

| Acc. Nr. | Protein entry     | Protein Name                                | $\log_2(L/H)$ | P-value | % sequence coverage |
|----------|-------------------|---------------------------------------------|---------------|---------|---------------------|
| O35604   | O35604 NPC1_MOUSE | Niemann-Pick C1 protein precursor - Mus mus | -0.06972      | 0.89775 | 8.8419              |
|          |                   | 1 FLPMFLSDNPNNPK                            |               |         |                     |
|          |                   | 2 LQEETLDQQLGR[162]                         |               |         |                     |
|          |                   | 3 LQEETLDQQLGR                              |               |         |                     |
|          |                   | 4 SNLQLPLQFLSR[162]                         |               |         |                     |
|          |                   | 5 SNLQLPLQFLSR                              |               |         |                     |
|          |                   | 6 YSGPPKPLPK                                |               |         |                     |
|          |                   | 7 FLPMFLSDNPNNPK[134]                       |               |         |                     |
|          |                   | 8 AWAWEK[134]EFISFVK[134]                   |               |         |                     |
|          |                   | 9 YSGPPK[134]PLPK[134]                      |               |         |                     |
|          |                   | 10 TSADYTDAMK[134]K[134]                    |               |         |                     |
|          |                   | 11 AWAWEKEFISFVK                            |               |         |                     |
|          |                   | 12 DVEAPSSNEK[134]                          |               |         |                     |
|          |                   | 13 LEKEYFDKHFGPFFR                          |               |         |                     |
|          |                   | 14 LEK[134]EYFDK[134]HFGPFFR[162]           |               |         |                     |
|          |                   | 15 TSADYTDAMKK                              |               |         |                     |
|          |                   | 16 TSADYTDAMK                               |               |         |                     |
|          |                   | 17 C[174]R[162]PLTPEGK[134]                 |               |         |                     |
|          |                   | 18 TSADYTDAMK[134]                          |               |         |                     |
|          |                   | 19 ALGLLC[174]GR[162]                       |               |         |                     |
|          |                   | 20 HFGPFFR                                  |               |         |                     |
|          |                   | 21 HFGPFFR[162]                             |               |         |                     |
| P06800   | P06800 CD45_MOUSE | Leukocyte common antigen precursor - Mus nr | 0.07623       | 0.88678 | 41.1309             |
|          |                   | 22 LFLAEFQSIPR                              |               |         |                     |
|          |                   | 23 LFLAEFQSIPR[162]                         |               |         |                     |
|          |                   | 24 NSNVVPYDFNR                              |               |         |                     |
|          |                   | 25 ATVIVMVTR[162]                           |               |         |                     |
|          |                   | 26 NSNVVPYDFNR[162]                         |               |         |                     |
|          |                   | 27 TVYQYQC[174]TTWKGEELPAEPK                |               |         |                     |
|          |                   | 28 NVINVQTDLGIPETPKPSC[174]GDPAAR           |               |         |                     |
|          |                   | 29 ADLKDVQNAK                               |               |         |                     |
|          |                   | 30 SSNLDEQQELVERDDEK                        |               |         |                     |

31 VELSEINGDAGSTYINASYIDGFK[134]EPR[162]  
32 ADLK[134]DVQNAK[134]  
33 DLVSMIQDLK  
34 DLVSMIQDLK[134]  
35 TFYILVVR[162]  
36 KYIAAQGPR  
37 YVDILPYDYNR[162]  
38 SSNLDEQQELVER[162]DDEK[134]  
39 EVTHIQFTSWPDHGVPEDPHLLK[134]  
40 C[174]PDYIIQK[134]  
41 YVDILPYDYNR  
42 K[134]YIAAQGPR[162]  
43 EVTHIQFTSWPDHGVPEDPHLLK  
44 ATVIVMVTR  
45 VFSK[134]FPIK[134]DAR[162]  
46 YIAAQGPR  
47 YIAAQGPR[162]  
48 VFSKFPIKDAR  
49 VDVYGYVVK[134]  
50 NTFIPER[162]  
51 TGTYIGIDAMLEGLEAEGK  
52 TGTYIGIDAMLEGLEAEGK[134]  
53 AFK[134]DIVVTINDHK[134]R[162]  
54 AFKDIVVTINDHK  
55 VNAFSNFFSGPIVVHC[174]SAGVGR  
56 AFK[134]DIVVTINDHK[134]  
57 TVYQYQC[174]TTWK[134]GEELPAEPK[134]  
58 TFYILVVR  
59 VPLKHELEMSK  
60 NVINVQTDLGIPETPK[134]PSC[174]GDPAAR[162]  
61 VELSEINGDAGSTYINASYIDGFKEPR  
62 QTYGDMEVEMK  
63 KYIAAQGPRDETVDDEFWR

64 YIAAQGPR[162]DETVDDFWR[162]  
65 C[174]AEYWPSMEEGTR[162]  
66 HASILVHC[174]R  
67 AFKDIVVTINDHKR  
68 QTYGDMEVEMK[134]  
69 VDVYGYVVK  
70 DETVDDFWR  
71 GEELPAEPK[134]  
72 FSLHDC[174]TPK  
73 ETIGDFWQMIFQR[162]  
74 QTYGDMEVEMK[134]DTNR[162]  
75 GEELPAEPKDLVSMIQDLK  
76 VNAFSNFFSGPIVVHC[174]SAGVGR[162]  
77 QLMDVEPIHSDILLETYK[134]R[162]  
78 QDANC[174]VR[162]PDGPLNK[134]  
79 QLMDVEPIHSDILLETYK  
80 NVINVQTDLGIPETPKPSC[174]GDPAARK  
81 SSNLDEQQELVER[162]  
82 HASILVHC[174]R[162]  
83 SSNLDEQQELVER  
84 VPLK[134]HELEMSK[134]  
85 TVYQYQC[174]TTWK[134]  
86 QTYGDMEVEMKDTNR  
87 FSLHDC[174]TPK[134]  
88 YIAAQGPRDETVDDFWR  
89 KYIAAQGPR[162]  
90 VFSK[134]FPIK[134]  
91 QDANC[174]VRPDGPLNK  
92 VFSKFPIK  
93 R[162]C[174]PDYIIQK[134]  
94 QLMDVEPIHSDILLETYKR  
95 RC[174]PDYIIQK  
96 GEELPAEPK

97 C[174]QLDNLR[162]  
 98 C[174]PDYIIQK  
 99 GEELPAEPK[134]DLVSMIQDLK[134]  
 100 RVNAFSNFFSGPIVVHC[174]SAGVGR  
 101 RRVNAFSNFFSGPIVVHC[174]SAGVGR  
 102 R[162]VNAFSNFFSGPIVVHC[174]SAGVGR[162]  
 103 QLMDVEPIHSDILLETYK[134]  
 104 C[174]AEYWPSMEEGTR  
 105 ETIGDFWQMIFQR  
 106 K[134]YIAAQGPR[162]DETVDDFWR[162]  
 107 TVYQYQC[174]TTWK  
 108 DETVDDFWR[162]  
 109 LVKNVINVTDLGIPETPKPSC[174]GDPAAR  
 110 DIVVTINDHKR  
 111 C[174]GNEDC[174]ENVLNNLEEC[174]SQIK[134]  
 112 C[174]GNEDC[174]ENVLNNLEEC[174]SQIK  
 113 KTLVSWPEPVSKPESASKPHGYVLC[174]YK  
 114 MIWEQK[134]  
 115 R[162]C[174]PDYIIQK  
 116 ASAYTLR[162]  
 117 VIVMLTELVNGDQEVK[174]AQYWGEK  
 118 VIVMLTELVNGDQEVK[174]AQYWGEK[134]  
 119 YINASFVMSYWK[134]PEMMIAAQGPLK[134]  
 120 TNSQDKIEFHNEVDGGKQDANC[174]VRPDGPLNK  
 121 DIVVTINDHK[134]R[162]  
 122 DIVVTINDHK[134]  
 123 NTFIPER  
 124 SMTASLPHSTK[134]  
 125 SMTASLPHSTK  
 126 ESTAKQEDISKLEER  
 127 LK[134]DWEHSQTLK[134]  
 128 VSAEVQSVKEEQAHVEQEVK

|        |                   |                                              |          |         |         |
|--------|-------------------|----------------------------------------------|----------|---------|---------|
| P30204 | P30204 MSRE_MOUSE | Macrophage scavenger receptor types I and II | -0.23024 | 0.67128 | 29.6943 |
|--------|-------------------|----------------------------------------------|----------|---------|---------|

|        |                     |                                                   |          |         |         |
|--------|---------------------|---------------------------------------------------|----------|---------|---------|
|        |                     | 129 VSAEVQSVKEEQAHVEQEVKQEV                       |          |         |         |
|        |                     | 130 VSAEVQSVK[134]EEQAHVEQEVK[134]                |          |         |         |
|        |                     | 131 LC[174]PHEREDADC[174]SSESVK                   |          |         |         |
|        |                     | 132 FTIIMAHMK                                     |          |         |         |
|        |                     | 133 FTIIMAHMK[134]                                |          |         |         |
|        |                     | 134 QQEDISKLEER                                   |          |         |         |
|        |                     | 135 FTIIMAHMK[134]DMEER[162]                      |          |         |         |
|        |                     | 136 IQSISNSK[134]ADLIDTGR[162]                    |          |         |         |
|        |                     | 137 LC[174]PHER[162]EDADC[174]SSESVK[134]         |          |         |         |
|        |                     | 138 VSAEVQSVK[134]                                |          |         |         |
|        |                     | 139 VSAEVQSVK                                     |          |         |         |
|        |                     | 140 QQEDISK[134]LEER[162]                         |          |         |         |
|        |                     | 141 LNDILLQLNSLILSVQEHGNSLDAISK                   |          |         |         |
|        |                     | 142 LNDILLQLNSLILSVQEHGNSLDAISK[134]              |          |         |         |
| Q8K314 | Q8K314 Q8K314_MOUSE | Atp2b1 protein (Fragment) - Mus musculus          | 0.25206  | 0.63782 | 11.488  |
|        |                     | 143 GIIDSTVSEQR[162]                              |          |         |         |
|        |                     | 144 TVIEPMASEGLR[162]                             |          |         |         |
|        |                     | 145 GIIDSTVSEQR                                   |          |         |         |
|        |                     | 146 TVIEPMASEGLR                                  |          |         |         |
|        |                     | 147 MTVVQAYINEK[134]                              |          |         |         |
|        |                     | 148 MTVVQAYINEK                                   |          |         |         |
|        |                     | 149 KVPEPEAIPPNILSYLVGTGISVNC[174]AYTSK           |          |         |         |
|        |                     | 150 TEC[174]ALLGFLDLKR                            |          |         |         |
|        |                     | 151 TEC[174]ALLGFLDLK[134]R[162]                  |          |         |         |
|        |                     | 152 HVGNKTEC[174]ALLGFLDLKR                       |          |         |         |
|        |                     | 153 K[134]VPEPEAIPPNILSYLVGTGISVNC[174]AYTSK[134] |          |         |         |
|        |                     | 154 HVGNK[134]TEC[174]ALLGFLDLK[134]R[162]        |          |         |         |
|        |                     | 155 TIC[174]LAFR[162]                             |          |         |         |
|        |                     | 156 DYQDVRNEIPEEALYK                              |          |         |         |
| Q8VDN2 | Q8VDN2 AT1A1_MOUSE  | Sodium/potassium-transporting ATPase subun        | -0.30048 | 0.57968 | 42.7175 |
|        |                     | 157 GVGIISEGNETVEDIAAR                            |          |         |         |
|        |                     | 158 GVGIISEGNETVEDIAAR[162]                       |          |         |         |
|        |                     | 159 MSINAEDVVVGDLVEVK                             |          |         |         |

160 QGAIVAVTGDGVNDSPALK  
161 QGAIVAVTGDGVNDSPALK[134]  
162 SPDFTNENPLETR  
163 SPDFTNENPLETR[162]  
164 VDNSSLTGESEPQTR[162]  
165 YHTEIVFAR[162]  
166 GGDRIPADLR  
167 YHTEIVFAR  
168 AVFQANQENLPILK[134]R[162]  
169 GGDR[162]IPADLR[162]  
170 AVAGDASESALLK  
171 LNIPVNQVNPR  
172 AVFQANQENLPILK[134]  
173 LNIPVNQVNPR[162]  
174 GIVVYTGDR[162]  
175 AVAGDASESALLK[134]  
176 IVEIPFNSTNK[134]  
177 IVEIPFNSTNK  
178 AVFQANQENLPILK  
179 GIVVYTGDR  
180 NMVPQQALVIR[162]  
181 QGAIVAVTGDGVNDSPALKK  
182 K[134]ADIGVAMGIVGSDVSK[134]  
183 AVFQANQENLPILKR  
184 MSINAEDVVVGDLVEVK[134]  
185 VDNSSLTGESEPQTR  
186 YGTDLSR  
187 YGTDLSR[162]  
188 K[134]YGTDLSR[162]  
189 NMVPQQALVIR  
190 KADIGVAMGIVGSDVSK  
191 HLLVMK  
192 HLLVMK[134]

193 ADIGVAMGIVGSDVSK  
194 ADIGVAMGIVGSDVSK[134]  
195 NLEAVETLGSTSTIC[174]SDK  
196 NLEAVETLGSTSTIC[174]SDK[134]  
197 TSATWFALSR[162]  
198 NLEAVETLGSTSTIC[174]SDKTGTLTQNR  
199 QGAIVAVTGDGVNDSPALK[134]K[134]  
200 YQLSIHKNPNASEPK  
201 TSATWFALSR  
202 YQLSIHK[134]NPNASEPK[134]  
203 DMTSEELDDILR[162]  
204 LSLDELHR[162]  
205 KYGTDLSR  
206 NIAFFSTNC[174]VEGTAR[162]  
207 QAADMILLDDNFASIVTGVEEGR[162]  
208 LSLDELHR[162]K[134]  
209 AC[174]VVHGSDLKDMTSEELDDILR  
210 AAVPDAVGK[134]  
211 LSLDELHRK  
212 NIAFFSTNC[174]VEGTAR  
213 EQPLDEELKDAFQNAYLELGGLGER  
214 QAADMILLDDNFASIVTGVEEGR  
215 EQPLDEELK[134]DAFQNAYLELGGLGER[162]  
216 DKYEPAAVSEHGDKK  
217 NPKTDKLVNER  
218 AC[174]VVHGSDLK[134]  
219 IISANGC[174]K[134]VDNSSLTGESEPQTR[162]  
220 AC[174]VVHGSDLK  
221 EVSMDDHK[134]LSLDELHR[162]  
222 AC[174]VVHGSDLK[134]DMTSEELDDILR[162]  
223 IISANGC[174]KVDNSSLTGESEPQTR  
224 IMESFK[134]NMVPQQALVIR[162]  
225 NSVFQQGMK[134]

|        |                     |                                                |          |         |         |
|--------|---------------------|------------------------------------------------|----------|---------|---------|
|        |                     | 226 MSINAEDVVVGDLVEVKGGDRIPADLR                |          |         |         |
|        |                     | 227 IVEIPFNSTNKYQLSIHKNPNASEPK                 |          |         |         |
|        |                     | 228 EVSMDDHKLSLDELHRK                          |          |         |         |
|        |                     | 229 MSINAEDVVVGDLVEVK[134]GGDR[162]IPADLR[162] |          |         |         |
|        |                     | 230 LSLDELHR                                   |          |         |         |
|        |                     | 231 QAADMILLDDNFASIVTGVEEGRILFDNLKK            |          |         |         |
|        |                     | 232 R[162]PGGWVEK[134]ETYY                     |          |         |         |
|        |                     | 233 GIVVYTGDR[162]TVMGR[162]                   |          |         |         |
| Q9R0K7 | Q9R0K7 AT2B2_MOUSE  | Plasma membrane calcium-transporting ATPase    | 0.39541  | 0.46023 | 7.8464  |
|        |                     | 234 QVVAVTGDGTNDGPALK                          |          |         |         |
|        |                     | 235 MVTGDNINTAR[162]                           |          |         |         |
|        |                     | 236 MVTGDNINTAR                                |          |         |         |
|        |                     | 237 QVVAVTGDGTNDGPALK[134]                     |          |         |         |
|        |                     | 238 IRNEKGEIEQER                               |          |         |         |
|        |                     | 239 KADVGFAMGIAGTDVAK                          |          |         |         |
|        |                     | 240 SSLYEGLEKPESR                              |          |         |         |
|        |                     | 241 QVVAVTGDGTNDGPALKK                         |          |         |         |
|        |                     | 242 VYTFNSVR                                   |          |         |         |
|        |                     | 243 VYTFNSVR[162]                              |          |         |         |
|        |                     | 244 LAVQIGK[134]                               |          |         |         |
|        |                     | 245 SSLYEGLEK[134]PESR[162]                    |          |         |         |
|        |                     | 246 RGQILWFR                                   |          |         |         |
|        |                     | 247 QVVAVTGDGTNDGPALK[134]K[134]               |          |         |         |
|        |                     | 248 IR[162]NEK[134]GEIEQER[162]                |          |         |         |
|        |                     | 249 R[162]GQILWFR[162]                         |          |         |         |
|        |                     | 250 K[134]ADVGFAMGIAGTDVAK[134]                |          |         |         |
|        |                     | 251 ADVGFAMGIAGTDVAK                           |          |         |         |
|        |                     | 252 ADVGFAMGIAGTDVAK[134]                      |          |         |         |
|        |                     | 253 VYTFNSVRK                                  |          |         |         |
|        |                     | 254 VYTFNSVR[162]K[134]                        |          |         |         |
|        |                     | 255 GQILWFR                                    |          |         |         |
|        |                     | 256 GQILWFR[162]                               |          |         |         |
| Q3TZN9 | Q3TZN9 Q3TZN9_MOUSE | 9.5 days embryo parthenogenote cDNA, RIKEN     | 10.54211 | 0.00000 | 34.9434 |



257 MVQQLGKGAAAALTETAK  
258 TDELIQQK  
259 SKHLGEELQR  
260 ILIIDEATANVDPR  
261 LKEYDEPYVLLQNPESLFYK  
262 SPVFSHLSSSLQGLWTIR  
263 LNTIIDSDKIMVLDSGR  
264 SSLLSAVLGELPPASGLVSVHGR  
265 SFADLIANLR  
266 MSIIPQEPVLFTGTMR  
267 ILTTEIGLHDLR  
268 HLGEELQR  
269 IAYVSQQPWVFSGTVR  
270 GAAAALTETAK  
271 TMNEVITGMR  
272 VVQPLFLGK  
273 TAAFTDAR  
274 SSLISALFR  
275 ALDSPTLQGLSFIARPGELLAVVGPVGAGK  
276 AIVHVQDFTAFWDK  
277 DLQLLEDGDLTVIGDR  
278 APVLFFDRNPIGR  
279 KMSIIPQEPVLFTGTMR  
280 IKNFLLLDELPQR  
281 HLTALIK  
282 RLEEDDMFSVLPEDR  
283 MDTELAESGSNFSVGQR  
284 ILGSSYLK  
285 SGVDFGSLLKK  
286 ENEEAEPSTAPGTPTLR  
287 IKNFLLLDELPQRK  
288 VIEYTDLEK  
289 ALEEVQLK

|        |                    |     |                                                |         |         |         |
|--------|--------------------|-----|------------------------------------------------|---------|---------|---------|
|        |                    | 290 | GTYTEFLK                                       |         |         |         |
|        |                    | 291 | SGVDFGSLLK                                     |         |         |         |
|        |                    | 292 | EAIEDLPGK                                      |         |         |         |
|        |                    | 293 | NFLLLDLPQR                                     |         |         |         |
|        |                    | 294 | IWIDKILTTEIGLHDLR                              |         |         |         |
|        |                    | 295 | NLDPFNEHTDEELWR                                |         |         |         |
|        |                    | 296 | SNILFGK                                        |         |         |         |
|        |                    | 297 | DGAPEGQDAENTQAVQPEESR                          |         |         |         |
| P08752 | P08752 GNAI2_MOUSE |     | Guanine nucleotide-binding protein G(i), alpha | 0.39582 | 0.45976 | 69.0141 |
|        |                    | 298 | IAQSDYIPTQQDVLR[162]                           |         |         |         |
|        |                    | 299 | IAQSDYIPTQQDVLR                                |         |         |         |
|        |                    | 300 | LLLLGAGESGK[134]                               |         |         |         |
|        |                    | 301 | LLLLGAGESGK                                    |         |         |         |
|        |                    | 302 | MFDVGGQR                                       |         |         |         |
|        |                    | 303 | EYQLNDSAAYYLNDLER                              |         |         |         |
|        |                    | 304 | TTGIVETHFTFK                                   |         |         |         |
|        |                    | 305 | NLR[162]EDGEK[134]AAR[162]                     |         |         |         |
|        |                    | 306 | AMGNLQIDFADPQR                                 |         |         |         |
|        |                    | 307 | AMGNLQIDFADPQR[162]                            |         |         |         |
|        |                    | 308 | AMGNLQIDFADPQR[162]ADDAR[162]                  |         |         |         |
|        |                    | 309 | EYQLNDSAAYYLNDLER[162]                         |         |         |         |
|        |                    | 310 | SREYQLNDSAAYYLNDLER                            |         |         |         |
|        |                    | 311 | SR[162]EYQLNDSAAYYLNDLER[162]                  |         |         |         |
|        |                    | 312 | NLREDGEKAAR                                    |         |         |         |
|        |                    | 313 | R[162]LWADHGVQAC[174]FGR[162]                  |         |         |         |
|        |                    | 314 | IIHEDGYSEEEC[174]RQYR                          |         |         |         |
|        |                    | 315 | IIHEDGYSEEEC[174]R[162]                        |         |         |         |
|        |                    | 316 | AMGNLQIDFADPQRADDAR                            |         |         |         |
|        |                    | 317 | EIYTHFTC[174]ATDTK[134]                        |         |         |         |
|        |                    | 318 | MFDVGGQR[162]                                  |         |         |         |
|        |                    | 319 | LWADHGVQAC[174]FGR[162]                        |         |         |         |
|        |                    | 320 | TTGIVETHFTFK[134]                              |         |         |         |
|        |                    | 321 | EIYTHFTC[174]ATDTK                             |         |         |         |

322 IIHEDGYSEEEC[174]R[162]QYR[162]  
323 TTGIVETHFTFKDLHFK  
324 DTKEIYTHFTC[174]ATDTK  
325 DTK[134]EIYTHFTC[174]ATDTK[134]  
326 ITQSSLTIC[174]FPEYTGANK  
327 ITQSSLTIC[174]FPEYTGANK[134]  
328 YDEAASYIQSK  
329 YDEAASYIQSK[134]  
330 RLWADHGVQAC[174]FGR  
331 LWADHGVQAC[174]FGR  
332 IIHEDGYSEEEC[174]R  
333 VK[134]TTGIVETHFTFK[134]  
334 FEDLNK[134]R[162]  
335 NVQFVFDAVTDVLIK[134]  
336 MIDKNLREDGEK  
337 TTGIVETHFTFK[134]DLHFK[134]  
338 MIDK[134]NLR[162]  
339 NNLKDC[174]GLF  
340 VKTTGIVETHFTFK  
341 FEDLNKR  
342 NNLK[134]DC[174]GLF  
343 KDTKEIYTHFTC[174]ATDTK  
344 ITQSSLTIC[174]FPEYTGANKYDEAASYIQSK  
345 VK[134]TTGIVETHFTFK[134]DLHFK[134]  
346 VKTTGIVETHFTFKDLHFK  
347 QLFALSC[174]AAEEQGMLPEDLSGVIRR  
348 K[134]DTK[134]EIYTHFTC[174]ATDTK[134]  
349 QLFALSC[174]AAEEQGMLPEDLSGVIR  
350 SK[134]MIDK[134]NLR[162]  
351 QLFALSC[174]AAEEQGMLPEDLSGVIR[162]  
352 EVK[134]LLLLGAGESGK[134]  
353 MFDVGGQRSER  
354 SKMIDKNLR

|        |                     |                                                                                      |         |         |         |
|--------|---------------------|--------------------------------------------------------------------------------------|---------|---------|---------|
| P18572 | P18572 BASI_MOUSE   | 355 ITQSSLTIC[174]FPEYTGANK[134]YDEAASYIQSK[134]<br>Basigin precursor - Mus musculus | 0.14932 | 0.78034 | 23.3933 |
|        |                     | 356 SEINVEGPPR[162]                                                                  |         |         |         |
|        |                     | 357 SEINVEGPPR                                                                       |         |         |         |
|        |                     | 358 YIVDADDR[162]SGEYSC[174]IFLPEPVGR[162]                                           |         |         |         |
|        |                     | 359 YIVDADDRSGEYSC[174]IFLPEPVGR                                                     |         |         |         |
|        |                     | 360 SDASYPPITDWFWFK                                                                  |         |         |         |
|        |                     | 361 VLQEDTLPDLHTK[134]                                                               |         |         |         |
|        |                     | 362 SDASYPPITDWFWFK[134]                                                             |         |         |         |
|        |                     | 363 VLQEDTLPDLHTK                                                                    |         |         |         |
|        |                     | 364 G GK[134]VLQEDTLPDLHTK[134]                                                      |         |         |         |
|        |                     | 365 YVVVSTPEK[134]                                                                   |         |         |         |
|        |                     | 366 SGEYSC[174]IFLPEPVGR                                                             |         |         |         |
|        |                     | 367 G GKVLQEDTLPDLHTK                                                                |         |         |         |
|        |                     | 368 YVVVSTPEK                                                                        |         |         |         |
|        |                     | 369 SGEYSC[174]IFLPEPVGR[162]                                                        |         |         |         |
|        |                     | 370 YIVDADDR[162]                                                                    |         |         |         |
|        |                     | 371 YIVDADDR                                                                         |         |         |         |
|        |                     | 372 R KPDQTLDEDDPGAAPLK                                                              |         |         |         |
| Q05CJ5 | Q05CJ5 Q05CJ5_MOUSE | Atp2b1 protein (Fragment) - Mus musculus                                             | 0.48115 | 0.36887 | 50.7987 |
|        |                     | 373 G GQVIQIPVADITVGDIQVK                                                            |         |         |         |
|        |                     | 374 G GQVIQIPVADITVGDIQVK[134]                                                       |         |         |         |
|        |                     | 375 YGDLLPADGILIQGNDLK                                                               |         |         |         |
|        |                     | 376 YGDLLPADGILIQGNDLK[134]                                                          |         |         |         |
|        |                     | 377 TSPNEGLSGNPADLER                                                                 |         |         |         |
|        |                     | 378 TSPNEGLSGNPADLER[162]                                                            |         |         |         |
|        |                     | 379 IDESSLTGESDHVKK                                                                  |         |         |         |
|        |                     | 380 SLDKDPLLSGTHVMEGSGR                                                              |         |         |         |
|        |                     | 381 SLDK[134]DPLLSTGTHVMEGSGR[162]                                                   |         |         |         |
|        |                     | 382 M VVTAVGVNSQTGIIFTLLGAGGEEEEKKDEK                                                |         |         |         |
|        |                     | 383 IDESSLTGESDHVK                                                                   |         |         |         |
|        |                     | 384 IDESSLTGESDHVK[134]                                                              |         |         |         |
|        |                     | 385 EANHGDGDFGITLTEL                                                                 |         |         |         |

|        |                     |                                                 |          |         |         |
|--------|---------------------|-------------------------------------------------|----------|---------|---------|
|        |                     | 386 IDESSLTGESDHVK[134]K[134]                   |          |         |         |
|        |                     | 387 IQESYGDVYGIC[174]TK[134]                    |          |         |         |
|        |                     | 388 NSLKEANHGDGDFGITLTELR                       |          |         |         |
|        |                     | 389 NSLK[134]EANHDGDFGITLTELR[162]              |          |         |         |
|        |                     | 390 LKTSPNEGLSGNPADLERR                         |          |         |         |
|        |                     | 391 EANHDGDFGITLTELR[162]                       |          |         |         |
|        |                     | 392 TSPNEGLSGNPADLERR                           |          |         |         |
|        |                     | 393 TSPNEGLSGNPADLER[162]R[162]                 |          |         |         |
|        |                     | 394 LKTSPNEGLSGNPADLER                          |          |         |         |
|        |                     | 395 LK[134]TSPNEGLSGNPADLER[162]                |          |         |         |
|        |                     | 396 IQESYGDVYGIC[174]TK                         |          |         |         |
| A2ALL9 | A2ALL9 A2ALL9_MOUSE | ATPase, Ca++ transporting, plasma membrane      | 0.20070  | 0.70779 | 3.7511  |
|        |                     | 397 EASDIILTDDNFTSIVK                           |          |         |         |
|        |                     | 398 EASDIILTDDNFTSIVK[134]                      |          |         |         |
|        |                     | 399 IEQEQK[134]FTVIR[162]                       |          |         |         |
|        |                     | 400 IEQEQKFTVIR                                 |          |         |         |
|        |                     | 401 ADVGFAMGIAGTDVAK[134]EASDIILTDDNFTSIVK[134] |          |         |         |
|        |                     | 402 ADVGFAMGIAGTDVAKEASDIILTDDNFTSIVK           |          |         |         |
| Q9WU81 | Q9WU81 SPX2_MOUSE   | Sugar phosphate exchanger 2 - Mus musculus      | -0.43607 | 0.42153 | 12.3752 |
|        |                     | 403 ESNVDIAASSSK[134]                           |          |         |         |
|        |                     | 404 EQGPEPEAISFLGALR[162]                       |          |         |         |
|        |                     | 405 ESNVDIAASSSK                                |          |         |         |
|        |                     | 406 EQGPEPEAISFLGALR                            |          |         |         |
|        |                     | 407 HHDDPEK[134]EQDNPEDPVNSPYSSR[162]           |          |         |         |
|        |                     | 408 SSLAPGVWFLR[162]                            |          |         |         |
|        |                     | 409 HHDDPEKEQDNPEDPVNSPYSSR                     |          |         |         |
|        |                     | 410 ESNVDIAASSSK[134]EQGPEPEAISFLGALR[162]      |          |         |         |
| Q32ME1 | Q32ME1 Q32ME1_MOUSE | ATPase, Ca++ transporting, plasma membrane      | 0.31350  | 0.55822 | 13.0081 |
|        |                     | 411 GIIDSTAGEQR[162]                            |          |         |         |
|        |                     | 412 GIIDSTAGEQR                                 |          |         |         |
|        |                     | 413 MVTGDNVNTAR[162]                            |          |         |         |
|        |                     | 414 MVTGDNVNTAR                                 |          |         |         |
|        |                     | 415 NVIEPMASEGLR                                |          |         |         |

|        |                   |                                    |          |         |         |
|--------|-------------------|------------------------------------|----------|---------|---------|
|        |                   | 416 TGTMTMNR[162]                  |          |         |         |
|        |                   | 417 NEKGEVEQEKLDK                  |          |         |         |
|        |                   | 418 NEK[134]GEVEQE[134]LDK[134]    |          |         |         |
|        |                   | 419 NGQLIQLPVAEIVVGDIAQIK          |          |         |         |
|        |                   | 420 NGQLIQLPVAEIVVGDIAQIK[134]     |          |         |         |
|        |                   | 421 TSPIEGLSGNPADLEK               |          |         |         |
|        |                   | 422 TSPIEGLSGNPADLEK[134]          |          |         |         |
|        |                   | 423 LKTSPIEGLSGNPADLEK             |          |         |         |
|        |                   | 424 TEC[174]GLLGFVTDLKQDYQAVR      |          |         |         |
|        |                   | 425 NVIEPMASEGLR[162]              |          |         |         |
|        |                   | 426 QVGNKTEC[174]GLLGFVTDLKQDYQAVR |          |         |         |
|        |                   | 427 TQDGVALEIQPLNSQEGLDSEDEK       |          |         |         |
|        |                   | 428 TEC[174]GLLGFVTDLK             |          |         |         |
| Q69ZN7 | Q69ZN7 MYOF_MOUSE | Myoferlin - Mus musculus           | -1.12128 | 0.03876 | 54.1504 |
|        |                   | 429 DLTQTASSTAR[162]               |          |         |         |
|        |                   | 430 VIVESATNIPK                    |          |         |         |
|        |                   | 431 ANVTVLDTQIR[162]               |          |         |         |
|        |                   | 432 VIVESATNIPK[134]               |          |         |         |
|        |                   | 433 ILHQHLGAPEER[162]              |          |         |         |
|        |                   | 434 VGETTIDLENR[162]               |          |         |         |
|        |                   | 435 IYPLDDPSVPAPPR[162]            |          |         |         |
|        |                   | 436 DLTQTASSTAR                    |          |         |         |
|        |                   | 437 LNSSETDITPK[134]               |          |         |         |
|        |                   | 438 GPSGTVSEAQLAR                  |          |         |         |
|        |                   | 439 GPSGTVSEAQLAR[162]             |          |         |         |
|        |                   | 440 IPANQLAEVWLK[134]              |          |         |         |
|        |                   | 441 TQGLVPEHVETR[162]              |          |         |         |
|        |                   | 442 LNSSETDITPK                    |          |         |         |
|        |                   | 443 TASLFEQR[162]                  |          |         |         |
|        |                   | 444 IPAQVLYSTSGGNASGK              |          |         |         |
|        |                   | 445 IPAQVLYSTSGGNASGK[134]         |          |         |         |
|        |                   | 446 VSMFVLGTGDEPPPEK[134]R[162]    |          |         |         |
|        |                   | 447 LIDEVIEDTR[162]YTLPVTEGK[134]  |          |         |         |

448 VFLPK[134]EELYMPPLVIK[134]  
449 IDVGfVYDEPGHAVMR[162]  
450 IPANQLAEVWLK  
451 DQLR[162]PTQLLQNVAR[162]  
452 TPNFPSSVLFMK[134]  
453 NDVVGTTYLYLSK[134]  
454 NLVDPFVEVSFAGK[134]  
455 TLHSTFQPNISQ GK[134]  
456 VSMFVLGTGDEPPPEKR  
457 LDAVNTLLVMAER[162]  
458 TQGLVPEHVETR  
459 ILHQHLGAPEER  
460 SITGEDMSDIYVK[134]  
461 IFVELNTFLEK[134]  
462 TLHSTFQPNISQ GK  
463 IYPLDDPSVPAPPR  
464 LEGALGADTTEDGEEKGPEK  
465 LIDEVIEDTR[162]  
466 WLLLNDPEDTSSGAK[134]  
467 LQMWVDVFPK[134]  
468 ISVYDYDTFTR[162]  
469 FYASSGEHEK[134]  
470 LQMWVDVFPK  
471 LEPISSDLLVVEK[134]  
472 MLSNK[134]PQDFQIR[162]  
473 ANVTVLDTQIR  
474 SLGPPGPPFNITPR  
475 WLLLNDPEDTSSGAK  
476 DQLRPTQLLQNVAR  
477 AEDIPQMDDAFSQT VK[134]  
478 NLVDPFVEVSFAGK  
479 VFLPKEELYMPPLVIK  
480 SLGPPGPPFNITPR[162]

481 C[174]SLDMIPDLK[134]  
482 FYASSGEHEK  
483 IFVELNTFLEK  
484 WGTSGLVGR[162]  
485 VGETTIDLENR  
486 ISVYDYDTFTR[162]DEK[134]  
487 LIDEVIEDTRYTLPVTEGK  
488 SITGEDMSDIYVK  
489 VYNHSLR[162]  
490 LEGALGADTTEDGEEK[134]GPEK[134]  
491 IYR[162]AEDIPQMDDAFSQTVK[134]  
492 EELYMPPLVIK[134]  
493 NK[134]DGSNLPILPSQR[162]  
494 NKDGSNLPILPSQR  
495 LQSNIEAVK[134]  
496 EVVIEIEDTK[134]PLLASK[134]  
497 K[134]LEPISSDLLVVEK[134]  
498 K[134]VDNELNPVWNEILEFDLR[162]  
499 LSEKEEIVDWWSK  
500 NANPEWNQVVNLQIK[134]  
501 NYQMASVTSPSLVVEC[174]GGER[162]  
502 QAEDTYTDANGDK[134]  
503 VNIWLGLSAVEK[134]  
504 AMEELEDREGWEYASLIGWK  
505 AMEELEDR[162]EGWEYASLIGWK[134]  
506 FGKPDPIVSVIFKDEK  
507 FK[134]GFPPPVLSHGSR[162]  
508 KVDNELNPVWNEILEFDLR  
509 SLLTEADAGHTEFTDEVYQENR[162]  
510 VEMTLEVLNER[162]EADER[162]PAGK[134]  
511 VIEDRDHYIPNTLNPVFGR  
512 VIEDR[162]DHYIPNTLNPVFGR[162]  
513 GKSDENEDPSVVGFEK



514 GK[134]SDENEDPSVVGEFK[134]  
515 NDVVGTTYLYLSK  
516 KLEPISSDLLVVEK  
517 FGSHC[174]GIPEQYC[174]VSGVNTWR[162]  
518 HSATTVFGANTPIVSC[174]NFDR[162]  
519 ELPDSVPQEC[174]TVR  
520 NLVDPFVEVSFAGK[134]K[134]  
521 LEPISSDLLVVEK  
522 SLDGEGNFNWR[162]  
523 FLSQIHEAALR  
524 MAPSETHGAAAIFK[134]  
525 FVFPFDYLPAEQLC[174]IVAK[134]  
526 VEMTLEVLNER[162]  
527 KPVVGQC[174]TIDHLDR  
528 EVVIEIEDTKPLLASK  
529 SLDGEGNFNWR  
530 IDVGfVYDEPGHAVMR  
531 ELPDSVPQEC[174]TVR[162]  
532 FDATC[174]K[134]PLASTTQYSR[162]  
533 MAPSETHGAAAIFK  
534 VNIWLGLSAVEK[134]K[134]  
535 DR[162]DNDSDDVESNLLLPGIALR[162]  
536 KKDLTQTASSTAR  
537 SR[162]FLSQIHEAALR[162]  
538 IYRAEDIPQMDDAFSQTvk  
539 VIIWNTK[134]DVILDEK[134]  
540 WGTSGLVGR  
541 LTK[134]NDVVGTTYLYLSK[134]  
542 C[174]SLDMIPDLK  
543 MYELSC[174]YLPQEK  
544 LIDEVIEDTR  
545 LSEK[134]EEEIVDWWSK[134]  
546 DRDNDSDDVESNLLLPGIALR

547 NLMALDK[134]DSFSDPYAHVSFLHR[162]  
548 SLLTEADAGHTEFTDEVYQENRYPGGEWK  
549 C[174]DPYAGKEDIVPQLK  
550 VIIWNTKDVILDEK  
551 NLMALDKDSFSDPYAHVSFLHR  
552 TKFGKPDPIVSVIFKDEK  
553 TPNFPSSVLFMK  
554 VYNHSLR  
555 R[162]MLSNK[134]PQDFQIR[162]  
556 HKFSDVTGK  
557 EIFGGNADK[134]K[134]  
558 FGK[134]PDPIVSVIFK[134]DEK[134]  
559 NLVDPFVEVSFAGKK  
560 TQTILLK[134]YPQEK[134]  
561 TQTILLK[134]  
562 HK[134]FSDVTGK[134]  
563 ISVYDYDTFTRDEK  
564 DFETIGQNK[134]  
565 ADC[174]LMGEFK  
566 VNIWLGLSAVEK  
567 NYQMASVTSPSLVVEC[174]GGER[162]VESVVIK[134]  
568 DGSNLPILPSQR[162]  
569 TQTILLKYPQEK  
570 C[174]DPYAGK[134]EDIVPQLK[134]  
571 ADC[174]LMGEFK[134]  
572 DGSNLPILPSQR  
573 GWISGSEENK[134]QK[134]  
574 QLC[174]GNNIR[162]PVVK[134]  
575 WVTFMLK  
576 DFETIGQNK  
577 YTLPVTEGK[134]  
578 EYTGFPDPYDELNSGKGEGVAYR  
579 TASLFEQR

|        |                   |                                               |         |         |         |
|--------|-------------------|-----------------------------------------------|---------|---------|---------|
|        |                   | 580 FLSQIHEAALR[162]                          |         |         |         |
|        |                   | 581 VYIYHLR[162]                              |         |         |         |
|        |                   | 582 LIGTATVSLKDLIGDQNR                        |         |         |         |
|        |                   | 583 K[134]K[134]DLTQTASSTAR[162]              |         |         |         |
|        |                   | 584 FKGFPPPVLSSEDSR                           |         |         |         |
|        |                   | 585 SLLTEADAGHTEFTDEVYQNENR[162]YPPGGEWK[134] |         |         |         |
|        |                   | 586 MYELSC[174]YLPQEK[134]                    |         |         |         |
|        |                   | 587 SDENEDPSVVGEFK[134]                       |         |         |         |
|        |                   | 588 EYTGFPDPYDELNSGK[134]GEGVAYR[162]         |         |         |         |
|        |                   | 589 LQSNIEAVK                                 |         |         |         |
| P62737 | P62737 ACTA_MOUSE | Actin, aortic smooth muscle - Mus musculus    | 0.23769 | 0.65710 | 20.1592 |
|        |                   | 590 AGFAGDDAPR[162]                           |         |         |         |
|        |                   | 591 EITALAPSTMK                               |         |         |         |
|        |                   | 592 YPIEHGIITNWDDMEK[134]                     |         |         |         |
|        |                   | 593 YPIEHGIITNWDDMEK                          |         |         |         |
|        |                   | 594 SYELPDGQVITIGNER                          |         |         |         |
|        |                   | 595 HQGVMVGMGQK[134]DSYVGDEAQSKR[162]         |         |         |         |
| P10852 | P10852 4F2_MOUSE  | 4F2 cell-surface antigen heavy chain - Mus mu | 0.31361 | 0.55808 | 41.0646 |
|        |                   | 596 LGASNLPAGISLPASAK                         |         |         |         |
|        |                   | 597 LGASNLPAGISLPASAK[134]                    |         |         |         |
|        |                   | 598 LLLSTDSAR                                 |         |         |         |
|        |                   | 599 SHLEYLSTLK[134]                           |         |         |         |
|        |                   | 600 YLVVLNFR                                  |         |         |         |
|        |                   | 601 IGDQLQAFVGR[162]                          |         |         |         |
|        |                   | 602 IGDQLQAFVGR                               |         |         |         |
|        |                   | 603 VAEDETEAGVK                               |         |         |         |
|        |                   | 604 LLLSTDSAR[162]                            |         |         |         |
|        |                   | 605 GLVLGPIHK                                 |         |         |         |
|        |                   | 606 VAEDETEAGVK[134]                          |         |         |         |
|        |                   | 607 GQNEDPGSLLTQFR[162]                       |         |         |         |
|        |                   | 608 YLVVLNFR[162]                             |         |         |         |
|        |                   | 609 GQNEDPGSLLTQFR                            |         |         |         |
|        |                   | 610 SHLEYLSTLK                                |         |         |         |

611 SLLHGDFHALSSSPDLFSYIR[162]  
 612 NQKDEINETDLK  
 613 QINPTLGSQEDFK[134]DLLQSAK[134]  
 614 QINPTLGSQEDFKDLLQSAK  
 615 DAGGIAGLKSHLEYLSTLK  
 616 GQNEDPGSLLTQFR[162]R[162]  
 617 EALSSWLQDGVDFQFR[162]  
 618 IK[134]VAEDETEAGVK[134]  
 619 IKVAEDETEAGVK  
 620 MK[134]EALSSWLQDGVDFQFR[162]  
 621 NQK[134]DEINETDLK[134]  
 622 GLVLGPIHK[134]  
 623 GQNEDPGSLLTQFRR  
 624 FTGLSK[134]EELLK[134]  
 625 MKEALSSWLQDGVDFQFR  
 626 QSREEDTSLKLENLSLNPYEGLLLQFPFVA  
 627 SLLHGDFHALSSSPDLFSYIR  
 628 DAGGIAGLKSHLEYLSTLKVK  
 629 DAGGIAGLK[134]  
 630 DAGGIAGLK[134]SHLEYLSTLK[134]  
 631 DAGGIAGLK  
 632 VKGLVLGPIHK  
 633 GLVLGPIHKNQKDEINETDLK  
 634 IGDQLQAFVGR[162]DAGGIAGLK[134]  
 635 FTGLSKEELLK  
 636 VAEDETEAGVKFTGLSKEELLK  
 637 QINPTLGSQEDFKDLLQSAKK

|        |                    |                                               |          |         |        |
|--------|--------------------|-----------------------------------------------|----------|---------|--------|
| Q9Z1W8 | Q9Z1W8 AT12A_MOUSE | Potassium-transporting ATPase alpha chain 2 - | -0.17955 | 0.74068 | 3.3816 |
|        |                    | 638 VIMVTGDHPITAK                             |          |         |        |
|        |                    | 639 VIMVTGDHPITAK[134]                        |          |         |        |
|        |                    | 640 LIIVEGC[174]QR[162]                       |          |         |        |
|        |                    | 641 LIIVEGC[174]QR                            |          |         |        |
|        |                    | 642 LIFDNLKK                                  |          |         |        |

|        |                   |                                               |         |         |         |
|--------|-------------------|-----------------------------------------------|---------|---------|---------|
|        |                   | 643 LIFDNLK[134]K[134]                        |         |         |         |
|        |                   | 644 SAGIK[134]VIMVTGDHPITAK[134]              |         |         |         |
|        |                   | 645 SAGIKVIMVTGDHPITAK                        |         |         |         |
| P06795 | P06795 MDR1_MOUSE | Multidrug resistance protein 1 - Mus musculus | 0.21949 | 0.68186 | 32.2884 |
|        |                   | 646 AGAVAEVLAAIR                              |         |         |         |
|        |                   | 647 IATEAIENFR[162]                           |         |         |         |
|        |                   | 648 LYDPLEGVVSIDGQDIR                         |         |         |         |
|        |                   | 649 LYDPLEGVVSIDGQDIR[162]                    |         |         |         |
|        |                   | 650 SGQTVALVGNSGC[174]GK                      |         |         |         |
|        |                   | 651 EIIGVVSQEPVLFATTIAENIR                    |         |         |         |
|        |                   | 652 EIIGVVSQEPVLFATTIAENIR[162]               |         |         |         |
|        |                   | 653 IIDNEPSIDSFSTK                            |         |         |         |
|        |                   | 654 AGAVAEVLAAIR[162]                         |         |         |         |
|        |                   | 655 IIDNEPSIDSFSTK[134]                       |         |         |         |
|        |                   | 656 LPHQFDTLVGER[162]                         |         |         |         |
|        |                   | 657 TVIAFGGQK[134]                            |         |         |         |
|        |                   | 658 STVVQLLER[162]                            |         |         |         |
|        |                   | 659 AVSHEEIVR[162]                            |         |         |         |
|        |                   | 660 STTVQLMQR                                 |         |         |         |
|        |                   | 661 IATEAIENFR                                |         |         |         |
|        |                   | 662 TVIAFGGQK                                 |         |         |         |
|        |                   | 663 STVVQLLER                                 |         |         |         |
|        |                   | 664 GAAFEIFK                                  |         |         |         |
|        |                   | 665 EANAYDFIMK                                |         |         |         |
|        |                   | 666 SGQTVALVGNSGC[174]GK[134]                 |         |         |         |
|        |                   | 667 FYDPMAGSVFLDGK[134]                       |         |         |         |
|        |                   | 668 GAAFEIFK[134]                             |         |         |         |
|        |                   | 669 LPHQFDTLVGER                              |         |         |         |
|        |                   | 670 ILLDEATSALDTESEAVVQAALDK                  |         |         |         |
|        |                   | 671 EANIHQFIDSLPKYNTR                         |         |         |         |
|        |                   | 672 VKEHGTHQQLLAQK                            |         |         |         |
|        |                   | 673 NVHFNYPSPR[162]                           |         |         |         |
|        |                   | 674 NVHFNYPSPR                                |         |         |         |

675 AHLGIVSQEPILFDC[174]SIAENIAYGDNSR  
 676 ILLDEATSALDTESEAVVQAALDKAR  
 677 ILLDEATSALDTESEAVVQAALDK[134]  
 678 QPHILLDEATSALDTESEK  
 679 EAVDEDVPLVSFWR[162]  
 680 VK[134]EHGTHQQLAQK[134]  
 681 KGQTLALVGSSGC[174]GK  
 682 K[134]GQTLALVGSSGC[174]GK[134]  
 683 EANIHQFIDSLPDK[134]YNTR[162]  
 684 FNGVQFNYPTR[162]PNIPVLQGLSLEVK[134]  
 685 TPEIDSYSTEGLK[134]PTLLEGNVK[134]  
 686 FYDPMAGSVFLDGK  
 687 GYK[134]PDSIMGNLEFK[134]  
 688 EHGTHQQLAQK[134]  
 689 STTVQLMQR[162]  
 690 GIYFSMVQAGAK[134]  
 691 VSASHIIR  
 692 EANAYDFIMK[134]  
 693 AVSHEEIVR  
 694 GAAFEIFK[134]IIDNEPSIDSFSTK[134]  
 695 YLREIIGVVSQEPVLFATTIAENIR  
 696 YLR[162]EIIIGVVSQEPVLFATTIAENIR[162]  
 697 GAAFEIFKIIDNEPSIDSFSTK  
 698 IIEKTPEIDSYSTEGLKPTLLEGNVK  
 699 NVHFNYPSTR[162]SEVQILK[134]

|        |                   |                                     |         |         |         |
|--------|-------------------|-------------------------------------|---------|---------|---------|
| P09528 | P09528 FRIH_MOUSE | Ferritin heavy chain - Mus musculus | 0.15673 | 0.76974 | 46.1538 |
|        |                   | 700 QNYHQDAEAAINR[162]              |         |         |         |
|        |                   | 701 QNYHQDAEAAINR                   |         |         |         |
|        |                   | 702 IFLQDIK[134]                    |         |         |         |
|        |                   | 703 SIKELGDHVTNLR                   |         |         |         |
|        |                   | 704 SIK[134]ELGDHVTNLR[162]         |         |         |         |
|        |                   | 705 SVNQSLELHK[134]                 |         |         |         |
|        |                   | 706 ELGDHVTNLR[162]                 |         |         |         |

707 SVNQSLLELHK  
 708 MGAPEAGMAEYLFDK[134]HTLGHGDES  
 709 YFLHQSHEEREHAEK  
 710 YFLHQSHEER[162]EHA EK[134]  
 711 K[134]MGAPEAGMAEYLFDK[134]HTLGHGDES  
 712 SIKELGDHVTNLRK  
 713 MGAPEAGMAEYLFDKHTLGHGDES  
 714 YFLHQSHEER[162]  
 715 MGAPEAGMAEYLFDK  
 716 MGAPEAGMAEYLFDK[134]  
 717 YFLHQSHEER  
 718 SIK[134]ELGDHVTNLR[162]K[134]  
 719 IFLQDIK

|        |                    |                                       |          |         |         |
|--------|--------------------|---------------------------------------|----------|---------|---------|
| P29391 | P29391 FRIL1_MOUSE | Ferritin light chain 1 - Mus musculus | -0.19779 | 0.71543 | 57.9235 |
|--------|--------------------|---------------------------------------|----------|---------|---------|

720 NLNQALLDLHALGSAR  
 721 NLNQALLDLHALGSAR[162]  
 722 QNYSTEVEAAVNR[162]  
 723 VAGPQPAQTGAPQGSLGEYLFER  
 724 VAGPQPAQTGAPQGSLGEYLFER[162]  
 725 LLEFQNDR[162]  
 726 LLEFQNDR  
 727 QNYSTEVEAAVNR  
 728 LVNLHLR  
 729 TQEAMEAALAMEK[134]  
 730 RVAGPQPAQTGAPQGSLGEYLFER  
 731 R[162]VAGPQPAQTGAPQGSLGEYLFER[162]  
 732 ALFQDVQKPSQDEWGKTQEAMEAALAMEK  
 733 TQEAMEAALAMEK  
 734 ALFQDVQKPSQDEWGK  
 735 ALFQDVQK[134]PSQDEWGK[134]  
 736 MGNHLTNLR[162]R[162]  
 737 MGNHLTNLR[162]  
 738 MGNHLTNLR

|        |                   |                                               |         |         |         |
|--------|-------------------|-----------------------------------------------|---------|---------|---------|
| P51912 | P51912 AAAT_MOUSE | 739 MGNHLTNLRR                                | 0.48145 | 0.36857 | 18.8065 |
|        |                   | Neutral amino acid transporter B(0) - Mus mus |         |         |         |
|        |                   | 740 NEVSLNPLPLATEEGNPLLK[134]                 |         |         |         |
|        |                   | 741 MPSSEPELIQVK[134]                         |         |         |         |
|        |                   | 742 MPSSEPELIQVK                              |         |         |         |
|        |                   | 743 NEVSLNPLPLATEEGNPLLK                      |         |         |         |
|        |                   | 744 NIFPSNLVSAAFR[162]                        |         |         |         |
|        |                   | 745 SFATSYEPK                                 |         |         |         |
|        |                   | 746 NIFPSNLVSAAFR                             |         |         |         |
|        |                   | 747 SFATSYEPK[134]                            |         |         |         |
|        |                   | 748 SC[174]TVLNVEGDAFGAGLLQSYVDR[162]         |         |         |         |
|        |                   | 749 QYQGPTGDSSATFEK                           |         |         |         |
|        |                   | 750 QYQGPTGDSSATFEK[134]                      |         |         |         |
|        |                   | 751 QYQGPTGDSSATFEKESVM                       |         |         |         |
|        |                   | 752 QYQGPTGDSSATFEK[134]ESVM                  |         |         |         |
|        |                   | 753 IPQSC[174]IQR[162]                        |         |         |         |
|        |                   | 754 IPQSC[174]IQR                             |         |         |         |
| P62991 | P62991 UBIQ_MOUSE | Ubiquitin - Mus musculus                      | 0.57917 | 0.27941 | 72.3684 |
|        |                   | 755 IQDK[134]EGIPPDQQR[162]                   |         |         |         |
|        |                   | 756 ESTLHLVLR[162]                            |         |         |         |
|        |                   | 757 TLSDYNIQK[134]                            |         |         |         |
|        |                   | 758 IQDKEGIPPDQQR                             |         |         |         |
|        |                   | 759 TITLEVEPSDTIENVK                          |         |         |         |
|        |                   | 760 TLSDYNIQK                                 |         |         |         |
|        |                   | 761 TITLEVEPSDTIENVK[134]                     |         |         |         |
|        |                   | 762 ESTLHLVLR                                 |         |         |         |
|        |                   | 763 TITLEVEPSDTIENVKAK                        |         |         |         |
| P84096 | P84096 RHOG_MOUSE | 764 MQIFVK[134]                               | 0.11217 | 0.83406 | 46.0733 |
|        |                   | Rho-related GTP-binding protein RhoG precurs  |         |         |         |
|        |                   | 765 EYIPTVFDNYSQAQSAVDGR                      |         |         |         |
|        |                   | 766 EYIPTVFDNYSQAQSAVDGR[162]                 |         |         |         |
|        |                   | 767 LKEQGQAPITPQQGQALAK                       |         |         |         |
|        |                   | 768 LK[134]EQGQAPITPQQGQALAK[134]             |         |         |         |



|        |                     |                                                 |         |         |         |
|--------|---------------------|-------------------------------------------------|---------|---------|---------|
|        |                     | 769 AVLNPTPIK[134]R[162]                        |         |         |         |
|        |                     | 770 YLEC[174]SALQQDGVK[134]EVFAEAVR[162]        |         |         |         |
|        |                     | 771 EQGQAPITPQQGQALAK[134]                      |         |         |         |
|        |                     | 772 TVNLNLWDTAGQEEYDRLR                         |         |         |         |
|        |                     | 773 TVNLNLWDTAGQEEYDR[162]LR[162]               |         |         |         |
|        |                     | 774 YLEC[174]SALQQDGVKEVFAEAVR                  |         |         |         |
|        |                     | 775 YLEC[174]SALQQDGVK[134]                     |         |         |         |
|        |                     | 776 EQGQAPITPQQGQALAK                           |         |         |         |
|        |                     | 777 AVLNPTPIKR                                  |         |         |         |
| Q3TXK7 | Q3TXK7 Q3TXK7_MOUSE | Osteoclast-like cell cDNA, RIKEN full-length en | 0.28568 | 0.59366 | 4.507   |
|        |                     | 778 AVVYSNTIQSIMAIVK                            |         |         |         |
|        |                     | 779 AVVYSNTIQSIMAIVK[134]                       |         |         |         |
| Q3UFR4 | Q3UFR4 Q3UFR4_MOUSE | B16 F10Y cells cDNA, RIKEN full-length enriche  | 0.55007 | 0.30427 | 2.8829  |
|        |                     | 780 SAPTK[134]EVLDSFLDLVR[162]                  |         |         |         |
|        |                     | 781 SAPTKEVLDSFLDLVR                            |         |         |         |
|        |                     | 782 EVLDSFLDLVR                                 |         |         |         |
|        |                     | 783 EVLDSFLDLVR[162]                            |         |         |         |
| Q62351 | Q62351 TFR1_MOUSE   | Transferrin receptor protein 1 - Mus musculus   | 0.60703 | 0.25692 | 50.4587 |
|        |                     | 784 LAQVFSDMISK                                 |         |         |         |
|        |                     | 785 SAFSNLFGGEPLSYTR                            |         |         |         |
|        |                     | 786 SAFSNLFGGEPLSYTR[162]                       |         |         |         |
|        |                     | 787 QLSQNTYTPR                                  |         |         |         |
|        |                     | 788 QLSQNTYTPR[162]                             |         |         |         |
|        |                     | 789 SSVGTGLLLK[134]                             |         |         |         |
|        |                     | 790 DALGAGVAAK                                  |         |         |         |
|        |                     | 791 SSVGTGLLLK                                  |         |         |         |
|        |                     | 792 LNSIEFADTIK                                 |         |         |         |
|        |                     | 793 ILNIFGVIK[134]                              |         |         |         |
|        |                     | 794 ILNIFGVIK                                   |         |         |         |
|        |                     | 795 LAADEEENADNNMK                              |         |         |         |
|        |                     | 796 LAADEEENADNNMK[134]                         |         |         |         |
|        |                     | 797 LAETEETDKSETMETEDVPTSSR                     |         |         |         |
|        |                     | 798 VSASPLLYTLMGK[134]                          |         |         |         |

799 LAQVFSDMISK[134]  
800 TLLSEKLSIEFADTIK  
801 LTTDFHNAEK  
802 LVHANFGTK  
803 LDYEALTQK[134]  
804 LTTDFHNAEK[134]  
805 VPQLNQMVVR[162]  
806 VPQLNQMVVR  
807 LNSIEFADTIK[134]  
808 LVHANFGTK[134]  
809 QVDGDNShVEMK  
810 VSASPLYTLMGK  
811 LDYEALTQK  
812 RILNIFGVIK  
813 TAAEVAGQLIK[134]  
814 LELSQQNVK  
815 VANAQSFNAIGVLIYMDK  
816 EAGSQKDESLAYYIENQFHEFK  
817 HIFWGSHTLSALVENLK  
818 IMKVEYHFLSPYVSPR  
819 VEYHFLSPYVSPR[162]  
820 VEYHFLSPYVSPR  
821 TLLSEK[134]LNSIEFADTIK[134]  
822 IMQDVK[134]HPVDGK[134]  
823 LELSQQNVK[134]  
824 GYEEDRYVVVGAQR  
825 LLSFMKDLNQFK  
826 R[162]ILNIFGVIK[134]  
827 AGEITFAEK[134]  
828 IMQDVKHPVDGK  
829 AGEITFAEK  
830 QVDGDNShVEMK[134]  
831 GYEEDR[162]YVVVGAQR[162]

832 DALGAGVAAK[134]  
 833 VVLGTSNFK[134]  
 834 AFTYINLDKVVVLGTSNFK  
 835 VANAQSFNAIGVLIYMDK[134]  
 836 HIFWGS GSHTLSALVENLK[134]  
 837 LDTYEALTQK[134]VPQLNQMVVR[162]  
 838 LTHDVELNLDYEMYNSK  
 839 ILNIFGVIKGYEEPDRYVVVGAQR  
 840 LVHANFGTK[134]K[134]  
 841 WNIDSSC[174]KLELSQNQNVK  
 842 IMK[134]VEYHFLSPYVSPR[162]  
 843 LTTDFHNAEKTNR  
 844 LDTYEALTQKVPQLNQMVVR  
 845 AFTYINLDK[134]VVLGTSNFK[134]  
 846 TAAEVAGQLIK  
 847 TLLSEKLNSIEFADTIKQLSQNTYTPR  
 848 LAETEETDK[134]SETMETEDVPTSSR[162]  
 849 VWR[162]DEHYVK[134]  
 850 VWRDEHYVK  
 851 LVHANFGTKK

|        |                    |                                               |         |         |         |
|--------|--------------------|-----------------------------------------------|---------|---------|---------|
| Q8BZN6 | Q8BZN6 DOC10_MOUSE | Dedicator of cytokinesis protein 10 - Mus mus | 0.26600 | 0.61935 | 27.7674 |
|--------|--------------------|-----------------------------------------------|---------|---------|---------|

852 ILQISPEGPLQGR[162]  
 853 LNLFSLDPDIDTLK[134]  
 854 LNLFSLDPDIDTLK  
 855 LTGLSEISQR[162]  
 856 SANIPDPLTPSESIR[162]  
 857 SANIPDPLTPSESIR  
 858 LLDPLDYETVIEELEK  
 859 LLDPLDYETVIEELEK[134]  
 860 ASLASLDSNPSTTEK[134]  
 861 AVSQLIADAGIGGSR[162]  
 862 FVFETPFTLSGK  
 863 EALETSGYAWLPLMK

864 LTGLSEISQR  
865 LIKEDQLEYQEELR  
866 ILVQNEEDEITATVTR  
867 ILVQNEEDEITATVTR[162]  
868 IQVISQSSTELNPIEVAIDEMSR  
869 IQVISQSSTELNPIEVAIDEMSR[162]  
870 SERYELIADVKNKPIIAVFEK  
871 K[134]TDFEMHHNINR[162]  
872 EALETSGYAWLPLMK[134]  
873 ILQISPEGPLQGR  
874 DSFENELMIK[134]PFEEK[134]  
875 GNFNSTVNNTVTVR[162]  
876 VSTFVVSTVNTQDPHVNAFFR  
877 HDQIASQEYNIPIATTLPPNYLSIQDPTSAR[134]  
878 ASLASLDSNPSTTEK  
879 ISADFHVDLNHPAVR[162]  
880 VSTFVVSTVNTQDPHVNAFFR[162]  
881 MPFAWAVR[162]  
882 FVFETPFTLSGK[134]  
883 YFQLTQLPDNSYIMNFYKDEK  
884 VNAGPMAYAR[162]  
885 AVSqliADAGIGGSR  
886 VLMGNIGSGAEPYIK[134]NPDSNK[134]  
887 GNFNSTVNNTVTVR  
888 DSFENELMIKPFEEK  
889 AFLEETNAK[134]  
890 VAEVVNSEKR  
891 GGGGAGGTGVFK  
892 LIK[134]EDQLEYQEELR[162]  
893 IIQDSNK[134]VNPK[134]  
894 DVLNSIAAFSSIAISTVNHADSR[162]  
895 VLMGNIGSGAEPYIKNPDSNK  
896 IIQDSNKVNPK

897 NSNFPAEVK[134]  
898 AFLEETNAK  
899 LYADK[134]FGADNVK[134]  
900 TVLTTSHLFPYVK  
901 TVLTTSHLFPYVK[134]  
902 TISDETLIAYWQR[162]  
903 SER[162]YELIADVKN[134]PIIAVFEK[134]  
904 FVQSTQNNGTLK[134]  
905 QLQQSDC[174]QNSLMK[134]  
906 MPFAWAVR  
907 VAEVVNSEK[134]R[162]  
908 HATSVDTSFSK  
909 KTDFFEMHHNINR  
910 FVFETPFTLSGKK  
911 YEQYSGDIR[162]  
912 HATSVDTSFSK[134]  
913 ELHASDMPEYSVTNEFC[174]R  
914 YEQYSGDIR  
915 VNAGPMAYAR  
916 ELHASDMPEYSVTNEFC[174]R[162]  
917 FVFETPFTLSGK[134]K[134]  
918 VLMGNIGSGAEPYIK  
919 SVFKDNQGNVDRDSR  
920 LSDLYYDIHR[162]  
921 IYKDLYPFTVNTSNQGSR  
922 YLTETEDTVK[134]  
923 YLTETEDTVK

|        |                                         |         |         |         |
|--------|-----------------------------------------|---------|---------|---------|
| Q99MR3 | Q99MR3 Q99MR3_MOUSE CIP1 - Mus musculus | 0.58187 | 0.27716 | 13.2385 |
|--------|-----------------------------------------|---------|---------|---------|

924 ALSPQDYVATVADALK  
925 DLGPTLLIHGVTPTVC[174]TDL  
926 ALSPQDYVATVADALK[134]  
927 GTVGGPGGPEGR[162]  
928 ILHALAQDDLFGVILAPAK

|        |                     |     |                                               |          |         |        |
|--------|---------------------|-----|-----------------------------------------------|----------|---------|--------|
|        |                     | 929 | DGEEGPTTALTFLYLPRPPADPAR                      |          |         |        |
|        |                     | 930 | YLALLETLR                                     |          |         |        |
|        |                     | 931 | YLALLETLR[162]                                |          |         |        |
|        |                     | 932 | GTVGPGGGPEGR                                  |          |         |        |
|        |                     | 933 | EGGSPALSTLFPPPRAPGSPR                         |          |         |        |
|        |                     | 934 | EGGSPALSTLFPPPR[162]APGSPR[162]               |          |         |        |
| Q99P72 | Q99P72 RTN4_MOUSE   |     | Reticulon-4 - Mus musculus                    | -0.06453 | 0.90532 | 19.105 |
|        |                     | 935 | YSNSALGHVNSTIK[134]                           |          |         |        |
|        |                     | 936 | K[134]PAAGLSAAPVPPAAAPLLDFSSDSVPPAPR[162]     |          |         |        |
|        |                     | 937 | GPLPAAPPTAPER[162]                            |          |         |        |
|        |                     | 938 | AYLESEVAISEELVQK[134]                         |          |         |        |
|        |                     | 939 | KPAAGLSAAPVPPAAAPLLDFSSDSVPPAPR               |          |         |        |
|        |                     | 940 | TSNPFLVAIHDSEADYVTTDNLSK                      |          |         |        |
|        |                     | 941 | VPLLLPNVSALESQIEMGNIVKPK                      |          |         |        |
|        |                     | 942 | TSVVDLLYWR[162]                               |          |         |        |
|        |                     | 943 | TSVVDLLYWR                                    |          |         |        |
|        |                     | 944 | VPLLLPNVSALESQIEMGNIVK[134]PK[134]            |          |         |        |
|        |                     | 945 | LSASPQEVGKPYLESFQPNLHITK                      |          |         |        |
|        |                     | 946 | YSNSALGHVNSTIK                                |          |         |        |
|        |                     | 947 | LSTEPSPEFSNYSEIAK                             |          |         |        |
|        |                     | 948 | HQAQIDHYLGLANK[134]                           |          |         |        |
|        |                     | 949 | HQAQIDHYLGLANK                                |          |         |        |
|        |                     | 950 | GPLPAAPPTAPER                                 |          |         |        |
|        |                     | 951 | SPAASAPSLPPAAAVLPSK[134]                      |          |         |        |
|        |                     | 952 | AYLESEVAISEELVQK                              |          |         |        |
|        |                     | 953 | IQAK[134]IPGLK[134]R[162]                     |          |         |        |
|        |                     | 954 | IQAKIPGLKR                                    |          |         |        |
|        |                     | 955 | GPLPAAPPTAPERQPSWER                           |          |         |        |
|        |                     | 956 | GPLPAAPPTAPER[162]QPSWER[162]                 |          |         |        |
|        |                     | 957 | SPAASAPSLPPAAAVLPSK                           |          |         |        |
| Q3U382 | Q3U382 Q3U382_MOUSE |     | NOD-derived CD11c +ve dendritic cells cDNA, l | 0.37422  | 0.48462 | 1.5044 |
|        |                     | 958 | KRDPPSDPSPLEAEYQR                             |          |         |        |
|        |                     | 959 | K[134]R[162]DPPSDPSPLEAEYQR[162]              |          |         |        |

|        |                     |                                           |          |         |         |
|--------|---------------------|-------------------------------------------|----------|---------|---------|
| A1E2H6 | A1E2H6 A1E2H6_MOUSE | Lymphocyte common antigen (Fragment) - M  | 0.13069  | 0.80717 | 11.4286 |
|        |                     | 960 DPPSDPSPLEAEYQR[162]                  |          |         |         |
|        |                     | 961 DPPSDPSPLEAEYQR                       |          |         |         |
|        |                     | 962 RDPPSDPSPLEAEYQR                      |          |         |         |
|        |                     | 963 R[162]DPPSDPSPLEAEYQR[162]            |          |         |         |
| Q99P91 | Q99P91 GPNMB_MOUSE  | Transmembrane glycoprotein NMB precursor  | -0.10864 | 0.84129 | 27.0035 |
|        |                     | 964 VKDYYVITDQIPVFVTMSQK                  |          |         |         |
|        |                     | 965 GLSVLLSHAK                            |          |         |         |
|        |                     | 966 GLSVLLSHAK[134]                       |          |         |         |
|        |                     | 967 DVYVITDQIPVFVTMSQK[134]               |          |         |         |
|        |                     | 968 APFFRGDQEKDPLLQDKPR                   |          |         |         |
|        |                     | 969 SMELSDISNENC[174]R                    |          |         |         |
|        |                     | 970 VK[134]DVYVITDQIPVFVTMSQK[134]        |          |         |         |
|        |                     | 971 DVLGHEQYPNHMR                         |          |         |         |
|        |                     | 972 DVYVITDQIPVFVTMSQK                    |          |         |         |
|        |                     | 973 SMELSDISNENC[174]R[162]               |          |         |         |
|        |                     | 974 VC[174]SPVAVDGLC[174]LLSVR[162]       |          |         |         |
|        |                     | 975 VC[174]SPVAVDGLC[174]LLSVR            |          |         |         |
|        |                     | 976 C[174]QKEDANGNIVYEK                   |          |         |         |
|        |                     | 977 GATPMEAC[174]TIISDPTC[174]QIAQNR[162] |          |         |         |
|        |                     | 978 C[174]QK[134]EDANGNIVYEK[134]         |          |         |         |
|        |                     | 979 GATPMEAC[174]TIISDPTC[174]QIAQNR      |          |         |         |
|        |                     | 980 DVLGHEQYPNHMR[162]                    |          |         |         |
|        |                     | 981 GKGLSVLLSHAK                          |          |         |         |
|        |                     | 982 GK[134]GLSVLLSHAK[134]                |          |         |         |
|        |                     | 983 GDQEKDPLLQDKPR                        |          |         |         |
|        |                     | 984 VC[174]SPVAVDGLC[174]LLSVR[162]R[162] |          |         |         |
|        |                     | 985 FR[162]DVLGHEQYPNHMR[162]             |          |         |         |
|        |                     | 986 FRDVLGHEQYPNHMR                       |          |         |         |
|        |                     | 987 AYK[134]PIGNC[174]PR[162]             |          |         |         |
|        |                     | 988 AYKPIGNC[174]PR                       |          |         |         |
|        |                     | 989 DVLGHEQYPNHMR[162]EHNQLR[162]         |          |         |         |
|        |                     | 990 DVLGHEQYPNHMR[162]EHNQLR              |          |         |         |

|        |                    |                                           |         |         |         |
|--------|--------------------|-------------------------------------------|---------|---------|---------|
|        |                    | 991 VC[174]SPVAVDGLC[174]LLSVRR           |         |         |         |
|        |                    | 992 AYIPISK[134]                          |         |         |         |
|        |                    | 993 VK[134]DVYVITDQIPVFTMSQK              |         |         |         |
| P61027 | P61027 RAB10_MOUSE | Ras-related protein Rab-10 - Mus musculus | 0.08680 | 0.87122 | 15      |
|        |                    | 994 AFLTLAEDILR[162]                      |         |         |         |
|        |                    | 995 AFLTLAEDILR                           |         |         |         |
|        |                    | 996 NIDEHANEDVER[162]                     |         |         |         |
|        |                    | 997 ANINIEK[134]AFLTLAEDILR[162]          |         |         |         |
|        |                    | 998 ANINIEKAFLTLAEDILR                    |         |         |         |
| P61028 | P61028 RAB8B_MOUSE | Ras-related protein Rab-8B - Mus musculus | 0.32582 | 0.54285 | 12.5604 |
|        |                    | 999 SSTNVEEAFFTLAR[162]                   |         |         |         |
|        |                    | 1000 SSTNVEEAFFTLAR                       |         |         |         |
|        |                    | 1001 NIEEHASSDVER                         |         |         |         |
|        |                    | 1002 NIEEHASSDVER[162]                    |         |         |         |
| P70206 | P70206 PLXA1_MOUSE | Plexin-A1 precursor - Mus musculus        | 0.41333 | 0.44015 | 29.0919 |
|        |                    | 1003 EVAPITQGQGDQR[162]                   |         |         |         |
|        |                    | 1004 SEYFPTLSSR[162]                      |         |         |         |
|        |                    | 1005 EAGSMAGVLIAGPPGQGQAK                 |         |         |         |
|        |                    | 1006 AQLSNPEVK[134]                       |         |         |         |
|        |                    | 1007 LFVGTPIDGK                           |         |         |         |
|        |                    | 1008 LFVGTPIDGK[134]                      |         |         |         |
|        |                    | 1009 FVDDLFETIFSTAHR                      |         |         |         |
|        |                    | 1010 FVDDLFETIFSTAHR[162]                 |         |         |         |
|        |                    | 1011 AHVTGPVEDNEK                         |         |         |         |
|        |                    | 1012 EVAPITQGQGDQR                        |         |         |         |
|        |                    | 1013 AHVTGPVEDNEK[134]                    |         |         |         |
|        |                    | 1014 QTSAYNISNSSTFTK                      |         |         |         |
|        |                    | 1015 EAGSMAGVLIAGPPGQGQAK[134]            |         |         |         |
|        |                    | 1016 LVQDAYLSR[162]PGQALAK[134]           |         |         |         |
|        |                    | 1017 LSLPWLLNK[134]                       |         |         |         |
|        |                    | 1018 GLNC[174]DTVTQVK                     |         |         |         |
|        |                    | 1019 FTFVTPTFYR[162]                      |         |         |         |
|        |                    | 1020 APSIDNPKR                            |         |         |         |



1021 QLGLAEDEEVLFVFAQGQK  
1022 C[174]LTPPGHTPGSAPIVININR  
1023 ILVDLANPSGRPALAYESVVAQEGNPILR  
1024 ILVDLANPSGR[162]PALAYESVVAQEGNPILR[162]  
1025 SPPELGER[162]PDEIGFIMDNVR[162]  
1026 QLGLAEDEEVLFVFAQGQK[134]  
1027 LLLDYAANR  
1028 LQLQMDNLESR[162]  
1029 LNTLAHYQVTDGSSVALVPK  
1030 LVQDAYLSRPGQALAK  
1031 QTSAYNISNSSTFTK[134]  
1032 SPPELGERPDEIGFIMDNVR  
1033 KEHYLSSVR  
1034 RFTFVTPTFYR  
1035 LQLQMDNLESR  
1036 TPMITPDLESGTK  
1037 SLTLFGQLLTK[134]  
1038 SLTLFGQLLTK  
1039 GPIDAITGEAR  
1040 EMEVQANVEK[134]  
1041 YSLSEDKLIR  
1042 LGVHVGK  
1043 AQLSNPEVK  
1044 SKLEQVVDTMALSS  
1045 MVSEIYLTR[162]  
1046 IILQDEDVTTK  
1047 SK[134]LEQVVDTMALSS  
1048 LSLPWLLNK  
1049 YYADIAK  
1050 GVPYSQR[162]PK[134]  
1051 LLLDYAANR[162]  
1052 LNTLAHYQVTDGSSVALVPK[134]  
1053 MPAISDQDMSAYLAEQSR

1054 MPAISDQDMSAYLAEQSR[162]  
 1055 TLTLC[174]VNPEHENAPEVPVK  
 1056 YKDEILVALEKDEQAR  
 1057 C[174]LTPPGHTPGSAPIVININR[162]  
 1058 LFVGTPIDGK[134]SEYFPTLSSR[162]  
 1059 R[162]FTFVTPTFYR[162]  
 1060 SEYFPTLSSR  
 1061 LFVGTPIDGKSEYFPTLSSR  
 1062 TPMITPDLESGTK[134]  
 1063 K[134]EHYLSSVR[162]  
 1064 AGDMDLEWR[162]  
 1065 GYEC[174]LFHIPGSPAR[162]  
 1066 GLNC[174]DTVTQVK[134]  
 1067 QDAC[174]ERAEEPQR  
 1068 YLSSEDK[134]LIR[162]  
 1069 APSIDNPK[134]R[162]  
 1070 IILQDEDVTTK[134]  
 1071 VLFPGIEDHPVLK[134]  
 1072 GPIDAITGEAR[162]  
 1073 FTFVTPTFYR  
 1074 VLFPGIEDHPVLK  
 1075 YMFDFLDEQADKHQIHSDVR  
 1076 AGDMDLEWR  
 1077 LGVHVGK[134]  
 1078 GSALPLAIK[134]  
 1079 MVSEIYLTR  
 1080 TLTLC[174]VNPEHENAPEVPVK[134]  
 1081 GSALPLAIK  
 1082 HLLTFIR

|        |                   |                                            |         |         |         |
|--------|-------------------|--------------------------------------------|---------|---------|---------|
| P53986 | P53986 MOT1_MOUSE | Monocarboxylate transporter 1 - Mus muscul | 0.66566 | 0.21380 | 17.6471 |
|        |                   | 1083 AAQSPQQHSSGDPTEESPV                   |         |         |         |
|        |                   | 1084 SDANTDLIGGSPK[134]                    |         |         |         |
|        |                   | 1085 SDANTDLIGGSPK                         |         |         |         |

|        |                   |                                              |         |         |         |
|--------|-------------------|----------------------------------------------|---------|---------|---------|
|        |                   | 1086 EGKEDEASTDVDEKPK                        |         |         |         |
|        |                   | 1087 EGK[134]EDEASTDVDEK[134]PK[134]         |         |         |         |
|        |                   | 1088 LSVFQTINK[134]                          |         |         |         |
|        |                   | 1089 ESLQEAGKSDANTDLIGGSPK                   |         |         |         |
|        |                   | 1090 SKESLQEAGKSDANTDLIGGSPK                 |         |         |         |
|        |                   | 1091 EGKEDEASTDVDEKPKETMK                    |         |         |         |
|        |                   | 1092 SDANTDLIGGSPKGEK                        |         |         |         |
|        |                   | 1093 LKSKESLQEAGK                            |         |         |         |
|        |                   | 1094 LSVFQTINK                               |         |         |         |
|        |                   | 1095 ESLQEAGK[134]SDANTDLIGGSPK[134]         |         |         |         |
|        |                   | 1096 FLDLSLFTHR[162]                         |         |         |         |
|        |                   | 1097 FLDLSLFTHR                              |         |         |         |
| Q9Z1G4 | Q9Z1G4 VPP1_MOUSE | Vacuolar proton translocating ATPase 116 kDa | 0.84992 | 0.11244 | 24.3147 |
|        |                   | 1098 LGFVAGVINR                              |         |         |         |
|        |                   | 1099 DLNPDVNVFQR                             |         |         |         |
|        |                   | 1100 MQTNQTPPTYNK[134]                       |         |         |         |
|        |                   | 1101 LGFVAGVINR[162]                         |         |         |         |
|        |                   | 1102 MQTNQTPPTYNK                            |         |         |         |
|        |                   | 1103 SVFIIFQGDQLK                            |         |         |         |
|        |                   | 1104 DLNPDVNVFQR[162]                        |         |         |         |
|        |                   | 1105 SVFIIFQGDQLK[134]                       |         |         |         |
|        |                   | 1106 NFLELTELK                               |         |         |         |
|        |                   | 1107 NFLELTELK[134]                          |         |         |         |
|        |                   | 1108 ANIPIMDTGENPEVPFPR[162]                 |         |         |         |
|        |                   | 1109 HLGTLNFGGIR                             |         |         |         |
|        |                   | 1110 GTEHSGSTVPSILNR                         |         |         |         |
|        |                   | 1111 ANIPIMDTGENPEVPFPR                      |         |         |         |
|        |                   | 1112 KANIPIMDTGENPEVPFPR                     |         |         |         |
|        |                   | 1113 ASLYPC[174]PETPQER[162]                 |         |         |         |
|        |                   | 1114 EINTNQEALKR                             |         |         |         |
|        |                   | 1115 ASLYPC[174]PETPQER                      |         |         |         |
|        |                   | 1116 HLGTLNFGGIR[162]                        |         |         |         |
|        |                   | 1117 K[134]ANIPIMDTGENPEVPFPR[162]           |         |         |         |

|        |                    |                                                 |          |         |        |
|--------|--------------------|-------------------------------------------------|----------|---------|--------|
|        |                    | 1118 GTEHSGSTVPSILNR[162]                       |          |         |        |
|        |                    | 1119 MQTNQTPPTYNKTNK                            |          |         |        |
|        |                    | 1120 FTHGFQNIVDAYGIGTYR[162]                    |          |         |        |
|        |                    | 1121 K[134]FVNEVR[162]R[162]                    |          |         |        |
|        |                    | 1122 TNKFTHGFQNIVDAYGIGTYR                      |          |         |        |
|        |                    | 1123 RGEHSGSTVPSILNR                            |          |         |        |
|        |                    | 1124 FTHGFQNIVDAYGIGTYR                         |          |         |        |
|        |                    | 1125 C[174]LIAEVWC[174]PVTDLDSIQFALRR           |          |         |        |
|        |                    | 1126 IDDLQMVLNQTEDHRQR                          |          |         |        |
|        |                    | 1127 GAPLRLGFVAGVINR                            |          |         |        |
|        |                    | 1128 R[162]GTEHSGSTVPSILNR[162]                 |          |         |        |
|        |                    | 1129 C[174]LIAEVWC[174]PVTDLDSIQFALR[162]R[162] |          |         |        |
|        |                    | 1130 FVNEVRR                                    |          |         |        |
|        |                    | 1131 K[134]FVNEVR[162]                          |          |         |        |
|        |                    | 1132 FVEK[134]EIR[162]K[134]                    |          |         |        |
|        |                    | 1133 FVEKEIRK                                   |          |         |        |
| Q91ZX7 | Q91ZX7 LRP1_MOUSE  | Prolow-density lipoprotein receptor-related pr  | 0.24964  | 0.64105 | 3.0143 |
|        |                    | 1134 TTIVENVGSGVEGLAYHR                         |          |         |        |
|        |                    | 1135 AVTDEEPFLIFANR[162]                        |          |         |        |
|        |                    | 1136 ETLVQDNIQWPTGLAVDYHNER[162]                |          |         |        |
|        |                    | 1137 C[174]LQGAC[174]VVNK[134]                  |          |         |        |
|        |                    | 1138 C[174]PTGFTGPK                             |          |         |        |
|        |                    | 1139 C[174]LQGAC[174]VVNK                       |          |         |        |
|        |                    | 1140 ELLGR[162]GPEDEIGDPLA                      |          |         |        |
|        |                    | 1141 IETAAMDGTLR[162]                           |          |         |        |
|        |                    | 1142 MMPEC[174]QC[174]PPHMTGPR[162]             |          |         |        |
|        |                    | 1143 LYWADAK                                    |          |         |        |
|        |                    | 1144 MTNGAMNVEIGNPTYK[134]                      |          |         |        |
| Q64455 | Q64455 PTPRJ_MOUSE | Receptor-type tyrosine-protein phosphatase e    | -0.46625 | 0.39011 | 6.7044 |
|        |                    | 1145 GASDTYVVTYLIR[162]                         |          |         |        |
|        |                    | 1146 AYAVILTTGEAAQPSADVLK[134]                  |          |         |        |
|        |                    | 1147 YTAEIAENR[162]                             |          |         |        |
|        |                    | 1148 NMQNSESHPLR[162]                           |          |         |        |

|        |                    |                                             |         |         |         |
|--------|--------------------|---------------------------------------------|---------|---------|---------|
|        |                    | 1149 GASDTYVVTYLIR                          |         |         |         |
|        |                    | 1150 FSGFEASHGPIK[134]                      |         |         |         |
|        |                    | 1151 YNNVLPYDISR[162]                       |         |         |         |
|        |                    | 1152 YTYEDFK[134]R[162]                     |         |         |         |
| Q64430 | Q64430 ATP7A_MOUSE | Copper-transporting ATPase 1 - Mus musculus | 0.86507 | 0.10618 | 26.6264 |
|        |                    | 1153 LGAIDVER[162]                          |         |         |         |
|        |                    | 1154 LGAIDVER                               |         |         |         |
|        |                    | 1155 YNPAVIQPR                              |         |         |         |
|        |                    | 1156 VFAEVLPSHK                             |         |         |         |
|        |                    | 1157 AIEAISPQQYR[162]                       |         |         |         |
|        |                    | 1158 AIEAISPQQYR                            |         |         |         |
|        |                    | 1159 VSIASEVESTASSPSSSSLQK                  |         |         |         |
|        |                    | 1160 ATHVGADTTLSQIVK[134]                   |         |         |         |
|        |                    | 1161 SIHVSLANSTGTIEFDPLLTSPETLR             |         |         |         |
|        |                    | 1162 ILAIVGTAESNSEHPLGAAVTK                 |         |         |         |
|        |                    | 1163 VFAEVLPSHK[134]                        |         |         |         |
|        |                    | 1164 VVVFDTGTITHGTPVVNQVK                   |         |         |         |
|        |                    | 1165 ATHVGADTTLSQIVK                        |         |         |         |
|        |                    | 1166 YNASLVTPPEMLR[162]                     |         |         |         |
|        |                    | 1167 TGTITHGTPVVNQVK                        |         |         |         |
|        |                    | 1168 VTNIEGLLHK                             |         |         |         |
|        |                    | 1169 VIAEFIR                                |         |         |         |
|        |                    | 1170 VSIASEVESTASSPSSSSLQK[134]             |         |         |         |
|        |                    | 1171 ASINSLSDKR                             |         |         |         |
|        |                    | 1172 DIIHTIGSLGFEASLVKK                     |         |         |         |
|        |                    | 1173 DIIHTIGSLGFEASLVK[134]                 |         |         |         |
|        |                    | 1174 KPTYDNYELHPR                           |         |         |         |
|        |                    | 1175 SAVVTIIPSVVSASQIVELVPDLSLDMGTQEKK      |         |         |         |
|        |                    | 1176 SC[174]VSNIESALSTLQYVSSIVVSLENR        |         |         |         |
|        |                    | 1177 VVVFDTK[134]TGTITHGTPVVNQVK[134]       |         |         |         |
|        |                    | 1178 AHIKYDPEIIGPR                          |         |         |         |
|        |                    | 1179 AHIK[134]YDPEIIGPR[162]                |         |         |         |
|        |                    | 1180 SPSYPSDSTTMFTIEGMHC[174]K              |         |         |         |

|        |                     |                                                 |         |         |         |
|--------|---------------------|-------------------------------------------------|---------|---------|---------|
|        |                     | 1181 K[134]AIEAISPQQYR[162]                     |         |         |         |
|        |                     | 1182 YNASLVTPPEMLR                              |         |         |         |
|        |                     | 1183 SNLKIEENNIK                                |         |         |         |
|        |                     | 1184 GGEPLEMAHK                                 |         |         |         |
|        |                     | 1185 TIEQQIGK                                   |         |         |         |
|        |                     | 1186 DIIHTIGSLGFEASLVK                          |         |         |         |
|        |                     | 1187 K[134]PTYDNYELHPR[162]                     |         |         |         |
|        |                     | 1188 SLNSVVTSEPDKHSLLVGDFREDDDTTL               |         |         |         |
|        |                     | 1189 ASINSLSDK[134]R[162]                       |         |         |         |
|        |                     | 1190 ILAIVGTAESNSEHPLGAAVTK[134]                |         |         |         |
|        |                     | 1191 YDPEIIGPR                                  |         |         |         |
|        |                     | 1192 VTNIEGLLHK[134]                            |         |         |         |
|        |                     | 1193 GGEPLEMAHK[134]                            |         |         |         |
|        |                     | 1194 SNLK[134]IEENNIK[134]                      |         |         |         |
|        |                     | 1195 VIEGHSMVDESLITGEAMPVAK                     |         |         |         |
|        |                     | 1196 VIAEFIR[162]                               |         |         |         |
|        |                     | 1197 VVPGGK[134]FPVDGR[162]                     |         |         |         |
| O88384 | O88384 VTI1B_MOUSE  | Vesicle transport through interaction with t-SN | 0.55260 | 0.30206 | 34.4828 |
|        |                     | 1198 STPLTAAPGGR[162]                           |         |         |         |
|        |                     | 1199 LLGTAGTEEK                                 |         |         |         |
|        |                     | 1200 STPLTAAPGGR                                |         |         |         |
|        |                     | 1201 GLLEDLQGVPER                               |         |         |         |
|        |                     | 1202 GLLEDLQGVPER[162]                          |         |         |         |
|        |                     | 1203 ALLLQGTESLNR[162]                          |         |         |         |
|        |                     | 1204 LVNTNENLSK                                 |         |         |         |
|        |                     | 1205 LVNTNENLSK[134]                            |         |         |         |
|        |                     | 1206 ALLLQGTESLNR                               |         |         |         |
|        |                     | 1207 IATETDQIGTEIIEELGEQRDQLER                  |         |         |         |
|        |                     | 1208 IATETDQIGTEIIEELGEQR[162]DQLER[162]        |         |         |         |
|        |                     | 1209 GLLEDLQGVPERLLGTAGTEEK                     |         |         |         |
| Q91W06 | Q91W06 Q91W06_MOUSE | T-cell, immune regulator 1, ATPase, H+ transp   | 0.06937 | 0.89692 | 25.6595 |
|        |                     | 1210 AGLTLAPPEGTLPAPPPR[162]                    |         |         |         |
|        |                     | 1211 AGLTLAPPEGTLPAPPPR                         |         |         |         |

1212 VNFVAGAVEPYK  
 1213 VNFVAGAVEPYK[134]  
 1214 IPC[174]QDMPPTLIR[162]  
 1215 IQEETDR[162]LAQELR[162]  
 1216 DLPTVQQALQSGSSEEGVSAVAHR[162]  
 1217 FTSSFQGIVDAYGVGR[162]  
 1218 FTSSFQGIVDAYGVGR  
 1219 IPC[174]QDMPPTLIR  
 1220 DLNESVSAFQR  
 1221 DLNESVSAFQR[162]  
 1222 DLPTVQQALQSGSSEEGVSAVAHR  
 1223 IQEETDRLAQELR  
 1224 C[174]LIAEVWC[174]AAR[162]  
 1225 C[174]LIAEVWC[174]AAR  
 1226 GFLIASFR[162]  
 1227 LSPFTFTVDSD  
 1228 TFTFLREEVQR  
 1229 TLQQLQQQSQELQEVLGETDR  
 1230 GFLIASFR  
 1231 VQQLPPWQVQIHK  
 1232 FLSQVLGR[162]  
 1233 AQLHQLR[162]  
 1234 TNR[162]FTSSFQGIVDAYGVGR[162]  
 1235 TNRFTSSFQGIVDAYGVGR  
 1236 AGLTLAPPEGLPAPPPR[162]DLLR[162]  
 1237 VQQLPPWQVQIHK[134]  
 1238 TFTFLR[162]EEVQR[162]  
 1239 DVRGNQQALR  
 1240 TLQQLQQQSQELQEVLGETDRFLSQVLGR  
 1241 TLQQLQQQSQELQEVLGETDR[162]FLSQVLGR[162]  
 1242 IGGIGTVPVGR[162]  
 1243 VETGVLK[134]PGMVVTFAPVNVTTTEVK[134]

|        |                    |                                            |          |         |        |
|--------|--------------------|--------------------------------------------|----------|---------|--------|
| P10126 | P10126 EF1A1_MOUSE | Elongation factor 1-alpha 1 - Mus musculus | -0.09454 | 0.86166 | 30.303 |
|--------|--------------------|--------------------------------------------|----------|---------|--------|

1244 IGGIGTVPVGR  
 1245 EHALLAYTLGVK  
 1246 SGDAAIIVDMVPGKPMC[174]VESFSDYPPLGR  
 1247 MDSTEPPYSQK[134]  
 1248 SGDAAIIVDMVPGK[134]PMC[174]VESFSDYPPLGR[162]  
 1249 VETGVLKPGMVVTFAPVNVTTTEVK  
 1250 EHALLAYTLGVK[134]  
 1251 STTTGHLIYK  
 1252 LPLQDVYK[134]  
 1253 QTVAVGVK  
 1254 LPLQDVYK  
 1255 STTTGHLIYK[134]  
 1256 R[162]YEEIVK[134]  
 1257 QTVAVGVK[134]  
 1258 YYVTIIDAPGHR[162]  
 1259 YEEIVKEVSTYIKK

|        |                    |                                           |          |         |         |
|--------|--------------------|-------------------------------------------|----------|---------|---------|
| P51150 | P51150 RAB7A_MOUSE | Ras-related protein Rab-7a - Mus musculus | -0.15513 | 0.77492 | 72.4638 |
|--------|--------------------|-------------------------------------------|----------|---------|---------|

1260 EAINVEQAFQTIAR[162]  
 1261 EAINVEQAFQTIAR  
 1262 FQSLGVAFYR[162]  
 1263 DPENFPFVVLGNK[134]  
 1264 TLDSWR[162]DEFLIQASPR[162]  
 1265 DPENFPFVVLGNK  
 1266 LVTMQIWDTAGQER[162]  
 1267 VIILGDSGVGK[134]  
 1268 ATIGADFLTK[134]  
 1269 ATIGADFLTK  
 1270 FQSLGVAFYR  
 1271 TLDSWRDEFLIQASPR  
 1272 NNIPYFETSAK[134]  
 1273 GADC[174]C[174]VLVFDVTAPNTFK[134]  
 1274 DPENFPFVVLGNK[134]IDLENR[162]  
 1275 NNIPYFETSAKEAINVEQAFQTIAR



1276 NNIPYFETSAK[134]EAINVEQAFQTIAR[162]  
 1277 EVMVDDR[162]LVTMQIWDTAGQER[162]  
 1278 TLDSWRDEFLIQASRPDPENFPFVVLGNK  
 1279 LVTMQIWDTAGQER  
 1280 R[162]AQAWC[174]YSK[134]  
 1281 VIILGDSGVGK  
 1282 TSLMNQYVVK[134]K[134]  
 1283 TSLMNQYVVKK  
 1284 NNIPYFETSAK  
 1285 AQAWC[174]YSK[134]  
 1286 RAQAWC[174]YSK  
 1287 AQAWC[174]YSK  
 1288 GLAGAVSELLR[162]  
 1289 AVAEQIPLLVGQVR[162]  
 1290 LLGEIAQGNENYAGIAAR  
 1291 LLGEIAQGNENYAGIAAR[162]  
 1292 LNEAAAGLNQAATELVQASR  
 1293 LNEAAAGLNQAATELVQASR[162]  
 1294 TMLESAGGLIQTAR[162]  
 1295 VAGSVTELIQAAEAMK  
 1296 VAGSVTELIQAAEAMK[134]  
 1297 VSQMAQYFEPLTAAVGAASK  
 1298 VSQMAQYFEPLTAAVGAASK[134]  
 1299 QAAASATQTIAAAQHAASAPK  
 1300 GVGAAATAVTQALNELLQHVK  
 1301 QAAASATQTIAAAQHAASAPK[134]  
 1302 AVAEQIPLLVGQVR  
 1303 LAQAAQSSVATITR  
 1304 VLGEAMTGISQNAK[134]  
 1305 GVGAAATAVTQALNELLQHVK[134]  
 1306 ILAQATSDLVNAIK[134]  
 1307 VMVTNVTSLK

|        |                   |                        |          |         |         |
|--------|-------------------|------------------------|----------|---------|---------|
| P26039 | P26039 TLN1_MOUSE | Talin-1 - Mus musculus | -0.09045 | 0.86760 | 15.3876 |
|--------|-------------------|------------------------|----------|---------|---------|

|        |                   |                                                  |         |         |         |
|--------|-------------------|--------------------------------------------------|---------|---------|---------|
|        |                   | 1308 LAQAAQSSVATITR[162]                         |         |         |         |
|        |                   | 1309 VLVQNAAGSQEK[134]                           |         |         |         |
|        |                   | 1310 TLAESALQLLYTAK[134]                         |         |         |         |
|        |                   | 1311 VLVQNAAGSQEK                                |         |         |         |
|        |                   | 1312 GLAGAVSELLR                                 |         |         |         |
|        |                   | 1313 MATNAAAQNAIK                                |         |         |         |
|        |                   | 1314 LLSDLLPPSTGTFQEAQSR[162]                    |         |         |         |
|        |                   | 1315 TLAESALQLLYTAK                              |         |         |         |
|        |                   | 1316 TYGVSFVLVK                                  |         |         |         |
|        |                   | 1317 VLGEAMTGISQNAK                              |         |         |         |
|        |                   | 1318 NLGTALAE LR[162]                            |         |         |         |
|        |                   | 1319 ALSTDPASPNLK[134]                           |         |         |         |
|        |                   | 1320 ALSTDPASPNLK                                |         |         |         |
|        |                   | 1321 EVANSTANLVK                                 |         |         |         |
|        |                   | 1322 TYGVSFVLVK[134]                             |         |         |         |
|        |                   | 1323 K[134]LEQLK[134]PR[162]                     |         |         |         |
|        |                   | 1324 VGDDPAVWQLK[134]                            |         |         |         |
|        |                   | 1325 KLEQLKPR                                    |         |         |         |
|        |                   | 1326 MVGGIAQIAAQEEMLR[162]K[134]                 |         |         |         |
|        |                   | 1327 EVANSTANLVK[134]                            |         |         |         |
|        |                   | 1328 EADESLNFEEQILEAAK[134]                      |         |         |         |
|        |                   | 1329 GSQAQPDSPAQLALIAASQSFLQPGGK[134]            |         |         |         |
| P60710 | P60710 ACTB_MOUSE | Actin, cytoplasmic 1 - Mus musculus              | 0.06003 | 0.91074 | 36.2667 |
|        |                   | 1330 VAPEEHPVLLTEAPLNPK[134]                     |         |         |         |
|        |                   | 1331 VAPEEHPVLLTEAPLNPK                          |         |         |         |
|        |                   | 1332 GYSFTTTAER[162]                             |         |         |         |
|        |                   | 1333 QEYDESGPSIVHR[162]                          |         |         |         |
|        |                   | 1334 GYSFTTTAER                                  |         |         |         |
|        |                   | 1335 QEYDESGPSIVHR                               |         |         |         |
|        |                   | 1336 C[174]PEALFQPSFLGMESC[174]GIHETTFNSIMK[134] |         |         |         |
|        |                   | 1337 QEYDESGPSIVHR[162]K[134]                    |         |         |         |
|        |                   | 1338 TTGIVMDSGDGVTHTVPIYEGYALPHAILR[162]         |         |         |         |
|        |                   | 1339 QEYDESGPSIVHRK                              |         |         |         |

|        |                   |                                        |          |         |         |
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|        |                   | 1340 GYSFTTTAEREIVR                    |          |         |         |
|        |                   | 1341 GYSFTTTAER[162]EIVR[162]          |          |         |         |
|        |                   | 1342 LC[174]YVALDFEQEMATAASSSSLEK[134] |          |         |         |
|        |                   | 1343 EKLC[174]YVALDFEQEMATAASSSSLEK    |          |         |         |
|        |                   | 1344 TTGIVMDSGDGVTHTVPIYEGYALPHAILR    |          |         |         |
|        |                   | 1345 C[174]DVDIR[162]K[134]            |          |         |         |
|        |                   | 1346 C[174]DVDIRK                      |          |         |         |
| O70439 | O70439 STX7_MOUSE | Syntaxin-7 - Mus musculus              | 0.56741  | 0.28928 | 41.7625 |
|        |                   | 1347 TLNQLGTPQDSPELR[162]              |          |         |         |
|        |                   | 1348 LVAEFTTSLTNFQK                    |          |         |         |
|        |                   | 1349 LVAEFTTSLTNFQK[134]               |          |         |         |
|        |                   | 1350 TLNQLGTPQDSPELR                   |          |         |         |
|        |                   | 1351 EFGSLPTTPSEQR                     |          |         |         |
|        |                   | 1352 EFGSLPTTPSEQR[162]                |          |         |         |
|        |                   | 1353 ITQC[174]SVEIQR[162]              |          |         |         |
|        |                   | 1354 QQYTNQLAK[134]                    |          |         |         |
|        |                   | 1355 ITQC[174]SVEIQR                   |          |         |         |
|        |                   | 1356 QAAEREKEFVAR                      |          |         |         |
|        |                   | 1357 QLEADIMDINEIFK                    |          |         |         |
|        |                   | 1358 QLEADIMDINEIFK[134]               |          |         |         |
|        |                   | 1359 ETDKYIKEFGSLPTTPSEQR              |          |         |         |
|        |                   | 1360 VSGGFPEDSSK[134]EK[134]           |          |         |         |
|        |                   | 1361 VSGGFPEDSSK[134]                  |          |         |         |
|        |                   | 1362 VSGGFPEDSSKEK                     |          |         |         |
|        |                   | 1363 QQYTNQLAK                         |          |         |         |
|        |                   | 1364 VSGGFPEDSSK                       |          |         |         |
|        |                   | 1365 DRLVAEFTTSLTNFQK                  |          |         |         |
| Q3UHK6 | Q3UHK6 TEN4_MOUSE | Teneurin-4 - Mus musculus              | -0.54253 | 0.31731 | 4.908   |
|        |                   | 1366 NSEVVAGTGDQC[174]LPFDDTR[162]     |          |         |         |
|        |                   | 1367 TVNLQNEGFTC[174]TIR[162]          |          |         |         |
|        |                   | 1368 TAVLQGYEIDASK                     |          |         |         |
|        |                   | 1369 FDYNYDNSFR[162]                   |          |         |         |
|        |                   | 1370 TAVLQGYEIDASK[134]                |          |         |         |

|        |                   |                                               |          |         |         |
|--------|-------------------|-----------------------------------------------|----------|---------|---------|
|        |                   | 1371 FTEEGMVNAR[162]                          |          |         |         |
|        |                   | 1372 NSYYIGADGSLR[162]                        |          |         |         |
|        |                   | 1373 LSSVTMPNVAR                              |          |         |         |
|        |                   | 1374 NLLSLDFDR[162]                           |          |         |         |
|        |                   | 1375 ATEATLTNPR[162]                          |          |         |         |
|        |                   | 1376 ATEATLTNPR                               |          |         |         |
|        |                   | 1377 YTDIQLQYR[162]                           |          |         |         |
|        |                   | 1378 GITVDK[134]FGLIYFVDGTMIR[162]            |          |         |         |
| Q80U72 | Q80U72 LAP4_MOUSE | Protein LAP4 - Mus musculus                   | -0.66246 | 0.22206 | 10.67   |
|        |                   | 1379 LPQPEAVVALLQGVQTDR[162]                  |          |         |         |
|        |                   | 1380 AGGPLGLSIVGGSDHSSHPFGVQDPGVFISK[134]     |          |         |         |
|        |                   | 1381 LLEVNQSQLLGLTHAEAVQLLR[162]              |          |         |         |
|        |                   | 1382 SLPASLSFLVK[134]                         |          |         |         |
|        |                   | 1383 VPQAEGPPK[134]R[162]                     |          |         |         |
|        |                   | 1384 SLEELLDANQLR[162]                        |          |         |         |
|        |                   | 1385 VSLVGADDLR[162]                          |          |         |         |
|        |                   | 1386 FQTEDDAQTGEK[134]                        |          |         |         |
|        |                   | 1387 VPQAEGPPKR                               |          |         |         |
|        |                   | 1388 LPDGFTQLR[162]                           |          |         |         |
|        |                   | 1389 LLEVNQSQLLGLTHAEAVQLLR                   |          |         |         |
|        |                   | 1390 ALAALPSAGSLQR[162]                       |          |         |         |
|        |                   | 1391 LAVLPPELAHTAELHVLDVAGNR[162]             |          |         |         |
|        |                   | 1392 SLPASLSFLVK                              |          |         |         |
| Q9DC29 | Q9DC29 ABC6_MOUSE | Mitochondrial ATP-binding cassette sub-family | 1.04255  | 0.05153 | 18.7648 |
|        |                   | 1393 APDIILLDEATSALDTSNER                     |          |         |         |
|        |                   | 1394 TILKAPDIILLDEATSALDTSNER                 |          |         |         |
|        |                   | 1395 APDIILLDEATSALDTSNER[162]                |          |         |         |
|        |                   | 1396 AVDSLLNFETVK                             |          |         |         |
|        |                   | 1397 TTIVIAHR                                 |          |         |         |
|        |                   | 1398 TTIVIAHR[162]                            |          |         |         |
|        |                   | 1399 TILK[134]APDIILLDEATSALDTSNER[162]       |          |         |         |
|        |                   | 1400 SHIGVVPQDTVLFNDTIANNIR                   |          |         |         |
|        |                   | 1401 EVPAGPEELSWAAGPR                         |          |         |         |

|        |                    |                                              |         |         |         |
|--------|--------------------|----------------------------------------------|---------|---------|---------|
|        |                    | 1402 IDGQDISQVTQISLR                         |         |         |         |
|        |                    | 1403 AVDSLLNFETVK[134]                       |         |         |         |
|        |                    | 1404 SHIGVVPQDTVLFNDTIANNIR[162]             |         |         |         |
|        |                    | 1405 FYDISSGC[174]IR[162]                    |         |         |         |
|        |                    | 1406 IDGQDISQVTQISLR[162]                    |         |         |         |
|        |                    | 1407 FYDISSGC[174]IR                         |         |         |         |
|        |                    | 1408 LSTVVNADQILVIK                          |         |         |         |
|        |                    | 1409 GRHEALLSR                               |         |         |         |
|        |                    | 1410 GGVYAEMWQLQQGQETVPEESKPQDTA             |         |         |         |
| Q9ER00 | Q9ER00 STX12_MOUSE | Syntaxin-12 - Mus musculus                   | 0.44951 | 0.40119 | 40.5109 |
|        |                    | 1411 LMNDFSSALNNFQVVQR[162]                  |         |         |         |
|        |                    | 1412 LMNDFSSALNNFQVVQR                       |         |         |         |
|        |                    | 1413 LQENLQQQLQHSTNQLAK                      |         |         |         |
|        |                    | 1414 VSEK[134]EK[134]ESIAR[162]              |         |         |         |
|        |                    | 1415 ETNELLKELGSLPLPLSASEQR                  |         |         |         |
|        |                    | 1416 ISQATAQIK[134]                          |         |         |         |
|        |                    | 1417 ELGSLPLPLSASEQR[162]                    |         |         |         |
|        |                    | 1418 LQENLQQQLQHSTNQLAK[134]                 |         |         |         |
|        |                    | 1419 DFNSIIQTC[174]SGNIQR                    |         |         |         |
|        |                    | 1420 DFNSIIQTC[174]SGNIQR[162]               |         |         |         |
|        |                    | 1421 LMNDFSSALNNFQVVQRK                      |         |         |         |
|        |                    | 1422 VSEKEKESIAR                             |         |         |         |
|        |                    | 1423 LMNDFSSALNNFQVVQR[162]K[134]            |         |         |         |
|        |                    | 1424 ELGSLPLPLSASEQR                         |         |         |         |
|        |                    | 1425 QLEADILDVNQIFK[134]                     |         |         |         |
|        |                    | 1426 QDSSK[134]LQENLQQQLQHSTNQLAK[134]       |         |         |         |
|        |                    | 1427 QLEADILDVNQIFK                          |         |         |         |
|        |                    | 1428 ETNELLK[134]ELGSLPLPLSASEQR[162]        |         |         |         |
|        |                    | 1429 QDSSKLQENLQQQLQHSTNQLAK                 |         |         |         |
| Q9DC51 | Q9DC51 GNAI3_MOUSE | Guanine nucleotide-binding protein G(k) subu | 0.21616 | 0.68644 | 48.5876 |
|        |                    | 1430 ISQTNYIPTQQDVLR                         |         |         |         |
|        |                    | 1431 VVVYSNTIQSIIAIR[162]                    |         |         |         |
|        |                    | 1432 VVVYSNTIQSIIAIR                         |         |         |         |

1433 ISQTNYPQDVLRL[162]  
 1434 NLREDGEKAAK  
 1435 NLR[162]EDGEK[134]AAK[134]  
 1436 EVYTHFTC[174]ATDTK  
 1437 EYQLNDSASYLNDLDR[162]  
 1438 DTKEVYTHFTC[174]ATDTK  
 1439 LKIDFGESAR  
 1440 QLFVLAGSAEEGVMTSELAGVIK[134]R[162]  
 1441 IIHEDGYSEDEC[174]KQYK  
 1442 IIHEDGYSEDEC[174]K[134]QYK[134]  
 1443 DTK[134]EVYTHFTC[174]ATDTK[134]  
 1444 LK[134]IDFGESAR[162]  
 1445 QLFVLAGSAEEGVMTSELAGVIKR  
 1446 SREYQLNDSASYLNDLDR  
 1447 SR[162]EYQLNDSASYLNDLDR[162]  
 1448 EVYTHFTC[174]ATDTK[134]  
 1449 DGGVQAC[174]FSR  
 1450 DGGVQAC[174]FSR[162]  
 1451 IDFGESAR  
 1452 IDFGESAR[162]  
 1453 NNLK[134]EC[174]GLY  
 1454 QLFVLAGSAEEGVMTSELAGVIK[134]  
 1455 TTGIVETHFTFKELYFK  
 1456 IIHEDGYSEDEC[174]K[134]  
 1457 TTGIVETHFTFK[134]ELYFK[134]  
 1458 IDFGESARADDAR  
 1459 NNLKEC[174]GLY  
 1460 MIDR[162]NLR[162]EDGEK[134]  
 1461 EYQLNDSASYLNDLDR  
 1462 LLLASFK[134]NEGAEPDLIR[162]  
 1463 QNLLDDLVT  
 1464 LLLASFKNEGAEPDLIR

|        |                   |                           |         |         |        |
|--------|-------------------|---------------------------|---------|---------|--------|
| O88983 | O88983 STX8_MOUSE | Syntaxin-8 - Mus musculus | 0.48273 | 0.36729 | 29.661 |
|--------|-------------------|---------------------------|---------|---------|--------|

|        |                    |                                             |         |         |         |
|--------|--------------------|---------------------------------------------|---------|---------|---------|
|        |                    | 1465 QNLLDDLVT[162]                         |         |         |         |
|        |                    | 1466 GTPNPWLC[174]EEPEETR                   |         |         |         |
|        |                    | 1467 SSLMSEAK[134]R[162]                    |         |         |         |
|        |                    | 1468 SSLMSEAKR                              |         |         |         |
|        |                    | 1469 IIQEQDAGLDALSSIISR                     |         |         |         |
|        |                    | 1470 IIQEQDAGLDALSSIISR[162]                |         |         |         |
| P26151 | P26151 FCGR1_MOUSE | High affinity immunoglobulin gamma Fc recep | 0.38214 | 0.47542 | 49.2574 |
|        |                    | 1471 SDGVYEEVTATASQTPK                      |         |         |         |
|        |                    | 1472 AVITLQPPWVSIFQK[134]                   |         |         |         |
|        |                    | 1473 SDGVYEEVTATASQTPK[134]                 |         |         |         |
|        |                    | 1474 AVITLQPPWVSIFQK                        |         |         |         |
|        |                    | 1475 VLTEGEPLALR[162]                       |         |         |         |
|        |                    | 1476 ANSFQQVR[162]                          |         |         |         |
|        |                    | 1477 VLTEGEPLALR                            |         |         |         |
|        |                    | 1478 C[174]QIGSSMPSPVQLQIHNDWLLQASR[162]    |         |         |         |
|        |                    | 1479 K[134]YNLEVPLVSEQGK[134]               |         |         |         |
|        |                    | 1480 C[174]QIGSSMPSPVQLQIHNDWLLQASRR        |         |         |         |
|        |                    | 1481 C[174]QIGSSMPSPVQLQIHNDWLLQASR         |         |         |         |
|        |                    | 1482 KYNLEVPLVSEQGK                         |         |         |         |
|        |                    | 1483 AEREDAGFYWC[174]EVATEDSSVLKR           |         |         |         |
|        |                    | 1484 SSVGDC[174]GPEQPEPLPPSDSTGAQTSQS       |         |         |         |
|        |                    | 1485 RVLTEGEPLALR                           |         |         |         |
|        |                    | 1486 SFQFSSDSEVAILK                         |         |         |         |
|        |                    | 1487 HRYTSAGVSITVK                          |         |         |         |
|        |                    | 1488 YNLEVPLVSEQGK                          |         |         |         |
|        |                    | 1489 YNLEVPLVSEQGK[134]                     |         |         |         |
|        |                    | 1490 LVYNVVFYR                              |         |         |         |
|        |                    | 1491 YNLEVPLVSEQGK[134]K[134]               |         |         |         |
|        |                    | 1492 R[162]VLTEGEPLALR[162]                 |         |         |         |
|        |                    | 1493 LVYNVVFYR[162]                         |         |         |         |
|        |                    | 1494 SFQFSSDSEVAILK[134]                    |         |         |         |
|        |                    | 1495 ELFTTPVLR[162]                         |         |         |         |
|        |                    | 1496 YTSAGVSITVK[134]                       |         |         |         |

|        |                     |                                                    |          |         |        |
|--------|---------------------|----------------------------------------------------|----------|---------|--------|
|        |                     | 1497 YTSAGVSITVK                                   |          |         |        |
|        |                     | 1498 ELFTTPVLR                                     |          |         |        |
|        |                     | 1499 YNLEVPLVSEQGKK                                |          |         |        |
|        |                     | 1500 KYNLEVPLVSEQGK                                |          |         |        |
|        |                     | 1501 ANSFQQVR                                      |          |         |        |
|        |                     | 1502 AEREDAGFYWC[174]EVATEDSSVLK                   |          |         |        |
|        |                     | 1503 HR[162]YTSAGVSITVK[134]                       |          |         |        |
|        |                     | 1504 KANSFQQVR                                     |          |         |        |
|        |                     | 1505 K[134]ANSFQQVR[162]                           |          |         |        |
|        |                     | 1506 NKLVYNVVFYR                                   |          |         |        |
|        |                     | 1507 K[134]YNLEVPLVSEQGK[134]K[134]                |          |         |        |
|        |                     | 1508 SDGVYEEVTATASQTPKEAPDGPR                      |          |         |        |
| Q9Z127 | Q9Z127 LAT1_MOUSE   | Large neutral amino acids transporter small su     | 1.02327  | 0.05600 | 9.1797 |
|        |                     | 1509 AVATPATAAAEEER                                |          |         |        |
|        |                     | 1510 AVATPATAAAEEER[162]                           |          |         |        |
|        |                     | 1511 RGDGADPEGEGVTLQR                              |          |         |        |
|        |                     | 1512 R[162]GDGADPEGEGVTLQR[162]                    |          |         |        |
|        |                     | 1513 RAVATPATAAAEEERQAR                            |          |         |        |
|        |                     | 1514 AVATPATAAAEEERQAR                             |          |         |        |
|        |                     | 1515 AVATPATAAAEEER[162]QAR[162]                   |          |         |        |
|        |                     | 1516 DMGQGDASNQQK                                  |          |         |        |
| Q6P9L1 | Q6P9L1 Q6P9L1_MOUSE | Cad protein (Fragment) - Mus musculus              | -0.31120 | 0.56623 | 3.3981 |
|        |                     | 1517 TLGVDLVALATR[162]                             |          |         |        |
|        |                     | 1518 LALGIPLPELR[162]                              |          |         |        |
|        |                     | 1519 MAEIGEHVAPSEAANSLEQAQAAAER[162]               |          |         |        |
|        |                     | 1520 LALGIPLPELR                                   |          |         |        |
| P17809 | P17809 GTR1_MOUSE   | Solute carrier family 2, facilitated glucose tran: | 0.64243  | 0.23021 | 8.5366 |
|        |                     | 1521 TFDEIASGFR[162]                               |          |         |        |
|        |                     | 1522 TFDEIASGFR                                    |          |         |        |
|        |                     | 1523 VTILELFR                                      |          |         |        |
|        |                     | 1524 QGGASQSDKTPEELFHPLGADSQV                      |          |         |        |
|        |                     | 1525 QGGASQSDK[134]TPEELFHPLGADSQV                 |          |         |        |
| O35379 | O35379 MRP1_MOUSE   | Multidrug resistance-associated protein 1 - M      | 0.57125  | 0.28603 | 4.9084 |



|        |                    |      |                                               |          |         |         |
|--------|--------------------|------|-----------------------------------------------|----------|---------|---------|
|        |                    | 1526 | TPSGNLVNR[162]                                |          |         |         |
|        |                    | 1527 | SPVYSHFNETLLGVSVIR[162]                       |          |         |         |
|        |                    | 1528 | TPSGNLVNR                                     |          |         |         |
|        |                    | 1529 | ILVLDEATAAVDLETDNLIQSTIR                      |          |         |         |
|        |                    | 1530 | ILVLDEATAAVDLETDNLIQSTIR[162]                 |          |         |         |
|        |                    | 1531 | SPVYSHFNETLLGVSVIR                            |          |         |         |
|        |                    | 1532 | AVYSNSDIYLFDDPLSAVDAHVGK[134]                 |          |         |         |
| P54116 | P54116 STOM_MOUSE  |      | Erythrocyte band 7 integral membrane proteir  | -0.36565 | 0.50033 | 38.3803 |
|        |                    | 1533 | VQNATLAVANITNADSATR[162]                      |          |         |         |
|        |                    | 1534 | VIAAEGEMNASR[162]                             |          |         |         |
|        |                    | 1535 | VIAAEGEMNASR                                  |          |         |         |
|        |                    | 1536 | AMAAEAEAAR[162]                               |          |         |         |
|        |                    | 1537 | ALK[134]EASMVITESPAALQLR[162]                 |          |         |         |
|        |                    | 1538 | NSTIVFPLPVDMLQGIMGSNH                         |          |         |         |
|        |                    | 1539 | VQNATLAVANITNADSATR                           |          |         |         |
|        |                    | 1540 | ALKEASMVITESPAALQLR                           |          |         |         |
|        |                    | 1541 | GPGLFFILPC[174]TDSLK[134]                     |          |         |         |
|        |                    | 1542 | EASMVITESPAALQLR[162]                         |          |         |         |
|        |                    | 1543 | GPGLFFILPC[174]TDSLK                          |          |         |         |
|        |                    | 1544 | YLQTLTTIAAEK[134]                             |          |         |         |
| Q9JKF1 | Q9JKF1 IQGA1_MOUSE |      | Ras GTPase-activating-like protein IQGAP1 - M | 0.11047  | 0.83655 | 16.5963 |
|        |                    | 1545 | ILAIGLINEALDEGDAQK[134]                       |          |         |         |
|        |                    | 1546 | ILAIGLINEALDEGDAQK                            |          |         |         |
|        |                    | 1547 | LEGVLAEVAQHYQDTLIR[162]                       |          |         |         |
|        |                    | 1548 | LQQTYSALNSK[134]                              |          |         |         |
|        |                    | 1549 | NVIFEIGPTEEVGDFEVK[134]                       |          |         |         |
|        |                    | 1550 | FQPGETLTEILETPATNEQEAEHQR                     |          |         |         |
|        |                    | 1551 | SNQQLENDLNLMDIK[134]                          |          |         |         |
|        |                    | 1552 | GVLLEIEDLQANQFK[134]                          |          |         |         |
|        |                    | 1553 | TLQALQIPAAK[134]                              |          |         |         |
|        |                    | 1554 | LEGVLAEVAQHYQDTLIR                            |          |         |         |
|        |                    | 1555 | FALGISAINEAVDSGDVGR                           |          |         |         |
|        |                    | 1556 | TLINAEDPPMIVVR[162]                           |          |         |         |

|        |                                             |          |         |         |
|--------|---------------------------------------------|----------|---------|---------|
|        | 1557 GVLLEIEDLQANQFK                        |          |         |         |
|        | 1558 LAYLHSHK[134]DEVVK[134]                |          |         |         |
|        | 1559 TVLELMNPEAQLPQVYPFAADLYQK[134]         |          |         |         |
|        | 1560 HTDNVIQWLNAMDEIGLPK                    |          |         |         |
|        | 1561 YQELINDIAK[134]                        |          |         |         |
|        | 1562 EQLWLANEGLITK[134]                     |          |         |         |
|        | 1563 ALQSLALGLR                             |          |         |         |
|        | 1564 LIFQMPQNK[134]                         |          |         |         |
|        | 1565 ALQSLALGLR[162]                        |          |         |         |
|        | 1566 ATFYGEQVDYYK[134]                      |          |         |         |
| Q9WTI7 | Q9WTI7 MYO1C_MOUSE Myosin-Ic - Mus musculus | -0.56100 | 0.30112 | 41.6745 |
|        | 1567 VLQSLGSEPIQYAVPVVK                     |          |         |         |
|        | 1568 LLGVEGTTLR[162]                        |          |         |         |
|        | 1569 VLQSLGSEPIQYAVPVVK[134]                |          |         |         |
|        | 1570 MSLQLVEILR[162]                        |          |         |         |
|        | 1571 QLLTPSAVVIVEDAK[134]                   |          |         |         |
|        | 1572 LLQSNPVLEAFGNAK[134]                   |          |         |         |
|        | 1573 LLQSNPVLEAFGNAK                        |          |         |         |
|        | 1574 NPQSYLYLVK                             |          |         |         |
|        | 1575 NVLDTSWPTPPPALR[162]                   |          |         |         |
|        | 1576 LGTEEISPR[162]                         |          |         |         |
|        | 1577 LLGVEGTTLR                             |          |         |         |
|        | 1578 LGTEEISPR                              |          |         |         |
|        | 1579 QLLTPSAVVIVEDAK                        |          |         |         |
|        | 1580 C[174]PENAFFLDHVR[162]                 |          |         |         |
|        | 1581 DQAVMISGESGAGK[134]                    |          |         |         |
|        | 1582 GEELLSPLNLEQAAYAR                      |          |         |         |
|        | 1583 GEELLSPLNLEQAAYAR[162]                 |          |         |         |
|        | 1584 LLQFYAETC[174]PAPER[162]               |          |         |         |
|        | 1585 NPQSYLYLVK[134]                        |          |         |         |
|        | 1586 C[174]PENAFFLDHVR                      |          |         |         |
|        | 1587 FR[162]ENLIYTYIGPVLVSVNPYR[162]        |          |         |         |
|        | 1588 IIAKGEELLSPLNLEQAAYAR                  |          |         |         |

1589 TALSADRVNNININQGSITFAGGPGR  
1590 VGVQDFVLLNFTSEAAFIENLR[162]R[162]  
1591 YR[162]GVSFYEVPPHLFAVADTVYR[162]  
1592 HLGK[134]PEEYK[134]  
1593 LEDTVK[134]PHPHFLTHK[134]  
1594 GVSFYEVPPHLFAVADTVYR[162]  
1595 K[134]R[162]PETVATQFK[134]  
1596 QKGDVVLQSDHVIETLK  
1597 DQAVMISGESGAGKTEATKR  
1598 GDVVLQSDHVIETLK  
1599 VLQSLGSEPIQYAVPVVKYDR  
1600 QLLTPSAVVIVEDAKVK  
1601 GKKNYPQSVPR  
1602 GDVVLQSDHVIETLK[134]  
1603 DQAVMISGESGAGK[134]TEATK[134]R[162]  
1604 GAPVGGHILSYLLEK  
1605 NGHLAVVAPR[162]  
1606 VLQSLGSEPIQYAVPVVK[134]YDR[162]  
1607 KRPETVATQFK  
1608 R[162]K[134]YEAFLQR[162]  
1609 MSLLQLVEILR  
1610 LGLER[162]NPQSYLYLVK[134]  
1611 NVLDTSWPTPPPALR  
1612 LLQFYAETC[174]PAPER  
1613 YLGLMENLR[162]  
1614 K[134]YEAFLQR[162]  
1615 HLGKPEEYK  
1616 VNNININQGSITFAGGPGR[162]  
1617 ASFLLNLR[162]  
1618 YLGLMENLR  
1619 TK[134]IFIR[162]FPK[134]  
1620 NGHLAVVAPR  
1621 KKNYPQSVPR

|        |                   |                                               |          |         |         |
|--------|-------------------|-----------------------------------------------|----------|---------|---------|
|        | 1622              | TKIFIRFPK                                     |          |         |         |
|        | 1623              | LEDTVKPHPHFLTHK                               |          |         |         |
|        | 1624              | KYEAFLQR                                      |          |         |         |
|        | 1625              | SLC[174]PETWPMWAGRPQDGVAVLVR                  |          |         |         |
|        | 1626              | IIC[174]DLVEEK[134]                           |          |         |         |
|        | 1627              | ASFLNLNR[162]R[162]                           |          |         |         |
|        | 1628              | IIAK[134]GEELLSPLNLEQAAYAR[162]               |          |         |         |
|        | 1629              | TFTWLVR                                       |          |         |         |
|        | 1630              | K[134]DNYPQSVPR[162]                          |          |         |         |
|        | 1631              | HLGYK[134]PEEYK[134]MGR[162]                  |          |         |         |
| Q9QUN7 | Q9QUN7 TLR2_MOUSE | Toll-like receptor 2 precursor - Mus musculus | -0.01608 | 0.97635 | 26.9133 |
|        | 1632              | TLPDASLFPVLLVMK[134]                          |          |         |         |
|        | 1633              | TLPDASLFPVLLVMK                               |          |         |         |
|        | 1634              | GAWPSLQTLVLSQNHRL                             |          |         |         |
|        | 1635              | GSVLDESFNELLK[134]                            |          |         |         |
|        | 1636              | FQFSPLPVDEVSSPMK[134]K[134]                   |          |         |         |
|        | 1637              | GSVLDESFNELLK                                 |          |         |         |
|        | 1638              | LFDENNDAAILVLEPIER[162]                       |          |         |         |
|        | 1639              | IDFAGLTSLNELEIK                               |          |         |         |
|        | 1640              | LFDENNDAAILVLEPIER                            |          |         |         |
|        | 1641              | TVFVLSNFVR                                    |          |         |         |
|        | 1642              | IGNVETFSEIR[162]                              |          |         |         |
|        | 1643              | FQFSPLPVDEVSSPMKK                             |          |         |         |
|        | 1644              | VFLVPC[174]SFSQHLK                            |          |         |         |
|        | 1645              | IGNVETFSEIR                                   |          |         |         |
|        | 1646              | LQELYISR[162]                                 |          |         |         |
|        | 1647              | TC[174]IPQTLEVLDVSNNNLDVSFLFLPR[162]          |          |         |         |
|        | 1648              | R[162]IDFAGLTSLNELEIK[134]                    |          |         |         |
|        | 1649              | FQFSPLPVDEVSSPMK[134]                         |          |         |         |
|        | 1650              | GAWPSLQTLVLSQNHRL[162]                        |          |         |         |
|        | 1651              | LK[134]TLPDASLFPVLLVMK[134]                   |          |         |         |
|        | 1652              | FQFSPLPVDEVSSPMK                              |          |         |         |
|        | 1653              | SFTSIPSGLTAAMK[134]                           |          |         |         |

|        |                     |                                                    |         |         |         |
|--------|---------------------|----------------------------------------------------|---------|---------|---------|
|        |                     | 1654 SFTSIPSGLTAAAMK                               |         |         |         |
|        |                     | 1655 VFLVPC[174]SFSQHLLK[134]                      |         |         |         |
|        |                     | 1656 LKTLPDASLFPVLLVMK                             |         |         |         |
|        |                     | 1657 IGVVETFEIRR                                   |         |         |         |
|        |                     | 1658 TGEILLTLK[134]                                |         |         |         |
|        |                     | 1659 TGEILLTLK                                     |         |         |         |
|        |                     | 1660 SLDLSFNK[134]                                 |         |         |         |
|        |                     | 1661 IRENAVSTFSK                                   |         |         |         |
|        |                     | 1662 LQELYISR                                      |         |         |         |
| Q8CFE6 | Q8CFE6 S38A2_MOUSE  | Sodium-coupled neutral amino acid transporter      | 0.90003 | 0.09278 | 12.5    |
|        |                     | 1663 SHYADVDPENQNFLLSNLGG                          |         |         |         |
|        |                     | 1664 SHYADVDPENQNFLLSNLGG[134]                     |         |         |         |
|        |                     | 1665 SHYADVDPENQNFLLSNLGGK                         |         |         |         |
|        |                     | 1666 SHYADVDPENQNFLLSNLGG[134]K[134]               |         |         |         |
|        |                     | 1667 FNISPDEDSSSYSSNSDFNYSYPTK[134]                |         |         |         |
|        |                     | 1668 FNISPDEDSSSYSSNSDFNYSYPTK                     |         |         |         |
|        |                     | 1669 TANEGGSLLYEQLGHH                              |         |         |         |
|        |                     | 1670 TANEGGSLLYEQLGHH[134]                         |         |         |         |
| Q3UL78 | Q3UL78 Q3UL78_MOUSE | Blastocyst blastocyst cDNA, RIKEN full-length cDNA | 0.32481 | 0.54411 | 20.4082 |
|        |                     | 1671 NVFDEAILAALEPPEPK[134]                        |         |         |         |
|        |                     | 1672 NVFDEAILAALEPPEPK                             |         |         |         |
|        |                     | 1673 YVEC[174]SALTQK[134]                          |         |         |         |
|        |                     | 1674 YVEC[174]SALTQK                               |         |         |         |
|        |                     | 1675 GLK[134]NVFDEAILAALEPPEPK[134]                |         |         |         |
|        |                     | 1676 GLKNVFDEAILAALEPPEPK                          |         |         |         |
| Q6Q477 | Q6Q477 Q6Q477_MOUSE | Plasma membrane Ca++ transporting ATPase 4         | 0.53544 | 0.31731 | 1.0788  |
|        |                     | 1677 LFHNNHEVAHKPK                                 |         |         |         |
|        |                     | 1678 LFHNNHEVAHK[134]PK[134]                       |         |         |         |
|        |                     | 1679 LFHNNHEVAHKPK[134]                            |         |         |         |
| O35609 | O35609 SCAM3_MOUSE  | Secretory carrier-associated membrane protein      | 0.26883 | 0.61561 | 24.0688 |
|        |                     | 1680 AQQEFAAGVFSNPAVR                              |         |         |         |
|        |                     | 1681 AQQEFAAGVFSNPAVR[162]                         |         |         |         |
|        |                     | 1682 TAAANAAAGAAENAFR[162]AP                       |         |         |         |

|        |                    |                                           |         |         |         |
|--------|--------------------|-------------------------------------------|---------|---------|---------|
|        |                    | 1683 NYGSYSTQASAAAATAELLK[134]            |         |         |         |
|        |                    | 1684 NYGSYSTQASAAAATAELLK                 |         |         |         |
|        |                    | 1685 TAAANAAAGAAENAFR                     |         |         |         |
|        |                    | 1686 ELQHVALGGAGTR                        |         |         |         |
|        |                    | 1687 TAAANAAAGAAENAFRAP                   |         |         |         |
|        |                    | 1688 TAAANAAAGAAENAFR[162]                |         |         |         |
|        |                    | 1689 ELQHVALGGAGTR[162]                   |         |         |         |
|        |                    | 1690 NYGSYSTQASAAAATAELLK                 |         |         |         |
|        |                    | 1691 ER[162]ELQHVALGGAGTR[162]            |         |         |         |
|        |                    | 1692 ERELQHVALGGAGTR                      |         |         |         |
|        |                    | 1693 NYGSYSTQASAAAATAELLKKQEELNR          |         |         |         |
|        |                    | 1694 K[134]LSPTEPR[162]                   |         |         |         |
|        |                    | 1695 KLSPTPEPR                            |         |         |         |
| P19096 | P19096 FAS_MOUSE   | Fatty acid synthase - Mus musculus        | 0.12374 | 0.81725 | 2.2764  |
|        |                    | 1696 LLLPEDPLISGLLSQALK[134]              |         |         |         |
|        |                    | 1697 LGPVGGVFNLAMVLR[162]                 |         |         |         |
|        |                    | 1698 VHLTGINVNPNALFPPVEFPAPR[162]         |         |         |         |
|        |                    | 1699 LLLPEDPLISGLLSQALK                   |         |         |         |
|        |                    | 1700 VHLTGINVNPNALFPPVEFPAPR              |         |         |         |
| P17047 | P17047 LAMP2_MOUSE | Lysosome-associated membrane glycoprotein | 0.16691 | 0.75526 | 20.7229 |
|        |                    | 1701 AFQINTFNLK[134]                      |         |         |         |
|        |                    | 1702 VPLDVIFK[134]                        |         |         |         |
|        |                    | 1703 VPLDVIFK                             |         |         |         |
|        |                    | 1704 AFQINTFNLK                           |         |         |         |
|        |                    | 1705 NPENFK[134]VPLDVIFK[134]             |         |         |         |
|        |                    | 1706 NPENFKVPLDVIFK                       |         |         |         |
|        |                    | 1707 GVHTVK[134]NPENFK[134]               |         |         |         |
|        |                    | 1708 GVHTVKNPENFK                         |         |         |         |
|        |                    | 1709 TITIAVPDK[134]                       |         |         |         |
|        |                    | 1710 HHTGYEQF                             |         |         |         |
|        |                    | 1711 EQVLSVSR[162]                        |         |         |         |
|        |                    | 1712 GVHTVKNPENFKVPLDVIFK                 |         |         |         |
|        |                    | 1713 EQVLSVSR                             |         |         |         |

|        |                     |                                                         |          |         |         |
|--------|---------------------|---------------------------------------------------------|----------|---------|---------|
|        |                     | 1714 TITIAVPDKATHDGSSC[174]GDDRNSAK                     |          |         |         |
|        |                     | 1715 C[174]NSVLTYNLTPVVQK                               |          |         |         |
|        |                     | 1716 GVHTVK[134]NPENFK[134]VPLDVIFK[134]                |          |         |         |
| Q3UH93 | Q3UH93 Q3UH93_MOUSE | CDNA, RIKEN full-length enriched library, clone         | 0.29146  | 0.58621 | 1.6623  |
|        |                     | 1717 LLVGATYTGFGSAFFPR[162]                             |          |         |         |
|        |                     | 1718 LFTFDLNPSSDNILK[134]                               |          |         |         |
|        |                     | 1719 LFTFDLNPSSDNILK                                    |          |         |         |
| Q80Y35 | Q80Y35 Q80Y35_MOUSE | Nuclear mitotic apparatus protein 1 - Mus mus           | -0.19578 | 0.71820 | 2.7221  |
|        |                     | 1720 ELGHNQAASASAQR                                     |          |         |         |
|        |                     | 1721 GQAQADLAQEK[134]                                   |          |         |         |
|        |                     | 1722 ELGHNQAASASAQR[162]                                |          |         |         |
|        |                     | 1723 AGEQQETASLELLKEPPR                                 |          |         |         |
|        |                     | 1724 TELK[134]ELQQTLEQLK[134]                           |          |         |         |
| Q3UH76 | Q3UH76 Q3UH76_MOUSE | 14 days pregnant adult female placenta cDNA,            | -0.44192 | 0.41533 | 37.0793 |
|        |                     | 1725 R[162]PIVEQALYQFSNLLNSK[134]                       |          |         |         |
|        |                     | 1726 DGLVATAVLHR[162]                                   |          |         |         |
|        |                     | 1727 LSVSPLPTLTEDDELLC[174]LFGDSPPHPAR                  |          |         |         |
|        |                     | 1728 LSVSPLPTLTEDDELLC[174]LFGDSPPHPAR[162]             |          |         |         |
|        |                     | 1729 LGHSPPHVQFTYQQPQPLSVEPR[162]                       |          |         |         |
|        |                     | 1730 AMTLEEAFAFVGAER[162]                               |          |         |         |
|        |                     | 1731 ITVAGQNC[174]AFEPR[162]                            |          |         |         |
|        |                     | 1732 VYLAPDG TSAEYGSIPVDINK[134]K[134]                  |          |         |         |
|        |                     | 1733 EAFEAYS DHTTFK[134]                                |          |         |         |
|        |                     | 1734 VTLNDVPC[174]EVTk[134]                             |          |         |         |
|        |                     | 1735 ALYAVFSR[162]                                      |          |         |         |
|        |                     | 1736 C[174]TPPIEASQC[174]HEAVLTDNFNQLLLDPPGK[134]R[162] |          |         |         |
|        |                     | 1737 SFVASNDER[162]                                     |          |         |         |
|        |                     | 1738 DGLVATAVLHR                                        |          |         |         |
|        |                     | 1739 VPSPGISFTYC[174]ENPMIR[162]                        |          |         |         |
|        |                     | 1740 EAFEAYS DHTTFK                                     |          |         |         |
|        |                     | 1741 STGGPGAGLC[174]VFPLDK[134]                         |          |         |         |
|        |                     | 1742 VATVGLVTSTRPDGER                                   |          |         |         |
|        |                     | 1743 STGGPGAGLC[174]VFPLDK                              |          |         |         |

1744 VTLNDVPC[174]EVTK  
1745 ALYAVFSR  
1746 SFVASNDER  
1747 STGGPGAGLC[174]VFPLDK[134]VR[162]  
1748 VATVGLVTSTR[162]PDGER[162]  
1749 FAMVVIAEPLR  
1750 ITVAGQNC[174]AFEPR  
1751 SGSVFLTSHQYPFYDC[174]R  
1752 FAMVVIAEPLR[162]  
1753 EASPNPEEGIIR[162]  
1754 LVEC[174]GSLFK[134]  
1755 EASPNPEEGIIR  
1756 VYLAPDG TSAEYGSIPVDINKK  
1757 EAMSLVENLPC[174]ISC[174]ASNR[162]  
1758 SGSVFLTSHQYPFYDC[174]R[162]  
1759 VPSPGISFTYC[174]ENPMIR  
1760 STGGPGAGLC[174]VFPLDKVR  
1761 SDC[174]SLC[174]LAADPAYR[162]  
1762 K[134]ITVAGQNC[174]AFEPR[162]  
1763 SDC[174]SLC[174]LAADPAYR  
1764 LFYEDGSGEK[134]  
1765 LFYEDGSGEK  
1766 LVEC[174]GSLFK  
1767 KITVAGQNC[174]AFEPR  
1768 LFYEDGSGEK[134]SFVASNDER[162]  
1769 LGHSPPHVQFTYQQPQPLSVEPR  
1770 LFYEDGSGEKS FVASNDER  
1771 AFEPLR[162]SFVSGGR[162]  
1772 GNGPHDNGIIVSTR[162]  
1773 LLDRAEGREAFEAYS DHTTFK  
1774 AFEPLRSFVSGGR  
1775 AEETGHWLWSR[162]  
1776 LQQIAAALENK[134]VTDL



1777 SFLINFIHTLENQR[162]  
1778 VGVSQQPEDSQQDLPGER  
1779 VGVSQQPEDSQQDLPGER[162]  
1780 YYDEIINALEEDPAAQK  
1781 YYDEIINALEEDPAAQK[134]  
1782 AHTDSLNTLVALHQLYQYTQK  
1783 HQVEK[134]GPVDAVQK[134]  
1784 QMVQVSDQDMNTHLAEISR[162]  
1785 RPIVEQALYQFSNLLNSK  
1786 AIKHQVEKGPVDAVQK  
1787 GTLQQFVDNFFQSVLAPGHAVPPAVK[134]  
1788 DTAHNLPEFIVK[134]  
1789 INTLMHYNVR  
1790 HQVEKGPVDAVQK  
1791 LQQIAAALENKVTDL  
1792 QMVQVSDQDMNTHLAEISR  
1793 LQQIAAALENK[134]  
1794 SFLINFIHTLENQR  
1795 YFFDFLDEQAEK[134]  
1796 YFFDFLDEQAEK  
1797 INTLMHYNVR[162]  
1798 VLNC[174]DTISQVK[134]  
1799 DTAHNLPEFIVK  
1800 VLNC[174]DTISQVK  
1801 SQLEGLEESVR  
1802 LQQIAAALENK  
1803 DGATLILSK[134]  
1804 AITEIYLTR  
1805 AITEIYLTR[162]  
1806 HQVEKGPVDAVQKK  
1807 HALLEEENR  
1808 SQLEGLEESVR[162]  
1809 HQVEK[134]GPVDAVQK[134]K[134]

|        |                   |                                           |          |         |         |
|--------|-------------------|-------------------------------------------|----------|---------|---------|
|        |                   | 1810 HALLEENR[162]                        |          |         |         |
|        |                   | 1811 AIK[134]HQVEK[134]GPVDAVQK[134]      |          |         |         |
|        |                   | 1812 DGATLILSK                            |          |         |         |
|        |                   | 1813 TK[134]AITEIYLTR[162]                |          |         |         |
|        |                   | 1814 VFFLPSKDGDKDVMITGK                   |          |         |         |
|        |                   | 1815 TKAITEIYLTR                          |          |         |         |
|        |                   | 1816 VLNC[174]DTISQVKEK                   |          |         |         |
|        |                   | 1817 VLNC[174]DTISQVK[134]EK[134]         |          |         |         |
|        |                   | 1818 VFFLPSK[134]                         |          |         |         |
|        |                   | 1819 MQLAFR                               |          |         |         |
|        |                   | 1820 MQLAFR[162]                          |          |         |         |
|        |                   | 1821 IIDQVYR[162]                         |          |         |         |
|        |                   | 1822 VFFLPSK                              |          |         |         |
|        |                   | 1823 LDIPESR[162]                         |          |         |         |
|        |                   | 1824 TLTETDLYC[174]EPPEVQPPPK[134]        |          |         |         |
|        |                   | 1825 TLTETDLYC[174]EPPEVQPPPK             |          |         |         |
|        |                   | 1826 AMTLEEAFAFVGAER                      |          |         |         |
| P26041 | P26041 MOES_MOUSE | Moesin - Mus musculus                     | -0.32469 | 0.54953 | 54.5927 |
|        |                   | 1827 IAQDLEMYGVNYFSIK[134]                |          |         |         |
|        |                   | 1828 K[134]TQEQLASEMAELTAR[162]           |          |         |         |
|        |                   | 1829 ISQLEMAR[162]                        |          |         |         |
|        |                   | 1830 DQKKTQEQLASEMAELTAR                  |          |         |         |
|        |                   | 1831 EGILNDDIYC[174]PPETAVLLASYAVQSK      |          |         |         |
|        |                   | 1832 ERQEAEAKEALLQASR                     |          |         |         |
|        |                   | 1833 KTANDMIHAENMR                        |          |         |         |
|        |                   | 1834 KGSELWLGVDALGLNIYEQNDRITPK           |          |         |         |
|        |                   | 1835 EGILNDDIYC[174]PPETAVLLASYAVQSK[134] |          |         |         |
|        |                   | 1836 IQVWHEEHR[162]                       |          |         |         |
|        |                   | 1837 KAQQELEEQTR                          |          |         |         |
|        |                   | 1838 K[134]TANDMIHAENMR[162]              |          |         |         |
|        |                   | 1839 IQVWHEEHR                            |          |         |         |
|        |                   | 1840 K[134]AQQELEEQTR[162]                |          |         |         |
|        |                   | 1841 QEAEFAK[134]EALLQASR[162]            |          |         |         |

1842 GSELWLGVDALGLNIYEQNDRLTPK  
1843 KAQQELEEQTRR  
1844 AKFYPEDVSEELIQDITQR  
1845 LNKDQWEER  
1846 SGYLAGDK[134]LLPQR[162]  
1847 GSELWLGVDALGLNIYEQNDR[162]LTPK[134]  
1848 LNK[134]DQWEER[162]  
1849 SEEERTTEAEKNER  
1850 QEAEAEAKEALLQASR  
1851 ILALC[174]MGNHELYMR  
1852 K[134]AQQELEEQR[162]R[162]  
1853 TANDMIHAENMR  
1854 AQMVQEDLEK[134]TR[162]  
1855 YGDFNKEVHK  
1856 AK[134]FYPEDVSEELIQDITQR[162]  
1857 ALTSELANARDESK  
1858 TQEQLASEMAELTAR[162]  
1859 ALTSELANAR[162]DESK[134]  
1860 ILALC[174]MGNHELYMR[162]  
1861 ALTSELANARDESKK  
1862 AQMVQEDLEKTRAELK  
1863 GMLR[162]EDAVLEYLK[134]  
1864 YGDFNK[134]EVHK[134]  
1865 KKESEAVEWQQK  
1866 K[134]K[134]ESEAVEWQQK[134]  
1867 R[162]ALELEQER[162]  
1868 ALTSELANAR[162]DESK[134]K[134]  
1869 TANDMIHAENMR[162]  
1870 VLEQHKLNKDQWEER  
1871 IAQDLEMYGVNYFSIK  
1872 EVWFFGLQYQDTK[134]  
1873 FYPEDVSEELIQDITQR  
1874 KTQEQLASEMAELTAR

|        |                     |                                                 |          |         |         |
|--------|---------------------|-------------------------------------------------|----------|---------|---------|
|        |                     | 1875 FYPEDVSEELIQDITQR[162]                     |          |         |         |
|        |                     | 1876 EVWFFGLQYQDTK                              |          |         |         |
|        |                     | 1877 AQMVQEDLEK[134]                            |          |         |         |
|        |                     | 1878 AQQELEEQTR                                 |          |         |         |
|        |                     | 1879 ALTSELANAR[162]                            |          |         |         |
|        |                     | 1880 ALTSELANAR                                 |          |         |         |
|        |                     | 1881 AQMVQEDLEK                                 |          |         |         |
|        |                     | 1882 GMLREDAVLEYLK                              |          |         |         |
|        |                     | 1883 RALELEQER                                  |          |         |         |
|        |                     | 1884 K[134]ESPLLFK[134]                         |          |         |         |
|        |                     | 1885 SGYLAGDKLLPQR                              |          |         |         |
|        |                     | 1886 ISQLEMAR                                   |          |         |         |
|        |                     | 1887 AQQELEEQTR[162]R[162]                      |          |         |         |
|        |                     | 1888 ALELEQER[162]                              |          |         |         |
|        |                     | 1889 AQQELEEQTR[162]                            |          |         |         |
|        |                     | 1890 ALELEQER                                   |          |         |         |
| Q6DIC7 | Q6DIC7 Q6DIC7_MOUSE | Phosphatidylinositol 4-kinase, catalytic, alpha | 0.31738  | 0.55335 | 2.7397  |
|        |                     | 1891 ASSSAGNLGVLPVIAVLTR[162]                   |          |         |         |
|        |                     | 1892 ASSSAGNLGVLPVIAVLTR                        |          |         |         |
|        |                     | 1893 TSSVSSISQVSPER                             |          |         |         |
|        |                     | 1894 SPLLTFPSK[134]EPLR[162]                    |          |         |         |
|        |                     | 1895 IPEELEGVR[162]                             |          |         |         |
|        |                     | 1896 IPEELEGVR                                  |          |         |         |
| Q3TH77 | Q3TH77 Q3TH77_MOUSE | 17 days pregnant adult female amnion cDNA, l    | -0.18345 | 0.73526 | 4.7043  |
|        |                     | 1897 LSQLEDQATR[162]                            |          |         |         |
|        |                     | 1898 DNAQTSVTQAAQKEK[134]                       |          |         |         |
|        |                     | 1899 LATDNTQLQTR[162]                           |          |         |         |
| P26040 | P26040 EZRI_MOUSE   | Ezrin - Mus musculus                            | -0.35193 | 0.51655 | 29.5222 |
|        |                     | 1900 IGFPWSEIR[162]                             |          |         |         |
|        |                     | 1901 LFFLQVK[134]                               |          |         |         |
|        |                     | 1902 IGFPWSEIR                                  |          |         |         |
|        |                     | 1903 QAQDQIKSQEQLAAELAEYTAK                     |          |         |         |
|        |                     | 1904 QAQDQIK[134]SQEQLAAELAEYTAK[134]           |          |         |         |

|        |                    |                                                 |         |         |         |
|--------|--------------------|-------------------------------------------------|---------|---------|---------|
|        |                    | 1905 R[162]K[134]PDTIEVQQMK[134]                |         |         |         |
|        |                    | 1906 THNDIIHNENMR[162]                          |         |         |         |
|        |                    | 1907 K[134]APDFVIFYAPR[162]                     |         |         |         |
|        |                    | 1908 R[162]AEK[134]ELSEQIEK[134]                |         |         |         |
|        |                    | 1909 ETVER[162]EK[134]EQMLR[162]                |         |         |         |
|        |                    | 1910 IALLEEAR[162]R[162]                        |         |         |         |
|        |                    | 1911 IALLEEAR                                   |         |         |         |
|        |                    | 1912 APDFVIFYAPR[162]                           |         |         |         |
|        |                    | 1913 SQEQLAAELAEYTAK                            |         |         |         |
|        |                    | 1914 SQEQLAAELAEYTAK[134]                       |         |         |         |
|        |                    | 1915 RKPDTIEVQQMK                               |         |         |         |
|        |                    | 1916 APDFVIFYAPR                                |         |         |         |
|        |                    | 1917 IAQDLEMYGINYFEIK[134]                      |         |         |         |
|        |                    | 1918 VTTMDAELEFAIQPNTTGK                        |         |         |         |
|        |                    | 1919 SGYLSER[162]                               |         |         |         |
|        |                    | 1920 RAEKELSEQIEK                               |         |         |         |
|        |                    | 1921 NISFNDK[134]K[134]                         |         |         |         |
|        |                    | 1922 QLFDQVVK[134]                              |         |         |         |
|        |                    | 1923 QLFDQVVK                                   |         |         |         |
|        |                    | 1924 VTTMDAELEFAIQPNTTGK[134]                   |         |         |         |
|        |                    | 1925 KAPDFVIFYAPR                               |         |         |         |
|        |                    | 1926 FVIK[134]PIDK[134]K[134]                   |         |         |         |
|        |                    | 1927 FVIKPIDK                                   |         |         |         |
|        |                    | 1928 FVIKPIDKK                                  |         |         |         |
| Q3UNM2 | Q3UNM2 Q3UNM2_MOUS | CDNA, RIKEN full-length enriched library, clone | 0.06319 | 0.90605 | 4.1835  |
|        |                    | 1929 VSSETHQGPGTPESK[134]                       |         |         |         |
|        |                    | 1930 IATTTTGTATVATTPR[162]                      |         |         |         |
|        |                    | 1931 VSSETHQGPGTPESK                            |         |         |         |
| Q9QZC2 | Q9QZC2 PLXC1_MOUSE | Plexin-C1 precursor - Mus musculus              | 0.43877 | 0.41253 | 17.1537 |
|        |                    | 1932 DLPPLSSLEMEEFQTQESK                        |         |         |         |
|        |                    | 1933 ETVGEPFYLLVTTLNQK                          |         |         |         |
|        |                    | 1934 ETVGEPFYLLVTTLNQK[134]                     |         |         |         |
|        |                    | 1935 SFLVTVIHTLEK                               |         |         |         |

1936 SFLVTVIHTLEK[134]  
 1937 TVLFLGTGDGQLLK[134]  
 1938 KQSQQLELLESELRK  
 1939 YFFDFLDAQAENK  
 1940 SEQAIGAIAASR[162]  
 1941 YFFDFLDAQAENKK  
 1942 SEQAIGAIAASR  
 1943 TVLFLGTGDGQLLK  
 1944 NQELC[174]QVAVEK  
 1945 YFDEILNK[134]LER[162]  
 1946 MSEIQAHAR[162]  
 1947 SPATTALC[174]LFR[162]  
 1948 MSEIQAHAR  
 1949 NQDLTTILC[174]K[134]  
 1950 C[174]NPAASDRDTAIALK  
 1951 C[174]NPAASDR[162]DTAIALK[134]  
 1952 TFFPESGGFTHIFTEDMHNR  
 1953 SPATTALC[174]LFR  
 1954 SLATQELGR[162]  
 1955 SLATQELGR  
 1956 EGATGLEGLLLTGWTFDR  
 1957 EGATGLEGLLLTGWTFDR[162]  
 1958 VFQAFLSK[134]  
 1959 NQDLTTILC[174]K  
 1960 IAQSTEVLFFQGQAALDC[174]DHGHPEGR  
 1961 TDGAVQVFYIK[134]  
 1962 TDGAVQVFYIK  
 1963 YFDEILNKLER  
 1964 VFQAFLSK  
 1965 NPQFVFDIK  
 1966 NLPIYSEEIVEMYK[134]  
 1967 IMGIPEDQMGLLR[162]

|        |                   |                         |         |         |        |
|--------|-------------------|-------------------------|---------|---------|--------|
| Q8VDD5 | Q8VDD5 MYH9_MOUSE | Myosin-9 - Mus musculus | 0.21931 | 0.68211 | 4.7449 |
|--------|-------------------|-------------------------|---------|---------|--------|

|        |                   |                                              |         |         |         |
|--------|-------------------|----------------------------------------------|---------|---------|---------|
|        |                   | 1968 IIGLDQVAGMSETALPGAFK[134]               |         |         |         |
|        |                   | 1969 LQVELDSVTGLLSQSDSK                      |         |         |         |
|        |                   | 1970 HSQAVEELADQLEQTK[134]R[162]             |         |         |         |
|        |                   | 1971 VK[134]VNK[134]DDIQK[134]               |         |         |         |
| P12265 | P12265 BGLR_MOUSE | Beta-glucuronidase precursor - Mus musculus  | 0.78083 | 0.14476 | 35.4938 |
|        |                   | 1972 AVLENYHSVLDQK[134]                      |         |         |         |
|        |                   | 1973 ALDLTR[162]PVTFVSNAK[134]               |         |         |         |
|        |                   | 1974 HHLEVMEELVR[162]                        |         |         |         |
|        |                   | 1975 ALDLTRPVTFVSNAK                         |         |         |         |
|        |                   | 1976 AVLENYHSVLDQK                           |         |         |         |
|        |                   | 1977 VTTTESVTDYYTLPVGIR[162]                 |         |         |         |
|        |                   | 1978 WLGANSFR[162]                           |         |         |         |
|        |                   | 1979 GYFVQDTSFDFNYAGLHR[162]                 |         |         |         |
|        |                   | 1980 GYFVQDTSFDFNYAGLHR                      |         |         |         |
|        |                   | 1981 GFDWPLLVK[134]                          |         |         |         |
|        |                   | 1982 THQKPIIQSEYGADAIPGIHEDPPR               |         |         |         |
|        |                   | 1983 MFSEELYQK[134]                          |         |         |         |
|        |                   | 1984 MFSEELYQK                               |         |         |         |
|        |                   | 1985 TDTSMYPK[134]                           |         |         |         |
|        |                   | 1986 HHLEVMEELVR                             |         |         |         |
|        |                   | 1987 THQK[134]PIIQSEYGADAIPGIHEDPPR[162]     |         |         |         |
|        |                   | 1988 LQGFEQQWYR[162]                         |         |         |         |
|        |                   | 1989 DFIGWVWYER[162]                         |         |         |         |
|        |                   | 1990 VTTTESVTDYYTLPVGIR                      |         |         |         |
|        |                   | 1991 LQGFEQQWYR                              |         |         |         |
|        |                   | 1992 ALDGLWHFR[162]                          |         |         |         |
|        |                   | 1993 DFIGWVWYER                              |         |         |         |
|        |                   | 1994 ESGPVLDMPVPSSFNDITQEAAALR[162]          |         |         |         |
|        |                   | 1995 QPLR[162]ESGPVLDMPVPSSFNDITQEAAALR[162] |         |         |         |
|        |                   | 1996 R[162]WTQDQDMR[162]                     |         |         |         |
|        |                   | 1997 WLGANSFR                                |         |         |         |
|        |                   | 1998 GFDWPLLVK                               |         |         |         |
|        |                   | 1999 TDTSMYPK                                |         |         |         |

|        |                   |                                               |          |         |         |
|--------|-------------------|-----------------------------------------------|----------|---------|---------|
|        |                   | 2000 GK[134]GFDWPLLVK[134]                    |          |         |         |
|        |                   | 2001 DKNHPAVVMWSVANEPSSALKPAAYYFK             |          |         |         |
|        |                   | 2002 ALDGLWHFR                                |          |         |         |
| Q91YQ5 | Q91YQ5 RIB1_MOUSE | Dolichyl-diphosphooligosaccharide--protein gl | -0.28473 | 0.59971 | 45.7237 |
|        |                   | 2003 ASSFVLALEPELESR[162]                     |          |         |         |
|        |                   | 2004 FVDHVFDEQVIDSLTVK[134]                   |          |         |         |
|        |                   | 2005 NLVEQHIQDIVVHYTFNK                       |          |         |         |
|        |                   | 2006 SLETEHKAVTSEIAVLQSR                      |          |         |         |
|        |                   | 2007 YDYQRQPDSGISSIR                          |          |         |         |
|        |                   | 2008 YDYQR[162]QPDSGISSIR[162]                |          |         |         |
|        |                   | 2009 APDELHYTYLDTFGRPVIVAYKK                  |          |         |         |
|        |                   | 2010 VTAEVVLVHPGGGSTSR                        |          |         |         |
|        |                   | 2011 VHYENNSPFLTITSMTR[162]                   |          |         |         |
|        |                   | 2012 VHYENNSPFLTITSMTR                        |          |         |         |
|        |                   | 2013 SLETEHK[134]AVTSEIAVLQSR[162]            |          |         |         |
|        |                   | 2014 VTAEVVLVHPGGGSTSR[162]                   |          |         |         |
|        |                   | 2015 ASSFVLALEPELESR                          |          |         |         |
|        |                   | 2016 MK[134]VAC[174]ITEQVLTLVNK[134]R[162]    |          |         |         |
|        |                   | 2017 VAC[174]ITEQVLTLVNK[134]R[162]           |          |         |         |
|        |                   | 2018 NIQVDSPYDISR[162]                        |          |         |         |
|        |                   | 2019 TVDLSSHLAK[134]                          |          |         |         |
|        |                   | 2020 FFTVK[134]LPVALDPGSK[134]                |          |         |         |
|        |                   | 2021 NIQVDSPYDISR                             |          |         |         |
|        |                   | 2022 VAC[174]ITEQVLTLVNKR                     |          |         |         |
|        |                   | 2023 AVTSEIAVLQSR[162]                        |          |         |         |
|        |                   | 2024 SEDVLDYGPFK[134]                         |          |         |         |
|        |                   | 2025 LPVALDPGSK[134]                          |          |         |         |
|        |                   | 2026 FFTVKLPVALDPGSK                          |          |         |         |
|        |                   | 2027 IDHILDAL                                 |          |         |         |
|        |                   | 2028 TVDLSSHLAK                               |          |         |         |
|        |                   | 2029 HFDETVNR[162]                            |          |         |         |
|        |                   | 2030 QFVVFEGNHYFYSPYPTK                       |          |         |         |
|        |                   | 2031 QFVVFEGNHYFYSPYPTK[134]                  |          |         |         |



|        |                    |                                           |          |         |        |
|--------|--------------------|-------------------------------------------|----------|---------|--------|
|        |                    | 2032 SEDVLDYGPFKDIPAYSQDTFK               |          |         |        |
|        |                    | 2033 SAVEAER[162]LVAGK[134]               |          |         |        |
|        |                    | 2034 HFDETVNR[162]YK[134]                 |          |         |        |
|        |                    | 2035 AVTSEIAVLQSR                         |          |         |        |
|        |                    | 2036 MKVAC[174]ITEQVLTLVNKR               |          |         |        |
|        |                    | 2037 SAVEAERLVAGK                         |          |         |        |
|        |                    | 2038 SEDVLDYGPFK[134]DIPAYSQDTFK[134]     |          |         |        |
|        |                    | 2039 DTYLENEK[134]LSSGK[134]              |          |         |        |
|        |                    | 2040 DTYLENEKLSSGK                        |          |         |        |
| Q8BH24 | Q8BH24 TM9S4_MOUSE | Transmembrane 9 superfamily member 4 - Mu | 0.03283  | 0.95112 | 9.4868 |
|        |                    | 2041 IVNTPFQVLMNSEK                       |          |         |        |
|        |                    | 2042 ITEEYVHLIADNLPVATR                   |          |         |        |
|        |                    | 2043 TQLPYEYSLPFC[174]QPIK                |          |         |        |
|        |                    | 2044 IVNTPFQVLMNSEK[134]                  |          |         |        |
|        |                    | 2045 TQLPYEYSLPFC[174]QPIK[134]           |          |         |        |
|        |                    | 2046 EK[134]DVQFEHGYR[162]                |          |         |        |
|        |                    | 2047 EKDVQFEHGYR                          |          |         |        |
| P68369 | P68369 TBA1A_MOUSE | Tubulin alpha-1A chain - Mus musculus     | -0.38665 | 0.47604 | 51.663 |
|        |                    | 2048 AVFVDLEPTVIDEVR[162]                 |          |         |        |
|        |                    | 2049 TIGGGDDSFNTFFSETGAGK                 |          |         |        |
|        |                    | 2050 TIGGGDDSFNTFFSETGAGK[134]            |          |         |        |
|        |                    | 2051 AVFVDLEPTVIDEVR                      |          |         |        |
|        |                    | 2052 IHFPLATYAPVISA EK[134]               |          |         |        |
|        |                    | 2053 VGINYQPPTVVPGGDLAK                   |          |         |        |
|        |                    | 2054 VGINYQPPTVVPGGDLAK[134]              |          |         |        |
|        |                    | 2055 TIQFVDWC[174]PTGFK[134]              |          |         |        |
|        |                    | 2056 TIGGGDDSFNTFFSETGAGKHVPR             |          |         |        |
|        |                    | 2057 QLFHPEQLITGK[134]EDAANNYAR[162]      |          |         |        |
|        |                    | 2058 QLFHPEQLITGKEDAANNYAR                |          |         |        |
|        |                    | 2059 TIGGGDDSFNTFFSETGAGK[134]HVPR[162]   |          |         |        |
|        |                    | 2060 AVC[174]MLSNTTAIAEAWAR[162]          |          |         |        |
|        |                    | 2061 IHFPLATYAPVISA EK                    |          |         |        |
|        |                    | 2062 TIQFVDWC[174]PTGFK                   |          |         |        |

|        |                   |                                          |         |         |         |
|--------|-------------------|------------------------------------------|---------|---------|---------|
|        |                   | 2063 DVNAAIATIK[134]                     |         |         |         |
|        |                   | 2064 QLFHPEQLITGK[134]                   |         |         |         |
|        |                   | 2065 LSVDYGKK                            |         |         |         |
|        |                   | 2066 LSVDYGK[134]K[134]                  |         |         |         |
|        |                   | 2067 AVC[174]MLSNTTAIAEAWAR              |         |         |         |
|        |                   | 2068 FDGALNVDLTEFQTNLVPYPR               |         |         |         |
|        |                   | 2069 FDGALNVDLTEFQTNLVPYPR[162]          |         |         |         |
|        |                   | 2070 DVNAAIATIK                          |         |         |         |
|        |                   | 2071 AYHEQLSVAEITNAC[174]FEPANQMVK[134]  |         |         |         |
|        |                   | 2072 GHYTIGK[134]EIIDLVLDR[162]          |         |         |         |
|        |                   | 2073 LDHK[134]FDLMYAK[134]               |         |         |         |
|        |                   | 2074 LDHKFDLMYAK                         |         |         |         |
|        |                   | 2075 NLDIERPTYTNLNR                      |         |         |         |
|        |                   | 2076 NLDIER[162]PTYTNLNR[162]            |         |         |         |
|        |                   | 2077 AVFVDLEPTVIDEVRTGTyr                |         |         |         |
| P97333 | P97333 NRP1_MOUSE | Neuropilin-1 precursor - Mus musculus    | 1.64430 | 0.00213 | 21.9935 |
|        |                   | 2078 IAPSPVVSSGPFLFIK                    |         |         |         |
|        |                   | 2079 AIIFQGNTNPTDVVLGVFSKPLITR           |         |         |         |
|        |                   | 2080 SSSGVLSMVFYTDSIAIAK                 |         |         |         |
|        |                   | 2081 TGPIQDHTGDGNFIYSQADENQK             |         |         |         |
|        |                   | 2082 NLSALENYNFELVDGVK                   |         |         |         |
|        |                   | 2083 SFEGNNNYDTPELR                      |         |         |         |
|        |                   | 2084 FVTAVGTQGAISK                       |         |         |         |
|        |                   | 2085 DKLN PQSNYSEA                       |         |         |         |
|        |                   | 2086 SSSGVLSMVFYTDSIAIAK[134]            |         |         |         |
|        |                   | 2087 SFEGNNNYDTPELR[162]                 |         |         |         |
|        |                   | 2088 C[174]EWLIQAPEPYQR[162]             |         |         |         |
|        |                   | 2089 C[174]EWLIQAPEPYQR                  |         |         |         |
|        |                   | 2090 IAPSPVVSSGPFLFIK[134]               |         |         |         |
|        |                   | 2091 NLSALENYNFELVDGVK[134]              |         |         |         |
|        |                   | 2092 AIIFQGNTNPTDVVLGVFSK[134]PLITR[162] |         |         |         |
|        |                   | 2093 FVTAVGTQGAISK[134]                  |         |         |         |
|        |                   | 2094 DK[134]LN PQSNYSEA                  |         |         |         |

|        |                    |      |                                           |          |         |         |
|--------|--------------------|------|-------------------------------------------|----------|---------|---------|
|        |                    | 2095 | TGPIQDHTGDGNFIYSQADENQK[134]              |          |         |         |
|        |                    | 2096 | GNLGGIAVDDISINNHISQEDC[174]AKPTDLDDK      |          |         |         |
|        |                    | 2097 | IENPGYLTSPGYPHSYHPSEK                     |          |         |         |
| P11438 | P11438 LAMP1_MOUSE |      | Lysosome-associated membrane glycoprotein | -0.29489 | 0.58676 | 20.6897 |
|        |                    | 2098 | ALQATVGNSYK                               |          |         |         |
|        |                    | 2099 | C[174]NTEEHIFVSK[134]                     |          |         |         |
|        |                    | 2100 | MLSLNVFSVQVQAFK[134]                      |          |         |         |
|        |                    | 2101 | ALQATVGNSYK[134]                          |          |         |         |
|        |                    | 2102 | C[174]NTEEHIFVSK                          |          |         |         |
|        |                    | 2103 | SHAGYQTI                                  |          |         |         |
|        |                    | 2104 | EIYTMDSSTTDIK[134]                        |          |         |         |
|        |                    | 2105 | EIYTMDSSTTDIK                             |          |         |         |
|        |                    | 2106 | EIYTMDSSTTDIKADINK                        |          |         |         |
|        |                    | 2107 | EIYTMDSSTTDIK[134]ADINK[134]              |          |         |         |
|        |                    | 2108 | ENVSDPSLTITFGR[162]                       |          |         |         |
|        |                    | 2109 | MLSLNVFSVQVQAFK                           |          |         |         |
|        |                    | 2110 | MLSLNVFSVQVQAFKVDSR                       |          |         |         |
|        |                    | 2111 | MLSLNVFSVQVQAFK[134]VDSR[162]             |          |         |         |
|        |                    | 2112 | EIYTMDSSTTDIKADINKAYR                     |          |         |         |
|        |                    | 2113 | EIYTMDSSTTDIK[134]ADINK[134]AYR[162]      |          |         |         |
| P05555 | P05555 ITAM_MOUSE  |      | Integrin alpha-M precursor - Mus musculus | -0.34572 | 0.52397 | 35.9931 |
|        |                    | 2114 | LILPDC[174]VDDSVSPIILR[162]               |          |         |         |
|        |                    | 2115 | FFTAMFPFEK[134]                           |          |         |         |
|        |                    | 2116 | FFTAMFPFEK                                |          |         |         |
|        |                    | 2117 | YVIGVGNAFNKPQSR                           |          |         |         |
|        |                    | 2118 | VIQHQQFNNLGQR[162]                        |          |         |         |
|        |                    | 2119 | LILPDC[174]VDDSVSPIILR                    |          |         |         |
|        |                    | 2120 | VSDMNDAYLGASAVILR                         |          |         |         |
|        |                    | 2121 | YVIGVGNAFNK[134]PQSR[162]                 |          |         |         |
|        |                    | 2122 | ILVVITDGEKFGDPLDYKDVPEADR                 |          |         |         |
|        |                    | 2123 | MKEFVSTVMEQFKK                            |          |         |         |
|        |                    | 2124 | SFGNLR[162]PVLAMDAQR[162]                 |          |         |         |
|        |                    | 2125 | SFGNLRPVLAMDAQR                           |          |         |         |

2126 VIQHQQFNNLGQR  
2127 IIGAHFSPGLQYFGQSLSGGK[134]  
2128 MK[134]EFVSTVMEQFK[134]K[134]  
2129 GGQVSVC[174]PLPR[162]  
2130 TLFSLMQYSDEFR[162]  
2131 ENFGTWEPHTSIK[134]  
2132 SVFAC[174]QEQVLK  
2133 TLFSLMQYSDEFR  
2134 VQSLVLGAPR  
2135 YAIYMIVTSESSIR  
2136 DSASQNPLTK[134]  
2137 GGQVSVC[174]PLPR  
2138 VQSLVLGAPR[162]  
2139 DSASQNPLTK  
2140 LEATMEFSPK  
2141 ILVVITDGEK[134]  
2142 FGDPLDYK[134]DVIPEADR[162]  
2143 FQLELPVK[134]  
2144 TQVFGLMQK[134]  
2145 YAIYMIVTSESSIR[162]  
2146 NR[162]VQSLVLGAPR[162]  
2147 FGDPLDYKDVIPEADR  
2148 LEATMEFSPK[134]  
2149 ILVVITDGEK  
2150 NRVQSLVLGAPR  
2151 TK[134]FQLELPVK[134]  
2152 FQLELPVK  
2153 TKFQLELPVK  
2154 NDGEDSYGTQVTVYYPSGLSYR  
2155 NDGEDSYGTQVTVYYPSGLSYR[162]  
2156 QYKMMNEAAPQDAPPQ  
2157 SVFAC[174]QEQVLK[134]  
2158 VDSMDNDAYLGASAVILR[162]

|        |                     |                                                  |         |         |         |
|--------|---------------------|--------------------------------------------------|---------|---------|---------|
|        |                     | 2159 ENTYVNGLC[174]YLFGSNLLRPPQQFPEALR           |         |         |         |
|        |                     | 2160 ENTYVNGLC[174]YLFGSNLLR[162]PPQQFPEALR[162] |         |         |         |
|        |                     | 2161 KPWFVKPAESSSSSEGHGALK                       |         |         |         |
|        |                     | 2162 K[134]PWFBVK[134]PAESSSSSEGHGALK[134]       |         |         |         |
|        |                     | 2163 SKTLFSLMQYSDEFR                             |         |         |         |
|        |                     | 2164 WQC[174]EALLHGDQGHWPGR[162]                 |         |         |         |
|        |                     | 2165 FGDPLDYKDVIPEADRAGVIR                       |         |         |         |
|        |                     | 2166 FGDPLDYK[134]DVIPEADR[162]AGVIR[162]        |         |         |         |
|        |                     | 2167 IHFTFNDFKR                                  |         |         |         |
|        |                     | 2168 IHFTFNDFK[134]R[162]                        |         |         |         |
|        |                     | 2169 IGAHFSPGLQYFGQSLSGGK                        |         |         |         |
|        |                     | 2170 SPPHSNFR[162]DQLER[162]                     |         |         |         |
|        |                     | 2171 YQHIGLVVMFR                                 |         |         |         |
|        |                     | 2172 ENFGTWEPHTSIK                               |         |         |         |
|        |                     | 2173 YQHIGLVVMFR[162]                            |         |         |         |
|        |                     | 2174 R[162]TQVFGLMQK[134]                        |         |         |         |
|        |                     | 2175 SPPHSNFRDQLER                               |         |         |         |
|        |                     | 2176 TQVFGLMQK                                   |         |         |         |
|        |                     | 2177 QYK[134]DMMNEAAPQDAPPQ                      |         |         |         |
|        |                     | 2178 RTQVFGLMQK                                  |         |         |         |
|        |                     | 2179 TR[162]GGQVSVC[174]PLPR[162]                |         |         |         |
|        |                     | 2180 NDGEDSYGTQVTYYPSGLSYRK                      |         |         |         |
|        |                     | 2181 NDGEDSYGTQVTYYPSGLSYR[162]K[134]            |         |         |         |
|        |                     | 2182 SK[134]TLFSLMQYSDEFR[162]                   |         |         |         |
|        |                     | 2183 IHFTFNDFK[134]                              |         |         |         |
|        |                     | 2184 TRGGQVSVC[174]PLPR                          |         |         |         |
|        |                     | 2185 IHFTFNDFK                                   |         |         |         |
| Q3UVT5 | Q3UVT5 Q3UVT5_MOUSE | Adult male diencephalon cDNA, RIKEN full-len     | 0.30517 | 0.56872 | 4.0602  |
|        |                     | 2186 TLLLSLLATEIER                               |         |         |         |
|        |                     | 2187 TLLLSLLATEIER[162]                          |         |         |         |
|        |                     | 2188 LDPGAVSDVPEAIK                              |         |         |         |
|        |                     | 2189 LDPGAVSDVPEAIK[134]                         |         |         |         |
| Q3TSK3 | Q3TSK3 Q3TSK3_MOUSE | 12 days embryo male wolffian duct includes su    | 0.16901 | 0.75227 | 25.1724 |

|        |                    |      |                                             |          |         |         |
|--------|--------------------|------|---------------------------------------------|----------|---------|---------|
|        |                    | 2190 | EAGHGTQKEEIP EEELAE DVEEIDHAER              |          |         |         |
|        |                    | 2191 | SSIHNFMTHPEFR[162]                          |          |         |         |
|        |                    | 2192 | SSIHNFMTHPEFR                               |          |         |         |
|        |                    | 2193 | IEDSEPHIPLIDDTAE DDAPTKR                    |          |         |         |
|        |                    | 2194 | IEDSEPHIPLIDDTAE DDAPTK[134]R[162]          |          |         |         |
|        |                    | 2195 | FFDIDSGR[162]                               |          |         |         |
|        |                    | 2196 | FFDIDSGR                                    |          |         |         |
| P63017 | P63017 HSP7C_MOUSE |      | Heat shock cognate 71 kDa protein - Mus mus | -0.36194 | 0.50468 | 36.3777 |
|        |                    | 2197 | TVTNAVVTVPAYFNDSQR[162]                     |          |         |         |
|        |                    | 2198 | NQVAMNPTNTVFD AK                            |          |         |         |
|        |                    | 2199 | NQVAMNPTNTVFD AK[134]                       |          |         |         |
|        |                    | 2200 | NSLESYAFNMK                                 |          |         |         |
|        |                    | 2201 | NSLESYAFNMK[134]                            |          |         |         |
|        |                    | 2202 | SFYPEEVSSMVLTK[134]                         |          |         |         |
|        |                    | 2203 | TVTNAVVTVPAYFNDSQR                          |          |         |         |
|        |                    | 2204 | GPAVGIDL GTTYSC[174]VGVFQHGK[134]           |          |         |         |
|        |                    | 2205 | LDK[134]SQIH DIVLVGGSTR[162]                |          |         |         |
|        |                    | 2206 | MVNH FIAEFK[134]R[162]                      |          |         |         |
|        |                    | 2207 | MVNH FIAEFK[134]                            |          |         |         |
|        |                    | 2208 | SFYPEEVSSMVLTK                              |          |         |         |
|        |                    | 2209 | NQVAMNPTNTVFD AK[134]R[162]                 |          |         |         |
|        |                    | 2210 | LDKSQIH DIVLVGGSTR                          |          |         |         |
|        |                    | 2211 | DAGTIAGLNVLR[162]                           |          |         |         |
|        |                    | 2212 | DAGTIAGLNVLR                                |          |         |         |
|        |                    | 2213 | R[162]FDDAVVQSDMK[134]                      |          |         |         |
|        |                    | 2214 | QATK[134]DAGTIAGLNVLR[162]                  |          |         |         |
|        |                    | 2215 | NQVAMNPTNTVFD AKR                           |          |         |         |
|        |                    | 2216 | LSK[134]EDIER[162]                          |          |         |         |
|        |                    | 2217 | RFDDAVVQSDMK                                |          |         |         |
|        |                    | 2218 | VQVEYKGETK                                  |          |         |         |
|        |                    | 2219 | LSKEDIER                                    |          |         |         |
|        |                    | 2220 | VQVEYK[134]GETK[134]                        |          |         |         |
|        |                    | 2221 | MK[134]EIAEAYLGK[134]                       |          |         |         |

|        |                   |                                                |          |         |         |
|--------|-------------------|------------------------------------------------|----------|---------|---------|
|        |                   | 2222 VC[174]NPIITK                             |          |         |         |
|        |                   | 2223 VC[174]NPIITK[134]                        |          |         |         |
|        |                   | 2224 SINPDEAVAYGAAVQAAILSGDK[134]              |          |         |         |
|        |                   | 2225 GTLDPVEK[134]                             |          |         |         |
|        |                   | 2226 DNNLLGK[134]FELTGIPPAPR[162]              |          |         |         |
|        |                   | 2227 MVNHFIAEFK                                |          |         |         |
|        |                   | 2228 SQIHDIVLVGGSTR                            |          |         |         |
|        |                   | 2229 DAKLDKSQIHDIVLVGGSTR                      |          |         |         |
|        |                   | 2230 MKEIAEAYLGK                               |          |         |         |
|        |                   | 2231 SQIHDIVLVGGSTR[162]                       |          |         |         |
|        |                   | 2232 MVQEAEK[134]YK[134]                       |          |         |         |
|        |                   | 2233 QATKDAGTIAGLNVLR                          |          |         |         |
| P63001 | P63001 RAC1_MOUSE | Ras-related C3 botulinum toxin substrate 1 pre | 0.50870  | 0.34209 | 36.4583 |
|        |                   | 2234 LTPITYPQGLAMAK                            |          |         |         |
|        |                   | 2235 TVFDEAIR[162]                             |          |         |         |
|        |                   | 2236 YLEC[174]SALTQR[162]                      |          |         |         |
|        |                   | 2237 YLEC[174]SALTQR                           |          |         |         |
|        |                   | 2238 TVFDEAIR                                  |          |         |         |
|        |                   | 2239 HHC[174]PNTPIILVGTK[134]                  |          |         |         |
|        |                   | 2240 HHC[174]PNTPIILVGTK                       |          |         |         |
|        |                   | 2241 LDLRDDKDTIEK                              |          |         |         |
|        |                   | 2242 K[134]LTPITYPQGLAMAK[134]                 |          |         |         |
|        |                   | 2243 LTPITYPQGLAMAK[134]                       |          |         |         |
|        |                   | 2244 KLTPITYPQGLAMAK                           |          |         |         |
|        |                   | 2245 GLK[134]TVFDEAIR[162]                     |          |         |         |
|        |                   | 2246 AKWYPEVR                                  |          |         |         |
|        |                   | 2247 LDLR[162]DDK[134]DTIEK[134]               |          |         |         |
| Q8C129 | Q8C129 LCAP_MOUSE | Leucyl-cystinyl aminopeptidase - Mus musculu   | -0.07268 | 0.89344 | 39.2195 |
|        |                   | 2248 YFAATQFEPLAAR[162]                        |          |         |         |
|        |                   | 2249 YFAATQFEPLAAR                             |          |         |         |
|        |                   | 2250 SYLSEDVFR                                 |          |         |         |
|        |                   | 2251 SSLDGDIIIR[162]                           |          |         |         |
|        |                   | 2252 VTFMSAVSSQEK[134]                         |          |         |         |

2253 VTFMSAVSSQEK  
2254 GFPLVTVQR[162]  
2255 GASLLMLK  
2256 ANLINNIFELAGLGK  
2257 GLGHEMDEDEEDYESSAK  
2258 GLGHEMDEDEEDYESSAK[134]  
2259 KSSVPAEEGLIQDEFSESVK  
2260 IFK[134]ELNSYEDFLDAR[162]  
2261 IGQVHHALDTTIK  
2262 IGQVHHALDTTIK[134]  
2263 SSVPAEEGLIQDEFSESVK[134]  
2264 ILEALASEDVHK  
2265 THLSEVQAFFENQSEATLK  
2266 THLSEVQAFFENQSEATLK[134]  
2267 ANLINNIFELAGLGKVPLR  
2268 ANLINNIFELAGLGK[134]VPLR[162]  
2269 MSTYLVAFIVGEMR  
2270 LLEFYQTYFEIQYPLK[134]  
2271 ILEALASEDVHK[134]  
2272 LLGMSFMNR[162]  
2273 SYLSEDVFR[162]  
2274 NEHHTALSNMPK  
2275 ANLINNIFELAGLGK[134]  
2276 NEHHTALSNMPK[134]  
2277 ITRNEHHTALSNMPK  
2278 KGTELLQQR  
2279 VFPWAQIR[162]  
2280 LLGMSFMNR  
2281 MSTYLVAFIVGEMR[162]  
2282 GASLLMLK[134]  
2283 GFPLVTVQR  
2284 SAFPC[174]FDEPAFK  
2285 GTELLQQR[162]



2286 GTELLQQR  
 2287 SAFPC[174]FDEPAFK[134]  
 2288 SVSLDK[134]K[134]  
 2289 VFPWAQIR  
 2290 NPYVLSKDR  
 2291 NPYVLSK[134]DR[162]  
 2292 KYFAATQFEPLAAR  
 2293 K[134]YFAATQFEPLAAR[162]  
 2294 ELNSYEDFLDAR  
 2295 ITR[162]NEHHTALSNMPK[134]  
 2296 IFKELNSYEDFLDAR  
 2297 LGHMDLSSR[162]  
 2298 MQPESQPSDTSHLWHIPISYVTDGR[162]  
 2299 K[134]GTELLQQR[162]  
 2300 GSVTISLQALQDTR[162]  
 2301 K[134]SSVPAEEGLIQDEFSESVK[134]  
 2302 QSPDGTC[174]SLPSAR  
 2303 EPC[174]LHPLEPDEVEYEPR[162]  
 2304 ELNSYEDFLDAR[162]  
 2305 EPC[174]LHPLEPDEVEYEPR  
 2306 SVSLDKK  
 2307 LGHMDLSSR  
 2308 LYWLMK[134]  
 2309 R[162]NPYVLSK[134]DR[162]  
 2310 SDVINLTEQVQWVK[134]  
 2311 LLQNQIQQTWTDEGTPSMR  
 2312 SSVPAEEGLIQDEFSESVK  
 2313 LFSIGSSVEGR[162]PLWVLR[162]  
 2314 IVIVPSLNPDGR[162]  
 2315 SQEGDSISVVGR[162]  
 2316 GHSTSTDDTSDPTSKEFEALIK  
 2317 NPVVTQLVDR[162]

|        |                   |                                             |          |         |         |
|--------|-------------------|---------------------------------------------|----------|---------|---------|
| O89001 | O89001 CBPD_MOUSE | Carboxypeptidase D precursor - Mus musculus | -0.67429 | 0.21392 | 17.7923 |
|--------|-------------------|---------------------------------------------|----------|---------|---------|

|        |                     |      |                                               |         |         |        |
|--------|---------------------|------|-----------------------------------------------|---------|---------|--------|
|        |                     | 2318 | GFVLDATDGR[162]                               |         |         |        |
|        |                     | 2319 | TSDDEVFR[162]                                 |         |         |        |
|        |                     | 2320 | EGDC[174]GLGDSGPPGTSGR                        |         |         |        |
|        |                     | 2321 | EGDC[174]GLGDSGPPGTSGR[162]                   |         |         |        |
|        |                     | 2322 | GHSTSTDDTSDPTSK[134]EFEALIK[134]              |         |         |        |
|        |                     | 2323 | LR[162]QHHDEYEDEIR[162]                       |         |         |        |
|        |                     | 2324 | LTAGLGPPPTAAAGLDAAGPLLGRPQVK                  |         |         |        |
|        |                     | 2325 | QHHDEYEDEIR[162]                              |         |         |        |
|        |                     | 2326 | LVGNMHGDETVSR[162]                            |         |         |        |
|        |                     | 2327 | YIGNMHGNEVVGR[162]                            |         |         |        |
|        |                     | 2328 | NFGTDPEVTDLVR[162]                            |         |         |        |
|        |                     | 2329 | AYASNHPIMK[134]                               |         |         |        |
|        |                     | 2330 | IVIVPSLNPDGR                                  |         |         |        |
|        |                     | 2331 | SLLSMLVEVHK[134]                              |         |         |        |
|        |                     | 2332 | NPVVTQLVDR                                    |         |         |        |
|        |                     | 2333 | NFGTDPEVTDLVR                                 |         |         |        |
|        |                     | 2334 | ALIDWIR[162]                                  |         |         |        |
|        |                     | 2335 | AYASNHPIMK                                    |         |         |        |
|        |                     | 2336 | YHSYK[134]DLSEFLR[162]                        |         |         |        |
|        |                     | 2337 | AIENLIQK[134]                                 |         |         |        |
|        |                     | 2338 | GFVLDATDGR                                    |         |         |        |
|        |                     | 2339 | SLIQFMK[134]                                  |         |         |        |
|        |                     | 2340 | SQEGDSISVVGR                                  |         |         |        |
| Q9D620 | Q9D620 RFIP1_MOUSE  |      | Rab11 family-interacting protein 1 - Mus musc | 1.32623 | 0.01325 | 7.5969 |
|        |                     | 2341 | TPLSQSMSVLPTSK                                |         |         |        |
|        |                     | 2342 | ELEDYIDNLLVR                                  |         |         |        |
|        |                     | 2343 | KSSLVSLVTGKR                                  |         |         |        |
|        |                     | 2344 | SEPK[134]PPVPAAR[162]                         |         |         |        |
|        |                     | 2345 | SEPKPPVPAAR                                   |         |         |        |
| A2AG68 | A2AG68 A2AG68_MOUSE |      | ATPase, Cu++ transporting, alpha polypeptide  | 0.98252 | 0.06651 | 2.3458 |
|        |                     | 2346 | SGAC[174]EEHSTPQAGEVMLK                       |         |         |        |
|        |                     | 2347 | EEGIYSVLVALMAGK                               |         |         |        |
|        |                     | 2348 | REEGIYSVLVALMAGK                              |         |         |        |

|        |                   |                                              |          |         |         |
|--------|-------------------|----------------------------------------------|----------|---------|---------|
|        |                   | 2349 R[162]EEGIYVLVALMAGK[134]               |          |         |         |
|        |                   | 2350 EEGIYVLVALMAGK[134]                     |          |         |         |
|        |                   | 2351 KSGAC[174]EEHSTPQAGEVMLK                |          |         |         |
|        |                   | 2352 SGAC[174]EEHSTPQAGEVMLK[134]            |          |         |         |
| P09055 | P09055 ITB1_MOUSE | Integrin beta-1 precursor - Mus musculus     | -0.11973 | 0.82533 | 30.2005 |
|        |                   | 2353 LR[162]PEDITQIQPQQLLK[134]              |          |         |         |
|        |                   | 2354 LRPEDITQIQPQQLLK                        |          |         |         |
|        |                   | 2355 GC[174]QPSDIENPR                        |          |         |         |
|        |                   | 2356 SAVTTVVNPK[134]                         |          |         |         |
|        |                   | 2357 NVLSLTDRGEFFNELVGQQR                    |          |         |         |
|        |                   | 2358 IGFGSFVEK[134]                          |          |         |         |
|        |                   | 2359 GC[174]QPSDIENPR[162]                   |          |         |         |
|        |                   | 2360 FC[174]EC[174]DNFNC[174]DR              |          |         |         |
|        |                   | 2361 FC[174]EC[174]DNFNC[174]DR[162]         |          |         |         |
|        |                   | 2362 LSENNIQTIFAVTEEFQPVYK                   |          |         |         |
|        |                   | 2363 LSENNIQTIFAVTEEFQPVYK[134]              |          |         |         |
|        |                   | 2364 HC[174]EC[174]STDEVNSEDMDAYC[174]R[162] |          |         |         |
|        |                   | 2365 SGEPQK[134]FTLK[134]                    |          |         |         |
|        |                   | 2366 C[174]NC[174]QSHGIPASPK[134]            |          |         |         |
|        |                   | 2367 K[134]GC[174]QPSDIENPR[162]             |          |         |         |
|        |                   | 2368 EKLPQPVQVDPVTHC[174]K                   |          |         |         |
|        |                   | 2369 KGC[174]QPSDIENPR                       |          |         |         |
|        |                   | 2370 LSENNIQTIFAVTEEFQPVYK[134]ELK[134]      |          |         |         |
|        |                   | 2371 EK[134]LPQPVQVDPVTHC[174]K[134]         |          |         |         |
|        |                   | 2372 KRDNTNEIYSGK                            |          |         |         |
|        |                   | 2373 SGEPQKFTLK                              |          |         |         |
|        |                   | 2374 LSENNIQTIFAVTEEFQPVYKELK                |          |         |         |
|        |                   | 2375 SLGTDLMNEMR[162]                        |          |         |         |
|        |                   | 2376 SLGTDLMNEMR                             |          |         |         |
|        |                   | 2377 C[174]DDLEALK[134]K[134]                |          |         |         |
|        |                   | 2378 IGFGSFVEK                               |          |         |         |
|        |                   | 2379 WDTGENPIYK                              |          |         |         |
|        |                   | 2380 WDTGENPIYK[134]                         |          |         |         |

|        |                    |                                                  |         |         |        |
|--------|--------------------|--------------------------------------------------|---------|---------|--------|
|        |                    | 2381 DNTNEIYSGK[134]                             |         |         |        |
|        |                    | 2382 C[174]NC[174]QSHGIPASPK                     |         |         |        |
|        |                    | 2383 DNTNEIYSGK                                  |         |         |        |
|        |                    | 2384 TVMPYISTTPAK[134]                           |         |         |        |
|        |                    | 2385 C[174]DDLEALKK                              |         |         |        |
|        |                    | 2386 GIC[174]EC[174]GAC[174]K[134]               |         |         |        |
|        |                    | 2387 LPDGVITINYK[134]                            |         |         |        |
|        |                    | 2388 R[162]DNTNEIYSGK[134]                       |         |         |        |
|        |                    | 2389 GIC[174]EC[174]GAC[174]K                    |         |         |        |
|        |                    | 2390 KGC[174]QPSDIENPR[162]                      |         |         |        |
|        |                    | 2391 SAVTTVVNPK                                  |         |         |        |
|        |                    | 2392 GEFFNELVGQQR[162]                           |         |         |        |
|        |                    | 2393 LPDGVITINYK                                 |         |         |        |
|        |                    | 2394 GC[174]QPSDIENPRGSQTIKK                     |         |         |        |
|        |                    | 2395 C[174]DDLEALKKK                             |         |         |        |
|        |                    | 2396 TVMPYISTTPAK                                |         |         |        |
|        |                    | 2397 C[174]DDLEALK[134]K[134]K[134]              |         |         |        |
|        |                    | 2398 NVLSLTDR[162]GEFFNELVGQQR[162]              |         |         |        |
| Q5FWI3 | Q5FWI3 TMEM2_MOUSE | Transmembrane protein 2 - Mus musculus           | 0.47913 | 0.37088 | 1.88   |
|        |                    | 2399 FRPHQDADPEKPR                               |         |         |        |
|        |                    | 2400 YAPDENC[174]PDQNPR[162]                     |         |         |        |
|        |                    | 2401 FR[162]PHQDADPEK[134]PR[162]                |         |         |        |
| P97820 | P97820 M4K4_MOUSE  | Mitogen-activated protein kinase kinase kinase   | 0.04201 | 0.93746 | 6.2449 |
|        |                    | 2402 RPHAQQQPPPPQQQDR                            |         |         |        |
|        |                    | 2403 R[162]PHAQQQPPPPQQQDR[162]                  |         |         |        |
|        |                    | 2404 DSPLQGGGQQNSQAGQR                           |         |         |        |
|        |                    | 2405 LVPR[162]PGSGSSSGSSNSGSQPGSHPGSQSGSGER[162] |         |         |        |
|        |                    | 2406 ILHNDPEVEKK                                 |         |         |        |
|        |                    | 2407 LVPRPGSGSSSGSSNSGSQPGSHPGSQSGSGER           |         |         |        |
|        |                    | 2408 DSPLQGGGQQNSQAGQR[162]                      |         |         |        |
| P15379 | P15379 CD44_MOUSE  | CD44 antigen precursor - Mus musculus            | 0.54678 | 0.30718 | 7.455  |
|        |                    | 2409 YGFIEGNVVIPR[162]                           |         |         |        |
|        |                    | 2410 YGFIEGNVVIPR                                |         |         |        |

|        |                    |                                                |          |         |         |
|--------|--------------------|------------------------------------------------|----------|---------|---------|
|        |                    | 2411 NLQSVDKM                                  |          |         |         |
|        |                    | 2412 NLQSVDKM[134]                             |          |         |         |
|        |                    | 2413 YAGVFHVEK                                 |          |         |         |
|        |                    | 2414 SQEMVHLVNKEPSETPDQC[174]MTADETR           |          |         |         |
|        |                    | 2415 YAGVFHVEK[134]                            |          |         |         |
|        |                    | 2416 SQEMVHLVNK[134]EPSETPDQC[174]MTADETR[162] |          |         |         |
|        |                    | 2417 YAGVFHVEKNGR                              |          |         |         |
|        |                    | 2418 YAGVFHVEK[134]NGR[162]                    |          |         |         |
| O70318 | O70318 E41L2_MOUSE | Band 4.1-like protein 2 - Mus musculus         | -0.72156 | 0.18352 | 36.7409 |
|        |                    | 2419 GLSPAQADSQFLENK[134]                      |          |         |         |
|        |                    | 2420 VVVHK[134]ETELAEEGEE                      |          |         |         |
|        |                    | 2421 QAGASVLPVETEAQEHVVAQK                     |          |         |         |
|        |                    | 2422 VTEGTIR[162]EEQEEC[174]DEELEEEPGQGAK[134] |          |         |         |
|        |                    | 2423 AKEVENEQTPVSEPEEEKGSQPGPPVER              |          |         |         |
|        |                    | 2424 HQASISELK[134]R[162]                      |          |         |         |
|        |                    | 2425 QAGASVLPVETEAQEHVVAQK[134]                |          |         |         |
|        |                    | 2426 EAAVPDAVPDR[162]                          |          |         |         |
|        |                    | 2427 NLPWLFTFNVK[134]                          |          |         |         |
|        |                    | 2428 EASTLIDR[162]PAPQFER[162]                 |          |         |         |
|        |                    | 2429 SSVETQPAEEVR[162]K[134]                   |          |         |         |
|        |                    | 2430 SSVETQPAEEVRK                             |          |         |         |
|        |                    | 2431 EAAVPDAVPDR                               |          |         |         |
|        |                    | 2432 SYNLVVAK[134]                             |          |         |         |
|        |                    | 2433 EVPIVQTETK[134]                           |          |         |         |
|        |                    | 2434 GLSPAQADSQFLENK[134]R[162]                |          |         |         |
|        |                    | 2435 QAGASVLPVETEAQEHVVAQK[134]LPGEK[134]      |          |         |         |
|        |                    | 2436 NLPWLFTFNVK                               |          |         |         |
|        |                    | 2437 TEMVTISDASQR[162]                         |          |         |         |
|        |                    | 2438 EVPIVQTETK                                |          |         |         |
|        |                    | 2439 EQHPDMSVTR[162]                           |          |         |         |
|        |                    | 2440 DKEETIQDTQEEK                             |          |         |         |
|        |                    | 2441 EVQTSELKAEVASQK                           |          |         |         |
|        |                    | 2442 IVITGDAALDHDQALAQAIR[162]                 |          |         |         |

2443 VVVHKETELAEEGEE  
 2444 DKEETIQDTQEEKLEGGAAK  
 2445 HQASISELKR  
 2446 VTEGTIREEQEEC[174]DEELEEEPPGQGAK  
 2447 GAHGGTAEQDPREEAEEDPHR  
 2448 GAHGGTAEQDPR[162]EEAEEDPHR[162]  
 2449 QAGASVLPVETEAQEHVVAQKLPGEK  
 2450 EVENEQTPVSEPEEEK[134]GSQPGPPVER[162]  
 2451 VRPAELEQFESTIGFK  
 2452 VR[162]PAELEQFESTIGFK[134]  
 2453 K[134]DK[134]EETIQDTQEEK[134]  
 2454 GLSPAQADSQFLENAKR  
 2455 VTLLDGTEYSC[174]DLEK[134]  
 2456 EASTLIDRPAPQFER  
 2457 VTLLDGTEYSC[174]DLEK[134]R[162]  
 2458 EMSPGHGPGETR[162]  
 2459 TEMVTISDASQR  
 2460 EVQTSELK[134]AEVASQK[134]  
 2461 HLEVQVEVR[162]  
 2462 EMSPGHGPGETR  
 2463 SSVETQPAEEVR  
 2464 FLT LGSK[134]  
 2465 IVITGDAALDHDQALAQAIR  
 2466 FYPPDPSQLTEDITR

|        |                   |                                           |          |         |         |
|--------|-------------------|-------------------------------------------|----------|---------|---------|
| P24063 | P24063 ITAL_MOUSE | Integrin alpha-L precursor - Mus musculus | -1.71784 | 0.00154 | 21.7541 |
|        |                   | 2467 LADV VVGA EGR[162]                   |          |         |         |
|        |                   | 2468 MPVSC[174]EELTEGSSLLTK[134]          |          |         |         |
|        |                   | 2469 NPDVLLGSVQPMFLLTNTFR[162]            |          |         |         |
|        |                   | 2470 TQQVQHVVYQVR[162]                    |          |         |         |
|        |                   | 2471 YLGMTLATDAK[134]                     |          |         |         |
|        |                   | 2472 QNKNPDVLLGSVQPMFLLTNTFR              |          |         |         |
|        |                   | 2473 QNK[134]NPDVLLGSVQPMFLLTNTFR[162]    |          |         |         |
|        |                   | 2474 K[134]VEMLQPHSR[162]                 |          |         |         |

|        |                  |                                     |          |         |         |
|--------|------------------|-------------------------------------|----------|---------|---------|
|        |                  | 2475 TLHIFASEPVVEEFVK[134]          |          |         |         |
|        |                  | 2476 TQQVQHVVYQVR                   |          |         |         |
|        |                  | 2477 QSLFEMVSELQGDPGYPLGR[162]      |          |         |         |
|        |                  | 2478 YQHVGQVLLFQAPEAGGR[162]        |          |         |         |
|        |                  | 2479 GSLLAC[174]DPGLSR[162]         |          |         |         |
|        |                  | 2480 NPDVLLGSVQPMFLLTNTFR           |          |         |         |
|        |                  | 2481 TEFTFLDYVK[134]                |          |         |         |
|        |                  | 2482 SSR[162]PLLAAGAPR[162]         |          |         |         |
|        |                  | 2483 ASEAQVLVK[134]                 |          |         |         |
|        |                  | 2484 LDLDFPR[162]                   |          |         |         |
|        |                  | 2485 IQGAQVFPGIR[162]               |          |         |         |
|        |                  | 2486 IQGAQVFPGIR                    |          |         |         |
|        |                  | 2487 IYAIEGTNR[162]                 |          |         |         |
|        |                  | 2488 IK[134]PLTPQFQGR[162]          |          |         |         |
|        |                  | 2489 YQHVGQVLLFQAPEAGGR             |          |         |         |
|        |                  | 2490 LDLDFPR                        |          |         |         |
|        |                  | 2491 LK[134]DLFTDLQR[162]           |          |         |         |
|        |                  | 2492 AMQPILR[162]PSIHTVTK[134]      |          |         |         |
|        |                  | 2493 DWAGGFLLDLR[162]               |          |         |         |
|        |                  | 2494 IYAIEGTNR                      |          |         |         |
| Q68FD5 | Q68FD5 CLH_MOUSE | Clathrin heavy chain - Mus musculus | -0.08593 | 0.87416 | 28.6567 |
|        |                  | 2495 K[134]FDVNTSAVQVLIHIGNLDR[162] |          |         |         |
|        |                  | 2496 LASTLVHLGEYQAAVDGAR            |          |         |         |
|        |                  | 2497 LASTLVHLGEYQAAVDGAR[162]       |          |         |         |
|        |                  | 2498 ISGETIFVTAPHEATAGIIGVNR[162]   |          |         |         |
|        |                  | 2499 AFMTADLPNELIELLEK              |          |         |         |
|        |                  | 2500 NLQNLLILTAIK                   |          |         |         |
|        |                  | 2501 NLQNLLILTAIK[134]              |          |         |         |
|        |                  | 2502 AFMTADLPNELIELLEK[134]         |          |         |         |
|        |                  | 2503 KFDVNTSAVQVLIHIGNLDR           |          |         |         |
|        |                  | 2504 IYIDSNNNPER[162]               |          |         |         |
|        |                  | 2505 LLYNNVSNFGR[162]               |          |         |         |
|        |                  | 2506 IYIDSNNNPER                    |          |         |         |

2507 LLLPWLEAR[162]  
2508 ESYVETELIFALAK[134]  
2509 KFNALFAQGNYSEAAK  
2510 K[134]FNALFAQGNYSEAAK[134]  
2511 LHIIEVGTPPTGNQPPFK  
2512 IHEGC[174]EEPATHNALAK[134]  
2513 R[162]PLIDQVVQTALSETQDPEEVSVTVK[134]  
2514 NNLAGEELFAR[162]  
2515 VGYTPDWIFLLR  
2516 LLYNNVSNFGR  
2517 SVDPTLALSVYLR[162]  
2518 GQFSTDELVAEVEK[134]R[162]  
2519 C[174]NEPAVWSQLAK[134]  
2520 VGYTPDWIFLLR[162]  
2521 WLLLTGISAQQNR[162]  
2522 NNLAGEELFAR  
2523 NLQNLLILTAIK[134]ADR[162]  
2524 C[174]NEPAVWSQLAK  
2525 K[134]VGYTPDWIFLLR[162]  
2526 LPVVIGGLLDVDC[174]SEDVIK[134]  
2527 SVNESLNNLFITEEDYQALR[162]  
2528 TSIDAYDNFDNISLAQR[162]  
2529 ALEHFTDLYDIKR  
2530 LAELEEFINGPNNAHIQQVGDR  
2531 LLEMNLMHAPQVADAILGNQMFTHYDR  
2532 ISGETIFVTAPHEATAGIIGVNR  
2533 LLEMNLMHAPQVADAILGNQMFTHYDR[162]  
2534 LAELEEFINGPNNAHIQQVGDR[162]  
2535 HSSLAGC[174]QIINYR[162]  
2536 VSQPIEGHAASFAQFK[134]  
2537 ESYVETELIFALAK  
2538 SVDPTLALSVYLR  
2539 WLLLTGISAQQNR



|        |                     |                                               |          |         |        |
|--------|---------------------|-----------------------------------------------|----------|---------|--------|
|        |                     | 2540 TLQIFNIEMK[134]                          |          |         |        |
|        |                     | 2541 GQFSTDELVAEVEKR                          |          |         |        |
|        |                     | 2542 KVGYPDWIFLLR                             |          |         |        |
|        |                     | 2543 QLPLVK[134]PYLR[162]                     |          |         |        |
|        |                     | 2544 AYEFAER[162]                             |          |         |        |
|        |                     | 2545 IVLDNSVFSEHR[162]                        |          |         |        |
| Q8K482 | Q8K482 EMIL2_MOUSE  | EMILIN-2 precursor - Mus musculus             | 1.48081  | 0.00568 | 8.2868 |
|        |                     | 2546 ATDTPSQVSQPK[134]                        |          |         |        |
|        |                     | 2547 ATDTPSQVSQPK                             |          |         |        |
|        |                     | 2548 AGDGVNVVVTGGR                            |          |         |        |
|        |                     | 2549 VFQLEQTC[174]R[162]                      |          |         |        |
|        |                     | 2550 NSVQQFYSHVFQISTDLQDLVK                   |          |         |        |
|        |                     | 2551 TGDSMEASGFTK                             |          |         |        |
|        |                     | 2552 SSDFGPQIK                                |          |         |        |
|        |                     | 2553 QFQETSHSIQK                              |          |         |        |
|        |                     | 2554 TGDSMEASGFTK[134]                        |          |         |        |
| Q9JM52 | Q9JM52 MINK1_MOUSE  | Misshapen-like kinase 1 - Mus musculus        | -0.23320 | 0.66731 | 1.7584 |
|        |                     | 2555 SLQQQQQQQLQK                             |          |         |        |
|        |                     | 2556 SLQQQQQQQLQK[134]                        |          |         |        |
|        |                     | 2557 SSQLQDQPTR[162]                          |          |         |        |
| Q3TBT0 | Q3TBT0 Q3TBT0_MOUSE | NOD-derived CD11c +ve dendritic cells cDNA, I | -0.23298 | 0.66761 | 1.8797 |
|        |                     | 2558 EGDISTVTYDLALDPGR                        |          |         |        |
|        |                     | 2559 EGDISTVTYDLALDPGR[162]                   |          |         |        |
|        |                     | 2560 LREGDISTVTYDLALDPGR                      |          |         |        |
| Q3TD86 | Q3TD86 Q3TD86_MOUSE | NOD-derived CD11c +ve dendritic cells cDNA, I | -0.64885 | 0.23170 | 1.9948 |
|        |                     | 2561 GFGQSVVQLGGTSVVVAAPQEAK[134]             |          |         |        |
|        |                     | 2562 GFGQSVVQLGGTSVVVAAPQEAK                  |          |         |        |
| Q8CGC7 | Q8CGC7 SYEP_MOUSE   | Bifunctional aminoacyl-tRNA synthetase - Mus  | 0.18184  | 0.73416 | 7.4735 |
|        |                     | 2563 SQGSLSSGGAGEGQGPK[134]                   |          |         |        |
|        |                     | 2564 SQGSLSSGGAGEGQGPK                        |          |         |        |
|        |                     | 2565 TGQEYKPGNPSAAAVQTVSTK                    |          |         |        |
|        |                     | 2566 ERPAPAVSSTC[174]ATAEDSSVLYSR             |          |         |        |
|        |                     | 2567 SSSNTVESTSLYNK                           |          |         |        |

|        |                     |                                                 |          |         |         |
|--------|---------------------|-------------------------------------------------|----------|---------|---------|
|        |                     | 2568 VAVQGDVVR[162]                             |          |         |         |
|        |                     | 2569 VYEELLAIPVVR[162]                          |          |         |         |
|        |                     | 2570 AIQGATSHHLGQNFSK                           |          |         |         |
| Q6P5E4 | Q6P5E4 UGGG1_MOUSE  | UDP-glucose:glycoprotein glucosyltransferase    | -0.28473 | 0.59971 | 4.3198  |
|        |                     | 2571 IYSHDGTDSPPDANDVVILNNFK                    |          |         |         |
|        |                     | 2572 LGIEGLSLHNILK[134]                         |          |         |         |
|        |                     | 2573 IYSHDGTDSPPDANDVVILNNFK[134]               |          |         |         |
|        |                     | 2574 YVLEPEISFTADSSFAK                          |          |         |         |
|        |                     | 2575 IVPEWQDYDQEIK[134]                         |          |         |         |
| A2A790 | A2A790 A2A790_MOUSE | Likely ortholog of H. sapiens polycystic kidney | 0.55792  | 0.29742 | 15.1718 |
|        |                     | 2576 MLFFVQNDPPHQLFK                            |          |         |         |
|        |                     | 2577 IAGNVVVTLPSTAELDGSR[162]                   |          |         |         |
|        |                     | 2578 QIGVLLGVLDSDIIVQK                          |          |         |         |
|        |                     | 2579 IAGNVVVTLPSTAELDGSR                        |          |         |         |
|        |                     | 2580 ILDATDQESLELKPTR                           |          |         |         |
|        |                     | 2581 ILDATDQESLELK[134]PTR[162]                 |          |         |         |
|        |                     | 2582 VVSYLWEQSR                                 |          |         |         |
|        |                     | 2583 VVSYLWEQSR[162]                            |          |         |         |
|        |                     | 2584 HSQSLQLSK                                  |          |         |         |
|        |                     | 2585 NLQSQSSVNVIVKEEINKPPVAK                    |          |         |         |
|        |                     | 2586 ISEDTAILK[134]                             |          |         |         |
|        |                     | 2587 SVQITLPK[134]                              |          |         |         |
|        |                     | 2588 HSQSLQLSK[134]                             |          |         |         |
|        |                     | 2589 ISEDTAILK                                  |          |         |         |
|        |                     | 2590 GHEVAAMLK                                  |          |         |         |
|        |                     | 2591 VTDAGGESDTRTTVEVKPDPR                      |          |         |         |
|        |                     | 2592 QIGVLLGVLDSDIIVQK[134]                     |          |         |         |
|        |                     | 2593 MLFFVQNDPPHQLFK[134]                       |          |         |         |
| Q80TH2 | Q80TH2 LAP2_MOUSE   | Protein LAP2 - Mus musculus                     | -0.31120 | 0.56623 | 3.495   |
|        |                     | 2594 LKDEETNEESGRDLK                            |          |         |         |
|        |                     | 2595 LSLPDNDLTLPASIANLINLR                      |          |         |         |
|        |                     | 2596 LTFIPGFIGSLR                               |          |         |         |
| P11835 | P11835 ITB2_MOUSE   | Integrin beta-2 precursor - Mus musculus        | -0.08702 | 0.87256 | 55.1232 |

2597 LGGDLLQALNEITESGR  
2598 LGGDLLQALNEITESGR[162]  
2599 LTDNSNQFQTEVGK[134]  
2600 YNSQVC[174]GGSDR[162]  
2601 LTDNSNQFQTEVGK  
2602 SIANPEFDQR  
2603 SIANPEFDQR[162]  
2604 SAVGELSDDSSNVVQLIK  
2605 SAVGELSDDSSNVVQLIK[134]  
2606 SATTTVMNPK[134]  
2607 C[174]HLEDNMYK[134]R[162]  
2608 SNEFDYPSVGLAHK  
2609 SQWNNDNPLFK[134]  
2610 LSESNIQPIFAVTK[134]  
2611 YNSQVC[174]GGSDR  
2612 SNEFDYPSVGLAHK[134]  
2613 LGAILTPNDGR[162]  
2614 LSESNIQPIFAVTK  
2615 AC[174]QPPFAFR[162]  
2616 DSEGC[174]WITYTLQQK[134]  
2617 GDC[174]DGVQINNPVTFQVK  
2618 IGFGSFVDKTVLPFVNTHPEK  
2619 SRGDC[174]DGVQINNPVTFQVK  
2620 LLVFATDDGFHFAGDGK[134]  
2621 SR[162]GDC[174]DGVQINNPVTFQVK[134]  
2622 VMASEC[174]IQEQSFVIR[162]  
2623 IGFGSFVDK[134]TVLPFVNTHPEK[134]  
2624 SQWNNDNPLFK  
2625 LSESNIQPIFAVTK[134]K[134]  
2626 VMASEC[174]IQEQSFVIR  
2627 SATTTVMNPK  
2628 LSESNIQPIFAVTKK  
2629 C[174]HLEDNMYKR

2630 AC[174]QPPFAFR  
2631 TYEK[134]LTEIIPK[134]  
2632 DC[174]IQSGPGC[174]SWC[174]QK  
2633 DSEGC[174]WITYTLQOK  
2634 GDC[174]DGVQINNPFVTFQVK[134]  
2635 KLGGDLLQALNEITESGR  
2636 LK[134]SQWNNDNPLFK[134]  
2637 LLVFATDDGFHFAGDGK  
2638 C[174]ESGYIGKNC[174]EC[174]QTQGR  
2639 C[174]ESGYIGK[134]NC[174]EC[174]QTQGR[162]  
2640 HVLK[134]LTDNSNQFQTEVGK[134]  
2641 QLISGNLDAPEGGLDAIMQVAAC[174]PEEIGWR  
2642 YNSQVC[174]GGSDRGSC[174]NC[174]GK  
2643 YNSQVC[174]GGSDR[162]GSC[174]NC[174]GK[134]  
2644 ALGFTDTVTQVR[162]PQC[174]EC[174]QC[174]R[162]  
2645 RSNEFDYPSVGQLAHK  
2646 K[134]LGGDLLQALNEITESGR[162]  
2647 LKSQWNNDNPLFK  
2648 VFLDHSTLPDTLK[134]  
2649 R[162]SNEFDYPSVGQLAHK[134]  
2650 HVLKLTDNSNQFQTEVGK  
2651 TYEKLTEIIPK  
2652 NIYNIHVEDSLEC[174]VK[134]  
2653 VFLDHSTLPDTLK  
2654 VTYDSFC[174]SNGASSIGK[134]  
2655 LGAILTPNDGR  
2656 NIYNIHVEDSLEC[174]VK  
2657 GVMEC[174]GIC[174]R[162]  
2658 LTEIIPK[134]  
2659 TVLPFVNTHPEK[134]  
2660 GC[174]PADDIMDPR  
2661 LTEIIPK  
2662 LRNPC[174]PNKEK

|        |                    |      |                                               |         |         |         |
|--------|--------------------|------|-----------------------------------------------|---------|---------|---------|
|        |                    | 2663 | IGFGSFVDK[134]TVLPFVNTHPEK[134]LR[162]        |         |         |         |
|        |                    | 2664 | SIANPEFDQR[162]GQR[162]K[134]                 |         |         |         |
|        |                    | 2665 | QLISGNLDAPEGGLDAIMQVAAC[174]PEEIGWR[162]      |         |         |         |
|        |                    | 2666 | VTYDSFC[174]SNGASSIGK                         |         |         |         |
|        |                    | 2667 | TVLPFVNTHPEK                                  |         |         |         |
|        |                    | 2668 | DSEGC[174]WITYTLQQK[134]DGR[162]              |         |         |         |
|        |                    | 2669 | IGFGSFVDKTVLPFVNTHPEKLR                       |         |         |         |
|        |                    | 2670 | KLGGDLLQALNEITESGR[162]                       |         |         |         |
|        |                    | 2671 | SIANPEFDQRGQRK                                |         |         |         |
| Q00651 | Q00651 ITA4_MOUSE  |      | Integrin alpha-4 precursor - Mus musculus     | 0.51701 | 0.33426 | 16.7469 |
|        |                    | 2672 | NTEEFPLQPILQQK                                |         |         |         |
|        |                    | 2673 | SPHTEVVGGAPQHEQIGK                            |         |         |         |
|        |                    | 2674 | SPHTEVVGGAPQHEQIGK[134]                       |         |         |         |
|        |                    | 2675 | NTEEFPLQPILQQK[134]                           |         |         |         |
|        |                    | 2676 | FGSYLGYSVGAGHFR                               |         |         |         |
|        |                    | 2677 | VDGISSTYSQR                                   |         |         |         |
|        |                    | 2678 | GIAGTLTDIVK                                   |         |         |         |
|        |                    | 2679 | VDGISSTYSQR[162]                              |         |         |         |
|        |                    | 2680 | SDNKLPTGIC[174]YVMPSDLR                       |         |         |         |
|        |                    | 2681 | VLVGSDK[134]YAAR[162]                         |         |         |         |
|        |                    | 2682 | VLVGSDKYAAR                                   |         |         |         |
|        |                    | 2683 | GIAGTLTDIVK[134]                              |         |         |         |
|        |                    | 2684 | TYLAVGSMK                                     |         |         |         |
|        |                    | 2685 | IMVPNSFLPQDDKLFNVLDVQTTTGQC[174]HFK           |         |         |         |
|        |                    | 2686 | DNQWLGVTLR                                    |         |         |         |
|        |                    | 2687 | DNQWLGVTLR[162]                               |         |         |         |
|        |                    | 2688 | LPTGIC[174]YVMPSDLR                           |         |         |         |
|        |                    | 2689 | MAPC[174]YKDYTR                               |         |         |         |
|        |                    | 2690 | SDNK[134]LPTGIC[174]YVMPSDLR[162]             |         |         |         |
|        |                    | 2691 | QINC[174]EVTESSGIVK                           |         |         |         |
| Q61543 | Q61543 GSLG1_MOUSE |      | Golgi apparatus protein 1 precursor - Mus mus | 0.36203 | 0.49896 | 20      |
|        |                    | 2692 | FC[174]ENTQAGEGR[162]                         |         |         |         |
|        |                    | 2693 | GEIEHHC[174]SGLHR                             |         |         |         |

2694 GEIEHHC[174]SGLHR[162]  
 2695 VAEISSDDFHLDR  
 2696 FC[174]ENTQAGEGR  
 2697 LSSDC[174]EDQIR[162]  
 2698 LLELQYFISR  
 2699 C[174]NVENLPR  
 2700 LGEKDAHSQGEVVSC[174]LEK  
 2701 VAEISSDDFHLDR[162]  
 2702 LLELQYFISR[162]  
 2703 LAEEESC[174]R[162]EDVTR[162]  
 2704 C[174]NVENLPR[162]  
 2705 TETGQEEC[174]LQDHLDDLAVEC[174]R  
 2706 LAEEESC[174]REDVTR  
 2707 GEIEHHC[174]SGLHRK  
 2708 QITQNTDYR  
 2709 LSSDC[174]EDQIR  
 2710 QITQNTDYR[162]  
 2711 SGDPMLISC[174]LMEHLYTEK  
 2712 DAHSQGEVVSC[174]LEK  
 2713 DAHSQGEVVSC[174]LEK[134]  
 2714 ADIFVDPVLHTAC[174]ALDIK[134]  
 2715 MTAIFSDYR  
 2716 MTAIFSDYR[162]  
 2717 QVSSEC[174]QGEMLDYR[162]  
 2718 ADIFVDPVLHTAC[174]ALDIK  
 2719 NSELMDPK[134]  
 2720 ALNEAC[174]ESVIQTAC[174]K  
 2721 LGEK[134]DAHSQGEVVSC[174]LEK[134]  
 2722 ALNEAC[174]ESVIQTAC[174]K[134]  
 2723 GLVKEAEEKEPK  
 2724 GGAGPGGTGGGWK  
 2725 SSHETLNVVEEK[134]

Q80UE4    Q80UE4|Q80UE4\_MOUSE    Protein 4.1G - Mus musculus    -0.57745    0.28716    1.5113

|        |                   |                                         |          |         |         |
|--------|-------------------|-----------------------------------------|----------|---------|---------|
| Q8BL66 | Q8BL66 EEA1_MOUSE | 2726 SSHETLNVVEEK                       |          |         |         |
|        |                   | Early endosome antigen 1 - Mus musculus | -0.00064 | 0.99905 | 30.8292 |
|        |                   | 2727 AQGELSEKAEAAQK                     |          |         |         |
|        |                   | 2728 AQGELSEK[134]AEAAQK[134]           |          |         |         |
|        |                   | 2729 IQAGEGETAVLNQLQEK[134]             |          |         |         |
|        |                   | 2730 LQQQSSQAAQELAAEK[134]              |          |         |         |
|        |                   | 2731 QQHQEQQALQQSATAK[134]              |          |         |         |
|        |                   | 2732 SKQQHQEQQALQQSATAK                 |          |         |         |
|        |                   | 2733 NQSESHK[134]QAEENLHDQVQEQK[134]    |          |         |         |
|        |                   | 2734 AALEQEK[134]ESQQLMR[162]           |          |         |         |
|        |                   | 2735 ELQEQEEVSC[174]TK[134]             |          |         |         |
|        |                   | 2736 LTLAQEDLISNR                       |          |         |         |
|        |                   | 2737 VTNSTELQHQLEK[134]                 |          |         |         |
|        |                   | 2738 AAQLATEIADIK[134]                  |          |         |         |
|        |                   | 2739 LTLAQEDLISNR[162]                  |          |         |         |
|        |                   | 2740 ELQEQEEVSC[174]TK                  |          |         |         |
|        |                   | 2741 SLEKEKETSQQLK                      |          |         |         |
|        |                   | 2742 EQALQSLQQQR[162]                   |          |         |         |
|        |                   | 2743 DLDC[174]QQLQAR[162]               |          |         |         |
|        |                   | 2744 DLDC[174]QQLQAR                    |          |         |         |
|        |                   | 2745 LSALQSNYEK                         |          |         |         |
|        |                   | 2746 AAQLATEIADIK                       |          |         |         |
|        |                   | 2747 VLSLETSVSELSSQLNESKEK              |          |         |         |
|        |                   | 2748 LTASESSLQR[162]                    |          |         |         |
|        |                   | 2749 ELVQVQTLMDNMTLER                   |          |         |         |
|        |                   | 2750 ELVQVQTLMDNMTLER[162]              |          |         |         |
|        |                   | 2751 GPQEVAVYVQEIQK[134]                |          |         |         |
|        |                   | 2752 IQAGEGETAVLNQLQEK                  |          |         |         |
|        |                   | 2753 ADLQNHLDTAQHALQDK                  |          |         |         |
|        |                   | 2754 ADLQNHLDTAQHALQDK[134]             |          |         |         |
|        |                   | 2755 K[134]TLQASLHQR[162]               |          |         |         |
|        |                   | 2756 QQHQEQQALQQSATAK                   |          |         |         |
|        |                   | 2757 HYQAVHDAGNDSGHGGEAGLALTR           |          |         |         |

2758 HYQAVHDAGNDSGHGGEAGLALTR[162]  
 2759 LKNQSESHKQAEENLHDQVQEQK  
 2760 IELNSVK[134]GEVSQAQNTLK[134]  
 2761 HLSLEQK[134]VEDLEGHIK[134]  
 2762 IELNSVKGEVSQAQNTLK  
 2763 ASK[134]EQALQSLQQQR[162]  
 2764 QAEENLHDQVQEQK[134]  
 2765 VTNSTELQHLEK  
 2766 GPQEVAVYVQEIQK  
 2767 IQNLEALLQK[134]  
 2768 LSALQSNYEK[134]  
 2769 MQAAVTELTAVK[134]  
 2770 GEVSQAQNTLK  
 2771 GEVSQAQNTLK[134]  
 2772 K[134]LEADALEVK[134]  
 2773 MQAAVTELTAVK  
 2774 EQALQSLQQQR  
 2775 SLGSADELFK[134]  
 2776 TLQASLHQR[162]  
 2777 LTASESSLQR  
 2778 LR[162]EAQNDLEQVLR[162]  
 2779 YQGLQQQEA  
 2780 LK[134]GSINELTQK[134]  
 2781 LREELREVEST  
 2782 LQQQSSQAAQELAAEK[134]GK[134]

|        |                    |                                                  |          |         |        |
|--------|--------------------|--------------------------------------------------|----------|---------|--------|
| Q61469 | Q61469 LPP1_MOUSE  | Lipid phosphate phosphohydrolase 1 - Mus m       | 1.52733  | 0.00434 | 5.6537 |
|        |                    | 2783 KEEDPHTTLHETASSR                            |          |         |        |
|        |                    | 2784 K[134]EEDPHTTLHETASSR[162]                  |          |         |        |
| P23116 | P23116 EIF3A_MOUSE | Eukaryotic translation initiation factor 3 subun | -0.15920 | 0.76919 | 4.9107 |
|        |                    | 2785 LTSLVPFVDAFQLER                             |          |         |        |
|        |                    | 2786 LTSLVPFVDAFQLER[162]                        |          |         |        |
|        |                    | 2787 R[162]VPPPALS[162]                          |          |         |        |
|        |                    | 2788 VLLATLSIPITPER[162]                         |          |         |        |



|        |                    |                                              |         |         |         |
|--------|--------------------|----------------------------------------------|---------|---------|---------|
|        |                    | 2789 ILQEHEQIK[134]                          |         |         |         |
|        |                    | 2790 RGPDEDRFSR                              |         |         |         |
|        |                    | 2791 IGLINDMVR[162]                          |         |         |         |
|        |                    | 2792 VLLATLSIPITPER                          |         |         |         |
|        |                    | 2793 RVPPPALSR                               |         |         |         |
| Q8R420 | Q8R420 ABCA3_MOUSE | ATP-binding cassette sub-family A member 3 - | 0.44907 | 0.40164 | 4.284   |
|        |                    | 2794 ILVPSLDSMLDTPLIINELSK[134]              |         |         |         |
|        |                    | 2795 EVLGDLEEFVFR[162]                       |         |         |         |
|        |                    | 2796 ILVPSLDSMLDTPLIINELSK                   |         |         |         |
|        |                    | 2797 TVVGK[134]EEEGSDPEK[134]                |         |         |         |
|        |                    | 2798 TVVGKEEGSDPEK                           |         |         |         |
|        |                    | 2799 TSVLPEDQDVAEER                          |         |         |         |
|        |                    | 2800 TSVLPEDQDVAEER[162]                     |         |         |         |
|        |                    | 2801 ASVEGGGFNER[162]                        |         |         |         |
| Q8BJ48 | Q8BJ48 NAGPA_MOUSE | N-acetylglucosamine-1-phosphodiester alpha-  | 0.95196 | 0.07542 | 30.3675 |
|        |                    | 2802 GLNLWEMAEFLR                            |         |         |         |
|        |                    | 2803 GLNLWEMAEFLR[162]                       |         |         |         |
|        |                    | 2804 LVSSSGGLQNAQFGIR[162]                   |         |         |         |
|        |                    | 2805 LVSSSGGLQNAQFGIR                        |         |         |         |
|        |                    | 2806 TAVGHDREGQLILFHADGQTEQR                 |         |         |         |
|        |                    | 2807 TFVSHFEGR[162]                          |         |         |         |
|        |                    | 2808 IAQNGGFFR                               |         |         |         |
|        |                    | 2809 SGSPEQESWPPPPTNPGASHHA AVR              |         |         |         |
|        |                    | 2810 TFVSHFEGR                               |         |         |         |
|        |                    | 2811 ATVEDTAVPAGC[174]R                      |         |         |         |
|        |                    | 2812 TFSVLEPGGAGGC[174]AQK                   |         |         |         |
|        |                    | 2813 MSTGEC[174]LGNVVS DGR[162]              |         |         |         |
|        |                    | 2814 MSTGEC[174]LGNVVS DGR                   |         |         |         |
|        |                    | 2815 QVSTVVC[174]VHEPR[162]                  |         |         |         |
|        |                    | 2816 QVSTVVC[174]VHEPR                       |         |         |         |
|        |                    | 2817 VADPLR[162]TFSVLEPGGAGGC[174]AQK[134]   |         |         |         |
|        |                    | 2818 TAVGHDR[162]EGQLILFHADGQTEQR[162]       |         |         |         |
|        |                    | 2819 LVSSSGGLQNAQFGIR[162]R[162]             |         |         |         |

|        |                   |                                           |          |         |         |
|--------|-------------------|-------------------------------------------|----------|---------|---------|
|        |                   | 2820 VADPLRTFSVLEPGGAGGC[174]AQK          |          |         |         |
|        |                   | 2821 TFSVLEPGGAGGC[174]AQK[134]           |          |         |         |
|        |                   | 2822 ATVEDTAVPAGC[174]R[162]              |          |         |         |
| P11688 | P11688 ITA5_MOUSE | Integrin alpha-5 precursor - Mus musculus | -0.43276 | 0.42506 | 22.1273 |
|        |                   | 2823 TPDDFGSALR[162]                      |          |         |         |
|        |                   | 2824 TPDDFGSALR                           |          |         |         |
|        |                   | 2825 VTAPLEAEYSGLVR[162]                  |          |         |         |
|        |                   | 2826 ILESSLYSAKGEEPVEYK                   |          |         |         |
|        |                   | 2827 VTAPLEAEYSGLVR                       |          |         |         |
|        |                   | 2828 DLDGNGYPDLIVGSFGVDK[134]             |          |         |         |
|        |                   | 2829 QLVC[174]DLGNPMK[134]                |          |         |         |
|        |                   | 2830 SLQWFGATVR[162]                      |          |         |         |
|        |                   | 2831 SLQWFGATVR                           |          |         |         |
|        |                   | 2832 QLVC[174]DLGNPMK                     |          |         |         |
|        |                   | 2833 ILESSLYSAK[134]GEEPVEYK[134]         |          |         |         |
|        |                   | 2834 ILEYAPC[174]R                        |          |         |         |
|        |                   | 2835 ILEYAPC[174]R[162]                   |          |         |         |
|        |                   | 2836 ILESSLYSAK[134]                      |          |         |         |
|        |                   | 2837 FTVPHLQDTKK                          |          |         |         |
|        |                   | 2838 APMDSHGLR[162]PVLHYQSK[134]          |          |         |         |
|        |                   | 2839 FTVPHLQDTK[134]K[134]                |          |         |         |
|        |                   | 2840 GRPIISASASLTIFPSMFNPEER              |          |         |         |
|        |                   | 2841 DLDGNGYPDLIVGSFGVDK                  |          |         |         |
|        |                   | 2842 TIQFDFQILSK[134]                     |          |         |         |
|        |                   | 2843 TIQFDFQILSK                          |          |         |         |
|        |                   | 2844 QATLTQTLLIQNGAR[162]                 |          |         |         |
|        |                   | 2845 FTVPHLQDTK                           |          |         |         |
|        |                   | 2846 DGVSVLVGAPK                          |          |         |         |
|        |                   | 2847 APMDSHGLRPVLHYQSK                    |          |         |         |
|        |                   | 2848 DGVSVLVGAPK[134]                     |          |         |         |
|        |                   | 2849 ALFLTSK[134]                         |          |         |         |
|        |                   | 2850 QATLTQTLLIQNGAR                      |          |         |         |
|        |                   | 2851 SDFGSAAGQGYC[174]QGGFSAEFTK          |          |         |         |

|        |                     |                                              |          |         |         |
|--------|---------------------|----------------------------------------------|----------|---------|---------|
|        |                     | 2852 AHGSSILAC[174]APLYSWR[162]              |          |         |         |
|        |                     | 2853 FTVPHLQDTK[134]                         |          |         |         |
|        |                     | 2854 AHGSSILAC[174]APLYSWR                   |          |         |         |
|        |                     | 2855 AGTSLWGGLR                              |          |         |         |
|        |                     | 2856 ILESSLYSAK                              |          |         |         |
|        |                     | 2857 AGTSLWGGLR[162]                         |          |         |         |
| A0PJB3 | A0PJB3 A0PJB3_MOUSE | Niban protein (Fragment) - Mus musculus      | -0.10257 | 0.85005 | 21.7063 |
|        |                     | 2858 AFPVYLWQPYLR[162]                       |          |         |         |
|        |                     | 2859 TKPPLEPGTVLYEAELSQAEDIRK                |          |         |         |
|        |                     | 2860 VLTSEEEYSLLSDK[134]                     |          |         |         |
|        |                     | 2861 VLTSEEEYSLLSDK[134]HFPDPTASSEK[134]     |          |         |         |
|        |                     | 2862 LVMEELLPTLQTDLLPK                       |          |         |         |
|        |                     | 2863 LVMEELLPTLQTDLLPK[134]                  |          |         |         |
|        |                     | 2864 NDFAVESYESK[134]                        |          |         |         |
|        |                     | 2865 VLTSEEEYSLLSDK                          |          |         |         |
|        |                     | 2866 SDMDQIVTSK[134]                         |          |         |         |
|        |                     | 2867 VITEAAILK[134]K[134]                    |          |         |         |
|        |                     | 2868 SDMDQIVTSK                              |          |         |         |
|        |                     | 2869 NDFAVESYESK                             |          |         |         |
|        |                     | 2870 QYDYDSSTIR[162]                         |          |         |         |
|        |                     | 2871 AFPVYLWQPYLR                            |          |         |         |
|        |                     | 2872 DLTSQFLK[134]                           |          |         |         |
|        |                     | 2873 NSQPFVLLPK[134]                         |          |         |         |
|        |                     | 2874 IFQEALIQITLPTVQK                        |          |         |         |
|        |                     | 2875 IFQEALIQITLPTVQK[134]                   |          |         |         |
|        |                     | 2876 SEVEQQR[162]DLTSQFLK[134]               |          |         |         |
|        |                     | 2877 TAMGSNQASPAR[162]                       |          |         |         |
|        |                     | 2878 TK[134]PPLEPGTVLYEAELSQAEDIR[162]K[134] |          |         |         |
|        |                     | 2879 QTTFEAQAFLEAVQFFR[162]QEK[134]          |          |         |         |
|        |                     | 2880 NSQPFVLLPK                              |          |         |         |
|        |                     | 2881 DLTSQFLK                                |          |         |         |
|        |                     | 2882 SEVEQQRDLTSQFLK                         |          |         |         |
|        |                     | 2883 LLDLQSR[162]                            |          |         |         |

|        |                    |                                                |          |         |         |
|--------|--------------------|------------------------------------------------|----------|---------|---------|
| Q7TPV4 | Q7TPV4 MBB1A_MOUSE | 2884 TAMGSNQASPAR[162]R[162]                   | -1.54389 | 0.00443 | 11.0119 |
|        |                    | Myb-binding protein 1A - Mus musculus          |          |         |         |
|        |                    | 2885 LQQSLQQGNHSSGSGNR[162]                    |          |         |         |
|        |                    | 2886 LQQSLQQGNHSSGSGNR                         |          |         |         |
|        |                    | 2887 K[134]SPHPQSALPK[134]                     |          |         |         |
|        |                    | 2888 NVTSVTSLTQQQR[162]                        |          |         |         |
|        |                    | 2889 ILSQHPNHLQGQPIK[134]                      |          |         |         |
|        |                    | 2890 AEPATPAEAAQSDR[162]                       |          |         |         |
|        |                    | 2891 ALDLIEVLVTK[134]                          |          |         |         |
|        |                    | 2892 ATQTLQTLGEAQSK[134]                       |          |         |         |
|        |                    | 2893 YLELFLAK[134]                             |          |         |         |
|        |                    | 2894 NSSLTVPMFLSLFSR[162]                      |          |         |         |
|        |                    | 2895 AQDASLNVPER[162]                          |          |         |         |
|        |                    | 2896 SPAPSNPTLSPSTPAK[134]                     |          |         |         |
|        |                    | 2897 SPAPSNPTLSPSTPAK[134]TPK[134]             |          |         |         |
| Q61549 | Q61549 EMR1_MOUSE  | EGF-like module-containing mucin-like hormo    | -1.78116 | 0.00103 | 6.7669  |
|        |                    | 2898 ESVSTGAPGVAFVSFAHMESVLNER[162]            |          |         |         |
|        |                    | 2899 FFEDGQSFR[162]                            |          |         |         |
|        |                    | 2900 VVNYFSSR[162]                             |          |         |         |
|        |                    | 2901 C[174]K[134]EDLILQSEQIQQC[174]QAVQGR[162] |          |         |         |
| Q8VD58 | Q8VD58 EVI2B_MOUSE | EVI2B protein precursor - Mus musculus         | 0.75533  | 0.15834 | 14.4144 |
|        |                    | 2902 STLLADDLEVK[134]                          |          |         |         |
|        |                    | 2903 STLLADDLEVK                               |          |         |         |
|        |                    | 2904 LFESSEHINDTSNLK[134]                      |          |         |         |
|        |                    | 2905 SPFADGETPEMC[174]MDNIR                    |          |         |         |
|        |                    | 2906 SPFADGETPEMC[174]MDNIR[162]               |          |         |         |
|        |                    | 2907 SPFADGETPEMC[174]MDNIRESEASTKR            |          |         |         |
|        |                    | 2908 ASVVSLMTWK[134]PSK[134]                   |          |         |         |
|        |                    | 2909 SPFADGETPEMC[174]MDNIRESEASTK             |          |         |         |
|        |                    | 2910 ASVVSLMTWKPSK                             |          |         |         |
|        |                    | 2911 LFESSEHINDTSNLK                           |          |         |         |
| P18052 | P18052 PTPRA_MOUSE | Receptor-type tyrosine-protein phosphatase a   | 0.37310  | 0.48593 | 25.573  |
|        |                    | 2912 VHLTPVEGVPSDYINASFINGYQEK[134]            |          |         |         |

2913 TGTFC[174]ALSTVLER[162]  
 2914 GMINIIAAVQK[134]  
 2915 VLQIIPYEFNR[162]  
 2916 GMINIIAAVQK  
 2917 TGTFVVIDAMLDMMHSE  
 2918 VVQEYIDAFSDYANFK  
 2919 QQQQSGNHPITVHC[174]SAGAGR  
 2920 VK[134]AEGILDVFQTVK[134]  
 2921 QQQQSGNHPITVHC[174]SAGAGR[162]  
 2922 TGTFVVIDAMLDMMHSE[162]  
 2923 TGNLPANMKK  
 2924 VKAEGILDVFQTVK  
 2925 AEGILDVFQTVK[134]  
 2926 AEGILDVFQTVK  
 2927 TGNLPANMK[134]K[134]  
 2928 VLQIIPYEFNR  
 2929 KVDVYGFVSR  
 2930 GEENTDYVNASFIDGYR  
 2931 GEENTDYVNASFIDGYR[162]  
 2932 DSYIASQGPLLHTIEDFWR[162]  
 2933 TEDVEPQSVPLLAR  
 2934 DSYIASQGPLLHTIEDFWR  
 2935 SC[174]SIVMLTELEER[162]  
 2936 TGTFC[174]ALSTVLER  
 2937 TEDVEPQSVPLLAR[162]  
 2938 LTGSDVNLVAENLLSPEDIVLFHK  
 2939 LTGSDVNLVAENLLSPEDIVLFHK[134]  
 2940 VYWTDVINEAIFSANR  
 2941 SQDGYTYP  
 2942 AVGSIGYLLFTNR  
 2943 NVVALDTEVTNNR  
 2944 TTEDELHIC[174]R

|        |                   |                                                |         |         |        |
|--------|-------------------|------------------------------------------------|---------|---------|--------|
| P35951 | P35951 LDLR_MOUSE | Low-density lipoprotein receptor precursor - N | 1.12381 | 0.03583 | 12.037 |
|--------|-------------------|------------------------------------------------|---------|---------|--------|

|        |                     |                                               |          |         |         |
|--------|---------------------|-----------------------------------------------|----------|---------|---------|
| Q3TD68 | Q3TD68 Q3TD68_MOUSE | 2945 NIYWTDSVPGSVSVADTK[134]                  | -0.23409 | 0.66612 | 5.8315  |
|        |                     | NOD-derived CD11c +ve dendritic cells cDNA, I |          |         |         |
|        |                     | 2946 EKEAQPLEAEAPGVDLGILPEGR                  |          |         |         |
|        |                     | 2947 EK[134]EAQPLEAEAPGVDLGILPEGR[162]        |          |         |         |
|        |                     | 2948 IHPEASHPAAIQQDSC[174]EER                 |          |         |         |
|        |                     | 2949 IHPEASHPAAIQQDSC[174]EER[162]            |          |         |         |
| Q9JL26 | Q9JL26 FMNL_MOUSE   | 2950 FR[162]FPHVDLVVQR[162]                   | 0.11010  | 0.83709 | 27.1481 |
|        |                     | 2951 FRFPHVDLVVQR                             |          |         |         |
|        |                     | Formin-like protein 1 - Mus musculus          |          |         |         |
|        |                     | 2952 TAQEAYESVVEYFGENPK[134]                  |          |         |         |
|        |                     | 2953 NAVLEHMEELQEQVATLTER                     |          |         |         |
|        |                     | 2954 TTSPSMFFSLFSR[162]                       |          |         |         |
|        |                     | 2955 TTSPSMFFSLFSR                            |          |         |         |
|        |                     | 2956 SYLDTGGVSR[162]                          |          |         |         |
|        |                     | 2957 FSESTPMGTSR[162]                         |          |         |         |
|        |                     | 2958 TAQEAYESVVEYFGENPK                       |          |         |         |
|        |                     | 2959 RQQMDLISELKR                             |          |         |         |
|        |                     | 2960 NAVLEHMEELQEQVATLTER[162]                |          |         |         |
|        |                     | 2961 SKPLDQSVEDLSKAPPSSVPK                    |          |         |         |
|        |                     | 2962 SK[134]PLDQSVEDLSK[134]                  |          |         |         |
|        |                     | 2963 ILRGPGDVVSIEILPGAAATPSGDDAQAPR           |          |         |         |
|        |                     | 2964 SKPLDQSVEDLSK                            |          |         |         |
|        |                     | 2965 AGSVSLDSVLGDVR[162]                      |          |         |         |
|        |                     | 2966 AGSVSLDSVLGDVR                           |          |         |         |
|        |                     | 2967 VLQEELDMNDFEEHFK                         |          |         |         |
|        |                     | 2968 LQSLDALLEMK                              |          |         |         |
|        |                     | 2969 FSESTPMGTSR                              |          |         |         |
|        |                     | 2970 SYLDTGGVSR                               |          |         |         |
|        |                     | 2971 LQSLDALLEMK[134]                         |          |         |         |
|        |                     | 2972 NPPAAYIQK[134]                           |          |         |         |
|        |                     | 2973 SQGPC[174]LDISALK                        |          |         |         |
|        |                     | 2974 LRDTENDSMAK                              |          |         |         |
|        |                     | 2975 LR[162]DTENDSMAK[134]                    |          |         |         |

|        |                    |                                               |          |         |        |
|--------|--------------------|-----------------------------------------------|----------|---------|--------|
|        |                    | 2976 NPPAAYIQK                                |          |         |        |
|        |                    | 2977 RRPPGPPLPVTTDLAL                         |          |         |        |
|        |                    | 2978 EAAADTSGREEPPTPK                         |          |         |        |
|        |                    | 2979 EPLIYESDR[162]DGAIEDIITDLR[162]          |          |         |        |
|        |                    | 2980 R[162]QQMDLISELK[134]R[162]              |          |         |        |
|        |                    | 2981 KAEQEVEQWKK                              |          |         |        |
|        |                    | 2982 EPLIYESDRDGAIEDIITDLR                    |          |         |        |
|        |                    | 2983 VLQELDMNDFEEHFK[134]                     |          |         |        |
|        |                    | 2984 K[134]AEQEVEQWK[134]K[134]               |          |         |        |
|        |                    | 2985 R[162]R[162]PPGPPLPVTTDLAL               |          |         |        |
|        |                    | 2986 QPMPAAGELEER[162]                        |          |         |        |
|        |                    | 2987 SQGPC[174]LDISALK[134]                   |          |         |        |
|        |                    | 2988 ANSPTMDKLLADSK                           |          |         |        |
|        |                    | 2989 EAAADTSGR[162]EEPPTPK[134]               |          |         |        |
|        |                    | 2990 ILR[162]GPGDVVSIEILPGAAATPSGDDAQAPR[162] |          |         |        |
| P31996 | P31996 CD68_MOUSE  | Macrosialin precursor - Mus musculus          | 0.49830  | 0.35205 | 9.2025 |
|        |                    | 2991 LQAAQLPDK[134]                           |          |         |        |
|        |                    | 2992 LQAAQLPDK                                |          |         |        |
|        |                    | 2993 ILYPIQGGR[162]                           |          |         |        |
|        |                    | 2994 ILYPIQGGR                                |          |         |        |
|        |                    | 2995 ILYPIQGGR[162]K[134]                     |          |         |        |
|        |                    | 2996 LQAAQLPDK[134]GHFGPC[174]FSC[174]NR[162] |          |         |        |
| A2APV2 | A2APV2 FMNL2_MOUSE | Formin-like protein 2 - Mus musculus          | -0.14554 | 0.78850 | 7.1823 |
|        |                    | 2997 TTPPSVFFPVFVR[162]                       |          |         |        |
|        |                    | 2998 TTPPSVFFPVFVR                            |          |         |        |
|        |                    | 2999 AAASLENVLLDVKELQR                        |          |         |        |
|        |                    | 3000 R[162]VQUESTQVLR[162]                    |          |         |        |
|        |                    | 3001 AAASLENVLLDVK[134]                       |          |         |        |
|        |                    | 3002 GSNLPSPVGNSVSR[162]                      |          |         |        |
|        |                    | 3003 AQGPAIDLSSSK[134]                        |          |         |        |
|        |                    | 3004 VQUESTQVLR                               |          |         |        |
|        |                    | 3005 VQUESTQVLR[162]                          |          |         |        |
|        |                    | 3006 AQGPAIDLSSSK                             |          |         |        |

|        |                     |                                                |          |         |         |
|--------|---------------------|------------------------------------------------|----------|---------|---------|
|        |                     | 3007 AAAVSLENVLLDVK                            |          |         |         |
|        |                     | 3008 LQSLDLLLDTK                               |          |         |         |
| Q61595 | Q61595 KTN1_MOUSE   | Kinectin - Mus musculus                        | -0.50274 | 0.35410 | 10.1733 |
|        |                     | 3009 AHQLSVTSQVQELQNLLR[162]                   |          |         |         |
|        |                     | 3010 QSDQVSFVSLIEDLKR                          |          |         |         |
|        |                     | 3011 TAEHEAAQQDLQSK[134]                       |          |         |         |
|        |                     | 3012 FVAK[134]ENEVQSLHSK[134]                  |          |         |         |
|        |                     | 3013 TAEHEAAQQDLQSK                            |          |         |         |
|        |                     | 3014 AC[174]VAGTSDAEAVK[134]                   |          |         |         |
|        |                     | 3015 SVLAETEGILQK[134]                         |          |         |         |
|        |                     | 3016 DAVSNTTNQLESK[134]                        |          |         |         |
|        |                     | 3017 NAEQAATQLK[134]                           |          |         |         |
|        |                     | 3018 AQQSLNSIHSK[134]                          |          |         |         |
|        |                     | 3019 K[134]R[162]TAEHEAAQQDLQSK[134]           |          |         |         |
|        |                     | 3020 SVEELLEVELLK[134]                         |          |         |         |
| Q91V35 | Q91V35 Q91V35_MOUSE | Protein tyrosin phosphatase receptor type alpl | 0.20856  | 0.69690 | 1.3871  |
|        |                     | 3021 YVNILPYDHSR                               |          |         |         |
|        |                     | 3022 YVNILPYDHSR[162]                          |          |         |         |
| Q810U4 | Q810U4 NRCAM_MOUSE  | Neuronal cell adhesion molecule precursor - N  | 1.94669  | 0.00028 | 13.6146 |
|        |                     | 3023 YIVSGTPTFVPYLIK                           |          |         |         |
|        |                     | 3024 HQAEVSGTQTTAQLK                           |          |         |         |
|        |                     | 3025 SVQLTWTPGDDNNSPITK                        |          |         |         |
|        |                     | 3026 IIKQPEYAVVQR                              |          |         |         |
|        |                     | 3027 TLQITHVSEADSGNYQC[174]IAK                 |          |         |         |
|        |                     | 3028 YIVSGTPTFVPYLIK[134]                      |          |         |         |
|        |                     | 3029 ENIVIQC[174]EAK                           |          |         |         |
|        |                     | 3030 VMAENSIGR                                 |          |         |         |
|        |                     | 3031 DSTGTYTC[174]VAR                          |          |         |         |
|        |                     | 3032 VQALNDVGFAPEPAAVMGHSGEDLPMVAPGNVR         |          |         |         |
|        |                     | 3033 NALGAVHHTISVTVK                           |          |         |         |
|        |                     | 3034 SMPSEASEQYLTK                             |          |         |         |
|        |                     | 3035 ENIVIQC[174]EAK[134]                      |          |         |         |
| O09126 | O09126 SEM4D_MOUSE  | Semaphorin-4D precursor - Mus musculus         | 1.62740  | 0.00237 | 8.7108  |



|        |                   |      |                                              |          |         |         |
|--------|-------------------|------|----------------------------------------------|----------|---------|---------|
|        |                   | 3036 | HGSC[174]EDC[174]VLAR                        |          |         |         |
|        |                   | 3037 | SDFSLEQSVK                                   |          |         |         |
|        |                   | 3038 | TEYAIPWLNEPSFVFADVIQK                        |          |         |         |
|        |                   | 3039 | VPTDREDSQRIDELSAR                            |          |         |         |
|        |                   | 3040 | GKYMQSATVEQSHTK                              |          |         |         |
| P12023 | P12023 A4_MOUSE   |      | Amyloid beta A4 protein precursor - Mus musc | 1.74756  | 0.00110 | 12.3377 |
|        |                   | 3041 | ISYGNDALMPSLTETK                             |          |         |         |
|        |                   | 3042 | C[174]LVGEFVSDALLVPDK                        |          |         |         |
|        |                   | 3043 | WYFDVTEGK                                    |          |         |         |
|        |                   | 3044 | SQVMTHLR                                     |          |         |         |
|        |                   | 3045 | AVIQHFQEKVESLEQEAANER                        |          |         |         |
|        |                   | 3046 | C[174]LVGEFVSDALLVPDKC[174]K                 |          |         |         |
|        |                   | 3047 | ISYGNDALMPSLTETK[134]                        |          |         |         |
|        |                   | 3048 | THTHIVIPYR                                   |          |         |         |
|        |                   | 3049 | C[174]LVGEFVSDALLVPDK[134]                   |          |         |         |
|        |                   | 3050 | C[174]VPFFYGGC[174]GGNR                      |          |         |         |
| P43406 | P43406 ITAV_MOUSE |      | Integrin alpha-V precursor - Mus musculus    | -0.42569 | 0.43266 | 19.9234 |
|        |                   | 3051 | AGTQLLAGLR[162]                              |          |         |         |
|        |                   | 3052 | IYIGDDNPLTLTVK[134]                          |          |         |         |
|        |                   | 3053 | LEVSVNSDQK[134]K[134]                        |          |         |         |
|        |                   | 3054 | QAHILLDC[174]GEDNVC[174]K[134]PK[134]        |          |         |         |
|        |                   | 3055 | QAHILLDC[174]GEDNVC[174]KPK                  |          |         |         |
|        |                   | 3056 | LTPITIFMEYR[162]                             |          |         |         |
|        |                   | 3057 | LTPITIFMEYR                                  |          |         |         |
|        |                   | 3058 | YNNQLATR[162]                                |          |         |         |
|        |                   | 3059 | QVVC[174]DLGNPMK[134]                        |          |         |         |
|        |                   | 3060 | LEVSVNSDQKK                                  |          |         |         |
|        |                   | 3061 | IYIGDDNPLTLTVK                               |          |         |         |
|        |                   | 3062 | YNNQLATR                                     |          |         |         |
|        |                   | 3063 | AGTQLLAGLR                                   |          |         |         |
|        |                   | 3064 | LEVSVNSDQK[134]                              |          |         |         |
|        |                   | 3065 | TVEYAPC[174]R[162]                           |          |         |         |
|        |                   | 3066 | AVGDFQTTK[134]                               |          |         |         |

|        |                   |                                                  |         |         |         |
|--------|-------------------|--------------------------------------------------|---------|---------|---------|
|        |                   | 3067 C[174]QPIEFDSTGNR[162]DYAK[134]DDPLEFK[134] |         |         |         |
|        |                   | 3068 IQSSNSFDNVSPVVSYSK                          |         |         |         |
|        |                   | 3069 IQSSNSFDNVSPVVSYSK[134]                     |         |         |         |
|        |                   | 3070 TEMKQEREPVGTC[174]FLQDGTK                   |         |         |         |
|        |                   | 3071 ILAC[174]APLYHWR                            |         |         |         |
|        |                   | 3072 EPVGTC[174]FLQDGTK                          |         |         |         |
|        |                   | 3073 MFLLVGAPK[134]                              |         |         |         |
|        |                   | 3074 ILAC[174]APLYHWR[162]                       |         |         |         |
|        |                   | 3075 MFLLVGAPK                                   |         |         |         |
|        |                   | 3076 AILNLQWPYK                                  |         |         |         |
|        |                   | 3077 QVVC[174]DLGNPMK                            |         |         |         |
|        |                   | 3078 AILNLQWPYK[134]                             |         |         |         |
|        |                   | 3079 SHQWFGASVR[162]                             |         |         |         |
|        |                   | 3080 EPVGTC[174]FLQDGTK[134]                     |         |         |         |
|        |                   | 3081 SHQWFGASVR                                  |         |         |         |
|        |                   | 3082 AVGDFQTTK[134]LNGFEVFAR[162]                |         |         |         |
| P57716 | P57716 NICA_MOUSE | Nicastrin precursor - Mus musculus               | 0.10716 | 0.84138 | 21.3277 |
|        |                   | 3083 LENIDSFVELGQVALR                            |         |         |         |
|        |                   | 3084 LENIDSFVELGQVALR[162]                       |         |         |         |
|        |                   | 3085 WVLTDGPNPPYMVLEGG                           |         |         |         |
|        |                   | 3086 WVLTDGPNPPYMVLEGG[134]                      |         |         |         |
|        |                   | 3087 SGAGVPEVVL[162]R[162]                       |         |         |         |
|        |                   | 3088 NQVEDLLATLEK[134]                           |         |         |         |
|        |                   | 3089 ADVLFVAPR[162]                              |         |         |         |
|        |                   | 3090 ALANVATVLAR[162]                            |         |         |         |
|        |                   | 3091 LAQSQALPPSSLQR[162]                         |         |         |         |
|        |                   | 3092 NQVEDLLATLEK                                |         |         |         |
|        |                   | 3093 ALANVATVLAR                                 |         |         |         |
|        |                   | 3094 EQC[174]QDPSKVPNESK                         |         |         |         |
|        |                   | 3095 LAQSQALPPSSLQR                              |         |         |         |
|        |                   | 3096 SGAGVPEVVL[162]                             |         |         |         |
|        |                   | 3097 EQC[174]QDPSK[134]VPNESK[134]               |         |         |         |
|        |                   | 3098 ADVLFVAPR                                   |         |         |         |

|        |                     |                                                    |          |         |        |
|--------|---------------------|----------------------------------------------------|----------|---------|--------|
|        |                     | 3099 SGAGVPEVVL                                    |          |         |        |
|        |                     | 3100 RLAQSQALPPSSLQR                               |          |         |        |
|        |                     | 3101 R[162]LAQSQALPPSSLQR[162]                     |          |         |        |
|        |                     | 3102 SGAGVPEVVLRR                                  |          |         |        |
|        |                     | 3103 APDVTTLR                                      |          |         |        |
|        |                     | 3104 APDVTTLR[162]                                 |          |         |        |
|        |                     | 3105 TERLPQC[174]VR                                |          |         |        |
|        |                     | 3106 TER[162]LPQC[174]VR[162]                      |          |         |        |
|        |                     | 3107 WK[134]DIQAR[162]                             |          |         |        |
|        |                     | 3108 ADVLFVAPREPGAVSY                              |          |         |        |
|        |                     | 3109 MVYDMENGKFPVRLNIDSFVELGQVALR                  |          |         |        |
|        |                     | 3110 LPQC[174]VR[162]                              |          |         |        |
| Q3TAA7 | Q3TAA7 S11IP_MOUSE  | Serine/threonine kinase 11-interacting protein     | -0.00016 | 0.99976 | 7.7425 |
|        |                     | 3111 VGPSGAALGTLILR                                |          |         |        |
|        |                     | 3112 AFLEELTGVLQSLPR[162]                          |          |         |        |
|        |                     | 3113 EAVQELLAVLTPFTSVK[134]                        |          |         |        |
|        |                     | 3114 VGPSGAALGTLILR[162]                           |          |         |        |
|        |                     | 3115 AFLEELTGVLQSLPR                               |          |         |        |
|        |                     | 3116 EAVQELLAVLTPFTSVK                             |          |         |        |
|        |                     | 3117 EQQPLSC[174]LSSVQLYR[162]                     |          |         |        |
|        |                     | 3118 DAAHGFLLDGK[134]                              |          |         |        |
|        |                     | 3119 TVTQEALDLDR                                   |          |         |        |
| Q3TYT8 | Q3TYT8 Q3TYT8_MOUSE | Adult inner ear cDNA, RIKEN full-length enrichment | 3.34330  | 0.00000 | 6.0647 |
|        |                     | 3120 NLISNLQQSVDDTSLAIQR                           |          |         |        |
|        |                     | 3121 IKNDFQNLQQVFLQAK                              |          |         |        |
|        |                     | 3122 LTAVESDLKK                                    |          |         |        |
| Q6R5N8 | Q6R5N8 TLR13_MOUSE  | Toll-like receptor 13 precursor - Mus musculus     | 0.01085  | 0.98384 | 6.2563 |
|        |                     | 3123 DFEPGIDIFENIQNAINTSR                          |          |         |        |
|        |                     | 3124 DFEPGIDIFENIQNAINTSR[162]                     |          |         |        |
|        |                     | 3125 ILEPNSFSGLTNLR[162]                           |          |         |        |
|        |                     | 3126 ILEPNSFSGLTNLR                                |          |         |        |
|        |                     | 3127 SFPDFAFSPLK                                   |          |         |        |
|        |                     | 3128 VIQNVYLK[134]                                 |          |         |        |

|        |                    |      |                                               |          |         |         |
|--------|--------------------|------|-----------------------------------------------|----------|---------|---------|
|        |                    | 3129 | VIQNVYLK                                      |          |         |         |
|        |                    | 3130 | HLEFLSLSR[162]                                |          |         |         |
|        |                    | 3131 | HLEFLSLSR                                     |          |         |         |
| Q91Z67 | Q91Z67 FNBP2_MOUSE |      | SLIT-ROBO Rho GTPase-activating protein 2 - N | -0.10584 | 0.84532 | 5.8824  |
|        |                    | 3132 | TNATSPGVNSSASPQATDK                           |          |         |         |
|        |                    | 3133 | TNATSPGVNSSASPQATDK[134]                      |          |         |         |
|        |                    | 3134 | VQLLQDLQDFFR                                  |          |         |         |
|        |                    | 3135 | ANQQETEQQFYFTK[134]                           |          |         |         |
|        |                    | 3136 | ANQQETEQQFYFTK                                |          |         |         |
|        |                    | 3137 | VQLLQDLQDFFR[162]                             |          |         |         |
|        |                    | 3138 | C[174]LDQQC[174]ELR[162]                      |          |         |         |
|        |                    | 3139 | FVQVSEDSGR[162]                               |          |         |         |
|        |                    | 3140 | FVQVSEDSGR                                    |          |         |         |
| Q9JKR6 | Q9JKR6 HYOU1_MOUSE |      | Hypoxia up-regulated protein 1 precursor - M  | 0.10384  | 0.84624 | 26.5265 |
|        |                    | 3141 | AANSLEAFIFETQDK[134]                          |          |         |         |
|        |                    | 3142 | LIPEMDQVFTEVEMTTLEK                           |          |         |         |
|        |                    | 3143 | LYQPEYQEVSTEEQR[162]                          |          |         |         |
|        |                    | 3144 | VLQLINDNTATALSYGVFR[162]                      |          |         |         |
|        |                    | 3145 | EGEKPDEKESGDKPEAQKPNEK                        |          |         |         |
|        |                    | 3146 | LIPEMDQVFTEVEMTTLEK[134]                      |          |         |         |
|        |                    | 3147 | SVQK[134]LEELTLR[162]DLEK[134]                |          |         |         |
|        |                    | 3148 | VAIVKPGVPMEIVLNK                              |          |         |         |
|        |                    | 3149 | SR[162]FPEHELIVDPQR[162]                      |          |         |         |
|        |                    | 3150 | GQAGPEGAAPAPEEDKKPKPAR                        |          |         |         |
|        |                    | 3151 | LYQPEYQEVSTEEQR                               |          |         |         |
|        |                    | 3152 | GQAGPEGAAPAPEEDKKPKPARK                       |          |         |         |
|        |                    | 3153 | SLAEDFAEQPIKDAVITVPAFFNQAER                   |          |         |         |
|        |                    | 3154 | DAVIYPILVEFTR                                 |          |         |         |
|        |                    | 3155 | LPATEK[134]PVLLSK[134]                        |          |         |         |
|        |                    | 3156 | DAVIYPILVEFTR[162]                            |          |         |         |
|        |                    | 3157 | TLGGLEMELR[162]                               |          |         |         |
|        |                    | 3158 | LPATEKPVLLSK                                  |          |         |         |
|        |                    | 3159 | VLQLINDNTATALSYGVFR                           |          |         |         |

|        |                    |                                             |          |         |         |
|--------|--------------------|---------------------------------------------|----------|---------|---------|
|        |                    | 3160 EAGMQPQLQIR[162]                       |          |         |         |
|        |                    | 3161 QADNPHVALYR[162]                       |          |         |         |
|        |                    | 3162 YFQHLLGK[134]                          |          |         |         |
|        |                    | 3163 AEPPLNASAGDQEEK                        |          |         |         |
| Q9WV92 | Q9WV92 E41L3_MOUSE | Band 4.1-like protein 3 - Mus musculus      | -0.12400 | 0.81921 | 24.9731 |
|        |                    | 3164 VESTSVGSISPGGAK[134]                   |          |         |         |
|        |                    | 3165 HQTNISELK[134]R[162]                   |          |         |         |
|        |                    | 3166 HVMSVHASGDASHTAR[162]                  |          |         |         |
|        |                    | 3167 TEPVEAEVESTPHPQPLSTEK[134]             |          |         |         |
|        |                    | 3168 AEEERVEEEDRR                           |          |         |         |
|        |                    | 3169 QQPALEQFPEAAAHSTPVK[134]R[162]         |          |         |         |
|        |                    | 3170 VLQETILVEER[162]                       |          |         |         |
|        |                    | 3171 TFLETSTETALTNEW EK[134]                |          |         |         |
|        |                    | 3172 IR[162]PGEFEQFESTIGFK[134]             |          |         |         |
|        |                    | 3173 VLQETILVEER                            |          |         |         |
|        |                    | 3174 EIGDKDRDFAAAAAK                        |          |         |         |
|        |                    | 3175 GISQTNLITTVTPEK                        |          |         |         |
|        |                    | 3176 DSVSAAEVGTGQYATTK[134]                 |          |         |         |
|        |                    | 3177 HQTNISELKR                             |          |         |         |
|        |                    | 3178 HVMSVHASGDASHTAR                       |          |         |         |
|        |                    | 3179 ASALIDR[162]PAPYFER[162]               |          |         |         |
|        |                    | 3180 VTLLDGSEYGC[174]DV D KR                |          |         |         |
|        |                    | 3181 TEPVEAEVESTPHPQPLSTEK                  |          |         |         |
|        |                    | 3182 TFLETSTETALTNEW EKR                    |          |         |         |
|        |                    | 3183 R[162]ASALIDR[162]PAPYFER[162]         |          |         |         |
|        |                    | 3184 VTLLDGSEYGC[174]DV D K[134]R[162]      |          |         |         |
|        |                    | 3185 VESTSVGSISPGGAK                        |          |         |         |
|        |                    | 3186 QQPALEQFPEAAAHSTPVKR                   |          |         |         |
|        |                    | 3187 QLEYQQFEDDK[134]LSQR[162]              |          |         |         |
|        |                    | 3188 QLEYQQFEDDKLSQR                        |          |         |         |
| Q4PZA2 | Q4PZA2 ECE1_MOUSE  | Endothelin-converting enzyme 1 - Mus muscul | 0.39068  | 0.46561 | 14.8244 |
|        |                    | 3189 NEIVFPAGILQAPFYTR[162]                 |          |         |         |
|        |                    | 3190 NEIVFPAGILQAPFYTR                      |          |         |         |

|        |                     |                                                   |         |         |         |
|--------|---------------------|---------------------------------------------------|---------|---------|---------|
|        |                     | 3191 ATFAEDSKNIASEIIMEIKK                         |         |         |         |
|        |                     | 3192 DNFQDTLQVVTAYHR[162]                         |         |         |         |
|        |                     | 3193 ADAIYNMIGYPNFIMDPK[134]                      |         |         |         |
|        |                     | 3194 C[174]PPGSPMNP HHK                           |         |         |         |
|        |                     | 3195 DNFQDTLQVVTAYHR                              |         |         |         |
|        |                     | 3196 TPESSHEGLITDPHSPSR                           |         |         |         |
|        |                     | 3197 TPESSHEGLITDPHSPSR[162]                      |         |         |         |
|        |                     | 3198 C[174]PPGSPMNP HHK[134]                      |         |         |         |
|        |                     | 3199 VLTGYLNYMVQLGK                               |         |         |         |
|        |                     | 3200 VLTGYLNYMVQLGK[134]                          |         |         |         |
| Q3UZV7 | Q3UZV7 Q3UZV7_MOUSE | Adult male pituitary gland cDNA, RIKEN full-ler   | 0.53190 | 0.32052 | 23.5409 |
|        |                     | 3201 GLQEILYVWNEPK[134]                           |         |         |         |
|        |                     | 3202 IYSITATNAVDGVAASC[174]R[162]                 |         |         |         |
|        |                     | 3203 AC[174]ALGSEQSASSC[174]VPC[174]PPGHYIEK      |         |         |         |
|        |                     | 3204 C[174]KEDSQFSEEGASEC[174]VDRPPC[174]TTK      |         |         |         |
|        |                     | 3205 DYFQIHTPC[174]DEEGKTQIMYK                    |         |         |         |
|        |                     | 3206 C[174]NPMRPGAGVISVPSK                        |         |         |         |
|        |                     | 3207 GLQEILYVWNEPK                                |         |         |         |
|        |                     | 3208 SC[174]PAGTEPALGFEYK[134]                    |         |         |         |
|        |                     | 3209 SC[174]PAGTEPALGFEYK                         |         |         |         |
|        |                     | 3210 TSC[174]FNVGNSK                              |         |         |         |
|        |                     | 3211 EC[174]PADTYLSIHQVYGK[134]                   |         |         |         |
|        |                     | 3212 EK[134]DDHFESVQLK[134]                       |         |         |         |
|        |                     | 3213 WWNVLPANMK                                   |         |         |         |
|        |                     | 3214 C[174]NPMR[162]PGAGVISVPSK[134]              |         |         |         |
|        |                     | 3215 EKDDHFESVQLK                                 |         |         |         |
|        |                     | 3216 IYSITATNAVDGVAASC[174]R                      |         |         |         |
|        |                     | 3217 AC[174]ALGSEQSASSC[174]VPC[174]PPGHYIEK[134] |         |         |         |
|        |                     | 3218 LTDNGEWGSHSVMLK                              |         |         |         |
|        |                     | 3219 EC[174]PADTYLSIHQVYGK                        |         |         |         |
|        |                     | 3220 VAIPNSAVDC[174]SGLPDPVK[134]                 |         |         |         |
|        |                     | 3221 VAIPNSAVDC[174]SGLPDPVK                      |         |         |         |
|        |                     | 3222 IC[174]R[162]EDLTDAIR[162]                   |         |         |         |

|        |                    |      |                                                 |          |         |        |
|--------|--------------------|------|-------------------------------------------------|----------|---------|--------|
|        |                    | 3223 | LTDNGEWGSHSVMLK[134]                            |          |         |        |
|        |                    | 3224 | WWNVLPANMK[134]                                 |          |         |        |
|        |                    | 3225 | SGTNILYWR[162]                                  |          |         |        |
|        |                    | 3226 | TSC[174]FNVGNSK[134]                            |          |         |        |
|        |                    | 3227 | EAC[174]IPC[174]GPGSK                           |          |         |        |
| P15208 | P15208 INSR_MOUSE  |      | Insulin receptor precursor - Mus musculus       | 0.72686  | 0.17463 | 4.5918 |
|        |                    | 3228 | K[134]PGC[174]HQYVIHNNK[134]                    |          |         |        |
|        |                    | 3229 | SHGC[174]TAEGLC[174]C[174]HK                    |          |         |        |
|        |                    | 3230 | KPGC[174]HQYVIHNNK                              |          |         |        |
|        |                    | 3231 | TDSQILKELEESSFR                                 |          |         |        |
|        |                    | 3232 | SHGC[174]TAEGLC[174]C[174]HK[134]               |          |         |        |
|        |                    | 3233 | VC[174]QILEGEK[134]                             |          |         |        |
|        |                    | 3234 | VVVK[134]ESLVISGLR[162]                         |          |         |        |
| O55098 | O55098 STK10_MOUSE |      | Serine/threonine-protein kinase 10 - Mus mus    | -0.08881 | 0.86997 | 10.352 |
|        |                    | 3235 | QIPDQDENPSPAASK[134]                            |          |         |        |
|        |                    | 3236 | IQMDEEKQIPDQDENPSPAASK                          |          |         |        |
|        |                    | 3237 | IK[134]QFSQQEEK[134]R[162]                      |          |         |        |
|        |                    | 3238 | IKQFSQQEKKR                                     |          |         |        |
|        |                    | 3239 | AGNVLMTLEGDIR[162]                              |          |         |        |
|        |                    | 3240 | FYDVELENLER[162]                                |          |         |        |
|        |                    | 3241 | FYDVELENLER                                     |          |         |        |
|        |                    | 3242 | LSEEAEP[162]PTTPSK[134]                         |          |         |        |
|        |                    | 3243 | RFEQEINAK                                       |          |         |        |
|        |                    | 3244 | ALEEDLNQK[134]                                  |          |         |        |
|        |                    | 3245 | AGNVLMTLEGDIR                                   |          |         |        |
|        |                    | 3246 | QQLK[134]DQYFLQR[162]                           |          |         |        |
|        |                    | 3247 | LSEEAEP[162]PTTPSK                              |          |         |        |
| Q60751 | Q60751 IGF1R_MOUSE |      | Insulin-like growth factor 1 receptor precursor | 1.29451  | 0.01562 | 8.303  |
|        |                    | 3248 | TTINNEYNYR                                      |          |         |        |
|        |                    | 3249 | TEAEKQAEKEEAEYR                                 |          |         |        |
|        |                    | 3250 | TTINNEYNYR[162]                                 |          |         |        |
|        |                    | 3251 | ASC[174]ESDVL                                   |          |         |        |
|        |                    | 3252 | LGC[174]SASNFFV                                 |          |         |        |

|        |                 |                                     |         |         |         |
|--------|-----------------|-------------------------------------|---------|---------|---------|
|        |                 | 3253 TVISNLRPFTLYR                  |         |         |         |
|        |                 | 3254 IDIHSC[174]NHEAEK              |         |         |         |
|        |                 | 3255 YGSQVEDQREC[174]VSR            |         |         |         |
|        |                 | 3256 YGSQVEDQQR[162]EC[174]VSR[162] |         |         |         |
|        |                 | 3257 IDIHSC[174]NHEAEK[134]         |         |         |         |
|        |                 | 3258 GVVKDEPETR                     |         |         |         |
|        |                 | 3259 TVISNLR[162]PFTLYR[162]        |         |         |         |
|        |                 | 3260 NC[174]MVAEDFTVK               |         |         |         |
|        |                 | 3261 IGDFGMTR                       |         |         |         |
| P48193 | P48193 41_MOUSE | Protein 4.1 - Mus musculus          | 0.30895 | 0.56394 | 26.8065 |
|        |                 | 3262 EQHPDMSVTK[134]                |         |         |         |
|        |                 | 3263 AEREPEASQKPVRR                 |         |         |         |
|        |                 | 3264 SLDGAAAAESTDR                  |         |         |         |
|        |                 | 3265 SLDGAAAAESTDR[162]             |         |         |         |
|        |                 | 3266 SMTPAQADLEFLENAK               |         |         |         |
|        |                 | 3267 TLNINGQVPTGDGPPLVK[134]        |         |         |         |
|        |                 | 3268 VSLLDDTVYEC[174]VVEK           |         |         |         |
|        |                 | 3269 SEIPTKDVPIVHTETK               |         |         |         |
|        |                 | 3270 HHASISELK[134]K[134]           |         |         |         |
|        |                 | 3271 IVITGDADIDHDQVLVQAIK[134]      |         |         |         |
|        |                 | 3272 HHASISELKK                     |         |         |         |
|        |                 | 3273 IVITGDADIDHDQVLVQAIK           |         |         |         |
|        |                 | 3274 SMTPAQADLEFLENAK[134]          |         |         |         |
|        |                 | 3275 TQVTISDTANAVK[134]             |         |         |         |
|        |                 | 3276 VSLLDDTVYEC[174]VVEK[134]      |         |         |         |
|        |                 | 3277 TLNINGQVPTGDGPPLVK             |         |         |         |
|        |                 | 3278 QASALIDRPAPHFER                |         |         |         |
|        |                 | 3279 TQVTISDTANAVK                  |         |         |         |
|        |                 | 3280 QASALIDR[162]PAPHFER[162]      |         |         |         |
|        |                 | 3281 LSTHSPFR[162]                  |         |         |         |
|        |                 | 3282 SPRPTSAPAIAQSQVTEGPGAPIKK      |         |         |         |
|        |                 | 3283 VVVHQETEISEE                   |         |         |         |
|        |                 | 3284 LTSTDITPK                      |         |         |         |



|        |                    |                                                |         |         |         |
|--------|--------------------|------------------------------------------------|---------|---------|---------|
| Q6P9J9 | Q6P9J9 TM16F_MOUSE | 3285 FYPPDPAQLTEDITR[162]                      | 0.52313 | 0.32857 | 10.6476 |
|        |                    | Transmembrane protein 16F - Mus musculus       |         |         |         |
|        |                    | 3286 SPFGNLTWFTK                               |         |         |         |
|        |                    | 3287 FNYESEDISC[174]PSEK                       |         |         |         |
|        |                    | 3288 VNESVIKPEQEFTAPFEK                        |         |         |         |
|        |                    | 3289 VNESVIK[134]PEQEFTAPFEK[134]              |         |         |         |
|        |                    | 3290 SPFGNLTWFTK[134]                          |         |         |         |
|        |                    | 3291 IGGTVDNSVRPK                              |         |         |         |
|        |                    | 3292 IGGTVDNSVRPKLE                            |         |         |         |
|        |                    | 3293 TPEFEENGK[134]PDSLFFTDGQR[162]            |         |         |         |
| O54988 | O54988 SLK_MOUSE   | 3294 IGGTVDNSVR[162]PK[134]                    | 0.08366 | 0.87584 | 1.6221  |
|        |                    | 3295 QAYESNLIC[174]HGLQLEATR[162]              |         |         |         |
|        |                    | STE20-like serine/threonine-protein kinase - N |         |         |         |
|        |                    | 3296 C[174]HLLVEHETQK                          |         |         |         |
| O89103 | O89103 C1QR1_MOUSE | 3297 C[174]HLLVEHETQK[134]                     | 1.17808 | 0.02779 | 29.9689 |
|        |                    | 3298 LADFGVSAK[134]                            |         |         |         |
|        |                    | Complement component C1q receptor precursor    |         |         |         |
|        |                    | 3299 VTYTTPFQATTSSLEAVPFASVANVAC[174]GDEAK     |         |         |         |
|        |                    | 3300 HVQQALTQLLK[134]                          |         |         |         |
|        |                    | 3301 HVQQALTQLLK                               |         |         |         |
|        |                    | 3302 AESQAPENQYSPTPGTDC[174]                   |         |         |         |
|        |                    | 3303 KPQNAADSYWVPER                            |         |         |         |
|        |                    | 3304 K[134]PQNAADSYWVPER[162]                  |         |         |         |
|        |                    | 3305 TPGIFHWGSSGPLC[174]VSPK                   |         |         |         |
|        |                    | 3306 TPGIFHWGSSGPLC[174]VSPK[134]              |         |         |         |
|        |                    | 3307 WHESPC[174]GTPEAPGNSIEGFLC[174]K          |         |         |         |
|        |                    | 3308 WHESPC[174]GTPEAPGNSIEGFLC[174]K[134]     |         |         |         |
|        |                    | 3309 SETHYFLC[174]NEK                          |         |         |         |
|        |                    | 3310 LLDDLVTCT[174]ASR                         |         |         |         |
|        |                    | 3311 SETHYFLC[174]NEK[134]                     |         |         |         |
|        |                    | 3312 GMC[174]RPLALGGPGR                        |         |         |         |
|        |                    | 3313 C[174]NENGGNLATVK[134]                    |         |         |         |
|        |                    | 3314 C[174]NENGGNLATVK                         |         |         |         |

|        |                     |                                                 |          |         |         |
|--------|---------------------|-------------------------------------------------|----------|---------|---------|
|        |                     | 3315 LLDDLVT[C[174]ASR[162]                     |          |         |         |
|        |                     | 3316 C[174]GC[174]R[162]PGFR[162]               |          |         |         |
|        |                     | 3317 FWIGLQR[162]                               |          |         |         |
|        |                     | 3318 FWIGLQR                                    |          |         |         |
|        |                     | 3319 C[174]NENGGNLATVKSEEEAR                    |          |         |         |
|        |                     | 3320 SEEEARHVQQALTQLLK                          |          |         |         |
|        |                     | 3321 C[174]NENGGNLATVK[134]SEEEAR[162]          |          |         |         |
|        |                     | 3322 LSAAEAQHR[162]                             |          |         |         |
|        |                     | 3323 GMC[174]R[162]PLALGGPGR[162]               |          |         |         |
|        |                     | 3324 LSAAEAQHR                                  |          |         |         |
| Q3TKZ1 | Q3TKZ1 Q3TKZ1_MOUSE | Blastocyst blastocyst cDNA, RIKEN full-length c | -0.74416 | 0.17017 | 12.5839 |
|        |                     | 3325 ALGQAASDSSGPEDMK[134]R[162]                |          |         |         |
|        |                     | 3326 SSIDSEPALVLGPLK[134]                       |          |         |         |
|        |                     | 3327 DGENYVVLLDCTLPR[162]                       |          |         |         |
|        |                     | 3328 DC[174]SIYGEDTVTDEEGK[134]FR[162]          |          |         |         |
|        |                     | 3329 SSIDSEPALVLGPLK                            |          |         |         |
|        |                     | 3330 EQQLAEIETR[162]                            |          |         |         |
| Q6GQT9 | Q6GQT9 Q6GQT9_MOUSE | Nodal modulator 1 - Mus musculus                | -0.74416 | 0.17017 | 4.2834  |
|        |                     | 3331 IQSTVTQPGGK[134]                           |          |         |         |
|        |                     | 3332 IEPPLGWSFEPTNVELR[162]                     |          |         |         |
|        |                     | 3333 IQSTVTQPGGK                                |          |         |         |
|        |                     | 3334 FLLFSSLVNK[134]                            |          |         |         |
|        |                     | 3335 GQPLGPAGVQVSLR[162]                        |          |         |         |
| Q8BMJ2 | Q8BMJ2 SYLC_MOUSE   | Leucyl-tRNA synthetase, cytoplasmic - Mus mus   | 0.27376  | 0.60916 | 6.2818  |
|        |                     | 3336 SFITTDVNPYYDSFVR[162]                      |          |         |         |
|        |                     | 3337 LALADAGDTVEDANFVEAMADAGILR[162]            |          |         |         |
|        |                     | 3338 STGNFLTLSQAVDK[134]FSADGMR[162]            |          |         |         |
|        |                     | 3339 VVYVLPMLTIK[134]                           |          |         |         |
|        |                     | 3340 VVYVLPMLTIK                                |          |         |         |
| Q8BXA1 | Q8BXA1 GOLI4_MOUSE  | Golgi integral membrane protein 4 - Mus musc    | 0.76145  | 0.15500 | 5.8015  |
|        |                     | 3341 QVAHEDGQQQHQEQLR                           |          |         |         |
|        |                     | 3342 QVAHEDGQQQHQEQLR[162]                      |          |         |         |
|        |                     | 3343 LREHQEALHQQR                               |          |         |         |

|        |                     |                                              |          |         |         |
|--------|---------------------|----------------------------------------------|----------|---------|---------|
|        |                     | 3344 LR[162]EHQEALHQQR[162]                  |          |         |         |
|        |                     | 3345 QQQQQQFLAR                              |          |         |         |
| Q8JZZ7 | Q8JZZ7 LPHN2_MOUSE  | Latrophilin-2 (Fragment) - Mus musculus      | 0.44538  | 0.40552 | 14.4781 |
|        |                     | 3346 SGENAASLANELAK[134]                     |          |         |         |
|        |                     | 3347 SGENAASLANELAK                          |          |         |         |
|        |                     | 3348 AIVDTVDNLLR[162]                        |          |         |         |
|        |                     | 3349 AIVDTVDNLLR                             |          |         |         |
|        |                     | 3350 GHVFAGDVSSSVR                           |          |         |         |
|        |                     | 3351 GLGSSIQLSANTVK                          |          |         |         |
|        |                     | 3352 GLGSSIQLSANTVK[134]                     |          |         |         |
|        |                     | 3353 GHVFAGDVSSSVR[162]                      |          |         |         |
|        |                     | 3354 TMMGYWSTQGC[174]K[134]                  |          |         |         |
|        |                     | 3355 TMMGYWSTQGC[174]K                       |          |         |         |
|        |                     | 3356 LVFIIYR[162]                            |          |         |         |
|        |                     | 3357 LVFIIYR                                 |          |         |         |
|        |                     | 3358 LGADLMGR                                |          |         |         |
|        |                     | 3359 AEALSWK[134]                            |          |         |         |
|        |                     | 3360 LMEQLVDILDAQLQELK[134]PSEK[134]         |          |         |         |
|        |                     | 3361 HKELEAPLIPQR                            |          |         |         |
|        |                     | 3362 SENEDIYYK[134]                          |          |         |         |
|        |                     | 3363 SENEDIYYK                               |          |         |         |
| Q3UQ39 | Q3UQ39 Q3UQ39_MOUSE | 15 days embryo head cDNA, RIKEN full-length  | 0.44171  | 0.40941 | 38.5417 |
|        |                     | 3364 C[174]PGSDVIMIESANYGR                   |          |         |         |
|        |                     | 3365 C[174]PGSDVIMIESANYGR[162]              |          |         |         |
|        |                     | 3366 AALPFGLVR[162]                          |          |         |         |
|        |                     | 3367 ELSC[174]EGYSIDLR                       |          |         |         |
|        |                     | 3368 ELSC[174]EGYSIDLR[162]                  |          |         |         |
| Q7TMB8 | Q7TMB8 CYFP1_MOUSE  | Cytoplasmic FMR1-interacting protein 1 - Mus | -0.20811 | 0.70128 | 13.4876 |
|        |                     | 3369 QLQVVPLFGDMQIELAR[162]                  |          |         |         |
|        |                     | 3370 LGTPQQIAIAR[162]                        |          |         |         |
|        |                     | 3371 YLTLDSEFDAMFR[162]                      |          |         |         |
|        |                     | 3372 YSNSEVVTGSGR[162]                       |          |         |         |
|        |                     | 3373 SGDGESTPVEHVR[162]                      |          |         |         |

|        |                    |                                               |          |         |         |
|--------|--------------------|-----------------------------------------------|----------|---------|---------|
|        |                    | 3374 NVIQSVLQAIR[162]                         |          |         |         |
|        |                    | 3375 YSNSEVVTGSGR                             |          |         |         |
|        |                    | 3376 FQILNDEIITILDK[134]                      |          |         |         |
|        |                    | 3377 FINMFAVLDELK[134]                        |          |         |         |
|        |                    | 3378 NVIQSVLQAIR                              |          |         |         |
|        |                    | 3379 SGDGESTPVEHVR                            |          |         |         |
|        |                    | 3380 TMLESLIADK[134]                          |          |         |         |
|        |                    | 3381 C[174]FQPPIHQSLASS                       |          |         |         |
|        |                    | 3382 SSLEGPTILDIEK[134]                       |          |         |         |
|        |                    | 3383 TFLDDPIWR[162]                           |          |         |         |
|        |                    | 3384 TFLDDPIWR                                |          |         |         |
|        |                    | 3385 TVLPFSQEFQR[162]                         |          |         |         |
|        |                    | 3386 TMLESLIADK                               |          |         |         |
|        |                    | 3387 TVEVLEPEVTK                              |          |         |         |
| Q9QUK6 | Q9QUK6 TLR4_MOUSE  | Toll-like receptor 4 precursor - Mus musculus | 0.45534  | 0.39511 | 4.6707  |
|        |                    | 3388 LASLESFPIGQLITLK                         |          |         |         |
|        |                    | 3389 LASLESFPIGQLITLK[134]                    |          |         |         |
|        |                    | 3390 NIDLSFNPLK[134]                          |          |         |         |
|        |                    | 3391 NTYLEWEDNPLGR[162]                       |          |         |         |
|        |                    | 3392 NIDLSFNPLK                               |          |         |         |
| P50429 | P50429 ARSB_MOUSE  | Arylsulfatase B precursor - Mus musculus      | 0.27332  | 0.60973 | 7.4906  |
|        |                    | 3393 TISEGHPSPR[162]                          |          |         |         |
|        |                    | 3394 GTGFVASPLLK[134]                         |          |         |         |
|        |                    | 3395 GTGFVASPLLK                              |          |         |         |
|        |                    | 3396 TISEGHPSPR                               |          |         |         |
|        |                    | 3397 K[134]GTLWEGGIR[162]                     |          |         |         |
|        |                    | 3398 SGGNNWPLR                                |          |         |         |
| Q61490 | Q61490 CD166_MOUSE | CD166 antigen precursor - Mus musculus        | -0.49743 | 0.35921 | 48.8851 |
|        |                    | 3399 QIGDTLPVSC[174]TISASR[162]               |          |         |         |
|        |                    | 3400 SDIQMPFTC[174]SVTTYGPSGQK[134]           |          |         |         |
|        |                    | 3401 HVNKDLGNMEENKK                           |          |         |         |
|        |                    | 3402 SSPSFSSLHYQDAGNYVC[174]ETALQEVEGLK[134]  |          |         |         |
|        |                    | 3403 HVNK[134]DLGNMEENK[134]K[134]            |          |         |         |

3404 QIGDTLPVSC[174]TISASR  
3405 ESLTLIVEGKPQIK  
3406 FVC[174]MLVTEDNVFEAPTLVK  
3407 SSNTYTLTDVR[162]R[162]  
3408 LDVPQNL MFGK[134]  
3409 SVQYDDVPEYK[134]DR[162]  
3410 VLQPVEGEVAILFKK  
3411 EIDPGTQLYTVTSSLEYK  
3412 EIDPGTQLYTVTSSLEYK[134]  
3413 FVC[174]MLVTEDNVFEAPTLVK[134]  
3414 SDIQMPFTC[174]SVTYYGPSGQK  
3415 TTR[162]SDIQMPFTC[174]SVTYYGPSGQK[134]  
3416 APFLETDQLK[134]K[134]  
3417 NMAASTTITVHYLDLSLNPSGEVTK  
3418 WKYEKPDGSPVFIAFR  
3419 LDVPQNL MFGK  
3420 VLQPVEGEVAILFK[134]K[134]  
3421 ESLTLIVEGK[134]PQIK[134]  
3422 VLQPVEGEVAILFK[134]  
3423 APFLETDQLK  
3424 KSVQYDDVPEYKDR  
3425 C[174]SLIDK[134]R[162]  
3426 VFKQPSKPEIVNKAPFLETDQLK  
3427 APFLETDQLK[134]  
3428 SSNTYTLTDVR[162]  
3429 SSPSFSSLHYQDAGNYVC[174]ETALQEVEGLKKR  
3430 SSNTYTLTDVRR  
3431 SVQYDDVPEYKDR  
3432 SSNTYTLTDVR  
3433 VFK[134]QPSK[134]PEIVNK[134]  
3434 APFLETDQLKK  
3435 WK[134]YEK[134]PDGSPVFIAFR[162]  
3436 VFKQPSKPEIVNK

|        |                    |                                         |          |         |         |
|--------|--------------------|-----------------------------------------|----------|---------|---------|
|        |                    | 3437 VLQPVGEVAILFK                      |          |         |         |
|        |                    | 3438 SSPSFSSLHYQDAGNYVC[174]ETALQEVEGLK |          |         |         |
|        |                    | 3439 TIYSEQEIFDIYYPTEQVTIQVLPPK         |          |         |         |
|        |                    | 3440 YEK[134]PDGSPVFIAFR[162]           |          |         |         |
|        |                    | 3441 NMAASTTITVHYLDLSLNPSGEVTK[134]     |          |         |         |
|        |                    | 3442 YEKPDGSPVFIAFR                     |          |         |         |
|        |                    | 3443 K[134]SVQYDDVPEYK[134]DR[162]      |          |         |         |
|        |                    | 3444 TIYSEQEIFDIYYPTEQVTIQVLPPK[134]    |          |         |         |
| Q3U7R1 | Q3U7R1 ESYT1_MOUSE | Extended-synaptotagmin-1 - Mus musculus | -0.92306 | 0.08887 | 18.4066 |
|        |                    | 3445 ALTLGALTPLAR[162]                  |          |         |         |
|        |                    | 3446 ATYSTNSPVWEEAFR[162]               |          |         |         |
|        |                    | 3447 LLVPLVPDLQDVAQLR                   |          |         |         |
|        |                    | 3448 LLVPLVPDLQDVAQLR[162]              |          |         |         |
|        |                    | 3449 ALTLGALTPLAR                       |          |         |         |
|        |                    | 3450 SQELDVQVKDDSR                      |          |         |         |
|        |                    | 3451 SQELDVQVK[134]DDSR[162]            |          |         |         |
|        |                    | 3452 GITSR[162]PEPPSAAILVVYLDR[162]     |          |         |         |
|        |                    | 3453 LTPR[162]PTAAELEEVLQVNSLIQTQK[134] |          |         |         |
|        |                    | 3454 K[134]PHAESLELQVR[162]             |          |         |         |
|        |                    | 3455 GANPHLQTFTFTR[162]                 |          |         |         |
|        |                    | 3456 SSELAAALLSVFLER[162]               |          |         |         |
|        |                    | 3457 IHVLEAQDLIAK[134]DR[162]           |          |         |         |
|        |                    | 3458 IHVLEAQDLIAK[134]                  |          |         |         |
|        |                    | 3459 VGTQTFC[174]SR[162]                |          |         |         |
|        |                    | 3460 LLAETVAPAVR[162]                   |          |         |         |
|        |                    | 3461 GANPHLQTFTFTR                      |          |         |         |
|        |                    | 3462 SSELAAALLSVFLER                    |          |         |         |
|        |                    | 3463 IHVLEAQDLIAKDR                     |          |         |         |
|        |                    | 3464 FFLQDPR[162]                       |          |         |         |
|        |                    | 3465 LTHGDSPSEAPVGPLGQVK[134]           |          |         |         |
|        |                    | 3466 FFLQDPR                            |          |         |         |
|        |                    | 3467 VGTQTFC[174]SR                     |          |         |         |
| O35375 | O35375 NRP2_MOUSE  | Neuropilin-2 precursor - Mus musculus   | 0.28080  | 0.59998 | 9.7744  |

|        |                    |                                              |          |         |        |
|--------|--------------------|----------------------------------------------|----------|---------|--------|
|        |                    | 3468 IFQANNDATEVVLNK[134]                    |          |         |        |
|        |                    | 3469 IFQANNDATEVVLNK                         |          |         |        |
|        |                    | 3470 LISPPVHLPR                              |          |         |        |
|        |                    | 3471 IANEQISASSTFSDGR                        |          |         |        |
|        |                    | 3472 IANEQISASSTFSDGR[162]                   |          |         |        |
|        |                    | 3473 FLTMLTAIATQGAISR                        |          |         |        |
|        |                    | 3474 GGDSITAVEAR                             |          |         |        |
|        |                    | 3475 LFEGNMHYDTPDIR[162]                     |          |         |        |
|        |                    | 3476 LISPPVHLPR[162]                         |          |         |        |
|        |                    | 3477 GGDSITAVEAR[162]                        |          |         |        |
|        |                    | 3478 WSPAGIGMR[162]                          |          |         |        |
|        |                    | 3479 WSPAGIGMR                               |          |         |        |
| P27046 | P27046 MA2A1_MOUSE | Alpha-mannosidase 2 - Mus musculus           | 0.42576  | 0.42652 | 2.1739 |
|        |                    | 3480 LLAENNEIISNIR                           |          |         |        |
|        |                    | 3481 IIGDSAFLILK[134]                        |          |         |        |
|        |                    | 3482 IIGDSAFLILK                             |          |         |        |
| P97797 | P97797 SHPS1_MOUSE | Tyrosine-protein phosphatase non-receptor ty | -0.00083 | 0.99878 | 19.883 |
|        |                    | 3483 LLIYSFTGEHFPR[162]                      |          |         |        |
|        |                    | 3484 LLIYSFTGEHFPR                           |          |         |        |
|        |                    | 3485 VIC[174]EVAHITLDR[162]                  |          |         |        |
|        |                    | 3486 AQPAPKPEPSFSEYASVQVQR                   |          |         |        |
|        |                    | 3487 AQPAPK[134]PEPSFSEYASVQVQR[162]         |          |         |        |
|        |                    | 3488 HDQQPAITR[162]                          |          |         |        |
|        |                    | 3489 ISNVTPEDAGTYYC[174]VK[134]              |          |         |        |
|        |                    | 3490 HDQQPAITR                               |          |         |        |
|        |                    | 3491 VIC[174]EVAHITLDR                       |          |         |        |
|        |                    | 3492 NNMDFSIR[162]                           |          |         |        |
|        |                    | 3493 NNMDFSIR                                |          |         |        |
|        |                    | 3494 VIC[174]EVAHITLDR[162]SPLR[162]         |          |         |        |
|        |                    | 3495 VIC[174]EVAHITLDRSPLR                   |          |         |        |
|        |                    | 3496 APEPNNHTEYASJETGK                       |          |         |        |
|        |                    | 3497 APEPNNHTEYASJETGK[134]                  |          |         |        |
|        |                    | 3498 AQPAPKPEPSFSEYASVQVQRK                  |          |         |        |

|        |                     |                                                 |          |         |         |
|--------|---------------------|-------------------------------------------------|----------|---------|---------|
|        |                     | 3499 RNNMDFSIR                                  |          |         |         |
|        |                     | 3500 ISNVTPEDAGTYYC[174]VK                      |          |         |         |
|        |                     | 3501 R[162]NNMDFSIR[162]                        |          |         |         |
|        |                     | 3502 AQPAPK[134]PEPSFSEYASVQVQR[162]K[134]      |          |         |         |
| Q8BWW9 | Q8BWW9 PKN2_MOUSE   | Serine/threonine-protein kinase N2 - Mus mus    | 1.27376  | 0.01737 | 14.3438 |
|        |                     | 3503 AIPTVNHSGTFSPQTPVPATVPVVDAR                |          |         |         |
|        |                     | 3504 AIPTVNHSGTFSPQTPVPATVPVVDAR[162]           |          |         |         |
|        |                     | 3505 IPDLAPPASDSTVTKLDFDLEPEPPPAPPR             |          |         |         |
|        |                     | 3506 ASSLGETDESSELRL[162]                       |          |         |         |
|        |                     | 3507 ASSLGETDESSELRL                            |          |         |         |
|        |                     | 3508 LGAGEKDAEDVKK                              |          |         |         |
|        |                     | 3509 TLPFSENVSAVQK                              |          |         |         |
|        |                     | 3510 TLPFSENVSAVQK[134]                         |          |         |         |
|        |                     | 3511 FQFSLQDFR                                  |          |         |         |
|        |                     | 3512 SSVVIEELSLVASPTLSPL[162]                   |          |         |         |
|        |                     | 3513 DLK[134]LDNLLDTEGFVK[134]                  |          |         |         |
| Q8K394 | Q8K394 PLCL2_MOUSE  | Inactive phospholipase C-like protein 2 - Mus r | 0.06319  | 0.90605 | 2.5709  |
|        |                     | 3514 GAAGGALPTSPSPALGAK                         |          |         |         |
|        |                     | 3515 GAAGGALPTSPSPALGAK[134]                    |          |         |         |
|        |                     | 3516 TPSPAAGPVPR[162]                           |          |         |         |
|        |                     | 3517 TPSPAAGPVPR                                |          |         |         |
| Q9EPU0 | Q9EPU0 RENT1_MOUSE  | Regulator of nonsense transcripts 1 - Mus mus   | -0.25873 | 0.63343 | 2.4911  |
|        |                     | 3518 IAFFTLPK[134]                              |          |         |         |
|        |                     | 3519 IPSEQEQLR[162]                             |          |         |         |
|        |                     | 3520 ALVEGPLNNLR[162]                           |          |         |         |
| Q2M4I8 | Q2M4I8 Q2M4I8_MOUSE | Ptpns1 - Mus musculus                           | 0.39533  | 0.46032 | 15.5206 |
|        |                     | 3521 EITQIQDTNDINDITYADLNLPK[134]               |          |         |         |
|        |                     | 3522 EITQIQDTNDINDITYADLNLPK                    |          |         |         |
|        |                     | 3523 EITQIQDTNDINDITYADLNLPKEK                  |          |         |         |
|        |                     | 3524 EITQIQDTNDINDITYADLNLPK[134]EK[134]        |          |         |         |
|        |                     | 3525 GSSEPDTEIQSGGGTEVYVLAKPSPPEVSGPADR         |          |         |         |
|        |                     | 3526 WFK[134]DGQELHPLETTVNPSGK[134]             |          |         |         |
| Q91XV3 | Q91XV3 BASP_MOUSE   | Brain acid soluble protein 1 - Mus musculus     | -0.04401 | 0.93534 | 63.7168 |



|        |                   |      |                                             |         |         |         |
|--------|-------------------|------|---------------------------------------------|---------|---------|---------|
|        |                   | 3527 | ETPAASEAPSSAAK[134]                         |         |         |         |
|        |                   | 3528 | SDAAPAASDSK[134]PSSAEPAPSSK[134]            |         |         |         |
|        |                   | 3529 | SDAAPAASDSKPSSAEPAPSSK                      |         |         |         |
|        |                   | 3530 | AGEASAESTGAADGAAPEEGEAK[134]                |         |         |         |
|        |                   | 3531 | ETPAASEAPSSAAK                              |         |         |         |
|        |                   | 3532 | APAPAAPAAAEPQAEAPAAAASSEQSVAVK[134]E        |         |         |         |
|        |                   | 3533 | AGEASAESTGAADGAAPEEGEAKKTEAPAAAAGPEAK       |         |         |         |
|        |                   | 3534 | KTEAPAAAAGPEAK                              |         |         |         |
|        |                   | 3535 | K[134]TEAPAAAAGPEAK[134]                    |         |         |         |
|        |                   | 3536 | SDAAPAASDSKPSSAEPAPSSKETPAASEAPSSAAK        |         |         |         |
|        |                   | 3537 | AGEASAESTGAADGAAPEEGEAK                     |         |         |         |
|        |                   | 3538 | APAPAAPAAAEPQAEAPAAAASSEQSVAVKE             |         |         |         |
|        |                   | 3539 | AEGAGTEEEGTPKESEPQAAADATEVK                 |         |         |         |
|        |                   | 3540 | AGEASAESTGAADGAAPEEGEAKK                    |         |         |         |
|        |                   | 3541 | ESEPQAAADATEVK[134]                         |         |         |         |
|        |                   | 3542 | ESEPQAAADATEVK                              |         |         |         |
|        |                   | 3543 | EADKAAAAKEEAPK                              |         |         |         |
|        |                   | 3544 | TEAPAAAAGPEAK[134]                          |         |         |         |
|        |                   | 3545 | TEAPAAAAGPEAK                               |         |         |         |
| P52332 | P52332 JAK1_MOUSE |      | Tyrosine-protein kinase JAK1 - Mus musculus | 0.21830 | 0.68349 | 21.1622 |
|        |                   | 3546 | YDPEGDNTGEQVAVK                             |         |         |         |
|        |                   | 3547 | YDPEGDNTGEQVAVK[134]                        |         |         |         |
|        |                   | 3548 | EGIDSDIGPFIK                                |         |         |         |
|        |                   | 3549 | EGIDSDIGPFIK[134]                           |         |         |         |
|        |                   | 3550 | LSDPGIPVSVLTR[162]                          |         |         |         |
|        |                   | 3551 | NVLVESEHQVK                                 |         |         |         |
|        |                   | 3552 | LSSREEALSFVSLVDGYFR                         |         |         |         |
|        |                   | 3553 | LSSR[162]EEALSFVSLVDGYFR[162]               |         |         |         |
|        |                   | 3554 | QLASALSYLEDKDLVHGNNVC[174]TK                |         |         |         |
|        |                   | 3555 | RVPEATPLLDASSLEYLFAQGQYDLIK                 |         |         |         |
|        |                   | 3556 | SLKPESGGNHIADLKK                            |         |         |         |
|        |                   | 3557 | LIMEFLPSGSLK[134]                           |         |         |         |
|        |                   | 3558 | K[134]SDALTPWK[134]                         |         |         |         |

3559 IPWIAPEC[174]VEDSK[134]  
 3560 QEGSEEGMYVLR[162]  
 3561 LSDPGIPVSVLTR  
 3562 LIMEFLPSGSLK  
 3563 IPWIAPEC[174]VEDSK  
 3564 C[174]R[162]PVTPSC[174]K[134]  
 3565 C[174]RPVTPSC[174]K  
 3566 TDNISFVLK[134]R[162]  
 3567 EISNLLVATKK  
 3568 NVLVESEHQVK[134]  
 3569 IGDFGLTK  
 3570 NLYHENIVK  
 3571 KSDALTPWK  
 3572 NLYHENIVK[134]  
 3573 SLK[134]PESGGNHIADLK[134]K[134]  
 3574 IGDFGLTK[134]  
 3575 DIIQGEHLGR[162]  
 3576 EISNLLVATK  
 3577 DIIQGEHLGR  
 3578 LIMEFLPSGSLKEYLPK  
 3579 LIMEFLPSGSLK[134]EYLPK[134]  
 3580 LDEAQEAEC[174]QVLK[134]  
 3581 AGNILLTEPGQVK  
 3582 AGNILLTEPGQVK[134]  
 3583 HNLEQDLVR[162]  
 3584 ASDPQSPPQVSR[162]  
 3585 ASDPQSPPQVSR  
 3586 LQHQTETLNQLEYNK[134]  
 3587 K[134]FQQHIQAQK[134]  
 3588 FQQHIQAQK[134]  
 3589 TNEVVAIK[134]K[134]  
 3590 ER[162]PETVLIDLIQR[162]

|        |                    |                                              |          |         |         |
|--------|--------------------|----------------------------------------------|----------|---------|---------|
| Q5F2E8 | Q5F2E8 TAOK1_MOUSE | Serine/threonine-protein kinase TAO1 - Mus n | -0.25920 | 0.63282 | 12.6873 |
|--------|--------------------|----------------------------------------------|----------|---------|---------|

|        |                    |                                               |         |         |        |
|--------|--------------------|-----------------------------------------------|---------|---------|--------|
|        |                    | 3591 ELNSFLESQK[134]R[162]                    |         |         |        |
|        |                    | 3592 MQAEAQHDR[162]ELR[162]                   |         |         |        |
|        |                    | 3593 ELDNLQYR[162]K[134]                      |         |         |        |
| Q61739 | Q61739 ITA6_MOUSE  | Integrin alpha-6 precursor - Mus musculus     | 0.52623 | 0.32571 | 16.132 |
|        |                    | 3594 LIATFPDTLTYSAYR[162]                     |         |         |        |
|        |                    | 3595 YTQELTLNR[162]                           |         |         |        |
|        |                    | 3596 YTQELTLNR                                |         |         |        |
|        |                    | 3597 DFHYIVFGAPGTYNWK[134]                    |         |         |        |
|        |                    | 3598 FGSC[174]QQGVAATFTK                      |         |         |        |
|        |                    | 3599 FGSC[174]QQGVAATFTK[134]                 |         |         |        |
|        |                    | 3600 GIVSKDDITFVSGAPR                         |         |         |        |
|        |                    | 3601 GIVSK[134]DDITFVSGAPR[162]               |         |         |        |
|        |                    | 3602 NSYPDLAVGSLSDSVTIFR                      |         |         |        |
|        |                    | 3603 NSYPDLAVGSLSDSVTIFR[162]                 |         |         |        |
|        |                    | 3604 EGNQDK[134]FSYLPQK[134]                  |         |         |        |
|        |                    | 3605 EGNQDKFSYLPQK                            |         |         |        |
|        |                    | 3606 VNSLPEVLPILNSNEAK[134]                   |         |         |        |
|        |                    | 3607 VNSLPEVLPILNSNEAK                        |         |         |        |
|        |                    | 3608 LIATFPDTLTYSAYR                          |         |         |        |
|        |                    | 3609 TGGLYSC[174]DITSR                        |         |         |        |
|        |                    | 3610 GLEQIVC[174]EPHNEINYLK[134]              |         |         |        |
|        |                    | 3611 LLLVGAPR                                 |         |         |        |
|        |                    | 3612 SR[162]PVINILK[134]                      |         |         |        |
|        |                    | 3613 SRPVINILK                                |         |         |        |
|        |                    | 3614 VVTC[174]AHR[162]YEK[134]                |         |         |        |
| P98195 | P98195 ATP9B_MOUSE | Probable phospholipid-transporting ATPase IIE | 0.44171 | 0.40941 | 5.6719 |
|        |                    | 3615 TLTEEYQDFESR                             |         |         |        |
|        |                    | 3616 TYQASSPDEVALVR                           |         |         |        |
|        |                    | 3617 TLTEEYQDFESR[162]                        |         |         |        |
|        |                    | 3618 TYQASSPDEVALVR[162]                      |         |         |        |
|        |                    | 3619 TSTIPEELGR[162]                          |         |         |        |
|        |                    | 3620 TSTIPEELGR                               |         |         |        |
|        |                    | 3621 AIALC[174]HNVTPVYEAR                     |         |         |        |

|        |                    |                                                 |          |         |         |
|--------|--------------------|-------------------------------------------------|----------|---------|---------|
| Q09143 | Q09143 CTR1_MOUSE  | 3622 TQDIHVFRPVTSR                              | 0.52338  | 0.32834 | 10.1286 |
|        |                    | High affinity cationic amino acid transporter 1 |          |         |         |
|        |                    | 3623 TPDSNLDQC[174]K[134]                       |          |         |         |
|        |                    | 3624 TPDSNLDQC[174]K                            |          |         |         |
|        |                    | 3625 TTEELDRVDQNELVSASESQTGFLPVAEK              |          |         |         |
| O35601 | O35601 FYB_MOUSE   | 3626 VIYAMAEDGLLFK[134]                         | -0.67377 | 0.21427 | 4.884   |
|        |                    | 3627 NLLGLGQQMLR                                |          |         |         |
|        |                    | FYN-binding protein - Mus musculus              |          |         |         |
|        |                    | 3628 VAGQSSPSGIQSR[162]                         |          |         |         |
|        |                    | 3629 VAGQSSPSGIQSR                              |          |         |         |
| P15920 | P15920 VPP2_MOUSE  | 3630 VSESDNNEGSSLPSQHK                          | 0.21150  | 0.69284 | 13.4346 |
|        |                    | 3631 VSESDNNEGSSLPSQHK[134]                     |          |         |         |
|        |                    | 3632 TNAWSWGILK[134]                            |          |         |         |
|        |                    | Vacuolar proton translocating ATPase 116 kDa    |          |         |         |
|        |                    | 3633 LGFVSGLIQQGR[162]                          |          |         |         |
|        |                    | 3634 DLNQNVSSFQR                                |          |         |         |
|        |                    | 3635 GPYPFGIDPIWNLATNR[162]                     |          |         |         |
|        |                    | 3636 FVPFSFSLSSK[134]                           |          |         |         |
|        |                    | 3637 DLNQNVSSFQR[162]                           |          |         |         |
|        |                    | 3638 NLELVEYTHMLR[162]                          |          |         |         |
|        |                    | 3639 GPYPFGIDPIWNLATNR                          |          |         |         |
|        |                    | 3640 R[162]EIQEGLNTR[162]                       |          |         |         |
|        |                    | 3641 LGFVSGLIQQGR                               |          |         |         |
|        |                    | 3642 IQDLYTVLHK[134]TEDYLR[162]                 |          |         |         |
|        |                    | 3643 FVPFSFSLSSK                                |          |         |         |
| P13597 | P13597 ICAM1_MOUSE | 3644 ILVYLVQEITR[162]                           | -0.94976 | 0.08001 | 24.3948 |
|        |                    | 3645 NLELVEYTHMLR                               |          |         |         |
|        |                    | 3646 TLQLDPNIPGVFR[162]                         |          |         |         |
|        |                    | 3647 TLQLDPNIPGVFR                              |          |         |         |
|        |                    | Intercellular adhesion molecule 1 precursor - N |          |         |         |
|        |                    | 3648 C[174]VLELADQILETQR[162]                   |          |         |         |
|        |                    | 3649 C[174]VLELADQILETQR                        |          |         |         |
|        |                    | 3650 LDTPDLLEVGTQQK[134]                        |          |         |         |

|        |                    |                                               |          |         |         |
|--------|--------------------|-----------------------------------------------|----------|---------|---------|
|        |                    | 3651 LFC[174]SLEGLFPASEAR[162]                |          |         |         |
|        |                    | 3652 TQLSAVLLR[162]GEEILSR[162]               |          |         |         |
|        |                    | 3653 TQLSAVLLRGEEILSR                         |          |         |         |
|        |                    | 3654 LDTPDLLEVGTQQK                           |          |         |         |
|        |                    | 3655 LFC[174]SLEGLFPASEAR                     |          |         |         |
|        |                    | 3656 EITFTVLASR[162]                          |          |         |         |
|        |                    | 3657 C[174]QAWGNPSPK[134]                     |          |         |         |
|        |                    | 3658 TFDLPATIPK[134]                          |          |         |         |
|        |                    | 3659 AQEEAIK[134]LK[134]GQAPPP                |          |         |         |
|        |                    | 3660 K[134]ADGALLPIGVVK[134]                  |          |         |         |
|        |                    | 3661 TFDLPATIPKLDTPDLLEVGTQQK                 |          |         |         |
|        |                    | 3662 TFDLPATIPK[134]LDTPDLLEVGTQQK[134]       |          |         |         |
|        |                    | 3663 TFDLPATIPK                               |          |         |         |
|        |                    | 3664 EITFTVLASR                               |          |         |         |
|        |                    | 3665 C[174]QAWGNPSPK                          |          |         |         |
|        |                    | 3666 TQLSAVLLR[162]                           |          |         |         |
|        |                    | 3667 RKADGALLPIGVVK                           |          |         |         |
|        |                    | 3668 R[162]K[134]ADGALLPIGVVK[134]            |          |         |         |
|        |                    | 3669 SFFC[174]SAALEVAGK[134]                  |          |         |         |
|        |                    | 3670 KADGALLPIGVVK                            |          |         |         |
| Q8R5M8 | Q8R5M8 CADM1_MOUSE | Cell adhesion molecule 1 precursor - Mus mus  | 0.09130  | 0.86461 | 28.9474 |
|        |                    | 3671 C[174]EASNIVGK                           |          |         |         |
|        |                    | 3672 C[174]EASNIVGK[134]                      |          |         |         |
|        |                    | 3673 EGDAFELTC[174]EAIGK[134]PQPVMVTWVR[162]  |          |         |         |
|        |                    | 3674 EGDAFELTC[174]EAIGKPQPVMVTWVR            |          |         |         |
|        |                    | 3675 DFRPLKDSR                                |          |         |         |
|        |                    | 3676 YLEVQYK[134]PQVHIQMTYPLQGLTR[162]        |          |         |         |
|        |                    | 3677 GKSEVEEWSDMYTVTSQLMLK                    |          |         |         |
|        |                    | 3678 YFC[174]QLYTDPPQESYTTITVLVPPR[162]       |          |         |         |
|        |                    | 3679 DFR[162]PLK[134]DSR[162]                 |          |         |         |
|        |                    | 3680 GTYFTHEAK[134]                           |          |         |         |
|        |                    | 3681 SDDSVIQLLNPNR                            |          |         |         |
| Q9R117 | Q9R117 TYK2_MOUSE  | Non-receptor tyrosine-protein kinase TYK2 - N | -0.25873 | 0.63343 | 2.1186  |

|        |                     |                                                |          |         |         |
|--------|---------------------|------------------------------------------------|----------|---------|---------|
|        |                     | 3682 LSDPGVGQGALSR[162]                        |          |         |         |
|        |                     | 3683 LGLEEGTNPFIK                              |          |         |         |
|        |                     | 3684 LSDPGVGQGALSR                             |          |         |         |
|        |                     | 3685 LGLEEGTNPFIK[134]                         |          |         |         |
| Q9JHJ3 | Q9JHJ3 CA085_MOUSE  | Uncharacterized protein C1orf85 homolog pre    | 0.20070  | 0.70779 | 9.901   |
|        |                     | 3686 LLHTADV[174]QLEVALVGASPR[162]             |          |         |         |
|        |                     | 3687 LLHTADV[174]QLEVALVGASPR                  |          |         |         |
|        |                     | 3688 QVSMEVISGWPNPQNLLHIR[162]                 |          |         |         |
|        |                     | 3689 QVSMEVISGWPNPQNLLHIR                      |          |         |         |
| O88568 | O88568 O88568_MOUSE | Heterogenous nuclear ribonucleoprotein U - N   | -0.45409 | 0.40260 | 24.0602 |
|        |                     | 3690 NFILDQTNVSAAAQR[162]                      |          |         |         |
|        |                     | 3691 HAAENPGK[134]YNILGTNTIMDK[134]            |          |         |         |
|        |                     | 3692 KAEVEGKDLPEHAVLK                          |          |         |         |
|        |                     | 3693 NFILDQTNVSAAAQR                           |          |         |         |
|        |                     | 3694 GYFEYIEENK[134]YSR[162]                   |          |         |         |
|        |                     | 3695 VSELKEELKK                                |          |         |         |
|        |                     | 3696 DLPEHAVLK[134]                            |          |         |         |
|        |                     | 3697 LLEQYK[134]EESK[134]                      |          |         |         |
|        |                     | 3698 DIDIHEVR[162]                             |          |         |         |
|        |                     | 3699 EKPYFPIPEDC[174]TFIQNVPLEDR               |          |         |         |
|        |                     | 3700 HAAENPGKYNILGTNTIMDK                      |          |         |         |
|        |                     | 3701 LQAALDNEAGGR[162]PAMEPGNGSLDLGGDAAGR[162] |          |         |         |
|        |                     | 3702 EK[134]PYFPIPEDC[174]TFIQNVPLEDR[162]     |          |         |         |
|        |                     | 3703 AVVVC[174]PK[134]DEDYK[134]QR[162]        |          |         |         |
|        |                     | 3704 GYFEYIEENKYSR                             |          |         |         |
|        |                     | 3705 AEVEGKDLPEHAVLK                           |          |         |         |
|        |                     | 3706 QMADTGKLNLLQR                             |          |         |         |
|        |                     | 3707 NGQDLGVAFK[134]                           |          |         |         |
|        |                     | 3708 AVVVC[174]PKDEDYKQR                       |          |         |         |
|        |                     | 3709 AEVEGK[134]DLPEHAVLK[134]                 |          |         |         |
|        |                     | 3710 MMVAGFKK                                  |          |         |         |
|        |                     | 3711 LLEQYKEESK                                |          |         |         |
|        |                     | 3712 LLEQYK[134]EESK[134]K[134]                |          |         |         |

|        |                     |                                              |          |         |         |
|--------|---------------------|----------------------------------------------|----------|---------|---------|
|        |                     | 3713 DIDIHEVR                                |          |         |         |
|        |                     | 3714 DLPEHAVLK                               |          |         |         |
| Q69ZJ4 | Q69ZJ4 Q69ZJ4_MOUSE | Oxysterol-binding protein (Fragment) - Mus m | -0.04372 | 0.93577 | 6.5268  |
|        |                     | 3715 AINAKDQTEATQEK                          |          |         |         |
|        |                     | 3716 LFELDPLTGEWHYK[134]                     |          |         |         |
|        |                     | 3717 AINAK[134]DQTEATQEK[134]                |          |         |         |
| Q6ZPF4 | Q6ZPF4 FMNL3_MOUSE  | Formin-like protein 3 - Mus musculus         | -0.31170 | 0.56561 | 8.0739  |
|        |                     | 3718 TAEAYNAVVR                              |          |         |         |
|        |                     | 3719 TAEAYNAVVR[162]                         |          |         |         |
|        |                     | 3720 DGTIEDIITVLK[134]                       |          |         |         |
|        |                     | 3721 LQSFLDPNVTR[162]                        |          |         |         |
|        |                     | 3722 AQGPALDLIC[174]SK[134]                  |          |         |         |
|        |                     | 3723 FFC[174]DAAHHDESNC[174]                 |          |         |         |
|        |                     | 3724 SYK[134]EAEQENEAR[162]                  |          |         |         |
|        |                     | 3725 GLESMGGEALAR[162]                       |          |         |         |
|        |                     | 3726 SYKEAEQENEAR                            |          |         |         |
|        |                     | 3727 DGTIEDIITVLK                            |          |         |         |
| Q3U8P8 | Q3U8P8 Q3U8P8_MOUSE | Tyrosine-protein kinase - Mus musculus       | 0.14336  | 0.78889 | 2.0426  |
|        |                     | 3728 TIC[174]DSSVSTHDLK[134]                 |          |         |         |
|        |                     | 3729 YLATLETITK[134]                         |          |         |         |
| Q9Z0F8 | Q9Z0F8 ADA17_MOUSE  | ADAM 17 precursor - Mus musculus             | 0.46013  | 0.39015 | 9.6735  |
|        |                     | 3730 LQALQPAAMMPPVSAAPK[134]                 |          |         |         |
|        |                     | 3731 RAEPNPLKNTC[174]K                       |          |         |         |
|        |                     | 3732 R[162]AEPNPLK[134]NTC[174]K[134]        |          |         |         |
|        |                     | 3733 LQALQPAAMMPPVSAAPK                      |          |         |         |
|        |                     | 3734 SFEDLTDHPVTR[162]                       |          |         |         |
|        |                     | 3735 NIYLNGLTSTK[134]                        |          |         |         |
|        |                     | 3736 SFEDLTDHPVTR                            |          |         |         |
|        |                     | 3737 IIK[134]PFPAPQTPGR[162]                 |          |         |         |
|        |                     | 3738 ILKSPQEVKPGER                           |          |         |         |
| Q60977 | Q60977 Q60977_MOUSE | Tumor-associated glycoprotein E4 - Mus musc  | 0.39852  | 0.45670 | 12.0482 |
|        |                     | 3739 NTAEALEPSPTLILQDVAK[134]                |          |         |         |
|        |                     | 3740 NTAEALEPSPTLILQDVAK                     |          |         |         |

|        |                    |                                                      |          |         |         |
|--------|--------------------|------------------------------------------------------|----------|---------|---------|
|        |                    | 3741 ALQSNPSE[162]ENVQYSSVNGDC[174]R[162]            |          |         |         |
|        |                    | 3742 ALQSNPSE[162]ENVQYSSVNGDC[174]R                 |          |         |         |
|        |                    | 3743 LNMEPNSTR                                       |          |         |         |
|        |                    | 3744 ENVQYSSVNGDC[174]R                              |          |         |         |
|        |                    | 3745 ENVQYSSVNGDC[174]R[162]                         |          |         |         |
| Q91YT8 | Q91YT8 TM63A_MOUSE | Transmembrane protein 63A - Mus musculus             | 0.17055  | 0.75009 | 5.7214  |
|        |                    | 3746 TALSPQQQTYGAIR[162]                             |          |         |         |
|        |                    | 3747 TALSPQQQTYGAIR                                  |          |         |         |
|        |                    | 3748 IALVSEAGSEAR                                    |          |         |         |
|        |                    | 3749 KETVESHFR                                       |          |         |         |
|        |                    | 3750 QTLFITGLPR[162]                                 |          |         |         |
| P33175 | P33175 KIF5A_MOUSE | Kinesin heavy chain isoform 5A - Mus musculus        | -0.04372 | 0.93577 | 3.6027  |
|        |                    | 3751 HVAVTNMNEHSSR[162]                              |          |         |         |
|        |                    | 3752 ISFLENNLEQLTK                                   |          |         |         |
|        |                    | 3753 ISFLENNLEQLTK[134]                              |          |         |         |
|        |                    | 3754 LYLVDLAGSEK                                     |          |         |         |
| Q8BSY0 | Q8BSY0 ASPH_MOUSE  | Aspartyl/asparaginyl beta-hydroxylase - Mus musculus | -0.74461 | 0.16991 | 15.7895 |
|        |                    | 3755 AQC[174]EDDLAEKQR                               |          |         |         |
|        |                    | 3756 AIETYQEAADLPDPTDLVK                             |          |         |         |
|        |                    | 3757 AQC[174]EDDLAEK[134]QR[162]                     |          |         |         |
|        |                    | 3758 YGK[134]AQC[174]EDDLAEK[134]QR[162]             |          |         |         |
|        |                    | 3759 GGGGNSSSSGSGSGSGSPSTGSSGSSSSPGARR               |          |         |         |
|        |                    | 3760 GGGGNSSSSGSGSGSGSPSTGSSGSSSSPGAR[162]R[162]     |          |         |         |
|        |                    | 3761 LIFIVDVWHPELTPQQR                               |          |         |         |
|        |                    | 3762 GDWSQFTLWQQGR[162]                              |          |         |         |
|        |                    | 3763 FSETTGC[174]R[162]                              |          |         |         |
|        |                    | 3764 GHFASVWQR[162]                                  |          |         |         |
|        |                    | 3765 FSETTGC[174]R                                   |          |         |         |
| Q8BYC6 | Q8BYC6 TAOK3_MOUSE | Serine/threonine-protein kinase TAO3 - Mus musculus  | 0.08366  | 0.87584 | 7.2383  |
|        |                    | 3766 LDEAQEAEC[174]QALR[162]                         |          |         |         |
|        |                    | 3767 K[134]FQQQILAQQK[134]K[134]                     |          |         |         |
|        |                    | 3768 K[134]QFQDTC[174]K[134]VQTK[134]                |          |         |         |
|        |                    | 3769 KQVATIEKEAK                                     |          |         |         |



|        |                    |                                              |          |         |         |
|--------|--------------------|----------------------------------------------|----------|---------|---------|
|        |                    | 3770 MGFGNLVTLDFPKEDYR                       |          |         |         |
|        |                    | 3771 K[134]QVATIEK[134]EAK[134]              |          |         |         |
| Q61768 | Q61768 KINH_MOUSE  | Kinesin heavy chain - Mus musculus           | -0.04372 | 0.93577 | 4.1537  |
|        |                    | 3772 GGGSFVQNNQPVGLR[162]                    |          |         |         |
|        |                    | 3773 GGGSFVQNNQPVGLR                         |          |         |         |
|        |                    | 3774 SLSALGNVISALAEGSTYVPYR[162]DSK[134]     |          |         |         |
| O55143 | O55143 AT2A2_MOUSE | Sarcoplasmic/endoplasmic reticulum calcium / | -0.13535 | 0.80299 | 5.7471  |
|        |                    | 3775 VGEATETALTC[174]LVEK[134]               |          |         |         |
|        |                    | 3776 VGEATETALTC[174]LVEK                    |          |         |         |
|        |                    | 3777 C[174]LALATHDNPLK[134]R[162]            |          |         |         |
|        |                    | 3778 IMSVIR[162]EWGSGSDTLR[162]              |          |         |         |
|        |                    | 3779 NYLEQPGK[134]EC[174]VQPATK[134]         |          |         |         |
|        |                    | 3780 NYLEQPGKEC[174]VQPATK                   |          |         |         |
| Q9Z280 | Q9Z280 PLD1_MOUSE  | Phospholipase D1 - Mus musculus              | 0.29957  | 0.57583 | 10.2421 |
|        |                    | 3781 IAADMSNLIENLDTR[162]                    |          |         |         |
|        |                    | 3782 IAADMSNLIENLDTR                         |          |         |         |
|        |                    | 3783 SLSYPFLLPK[134]                         |          |         |         |
|        |                    | 3784 SLSYPFLLPK                              |          |         |         |
|        |                    | 3785 SSENAIQEEQFFGR[162]                     |          |         |         |
|        |                    | 3786 SVQTGVGELHGETR                          |          |         |         |
|        |                    | 3787 RKQLEDYLTk                              |          |         |         |
|        |                    | 3788 SVQTGVGELHGETR[162]                     |          |         |         |
|        |                    | 3789 FGSYAALHENTLAK[134]                     |          |         |         |
|        |                    | 3790 FGSYAALHENTLAK                          |          |         |         |
|        |                    | 3791 YQVPGAVPAK                              |          |         |         |
|        |                    | 3792 NYHATTEFLDVSQLSFIHDLGPK                 |          |         |         |
| Q8K2I4 | Q8K2I4 MANBA_MOUSE | Beta-mannosidase precursor - Mus musculus    | 0.37685  | 0.48155 | 4.3231  |
|        |                    | 3793 SAVQYAEC[174]QSK                        |          |         |         |
|        |                    | 3794 VSSQEDWAYNSR[162]                       |          |         |         |
|        |                    | 3795 SAVQYAEC[174]QSK[134]                   |          |         |         |
|        |                    | 3796 VSSQEDWAYNSR                            |          |         |         |
|        |                    | 3797 QHHEDGNHQMHLHGVK                        |          |         |         |
| O70309 | O70309 ITB5_MOUSE  | Integrin beta-5 precursor - Mus musculus     | -0.60073 | 0.26817 | 18.2957 |

3798 C[174]PTC[174]PDAC[174]SSK  
 3799 C[174]PTC[174]PDAC[174]SSK[134]  
 3800 IYGPFC[174]EC[174]DSFSC[174]AR  
 3801 C[174]PTC[174]PDAC[174]SSK[134]R[162]  
 3802 C[174]PTC[174]PDAC[174]SSKR  
 3803 KPISTHTVDFAFNKFNK  
 3804 LGFGSFVDK[134]DISPFSYTAPR[162]  
 3805 LGFGSFVDKDISPFSYTAPR  
 3806 IYGPFC[174]EC[174]DSFSC[174]AR[162]  
 3807 LFPNC[174]VPSFGFR  
 3808 K[134]PISTHTVDFAFNK[134]  
 3809 LFPNC[174]VPSFGFR[162]  
 3810 HLLPLTDR[162]VDSFNEEVR[162]K[134]  
 3811 HLLPLTDRVDSFNEEVRK  
 3812 YQTNPC[174]IGYK[134]  
 3813 YQTNPC[174]IGYK  
 3814 NGC[174]EGEIESPASSTHVLR[162]  
 3815 YEMASNPLYR[162]  
 3816 QAAQSFTLR[162]PVGFR[162]  
 3817 VEGSEPTTPFNLFIGNLNPNK  
 3818 VEGSEPTTPFNLFIGNLNPNK[134]  
 3819 NLSFNITEDELK[134]EVFEDAMEIR[162]  
 3820 FAISELFAKNDLAVVDVR  
 3821 TIRLELQGSNSR  
 3822 FAISELFAK[134]NDLAVVDVR[162]  
 3823 TLVLSNLSYSATK[134]  
 3824 FAISELFAK[134]  
 3825 NDLAVVDVR[162]  
 3826 FAISELFAK  
 3827 ALVPTPGK[134]K[134]  
 3828 ATFIKVPQNPHGKPK  
 3829 TIR[162]LELQGSNSR[162]

|        |                   |                          |          |         |         |
|--------|-------------------|--------------------------|----------|---------|---------|
| P09405 | P09405 NUCL_MOUSE | Nucleolin - Mus musculus | -0.38516 | 0.47775 | 39.0382 |
|--------|-------------------|--------------------------|----------|---------|---------|

3830 SVSLYYTG EK[134]  
3831 GFGFVDFNSEEDAK  
3832 GFGFVDFNSEEDAK[134]  
3833 GLSEDTTEETLKESFEGSVR  
3834 GYAFIEFASFEDAK  
3835 GYAFIEFASFEDAK[134]  
3836 SVNELK[134]FAISELFAK[134]  
3837 FGYVDFESAEDLEKALELTGLK  
3838 GYAFIEFASFEDAKEALNSC[174]NK  
3839 GYAFIEFASFEDAK[134]EALNSC[174]NK[134]  
3840 KQKVEGSEPTTPFNLFIGNLNPNK  
3841 NLSFNITEDELKEVFEDAMEIR  
3842 QKVEGSEPTTPFNLFIGNLNPNK  
3843 TLVLSNLSYSATKETLEEVFEK  
3844 SVNELKFAISELFAK  
3845 TLVLSNLSYSATK[134]ETLEEVFEK[134]  
3846 QK[134]VEGSEPTTPFNLFIGNLNPNK[134]  
3847 ALELTGLKVFGNEIKLEKPK  
3848 EAMEDGEIDGNK[134]VTLDWAK[134]PK[134]  
3849 EAMEDGEIDGNKVTLDWAKPK  
3850 TLVLSNLSYSATK  
3851 QKVEGSEPTTPFNLFIGNLNPNKSVNELK  
3852 VEGSEPTTPFNLFIGNLNPNKSVNELK  
3853 NDLAVVDVR  
3854 SVSLYYTG EK  
3855 GFGFVDFNSEEDAKAAK  
3856 VTLDWAK[134]PK[134]  
3857 ALELTGLK[134]VFGNEIK[134]  
3858 LELQGSNSR  
3859 VFGNEIKLEKPK  
3860 GIAYIEFK[134]  
3861 KFGYVDFESAEDLEKALELTGLK  
3862 SVSLYYTG EK GQR

|        |                     |      |                                              |          |         |        |
|--------|---------------------|------|----------------------------------------------|----------|---------|--------|
|        |                     | 3863 | GFGFVDFNSEEDAK[134]AAK[134]                  |          |         |        |
|        |                     | 3864 | ATFIK[134]VPQNPHGK[134]PK[134]               |          |         |        |
|        |                     | 3865 | LELQGSNSR[162]                               |          |         |        |
|        |                     | 3866 | ALVPTPGKK                                    |          |         |        |
|        |                     | 3867 | FGYVDFESAEDLEK                               |          |         |        |
|        |                     | 3868 | FGYVDFESAEDLEK[134]                          |          |         |        |
|        |                     | 3869 | GIAYIEFK                                     |          |         |        |
|        |                     | 3870 | SEADA EK[134]NLEEK[134]                      |          |         |        |
|        |                     | 3871 | SVSLYYTGEK[134]GQR[162]                      |          |         |        |
|        |                     | 3872 | VEGSEPTT PFNLFIGNLNPNK[134]SVNELK[134]       |          |         |        |
|        |                     | 3873 | ETLEEVFEK[134]                               |          |         |        |
|        |                     | 3874 | VFGNEIK[134]LEK[134]PK[134]                  |          |         |        |
|        |                     | 3875 | VFGNEIK[134]                                 |          |         |        |
| Q5SUA5 | Q5SUA5 Q5SUA5_MOUSE |      | Myosin 1G - Mus musculus                     | 0.26458  | 0.62122 | 6.1523 |
|        |                     | 3876 | NSMVALVENLASKEPFYVR                          |          |         |        |
|        |                     | 3877 | NSMVALVENLASK[134]EPFYVR[162]                |          |         |        |
|        |                     | 3878 | SHTVAEASYAR[162]                             |          |         |        |
|        |                     | 3879 | SHTVAEASYAR                                  |          |         |        |
|        |                     | 3880 | LLYNSVDPTLR[162]                             |          |         |        |
|        |                     | 3881 | LLYNSVDPTLR                                  |          |         |        |
|        |                     | 3882 | C[174]IKPNEDKVAGR                            |          |         |        |
|        |                     | 3883 | STFTLLWPSH                                   |          |         |        |
| Q61316 | Q61316 HSP74_MOUSE  |      | Heat shock 70 kDa protein 4 - Mus musculus   | -0.28473 | 0.59971 | 5.5886 |
|        |                     | 3884 | EFSITDVVPYPISLR                              |          |         |        |
|        |                     | 3885 | VLATAFD TTLGGR[162]                          |          |         |        |
|        |                     | 3886 | FQESEER[162]PK[134]                          |          |         |        |
|        |                     | 3887 | EFSITDVVPYPISLR[162]                         |          |         |        |
|        |                     | 3888 | QSLTVDPVVK[134]                              |          |         |        |
| Q8BGQ7 | Q8BGQ7 SYAC_MOUSE   |      | Alanyl-tRNA synthetase, cytoplasmic - Mus mu | 0.50377  | 0.34679 | 6.405  |
|        |                     | 3889 | MSNYD TDLFMPYFEAIQK                          |          |         |        |
|        |                     | 3890 | NVGC[174]LQEALQLATSFAQLR                     |          |         |        |
|        |                     | 3891 | NVGC[174]LQEALQLATSFAQLR[162]                |          |         |        |
|        |                     | 3892 | VK[134]AQTAPNK[134]DVQR[162]                 |          |         |        |

|        |                    |                                                  |          |         |         |
|--------|--------------------|--------------------------------------------------|----------|---------|---------|
|        |                    | 3893 VKAQTAPNKDVQR                               |          |         |         |
|        |                    | 3894 QIWQNLGLDEAR[162]                           |          |         |         |
| Q9EQK5 | Q9EQK5 MVP_MOUSE   | Major vault protein - Mus musculus               | -0.31517 | 0.56129 | 15.0987 |
|        |                    | 3895 GIQDVYVLSEQQGLLLK[134]                      |          |         |         |
|        |                    | 3896 QAIPLDQNEGIYVQDVK[134]                      |          |         |         |
|        |                    | 3897 IPPYHYIHVLDQNSNVSR[162]                     |          |         |         |
|        |                    | 3898 IPPYHYIHVLDQNSNVSR                          |          |         |         |
|        |                    | 3899 VVFGPELVSLDPEEQFTVLSLSAGRPK                 |          |         |         |
|        |                    | 3900 QAIPLDQNEGIYVQDVK                           |          |         |         |
|        |                    | 3901 GIQDVYVLSEQQGLLLK                           |          |         |         |
|        |                    | 3902 LAQDPFPLYPGELLEK[134]                       |          |         |         |
|        |                    | 3903 HYC[174]IVANPVSR[162]                       |          |         |         |
|        |                    | 3904 HYC[174]IVANPVSR                            |          |         |         |
|        |                    | 3905 VPHNAAVQVYDYR[162]                          |          |         |         |
|        |                    | 3906 IEGEGSVLQAK[134]                            |          |         |         |
|        |                    | 3907 IEGEGSVLQAK                                 |          |         |         |
| Q8JZQ9 | Q8JZQ9 EIF3B_MOUSE | Eukaryotic translation initiation factor 3 subun | -0.54253 | 0.31731 | 6.1021  |
|        |                    | 3908 SPSQEPSAPGKAEAVGEQAR                        |          |         |         |
|        |                    | 3909 GTQGVVTNFEIFR[162]                          |          |         |         |
|        |                    | 3910 FSHQGVQLIDFSPC[174]ER[162]                  |          |         |         |
| Q62192 | Q62192 CD180_MOUSE | CD180 antigen precursor - Mus musculus           | -0.24976 | 0.64525 | 31.0136 |
|        |                    | 3911 EC[174]PQLELLDLAFTR                         |          |         |         |
|        |                    | 3912 EC[174]PQLELLDLAFTR[162]                    |          |         |         |
|        |                    | 3913 VK[134]DAQSPFQNLHLLK[134]                   |          |         |         |
|        |                    | 3914 ALK[134]HLFFIQTGISSIDFIPLHNQK[134]          |          |         |         |
|        |                    | 3915 MMNHVDLSHNR[162]                            |          |         |         |
|        |                    | 3916 DAQSPFQNLHLLK                               |          |         |         |
|        |                    | 3917 VLDFQNNAIHYLSK[134]                         |          |         |         |
|        |                    | 3918 TEAFK[134]EC[174]PQLELLDLAFTR[162]          |          |         |         |
|        |                    | 3919 R[162]LELGTGC[174]LENLENLR[162]             |          |         |         |
|        |                    | 3920 DAQSPFQNLHLLK[134]                          |          |         |         |
|        |                    | 3921 VKDAQSPFQNLHLLK                             |          |         |         |
|        |                    | 3922 VLDFQNNAIHYLSK                              |          |         |         |

|        |                     |                                                 |          |         |        |
|--------|---------------------|-------------------------------------------------|----------|---------|--------|
|        |                     | 3923 MMNHVDLSHNR                                |          |         |        |
|        |                     | 3924 TLESLYLGSNHISIKLPK                         |          |         |        |
|        |                     | 3925 TEAFKEC[174]PQLELLDLAFT                    |          |         |        |
|        |                     | 3926 LDTLVLTANPLIFMAETALSGPK[134]               |          |         |        |
|        |                     | 3927 LEDTEDTLC[174]ENPPLLR[162]                 |          |         |        |
|        |                     | 3928 TLESLYLGSNHISIK[134]                       |          |         |        |
|        |                     | 3929 LDTLVLTANPLIFMAETALSGPK                    |          |         |        |
|        |                     | 3930 TLESLYLGSNHISIK[134]LPK[134]               |          |         |        |
|        |                     | 3931 ALKHLFFIQTGISSIDFIPLHNQK                   |          |         |        |
|        |                     | 3932 LVLSANKFENLC[174]QISASNFPSTHLSIK           |          |         |        |
|        |                     | 3933 TLESLYLGSNHISIK                            |          |         |        |
|        |                     | 3934 RLELGTGC[174]LENLENLR                      |          |         |        |
|        |                     | 3935 TNSLQTLGR[162]                             |          |         |        |
|        |                     | 3936 HLFFIQTGISSIDFIPLHNQK[134]                 |          |         |        |
|        |                     | 3937 LINLTFLDLTR[162]                           |          |         |        |
|        |                     | 3938 LVLSANK[134]FENLC[174]QISASNFPSTHLSIK[134] |          |         |        |
| Q8K0B2 | Q8K0B2 LMBD1_MOUSE  | LMBR1 domain-containing protein 1 - Mus mu      | 0.81655  | 0.12726 | 7.2626 |
|        |                     | 3939 RC[174]DADAPKDQC[174]TVTR                  |          |         |        |
|        |                     | 3940 STAYER[162]LENTEDIEEVEQHIQTIR[162]         |          |         |        |
|        |                     | 3941 LENTEDIEEVEQHIQTIR                         |          |         |        |
|        |                     | 3942 STAYERLENTEDIEEVEQHIQTIR                   |          |         |        |
| Q9JIK5 | Q9JIK5 DDX21_MOUSE  | Nucleolar RNA helicase 2 - Mus musculus         | -0.20811 | 0.70128 | 2.5852 |
|        |                     | 3943 GVNFLFPIQAK[134]                           |          |         |        |
|        |                     | 3944 GVNFLFPIQAK                                |          |         |        |
|        |                     | 3945 TFSFAIPLIEK[134]                           |          |         |        |
| P70355 | P70355 P70355_MOUSE | Gag-Pol polyprotein - Mus musculus              | -0.37296 | 0.49180 | 4.6136 |
|        |                     | 3946 QLLLAGLQNAGR                               |          |         |        |
|        |                     | 3947 QLLLAGLQNAGR[162]                          |          |         |        |
|        |                     | 3948 GITQGPNESPSAFLE                            |          |         |        |
|        |                     | 3949 VK[134]GITQGPNESPSAFLE[162]                |          |         |        |
|        |                     | 3950 GITQGPNESPSAFLE[162]                       |          |         |        |
|        |                     | 3951 VKGITQGPNESPSAFLE                          |          |         |        |
|        |                     | 3952 LLATVVSGQR[162]                            |          |         |        |

|        |                     |                                                 |          |         |         |
|--------|---------------------|-------------------------------------------------|----------|---------|---------|
|        |                     | 3953 IASNQSVDVK[134]                            |          |         |         |
|        |                     | 3954 LLATVVSGQR                                 |          |         |         |
|        |                     | 3955 IASNQSVDVK                                 |          |         |         |
|        |                     | 3956 IASNQSVDVKK                                |          |         |         |
|        |                     | 3957 NNNPSFSEDPGK                               |          |         |         |
|        |                     | 3958 IASNQSVDVK[134]K[134]                      |          |         |         |
|        |                     | 3959 NNNPSFSEDPGK[134]                          |          |         |         |
|        |                     | 3960 LLATVVSGQR[162]QDR[162]                    |          |         |         |
|        |                     | 3961 TLGDLVR[162]                               |          |         |         |
|        |                     | 3962 NHLVLYR[162]                               |          |         |         |
|        |                     | 3963 LLATVVSGQRQDR                              |          |         |         |
|        |                     | 3964 NHLVLYR                                    |          |         |         |
|        |                     | 3965 TLGDLVR                                    |          |         |         |
| O35382 | O35382 EXOC4_MOUSE  | Exocyst complex component 4 - Mus musculus      | -0.48113 | 0.37517 | 7.3846  |
|        |                     | 3966 TASEPSAQLSYASTGR[162]                      |          |         |         |
|        |                     | 3967 VLGVR[162]PLLQSTIIVEK[134]                 |          |         |         |
|        |                     | 3968 SQTGVGDQTTQNTR                             |          |         |         |
|        |                     | 3969 SQTGVGDQTTQNTR[162]                        |          |         |         |
|        |                     | 3970 STTQVADSAYQR[162]                          |          |         |         |
|        |                     | 3971 STTQVADSAYQR                               |          |         |         |
|        |                     | 3972 SK[134]DPSGLLISVIR[162]                    |          |         |         |
| Q3TJG0 | Q3TJG0 Q3TJG0_MOUSE | CDNA, RIKEN full-length enriched library, clone | -1.06609 | 0.04941 | 8.0711  |
|        |                     | 3973 AATHIPAAGDAK[134]                          |          |         |         |
|        |                     | 3974 GQTPAQETNYLNK[134]                         |          |         |         |
|        |                     | 3975 AATHIPAAGDAK                               |          |         |         |
|        |                     | 3976 VSLLDGTDVSVLDPK                            |          |         |         |
|        |                     | 3977 ASTTQPEDLGVLNASAQK[134]                    |          |         |         |
| Q5SYD0 | Q5SYD0 MYO1D_MOUSE  | Myosin-IId - Mus musculus                       | 0.04244  | 0.93683 | 18.2903 |
|        |                     | 3978 VTDGMFLEALNSK[134]                         |          |         |         |
|        |                     | 3979 AWEGNYLASKPDTPQTSGTFVPVANELKR              |          |         |         |
|        |                     | 3980 HIDYFNNQIIVDLVEQQHK[134]                   |          |         |         |
|        |                     | 3981 IGELVGVLVNHFK[134]                         |          |         |         |
|        |                     | 3982 IGELVGVLVNHFK                              |          |         |         |

|        |                    |                                                |          |         |         |
|--------|--------------------|------------------------------------------------|----------|---------|---------|
|        |                    | 3983 VTDGMFLEALNSK                             |          |         |         |
|        |                    | 3984 SNC[174]VLEAFGNAK[134]                    |          |         |         |
|        |                    | 3985 VIVQQPGER[162]                            |          |         |         |
|        |                    | 3986 LNQPQPDFTK[134]                           |          |         |         |
|        |                    | 3987 NYDTTIHGK[134]                            |          |         |         |
|        |                    | 3988 NSMIALVDNLASKEPYVVR                       |          |         |         |
|        |                    | 3989 YIMQYIAAITNPSQR[162]                      |          |         |         |
|        |                    | 3990 LNQPQPDFTK                                |          |         |         |
|        |                    | 3991 SLSSYNYIR[162]                            |          |         |         |
|        |                    | 3992 C[174]TVSVETR[162]                        |          |         |         |
|        |                    | 3993 DNKDLIVC[174]LFSK                         |          |         |         |
|        |                    | 3994 ADLGLQR[162]                              |          |         |         |
| Q8CGK3 | Q8CGK3 LONM_MOUSE  | Lon protease homolog, mitochondrial precursor  | -1.54253 | 0.00447 | 4.0042  |
|        |                    | 3995 VLEFIAVSQLR[162]                          |          |         |         |
|        |                    | 3996 TENPLVLIDEVDK[134]IGR[162]                |          |         |         |
|        |                    | 3997 LAQPYVGVFLK[134]                          |          |         |         |
| Q8R307 | Q8R307 VPS18_MOUSE | Vacuolar protein sorting-associated protein 18 | 0.27376  | 0.60916 | 5.5498  |
|        |                    | 3998 LGALQGDPDALTLYR[162]                      |          |         |         |
|        |                    | 3999 EAEAGAAAVGPSR                             |          |         |         |
|        |                    | 4000 KLAGLKPTER                                |          |         |         |
|        |                    | 4001 YGTVEPQDK[134]                            |          |         |         |
|        |                    | 4002 LFQFIGR[162]                              |          |         |         |
| Q91X78 | Q91X78 ERLN1_MOUSE | Erlin-1 precursor - Mus musculus               | -0.48099 | 0.37531 | 52.3121 |
|        |                    | 4003 ISEIEDAAFLAR[162]                         |          |         |         |
|        |                    | 4004 SVQTTLQTDEVK[134]                         |          |         |         |
|        |                    | 4005 SVQTTLQTDEVK                              |          |         |         |
|        |                    | 4006 QKVVEKEAETER                              |          |         |         |
|        |                    | 4007 ISEIEDAAFLAR                              |          |         |         |
|        |                    | 4008 IYFGSNIPSMFVDSSC[174]ALK[134]             |          |         |         |
|        |                    | 4009 AKADAEYYAAHK                              |          |         |         |
|        |                    | 4010 AK[134]ADAEYYAAHK[134]                    |          |         |         |
|        |                    | 4011 GGALLTSPSGPGYHIMLPFITFR                   |          |         |         |
|        |                    | 4012 GGALLTSPSGPGYHIMLPFITFR[162]              |          |         |         |



4013 ADAEYYAAHK[134]  
 4014 AVIEAEK[134]IAQVAK[134]  
 4015 ADAEYYAAHK[134]YATSNK[134]  
 4016 IYFGSNIPSMFVDSSC[174]ALK  
 4017 DLNTMAPGLTIQAVR[162]  
 4018 ADAEYYAAHK  
 4019 DLNTMAPGLTIQAVR  
 4020 AVIEAEKIAQVAK  
 4021 LTPEYLELK[134]K[134]  
 4022 NFELMEAEKTK  
 4023 NFELMEAEK[134]TK[134]  
 4024 EPSGESPIQNK[134]  
 4025 R[162]AVIEAEK[134]IAQVAK[134]  
 4026 TGREDSLPPEEAREPSGESPIQNK  
 4027 RAVIEAEKIAQVAK  
 4028 QK[134]VVEK[134]EAETER[162]  
 4029 R[162]ISEIEDAAFLAR[162]  
 4030 EKAKADAEYYAAHK  
 4031 EPSGESPIQNK  
 4032 LLIAAQK  
 4033 LLIAAQK[134]  
 4034 TK[134]LLIAAQK[134]  
 4035 NFELMEAEK  
 4036 NFELMEAEK[134]

|        |                     |                                                   |         |         |        |
|--------|---------------------|---------------------------------------------------|---------|---------|--------|
| P70356 | P70356 P70356_MOUSE | Envelope protein - Mus musculus                   | 0.24477 | 0.64758 | 16.293 |
|        |                     | 4037 DC[174]EEPLTSYTPR                            |         |         |        |
|        |                     | 4038 LTLSEVTGQGLC[174]IGAVPK                      |         |         |        |
|        |                     | 4039 DC[174]EEPLTSYTPR[162]                       |         |         |        |
|        |                     | 4040 APFSPPPGPPC[174]C[174]SGSSDSTSGC[174]SR      |         |         |        |
|        |                     | 4041 APFSPPPGPPC[174]C[174]SGSSDSTSGC[174]SR[162] |         |         |        |
|        |                     | 4042 LTLSEVTGQGLC[174]IGAVPK[134]                 |         |         |        |
|        |                     | 4043 VPIGPNPVLSDR[162]                            |         |         |        |
|        |                     | 4044 LYVSGHDPGLIFGIR[162]                         |         |         |        |

|        |                     |                                                  |          |         |         |
|--------|---------------------|--------------------------------------------------|----------|---------|---------|
|        |                     | 4045 VPIGPNPVLSDR                                |          |         |         |
|        |                     | 4046 WC[174]NSLTIR[162]                          |          |         |         |
|        |                     | 4047 SC[174]GGPESFYC[174]ASWGC[174]ETTGR[162]    |          |         |         |
|        |                     | 4048 LYVSGHDPGLIFGIR                             |          |         |         |
| Q3TVQ0 | Q3TVQ0 Q3TVQ0_MOUSE | Osteoclast-like cell cDNA, RIKEN full-length eni | -1.60666 | 0.00306 | 4.0942  |
|        |                     | 4049 LNIDPATITWQR[162]                           |          |         |         |
|        |                     | 4050 ASGLVPNVVVLVATVR[162]                       |          |         |         |
|        |                     | 4051 THLSLSHEPDK[134]K[134]                      |          |         |         |
| Q8C0Z1 | Q8C0Z1 ITFG3_MOUSE  | Protein ITFG3 - Mus musculus                     | 0.82944  | 0.12136 | 6.8468  |
|        |                     | 4052 SQENPGNLPR[162]                             |          |         |         |
|        |                     | 4053 SQENPGNLPR                                  |          |         |         |
|        |                     | 4054 WTLGEVQVLR                                  |          |         |         |
|        |                     | 4055 VIHLGEGSSDSQAIRDR                           |          |         |         |
|        |                     | 4056 WTLGEVQVLR[162]                             |          |         |         |
| Q3UM72 | Q3UM72 Q3UM72_MOUSE | Mammary gland RCB-0526 Jyg-MC(A) cDNA, R         | 0.31635  | 0.55465 | 5.4054  |
|        |                     | 4057 LFWPETEK[134]PK[134]                        |          |         |         |
|        |                     | 4058 TFFNEFVAYDHLSK[134]                         |          |         |         |
|        |                     | 4059 TFFNEFVAYDHLSK                              |          |         |         |
|        |                     | 4060 QVQTFLGYTDTGAR[162]                         |          |         |         |
|        |                     | 4061 QVQTFLGYTDTGAR                              |          |         |         |
|        |                     | 4062 LFWPETEKKP                                  |          |         |         |
| P60766 | P60766 CDC42_MOUSE  | Cell division control protein 42 homolog precu   | 0.26799  | 0.61672 | 30.8901 |
|        |                     | 4063 TPFLLVGTQIDLR[162]DDPSTIEK[134]             |          |         |         |
|        |                     | 4064 QKPITPETAEK                                 |          |         |         |
|        |                     | 4065 NKQKPITPETAEK                               |          |         |         |
|        |                     | 4066 QKPITPETAEKLAR                              |          |         |         |
|        |                     | 4067 NKQKPITPETAEKLAR                            |          |         |         |
|        |                     | 4068 NK[134]QK[134]PITPETAEK[134]                |          |         |         |
|        |                     | 4069 WVPEITHHC[174]PK                            |          |         |         |
|        |                     | 4070 TPFLLVGTQIDLRDDPSTIEK                       |          |         |         |
|        |                     | 4071 C[174]VVVG DGAVGK                           |          |         |         |
| Q9WV27 | Q9WV27 AT1A4_MOUSE  | Sodium/potassium-transporting ATPase subun       | -0.59118 | 0.27586 | 1.6473  |
|        |                     | 4072 K[134]ADIGIAMGITGSDVSK[134]                 |          |         |         |

|        |                   |                                          |         |         |         |
|--------|-------------------|------------------------------------------|---------|---------|---------|
|        |                   | 4073 KADIGIAMGITGSDVSK                   |         |         |         |
|        |                   | 4074 ADIGIAMGITGSDVSK[134]               |         |         |         |
|        |                   | 4075 ADIGIAMGITGSDVSK                    |         |         |         |
| P08113 | P08113 ENPL_MOUSE | Endoplasmin precursor - Mus musculus     | 0.13688 | 0.79823 | 30.1746 |
|        |                   | 4076 AQAYQTGKDISTNYYASQKK                |         |         |         |
|        |                   | 4077 FQSSHSTDITSLDQYVER                  |         |         |         |
|        |                   | 4078 FQSSHSTDITSLDQYVER[162]             |         |         |         |
|        |                   | 4079 AQAYQTGK[134]DISTNYYASQK[134]K[134] |         |         |         |
|        |                   | 4080 K[134]YSQFINFPIYVWSSK[134]          |         |         |         |
|        |                   | 4081 GVVDSDDLPLNVSRL[162]                |         |         |         |
|        |                   | 4082 EGVKFDESEKTK                        |         |         |         |
|        |                   | 4083 SGYLLPDTK[134]                      |         |         |         |
|        |                   | 4084 SILFVPTSAPR                         |         |         |         |
|        |                   | 4085 SGYLLPDTK                           |         |         |         |
|        |                   | 4086 SILFVPTSAPR[162]                    |         |         |         |
|        |                   | 4087 SGTSEFLNK                           |         |         |         |
|        |                   | 4088 YSQFINFPIYVWSSK                     |         |         |         |
|        |                   | 4089 R[162]VFITDDFHDMMMPK[134]           |         |         |         |
|        |                   | 4090 NLLHVTDGTGVGMTREELVK                |         |         |         |
|        |                   | 4091 LGVIEDHSNR                          |         |         |         |
|        |                   | 4092 LGVIEDHSNR[162]                     |         |         |         |
|        |                   | 4093 RVFITDDFHDMMMPK                     |         |         |         |
|        |                   | 4094 KYSQFINFPIYVWSSK                    |         |         |         |
|        |                   | 4095 AQAYQTGKDISTNYYASQK                 |         |         |         |
|        |                   | 4096 GVVDSDDLPLNVSRL                     |         |         |         |
|        |                   | 4097 FAFQAEVNR[162]                      |         |         |         |
|        |                   | 4098 IADEKYNDTFWKEFGTNIK                 |         |         |         |
|        |                   | 4099 DISTNYYASQKK                        |         |         |         |
|        |                   | 4100 EATEKEFEPLLNWMK                     |         |         |         |
|        |                   | 4101 DISTNYYASQK[134]                    |         |         |         |
|        |                   | 4102 GLFDEYGSK[134]                      |         |         |         |
|        |                   | 4103 LGVIEDHSNR[162]TR[162]              |         |         |         |
|        |                   | 4104 IYFMAGSSR                           |         |         |         |

|        |                    |                                              |          |         |         |
|--------|--------------------|----------------------------------------------|----------|---------|---------|
|        |                    | 4105 FAFQAEVNR                               |          |         |         |
|        |                    | 4106 EAESSPFVER                              |          |         |         |
|        |                    | 4107 SGTSEFLNK[134]                          |          |         |         |
|        |                    | 4108 EAESSPFVER[162]                         |          |         |         |
|        |                    | 4109 K[134]EAESSPFVER[162]                   |          |         |         |
|        |                    | 4110 GLFDEYGSK                               |          |         |         |
|        |                    | 4111 TFEINPR[162]                            |          |         |         |
|        |                    | 4112 LIINSLYK[134]                           |          |         |         |
|        |                    | 4113 TFEINPR                                 |          |         |         |
|        |                    | 4114 NLLHVTDGTGVMTR[162]EELVK[134]           |          |         |         |
|        |                    | 4115 K[134]TFEINPR[162]                      |          |         |         |
| P47713 | P47713 PA24A_MOUSE | Cytosolic phospholipase A2 - Mus musculus    | -0.31120 | 0.56623 | 19.5187 |
|        |                    | 4116 MLMALVSDSALFNTR[162]                    |          |         |         |
|        |                    | 4117 SSGQPVTFTDIFGMLIGETLIQNR[162]           |          |         |         |
|        |                    | 4118 IHVVDGLTFNLPYPLILR[162]PQR[162]         |          |         |         |
|        |                    | 4119 DVPVVAILGSGGGFR                         |          |         |         |
|        |                    | 4120 NVSHNPLLLTPQK[134]                      |          |         |         |
|        |                    | 4121 FSMALC[174]DQEK[134]                    |          |         |         |
|        |                    | 4122 C[174]SVSLSNVEAR[162]                   |          |         |         |
|        |                    | 4123 KFFNKEFLSKPTV                           |          |         |         |
|        |                    | 4124 GSTMEELENITAK[134]                      |          |         |         |
|        |                    | 4125 C[174]SVSLSNVEAR                        |          |         |         |
|        |                    | 4126 IYEPLDVK                                |          |         |         |
|        |                    | 4127 IYEPLDVK[134]                           |          |         |         |
| Q08857 | Q08857 CD36_MOUSE  | Platelet glycoprotein 4 - Mus musculus       | 0.08970  | 0.86696 | 28.8136 |
|        |                    | 4128 FVLPANAFASPLQNPDNHC[174]FC[174]TEK[134] |          |         |         |
|        |                    | 4129 EVVLEEGTTAFK[134]                       |          |         |         |
|        |                    | 4130 EVVLEEGTTAFK                            |          |         |         |
|        |                    | 4131 TYLDVEPITGFTLQFAK[134]                  |          |         |         |
|        |                    | 4132 TYLDVEPITGFTLQFAK                       |          |         |         |
|        |                    | 4133 EVVLEEGTTAFK[134]NWVK[134]              |          |         |         |
|        |                    | 4134 QR[162]GPYTYR[162]                      |          |         |         |
|        |                    | 4135 EVVLEEGTTAFKNWVK                        |          |         |         |

|        |                     |                                                |         |         |         |
|--------|---------------------|------------------------------------------------|---------|---------|---------|
|        |                     | 4136 R[162]LQVNILVK[134]PAR[162]               |         |         |         |
|        |                     | 4137 QFWIFDVQNPDDVAK                           |         |         |         |
|        |                     | 4138 RLQVNILVKPAR                              |         |         |         |
|        |                     | 4139 LQVNILVKPAR                               |         |         |         |
|        |                     | 4140 VK[134]QR[162]GPYTYR[162]                 |         |         |         |
|        |                     | 4141 LQVNILVK[134]PAR[162]                     |         |         |         |
|        |                     | 4142 SSMFQTR[162]                              |         |         |         |
|        |                     | 4143 FVL PANAFASPLQNP DNHC[174]FC[174]TEK      |         |         |         |
|        |                     | 4144 REVVLEEGTTAFKNWVK                         |         |         |         |
|        |                     | 4145 SIYAVFGSEIDLK                             |         |         |         |
|        |                     | 4146 FFSSDIC[174]R                             |         |         |         |
|        |                     | 4147 FFSSDIC[174]R[162]                        |         |         |         |
|        |                     | 4148 VAIIESYKGK                                |         |         |         |
|        |                     | 4149 VAIIESYKGKR                               |         |         |         |
|        |                     | 4150 VAIIESYK[134]                             |         |         |         |
|        |                     | 4151 VAIIESYK                                  |         |         |         |
|        |                     | 4152 QFWIFDVQNPDDVAK[134]                      |         |         |         |
|        |                     | 4153 TYLDVEPITGFTLQFAKR                        |         |         |         |
|        |                     | 4154 SKSSMFQTR                                 |         |         |         |
|        |                     | 4155 VKQRGPYTYR                                |         |         |         |
|        |                     | 4156 SK[134]SSMFQTR[162]                       |         |         |         |
| Q5KU39 | Q5KU39 VPS41_MOUSE  | Vacuolar protein sorting-associated protein 41 | 0.08366 | 0.87584 | 5.2755  |
|        |                     | 4157 NFVEETVYLLSR[162]                         |         |         |         |
|        |                     | 4158 LDIIQLPETC[174]EEISSDALTVR[162]           |         |         |         |
|        |                     | 4159 LDIIQLPETC[174]EEISSDALTVR                |         |         |         |
|        |                     | 4160 NFVEETVYLLSR                              |         |         |         |
|        |                     | 4161 ILVADSLSLK[134]                           |         |         |         |
| Q8BVF6 | Q8BVF6 Q8BVF6_MOUSE | 10 days neonate cerebellum cDNA, RIKEN full-   | 0.22285 | 0.67727 | 14.4608 |
|        |                     | 4162 DSGGSHALVAVFHPK[134]                      |         |         |         |
|        |                     | 4163 EMKEPGSQPGTTTTSYLSMVPSR                   |         |         |         |
|        |                     | 4164 EMK[134]EPGSQPGTTTTSYLSMVPSR[162]         |         |         |         |
|        |                     | 4165 DSGGSHALVAVFHPK                           |         |         |         |
|        |                     | 4166 KGPNIKEPER                                |         |         |         |

|        |                    |                                               |          |         |         |
|--------|--------------------|-----------------------------------------------|----------|---------|---------|
|        |                    | 4167 FLAAQQDLR[162]                           |          |         |         |
|        |                    | 4168 K[134]GPNIK[134]EPER[162]                |          |         |         |
|        |                    | 4169 FLAAQQDLR                                |          |         |         |
|        |                    | 4170 K[134]DSGGSHALVAVFHPK[134]               |          |         |         |
| Q8R3S6 | Q8R3S6 EXOC1_MOUSE | Exocyst complex component 1 - Mus musculus    | -0.33817 | 0.53307 | 3.8031  |
|        |                    | 4171 ELQVLDGANIQSIMASEK[134]                  |          |         |         |
|        |                    | 4172 LLSEIEFLVNHMDLAK                         |          |         |         |
|        |                    | 4173 LLSEIEFLVNHMDLAK[134]                    |          |         |         |
| Q9WU78 | Q9WU78 PDC6I_MOUSE | Programmed cell death 6-interacting protein - | -0.13535 | 0.80299 | 22.0944 |
|        |                    | 4174 FIQQTYPSSGGEEQAQYC[174]R[162]            |          |         |         |
|        |                    | 4175 LANQAADYFGDAFK[134]                      |          |         |         |
|        |                    | 4176 ATLVK[134]PTPVNVPVSQK[134]               |          |         |         |
|        |                    | 4177 STSVVEQGGIQTVDQLIKPELLQR                 |          |         |         |
|        |                    | 4178 STSVVEQGGIQTVDQLIK[134]ELPELLQR[162]     |          |         |         |
|        |                    | 4179 ATLVKPTPVNVPVSQK                         |          |         |         |
|        |                    | 4180 LQHAAELIK                                |          |         |         |
|        |                    | 4181 MVPVSVQQSLAVFSQR[162]                    |          |         |         |
|        |                    | 4182 MVPVSVQQSLAVFSQR                         |          |         |         |
|        |                    | 4183 STSVVEQGGIQTVDQLIK[134]                  |          |         |         |
|        |                    | 4184 NIQVSHQEFSK[134]                         |          |         |         |
|        |                    | 4185 TMQGEVVSVLK[134]                         |          |         |         |
|        |                    | 4186 NIQVSHQEFSK                              |          |         |         |
|        |                    | 4187 LQHAAELIK[134]                           |          |         |         |
|        |                    | 4188 K[134]FGEEIAR[162]                       |          |         |         |
|        |                    | 4189 VQESLK[134]K[134]QEGLLK[134]             |          |         |         |
|        |                    | 4190 EVFPTLAAK[134]                           |          |         |         |
|        |                    | 4191 VQESLKKQEGLLK                            |          |         |         |
|        |                    | 4192 EPSAPSIPPPAYQSSPAAGHAAAPPTPAPR           |          |         |         |
|        |                    | 4193 NR[162]EILEESLR[162]                     |          |         |         |
|        |                    | 4194 STSVVEQGGIQTVDQLIK                       |          |         |         |
| P39053 | P39053 DYN1_MOUSE  | Dynamin-1 - Mus musculus                      | 0.32623  | 0.54235 | 2.6528  |
|        |                    | 4195 SSVLENFVGR[162]DFLPR[162]                |          |         |         |
|        |                    | 4196 GYIGVVNR[162]                            |          |         |         |

|        |                    |                                                |          |         |         |
|--------|--------------------|------------------------------------------------|----------|---------|---------|
|        |                    | 4197 GYIGVVNR                                  |          |         |         |
| Q91ZV7 | Q91ZV7 PXDC1_MOUSE | Plexin domain-containing protein 1 precursor   | 0.93391  | 0.08113 | 2.4     |
|        |                    | 4198 VVEDNHNYVSR[162]                          |          |         |         |
|        |                    | 4199 VVEDNHNYVSR                               |          |         |         |
| Q91W86 | Q91W86 VPS11_MOUSE | Vacuolar protein sorting-associated protein 11 | 0.12374  | 0.81725 | 3.5069  |
|        |                    | 4200 GNYPTGLAFR                                |          |         |         |
|        |                    | 4201 QSQQIAQDEL                                |          |         |         |
|        |                    | 4202 LTPSLEAGLQR[162]                          |          |         |         |
| Q61144 | Q61144 PSN2_MOUSE  | Presenilin-2 - Mus musculus                    | 0.45747  | 0.39290 | 11.1607 |
|        |                    | 4203 SC[174]QEGRPGPEDGESTAQWR                  |          |         |         |
|        |                    | 4204 TSLMSAESPTSR[162]                         |          |         |         |
|        |                    | 4205 SC[174]QEGR[162]PGPEDGESTAQWR[162]        |          |         |         |
|        |                    | 4206 NGQLIYTPFTEDTPSVGQR                       |          |         |         |
| P56677 | P56677 ST14_MOUSE  | Suppressor of tumorigenicity protein 14 - Mus  | -0.47033 | 0.38598 | 16.2573 |
|        |                    | 4207 FKLFLVDPNVPVGSC[174]TK                    |          |         |         |
|        |                    | 4208 FFTPFGFPNSPYPAHAR[162]                    |          |         |         |
|        |                    | 4209 SFVLTSVVAFPIDPR[162]                      |          |         |         |
|        |                    | 4210 FFTPFGFPNSPYPAHAR                         |          |         |         |
|        |                    | 4211 MFQAGVVSWECEG[174]AQR[162]                |          |         |         |
|        |                    | 4212 ALK[134]SFVLTSVVAFPIDPR[162]              |          |         |         |
|        |                    | 4213 SFDVAPC[174]DEHGSDLVTYDSLSPMEPHAVVR[162]  |          |         |         |
|        |                    | 4214 GDADSVLSLTFR[162]                         |          |         |         |
|        |                    | 4215 HPGFEATFFQLPK[134]                        |          |         |         |
|        |                    | 4216 EGGTGALILQK[134]GEIR[162]                 |          |         |         |
|        |                    | 4217 EGGTGALILQK[134]                          |          |         |         |
| P58069 | P58069 RASA2_MOUSE | Ras GTPase-activating protein 2 - Mus musculus | 0.48850  | 0.36160 | 6.4858  |
|        |                    | 4218 LVPFITAVAELDLK[134]DTPDANAIFR[162]        |          |         |         |
|        |                    | 4219 STIEK[134]LDEPHEK[134]                    |          |         |         |
|        |                    | 4220 IYSIFTLSELLK                              |          |         |         |
|        |                    | 4221 IYSIFTLSELLK[134]                         |          |         |         |
|        |                    | 4222 SC[174]EIDPVK[134]                        |          |         |         |
| P58252 | P58252 EF2_MOUSE   | Elongation factor 2 - Mus musculus             | -0.10405 | 0.84790 | 41.6084 |
|        |                    | 4223 AYLPVNESFGFTADLR                          |          |         |         |

4224 AYLPVNESFGFTADLR[162]  
4225 C[174]ELLYEGPPDDEAAMGIK[134]  
4226 C[174]LYASVLTAQPR[162]  
4227 EGALC[174]EENMR[162]  
4228 ETVSEESNVLC[174]LSK  
4229 ETVSEESNVLC[174]LSK[134]  
4230 GHVFEEESQVAGTPMFVVK[134]  
4231 WLPAGDALLQMITIHLPSPVTAQK  
4232 WLPAGDALLQMITIHLPSPVTAQK[134]  
4233 GVQYLNEIK[134]DSVVAGFQWATK[134]  
4234 KIWC[174]FGPDGTGPNILTDITK  
4235 LMEPIYLVEIQC[174]PEQVVGGIYGVLNR  
4236 LMEPIYLVEIQC[174]PEQVVGGIYGVLNR[162]  
4237 STAISLFYELSENDLNFIKQSK  
4238 TGTITTFEHAHNMR  
4239 YVEPIEDVPC[174]GNIVGLVGVDQFLVK[134]  
4240 LDSEDKDKEGKPLLK  
4241 GLKEGIPALDNFLDKL  
4242 VAVEAK[134]NPADLPK[134]  
4243 GVQYLNEIKDSVVAGFQWATK  
4244 VAVEAKNPADLPK  
4245 SANSPDGKKLPR  
4246 TGTITTFEHAHNMR[162]  
4247 TFC[174]QLILDPIFK[134]  
4248 VFSGVVSTGLK[134]  
4249 STLTDSLVC[174]K[134]  
4250 NMSVIAHVDHGK[134]  
4251 VFSGVVSTGLK  
4252 FSVSPVVR  
4253 STLTDSLVC[174]K  
4254 NMSVIAHVDHGK  
4255 SDPVVSYR[162]  
4256 TFC[174]QLILDPIFK



|        |                    |                                               |          |         |         |
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|        |                    | 4257 EGIPALDNFLDK[134]L                       |          |         |         |
|        |                    | 4258 EGIPALDNFLDKL                            |          |         |         |
|        |                    | 4259 GLK[134]EGIPALDNFLDK[134]L               |          |         |         |
| Q01853 | Q01853 TERA_MOUSE  | Transitional endoplasmic reticulum ATPase - N | -0.24642 | 0.64968 | 17.7419 |
|        |                    | 4260 K[134]YEMFAQTLQQSR[162]                  |          |         |         |
|        |                    | 4261 NAPAIIFIDEIDAIAPK                        |          |         |         |
|        |                    | 4262 QAAPC[174]VLFFDELDIAK[134]               |          |         |         |
|        |                    | 4263 AFEEAEKNAPAIIFIDEIDAIAPKR                |          |         |         |
|        |                    | 4264 AFEEAEKNAPAIIFIDEIDAIAPK                 |          |         |         |
|        |                    | 4265 IVSQLLTLMMDGLK[134]                      |          |         |         |
|        |                    | 4266 LGDVISIQPC[174]PDVK[134]                 |          |         |         |
|        |                    | 4267 NAPAIIFIDEIDAIAPK[134]                   |          |         |         |
|        |                    | 4268 IVSQLLTLMMDGLK                           |          |         |         |
|        |                    | 4269 K[134]GDIFLVR[162]                       |          |         |         |
|        |                    | 4270 QAAPC[174]VLFFDELDIAK                    |          |         |         |
|        |                    | 4271 LGDVISIQPC[174]PDVK                      |          |         |         |
|        |                    | 4272 LAGESESNLR                               |          |         |         |
|        |                    | 4273 LAGESESNLR[162]K[134]                    |          |         |         |
|        |                    | 4274 KYEMFAQTLQQSR                            |          |         |         |
|        |                    | 4275 WALSQSNPSALR[162]                        |          |         |         |
|        |                    | 4276 LAGESESNLRK                              |          |         |         |
|        |                    | 4277 LAGESESNLR[162]                          |          |         |         |
|        |                    | 4278 DHFEEAMR[162]                            |          |         |         |
|        |                    | 4279 WALSQSNPSALR                             |          |         |         |
|        |                    | 4280 ETVVEVPQVTWEDIGGEDVVR                    |          |         |         |
| Q60790 | Q60790 RASA3_MOUSE | Ras GTPase-activating protein 3 - Mus muscult | 0.14336  | 0.78889 | 20.5036 |
|        |                    | 4281 SLC[174]PFYGEDFYC[174]EIPR               |          |         |         |
|        |                    | 4282 SK[134]GDQPLC[174]NIPIENILAVR[162]       |          |         |         |
|        |                    | 4283 YGSQEHPIGDKSFQNYIR                       |          |         |         |
|        |                    | 4284 FGDEFLGELRLPLK                           |          |         |         |
|        |                    | 4285 SADVEPVASAAHILGEVC[174]R[162]            |          |         |         |
|        |                    | 4286 YGSQEHPIGDK                              |          |         |         |
|        |                    | 4287 SADVEPVASAAHILGEVC[174]R                 |          |         |         |

|        |                    |                                               |          |         |         |
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|        |                    | 4288 HSSSYEAWYFLQPR[162]                      |          |         |         |
|        |                    | 4289 HSSSYEAWYFLQPR                           |          |         |         |
|        |                    | 4290 FGDEFLGELR[162]LPLK[134]                 |          |         |         |
|        |                    | 4291 VVPFISAIASAEVK                           |          |         |         |
|        |                    | 4292 QQSEISTHSI                               |          |         |         |
|        |                    | 4293 FGDEFLGELR[162]                          |          |         |         |
|        |                    | 4294 TIQTLGSLSK                               |          |         |         |
|        |                    | 4295 SKGDQPLC[174]NIPIENILAVERLEEESFR         |          |         |         |
|        |                    | 4296 TQDPNTIFR                                |          |         |         |
|        |                    | 4297 LTNHEFTYQK[134]                          |          |         |         |
|        |                    | 4298 SIEQPILLK[134]                           |          |         |         |
|        |                    | 4299 SIEQPILLK                                |          |         |         |
| O88839 | O88839 ADA15_MOUSE | ADAM 15 precursor - Mus musculus              | 0.16394  | 0.75947 | 8.1019  |
|        |                    | 4300 APQSC[174]PPERPGPPQR                     |          |         |         |
|        |                    | 4301 APQSC[174]PPER[162]PGPPQR[162]           |          |         |         |
|        |                    | 4302 LGDGEPC[174]ASGEAVC[174]MHGR[162]        |          |         |         |
|        |                    | 4303 SQPLLGSVQDR                              |          |         |         |
|        |                    | 4304 SQGPTKPPPPR                              |          |         |         |
|        |                    | 4305 SQPLLGSVQDR[162]                         |          |         |         |
|        |                    | 4306 SNPPTR[162]PLPADPVVR[162]                |          |         |         |
| P61979 | P61979 HNRPK_MOUSE | Heterogeneous nuclear ribonucleoprotein K - I | -0.11189 | 0.83660 | 12.743  |
|        |                    | 4307 R[162]PAEDMEEEQAFK[134]R[162]            |          |         |         |
|        |                    | 4308 NTDEMVELR[162]                           |          |         |         |
|        |                    | 4309 GSYGDLGGPIITTQVTIPK[134]                 |          |         |         |
|        |                    | 4310 GSYGDLGGPIITTQVTIPK                      |          |         |         |
|        |                    | 4311 TDYNASVSPDSSGPER[162]                    |          |         |         |
| Q62313 | Q62313 TGON1_MOUSE | Trans-Golgi network integral membrane prote   | 0.22239  | 0.67790 | 10.4816 |
|        |                    | 4312 DADSGDSQNPPNQPSK                         |          |         |         |
|        |                    | 4313 VDLDK[134]PTSK[134]                      |          |         |         |
|        |                    | 4314 DADSGDSQNPPNQPSK[134]                    |          |         |         |
|        |                    | 4315 TAATDHSLGDSR                             |          |         |         |
|        |                    | 4316 VDLDKPTSK                                |          |         |         |
|        |                    | 4317 TAATDHSLGDSR[162]                        |          |         |         |

|        |                     |                                                  |          |         |         |
|--------|---------------------|--------------------------------------------------|----------|---------|---------|
| A1L314 | A1L314 A1L314_MOUSE | Mpeg1 protein - Mus musculus                     | -2.14255 | 0.00008 | 17.9523 |
|        |                     | 4318 VQSFGGVPFYPGITLETWQK[134]                   |          |         |         |
|        |                     | 4319 NALK[134]LPVLEVLPGGGWDNLR[162]              |          |         |         |
|        |                     | 4320 VMDLTYTNC[174]K[134]                        |          |         |         |
|        |                     | 4321 GITNHLVAIDR[162]                            |          |         |         |
|        |                     | 4322 TTPTSELSLGFTK[134]                          |          |         |         |
|        |                     | 4323 TTPTSELSLGFTK                               |          |         |         |
|        |                     | 4324 AGLPLHFFIKPDKLPGLPGPLVK                     |          |         |         |
|        |                     | 4325 TLQVK[134]DQAVTTR[162]                      |          |         |         |
|        |                     | 4326 TTEDGQYIIPDEVYTIPQK[134]                    |          |         |         |
|        |                     | 4327 TTEDGQYIIPDEVYTIPQK                         |          |         |         |
|        |                     | 4328 VMDLTYTNC[174]K                             |          |         |         |
|        |                     | 4329 VQSFGGVPFYPGITLETWQK                        |          |         |         |
|        |                     | 4330 LPVLEVLPGGGWDNLR[162]                       |          |         |         |
|        |                     | 4331 GITNHLVAIDR                                 |          |         |         |
|        |                     | 4332 AGLPLHFFIK[134]PDK[134]LPGLPGPLVK[134]      |          |         |         |
|        |                     | 4333 NALKLPVLEVLPGGGWDNLR                        |          |         |         |
|        |                     | 4334 LPGLPGPLVK[134]                             |          |         |         |
| O88398 | O88398 AVIL_MOUSE   | Advillin - Mus musculus                          | 0.16273  | 0.76119 | 4.0293  |
|        |                     | 4335 HVETNTYDVKR                                 |          |         |         |
|        |                     | 4336 HVETNTYDVK[134]R[162]                       |          |         |         |
|        |                     | 4337 LQQETLDVQVR[162]                            |          |         |         |
|        |                     | 4338 EVQYHESDTR[162]                             |          |         |         |
|        |                     | 4339 HVETNTYDVK                                  |          |         |         |
|        |                     | 4340 LQQETLDVQVR                                 |          |         |         |
| O88502 | O88502 PDE8A_MOUSE  | High affinity cAMP-specific and IBMX-insensitive | 0.60634  | 0.25747 | 6.8044  |
|        |                     | 4341 VINIINAAQENSPVPVTEALNR                      |          |         |         |
|        |                     | 4342 NLPPLSNNLATPVSLHDVPPR                       |          |         |         |
|        |                     | 4343 WSTAPGLVEPQPR                               |          |         |         |
|        |                     | 4344 WSTAPGLVEPQPR[162]                          |          |         |         |
| P35564 | P35564 CALX_MOUSE   | Calnexin precursor - Mus musculus                | -0.05491 | 0.91939 | 30.4569 |
|        |                     | 4345 APVPTGEVYFADSFDR                            |          |         |         |
|        |                     | 4346 VVDDWANDGWGLK[134]                          |          |         |         |

4347 VVDDWANDGWGLK[134]K[134]  
 4348 KPEDWDERPK  
 4349 VTYKAPVPTGEVYFADSFDR  
 4350 C[174]ESAPGC[174]GVWQRPMIDNPYK GK  
 4351 C[174]GEDYKLHFIFR  
 4352 C[174]GEDYK[134]LHFIFR[162]  
 4353 TAEISLDQFHDK[134]TPYTIMFGPDK[134]  
 4354 C[174]ESAPGC[174]GVWQRPMIDNPYK  
 4355 RVDDWANDGWGLKK  
 4356 C[174]ESAPGC[174]GVWQR[162]PMIDNPYK[134]  
 4357 VVDDWANDGWGLKK  
 4358 VTYK[134]APVPTGEVYFADSFDR[162]  
 4359 C[174]ESAPGC[174]GVWQR[162]PMIDNPYK[134]GK[134]  
 4360 RPDADLKTYFTDKK  
 4361 R[162]PDADLK[134]TYFTDK[134]  
 4362 K[134]IPNPdffEDLEPFK[134]  
 4363 APVPTGEVYFADSFDR[162]  
 4364 EIEDPEDRKPEDWDERPK  
 4365 K[134]PEDWDER[162]PK[134]  
 4366 LPGDKGLVLSMR  
 4367 TAEISLDQFHDKTPYTIMFGPDK  
 4368 GSLSGWILSK  
 4369 LPGDK[134]GLVLSMR[162]  
 4370 WKPPMIDNPYQGIWKPR  
 4371 GKWKPPMIDNPYQGIWKPR  
 4372 GSLSGWILSK[134]  
 4373 IPNPdffEDLEPFK  
 4374 WK[134]PPMIDNPYQGIWK[134]PR[162]  
 4375 GLVLSMR[162]

|        |                   |                                        |          |         |       |
|--------|-------------------|----------------------------------------|----------|---------|-------|
| P70168 | P70168 IMB1_MOUSE | Importin subunit beta-1 - Mus musculus | -0.24642 | 0.64968 | 6.621 |
|        |                   | 4376 LAATNALLNSLEFTK                   |          |         |       |
|        |                   | 4377 GALQYLPILTQTLTK[134]              |          |         |       |
|        |                   | 4378 AAVENLPTFLVELSR                   |          |         |       |

|        |                     |                                               |         |         |         |
|--------|---------------------|-----------------------------------------------|---------|---------|---------|
|        |                     | 4379 AAVENLPTFLVELSR[162]                     |         |         |         |
|        |                     | 4380 VLANPGNSQVAR[162]                        |         |         |         |
|        |                     | 4381 VLANPGNSQVAR                             |         |         |         |
|        |                     | 4382 GALQYLVPILTQTLTK                         |         |         |         |
|        |                     | 4383 LAATNALLNSLEFTK[134]                     |         |         |         |
| P97300 | P97300 NPTN_MOUSE   | Neuroplastin precursor - Mus musculus         | 0.09214 | 0.86337 | 26.6904 |
|        |                     | 4384 AEDSGEYHC[174]VYHFVSAPK                  |         |         |         |
|        |                     | 4385 AEDSGEYHC[174]VYHFVSAPK[134]             |         |         |         |
|        |                     | 4386 IVTSEEVIR[162]                           |         |         |         |
|        |                     | 4387 SVGYPHPEWIWR[162]                        |         |         |         |
|        |                     | 4388 SVGYPHPEWIWR                             |         |         |         |
|        |                     | 4389 IVTSEEVIR                                |         |         |         |
|        |                     | 4390 SENK[134]NEGQDAMMYC[174]K[134]           |         |         |         |
|        |                     | 4391 NGVELTATR[162]K[134]                     |         |         |         |
|        |                     | 4392 NGVELTATRK                               |         |         |         |
|        |                     | 4393 SENKNEGQDAMMYC[174]K                     |         |         |         |
|        |                     | 4394 RSENKNEGQDAMMYC[174]K                    |         |         |         |
|        |                     | 4395 NGVELTATR[162]                           |         |         |         |
|        |                     | 4396 NGVELTATR                                |         |         |         |
|        |                     | 4397 R[162]SENK[134]NEGQDAMMYC[174]K[134]     |         |         |         |
|        |                     | 4398 AAPDITGHK[134]R[162]                     |         |         |         |
|        |                     | 4399 AAPDITGHR                                |         |         |         |
| Q80W70 | Q80W70 Q80W70_MOUSE | RIKEN cDNA 9130023D20 gene - Mus musculus     | 0.54862 | 0.30555 | 8.3929  |
|        |                     | 4400 ALIAPDHVVPAPPEEC[174]YVYSPLGSAYK         |         |         |         |
|        |                     | 4401 ALIAPDHVVPAPPEEC[174]YVYSPLGSAYK[134]    |         |         |         |
|        |                     | 4402 SKRPFYIEPTNIVNVNDVIQR                    |         |         |         |
| Q8BG67 | Q8BG67 EFR3A_MOUSE  | Protein EFR3 homolog A - Mus musculus         | 0.51331 | 0.33773 | 21.0012 |
|        |                     | 4403 AGIIQVLLEAVAIAAK[134]                    |         |         |         |
|        |                     | 4404 LGPPSSPSAADK[134]EENPAVLAESC[174]FR[162] |         |         |         |
|        |                     | 4405 TMEAPYFLPEHIFR                           |         |         |         |
|        |                     | 4406 LGPPSSPSAADKEENPAVLAESC[174]FR           |         |         |         |
|        |                     | 4407 IAESLGGSGYSVER                           |         |         |         |
|        |                     | 4408 IAESLGGSGYSVER[162]                      |         |         |         |

|        |                    |                                                |          |         |         |
|--------|--------------------|------------------------------------------------|----------|---------|---------|
|        |                    | 4409 R[162]YDFFVSR[162]                        |          |         |         |
|        |                    | 4410 GSIGPTVLEVFNTLLK[134]                     |          |         |         |
|        |                    | 4411 GSVGSVTVSSK                               |          |         |         |
|        |                    | 4412 IVQNAVIQTIGFFGSNLPDYQR                    |          |         |         |
|        |                    | 4413 TMEAPYFLPEHIFR[162]                       |          |         |         |
|        |                    | 4414 GSVGSVTVSSK[134]                          |          |         |         |
|        |                    | 4415 IVPSLLFNMQK                               |          |         |         |
|        |                    | 4416 IGAYLAER[162]                             |          |         |         |
|        |                    | 4417 LQVLGTNSFVK                               |          |         |         |
|        |                    | 4418 LQVLGTNSFVK[134]                          |          |         |         |
|        |                    | 4419 IVPSLLFNMQK[134]                          |          |         |         |
|        |                    | 4420 LVDNIFPEDPKDGLVK                          |          |         |         |
|        |                    | 4421 IGAYLAER                                  |          |         |         |
| Q8CGC6 | Q8CGC6 RBM28_MOUSE | RNA-binding protein 28 - Mus musculus          | -1.25873 | 0.02033 | 4       |
|        |                    | 4422 AVQSATQDQSK[134]APGEQK[134]GK[134]        |          |         |         |
|        |                    | 4423 AVQSATQDQSKAPGEQKKGK                      |          |         |         |
|        |                    | 4424 AVQSATQDQSK[134]APGEQK[134]               |          |         |         |
|        |                    | 4425 QQLASSVQAPK[134]                          |          |         |         |
| Q920Q4 | Q920Q4 VPS16_MOUSE | Vacuolar protein sorting-associated protein 16 | 0.18184  | 0.73416 | 7.8665  |
|        |                    | 4426 LGDTPGVSYSDIAAR[162]                      |          |         |         |
|        |                    | 4427 VAALQTAADAFYK                             |          |         |         |
|        |                    | 4428 VAALQTAADAFYK[134]                        |          |         |         |
|        |                    | 4429 LGDTPGVSYSDIAAR                           |          |         |         |
|        |                    | 4430 ALLLVGDVAQAAEVAIEHR                       |          |         |         |
|        |                    | 4431 R[162]LEDELGGR[162]                       |          |         |         |
|        |                    | 4432 SGEQVPLLLK[134]                           |          |         |         |
| Q99KW9 | Q99KW9 TIP_MOUSE   | T-cell immunomodulatory protein precursor -    | 0.85829  | 0.10895 | 15.2459 |
|        |                    | 4433 SANFLDHLFVGIPRPPGEK                       |          |         |         |
|        |                    | 4434 ERNDLIVFLADQSAPYFKPK                      |          |         |         |
|        |                    | 4435 NDLIVFLADQSAPYFKPK                        |          |         |         |
|        |                    | 4436 NDLIVFLADQSAPYFK[134]PK[134]              |          |         |         |
|        |                    | 4437 VIVLSGLC[174]SNDC[174]PR[162]             |          |         |         |
|        |                    | 4438 KQEWTAIIPNSQLIVIPYPHNVPR                  |          |         |         |

|        |                     |                                                |         |         |         |
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|        |                     | 4439 SANFLDHLFVGIPR[162]PPGEK[134]             |         |         |         |
|        |                     | 4440 VIVLSGLC[174]SNDC[174]PR                  |         |         |         |
|        |                     | 4441 SGTGQWVPVLQDFS NK                         |         |         |         |
|        |                     | 4442 K[134]QEWTAIIPNSQLVIPYPHNVPR[162]         |         |         |         |
|        |                     | 4443 SGTGQWVPVLQDFS NK[134]                    |         |         |         |
| Q9WTR1 | Q9WTR1 TRPV2_MOUSE  | Transient receptor potential cation channel su | 0.53382 | 0.31878 | 9.7884  |
|        |                     | 4444 NSASEEDHLPLQLQSH                          |         |         |         |
|        |                     | 4445 YLTDSAYTEGSTGK                            |         |         |         |
|        |                     | 4446 YLTDSAYTEGSTGK[134]                       |         |         |         |
|        |                     | 4447 TLPTLSEDPGAGITGYK                         |         |         |         |
|        |                     | 4448 EFSGLYQPLSR                               |         |         |         |
|        |                     | 4449 EFSGLYQPLSR[162]                          |         |         |         |
|        |                     | 4450 VNLNYRK                                   |         |         |         |
|        |                     | 4451 LFSVVS R[162]                             |         |         |         |
|        |                     | 4452 TLPTLSEDPGAGITGYK[134]                    |         |         |         |
|        |                     | 4453 VNLNYR[162]K[134]                         |         |         |         |
| Q8K2J0 | Q8K2J0 PLCD3_MOUSE  | 1-phosphatidylinositol-4,5-bisphosphate phos   | 0.00000 | 1.00000 | 11.465  |
|        |                     | 4454 QLNTTFDPEC[174]PGPPR[162]                 |         |         |         |
|        |                     | 4455 QLNTTFDPEC[174]PGPPR                      |         |         |         |
|        |                     | 4456 TLDPSGPPQSC[174]TVGSLSER                  |         |         |         |
|        |                     | 4457 TLDPSGPPQSC[174]TVGSLSER[162]             |         |         |         |
|        |                     | 4458 TTLAIQVLTAQQLPK[134]                      |         |         |         |
|        |                     | 4459 LNAEK[134]PSSIVDPLVR[162]                 |         |         |         |
|        |                     | 4460 TTLAIQVLTAQQLPK                           |         |         |         |
|        |                     | 4461 LQEDGLSVWFQR[162]                         |         |         |         |
|        |                     | 4462 MVNVDMNDMYAYR[162]                        |         |         |         |
|        |                     | 4463 LQEDGLSVWFQR                              |         |         |         |
|        |                     | 4464 LNAEKPSSIVDPLVR                           |         |         |         |
| A2BFA6 | A2BFA6 A2BFA6_MOUSE | Alpha-N-acetylglucosaminidase - Mus musculu    | 0.70392 | 0.18863 | 22.5981 |
|        |                     | 4465 LLGPGPAANFLVSVER                          |         |         |         |
|        |                     | 4466 LLGPGPAANFLVSVER[162]                     |         |         |         |
|        |                     | 4467 NVFPLEQAFVYNK[134]                        |         |         |         |
|        |                     | 4468 SFGMIPVLP AFAGHVPK                        |         |         |         |

|        |                    |                                              |          |         |         |
|--------|--------------------|----------------------------------------------|----------|---------|---------|
|        |                    | 4469 AAVSEAEAQFYEQNSR                        |          |         |         |
|        |                    | 4470 ALADESGLDTYSLSGGGGVPVLVR                |          |         |         |
|        |                    | 4471 ALADESGLDTYSLSGGGGVPVLVR[162]           |          |         |         |
|        |                    | 4472 QLAGLVADYYQPR                           |          |         |         |
|        |                    | 4473 QLAGLVADYYQPR[162]                      |          |         |         |
|        |                    | 4474 YGVSQPDAAVAWK                           |          |         |         |
|        |                    | 4475 K[134]AAVSEAEAQFYEQNSR[162]             |          |         |         |
|        |                    | 4476 KAAVSEAEAQFYEQNSR                       |          |         |         |
|        |                    | 4477 WC[174]LFLGTLAHSRLR                     |          |         |         |
|        |                    | 4478 WC[174]LFLGTLAHSRLR[162]                |          |         |         |
|        |                    | 4479 GSTGVAAAAGLHR                           |          |         |         |
|        |                    | 4480 GSTGVAAAAGLHR[162]                      |          |         |         |
|        |                    | 4481 YDLLDVTR                                |          |         |         |
|        |                    | 4482 GVPFQQHEFEKNVFPLEQAFVYNK                |          |         |         |
|        |                    | 4483 AVLEAVPR[162]                           |          |         |         |
|        |                    | 4484 NVFPLEQAFVYNK                           |          |         |         |
|        |                    | 4485 SFGMIPVLPFAFGHVPK[134]                  |          |         |         |
| P07901 | P07901 HS90A_MOUSE | Heat shock protein HSP 90-alpha - Mus muscu  | -0.09337 | 0.86336 | 7.6398  |
|        |                    | 4486 ADLINNLGTIAK                            |          |         |         |
|        |                    | 4487 ADLINNLGTIAK[134]                       |          |         |         |
|        |                    | 4488 DQVANSASFVER[162]                       |          |         |         |
|        |                    | 4489 LGIHEDSQNR[162]                         |          |         |         |
|        |                    | 4490 DQVANSASFVER                            |          |         |         |
|        |                    | 4491 YIDQEELNK[134]                          |          |         |         |
|        |                    | 4492 YIDQEELNK                               |          |         |         |
|        |                    | 4493 ALLFVPR[162]                            |          |         |         |
|        |                    | 4494 YIDQEELNK[134]TK[134]PIWTR[162]         |          |         |         |
| P11499 | P11499 HS90B_MOUSE | Heat shock protein HSP 90-beta - Mus musculi | -0.17132 | 0.75217 | 20.0276 |
|        |                    | 4495 LVSSPC[174]C[174]IVTSTYGWTANMER         |          |         |         |
|        |                    | 4496 LVSSPC[174]C[174]IVTSTYGWTANMER[162]    |          |         |         |
|        |                    | 4497 YHTSQSGDEMTSLSEYVSR[162]                |          |         |         |
|        |                    | 4498 KHLEINPDHPIVETLR                        |          |         |         |
|        |                    | 4499 K[134]HLEINPDHPIVETLR[162]              |          |         |         |



|        |                   |                                              |          |         |         |
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|        |                   | 4500 HLEINPDHPIVETLR[162]                    |          |         |         |
|        |                   | 4501 LGIHEDSTNR[162]                         |          |         |         |
|        |                   | 4502 YHTSQSGDEMTSLSEYVSR                     |          |         |         |
|        |                   | 4503 DNSTMGYMMAK[134]                        |          |         |         |
|        |                   | 4504 LGIHEDSTNR                              |          |         |         |
|        |                   | 4505 HLEINPDHPIVETLR                         |          |         |         |
|        |                   | 4506 SIYYITGESK                              |          |         |         |
|        |                   | 4507 SIYYITGESK[134]                         |          |         |         |
|        |                   | 4508 R[162]APFDLFENK[134]                    |          |         |         |
|        |                   | 4509 RAPFDLFENK                              |          |         |         |
|        |                   | 4510 FYEAFSK[134]                            |          |         |         |
|        |                   | 4511 NPDDITQEEYGEFYK[134]                    |          |         |         |
|        |                   | 4512 NPDDITQEEYGEFYK                         |          |         |         |
|        |                   | 4513 SLTNDWEDHLAVK[134]                      |          |         |         |
|        |                   | 4514 TLTLVDTGIGMTK[134]                      |          |         |         |
| P28798 | P28798 GRN_MOUSE  | Granulins precursor - Mus musculus           | 1.99107  | 0.00020 | 13.9219 |
|        |                   | 4515 AVSLPFSVVC[174]PDAK                     |          |         |         |
|        |                   | 4516 SDTPC[174]DDFTR                         |          |         |         |
|        |                   | 4517 VHC[174]C[174]PHGASC[174]DLVHTR         |          |         |         |
|        |                   | 4518 TQC[174]PDDSTC[174]C[174]ELPTGK         |          |         |         |
|        |                   | 4519 VIAPLRLPDQILK                           |          |         |         |
|        |                   | 4520 C[174]VSPTGHTLLK                        |          |         |         |
|        |                   | 4521 C[174]VSPTGHTLLK[134]                   |          |         |         |
|        |                   | 4522 SDTPC[174]DDFTR[162]                    |          |         |         |
|        |                   | 4523 AVSLPFSVVC[174]PDAK[134]                |          |         |         |
| Q80UM7 | Q80UM7 GCS1_MOUSE | Mannosyl-oligosaccharide glucosidase - Mus n | -0.85664 | 0.11434 | 16.7866 |
|        |                   | 4524 SPK[134]PLLTGLMWAQQGATPGTPPK[134]       |          |         |         |
|        |                   | 4525 LVGSQLTQALESHAAAFK[134]                 |          |         |         |
|        |                   | 4526 SISGHTSELGDFR[162]                      |          |         |         |
|        |                   | 4527 LGPLLDVLADSR[162]                       |          |         |         |
|        |                   | 4528 DLALPTLLNPK[134]                        |          |         |         |
|        |                   | 4529 TLPSGLDDYPR[162]                        |          |         |         |
|        |                   | 4530 LTLLPPTSPGDTVPK[134]                    |          |         |         |

|        |                     |                                                |          |         |         |
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|        |                     | 4531 MDPALFPPVPLFSGVPSR[162]                   |          |         |         |
|        |                     | 4532 SR[162]PPQGLVR[162]                       |          |         |         |
|        |                     | 4533 C[174]WVALGAR[162]                        |          |         |         |
|        |                     | 4534 MDPALFPPVPLFSGVPSR                        |          |         |         |
|        |                     | 4535 LVGSQLTQALESHAAAFK[134]ER[162]            |          |         |         |
| Q8BFY9 | Q8BFY9 TNPO1_MOUSE  | Transportin-1 - Mus musculus                   | -0.25873 | 0.63343 | 2.5843  |
|        |                     | 4536 TLENTAITIGR[162]                          |          |         |         |
|        |                     | 4537 ESQSPDTTIQR[162]                          |          |         |         |
|        |                     | 4538 TLENTAITIGR                               |          |         |         |
| Q99KI0 | Q99KI0 ACON_MOUSE   | Aconitate hydratase, mitochondrial precursor   | -1.36565 | 0.01183 | 11.1538 |
|        |                     | 4539 AK[134]DINQEVYNFLATAGAK[134]              |          |         |         |
|        |                     | 4540 NAVTQEFGPVPDTAR[162]                      |          |         |         |
|        |                     | 4541 VGLIGSC[174]TNSSYEDMGR[162]               |          |         |         |
|        |                     | 4542 SQFTITPGSEQIR[162]                        |          |         |         |
|        |                     | 4543 WVVIGDENYGEGSSR[162]                      |          |         |         |
|        |                     | 4544 NAVTQEFGPVPDTAR                           |          |         |         |
|        |                     | 4545 NTIVTSYNR[162]                            |          |         |         |
| P10404 | P10404 ENV1_MOUSE   | MLV-related proviral Env polyprotein precursor | 1.89970  | 0.00039 | 6.2402  |
|        |                     | 4546 GLDLLFLK                                  |          |         |         |
|        |                     | 4547 GLDLLFLK[134]                             |          |         |         |
|        |                     | 4548 C[174]NPLVLEFTDAGK[134]K[134]             |          |         |         |
|        |                     | 4549 LTLSEVTGQGLC[174]VGAVPK                   |          |         |         |
|        |                     | 4550 C[174]NPLVLEFTDAGK                        |          |         |         |
|        |                     | 4551 C[174]NPLVLEFTDAGKK                       |          |         |         |
| Q71LX8 | Q71LX8 Q71LX8_MOUSE | Heat shock protein 84b - Mus musculus          | -0.41135 | 0.44832 | 3.8674  |
|        |                     | 4552 EQVANSAFVER[162]                          |          |         |         |
|        |                     | 4553 EQVANSAFVER                               |          |         |         |
|        |                     | 4554 ALLFIPR[162]                              |          |         |         |
|        |                     | 4555 SIYYITGESKEQVANSAFVER                     |          |         |         |
| Q8BFR4 | Q8BFR4 GNS_MOUSE    | N-acetylglucosamine-6-sulfatase precursor - N  | 0.68789  | 0.19889 | 16.3603 |
|        |                     | 4556 IQEPYTFPAILK                              |          |         |         |
|        |                     | 4557 AFQNVIAPR[162]                            |          |         |         |
|        |                     | 4558 AFQNVIAPR                                 |          |         |         |

|        |                    |                                              |          |         |         |
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|        |                    | 4559 IQEPYTFPAILK[134]                       |          |         |         |
|        |                    | 4560 SDVLVEYQGEGR                            |          |         |         |
|        |                    | 4561 SIDPELLGK                               |          |         |         |
|        |                    | 4562 SIDPELLGK[134]                          |          |         |         |
|        |                    | 4563 SDVLVEYQGEGR[162]                       |          |         |         |
|        |                    | 4564 QLYEFDIKVPLLVR                          |          |         |         |
|        |                    | 4565 QLYEFDIK[134]VPLLVR[162]                |          |         |         |
|        |                    | 4566 LMMLQSC[174]SGPTC[174]R[162]            |          |         |         |
|        |                    | 4567 WQTLLSVDDLVEK                           |          |         |         |
|        |                    | 4568 FLDDAFR                                 |          |         |         |
|        |                    | 4569 WQTLLSVDDLVEK[134]                      |          |         |         |
| O09044 | O09044 SNP23_MOUSE | Synaptosomal-associated protein 23 - Mus mu  | 0.16273  | 0.76119 | 42.381  |
|        |                    | 4570 ATWGDGGDNSPSNVVSK[134]                  |          |         |         |
|        |                    | 4571 ATWGDGGDNSPSNVVSK                       |          |         |         |
|        |                    | 4572 NMALDMGNEIDAQNQQIQK                     |          |         |         |
|        |                    | 4573 NMALDMGNEIDAQNQQIQK[134]                |          |         |         |
|        |                    | 4574 ITNDAREDEMEENLTQVGSILGNLK               |          |         |         |
|        |                    | 4575 AHQVTDESLESTRR                          |          |         |         |
|        |                    | 4576 ILGLAIESQDAGIK                          |          |         |         |
|        |                    | 4577 ILGLAIESQDAGIK[134]                     |          |         |         |
|        |                    | 4578 AHQVTDESLESTR[162]R[162]                |          |         |         |
| Q8BWC0 | Q8BWC0 TPC2_MOUSE  | Two pore calcium channel protein 2 - Mus mu: | 0.34330  | 0.52142 | 3.2832  |
|        |                    | 4579 AGPAGTTPELVGVPNPETFLPVLQK[134]          |          |         |         |
|        |                    | 4580 AGPAGTTPELVGVPNPETFLPVLQK               |          |         |         |
| Q60634 | Q60634 FLOT2_MOUSE | Flotillin-2 - Mus musculus                   | -0.31009 | 0.56762 | 48.1308 |
|        |                    | 4581 MALVLEALPQIAAK                          |          |         |         |
|        |                    | 4582 MALVLEALPQIAAK[134]                     |          |         |         |
|        |                    | 4583 TAEAQLAYELQGAR[162]                     |          |         |         |
|        |                    | 4584 IGAEAAVIEAMGK                           |          |         |         |
|        |                    | 4585 TAEAQLAYELQGAR                          |          |         |         |
|        |                    | 4586 IGAEAAVIEAMGK[134]                      |          |         |         |
|        |                    | 4587 DADIGVAEAER[162]                        |          |         |         |
|        |                    | 4588 NVVLQTLEGHLR[162]                       |          |         |         |

4589 QVLLAQAEAEK[134]  
4590 QVLLAQAEAEK  
4591 SAFSEEVNIK  
4592 SAFSEEVNIK[134]  
4593 TDK[134]ELIATVR[162]  
4594 IQQIAEGEK[134]  
4595 LLAELPASVHALTGVDLSK[134]  
4596 K[134]IGEAEAAVIEAMGK[134]  
4597 ISAPLTK[134]VDEIVVLSGDNSK[134]  
4598 QVLLAQAEAEK[134]IR[162]  
4599 TAEACLAYELQGAR[162]EQQK[134]  
4600 VDEIVVLSGDNSK  
4601 IGEAEAAVIEAMGKAEAR  
4602 IGEAEAAVIEAMGK[134]AEAER[162]  
4603 LLAELPASVHALTGVDLSK[134]IPLIK[134]  
4604 NVQDIKNVVLQTLEGHLR  
4605 NVQDIK[134]NVVLQTLEGHLR[162]  
4606 VDEIVVLSGDNSK[134]  
4607 KIGEAEAAVIEAMGK  
4608 SILGTLTVEQIYQDR[162]  
4609 ISAPLTKVDEIVVLSGDNSK  
4610 NVVLQTLEGHLR  
4611 LLAELPASVHALTGVDLSKIPLIK  
4612 QIAVEAQEILR  
4613 MGIEILSFTIK  
4614 LLAELPASVHALTGVDLSK  
4615 IQQIAEGEK[134]VK[134]  
4616 QIAVEAQEILRTDKELIATVR  
4617 QIAVEAQEILR[162]  
4618 DADIGVAEAEAR  
4619 QVLLAQAEAEKIR  
4620 IQQIAEGEKVK  
4621 IQQIAEGEK

|        |                    |                                                |         |         |         |
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| O35114 | O35114 SCRB2_MOUSE | Lysosome membrane protein 2 - Mus musculu      | 0.06010 | 0.91064 | 21.1297 |
|        |                    | 4622 NQSVGDPNVDLIR[162]                        |         |         |         |
|        |                    | 4623 SVHITFSSFENVEGLPAFR                       |         |         |         |
|        |                    | 4624 R[162]FQINTYVR[162]                       |         |         |         |
|        |                    | 4625 KLDDFVETGDIR                              |         |         |         |
|        |                    | 4626 RFQINTYVR                                 |         |         |         |
|        |                    | 4627 NGAPIIMSFPHFYQADEKFVSAIK                  |         |         |         |
|        |                    | 4628 FQINTYVR[162]                             |         |         |         |
|        |                    | 4629 GMHPNK[134]EEHESFVDINPLTGILR[162]         |         |         |         |
|        |                    | 4630 NQSVGDPNVDLIR                             |         |         |         |
|        |                    | 4631 GMHPNKEEHESFVDINPLTGILR                   |         |         |         |
|        |                    | 4632 NGAPIIMSFPHFYQADEK[134]FVSAIK[134]        |         |         |         |
|        |                    | 4633 SVHITFSSFENVEGLPAFR[162]                  |         |         |         |
| P42082 | P42082 CD86_MOUSE  | T-lymphocyte activation antigen CD86 precurs   | 1.31786 | 0.01385 | 20.3883 |
|        |                    | 4634 LVLYEHYLGTEKLDVNAK                        |         |         |         |
|        |                    | 4635 DSNADRETINLKELEPQIASAKPNAE                |         |         |         |
|        |                    | 4636 LVLYEHYLGTEK[134]LDVNAK[134]              |         |         |         |
|        |                    | 4637 DSNADR[162]ETINLK[134]ELEPQIASAK[134]PNAE |         |         |         |
|        |                    | 4638 LHNVQIK[134]DMGSYDC[174]FIQK[134]         |         |         |         |
|        |                    | 4639 DMGSYDC[174]FIQK                          |         |         |         |
|        |                    | 4640 ELEPQIASAK[134]PNAE                       |         |         |         |
|        |                    | 4641 LVLYEHYLGTEK                              |         |         |         |
|        |                    | 4642 DSNADRETINLK                              |         |         |         |
|        |                    | 4643 DSNADR[162]ETINLK[134]                    |         |         |         |
|        |                    | 4644 ELEPQIASAKPNAE                            |         |         |         |
|        |                    | 4645 DMGSYDC[174]FIQK[134]                     |         |         |         |
|        |                    | 4646 LHNVQIKDMGSYDC[174]FIQK                   |         |         |         |
|        |                    | 4647 LVLYEHYLGTEK[134]                         |         |         |         |
| Q05910 | Q05910 ADAM8_MOUSE | ADAM 8 precursor - Mus musculus                | 1.28264 | 0.01660 | 11.6223 |
|        |                    | 4648 R[162]PPPAPPGAVSSSPLPVPVYAPK[134]         |         |         |         |
|        |                    | 4649 SVAPKPISGLSNPLFYTR                        |         |         |         |
|        |                    | 4650 NRPPDPSETVSTNQPPRPIVKPK                   |         |         |         |
|        |                    | 4651 RPPPAPPGAVSSSPLPVPVYAPK                   |         |         |         |

|        |                    |                                                  |         |         |         |
|--------|--------------------|--------------------------------------------------|---------|---------|---------|
|        |                    | 4652 SVAPK[134]PISGLSNPLFYTR[162]                |         |         |         |
|        |                    | 4653 EGGGC[174]IMTESIGSKFPR                      |         |         |         |
|        |                    | 4654 C[174]GALYC[174]EGGQKPLER                   |         |         |         |
| Q61072 | Q61072 ADAM9_MOUSE | ADAM 9 precursor - Mus musculus                  | 0.59816 | 0.26394 | 13.4911 |
|        |                    | 4655 GYGGSVDSGPTYNAK                             |         |         |         |
|        |                    | 4656 GYGGSVDSGPTYNAK[134]                        |         |         |         |
|        |                    | 4657 ISSQGNLIPARPAPAPPLYSSLT                     |         |         |         |
|        |                    | 4658 ISSQGNLIPAR[162]PAPAPPLYSSLT                |         |         |         |
|        |                    | 4659 QPAQFPSR[162]PPPPQPK[134]                   |         |         |         |
|        |                    | 4660 GGSC[174]LLNIPK[134]PDEAYSAPSC[174]GNK[134] |         |         |         |
|        |                    | 4661 GGSC[174]LLNIPKPDEAYSAPSC[174]GNK           |         |         |         |
|        |                    | 4662 QPAQFPSRPPPPQPK                             |         |         |         |
|        |                    | 4663 LQC[174]ENVQDMPVFGIVPAIIQTPSR[162]          |         |         |         |
|        |                    | 4664 LVDPGEEC[174]DC[174]GTAK[134]               |         |         |         |
|        |                    | 4665 LQC[174]ENVQDMPVFGIVPAIIQTPSR               |         |         |         |
| Q9QUJ7 | Q9QUJ7 ACSL4_MOUSE | Long-chain-fatty-acid--CoA ligase 4 - Mus musc   | 0.24608 | 0.64582 | 43.1786 |
|        |                    | 4666 LSPEPWTPETGLVTDAFK                          |         |         |         |
|        |                    | 4667 LSPEPWTPETGLVTDAFK[134]                     |         |         |         |
|        |                    | 4668 IGYSSPLTSDQSSK                              |         |         |         |
|        |                    | 4669 IGYSSPLTSDQSSK[134]                         |         |         |         |
|        |                    | 4670 TAEDYC[174]VDENGQR                          |         |         |         |
|        |                    | 4671 TAEDYC[174]VDENGQR[162]                     |         |         |         |
|        |                    | 4672 VNNFGSGLTALGLKPK                            |         |         |         |
|        |                    | 4673 VNNFGSGLTALGLK[134]PK[134]                  |         |         |         |
|        |                    | 4674 EAVVHGLNESEASYLITSVELLESK[134]              |         |         |         |
|        |                    | 4675 GDC[174]TVLK[134]PTLMAAVPEIMDR[162]         |         |         |         |
|        |                    | 4676 EAVVHGLNESEASYLITSVELLESK                   |         |         |         |
|        |                    | 4677 GDC[174]TVLKPTLMAAVPEIMDR                   |         |         |         |
|        |                    | 4678 GEIVIGGQNISMGYFK                            |         |         |         |
|        |                    | 4679 GYDAPLC[174]NLILFK[134]                     |         |         |         |
|        |                    | 4680 IGYDYK[134]LEQIK[134]K[134]                 |         |         |         |
|        |                    | 4681 YNFPLVTLYATLGR                              |         |         |         |
|        |                    | 4682 YNFPLVTLYATLGR[162]                         |         |         |         |

4683 SDQSYVISFVVPNQK  
 4684 SDQSYVISFVVPNQK[134]  
 4685 EILSEENEMQPNGK[134]  
 4686 VGAPLIC[174]C[174]EIK[134]  
 4687 VGAPLIC[174]C[174]EIK  
 4688 FEIPIK[134]VR[162]  
 4689 NTIAIFC[174]ETR[162]  
 4690 WINYLEVNC[174]R[162]  
 4691 GEIVIGGQNISMGYFK[134]  
 4692 SVTHFDSLAVIDIPGADTLDK[134]  
 4693 VQEMNYVQK[134]  
 4694 IGYDYKLEQIKK  
 4695 VQEMNYVQK  
 4696 AKPTSDKPGSPYR  
 4697 SVTHFDSLAVIDIPGADTLDK  
 4698 NTIAIFC[174]ETR  
 4699 HIIYVDNK[134]  
 4700 AALVDINC[174]VK  
 4701 AALVDINC[174]VK[134]  
 4702 HIIYVDNK  
 4703 GYDAPLC[174]NLILFK  
 4704 IKAKPTSDKPGSPYR  
 4705 GEIVIGGQNISMGYFKNEEK  
 4706 GYDAPLC[174]NLILFK[134]K[134]  
 4707 WINYLEVNC[174]R  
 4708 LTLLAQK  
 4709 KLTLLAQK  
 4710 LTLLAQK[134]  
 4711 AK[134]PTSDK[134]PGSPYR[162]  
 4712 NVPVLFNDTETNLAGMYGK[134]  
 4713 ENTSNIFYSK[134]  
 4714 LQEADQVLSSR[162]

|        |                    |                                            |          |         |       |
|--------|--------------------|--------------------------------------------|----------|---------|-------|
| Q9QYE6 | Q9QYE6 GOGA5_MOUSE | Golgin subfamily A member 5 - Mus musculus | -0.57424 | 0.28985 | 5.487 |
|--------|--------------------|--------------------------------------------|----------|---------|-------|

|        |                    |                                                |          |         |         |
|--------|--------------------|------------------------------------------------|----------|---------|---------|
| Q61730 | Q61730 IL1AP_MOUSE | Interleukin-1 receptor accessory protein precu | 0.02137  | 0.96816 | 4.386   |
|        |                    | 4715 WSSNDK[134]QGLSYSSLK[134]                 |          |         |         |
|        |                    | 4716 VAFPLEVVQK                                |          |         |         |
|        |                    | 4717 VAFPLEVVQK[134]                           |          |         |         |
| Q8BHL4 | Q8BHL4 RAI3_MOUSE  | Retinoic acid-induced protein 3 - Mus musculu  | -0.06609 | 0.90304 | 7.5843  |
|        |                    | 4718 AQAPASPYNDYEGR[162]                       |          |         |         |
|        |                    | 4719 AQAPASPYNDYEGR                            |          |         |         |
|        |                    | 4720 TNVNVFSELPAPR[162]                        |          |         |         |
| P26043 | P26043 RADI_MOUSE  | Radixin - Mus musculus                         | -0.06609 | 0.90304 | 14.4082 |
|        |                    | 4721 SEEERVTTETQKNER                           |          |         |         |
|        |                    | 4722 EAILNDEIYC[174]PPETAVLLASYAVQAK[134]      |          |         |         |
|        |                    | 4723 KTQNDVLHAENVK                             |          |         |         |
|        |                    | 4724 K[134]TQNDVLHAENVK[134]                   |          |         |         |
|        |                    | 4725 QLQALSSELAQAR                             |          |         |         |
|        |                    | 4726 QLQALSSELAQAR[162]                        |          |         |         |
|        |                    | 4727 LR[162]QIEEQTVK[134]                      |          |         |         |
|        |                    | 4728 IALLEEAK                                  |          |         |         |
|        |                    | 4729 IALLEEAK[134]                             |          |         |         |
| P24638 | P24638 PPAL_MOUSE  | Lysosomal acid phosphatase precursor - Mus r   | -0.15840 | 0.77032 | 9.4563  |
|        |                    | 4730 LLK[134]FPLGPC[174]PR[162]                |          |         |         |
|        |                    | 4731 EGMLQHWELGQALR[162]                       |          |         |         |
|        |                    | 4732 LTEPVIPK[134]                             |          |         |         |
|        |                    | 4733 FVTLLYR                                   |          |         |         |
|        |                    | 4734 FVTLLYR[162]                              |          |         |         |
|        |                    | 4735 EGMLQHWELGQALR                            |          |         |         |
|        |                    | 4736 LLKFPLGPC[174]PR                          |          |         |         |
|        |                    | 4737 LTEPVIPK                                  |          |         |         |
| P20029 | P20029 GRP78_MOUSE | 78 kDa glucose-regulated protein precursor - M | -0.10108 | 0.85219 | 50.229  |
|        |                    | 4738 IINEPTAAAIAYGLDK[134]R[162]               |          |         |         |
|        |                    | 4739 LYGSGGPPPTGEEDTSEKDEL                     |          |         |         |
|        |                    | 4740 LYGSGGPPPTGEEDTSEK[134]DEL                |          |         |         |
|        |                    | 4741 NQLTSNPENTVFDK                            |          |         |         |
|        |                    | 4742 SQIFSTASDNQPTVTIK                         |          |         |         |



4743 VTHAVVTVPAYFNDAQR  
4744 VTHAVVTVPAYFNDAQR[162]  
4745 IDTR[162]NELESYAYSLK[134]  
4746 TK[134]PYIQVDIGGGQTK[134]  
4747 AK[134]FEELNMDLFR[162]  
4748 TKPYIQVDIGGGQTK  
4749 TFAPEEISAMVLTK[134]  
4750 NQLTSNPENTVFDK[134]  
4751 TFAPEEISAMVLTK  
4752 ITPSYVAFTPEGER[162]  
4753 ELEEIVQPIISK  
4754 SQIFSTASDNQPTVTIK[134]  
4755 ITPSYVAFTPEGER  
4756 DNHLLGTFDLTGIPPAPR[162]  
4757 VLEDSDLKKSDIDEIVLVGGSTR  
4758 AKFEELNMDLFR  
4759 ELEEIVQPIISK[134]  
4760 DAGTIAGLNVMR[162]  
4761 DAGTIAGLNVMR  
4762 NQLTSNPENTVFDKR  
4763 SDIDEIVLVGGSTR[162]  
4764 KSDIDEIVLVGGSTR  
4765 VYEGER[162]PLTK[134]  
4766 IDTRNELESYAYSLK  
4767 IINEPTAAAIAYGLDKR  
4768 TWNDPSVQQDIK[134]  
4769 VMEHFIK  
4770 NELESYAYSLK  
4771 VYEGERPLTK  
4772 VLEDSDLK[134]K[134]  
4773 K[134]SDIDEIVLVGGSTR[162]  
4774 NELESYAYSLK[134]  
4775 KKELEEIVQPIISK

4776 ITITNDQNR[162]  
 4777 ITITNDQNR  
 4778 MKETAEAYLGKK  
 4779 KSQIFSTASDNQPTVTIK  
 4780 K[134]VTHAVVTVPAYFNDAQR[162]  
 4781 NGRVEIANDQG NR  
 4782 MVNDAEK[134]FAEEDK[134]K[134]  
 4783 KTKPYIQVDIGGGQTK  
 4784 NK[134]ITITNDQNR[162]  
 4785 NKITITNDQNR  
 4786 NGR[162]VEIANDQG NR[162]  
 4787 NQLTSNPENTVFD AK[134]R[162]  
 4788 VLEDSLKK  
 4789 DNHLLGTFDLTGIPPAPR  
 4790 KVTHAVVTVPAYFNDAQR  
 4791 QATK[134]DAGTIAGLNVMR[162]  
 4792 ITPSYVAFTPEGERLIGDAAK  
 4793 MVNDAEKFAEEDKK  
 4794 LSSEDKETMEK  
 4795 VMEHFIK[134]  
 4796 IINEPTAAAIAYGLDK  
 4797 IINEPTAAAIAYGLDK[134]  
 4798 TWNDPSVQQDIK  
 4799 TNVLYELAQYASEPSEQEHLHK[134]  
 4800 NPFLAAVTTNR[162]  
 4801 FAVFGLGNK[134]  
 4802 NPFLAAVTTNR  
 4803 FAVFGLGNK  
 4804 TALTYLDITNPPR[162]  
 4805 IQTTAPPVK[134]  
 4806 LPFKPTTPVIMVGPGTGVAPFMGFIQER  
 4807 LPFK[134]PTTPVIMVGPGTGVAPFMGFIQER[162]

|        |                   |                                          |          |         |         |
|--------|-------------------|------------------------------------------|----------|---------|---------|
| P37040 | P37040 NCPR_MOUSE | NADPH--cytochrome P450 reductase - Mus m | -0.25873 | 0.63343 | 36.1357 |
|--------|-------------------|------------------------------------------|----------|---------|---------|

|        |                    |                                              |         |         |         |
|--------|--------------------|----------------------------------------------|---------|---------|---------|
|        |                    | 4808 NIIVFYGSQTGTAEFANR[162]                 |         |         |         |
|        |                    | 4809 VHPNSVHIC[174]AVAVEYEAK[134]            |         |         |         |
|        |                    | 4810 TALTYLDITNPPR                           |         |         |         |
|        |                    | 4811 YVDQR[162]LEQLGAQR[162]                 |         |         |         |
|        |                    | 4812 YVDQRLEQLGAQR                           |         |         |         |
|        |                    | 4813 LK[134]SYENQK[134]PPFDAK[134]           |         |         |         |
|        |                    | 4814 IQTTAPPVKESFVEK                         |         |         |         |
|        |                    | 4815 LIHEGGAHIYVC[174]GDAR[162]              |         |         |         |
|        |                    | 4816 EQGK[134]EVGETLLYYGC[174]R[162]         |         |         |         |
|        |                    | 4817 TYEHFNAMGK[134]                         |         |         |         |
|        |                    | 4818 VYVQHLLK[134]                           |         |         |         |
|        |                    | 4819 IQTTAPPVK[134]ESSFVEK[134]              |         |         |         |
|        |                    | 4820 SYENQK[134]PPFDAK[134]                  |         |         |         |
|        |                    | 4821 EQGKEVGETLLYYGC[174]R                   |         |         |         |
|        |                    | 4822 FHK[134]DGALTQLNVAFSR[162]              |         |         |         |
|        |                    | 4823 LKSYENQKPPFDAK                          |         |         |         |
|        |                    | 4824 QYELVVHEDMDTAK[134]                     |         |         |         |
|        |                    | 4825 SYENQKPPFDAK                            |         |         |         |
|        |                    | 4826 VYVQHLLK[134]R[162]                     |         |         |         |
| P97370 | P97370 AT1B3_MOUSE | Sodium/potassium-transporting ATPase subun   | 0.05698 | 0.91525 | 33.0935 |
|        |                    | 4827 LFIYNPSSGEFLGR[162]                     |         |         |         |
|        |                    | 4828 IIDLIPDGYQISC[174]LPK                   |         |         |         |
|        |                    | 4829 IIDLIPDGYQISC[174]LPK[134]              |         |         |         |
|        |                    | 4830 LFIYNPSSGEFLGR                          |         |         |         |
|        |                    | 4831 EVTVEC[174]HIAGTR[162]                  |         |         |         |
|        |                    | 4832 HVGYRQPLVAVQVK                          |         |         |         |
|        |                    | 4833 HVGYR[162]QPLVAVQVK[134]                |         |         |         |
|        |                    | 4834 AC[174]QFPVSLLEEC[174]SGVTDANFGYSK[134] |         |         |         |
|        |                    | 4835 AC[174]QFPVSLLEEC[174]SGVTDANFGYSK      |         |         |         |
|        |                    | 4836 EVTVEC[174]HIAGTR                       |         |         |         |
|        |                    | 4837 SFHQSLAEWK[134]                         |         |         |         |
|        |                    | 4838 QPLVAVQVK[134]                          |         |         |         |
|        |                    | 4839 QPLVAVQVK                               |         |         |         |

|        |                     |                                                |          |         |         |
|--------|---------------------|------------------------------------------------|----------|---------|---------|
|        |                     | 4840 SFHQSLAEWK                                |          |         |         |
|        |                     | 4841 KSFHQSLAEWK                               |          |         |         |
| Q09200 | Q09200 B4GN1_MOUSE  | Beta-1,4 N-acetylgalactosaminyltransferase 1 - | 0.86033  | 0.10811 | 15.0094 |
|        |                     | 4842 SLADQLLIAPANSPLQYPLQGVEVQPLR[162]         |          |         |         |
|        |                     | 4843 LVDVLEKTPLDLVGGA VR                       |          |         |         |
|        |                     | 4844 EISGYATTYR                                |          |         |         |
|        |                     | 4845 SLADQLLIAPANSPLQYPLQGVEVQPLR              |          |         |         |
|        |                     | 4846 VGSC[174]SDVVVDHASK                       |          |         |         |
|        |                     | 4847 GGS LPLPFLR[162]                          |          |         |         |
| Q5D071 | Q5D071 Q5D071_MOUSE | Acyl-CoA synthetase long-chain family membe    | 0.36018  | 0.50116 | 3.3755  |
|        |                     | 4848 MMLSGGAPLSPQTHR[162]                      |          |         |         |
|        |                     | 4849 NHY LK[134]DIER[162]                      |          |         |         |
|        |                     | 4850 NHY LKDIER                                |          |         |         |
| Q6PGF7 | Q6PGF7 EXOC8_MOUSE  | Exocyst complex component 8 - Mus musculus     | 0.02137  | 0.96816 | 7.9609  |
|        |                     | 4851 QNASFLYETVLPVVER                          |          |         |         |
|        |                     | 4852 SSLESIPLALLPAAAAGASAGEDTAGAGPR[162]       |          |         |         |
|        |                     | 4853 SSLESIPLALLPAAAAGASAGEDTAGAGPR            |          |         |         |
|        |                     | 4854 QNASFLYETVLPVVER[162]                     |          |         |         |
|        |                     | 4855 RFEEGVGKPAK                               |          |         |         |
| Q80WJ7 | Q80WJ7 LYRIC_MOUSE  | Protein LYRIC - Mus musculus                   | 0.10384  | 0.84624 | 7.9447  |
|        |                     | 4856 EEAAPPTPAPDDLAQLK[134]                    |          |         |         |
|        |                     | 4857 EEAAPPTPAPDDLAQLK                         |          |         |         |
|        |                     | 4858 SGKGDSTLQVSSR                             |          |         |         |
|        |                     | 4859 TLPPAISAEPSITLSK[134]                     |          |         |         |
| Q8R366 | Q8R366 IGSF8_MOUSE  | Immunoglobulin superfamily member 8 precu      | -0.34142 | 0.52915 | 29.2962 |
|        |                     | 4860 LVAQLDTEGIGSLGPGYEDR                      |          |         |         |
|        |                     | 4861 SDMAVEAGAPYAER                            |          |         |         |
|        |                     | 4862 LTVHEGQELALGC[174]LAQTK[134]              |          |         |         |
|        |                     | 4863 LVAQLDTEGIGSLGPGYEDR[162]                 |          |         |         |
|        |                     | 4864 LTVHEGQELALGC[174]LAQTK                   |          |         |         |
|        |                     | 4865 DSQFSYAVFGPR[162]                         |          |         |         |
|        |                     | 4866 VLPDELQVSAAPPGPR[162]                     |          |         |         |
|        |                     | 4867 DSQFSYAVFGPR                              |          |         |         |

|        |                    |                                                |          |         |         |
|--------|--------------------|------------------------------------------------|----------|---------|---------|
|        |                    | 4868 VASGDLQVQR[162]                           |          |         |         |
|        |                    | 4869 SDMAVEAGAPYAER[162]                       |          |         |         |
|        |                    | 4870 VLPDELQVSAAPPGR                           |          |         |         |
|        |                    | 4871 VASGDLQVQR                                |          |         |         |
|        |                    | 4872 ATLQEVVGLR[162]                           |          |         |         |
|        |                    | 4873 AVLAHVDVQTLSSQLAVTVGPGER[162]R[162]       |          |         |         |
|        |                    | 4874 HAAYSVGWEMAPAGAPGR                        |          |         |         |
|        |                    | 4875 SR[162]PLPVHVR[162]                       |          |         |         |
|        |                    | 4876 HAAYSVGWEMAPAGAPGR[162]                   |          |         |         |
|        |                    | 4877 SRPLPVHVR                                 |          |         |         |
|        |                    | 4878 AVLAHVDVQTLSSQLAVTVGPGER                  |          |         |         |
|        |                    | 4879 LRLEAARPADAGTYR                           |          |         |         |
|        |                    | 4880 LEAARPADAGTYR                             |          |         |         |
|        |                    | 4881 HTHLSVSFGR                                |          |         |         |
|        |                    | 4882 HTHLSVSFGR[162]                           |          |         |         |
|        |                    | 4883 LEAAR[162]PADAGTYR[162]                   |          |         |         |
| Q8VDZ4 | Q8VDZ4 ZDHC5_MOUSE | Probable palmitoyltransferase ZDHC5 - Mus i    | 0.44171  | 0.40941 | 4.4755  |
|        |                    | 4884 SAQGTGFELGQLQSIR[162]                     |          |         |         |
|        |                    | 4885 GLGSPEPGTTAPYLGR                          |          |         |         |
|        |                    | 4886 GLGSPEPGTTAPYLGR[162]                     |          |         |         |
|        |                    | 4887 SAQGTGFELGQLQSIR                          |          |         |         |
| Q921G6 | Q921G6 LRCH4_MOUSE | Leucine-rich repeat and calponin homology do   | -0.36565 | 0.50033 | 7.0588  |
|        |                    | 4888 SYDLSDITQADLSR[162]                       |          |         |         |
|        |                    | 4889 NQLSTLPDELGDLPLVR                         |          |         |         |
|        |                    | 4890 NQLSTLPDELGDLPLVR[162]                    |          |         |         |
|        |                    | 4891 YDGGLD SGFHSVDSGSK[134]                   |          |         |         |
| Q9EQH3 | Q9EQH3 VPS35_MOUSE | Vacuolar protein sorting-associated protein 35 | -0.48113 | 0.37517 | 5.5276  |
|        |                    | 4892 SDDPDQQYLILNTAR[162]                      |          |         |         |
|        |                    | 4893 IPVDTYNNILTVLK[134]                       |          |         |         |
|        |                    | 4894 ESPESEGP IYEG LIL                         |          |         |         |
| Q9Z1M0 | Q9Z1M0 P2RX7_MOUSE | P2X purinoceptor 7 - Mus musculus              | -0.08881 | 0.86997 | 12.2689 |
|        |                    | 4895 KEPVISSVHTK                               |          |         |         |
|        |                    | 4896 K[134]EPVISSVHTK[134]                     |          |         |         |

|        |                    |                                                |          |         |         |
|--------|--------------------|------------------------------------------------|----------|---------|---------|
|        |                    | 4897 YVSFVDEPHIR[162]                          |          |         |         |
|        |                    | 4898 YVSFVDEPHIR                               |          |         |         |
|        |                    | 4899 SEGQVQTLC[174]PEYPR                       |          |         |         |
|        |                    | 4900 GQEVPR[162]PQMDFSDLR[162]                 |          |         |         |
|        |                    | 4901 SEGQVQTLC[174]PEYPR[162]                  |          |         |         |
|        |                    | 4902 MVDQQLLGK[134]                            |          |         |         |
|        |                    | 4903 MVDQQLLGK                                 |          |         |         |
|        |                    | 4904 TEGQYSGFK[134]YPY                         |          |         |         |
| Q8BY89 | Q8BY89 CTL2_MOUSE  | Choline transporter-like protein 2 - Mus musc  | 0.19287  | 0.71870 | 8.2386  |
|        |                    | 4905 VVDDTAC[174]PLLR[162]                     |          |         |         |
|        |                    | 4906 DGEC[174]PAVITPSKPLAQR                    |          |         |         |
|        |                    | 4907 DGEC[174]PAVITPSK[134]PLAQR[162]          |          |         |         |
|        |                    | 4908 K[134]PDDMPAFPLSAFGR[162]                 |          |         |         |
|        |                    | 4909 NADK[134]PFLFYFNIVK[134]                  |          |         |         |
| Q80X71 | Q80X71 T106B_MOUSE | Transmembrane protein 106B - Mus musculus      | -0.04255 | 0.93748 | 32      |
|        |                    | 4910 GQENQLVALIPYSDQR                          |          |         |         |
|        |                    | 4911 GQENQLVALIPYSDQR[162]                     |          |         |         |
|        |                    | 4912 DSVTC[174]PTC[174]QGTGR[162]              |          |         |         |
|        |                    | 4913 DSVTC[174]PTC[174]QGTGR                   |          |         |         |
|        |                    | 4914 NGDVSQFPYVEFTGR                           |          |         |         |
|        |                    | 4915 SAYVSYDAEK[134]R[162]                     |          |         |         |
|        |                    | 4916 YQYVDC[174]GR[162]                        |          |         |         |
|        |                    | 4917 SLSHLPLHSNK[134]EDGYDGVSTDNMR[162]        |          |         |         |
|        |                    | 4918 YQYVDC[174]GR                             |          |         |         |
| Q9CZW4 | Q9CZW4 ACSL3_MOUSE | Long-chain-fatty-acid--CoA ligase 3 - Mus musc | 0.34877  | 0.51481 | 10.6944 |
|        |                    | 4919 LQAGEYVSLGK                               |          |         |         |
|        |                    | 4920 LQAGEYVSLGK[134]                          |          |         |         |
|        |                    | 4921 AKPVSSKPD SAYR                            |          |         |         |
|        |                    | 4922 NLFILAYNYK                                |          |         |         |
|        |                    | 4923 VLSEAAISASLEK[134]FEIPLK[134]             |          |         |         |
|        |                    | 4924 IGYSSPQTLADQSSK                           |          |         |         |
|        |                    | 4925 IGYSSPQTLADQSSK[134]                      |          |         |         |
|        |                    | 4926 THYQADIER[162]                            |          |         |         |

|        |                    |                                                       |          |         |         |
|--------|--------------------|-------------------------------------------------------|----------|---------|---------|
| P46460 | P46460 NSF_MOUSE   | 4927 NLFILAYNYK[134]                                  | -0.39366 | 0.46808 | 17.8763 |
|        |                    | Vesicle-fusing ATPase - Mus musculus                  |          |         |         |
|        |                    | 4928 MGIGGLDK[134]EFSDIFR[162]                        |          |         |         |
|        |                    | 4929 TPLVSVLLEGPPHSGK[134]                            |          |         |         |
|        |                    | 4930 C[174]PTDELSLSNC[174]AVVNEKDFQSGQHVMVR           |          |         |         |
|        |                    | 4931 C[174]PTDELSLSNC[174]AVVNEK[134]DFQSGQHVMVR[162] |          |         |         |
|        |                    | 4932 NSDRTPLVSVLLEGPPHSGK                             |          |         |         |
|        |                    | 4933 LGANSGLHIIIFDEIDAIC[174]K[134]                   |          |         |         |
|        |                    | 4934 THPSVVP GC[174]IAFSLPQR[162]                     |          |         |         |
|        |                    | 4935 MGIGGLDKEFSDIFR                                  |          |         |         |
| Q61009 | Q61009 SCRB1_MOUSE | 4936 GSMAGSTGVHDTVVNQLLSK[134]                        | -0.97863 | 0.07126 | 7.8585  |
|        |                    | 4937 VLDDGELLVQQT K[134]                              |          |         |         |
|        |                    | Scavenger receptor class B member 1 - Mus m           |          |         |         |
|        |                    | 4938 FGAPLFLSHPHFYNADPVLSEAVLGLNPNPK                  |          |         |         |
|        |                    | 4939 FGAPLFLSHPHFYNADPVLSEAVLGLNPNPK[134]             |          |         |         |
| P50516 | P50516 VATA_MOUSE  | 4940 VFEGIPTYR[162]                                   | -1.06609 | 0.04941 | 42.4635 |
|        |                    | 4941 VFEGIPTYR                                        |          |         |         |
|        |                    | Vacuolar ATP synthase catalytic subunit A - Mu        |          |         |         |
|        |                    | 4942 VGSHTGGDIYGIVNENSLIK[134]                        |          |         |         |
|        |                    | 4943 ADYAQLLED MQNAFR                                 |          |         |         |
|        |                    | 4944 ADYAQLLED MQNAFR[162]                            |          |         |         |
|        |                    | 4945 AK[134]EILQEEEDLAEIVQLVGK[134]                   |          |         |         |
|        |                    | 4946 ASLAETDK[134]ITLEVAK[134]                        |          |         |         |
|        |                    | 4947 EILQEEEDLAEIVQLVGK                               |          |         |         |
|        |                    | 4948 EILQEEEDLAEIVQLVGK[134]                          |          |         |         |
|        |                    | 4949 LAEMPADSGYPAYLGAR                                |          |         |         |
|        |                    | 4950 LAEMPADSGYPAYLGAR[162]                           |          |         |         |
|        |                    | 4951 TALVANTS NMPVAAR[162]                            |          |         |         |
|        |                    | 4952 TVGMLSNMISFYDMAR[162]                            |          |         |         |
|        |                    | 4953 VLDALFPC[174]VQGGTTAIPGAFGC[174]GK[134]          |          |         |         |
|        |                    | 4954 YSNSDVIIYVGC[174]GER[162]                        |          |         |         |
|        |                    | 4955 ALDEYYDK[134]HFTEFVPLR[162]                      |          |         |         |
|        |                    | 4956 IKADYAQLLED MQNAFR                               |          |         |         |

|        |                    |                                            |          |         |         |
|--------|--------------------|--------------------------------------------|----------|---------|---------|
|        |                    | 4957 IK[134]ADYAQLLEDMQNAFR[162]           |          |         |         |
|        |                    | 4958 TVGMLSNMISFYDMAR                      |          |         |         |
|        |                    | 4959 LPANHPLLTGQR[162]                     |          |         |         |
|        |                    | 4960 TALVANTSNMPVAAR                       |          |         |         |
|        |                    | 4961 EASIYTGITLSEYFR[162]                  |          |         |         |
|        |                    | 4962 FSMVQVWPVR                            |          |         |         |
|        |                    | 4963 FSMVQVWPVR[162]                       |          |         |         |
|        |                    | 4964 VGSHTGGDIYGIVNENSLIK                  |          |         |         |
|        |                    | 4965 AKEILQEEEDLAEIVQLVGK                  |          |         |         |
|        |                    | 4966 VGHSELVGEIIR[162]                     |          |         |         |
|        |                    | 4967 FKDPVKDGEAK                           |          |         |         |
|        |                    | 4968 VLDALFPC[174]VQGGTTAIPGAFGC[174]GK    |          |         |         |
|        |                    | 4969 EHMGEILYK[134]                        |          |         |         |
|        |                    | 4970 FK[134]DPVK[134]DGEAK[134]            |          |         |         |
|        |                    | 4971 LPANHPLLTGQR                          |          |         |         |
|        |                    | 4972 GVNVSALSR[162]                        |          |         |         |
|        |                    | 4973 GVNVSALSR                             |          |         |         |
|        |                    | 4974 LASFYER                               |          |         |         |
|        |                    | 4975 LASFYER[162]                          |          |         |         |
| O35250 | O35250 EXOC7_MOUSE | Exocyst complex component 7 - Mus musculus | -0.70854 | 0.19155 | 11.1908 |
|        |                    | 4976 AVEYFQDNSPDSPELNK[134]                |          |         |         |
|        |                    | 4977 VLGNLQLNLLSK                          |          |         |         |
|        |                    | 4978 NMVSILSSFESR                          |          |         |         |
|        |                    | 4979 NMVSILSSFESR[162]                     |          |         |         |
|        |                    | 4980 AVEYFQDNSPDSPELNK[134]VK[134]         |          |         |         |
|        |                    | 4981 VLGNLQLNLLSK[134]                     |          |         |         |
|        |                    | 4982 HDFSTVLTVFPILR[162]                   |          |         |         |
|        |                    | 4983 VYEDPALSAIFLHNNYNYILK[134]            |          |         |         |
| P03975 | P03975 IGEB_MOUSE  | IgE-binding protein - Mus musculus         | 1.48045  | 0.00569 | 19.3896 |
|        |                    | 4984 IFGESEQAAPLIEQLIYEQATK                |          |         |         |
|        |                    | 4985 IFGESEQAAPLIEQLIYEQATK[134]           |          |         |         |
|        |                    | 4986 IIQGPQESFSDFVAR                       |          |         |         |
|        |                    | 4987 LQGPPYAESPPC[174]VVR                  |          |         |         |



|        |                    |                                               |          |         |        |
|--------|--------------------|-----------------------------------------------|----------|---------|--------|
|        |                    | 4988 ANAAALTPEQR                              |          |         |        |
|        |                    | 4989 IIQGPQESFSDFVAR[162]                     |          |         |        |
|        |                    | 4990 ANAAALTPEQR[162]                         |          |         |        |
|        |                    | 4991 LQGPPYAESPPC[174]VVR[162]                |          |         |        |
|        |                    | 4992 IQQAFPVFEGAEGGR[162]                     |          |         |        |
|        |                    | 4993 KIQQAFPVFEGAEGGR                         |          |         |        |
|        |                    | 4994 YGTNANFTLVQLDR                           |          |         |        |
|        |                    | 4995 IQQAFPVFEGAEGGR                          |          |         |        |
|        |                    | 4996 AAGEGQFADWPQGSR                          |          |         |        |
|        |                    | 4997 AAGEGQFADWPQGSR[162]                     |          |         |        |
| P08003 | P08003 PDIA4_MOUSE | Protein disulfide-isomerase A4 precursor - Mu | 0.08366  | 0.87584 | 5.1724 |
|        |                    | 4998 VDATEQTDLAK[134]                         |          |         |        |
|        |                    | 4999 VDATEQTDLAK                              |          |         |        |
|        |                    | 5000 YGIVDYMIEQSGPPSKEILTLK                   |          |         |        |
| P10923 | P10923 OSTP_MOUSE  | Osteopontin precursor - Mus musculus          | 1.21004  | 0.02383 | 14.966 |
|        |                    | 5001 SFQVSDEQYPDATDEDLTSHMK                   |          |         |        |
|        |                    | 5002 ISHELESSSEVN                             |          |         |        |
|        |                    | 5003 GDSLAYGLR                                |          |         |        |
|        |                    | 5004 GDSLAYGLR[162]                           |          |         |        |
| P17156 | P17156 HSP72_MOUSE | Heat shock-related 70 kDa protein 2 - Mus mu  | -0.39494 | 0.46664 | 7.109  |
|        |                    | 5005 IINEPTAAAIAYGLDKK                        |          |         |        |
|        |                    | 5006 IINEPTAAAIAYGLDK[134]K[134]              |          |         |        |
|        |                    | 5007 STAGDTHLGGEDFDNR                         |          |         |        |
|        |                    | 5008 STAGDTHLGGEDFDNR[162]                    |          |         |        |
|        |                    | 5009 ARFEELNADLFR                             |          |         |        |
|        |                    | 5010 AR[162]FEELNADLFR[162]                   |          |         |        |
|        |                    | 5011 FEELNADLFR[162]                          |          |         |        |
|        |                    | 5012 FEELNADLFR                               |          |         |        |
| P29341 | P29341 PABP1_MOUSE | Polyadenylate-binding protein 1 - Mus muscul  | -0.74461 | 0.16991 | 33.805 |
|        |                    | 5013 ALYDTFSAFGNILSC[174]K                    |          |         |        |
|        |                    | 5014 GFGFVC[174]FSSPEEATK[134]                |          |         |        |
|        |                    | 5015 IVATK[134]PLYVALAQR[162]                 |          |         |        |
|        |                    | 5016 SLGYAYVNFQQPADAER                        |          |         |        |

|        |                    |      |                                                |          |         |         |
|--------|--------------------|------|------------------------------------------------|----------|---------|---------|
|        |                    | 5017 | SLGYAYVNFQQPADAER[162]                         |          |         |         |
|        |                    | 5018 | GYGFVHFETQEAAER[162]                           |          |         |         |
|        |                    | 5019 | SKVDEAVAVLQAHQAK                               |          |         |         |
|        |                    | 5020 | SK[134]VDEAVAVLQAHQAK[134]                     |          |         |         |
|        |                    | 5021 | QAHLTNQYMQR[162]                               |          |         |         |
|        |                    | 5022 | QAHLTNQYMQR                                    |          |         |         |
|        |                    | 5023 | ALDTMNFDFVIK                                   |          |         |         |
|        |                    | 5024 | ALDTMNFDFVIK[134]                              |          |         |         |
|        |                    | 5025 | EFSPFGTITSAK[134]                              |          |         |         |
|        |                    | 5026 | LFPLIQAMHPSLAGK[134]                           |          |         |         |
|        |                    | 5027 | AK[134]EFTNVYIK[134]                           |          |         |         |
|        |                    | 5028 | ITGMILLEIDNSELLHMLESPESLR[162]                 |          |         |         |
|        |                    | 5029 | GFGFVSFER[162]                                 |          |         |         |
|        |                    | 5030 | SGVGNIFIK[134]                                 |          |         |         |
|        |                    | 5031 | YQGVNLYVK[134]                                 |          |         |         |
|        |                    | 5032 | GFGFVSFER                                      |          |         |         |
|        |                    | 5033 | EFSPFGTITSAK                                   |          |         |         |
|        |                    | 5034 | SGVGNIFIK                                      |          |         |         |
|        |                    | 5035 | FSPAGPILSIR                                    |          |         |         |
|        |                    | 5036 | K[134]EFSPFGTITSAK[134]                        |          |         |         |
|        |                    | 5037 | YQGVNLYVK                                      |          |         |         |
|        |                    | 5038 | ALYDTFSAFGNILSC[174]K[134]                     |          |         |         |
| P38647 | P38647 GRP75_MOUSE |      | Stress-70 protein, mitochondrial precursor - M | -1.36565 | 0.01183 | 7.9529  |
|        |                    | 5039 | LYSPSQIGAFVLMK[134]                            |          |         |         |
|        |                    | 5040 | NAVITVPAYFNDSQR[162]                           |          |         |         |
|        |                    | 5041 | AQFEGIVTDLIK[134]R[162]                        |          |         |         |
|        |                    | 5042 | R[162]YDDPEVQK[134]DTK[134]                    |          |         |         |
| Q64735 | Q64735 CRRY_MOUSE  |      | Complement regulatory protein Crry precursor   | 0.88554  | 0.09816 | 22.1532 |
|        |                    | 5043 | LQSLLTSQENSSTTSPAR[162]                        |          |         |         |
|        |                    | 5044 | LQSLLTSQENSSTTSPAR                             |          |         |         |
|        |                    | 5045 | LPQEMSGFQK                                     |          |         |         |
|        |                    | 5046 | LPQEMSGFQK[134]                                |          |         |         |
|        |                    | 5047 | SLFSLRDIVEFR                                   |          |         |         |

|        |                    |                                                  |         |         |         |
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|        |                    | 5048 SLFSLR[162]DIVEFR[162]                      |         |         |         |
|        |                    | 5049 TPSDPENGLVHVHTGIQFGSR                       |         |         |         |
|        |                    | 5050 GASSVHC[174]QSLNK                           |         |         |         |
|        |                    | 5051 C[174]HPGFIMK                               |         |         |         |
|        |                    | 5052 GVIC[174]RLPQEMSGFQK                        |         |         |         |
|        |                    | 5053 GVIC[174]R[162]LPQEMSGFQK[134]              |         |         |         |
|        |                    | 5054 TPSDPENGLVHVHTGIQFGSR[162]                  |         |         |         |
|        |                    | 5055 QDSTWTS AEDK                                |         |         |         |
|        |                    | 5056 INYTC[174]NQGYR                             |         |         |         |
|        |                    | 5057 INYTC[174]NQGYR[162]                        |         |         |         |
| Q6A0D4 | Q6A0D4 RFTN1_MOUSE | Raftlin - Mus musculus                           | 0.27803 | 0.60359 | 37.9061 |
|        |                    | 5058 SEGDPSPNGPEELPSR                            |         |         |         |
|        |                    | 5059 SQK[134]AELHDEGYTLELDYC[174]SSLEHLADQK[134] |         |         |         |
|        |                    | 5060 DLPDQLLELYQQGFSLAALHPFVQPTR[162]            |         |         |         |
|        |                    | 5061 DLPDQLLELYQQGFSLAALHPFVQPTR                 |         |         |         |
|        |                    | 5062 K[134]MEIFAFFNR[162]PK[134]                 |         |         |         |
|        |                    | 5063 SEGDPSPNGPEELPSR[162]                       |         |         |         |
|        |                    | 5064 FVSVVPQYQPSVSSAGSR                          |         |         |         |
|        |                    | 5065 FVSVVPQYQPSVSSAGSR[162]                     |         |         |         |
|        |                    | 5066 GLQPALDRSEGDPSPNGPEELPSR                    |         |         |         |
|        |                    | 5067 KMEIFAFFNRPK                                |         |         |         |
|        |                    | 5068 LKPVANSVEDAR                                |         |         |         |
|        |                    | 5069 SSLENDTPK[134]AAETDAATAGVNR[162]            |         |         |         |
|        |                    | 5070 AAETDAATAGVNR[162]                          |         |         |         |
|        |                    | 5071 QYYPVTIPLQVSK[134]                          |         |         |         |
|        |                    | 5072 AAETDAATAGVNR                               |         |         |         |
|        |                    | 5073 LK[134]PVANSVEDAR[162]                      |         |         |         |
|        |                    | 5074 QYYPVTIPLQVSK                               |         |         |         |
|        |                    | 5075 SSLENDTPKAAETDAATAGVNR                      |         |         |         |
|        |                    | 5076 HSNPRAEAE AAGPTPEAN                         |         |         |         |
|        |                    | 5077 GLQPALDR[162]SEGDPSPNGPEELPSR[162]          |         |         |         |
|        |                    | 5078 HSNPR[162]AEAE AAGPTPEAN                    |         |         |         |
|        |                    | 5079 RLKPVANSVEDAR                               |         |         |         |

|        |                     |                                              |         |         |         |
|--------|---------------------|----------------------------------------------|---------|---------|---------|
|        |                     | 5080 R[162]PGNIYSTLK[134]                    |         |         |         |
|        |                     | 5081 MEIFAFFNRPK                             |         |         |         |
|        |                     | 5082 QIVFLQR[162]PC[174]LPQK[134]            |         |         |         |
|        |                     | 5083 RPGNIYSTLK                              |         |         |         |
|        |                     | 5084 K[134]VQEAAASQGLK[134]                  |         |         |         |
|        |                     | 5085 KVQEAAASQGLK                            |         |         |         |
|        |                     | 5086 VQEAAASQGLK[134]                        |         |         |         |
| Q80VF9 | Q80VF9 Q80VF9_MOUSE | Rftn1 protein (Fragment) - Mus musculus      | 0.39334 | 0.46258 | 7.1429  |
|        |                     | 5087 LSASDKQQAENEKNLEDQFSK                   |         |         |         |
|        |                     | 5088 GKLSASDKQQAENEK                         |         |         |         |
|        |                     | 5089 LSASDKQQAENEK                           |         |         |         |
|        |                     | 5090 LSASDK[134]QQAENEK[134]                 |         |         |         |
| Q8CIM5 | Q8CIM5 GPR84_MOUSE  | Probable G-protein coupled receptor 84 - Mus | 0.31010 | 0.56249 | 17.9293 |
|        |                     | 5091 GPSEGISSEPVSAATTQTLEGDSSEAGGQGIR[162]   |         |         |         |
|        |                     | 5092 GPSEGISSEPVSAATTQTLEGDSSEAGGQGIRK       |         |         |         |
|        |                     | 5093 ALDQYGLHQASIR[162]                      |         |         |         |
|        |                     | 5094 ALDQYGLHQASIR                           |         |         |         |
|        |                     | 5095 SHQVAGTQEAMPGHFQELDSGVASR               |         |         |         |
|        |                     | 5096 SHQVAGTQEAMPGHFQELDSGVASR[162]          |         |         |         |
| Q8K1B8 | Q8K1B8 URP2_MOUSE   | Fermitin family homolog 3 - Mus musculus     | 0.00000 | 1.00000 | 9.3233  |
|        |                     | 5097 VVGEEDPEAQSVTLR[162]                    |         |         |         |
|        |                     | 5098 VVGEEDPEAQSVTLR                         |         |         |         |
|        |                     | 5099 GC[174]EVVPDVNVSGQK[134]                |         |         |         |
|        |                     | 5100 VVLAGGVAPTLFR[162]                      |         |         |         |
|        |                     | 5101 VVLAGGVAPTLFR                           |         |         |         |
|        |                     | 5102 ILEAHQNVAQLSLTEAQLR                     |         |         |         |
| Q8VC42 | Q8VC42 MIC1_MOUSE   | Uncharacterized protein C18orf8 homolog - M  | 0.10384 | 0.84624 | 4.414   |
|        |                     | 5103 LSTANDEIVEVLLSK[134]                    |         |         |         |
|        |                     | 5104 LSTANDEIVEVLLSK                         |         |         |         |
|        |                     | 5105 QVFGEQALMR[162]PTTF                     |         |         |         |
| Q91ZR2 | Q91ZR2 SNX18_MOUSE  | Sorting nexin-18 - Mus musculus              | 0.34330 | 0.52142 | 4.7231  |
|        |                     | 5106 APEPGPPADGGPGAPAR                       |         |         |         |
|        |                     | 5107 APEPGPPADGGPGAPAR[162]                  |         |         |         |

|        |                    |                                                    |          |         |         |
|--------|--------------------|----------------------------------------------------|----------|---------|---------|
|        |                    | 5108 GLFPASYVQVIR[162]                             |          |         |         |
|        |                    | 5109 GLFPASYVQVIR                                  |          |         |         |
| Q9CWK8 | Q9CWK8 SNX2_MOUSE  | Sorting nexin-2 - Mus musculus                     | -0.04372 | 0.93577 | 6.7437  |
|        |                    | 5110 AVNTQALSGAGILR[162]                           |          |         |         |
|        |                    | 5111 AVNTQALSGAGILR                                |          |         |         |
|        |                    | 5112 ELSANTAFAK[134]                               |          |         |         |
|        |                    | 5113 QFLESSELP[162]                                |          |         |         |
| Q9DBG7 | Q9DBG7 SRPR_MOUSE  | Signal recognition particle receptor subunit alpha | -1.06609 | 0.04941 | 8.4906  |
|        |                    | 5114 MLDFFTIFSK                                    |          |         |         |
|        |                    | 5115 NQGFDVVLVDTAGR[162]                           |          |         |         |
|        |                    | 5116 MLDFFTIFSK[134]                               |          |         |         |
|        |                    | 5117 DAAGIAMEAIAFAR[162]                           |          |         |         |
|        |                    | 5118 ILTLTYVDK[134]LIDDVHR[162]                    |          |         |         |
| Q61207 | Q61207 SAP_MOUSE   | Sulfated glycoprotein 1 precursor - Mus musculus   | 1.80714  | 0.00074 | 11.3106 |
|        |                    | 5119 VVAPFMSNIPLLLYPQDHPR                          |          |         |         |
|        |                    | 5120 TC[174]SGGSAVLC[174]R                         |          |         |         |
|        |                    | 5121 TAVDC[174]GAVK                                |          |         |         |
|        |                    | 5122 QLESNKIPEVDMAR                                |          |         |         |
|        |                    | 5123 VVAPFMSNIPLLLYPQDHPR[162]                     |          |         |         |
|        |                    | 5124 TC[174]SGGSAVLC[174]R[162]                    |          |         |         |
|        |                    | 5125 IGVC[174]PSAYK                                |          |         |         |
| Q60738 | Q60738 ZNT1_MOUSE  | Zinc transporter 1 - Mus musculus                  | 0.82873  | 0.12169 | 9.3439  |
|        |                    | 5126 AGVEAGAPPGR[162]                              |          |         |         |
|        |                    | 5127 ADQAEPEKLR                                    |          |         |         |
|        |                    | 5128 TIKDVFHNIHGIHATTIQPEFASVGSK                   |          |         |         |
| P20934 | P20934 EVI2A_MOUSE | EVI2A protein precursor - Mus musculus             | 0.34679  | 0.51720 | 9.417   |
|        |                    | 5129 ELTGSNLLQSPGVLTAAAR[162]                      |          |         |         |
|        |                    | 5130 ELTGSNLLQSPGVLTAAAR                           |          |         |         |
|        |                    | 5131 AKELTGSNLLQSPGVLTAAAR                         |          |         |         |
|        |                    | 5132 AK[134]ELTGSNLLQSPGVLTAAAR[162]               |          |         |         |
| Q9D0E1 | Q9D0E1 HNRPM_MOUSE | Heterogeneous nuclear ribonucleoprotein M -        | -0.48395 | 0.37238 | 13.0316 |
|        |                    | 5133 VGEVTVVELLMDAEGK[134]                         |          |         |         |
|        |                    | 5134 QGGGGAGGSVPGIER[162]                          |          |         |         |

|        |                    |                                                |          |         |         |
|--------|--------------------|------------------------------------------------|----------|---------|---------|
|        |                    | 5135 QGGGGAGGSVPGIER                           |          |         |         |
|        |                    | 5136 MGANSLER[162]                             |          |         |         |
|        |                    | 5137 MGANSLER                                  |          |         |         |
|        |                    | 5138 GNFGGSFAGSFGGAGGHAPGVAR[162]              |          |         |         |
|        |                    | 5139 INEILSNALK[134]                           |          |         |         |
|        |                    | 5140 MGANNLER[162]                             |          |         |         |
|        |                    | 5141 MGANNLER                                  |          |         |         |
|        |                    | 5142 MGPAMGPALGAGIER[162]                      |          |         |         |
|        |                    | 5143 INEILSNALK                                |          |         |         |
| Q8JZR0 | Q8JZR0 ACSL5_MOUSE | Long-chain-fatty-acid--CoA ligase 5 - Mus musc | -1.06609 | 0.04941 | 4.0996  |
|        |                    | 5144 LMITGAAPISTPVLTFRR[162]                   |          |         |         |
|        |                    | 5145 LMITGAAPISTPVLTFRR                        |          |         |         |
|        |                    | 5146 VYDK[134]VQNEAK[134]                      |          |         |         |
| Q64324 | Q64324 STXB2_MOUSE | Syntaxin-binding protein 2 - Mus musculus      | 0.17713  | 0.74079 | 35.2445 |
|        |                    | 5147 NLEQLGGTVTNSAGSGTSSR[162]                 |          |         |         |
|        |                    | 5148 MSDILAEGITIVEDINK[134]R[162]              |          |         |         |
|        |                    | 5149 MSDILAEGITIVEDINKR                        |          |         |         |
|        |                    | 5150 EPIPSLEAIYLLSPTEK                         |          |         |         |
|        |                    | 5151 FLDDLKTLTDQKLEGVALP                       |          |         |         |
|        |                    | 5152 NLEQLGGTVTNSAGSGTSSR                      |          |         |         |
|        |                    | 5153 SVQALIADFQGTPTFTYK                        |          |         |         |
|        |                    | 5154 SVQALIADFQGTPTFTYK[134]                   |          |         |         |
|        |                    | 5155 ATEGK[134]WEVLIGSSHILTPTR[162]            |          |         |         |
|        |                    | 5156 KGPEDTAQLAHAVLAK                          |          |         |         |
|        |                    | 5157 K[134]GPEDTAQLAHAVLAK[134]                |          |         |         |
|        |                    | 5158 YRKGPEDTAQLAHAVLAK                        |          |         |         |
|        |                    | 5159 ATEGKWEVLIGSSHILTPTR                      |          |         |         |
|        |                    | 5160 LNAFKADTPSLGEGPEK                         |          |         |         |
|        |                    | 5161 LNAFK[134]ADTPSLGEGPEK[134]               |          |         |         |
|        |                    | 5162 EPIPSLEAIYLLSPTEK[134]                    |          |         |         |
|        |                    | 5163 LIQHANVQSYSSLIR[162]                      |          |         |         |
|        |                    | 5164 AAHIFFTDTC[174]PEPLFSELGR[162]            |          |         |         |
|        |                    | 5165 R[162]EPIPSLEAIYLLSPTEK[134]              |          |         |         |

|        |                    |                                                 |          |         |         |
|--------|--------------------|-------------------------------------------------|----------|---------|---------|
|        |                    | 5166 ADTPSLGEGPEK[134]                          |          |         |         |
|        |                    | 5167 ADTPSLGEGPEK                               |          |         |         |
|        |                    | 5168 YR[162]K[134]GPEDTAQLAHAVLAK[134]          |          |         |         |
|        |                    | 5169 YETTGLSESR[162]                            |          |         |         |
|        |                    | 5170 REPIPSLEAIYLLSPTEK                         |          |         |         |
|        |                    | 5171 MEPTYQLSR[162]                             |          |         |         |
|        |                    | 5172 MEPTYQLSR                                  |          |         |         |
|        |                    | 5173 SQLLIMDR[162]                              |          |         |         |
| P97855 | P97855 G3BP1_MOUSE | Ras GTPase-activating protein-binding protein   | -0.51150 | 0.34578 | 27.957  |
|        |                    | 5174 INSGGKLPNFGFVFDSEPVQK                      |          |         |         |
|        |                    | 5175 FMQTFVLAPEGSVANK                           |          |         |         |
|        |                    | 5176 FMQTFVLAPEGSVANK[134]                      |          |         |         |
|        |                    | 5177 QYYTLLNQAPDMLHR                            |          |         |         |
|        |                    | 5178 QYYTLLNQAPDMLHR[162]                       |          |         |         |
|        |                    | 5179 INSGGK[134]LPNFGFVFDSEPVQK[134]            |          |         |         |
|        |                    | 5180 STSPAPADVAPAQEDLR[162]                     |          |         |         |
|        |                    | 5181 LPNFGFVFDSEPVQK[134]                       |          |         |         |
|        |                    | 5182 EAGEPGDVEPR[162]                           |          |         |         |
|        |                    | 5183 VPASQRPESKPDQIPQRPQR                       |          |         |         |
|        |                    | 5184 EAGEPGDVEPR                                |          |         |         |
|        |                    | 5185 NLPPSGAVPVTGTPPHVVK[134]                   |          |         |         |
|        |                    | 5186 GPR[162]PIR[162]EAGEPGDVEPR[162]           |          |         |         |
|        |                    | 5187 NLPPSGAVPVTGTPPHVVK                        |          |         |         |
| Q8BMA6 | Q8BMA6 SRP68_MOUSE | Signal recognition particle 68 kDa protein - Mu | -0.23320 | 0.66731 | 8.64    |
|        |                    | 5188 IFLLGLADNEAAIVQAESEETKER                   |          |         |         |
|        |                    | 5189 YANEVSSHGGASK[134]                         |          |         |         |
|        |                    | 5190 NSLKDLPDVQELITQVR                          |          |         |         |
|        |                    | 5191 NSLK[134]DLPDVQELITQVR[162]                |          |         |         |
| Q9D8E6 | Q9D8E6 RL4_MOUSE   | 60S ribosomal protein L4 - Mus musculus         | -0.58242 | 0.28303 | 60.8592 |
|        |                    | 5192 K[134]LEAAATALATK[134]                     |          |         |         |
|        |                    | 5193 SGQGAFGNMC[174]R[162]                      |          |         |         |
|        |                    | 5194 NIPGITLLNVSK[134]                          |          |         |         |
|        |                    | 5195 YAIC[174]SALAASALPALVMSK                   |          |         |         |

5196 KLEAAATALATK  
5197 NIPGITLLNVSK  
5198 YAIC[174]SALAASALPALVMSK[134]  
5199 ILK[134]SPEIQR[162]  
5200 ILKSPEIQR  
5201 NIPGITLLNVSKLNILK  
5202 NIPGITLLNVSK[134]LNILK[134]  
5203 APIRPDIVNFVHTNLR  
5204 APIR[162]PDIVNFVHTNLR[162]  
5205 KPAEKKPTTEKKPAA  
5206 NNRQPYAVSELAGHQTSAESWGTGR  
5207 VKKLEAAATALATK  
5208 NVTLPVFKAPIRPDIVNFVHTNLRK  
5209 QPYAVSELAGHQTSAESWGTGR[162]  
5210 APIRPDIVNFVHTNLRK  
5211 GPC[174]IIYNEDNGIHK[134]  
5212 APIR[162]PDIVNFVHTNLR[162]K[134]  
5213 GPC[174]IIYNEDNGIHK  
5214 LEAAATALATK[134]  
5215 MMNTDLSR[162]  
5216 LEAAATALATK  
5217 GHR[162]IEEVPELPLVVEDK[134]  
5218 SGQGAFGNMC[174]R  
5219 NVTLPVFKAPIRPDIVNFVHTNLR  
5220 SNYNLPMHK[134]  
5221 K[134]NPLK[134]NLR[162]  
5222 IEEVPELPLVVEDK[134]  
5223 GHRIEEVPELPLVVEDKVEGYK  
5224 GHRIEEVPELPLVVEDK  
5225 SNYNLPMHK  
5226 TKEAVQLLKK  
5227 IEEVPELPLVVEDKVEGYKK  
5228 TK[134]EAVQLLK[134]K[134]



|        |                    |                                               |          |         |         |
|--------|--------------------|-----------------------------------------------|----------|---------|---------|
|        |                    | 5229 VVPEKGTADKKPAVGK                         |          |         |         |
|        |                    | 5230 NVTLPVAFK[134]                           |          |         |         |
|        |                    | 5231 FC[174]IWTESAFR                          |          |         |         |
|        |                    | 5232 KNNRQPYAVSELAGHQTSAESWGTGR               |          |         |         |
|        |                    | 5233 NVTLPVAFK[134]APIR[162]PDIVNFVHTNLR[162] |          |         |         |
|        |                    | 5234 NNR[162]QPYAVSELAGHQTSAESWGTGR[162]      |          |         |         |
|        |                    | 5235 K[134]LDELYGTWR[162]                     |          |         |         |
|        |                    | 5236 FC[174]IWTESAFR[162]                     |          |         |         |
|        |                    | 5237 KLDELYGTWR                               |          |         |         |
|        |                    | 5238 K[134]LDELYGTWR[162]K[134]               |          |         |         |
|        |                    | 5239 KLDELYGTWRK                              |          |         |         |
|        |                    | 5240 LKAWNDIKK                                |          |         |         |
|        |                    | 5241 VK[134]K[134]LEAAATALATK[134]            |          |         |         |
|        |                    | 5242 QPYAVSELAGHQTSAESWGTGR                   |          |         |         |
| O35598 | O35598 ADA10_MOUSE | ADAM 10 precursor - Mus musculus              | -0.04440 | 0.93477 | 6.5421  |
|        |                    | 5243 AIDTIYQTTDFSGIR[162]                     |          |         |         |
|        |                    | 5244 AIDTIYQTTDFSGIR                          |          |         |         |
|        |                    | 5245 EAVIAQISSHVK[134]                        |          |         |         |
|        |                    | 5246 LVDADGPLAR[162]                          |          |         |         |
|        |                    | 5247 RRPPQPIQQPPR                             |          |         |         |
| P14733 | P14733 LMNB1_MOUSE | Lamin-B1 - Mus musculus                       | 0.37685  | 0.48155 | 26.8707 |
|        |                    | 5248 FK[134]AEHDQLLLNYAK[134]                 |          |         |         |
|        |                    | 5249 LYKEELEQTYHAK                            |          |         |         |
|        |                    | 5250 LYK[134]EELEQTYHAK[134]                  |          |         |         |
|        |                    | 5251 NMYEEEINETR[162]                         |          |         |         |
|        |                    | 5252 DAALATALGDK[134]K[134]                   |          |         |         |
|        |                    | 5253 K[134]ESDLSGAQIK[134]                    |          |         |         |
|        |                    | 5254 ALYETELADAR[162]                         |          |         |         |
|        |                    | 5255 LSSEMNTSTVNSAR                           |          |         |         |
|        |                    | 5256 NMYEEEINETR                              |          |         |         |
|        |                    | 5257 DAALATALGDKK                             |          |         |         |
|        |                    | 5258 KESDLSGAQIK                              |          |         |         |
|        |                    | 5259 LR[162]EYEAALNSK[134]                    |          |         |         |

|        |                    |                                    |         |         |         |
|--------|--------------------|------------------------------------|---------|---------|---------|
|        |                    | 5260 LAVYIDKVR                     |         |         |         |
|        |                    | 5261 ASAPATPLSPTR[162]             |         |         |         |
|        |                    | 5262 LVEVDSGRQIEYKY                |         |         |         |
|        |                    | 5263 FKAHDQLLNYAK                  |         |         |         |
|        |                    | 5264 FKAHDQLLNYAKK                 |         |         |         |
|        |                    | 5265 C[174]QSLTEDLEFRK             |         |         |         |
|        |                    | 5266 ASAPATPLSPTR                  |         |         |         |
|        |                    | 5267 LQEKEELRELNDR                 |         |         |         |
|        |                    | 5268 LREYEAALNSK                   |         |         |         |
| P14824 | P14824 ANXA6_MOUSE | Annexin A6 - Mus musculus          | 0.53662 | 0.31625 | 49.7771 |
|        |                    | 5269 DAFVAIVQSVK[134]              |         |         |         |
|        |                    | 5270 GTVC[174]AANDFNPDADAK         |         |         |         |
|        |                    | 5271 GTVC[174]AANDFNPDADAK[134]    |         |         |         |
|        |                    | 5272 GSVHDFPEFDANQDAEALYTAMK       |         |         |         |
|        |                    | 5273 GSVHDFPEFDANQDAEALYTAMK[134]  |         |         |         |
|        |                    | 5274 VELKGTVC[174]AANDFNPDADAK     |         |         |         |
|        |                    | 5275 LILGLMMPPAHYDAK[134]          |         |         |         |
|        |                    | 5276 SLHQAIEGDTSGDFMK              |         |         |         |
|        |                    | 5277 GIGTDEATIIDIVTHR[162]         |         |         |         |
|        |                    | 5278 NKPLFFADKLYK                  |         |         |         |
|        |                    | 5279 AMEGAGTDEK[134]TLIEILATR[162] |         |         |         |
|        |                    | 5280 DLESIIIGDTSGHFQK              |         |         |         |
|        |                    | 5281 LIVNLMRPLAYC[174]DAK          |         |         |         |
|        |                    | 5282 NK[134]PLFFADK[134]LYK[134]   |         |         |         |
|        |                    | 5283 LILGLMMPPAHYDAK               |         |         |         |
|        |                    | 5284 DAFVAIVQSVK                   |         |         |         |
|        |                    | 5285 GIGTDEATIIDIVTHR              |         |         |         |
|        |                    | 5286 TTGK[134]PIEASIR[162]         |         |         |         |
|        |                    | 5287 MLVVLLQGTR[162]               |         |         |         |
|        |                    | 5288 STPEYFAER[162]                |         |         |         |
|        |                    | 5289 EMSGDVK[134]DAFVAIVQSVK[134]  |         |         |         |
|        |                    | 5290 IAQGAMYR                      |         |         |         |
|        |                    | 5291 EMSGDVKDAFVAIVQSVK            |         |         |         |

5292 LIVNLMR[162]PLAYC[174]DAK[134]  
 5293 C[174]LIEILASR[162]  
 5294 AMEGAGTDEKTLIEILATR  
 5295 STPEYFAER  
 5296 AINEAYKEDYHK  
 5297 C[174]LIEILASR  
 5298 SEIDLLNIR[162]R[162]  
 5299 GFGSDKESILELITSR  
 5300 AINEAYK[134]EDYHK[134]  
 5301 GFGSDK[134]ESILELITSR[162]  
 5302 TTGKPIEASIR  
 5303 IAQGAMYR[162]  
 5304 WGTDEAQFIYILGNR[162]  
 5305 VELK[134]GTV[174]AANDFNPADAK[134]  
 5306 KAMEGAGTDEKTLIEILATR  
 5307 DLMADLKSEISGDLAR  
 5308 DLMADLK[134]SEISGDLAR[162]  
 5309 SLHQAIEGDTSGDFMK[134]  
 5310 SLEDALSSDTSGHFR  
 5311 SLEDALSSDTSGHFRR  
 5312 LVFDEYK[134]  
 5313 LVFDEYK  
 5314 SELDMLDIR[162]EIFR[162]  
 5315 TNYDIEHVIKK  
 5316 SEIDLLNIR

|        |                   |                                             |         |         |         |
|--------|-------------------|---------------------------------------------|---------|---------|---------|
| P17439 | P17439 GLCM_MOUSE | Glucosylceramidase precursor - Mus musculus | 0.18751 | 0.72619 | 17.0874 |
|        |                   | 5317 NFVDSPIIVDIPK[134]                     |         |         |         |
|        |                   | 5318 NFVDSPIIVDIPK                          |         |         |         |
|        |                   | 5319 LLMLDDQR                               |         |         |         |
|        |                   | 5320 LLMLDDQR[162]                          |         |         |         |
|        |                   | 5321 TGTGLLLTQPEKK                          |         |         |         |
|        |                   | 5322 TGTGLLLTQPEK[134]K[134]                |         |         |         |
|        |                   | 5323 LFPNTMLFASEAC[174]VGSK[134]            |         |         |         |

|        |                    |                                                |          |         |         |
|--------|--------------------|------------------------------------------------|----------|---------|---------|
|        |                    | 5324 TGTGLLTLQPEK[134]                         |          |         |         |
|        |                    | 5325 WAEVVLSDPEAAK[134]                        |          |         |         |
|        |                    | 5326 GFGGAMTDATALNILALSPPTQK                   |          |         |         |
| Q3TGW2 | Q3TGW2 EEPD1_MOUSE | Endonuclease/exonuclease/phosphatase famil     | -0.10146 | 0.85165 | 14.587  |
|        |                    | 5327 VNINTATLAQLMSVR                           |          |         |         |
|        |                    | 5328 DLLAEQQPHHLTTTVPLTPR[162]                 |          |         |         |
|        |                    | 5329 DLLAEQQPHHLTTTVPLTPR                      |          |         |         |
|        |                    | 5330 LNINTATEEELMTLPGVTR[162]                  |          |         |         |
|        |                    | 5331 LNINTATEEELMTLPGVTR                       |          |         |         |
|        |                    | 5332 VNINTATLAQLMSVR[162]                      |          |         |         |
|        |                    | 5333 FSAAC[174]NFSNILVNQER[162]                |          |         |         |
|        |                    | 5334 FSAAC[174]NFSNILVNQER                     |          |         |         |
|        |                    | 5335 SIVAEK[134]PSNQLQK[134]                   |          |         |         |
| Q8K1T1 | Q8K1T1 LRC25_MOUSE | Leucine-rich repeat-containing protein 25 prec | 0.34249  | 0.52241 | 27.2727 |
|        |                    | 5336 SVDQDSQPVYC[174]NLESLGR                   |          |         |         |
|        |                    | 5337 SVDQDSQPVYC[174]NLESLGR[162]              |          |         |         |
|        |                    | 5338 SPLQASHAQVLDLSK[134]                      |          |         |         |
|        |                    | 5339 SPLQASHAQVLDLSK                           |          |         |         |
|        |                    | 5340 NSPSGDSDC[174]YMNRY[162]                  |          |         |         |
|        |                    | 5341 NSPSGDSDC[174]YMNRY                       |          |         |         |
|        |                    | 5342 AQMSPHDIPK[134]PVTDFLPR[162]              |          |         |         |
|        |                    | 5343 LQTLIVTHNQLDSDVR[162]                     |          |         |         |
|        |                    | 5344 AQMSPHDIPKPVTDLPR                         |          |         |         |
| Q9D0I9 | Q9D0I9 SYRC_MOUSE  | Arginyl-tRNA synthetase, cytoplasmic - Mus m   | -0.04372 | 0.93577 | 13.9394 |
|        |                    | 5345 IVFVPGC[174]SVPLTIVK[134]                 |          |         |         |
|        |                    | 5346 AAYPDLENPPLIVTPSQQPK[134]                 |          |         |         |
|        |                    | 5347 AAYPDLENPPLIVTPSQQPK                      |          |         |         |
|        |                    | 5348 AAQTSVAYGC[174]IK[134]                    |          |         |         |
|        |                    | 5349 SDGGYTYDSDLAAIK[134]                      |          |         |         |
|        |                    | 5350 FGDYQC[174]NSAMGISQMLK[134]               |          |         |         |
|        |                    | 5351 VIVDFSSPNIK[134]                          |          |         |         |
|        |                    | 5352 IVFVPGC[174]SVPLTIVK                      |          |         |         |
| Q9JJX6 | Q9JJX6 P2RX4_MOUSE | P2X purinoceptor 4 - Mus musculus              | 0.23769  | 0.65710 | 8.5052  |

|        |                    |                                               |          |         |         |
|--------|--------------------|-----------------------------------------------|----------|---------|---------|
|        |                    | 5353 DLEHNVSPGYNFR                            |          |         |         |
|        |                    | 5354 DLEHNVSPGYNFR[162]                       |          |         |         |
|        |                    | 5355 TDPFC[174]PIFR[162]                      |          |         |         |
|        |                    | 5356 YYRDLAGNEQR                              |          |         |         |
| Q9QXX4 | Q9QXX4 CMC2_MOUSE  | Calcium-binding mitochondrial carrier protein | -0.31120 | 0.56623 | 4.5858  |
|        |                    | 5357 YLNIFGESQPNPK[134]                       |          |         |         |
|        |                    | 5358 IAPLEEGMLPFNLAEAGR[162]                  |          |         |         |
|        |                    | 5359 YLNIFGESQPNPK                            |          |         |         |
| Q6PD26 | Q6PD26 PIGS_MOUSE  | GPI transamidase component PIG-S - Mus mus    | -0.08881 | 0.86997 | 5.045   |
|        |                    | 5360 APLPYSDISGLNALLLR[162]                   |          |         |         |
|        |                    | 5361 LMVPVTVVFTR[162]                         |          |         |         |
|        |                    | 5362 LMVPVTVVFTR                              |          |         |         |
| P08101 | P08101 FCGR2_MOUSE | Low affinity immunoglobulin gamma Fc region   | 0.12539  | 0.81484 | 23.6364 |
|        |                    | 5363 SQVQASYTFK[134]                          |          |         |         |
|        |                    | 5364 SQVQASYTFK                               |          |         |         |
|        |                    | 5365 HPEALDEETEHDYQNH                         |          |         |         |
|        |                    | 5366 TLHQSKPVTITVQGPK                         |          |         |         |
|        |                    | 5367 TLHQSK[134]PVTITVQGPK[134]               |          |         |         |
|        |                    | 5368 EMGETLPEEVGEYR                           |          |         |         |
|        |                    | 5369 ISFFHNEK[134]                            |          |         |         |
|        |                    | 5370 TEAENTITYSLLK[134]                       |          |         |         |
|        |                    | 5371 TEAENTITYSLLK                            |          |         |         |
| P58681 | P58681 TLR7_MOUSE  | Toll-like receptor 7 precursor - Mus musculus | -4.40513 | 0.00000 | 10.9524 |
|        |                    | 5372 YFLEDALQLR[162]                          |          |         |         |
|        |                    | 5373 TMESDSLRL[162]                           |          |         |         |
|        |                    | 5374 NLFNLEVLDISR[162]                        |          |         |         |
|        |                    | 5375 NLQELDLSQNYLAR[162]                      |          |         |         |
|        |                    | 5376 LEVLDLGTNFIK[134]                        |          |         |         |
|        |                    | 5377 IQENDFNNLNELQVLDLSGNC[174]PR[162]        |          |         |         |
|        |                    | 5378 C[174]NC[174]VPVLLGSK[134]               |          |         |         |
|        |                    | 5379 NLQELDLSQNYLAR                           |          |         |         |
|        |                    | 5380 R[162]LNHLEEIDLR[162]                    |          |         |         |
|        |                    | 5381 IADLNIFK[134]HFENLK[134]                 |          |         |         |

|        |                    |                                     |                                                 |          |         |         |
|--------|--------------------|-------------------------------------|-------------------------------------------------|----------|---------|---------|
| Q3U2C5 | Q3U2C5 RN149_MOUSE | 5382 LNHLEEIDLR[162]                | E3 ubiquitin-protein ligase RNF149 precursor -  | 0.59539  | 0.26616 | 18.0203 |
|        |                    | 5383 APAPAEGC[174]APDTR[162]        |                                                 |          |         |         |
|        |                    | 5384 FVAPGALGNAPWVALVAR[162]        |                                                 |          |         |         |
|        |                    | 5385 APAPAEGC[174]APDTR             |                                                 |          |         |         |
|        |                    | 5386 FVAPGALGNAPWVALVAR             |                                                 |          |         |         |
|        |                    | 5387 FGESSLREER                     |                                                 |          |         |         |
|        |                    | 5388 K[134]VIGQLPLHTVK[134]         |                                                 |          |         |         |
|        |                    | 5389 SEPQHGGGIC[174]                |                                                 |          |         |         |
|        |                    | 5390 VIGQLPLHTVK                    |                                                 |          |         |         |
|        |                    | 5391 EIFDLVQK                       |                                                 |          |         |         |
| Q8BMF4 | Q8BMF4 ODP2_MOUSE  | 5392 FGESSLR[162]EER[162]           | Dihydrolypoyllysine-residue acetyltransferase c | -0.57424 | 0.28985 | 5.1402  |
|        |                    | 5393 GLETIASDVVSLASK[134]           |                                                 |          |         |         |
|        |                    | 5394 GLETIASDVVSLASK                |                                                 |          |         |         |
|        |                    | 5395 VAPAPAGVFTDIPISNIR[162]        |                                                 |          |         |         |
| O08599 | O08599 STXB1_MOUSE | 5396 ISEQTYQLSR[162]                | Syntaxin-binding protein 1 - Mus musculus       | -0.11189 | 0.83660 | 11.6162 |
|        |                    | 5397 AAHVFFTDSC[174]PDALFNELVK[134] |                                                 |          |         |         |
|        |                    | 5398 SSASFSTTAVSAR[162]             |                                                 |          |         |         |
|        |                    | 5399 ISEQTYQLSR                     |                                                 |          |         |         |
|        |                    | 5400 AAHVFFTDSC[174]PDALFNELVK      |                                                 |          |         |         |
|        |                    | 5401 SQLLILDR                       |                                                 |          |         |         |
|        |                    | 5402 REPLPSLEAVYLITPSEK             |                                                 |          |         |         |
| P23780 | P23780 BGAL_MOUSE  | 5403 TLATSLYNLLAR[162]              | Beta-galactosidase precursor - Mus musculus     | 0.53012  | 0.32215 | 11.592  |
|        |                    | 5404 AGATLDILVENMGR                 |                                                 |          |         |         |
|        |                    | 5405 TLATSLYNLLAR                   |                                                 |          |         |         |
|        |                    | 5406 SLYPLTFTQVK                    |                                                 |          |         |         |
|        |                    | 5407 AGATLDILVENMGR[162]            |                                                 |          |         |         |
|        |                    | 5408 TVAEALGILC[174]PNGPVK[134]     |                                                 |          |         |         |
|        |                    | 5409 TVAEALGILC[174]PNGPVK          |                                                 |          |         |         |
|        |                    | 5410 EVPEGPIPPSTPK[134]             |                                                 |          |         |         |

|        |                    |                                                 |          |         |         |
|--------|--------------------|-------------------------------------------------|----------|---------|---------|
|        |                    | 5411 EVPEGPIPPSTPK                              |          |         |         |
|        |                    | 5412 QYFGYVLYR                                  |          |         |         |
|        |                    | 5413 SLYPLTFTQVK[134]                           |          |         |         |
| P70182 | P70182 PI51A_MOUSE | Phosphatidylinositol-4-phosphate 5-kinase typ   | 0.36018  | 0.50116 | 9.8901  |
|        |                    | 5414 LDVAESEFTH                                 |          |         |         |
|        |                    | 5415 SVDSSGETTYK                                |          |         |         |
|        |                    | 5416 SGPSGNSC[174]TSQLMASGEHR[162]              |          |         |         |
|        |                    | 5417 EPTSNDTQYSADTR                             |          |         |         |
|        |                    | 5418 EPTSNDTQYSADTR[162]                        |          |         |         |
| P97379 | P97379 G3BP2_MOUSE | Ras GTPase-activating protein-binding protein   | -0.74416 | 0.17017 | 7.2614  |
|        |                    | 5419 LPNFGFVVFDDSEPVQR[162]                     |          |         |         |
|        |                    | 5420 VDAKPEVQSQPPR                              |          |         |         |
|        |                    | 5421 GVGKGK[134]LPNFGFVVFDDSEPVQR[162]          |          |         |         |
|        |                    | 5422 VDAK[134]PEVQSQPPR[162]                    |          |         |         |
| P97390 | P97390 VPS45_MOUSE | Vacuolar protein sorting-associated protein 45  | 0.76033  | 0.15561 | 38.5965 |
|        |                    | 5423 SFLEEVLASGLHSR                             |          |         |         |
|        |                    | 5424 KLVSATVEYGGKR                              |          |         |         |
|        |                    | 5425 NLLEVSEVEQELAC[174]QNDHSSALQNVK            |          |         |         |
|        |                    | 5426 NLLEVSEVEQELAC[174]QNDHSSALQNVK[134]R[162] |          |         |         |
|        |                    | 5427 NLLEVSEVEQELAC[174]QNDHSSALQNVK[134]       |          |         |         |
|        |                    | 5428 SFLEEVLASGLHSR[162]                        |          |         |         |
|        |                    | 5429 HSSNSLPGLIVDLR[162]                        |          |         |         |
|        |                    | 5430 HSSNSLPGLIVDLR                             |          |         |         |
|        |                    | 5431 TEVPPLLLILDR[162]                          |          |         |         |
|        |                    | 5432 AFVENYPQFK                                 |          |         |         |
|        |                    | 5433 TTQGLTALLSLK[134]                          |          |         |         |
|        |                    | 5434 LK[134]ENLYPYLGPSTLR[162]                  |          |         |         |
|        |                    | 5435 IVLGGTTIHNTK                               |          |         |         |
|        |                    | 5436 R[162]TEVPPLLLILDR[162]                    |          |         |         |
|        |                    | 5437 TEVPPLLLILDR                               |          |         |         |
|        |                    | 5438 TTQGLTALLSLK                               |          |         |         |
|        |                    | 5439 LKENLYPYLGPSTLR                            |          |         |         |
|        |                    | 5440 RTEVPPLLLILDR                              |          |         |         |

|        |                    |      |                                           |          |         |         |
|--------|--------------------|------|-------------------------------------------|----------|---------|---------|
|        |                    | 5441 | NLMEDFQK[134]                             |          |         |         |
|        |                    | 5442 | HVTVVGELSR                                |          |         |         |
|        |                    | 5443 | HVTVVGELSR[162]                           |          |         |         |
|        |                    | 5444 | TTQGLTALLSLK[134]K[134]                   |          |         |         |
|        |                    | 5445 | LVSASSEYGGKR                              |          |         |         |
|        |                    | 5446 | YQLSSEAAKR                                |          |         |         |
|        |                    | 5447 | NLMEDFQK                                  |          |         |         |
|        |                    | 5448 | VTEFDAVR                                  |          |         |         |
|        |                    | 5449 | GSDLFSPK[134]                             |          |         |         |
|        |                    | 5450 | YQLSSEAAK[134]R[162]                      |          |         |         |
|        |                    | 5451 | NLLEVSEVEQELAC[174]QNDHSSALQNVKR          |          |         |         |
|        |                    | 5452 | EQQKLESIADMK                              |          |         |         |
|        |                    | 5453 | GSDLFSPK                                  |          |         |         |
|        |                    | 5454 | AFVENYPQFKK                               |          |         |         |
|        |                    | 5455 | VLLMDKETTGVSMVYTQSEILQK                   |          |         |         |
|        |                    | 5456 | EVYLFER                                   |          |         |         |
| Q60770 | Q60770 STXB3_MOUSE |      | Syntaxin-binding protein 3 - Mus musculus | -0.40965 | 0.45021 | 19.4257 |
|        |                    | 5457 | TEQDLALGTDAEGQR[162]                      |          |         |         |
|        |                    | 5458 | ALYFISPTPK[134]                           |          |         |         |
|        |                    | 5459 | ALYFISPTPK                                |          |         |         |
|        |                    | 5460 | IMLLDEFTTK[134]                           |          |         |         |
|        |                    | 5461 | C[174]AYEVSQAHK[134]                      |          |         |         |
|        |                    | 5462 | C[174]AYEVSQAHK                           |          |         |         |
|        |                    | 5463 | SC[174]EVIIGSTHILTPR                      |          |         |         |
|        |                    | 5464 | TQSQLLIIDR[162]                           |          |         |         |
|        |                    | 5465 | TNYLELDR[162]K[134]                       |          |         |         |
|        |                    | 5466 | IMLLDEFTTK                                |          |         |         |
|        |                    | 5467 | SAEETFQLSR[162]                           |          |         |         |
|        |                    | 5468 | VK[134]DSMLVLLPVLLNK[134]                 |          |         |         |
|        |                    | 5469 | SAEETFQLSR                                |          |         |         |
|        |                    | 5470 | SC[174]EVIIGSTHILTPR[162]                 |          |         |         |
|        |                    | 5471 | TSLSALTQLMK[134]                          |          |         |         |
|        |                    | 5472 | VKDSMLVLLPVLLNK                           |          |         |         |



|        |                    |                                            |          |         |         |
|--------|--------------------|--------------------------------------------|----------|---------|---------|
| Q61233 | Q61233 PLSL_MOUSE  | 5473 TQSQLLIIDR                            | -0.29845 | 0.58224 | 28.7081 |
|        |                    | Plastin-2 - Mus musculus                   |          |         |         |
|        |                    | 5474 ALENDPDC[174]R[162]                   |          |         |         |
|        |                    | 5475 VYALPEDLVEVNPK[134]                   |          |         |         |
|        |                    | 5476 VYALPEDLVEVNPK                        |          |         |         |
|        |                    | 5477 QFVTATDVVR[162]                       |          |         |         |
|        |                    | 5478 ALENDPDC[174]R                        |          |         |         |
|        |                    | 5479 MINLSVPTIDER                          |          |         |         |
|        |                    | 5480 ITNFSTDIK[134]DSK[134]                |          |         |         |
|        |                    | 5481 QFVTATDVVR                            |          |         |         |
|        |                    | 5482 VNDDIIVNWVNTTLK[134]                  |          |         |         |
|        |                    | 5483 YTLNILEDIGGGQK[134]                   |          |         |         |
|        |                    | 5484 ISTSLPVLDLIDAIQPGSINYDLLK             |          |         |         |
|        |                    | 5485 HVIPMNPNTDDLFNAVGDGIVLC[174]K[134]    |          |         |         |
|        |                    | 5486 ISTSLPVLDLIDAIQPGSINYDLLK[134]        |          |         |         |
|        |                    | 5487 GDEEGIPAVVIDMSGRL[162]                |          |         |         |
|        |                    | 5488 HVIPMNPNTDDLFNAVGDGIVLC[174]K         |          |         |         |
|        |                    | 5489 MINLSVPTIDER[162]                     |          |         |         |
|        |                    | 5490 AEC[174]MLQQAER[162]                  |          |         |         |
|        |                    | 5491 VNK[134]PPYPK[134]                    |          |         |         |
|        |                    | 5492 LSPEELLLR[162]                        |          |         |         |
| Q61656 | Q61656 DDX5_MOUSE  | Probable ATP-dependent RNA helicase DDX5 - | -0.04372 | 0.93577 | 6.6775  |
|        |                    | 5493 TGTAYTFFTPNNIK[134]                   |          |         |         |
|        |                    | 5494 LLQLVEDR[162]                         |          |         |         |
|        |                    | 5495 LIDFLEC[174]GK[134]                   |          |         |         |
|        |                    | 5496 QVSDLISVLR[162]                       |          |         |         |
|        |                    | 5497 LIDFLEC[174]GK                        |          |         |         |
|        |                    | 5498 LLQLVEDR                              |          |         |         |
| Q6PA06 | Q6PA06 ATLA2_MOUSE | Atlastin-2 - Mus musculus                  | -0.13535 | 0.80299 | 11.4923 |
|        |                    | 5499 SMLQATAEANNLAAVAGAR[162]              |          |         |         |
|        |                    | 5500 AGLTDQVSHHAR                          |          |         |         |
|        |                    | 5501 AGLTDQVSHHAR[162]                     |          |         |         |
|        |                    | 5502 NLVPLLLAPENLVEK[134]                  |          |         |         |

|        |                    |                                               |          |         |         |
|--------|--------------------|-----------------------------------------------|----------|---------|---------|
|        |                    | 5503 QNQHEELQNVR[162]                         |          |         |         |
|        |                    | 5504 NLVPLLLAPENLVEK                          |          |         |         |
|        |                    | 5505 VATNPSFDGR[162]                          |          |         |         |
|        |                    | 5506 VATNPSFDGR                               |          |         |         |
| Q7TMK9 | Q7TMK9 HNRPQ_MOUSE | Heterogeneous nuclear ribonucleoprotein Q -   | 0.12374  | 0.81725 | 6.0995  |
|        |                    | 5507 NLANTVTEEILEK                            |          |         |         |
|        |                    | 5508 DLFEDELVPLFEK                            |          |         |         |
|        |                    | 5509 DLFEDELVPLFEK[134]                       |          |         |         |
|        |                    | 5510 TGYTLDVTTGQR[162]                        |          |         |         |
|        |                    | 5511 TGYTLDVTTGQR                             |          |         |         |
| Q9DBG6 | Q9DBG6 RPN2_MOUSE  | Dolichyl-diphosphooligosaccharide--protein gl | -0.45138 | 0.40541 | 28.5261 |
|        |                    | 5512 YHVPVVVVPEGSTDTQEQAILR                   |          |         |         |
|        |                    | 5513 YHVPVVVVPEGSTDTQEQAILR[162]              |          |         |         |
|        |                    | 5514 LQVSNVLSQPLAQAQAAVK                      |          |         |         |
|        |                    | 5515 LQVSNVLSQPLAQAQAAVK[134]                 |          |         |         |
|        |                    | 5516 NFESLSEAFSVASAAAALSQNR[162]              |          |         |         |
|        |                    | 5517 TPFSLVGNVFELNFK                          |          |         |         |
|        |                    | 5518 TPFSLVGNVFELNFK[134]                     |          |         |         |
|        |                    | 5519 LQVSNVLSQPLAQAQAAVK[134]LEHAK[134]       |          |         |         |
|        |                    | 5520 LGKEETVLATVQALQTASHLSQQADLR              |          |         |         |
|        |                    | 5521 KNFESLSEAFSVASAAAALSQNR                  |          |         |         |
|        |                    | 5522 NIVEEIEDLVAR[162]                        |          |         |         |
|        |                    | 5523 TGQEVVFVAEPDNK[134]                      |          |         |         |
|        |                    | 5524 NIVEEIEDLVAR                             |          |         |         |
|        |                    | 5525 ISTEVGITNVDLSTVDKDQSIAPK                 |          |         |         |
|        |                    | 5526 TGQEVVFVAEPDNK                           |          |         |         |
|        |                    | 5527 LSSGYYDFSVR                              |          |         |         |
|        |                    | 5528 LSSGYYDFSVR[162]                         |          |         |         |
|        |                    | 5529 YIANTVELR[162]                           |          |         |         |
|        |                    | 5530 LQVSNVLSQPLAQAQAAVKLEHAK                 |          |         |         |
|        |                    | 5531 YIANTVELR                                |          |         |         |
| Q9EQP2 | Q9EQP2 EHD4_MOUSE  | EH domain-containing protein 4 - Mus musculi  | 0.05192  | 0.92276 | 29.9445 |
|        |                    | 5532 SGGMDAVQTVTGGGLR[162]                    |          |         |         |

|        |                    |                               |                                 |         |         |         |
|--------|--------------------|-------------------------------|---------------------------------|---------|---------|---------|
|        |                    | 5533                          | LFEAEAQDLFR[162]                |         |         |         |
|        |                    | 5534                          | EYQISAGDFPEVK[134]              |         |         |         |
|        |                    | 5535                          | SISIIDSPGILSGEK[134]            |         |         |         |
|        |                    | 5536                          | LFEAEAQDLFR                     |         |         |         |
|        |                    | 5537                          | AMQEQLENYDFTK                   |         |         |         |
|        |                    | 5538                          | AMQEQLENYDFTK[134]              |         |         |         |
|        |                    | 5539                          | DK[134]PVYDELFYTLSPINGK[134]    |         |         |         |
|        |                    | 5540                          | LFEAEAQDLFRDIQSLPQK             |         |         |         |
|        |                    | 5541                          | VYIGSFWAQPLQNTDNR[162]R[162]    |         |         |         |
|        |                    | 5542                          | LIEAVDNMLTNK                    |         |         |         |
|        |                    | 5543                          | LIEAVDNMLTNK[134]               |         |         |         |
|        |                    | 5544                          | EYQISAGDFPEVK                   |         |         |         |
|        |                    | 5545                          | LPEIYVQLQR[162]                 |         |         |         |
|        |                    | 5546                          | FGNAFLNR[162]                   |         |         |         |
|        |                    | 5547                          | SGGMDAVQTVTGGLR                 |         |         |         |
|        |                    | 5548                          | SISIIDSPGILSGEK                 |         |         |         |
|        |                    | 5549                          | ADQVDTQQLMR                     |         |         |         |
|        |                    | 5550                          | FGNAFLNR                        |         |         |         |
|        |                    | 5551                          | K[134]VLPLEEAYR[162]            |         |         |         |
|        |                    | 5552                          | ADQVDTQQLMR[162]                |         |         |         |
|        |                    | 5553                          | KVLPLEEAYR                      |         |         |         |
|        |                    | 5554                          | VYIGSFWAQPLQNTDNRR              |         |         |         |
|        |                    | 5555                          | VLPLEEAYR[162]                  |         |         |         |
|        |                    | 5556                          | DIQSLPQK[134]                   |         |         |         |
|        |                    | 5557                          | DIQSLPQK                        |         |         |         |
| Q64337 | Q64337 SQSTM_MOUSE | Sequestosome-1 - Mus musculus |                                 | 0.31603 | 0.55504 | 19.9095 |
|        |                    | 5558                          | NYDIGAALDTIQYSK[134]            |         |         |         |
|        |                    | 5559                          | NYDIGAALDTIQYSK                 |         |         |         |
|        |                    | 5560                          | EHRPPC[174]AQEAPR               |         |         |         |
|        |                    | 5561                          | AGDGRPC[174]PTAESASAPPEDPNVNFLK |         |         |         |
|        |                    | 5562                          | EHR[162]PPC[174]AQEAPR[162]     |         |         |         |
|        |                    | 5563                          | LIFPNPFGHLSDSFHSR               |         |         |         |
|        |                    | 5564                          | LIFPNPFGHLSDSFHSR[162]          |         |         |         |

|        |                    |                                                |         |         |         |
|--------|--------------------|------------------------------------------------|---------|---------|---------|
|        |                    | 5565 R[162]EHR[162]PPC[174]AQEAPR[162]         |         |         |         |
|        |                    | 5566 REHRPPC[174]AQEAPR                        |         |         |         |
|        |                    | 5567 AYLLGK[134]EEATR[162]                     |         |         |         |
|        |                    | 5568 AGDGR[162]PC[174]PTAESASAPPEDPNVNFLK[134] |         |         |         |
|        |                    | 5569 NYDIGAALDTIQYSK[134]HPPPL                 |         |         |         |
|        |                    | 5570 AYLLGKEEATR                               |         |         |         |
| Q02819 | Q02819 NUCB1_MOUSE | Nucleobindin-1 precursor - Mus musculus        | 0.08728 | 0.87051 | 42.4837 |
|        |                    | 5571 DLELLIQTATR[162]                          |         |         |         |
|        |                    | 5572 LSQELDFVSHNVR[162]                        |         |         |         |
|        |                    | 5573 KVPEQPPELPQLDSQHL                         |         |         |         |
|        |                    | 5574 K[134]VPEQPPELPQLDSQHL                    |         |         |         |
|        |                    | 5575 LSQELDFVSHNVR                             |         |         |         |
|        |                    | 5576 ELQQAVLQMEQR                              |         |         |         |
|        |                    | 5577 ELQQAVLQMEQR[162]                         |         |         |         |
|        |                    | 5578 DLELLIQTATR                               |         |         |         |
|        |                    | 5579 LSQETEALGR[162]                           |         |         |         |
|        |                    | 5580 LSQETEALGR                                |         |         |         |
|        |                    | 5581 LQAANAEDIKSGK                             |         |         |         |
|        |                    | 5582 LVTLEEF LASTQR                            |         |         |         |
|        |                    | 5583 QFEHLD PQNQHTFEAR[162]                    |         |         |         |
|        |                    | 5584 ADTDDAPVPAPAGDQKDVPASEK                   |         |         |         |
|        |                    | 5585 YLESLGEEQR[162]                           |         |         |         |
|        |                    | 5586 LVTLEEF LASTQR[162]                       |         |         |         |
|        |                    | 5587 ADTDDAPVPAPAGDQK[134]                     |         |         |         |
|        |                    | 5588 LQAANAEDIK[134]SGK[134]                   |         |         |         |
|        |                    | 5589 YLQEVINVLETDGHFR[162]EK[134]              |         |         |         |
|        |                    | 5590 YLQEVINVLETDGHFR[162]                     |         |         |         |
|        |                    | 5591 YLQEVINVLETDGHFR                          |         |         |         |
|        |                    | 5592 DLAQYDAAHHEEFK[134]R[162]                 |         |         |         |
|        |                    | 5593 NVDTNQDR[162]LVTLEEF LASTQR[162]          |         |         |         |
|        |                    | 5594 YLESLGEEQR[162]K[134]EAER[162]            |         |         |         |
|        |                    | 5595 YLQEVINVLETDGHF REK                       |         |         |         |
|        |                    | 5596 LQAANAEDIK                                |         |         |         |

|        |                   |                                            |         |         |         |
|--------|-------------------|--------------------------------------------|---------|---------|---------|
|        |                   | 5597 LQAANAEDIK[134]                       |         |         |         |
|        |                   | 5598 YLESLGEEQRKEAER                       |         |         |         |
|        |                   | 5599 VNVPGSQAQLK[134]                      |         |         |         |
|        |                   | 5600 ADTDDAPVPAPAGDQK[134]DVPASEK[134]     |         |         |         |
| P52480 | P52480 KPYM_MOUSE | Pyruvate kinase isozymes M1/M2 - Mus musci | 0.42293 | 0.42961 | 65.3484 |
|        |                   | 5601 IYVDDGLISLQVK[134]                    |         |         |         |
|        |                   | 5602 GADFLVTEVENGGSLGSK[134]               |         |         |         |
|        |                   | 5603 LAPITSDPTEAAAVGAVEASFK                |         |         |         |
|        |                   | 5604 LAPITSDPTEAAAVGAVEASFK[134]           |         |         |         |
|        |                   | 5605 NTGIIC[174]TIGPASR[162]               |         |         |         |
|        |                   | 5606 KGVNLPGAAVDLPAVSEKDIQDLK              |         |         |         |
|        |                   | 5607 RFDEILEASDGIMVAR                      |         |         |         |
|        |                   | 5608 EATESFASDPILYRPVAVALDTKGPEIR          |         |         |         |
|        |                   | 5609 LNFSHGTHEYHAETIK                      |         |         |         |
|        |                   | 5610 LNFSHGTHEYHAETIK[134]                 |         |         |         |
|        |                   | 5611 NTGIIC[174]TIGPASR                    |         |         |         |
|        |                   | 5612 GADFLVTEVENGGSLGSK                    |         |         |         |
|        |                   | 5613 R[162]FDEILEASDGIMVAR[162]            |         |         |         |
|        |                   | 5614 IYVDDGLISLQVK                         |         |         |         |
|        |                   | 5615 EATESFASDPILYRPVAVALDTK               |         |         |         |
|        |                   | 5616 LDIDSAPITAR[162]                      |         |         |         |
|        |                   | 5617 AGK[134]PVIC[174]ATQMLESNIK[134]      |         |         |         |
|        |                   | 5618 C[174]C[174]SGAIIVLTK                 |         |         |         |
|        |                   | 5619 GSGTAEVELK[134]K[134]                 |         |         |         |
|        |                   | 5620 GDLGIEIPA EK                          |         |         |         |
|        |                   | 5621 EAEAAIYHLQLFEELR[162]R[162]           |         |         |         |
|        |                   | 5622 C[174]C[174]SGAIIVLTK[134]            |         |         |         |
|        |                   | 5623 IISKIENHEGVR                          |         |         |         |
|        |                   | 5624 EAEAAIYHLQLFEELRR                     |         |         |         |
|        |                   | 5625 APIIAVTR                              |         |         |         |
|        |                   | 5626 GSGTAEVELKK                           |         |         |         |
|        |                   | 5627 EATESFASDPILYR[162]PVAVALDTK[134]     |         |         |         |
|        |                   | 5628 GDLGIEIPA EK[134]VFLAQK[134]          |         |         |         |

5629 SVEMLKEMIK  
 5630 APIIAVTR[162]  
 5631 GDLGIEIPA EK[134]  
 5632 AEGSDVANAVLDGADC[174]IMLSGETAK  
 5633 AEGSDVANAVLDGADC[174]IMLSGETAKGDYPLEAVR  
 5634 AGKPVIC[174]ATQMLES MIK  
 5635 KGVNLPGAAVDLPAVSEK  
 5636 LNFSHGTHEYHAETIKNVR  
 5637 LNFSHGTHEYHAETIK[134]NVR[162]  
 5638 EK[134]GADFLVTEVENGGSLGSK[134]  
 5639 GVNLPGAAVDLPAVSEK  
 5640 GVNLPGAAVDLPAVSEK[134]  
 5641 APIIAVTRNPQTAR  
 5642 GADFLVTEVENGGSLGSKK  
 5643 LDIDSAPITAR  
 5644 ITLDNAYMEK[134]  
 5645 YRPRAPIIAVTR  
 5646 GDYPLEAVR  
 5647 IISK[134]IENHEGVR[162]  
 5648 VNLAMDVGK  
 5649 GDLGIEIPA EKVF LAQK  
 5650 ITLDNAYMEK  
 5651 GDYPLEAVR[162]  
 5652 GSGTAEVELK  
 5653 VNLAMDVGK[134]  
 5654 MQHLIAR[162]  
 5655 GVNLPGAAVDLPAVSEKDIQDLK  
 5656 MQHLIAR  
 5657 IYVDDGLISLQVKEK  
 5658 GIFPVLC[174]K[134]  
 5659 GSGTAEVELK[134]  
 5660 NLMTALNIQ GK

|        |                     |                                   |         |         |        |
|--------|---------------------|-----------------------------------|---------|---------|--------|
| Q8K131 | Q8K131 Q8K131_MOUSE | Beta-galactosidase - Mus musculus | 0.50305 | 0.34748 | 4.0185 |
|--------|---------------------|-----------------------------------|---------|---------|--------|

|        |                   |      |                                              |          |         |         |
|--------|-------------------|------|----------------------------------------------|----------|---------|---------|
|        |                   | 5661 | AYVSVDGVPQGILDR[162]NLMTALNIQGK[134]         |          |         |         |
|        |                   | 5662 | NLMTALNIQGK[134]                             |          |         |         |
|        |                   | 5663 | AYVSVDGVPQGILDRNLMTALNIQGK                   |          |         |         |
| P80318 | P80318 TCPG_MOUSE |      | T-complex protein 1 subunit gamma - Mus mu   | 0.08366  | 0.87584 | 18.1651 |
|        |                   | 5664 | VEKIPGGIIEDSC[174]VLR                        |          |         |         |
|        |                   | 5665 | TAVETAVLLLR[162]                             |          |         |         |
|        |                   | 5666 | IVLLDSSLEYK[134]                             |          |         |         |
|        |                   | 5667 | AVAQALEVIPR                                  |          |         |         |
|        |                   | 5668 | AVAQALEVIPR[162]                             |          |         |         |
|        |                   | 5669 | IVSRPEELREDDVGTGAGLLEIK                      |          |         |         |
|        |                   | 5670 | EIQVQHPAAK                                   |          |         |         |
|        |                   | 5671 | TAVETAVLLLR                                  |          |         |         |
|        |                   | 5672 | IVLLDSSLEYK                                  |          |         |         |
|        |                   | 5673 | EIQVQHPAAK[134]                              |          |         |         |
|        |                   | 5674 | KGDDQNRQTGAPDAGQE                            |          |         |         |
| Q76MZ3 | Q76MZ3 2AAA_MOUSE |      | Serine/threonine-protein phosphatase 2A 65 k | -0.04372 | 0.93577 | 24.9576 |
|        |                   | 5675 | LNISNLDC[174]VNEVIGIR[162]                   |          |         |         |
|        |                   | 5676 | IGPILDNSTLQSEVKPILEK                         |          |         |         |
|        |                   | 5677 | QLSQSLLPAIVELAEDAKWR                         |          |         |         |
|        |                   | 5678 | IGPILDNSTLQSEVK[134]PILEK[134]               |          |         |         |
|        |                   | 5679 | LSTIALALGVER[162]                            |          |         |         |
|        |                   | 5680 | TSAC[174]GLFSVC[174]YPR[162]                 |          |         |         |
|        |                   | 5681 | SALASVIMGLSPILGK                             |          |         |         |
|        |                   | 5682 | QLSQSLLPAIVELAEDAK[134]                      |          |         |         |
|        |                   | 5683 | LAGGDWFTSR[162]                              |          |         |         |
|        |                   | 5684 | LTQDQDQDVVK[134]                             |          |         |         |
|        |                   | 5685 | LTQDQDQDVVK                                  |          |         |         |
|        |                   | 5686 | QLSQSLLPAIVELAEDAK                           |          |         |         |
|        |                   | 5687 | MAGDPVANVR                                   |          |         |         |
|        |                   | 5688 | HMLPTVLR[162]                                |          |         |         |
|        |                   | 5689 | HMLPTVLR                                     |          |         |         |
|        |                   | 5690 | NLC[174]SDDTPMVR                             |          |         |         |
|        |                   | 5691 | LNISNLDC[174]VNEVIGIR                        |          |         |         |

|        |                    |                                               |          |         |         |
|--------|--------------------|-----------------------------------------------|----------|---------|---------|
|        |                    | 5692 LSTIALALGVER                             |          |         |         |
|        |                    | 5693 NLC[174]SDDTPMVR[162]                    |          |         |         |
| Q8BMK4 | Q8BMK4 CKAP4_MOUSE | Cytoskeleton-associated protein 4 - Mus musc  | -0.51150 | 0.34578 | 8.8696  |
|        |                    | 5694 VQSLQATFGTFESLLR[162]                    |          |         |         |
|        |                    | 5695 VQSLQATFGTFESLLR                         |          |         |         |
|        |                    | 5696 GGHGAASPSDKGAHPSGGADDVAK                 |          |         |         |
|        |                    | 5697 AVK[134]EGESELNR[162]                    |          |         |         |
| Q8BP47 | Q8BP47 SYNC_MOUSE  | Asparaginyl-tRNA synthetase, cytoplasmic - M  | 0.12374  | 0.81725 | 5.1878  |
|        |                    | 5698 EGIDPAPYYWYTDQR[162]                     |          |         |         |
|        |                    | 5699 LMTDTINEPILLC[174]R[162]                 |          |         |         |
|        |                    | 5700 LMTDTINEPILLC[174]R                      |          |         |         |
| Q8VCH8 | Q8VCH8 UBXD2_MOUSE | UBX domain-containing protein 2 - Mus muscu   | 0.20070  | 0.70779 | 5.9289  |
|        |                    | 5701 MLWFQGAIPAAIASAK[134]                    |          |         |         |
|        |                    | 5702 MLWFQGAIPAAIASAK                         |          |         |         |
|        |                    | 5703 NTELC[174]ETPATSDIK                      |          |         |         |
|        |                    | 5704 NTELC[174]ETPATSDIK[134]                 |          |         |         |
| Q8VCM8 | Q8VCM8 NCLN_MOUSE  | Nicalin precursor - Mus musculus              | -0.54253 | 0.31731 | 4.4405  |
|        |                    | 5705 MQQYDLQGQPYGTR                           |          |         |         |
|        |                    | 5706 MQQYDLQGQPYGTR[162]                      |          |         |         |
|        |                    | 5707 AMAAVPQDVVR[162]                         |          |         |         |
| Q9CQV4 | Q9CQV4 F134C_MOUSE | Protein FAM134C - Mus musculus                | -0.33817 | 0.53307 | 6.4378  |
|        |                    | 5708 SPPGAGDTQVLPASR[162]                     |          |         |         |
|        |                    | 5709 TLVEVLGPYEPLLSR                          |          |         |         |
|        |                    | 5710 TLVEVLGPYEPLLSR[162]                     |          |         |         |
| Q9CWJ9 | Q9CWJ9 PUR9_MOUSE  | Bifunctional purine biosynthesis protein PURH | -0.18345 | 0.73526 | 10.1351 |
|        |                    | 5711 DGQVIGIGAGQQSR[162]                      |          |         |         |
|        |                    | 5712 VC[174]MVYDLYPTLTPLAVAYAR[162]           |          |         |         |
|        |                    | 5713 YQSNSVC[174]YAK[134]                     |          |         |         |
|        |                    | 5714 DVSELTGFPEMLGGR                          |          |         |         |
| Q9D771 | Q9D771 CA075_MOUSE | Transmembrane protein C1orf75 homolog - M     | 0.60020  | 0.26232 | 13.7143 |
|        |                    | 5715 EVDR[162]YDAPGIAFYPGQAQLLSC[174]K[134]   |          |         |         |
|        |                    | 5716 EVDRYDAPGIAFYPGQAQLLSC[174]K             |          |         |         |
|        |                    | 5717 ELVFLQFR                                 |          |         |         |



|        |                    |                                                 |          |         |         |
|--------|--------------------|-------------------------------------------------|----------|---------|---------|
|        |                    | 5718 ELVFLQFR[162]                              |          |         |         |
|        |                    | 5719 QETSVVNYIDQRPAER                           |          |         |         |
| Q9R0A0 | Q9R0A0 PEX14_MOUSE | Peroxisomal membrane protein PEX14 - Mus r      | -0.15920 | 0.76919 | 6.9149  |
|        |                    | 5720 LR[162]R[162]PEGASNETER[162]D              |          |         |         |
|        |                    | 5721 LRRPEGASNETERD                             |          |         |         |
|        |                    | 5722 GGDGQINEQVEK[134]                          |          |         |         |
| Q9WVE8 | Q9WVE8 PACN2_MOUSE | Protein kinase C and casein kinase substrate in | 0.21931  | 0.68211 | 8.2305  |
|        |                    | 5723 GR[162]LDSGQVGLYPANYVEAIQ                  |          |         |         |
|        |                    | 5724 HLDLSNVASYK[134]                           |          |         |         |
|        |                    | 5725 LDSGQVGLYPANYVEAIQ                         |          |         |         |
|        |                    | 5726 GPQYGTVEK[134]                             |          |         |         |
| Q6P5F7 | Q6P5F7 TTYH3_MOUSE | Protein tweety homolog 3 - Mus musculus         | -1.36565 | 0.01183 | 4.771   |
|        |                    | 5727 ALVEMQDVVAELLR[162]                        |          |         |         |
|        |                    | 5728 ALVEMQDVVAELLR                             |          |         |         |
|        |                    | 5729 TAEPNLQSLER[162]                           |          |         |         |
| Q6SJQ7 | Q6SJQ7 CLM1_MOUSE  | CMRF35-like molecule 1 precursor - Mus musc     | 0.70755  | 0.18636 | 27.8932 |
|        |                    | 5730 TGLEETTEYSSIR[162]                         |          |         |         |
|        |                    | 5731 TLVETDASEQLVK[134]                         |          |         |         |
|        |                    | 5732 TGLEETTEYSSIR                              |          |         |         |
|        |                    | 5733 TLVETDASEQLVK                              |          |         |         |
|        |                    | 5734 AAGPPSEQAQSLGDLC[174]YADLSLKQPR            |          |         |         |
|        |                    | 5735 EEVSYAALTLAGLGQEPTYGNTGC[174]PITHVPR[162]  |          |         |         |
|        |                    | 5736 TGLEETTEYSSIRRPLPAAMP                      |          |         |         |
|        |                    | 5737 TGLEETTEYSSIR[162]R[162]PLPAAMP            |          |         |         |
|        |                    | 5738 EEVSYAALTLAGLGQEPTYGNTGC[174]PITHVPR       |          |         |         |
|        |                    | 5739 TLVETDASEQLVK[134]K[134]                   |          |         |         |
|        |                    | 5740 TLVETDASEQLVKK                             |          |         |         |
| P29416 | P29416 HEXA_MOUSE  | Beta-hexosaminidase alpha chain precursor - H   | 1.01913  | 0.05700 | 16.2879 |
|        |                    | 5741 ALLSAPWYLN                                 |          |         |         |
|        |                    | 5742 GIQAQPISVGYC[174]EQEFEQT                   |          |         |         |
|        |                    | 5743 KGSFNPVTHIYTAQDVK                          |          |         |         |
|        |                    | 5744 ALLSAPWYLN[162]                            |          |         |         |
|        |                    | 5745 RGIQAQPISVGYC[174]EQEFEQT                  |          |         |         |

|        |                    |                                              |          |         |         |
|--------|--------------------|----------------------------------------------|----------|---------|---------|
|        |                    | 5746 R[162]GIQAQPISVGYC[174]EQEFEQT          |          |         |         |
|        |                    | 5747 GSFNPVTHIYTAQDVK[134]                   |          |         |         |
|        |                    | 5748 GSFNPVTHIYTAQDVK                        |          |         |         |
|        |                    | 5749 DMYKVEPLAFHGTPEQK                       |          |         |         |
|        |                    | 5750 SNPNIQAFMK                              |          |         |         |
|        |                    | 5751 VEPLAFHGTPEQK                           |          |         |         |
|        |                    | 5752 SNPNIQAFMK[134]                         |          |         |         |
|        |                    | 5753 GLETFSQLVWK[134]                        |          |         |         |
|        |                    | 5754 GLETFSQLVWK                             |          |         |         |
| O89016 | O89016 ABCD4_MOUSE | ATP-binding cassette sub-family D member 4 - | -0.24597 | 0.65028 | 5.9406  |
|        |                    | 5755 FLELAGLSSLVAR[162]                      |          |         |         |
|        |                    | 5756 FLELAGLSSLVAR                           |          |         |         |
|        |                    | 5757 IGELQEALLDMSR[162]                      |          |         |         |
|        |                    | 5758 IGELQEALLDMSR                           |          |         |         |
|        |                    | 5759 VNAEPAAFYR[162]                         |          |         |         |
|        |                    | 5760 VNAEPAAFYR                              |          |         |         |
| P11984 | P11984 TCPA1_MOUSE | T-complex protein 1 subunit alpha A - Mus mu | 0.12157  | 0.82039 | 23.5612 |
|        |                    | 5761 GANDFMC[174]DEMER[162]                  |          |         |         |
|        |                    | 5762 MLVDDIGDVTITNDGATILK                    |          |         |         |
|        |                    | 5763 MLVDDIGDVTITNDGATILK[134]               |          |         |         |
|        |                    | 5764 SQNVMAAASIANIVK[134]                    |          |         |         |
|        |                    | 5765 AFHNEAQVNPERK                           |          |         |         |
|        |                    | 5766 SLLVIPNTLAVNAAQSTDLVAK[134]             |          |         |         |
|        |                    | 5767 SQNVMAAASIANIVK                         |          |         |         |
|        |                    | 5768 SLLVIPNTLAVNAAQSTDLVAK                  |          |         |         |
|        |                    | 5769 IC[174]DDELILIK[134]                    |          |         |         |
|        |                    | 5770 EQLAIAEFAR[162]                         |          |         |         |
|        |                    | 5771 IC[174]DDELILIK                         |          |         |         |
|        |                    | 5772 EQLAIAEFAR                              |          |         |         |
|        |                    | 5773 LLEVEHPAAK[134]                         |          |         |         |
|        |                    | 5774 LLEVEHPAAK                              |          |         |         |
|        |                    | 5775 IAC[174]LDFSLQK[134]                    |          |         |         |
|        |                    | 5776 TSASIILR[162]                           |          |         |         |

|        |                   |                                              |          |         |         |
|--------|-------------------|----------------------------------------------|----------|---------|---------|
|        |                   | 5777 TSASIILR                                |          |         |         |
| P29351 | P29351 PTN6_MOUSE | Tyrosine-protein phosphatase non-receptor ty | -0.42223 | 0.43641 | 11.2605 |
|        |                   | 5778 ESLSQPGDFVLSVLNDQPK[134]                |          |         |         |
|        |                   | 5779 DSNIPGSDYINANYVK[134]                   |          |         |         |
|        |                   | 5780 VNAADIENR[162]                          |          |         |         |
|        |                   | 5781 ESLSQPGDFVLSVLNDQPK                     |          |         |         |
|        |                   | 5782 VNAADIENR                               |          |         |         |
|        |                   | 5783 DSNIPGSDYINANYVK                        |          |         |         |
|        |                   | 5784 NQLLGPDENSK[134]                        |          |         |         |
|        |                   | 5785 DLSGPDAETLLK[134]                       |          |         |         |
| P42932 | P42932 TCPQ_MOUSE | T-complex protein 1 subunit theta - Mus musc | 0.14336  | 0.78889 | 27.1898 |
|        |                   | 5786 AIAGTGANVIVTGGK[134]                    |          |         |         |
|        |                   | 5787 LFVTNDAATILR[162]                       |          |         |         |
|        |                   | 5788 FAEAFEAIPIR                             |          |         |         |
|        |                   | 5789 HFSGLEEAVYR[162]                        |          |         |         |
|        |                   | 5790 LFVTNDAATILR                            |          |         |         |
|        |                   | 5791 IAVYSC[174]PFDGMITETK[134]              |          |         |         |
|        |                   | 5792 AVDDGVNTFK                              |          |         |         |
|        |                   | 5793 QITSYGETC[174]PGLEQYAIKK                |          |         |         |
|        |                   | 5794 QYGSETFLAK[134]                         |          |         |         |
|        |                   | 5795 AVDDGVNTFK[134]                         |          |         |         |
|        |                   | 5796 NLR[162]DVDEVSSLLR[162]                 |          |         |         |
|        |                   | 5797 IAVYSC[174]PFDGMITETK                   |          |         |         |
|        |                   | 5798 ELEVQHPAAK[134]                         |          |         |         |
|        |                   | 5799 LYSVHQEGNK[134]                         |          |         |         |
|        |                   | 5800 ELEVQHPAAK                              |          |         |         |
|        |                   | 5801 ETEGDVTSVKDAK                           |          |         |         |
| P80317 | P80317 TCPZ_MOUSE | T-complex protein 1 subunit zeta - Mus muscu | 0.02137  | 0.96816 | 20.7156 |
|        |                   | 5802 VATAQDDITGDGTTSNVLIIGELLK               |          |         |         |
|        |                   | 5803 VATAQDDITGDGTTSNVLIIGELLK[134]          |          |         |         |
|        |                   | 5804 VLAQNSGFDLQETLVK                        |          |         |         |
|        |                   | 5805 VLAQNSGFDLQETLVK[134]                   |          |         |         |
|        |                   | 5806 NAIDDDGC[174]VVPGAGAVEVALAEALIK         |          |         |         |

|        |                    |                                               |          |         |         |
|--------|--------------------|-----------------------------------------------|----------|---------|---------|
|        |                    | 5807 NAIDDDGC[174]VVPGAGAVEVALAEALIK[134]     |          |         |         |
|        |                    | 5808 GIDPFSLDALAK[134]                        |          |         |         |
|        |                    | 5809 ALQFLEQVK[134]                           |          |         |         |
|        |                    | 5810 ALQFLEQVK                                |          |         |         |
|        |                    | 5811 HKSETDTSLIR                              |          |         |         |
|        |                    | 5812 IITEGFEEAAKEK                            |          |         |         |
|        |                    | 5813 GIDPFSLDALAK                             |          |         |         |
| Q61390 | Q61390 TCPW_MOUSE  | T-complex protein 1 subunit zeta-2 - Mus mus  | 0.02137  | 0.96816 | 2.4482  |
|        |                    | 5814 QADLYISEGLHPR                            |          |         |         |
|        |                    | 5815 QADLYISEGLHPR[162]                       |          |         |         |
| Q9D024 | Q9D024 CC47_MOUSE  | Coiled-coil domain-containing protein 47 prec | -0.23320 | 0.66731 | 17.5983 |
|        |                    | 5816 IMQEEGQPLKLPDTKR                         |          |         |         |
|        |                    | 5817 TLLFTFNVPGSGNTYTPK[134]                  |          |         |         |
|        |                    | 5818 TLLFTFNVPGSGNTYTPK                       |          |         |         |
|        |                    | 5819 LTHVQR[162]QEAAQSR[162]                  |          |         |         |
|        |                    | 5820 R[162]QDLLNVLAR[162]                     |          |         |         |
|        |                    | 5821 R[162]LEEAAALR[162]                      |          |         |         |
|        |                    | 5822 IMNEEDPEK[134]QR[162]                    |          |         |         |
|        |                    | 5823 RLEEAAALRR                               |          |         |         |
|        |                    | 5824 R[162]LEEAAALR[162]R[162]                |          |         |         |
|        |                    | 5825 LTHVQRQEAAQSR                            |          |         |         |
|        |                    | 5826 QDLLNVLAR                                |          |         |         |
|        |                    | 5827 QDLLNVLAR[162]                           |          |         |         |
|        |                    | 5828 IMNEEDPEKQR                              |          |         |         |
|        |                    | 5829 ARVEENFLK                                |          |         |         |
|        |                    | 5830 AR[162]VEENFLK[134]                      |          |         |         |
| Q9WUM4 | Q9WUM4 COR1C_MOUSE | Coronin-1C - Mus musculus                     | 0.02137  | 0.96816 | 5.0633  |
|        |                    | 5831 AIFLADGNVFTTGFSR                         |          |         |         |
|        |                    | 5832 AIFLADGNVFTTGFSR[162]                    |          |         |         |
|        |                    | 5833 SELSC[174]APK[134]                       |          |         |         |
| Q9WVK4 | Q9WVK4 EHD1_MOUSE  | EH domain-containing protein 1 - Mus muscul   | 0.16157  | 0.76284 | 41.7603 |
|        |                    | 5834 LLDTVDDMLANDIAR[162]                     |          |         |         |
|        |                    | 5835 LADVVDKDGLLDDEEFALANHLIK                 |          |         |         |

|        |                    |      |                                              |          |         |        |
|--------|--------------------|------|----------------------------------------------|----------|---------|--------|
|        |                    | 5836 | LLDTVDDMLANDIAR                              |          |         |        |
|        |                    | 5837 | IGPEPTTDSFIAVMHGPTGCVVPGNALVVDPR             |          |         |        |
|        |                    | 5838 | ELVNNLGEIYQK[134]                            |          |         |        |
|        |                    | 5839 | ELVNNLGEIYQK                                 |          |         |        |
|        |                    | 5840 | LNAFGNAFLNR[162]                             |          |         |        |
|        |                    | 5841 | LFEAEEQDLFKDIQSLPR                           |          |         |        |
|        |                    | 5842 | IGPEPTTDSFIAVMHGPTGCVVPGNALVVDPR[162]        |          |         |        |
|        |                    | 5843 | FMC[174]AQLPNPVLDSISIIDTPGILSGEK[134]        |          |         |        |
|        |                    | 5844 | LFEAEEQDLFK[134]DIQSLPR[162]                 |          |         |        |
|        |                    | 5845 | VVLNKADQIETQQLMR                             |          |         |        |
|        |                    | 5846 | VVLNK[134]ADQIETQQLMR[162]                   |          |         |        |
|        |                    | 5847 | HLIEQDFPGMR[162]                             |          |         |        |
|        |                    | 5848 | EHQISSGDFPSLR[162]                           |          |         |        |
|        |                    | 5849 | MQELLQTQDFSK                                 |          |         |        |
|        |                    | 5850 | HLIEQDFPGMR                                  |          |         |        |
|        |                    | 5851 | ADQIETQQLMR[162]                             |          |         |        |
|        |                    | 5852 | QEESLMPSQAVK[134]                            |          |         |        |
|        |                    | 5853 | LNAFGNAFLNR                                  |          |         |        |
|        |                    | 5854 | QEESLMPSQAVK                                 |          |         |        |
|        |                    | 5855 | ADQIETQQLMR                                  |          |         |        |
|        |                    | 5856 | MQELLQTQDFSK[134]                            |          |         |        |
|        |                    | 5857 | LADVVK[134]DGLLDDEEFALANHLIK[134]            |          |         |        |
|        |                    | 5858 | FQALK[134]PK[134]                            |          |         |        |
|        |                    | 5859 | KMQELLQTQDFSKFQALKPK                         |          |         |        |
|        |                    | 5860 | SKLPNTVLGK                                   |          |         |        |
|        |                    | 5861 | ELVNNLGEIYQKIER                              |          |         |        |
|        |                    | 5862 | SK[134]LPNTVLGK[134]                         |          |         |        |
|        |                    | 5863 | LFEAEEQDLFK                                  |          |         |        |
| Q60664 | Q60664 LRMP_MOUSE  |      | Lymphoid-restricted membrane protein - Mus   | 0.06319  | 0.90605 | 6.1224 |
|        |                    | 5864 | AASQLEAGEELR[162]                            |          |         |        |
|        |                    | 5865 | DAPEPQGEEAVER[162]                           |          |         |        |
|        |                    | 5866 | VTIASLPR[162]                                |          |         |        |
| Q9CWP6 | Q9CWP6 MSPD2_MOUSE |      | Motile sperm domain-containing protein 2 - M | -0.25873 | 0.63343 | 3.668  |

|        |                    |                                            |         |         |         |
|--------|--------------------|--------------------------------------------|---------|---------|---------|
|        |                    | 5867 TLIVLTNVTK[134]                       |         |         |         |
|        |                    | 5868 HNVVDETLK                             |         |         |         |
|        |                    | 5869 HNVVDETLK[134]                        |         |         |         |
| Q9DC53 | Q9DC53 CPNE8_MOUSE | Copine-8 - Mus musculus                    | 0.56327 | 0.29282 | 17.0213 |
|        |                    | 5870 GIK[134]PSPAPPPYTPPTHVLQTQI           |         |         |         |
|        |                    | 5871 GQSQFNVYEYVNP                         |         |         |         |
|        |                    | 5872 GQSQFNVYEYVNP[134]                    |         |         |         |
|        |                    | 5873 GIKPSPAPPPYTPPTHVLQTQI                |         |         |         |
|        |                    | 5874 AVGEIVQDYDSKMFALGF                    |         |         |         |
|        |                    | 5875 LAKDVLAEIQFLSYMR                      |         |         |         |
|        |                    | 5876 LAK[134]DVLAEIQFLSYMR[162]            |         |         |         |
|        |                    | 5877 SVQLYGPTNFAPVINHVAR                   |         |         |         |
|        |                    | 5878 SVQLYGPTNFAPVINHVAR[162]              |         |         |         |
| P25911 | P25911 LYN_MOUSE   | Tyrosine-protein kinase Lyn - Mus musculus | 0.68060 | 0.20370 | 55.8594 |
|        |                    | 5879 VIEDNEYTAR                            |         |         |         |
|        |                    | 5880 VIEDNEYTAR[162]                       |         |         |         |
|        |                    | 5881 TNADVMSALSQGYR                        |         |         |         |
|        |                    | 5882 QQRPVPEFHLLPGQR                       |         |         |         |
|        |                    | 5883 TNADVMSALSQGYR[162]                   |         |         |         |
|        |                    | 5884 VNTLETEEWFFK                          |         |         |         |
|        |                    | 5885 QLLAPGNSAGAFIR[162]                   |         |         |         |
|        |                    | 5886 QLLAPGNSAGAFIR                        |         |         |         |
|        |                    | 5887 MENC[174]PDELYDIMK                    |         |         |         |
|        |                    | 5888 EGFIPSNYVAK[134]                      |         |         |         |
|        |                    | 5889 EGFIPSNYVAK                           |         |         |         |
|        |                    | 5890 ITFPC[174]ISDMIK                      |         |         |         |
|        |                    | 5891 TIYVRDPTSNK                           |         |         |         |
|        |                    | 5892 ITFPC[174]ISDMIK[134]                 |         |         |         |
|        |                    | 5893 AANVLVSESLMC[174]K[134]               |         |         |         |
|        |                    | 5894 LIDFSAQIAEGMAYIER                     |         |         |         |
|        |                    | 5895 VNTLETEEWFFKDITR                      |         |         |         |
|        |                    | 5896 DPPEEQGDIVVALPYDGIHPDDL               |         |         |         |
|        |                    | 5897 LYAVVTKEEPIYIITEFMAK                  |         |         |         |

5898 LYAVVTK[134]EEPIIITEFMAK[134]  
 5899 FQTKDPEEQGDIVVALYPYDGIHPDDLSEFK  
 5900 AANVLVSESLMC[174]K  
 5901 DNLNDDEVDSK[134]  
 5902 DNLNDDEVDSK  
 5903 EEPIIITEFMAK  
 5904 LIDFSAQIAEGMAYIER[162]  
 5905 MENC[174]PDELYDIMK[134]  
 5906 EEPIIITEFMAK[134]  
 5907 DYDPMHGDVIK[134]  
 5908 KDNLNDDEVDSK  
 5909 DYDPMHGDVIK  
 5910 TLK[134]PGTMSVQAFLEEANLMK[134]  
 5911 TLKPGTMSVQAFLEEANLMK  
 5912 LIDFSAQIAEGMAYIER[162]K[134]  
 5913 QQR[162]PVPEFHLLPGQR[162]  
 5914 GSLLDFLKSDDEGGKVLLPK  
 5915 TLQHDKLVR  
 5916 VNTLETEEWFFK[134]DITR[162]  
 5917 LIDFSAQIAEGMAYIERK  
 5918 GSLLDFLK[134]SDEGGK[134]  
 5919 RKDNLNDDEVDSK  
 5920 VNTLETEEWFFKDITR  
 5921 DNLNDDEVDSKTQPVR  
 5922 GSLLDFLKSDDEGGK  
 5923 TIYVR[162]DPTSNK[134]  
 5924 TLQHDK[134]LVR[162]  
 5925 GSFSLSVR[162]  
 5926 DYDPMHGDVIKHYK  
 5927 R[162]K[134]DNLNDDEVDSK[134]  
 5928 GSFSLSVR  
 5929 FQTK[134]DPEEQGDIVVALYPYDGIHPDDLSEFK[134]

|        |                   |                                       |          |         |         |
|--------|-------------------|---------------------------------------|----------|---------|---------|
| P14211 | P14211 CALR_MOUSE | Calreticulin precursor - Mus musculus | -0.25873 | 0.63343 | 24.0385 |
|--------|-------------------|---------------------------------------|----------|---------|---------|

|        |                   |                                               |         |         |         |
|--------|-------------------|-----------------------------------------------|---------|---------|---------|
|        |                   | 5930 DMHGDSEYNIMFGPDIC[174]GPGTK[134]         |         |         |         |
|        |                   | 5931 C[174]KDDEFTHLYTLIVRPDNTYEVK             |         |         |         |
|        |                   | 5932 KVHVIFNYK                                |         |         |         |
|        |                   | 5933 K[134]VHVIFNYK[134]                      |         |         |         |
|        |                   | 5934 FYGDLEKDKGLQTSQDAR                       |         |         |         |
|        |                   | 5935 IK[134]DPDAAK[134]PEDWDER[162]           |         |         |         |
|        |                   | 5936 HEQNIDC[174]GGGYVK[134]                  |         |         |         |
| P26638 | P26638 SYSC_MOUSE | Seryl-tRNA synthetase, cytoplasmic - Mus mus  | 0.23769 | 0.65710 | 12.1094 |
|        |                   | 5937 FKDPGLVDQLVK                             |         |         |         |
|        |                   | 5938 FK[134]DPGLVDQLVK[134]                   |         |         |         |
|        |                   | 5939 VDKGGDPALIR                              |         |         |         |
|        |                   | 5940 GYTPIYTPFFMR                             |         |         |         |
|        |                   | 5941 LLIDEAIQK[134]                           |         |         |         |
|        |                   | 5942 GYTPIYTPFFMR[162]                        |         |         |         |
|        |                   | 5943 AK[134]EVPLENQLQSMEVTEA                  |         |         |         |
| P62192 | P62192 PRS4_MOUSE | 26S protease regulatory subunit 4 - Mus musci | 0.31010 | 0.56249 | 30      |
|        |                   | 5944 VAEEHAPSIVFIDEIDAIGTK                    |         |         |         |
|        |                   | 5945 VAEEHAPSIVFIDEIDAIGTK[134]               |         |         |         |
|        |                   | 5946 R[162]YDSNSGGER[162]EIQR[162]            |         |         |         |
|        |                   | 5947 K[134]QEGTPEGLYL                         |         |         |         |
|        |                   | 5948 TMLELLNQLDGFDSRGDVK                      |         |         |         |
|        |                   | 5949 KQEGTPEGLYL                              |         |         |         |
|        |                   | 5950 RYDSNSGGEREIQR                           |         |         |         |
|        |                   | 5951 AVANQTSATFLR[162]                        |         |         |         |
|        |                   | 5952 AVANQTSATFLR                             |         |         |         |
|        |                   | 5953 KKYEPPVPTR                               |         |         |         |
|        |                   | 5954 K[134]YEPPVPTR[162]                      |         |         |         |
|        |                   | 5955 IFQIH TSR                                |         |         |         |
|        |                   | 5956 MKVTNEDFKK                               |         |         |         |
|        |                   | 5957 GPDAASKLPLVTPHTQC[174]R                  |         |         |         |
|        |                   | 5958 KYEPPVPTR                                |         |         |         |
|        |                   | 5959 VAEEHAPSIVFIDEIDAIGTKR                   |         |         |         |
|        |                   | 5960 VVGSELIQK                                |         |         |         |



|        |                   |                                               |                                               |          |         |         |
|--------|-------------------|-----------------------------------------------|-----------------------------------------------|----------|---------|---------|
| P63038 | P63038 CH60_MOUSE | 5961                                          | VAEEHAPSIVFIDEIDAIGTK[134]R[162]              | -1.36672 | 0.01176 | 36.8237 |
|        |                   | 60 kDa heat shock protein, mitochondrial prec |                                               |          |         |         |
|        |                   | 5962                                          | AAVEEGIVLGGGC[174]ALLR[162]                   |          |         |         |
|        |                   | 5963                                          | LVQDVANNTNEEAGDGTATVLAR[162]                  |          |         |         |
|        |                   | 5964                                          | ISSVQSIVPALEIANAHK[162]                       |          |         |         |
|        |                   | 5965                                          | LVQDVANNTNEEAGDGTATVLAR                       |          |         |         |
|        |                   | 5966                                          | K[134]PLVIAEDVDGEALSTLVLR[162]                |          |         |         |
|        |                   | 5967                                          | VGEVIVTK[134]DDAMLLK[134]                     |          |         |         |
|        |                   | 5968                                          | VTG[134]DGVTVAK[134]                          |          |         |         |
|        |                   | 5969                                          | GVMILAVDAVIAELK[134]K[134]                    |          |         |         |
|        |                   | 5970                                          | VGEVIVTKDDAMLLK                               |          |         |         |
|        |                   | 5971                                          | C[174]EFQDAYVLLSEK[134]                       |          |         |         |
|        |                   | 5972                                          | GYISPYFINTSK[134]                             |          |         |         |
|        |                   | 5973                                          | VGGTSDVEVNEKKDR                               |          |         |         |
|        |                   | 5974                                          | AAVEEGIVLGGGC[174]ALLR                        |          |         |         |
|        |                   | 5975                                          | VTDALNATR                                     |          |         |         |
|        |                   | 5976                                          | NAGVEGSLIVEK[134]                             |          |         |         |
|        |                   | 5977                                          | NAGVEGSLIVEK                                  |          |         |         |
|        |                   | 5978                                          | VTDALNATR[162]                                |          |         |         |
|        |                   | 5979                                          | SIDLK[134]DK[134]YK[134]                      |          |         |         |
|        |                   | 5980                                          | LSDGVAVLK[134]                                |          |         |         |
|        |                   | 5981                                          | GVMILAVDAVIAELKK                              |          |         |         |
|        |                   | 5982                                          | VGGTSDVEVNEK[134]K[134]DR[162]                |          |         |         |
|        |                   | 5983                                          | GIIDPTK[134]VVR[162]                          |          |         |         |
|        |                   | 5984                                          | VGGTSDVEVNEK                                  |          |         |         |
| P80316 | P80316 TCPE_MOUSE |                                               | T-complex protein 1 subunit epsilon - Mus mu: | 0.12374  | 0.81725 | 17.0055 |
|        |                   | 5985                                          | IADGYEQAAK[162]                               |          |         |         |
|        |                   | 5986                                          | VLVDINNPELIQTAK                               |          |         |         |
|        |                   | 5987                                          | WVGGPEIELIAIATGGR                             |          |         |         |
|        |                   | 5988                                          | WVGGPEIELIAIATGGR[162]                        |          |         |         |
|        |                   | 5989                                          | IAILTC[174]PFEPK[134]PK[134]                  |          |         |         |
|        |                   | 5990                                          | GVIVDK[134]DFSHPQMPK[134]                     |          |         |         |
|        |                   | 5991                                          | VLVDINNPELIQTAK[134]                          |          |         |         |

|        |                    |                                              |          |         |         |
|--------|--------------------|----------------------------------------------|----------|---------|---------|
| Q8BT60 | Q8BT60 CPNE3_MOUSE | 5992 IADGYEQAAR                              | -0.21761 | 0.68835 | 19.137  |
|        |                    | 5993 LMGLEALK[134]                           |          |         |         |
|        |                    | 5994 IAIQHLDKISDKVLVDINNPEPLIQTA             |          |         |         |
|        |                    | Copine-3 - Mus musculus                      |          |         |         |
|        |                    | 5995 SSPVEYEC[174]INEK                       |          |         |         |
|        |                    | 5996 SSPVEYEC[174]INEK[134]                  |          |         |         |
|        |                    | 5997 LYGPTNFSPIINHVAR[162]                   |          |         |         |
|        |                    | 5998 APSGEVAIR[162]DIVQFVPFR[162]            |          |         |         |
|        |                    | 5999 LYGPTNFSPIINHVAR                        |          |         |         |
|        |                    | 6000 VVLFEMEAR[162]                          |          |         |         |
|        |                    | 6001 VEC[174]YDYDNDGSHDLIGTFQTTMTK           |          |         |         |
|        |                    | 6002 VVLFEMEAR                               |          |         |         |
|        |                    | 6003 APSGEVAIR[162]                          |          |         |         |
|        |                    | 6004 GSITISAEIK[134]DNR[162]                 |          |         |         |
|        |                    | 6005 SDPYLEFHK                               |          |         |         |
| Q8BXZ1 | Q8BXZ1 TXD10_MOUSE | 6006 GSITISAEIKDNR                           | 0.30380  | 0.57046 | 5.9211  |
|        |                    | Protein disulfide-isomerase TXNDC10 precursc |          |         |         |
|        |                    | 6007 MDATSYSSIASEFGVR                        |          |         |         |
|        |                    | 6008 MDATSYSSIASEFGVR[162]                   |          |         |         |
|        |                    | 6009 TKDDIIEFAHR                             |          |         |         |
| Q8C166 | Q8C166 CPNE1_MOUSE | 6010 TK[134]DDIIEFAHR[162]                   | 0.62041  | 0.24659 | 6.3433  |
|        |                    | Copine-1 - Mus musculus                      |          |         |         |
|        |                    | 6011 LYGPTNFAPIINHVAR[162]                   |          |         |         |
|        |                    | 6012 FAAQAAQQR[162]                          |          |         |         |
|        |                    | 6013 FGIYDIDNK[134]                          |          |         |         |
| Q91YU8 | Q91YU8 SSF1_MOUSE  | 6014 LYGPTNFAPIINHVAR                        | -0.18345 | 0.73526 | 5.7447  |
|        |                    | 6015 FGIYDIDNK                               |          |         |         |
|        |                    | 6016 FAAQAAQQR                               |          |         |         |
|        |                    | Suppressor of SWI4 1 homolog - Mus musculu:  |          |         |         |
|        |                    | 6017 NLESYAAQPHSFVFR[162]                    |          |         |         |
| Q9D0F3 | Q9D0F3 LMAN1_MOUSE | 6018 GNMQAQQSAVR[162]                        | -0.33843 | 0.53276 | 17.4081 |
|        |                    | 6019 GNMQAQQSAVR                             |          |         |         |
|        |                    | Protein ERGIC-53 precursor - Mus musculus    |          |         |         |

|        |                   |                                             |          |         |         |
|--------|-------------------|---------------------------------------------|----------|---------|---------|
|        |                   | 6020 QVNEVK[134]NSMSETVR[162]               |          |         |         |
|        |                   | 6021 GHPDLQGQPADDIFESIGDREL                 |          |         |         |
|        |                   | 6022 QLDMILDEQR[162]R[162]                  |          |         |         |
|        |                   | 6023 YVSSLTEEISR                            |          |         |         |
|        |                   | 6024 QLDMILDEQRR                            |          |         |         |
|        |                   | 6025 DIDLQAQR                               |          |         |         |
|        |                   | 6026 YVSSLTEEISR[162]                       |          |         |         |
|        |                   | 6027 GHPDLQGQPADDIFESIGDR                   |          |         |         |
|        |                   | 6028 GHPDLQGQPADDIFESIGDR[162]              |          |         |         |
|        |                   | 6029 RGAGTPGQPGQVSQQELDTVVK                 |          |         |         |
|        |                   | 6030 GAGTPGQPGQVSQQELDTVVK                  |          |         |         |
|        |                   | 6031 GAGTPGQPGQVSQQELDTVVK[134]             |          |         |         |
|        |                   | 6032 GHPDLQGQPADDIFESIGDR[162]ELR[162]      |          |         |         |
|        |                   | 6033 QVNEVKNSMSETVR                         |          |         |         |
|        |                   | 6034 YVSSLTEEISR[162]R[162]                 |          |         |         |
|        |                   | 6035 RIDSLAQR                               |          |         |         |
|        |                   | 6036 DIDLQAQR[162]                          |          |         |         |
| Q9EP69 | Q9EP69 SAC1_MOUSE | Phosphatidylinositol phosphatase SAC1 - Mus | 0.18979  | 0.72300 | 13.6286 |
|        |                   | 6037 LSNTSPEFQEMSLER[162]                   |          |         |         |
|        |                   | 6038 LSNTSPEFQEMSLER                        |          |         |         |
|        |                   | 6039 HFDSQVVIYGK[134]                       |          |         |         |
|        |                   | 6040 VVTNQDGVFR                             |          |         |         |
|        |                   | 6041 VVTNQDGVFR[162]                        |          |         |         |
|        |                   | 6042 YK[134]PHPQISK[134]                    |          |         |         |
|        |                   | 6043 TNVIQSLLAR                             |          |         |         |
|        |                   | 6044 YKPHPQISK                              |          |         |         |
|        |                   | 6045 R[162]SLQAQLQR[162]                    |          |         |         |
|        |                   | 6046 TNVIQSLLAR[162]                        |          |         |         |
|        |                   | 6047 SLQAQLQR                               |          |         |         |
|        |                   | 6048 TQLGLLMDGFNSLLR                        |          |         |         |
|        |                   | 6049 TQLGLLMDGFNSLLR[162]                   |          |         |         |
|        |                   | 6050 HFDSQVVIYGK                            |          |         |         |
| P08103 | P08103 HCK_MOUSE  | Tyrosine-protein kinase HCK - Mus musculus  | -0.00258 | 0.99621 | 10.3053 |

|        |                   |                                                  |         |         |         |
|--------|-------------------|--------------------------------------------------|---------|---------|---------|
|        |                   | 6051 TLDSGGFYISPR[162]                           |         |         |         |
|        |                   | 6052 GPVYVPDPTSSSK[134]                          |         |         |         |
|        |                   | 6053 LHAVVSQEPIFIVTEFMAK[134]                    |         |         |         |
|        |                   | 6054 LHAVVSQEPIFIVTEFMAK                         |         |         |         |
|        |                   | 6055 TLDSGGFYISPR                                |         |         |         |
|        |                   | 6056 SSC[174]EDPGC[174]PR[162]                   |         |         |         |
| O89017 | O89017 LGMN_MOUSE | Legumain precursor - Mus musculus                | 1.16273 | 0.02989 | 17.7011 |
|        |                   | 6057 TNDVKESQNLIGQIQQLDAR                        |         |         |         |
|        |                   | 6058 ASSPISLPPVTHLDLTPSPDVPLTILK                 |         |         |         |
|        |                   | 6059 IVSLLAGFGETAER                              |         |         |         |
|        |                   | 6060 IVSLLAGFGETAER[162]                         |         |         |         |
|        |                   | 6061 HQADAC[174]HAYQIIHR                         |         |         |         |
|        |                   | 6062 ASSPISLPPVTHLDLTPSPDVPLTILKR                |         |         |         |
| P01901 | P01901 HA1B_MOUSE | H-2 class I histocompatibility antigen, K-B alph | 1.97198 | 0.00023 | 4.065   |
|        |                   | 6063 YFVTAVSR[162]PGLGEPR[162]                   |         |         |         |
|        |                   | 6064 YFVTAVSRPGLGEPR                             |         |         |         |
| P01902 | P01902 HA1D_MOUSE | H-2 class I histocompatibility antigen, K-D alph | 1.25103 | 0.01947 | 29.3478 |
|        |                   | 6065 FIAVGyvDDTQFVR[162]                         |         |         |         |
|        |                   | 6066 GVNYALAPGSQTSDSLSPDGK                       |         |         |         |
|        |                   | 6067 FIAVGyvDDTQFVR                              |         |         |         |
|        |                   | 6068 GYQQFAYDGR                                  |         |         |         |
|        |                   | 6069 GLPEPLTLR                                   |         |         |         |
|        |                   | 6070 GLPEPLTLR[162]                              |         |         |         |
|        |                   | 6071 SQVDVTLR                                    |         |         |         |
|        |                   | 6072 SQVDVTLR[162]                               |         |         |         |
|        |                   | 6073 FDSADNPRFEPR                                |         |         |         |
|        |                   | 6074 GVNYALAPGSQTSDSLSPDGK[134]                  |         |         |         |
|        |                   | 6075 TWTAADTAALITR[162]                          |         |         |         |
|        |                   | 6076 MFGC[174]DVGSDWR                            |         |         |         |
|        |                   | 6077 FDSADNPR[162]FEPR[162]                      |         |         |         |
|        |                   | 6078 TWTAADTAALITR                               |         |         |         |
|        |                   | 6079 MFGC[174]DVGSDWR[162]                       |         |         |         |
|        |                   | 6080 AK[134]SDEQWFR[162]                         |         |         |         |

|        |                   |                                                |          |         |         |
|--------|-------------------|------------------------------------------------|----------|---------|---------|
| Q9QUI0 | Q9QUI0 RHOA_MOUSE | Transforming protein RhoA precursor - Mus m    | 0.39334  | 0.46258 | 31.6062 |
|        |                   | 6081 HFC[174]PNVPIILVGNKK                      |          |         |         |
|        |                   | 6082 HFC[174]PNVPIILVGNK[134]K[134]            |          |         |         |
|        |                   | 6083 QVELALWDTAGQEDYDR[162]                    |          |         |         |
|        |                   | 6084 IGAFGYMEC[174]SAK[134]                    |          |         |         |
|        |                   | 6085 IGAFGYMEC[174]SAK                         |          |         |         |
|        |                   | 6086 MKQEPVKPEEGR                              |          |         |         |
|        |                   | 6087 MKQEPVKPEEGRDMANR                         |          |         |         |
| Q9JLB0 | Q9JLB0 MPP6_MOUSE | MAGUK p55 subfamily member 6 - Mus muscu       | -0.85664 | 0.11434 | 36.3472 |
|        |                   | 6088 AVVDAGITTK[134]                           |          |         |         |
|        |                   | 6089 TSEFMPYVVFIAAPELETLR[162]                 |          |         |         |
|        |                   | 6090 YLEHGEYEGNLYGTK[134]                      |          |         |         |
|        |                   | 6091 C[174]HFDYNPFNDNLIPC[174]K[134]EAGLK[134] |          |         |         |
|        |                   | 6092 NAEFDR[162]HEIQIYEEVAK[134]               |          |         |         |
|        |                   | 6093 YLEHGEYEGNLYGTK                           |          |         |         |
|        |                   | 6094 TSEFMPYVVFIAAPELETLR                      |          |         |         |
|        |                   | 6095 TC[174]ILDVNPQALK[134]                    |          |         |         |
|        |                   | 6096 IDSILEVVQTGR[162]                         |          |         |         |
|        |                   | 6097 TC[174]ILDVNPQALK                         |          |         |         |
|        |                   | 6098 NAEFDRHEIQIYEEVAK                         |          |         |         |
|        |                   | 6099 EGGSAGLIPSQFLEEK[134]                     |          |         |         |
|        |                   | 6100 AGEPLGVTFR[162]                           |          |         |         |
|        |                   | 6101 FIVLNPAR[162]                             |          |         |         |
|        |                   | 6102 FIVLNPAR                                  |          |         |         |
|        |                   | 6103 VENNDLVIAR[162]                           |          |         |         |
|        |                   | 6104 EGGSAGLIPSQFLEEK                          |          |         |         |
|        |                   | 6105 VENNDLVIAR                                |          |         |         |
|        |                   | 6106 AGEPLGVTFR                                |          |         |         |
|        |                   | 6107 FGTTVPFTSR                                |          |         |         |
|        |                   | 6108 QGLLHVGDIIK                               |          |         |         |
|        |                   | 6109 LLTDSDLK[134]K[134]                       |          |         |         |
|        |                   | 6110 SEMEADIK[134]AGK[134]                     |          |         |         |
|        |                   | 6111 GIMENPIVK                                 |          |         |         |

|        |                    |                                               |          |         |         |
|--------|--------------------|-----------------------------------------------|----------|---------|---------|
| O35465 | O35465 FKBP8_MOUSE | FK506-binding protein 8 - Mus musculus        | -0.02170 | 0.96810 | 11.6915 |
|        |                    | 6112 ADFVLAANSYDLAIK                          |          |         |         |
|        |                    | 6113 ADFVLAANSYDLAIK[134]                     |          |         |         |
|        |                    | 6114 VLAQQGEYSEAIPILR                         |          |         |         |
|        |                    | 6115 VLAQQGEYSEAIPILR[162]                    |          |         |         |
|        |                    | 6116 TAEDGPDLEMLSGQER[162]                    |          |         |         |
| O54782 | O54782 MA2B2_MOUSE | Epididymis-specific alpha-mannosidase precu   | 0.90223  | 0.09199 | 5.2063  |
|        |                    | 6117 AYAANVYTTVVAELVR                         |          |         |         |
|        |                    | 6118 QASALLYAGESMFTR                          |          |         |         |
|        |                    | 6119 AYAANVYTTVVAELVR[162]                    |          |         |         |
|        |                    | 6120 QASALLYAGESMFTR[162]                     |          |         |         |
|        |                    | 6121 FIAVEQEFFR                               |          |         |         |
|        |                    | 6122 FIAVEQEFFR[162]                          |          |         |         |
|        |                    | 6123 LWWDGVASEQQK                             |          |         |         |
|        |                    | 6124 LWWDGVASEQQK[134]                        |          |         |         |
| O89053 | O89053 COR1A_MOUSE | Coronin-1A - Mus musculus                     | 0.57596  | 0.28208 | 18.6551 |
|        |                    | 6125 ADQC[174]YEDVR[162]                      |          |         |         |
|        |                    | 6126 ADQC[174]YEDVR                           |          |         |         |
|        |                    | 6127 DGALIC[174]TSC[174]R[162]                |          |         |         |
|        |                    | 6128 LDRLEETVQAK                              |          |         |         |
|        |                    | 6129 ATPEPSGTPSSDTVSR                         |          |         |         |
|        |                    | 6130 DAGPLLISLK                               |          |         |         |
|        |                    | 6131 DAGPLLISLK[134]                          |          |         |         |
|        |                    | 6132 ATPEPSGTPSSDTVSR[162]                    |          |         |         |
|        |                    | 6133 ILTTGFSR[162]                            |          |         |         |
|        |                    | 6134 ATPEPSGTPSSDTVSRLEEDVR                   |          |         |         |
|        |                    | 6135 VSQTTWDSGFC[174]AVNPK                    |          |         |         |
|        |                    | 6136 VSQTTWDSGFC[174]AVNPK[134]               |          |         |         |
| P09103 | P09103 PDIA1_MOUSE | Protein disulfide-isomerase precursor - Mus m | -0.00258 | 0.99621 | 22.9862 |
|        |                    | 6137 VDATEESDLAQYGVGR                         |          |         |         |
|        |                    | 6138 VDATEESDLAQYGVGR[162]                    |          |         |         |
|        |                    | 6139 SNFEEALAAHK[134]                         |          |         |         |
|        |                    | 6140 ILFIFIDSDHTDNQR[162]                     |          |         |         |

|        |                   |                                           |          |         |        |
|--------|-------------------|-------------------------------------------|----------|---------|--------|
|        |                   | 6141 MDSTANEVEAVKVHSFPTLK                 |          |         |        |
|        |                   | 6142 EADDIVNWLK                           |          |         |        |
|        |                   | 6143 EADDIVNWLK[134]                      |          |         |        |
|        |                   | 6144 LAKVDATEESDLAQYGVV                   |          |         |        |
|        |                   | 6145 LAK[134]VDATEESDLAQYGVV[162]         |          |         |        |
|        |                   | 6146 TVIDYNGER                            |          |         |        |
|        |                   | 6147 ILEFFGLKKEEC[174]PAVR                |          |         |        |
|        |                   | 6148 ILEFFGLK                             |          |         |        |
|        |                   | 6149 ALAPEYAK                             |          |         |        |
|        |                   | 6150 LK[134]AEGSEIR[162]                  |          |         |        |
| P20152 | P20152 VIME_MOUSE | Vimentin - Mus musculus                   | -1.12740 | 0.03770 | 67.382 |
|        |                   | 6151 EMEENFALEAANYQDTIGR[162]             |          |         |        |
|        |                   | 6152 FADLSEAANR[162]                      |          |         |        |
|        |                   | 6153 K[134]VESLQEEIAFLK[134]              |          |         |        |
|        |                   | 6154 KVESLQEEIAFLKK                       |          |         |        |
|        |                   | 6155 LQEEMLQR[162]EEAESTLQSFR[162]        |          |         |        |
|        |                   | 6156 RQVDQLTNDKAR                         |          |         |        |
|        |                   | 6157 DGQVINETSQHDDLE                      |          |         |        |
|        |                   | 6158 FADLSEAANR                           |          |         |        |
|        |                   | 6159 LGDLYEEEMR                           |          |         |        |
|        |                   | 6160 LGDLYEEEMR[162]                      |          |         |        |
|        |                   | 6161 SLYSSSPGGAYVTR[162]                  |          |         |        |
|        |                   | 6162 SYVTTSTR[162]                        |          |         |        |
|        |                   | 6163 VEVER[162]DNLAEDIMR[162]             |          |         |        |
|        |                   | 6164 QVQSLTC[174]EVDALKGTNESLER           |          |         |        |
|        |                   | 6165 QVQSLTC[174]EVDALK[134]GTNESLER[162] |          |         |        |
|        |                   | 6166 VEVERDNLAEDIMR                       |          |         |        |
|        |                   | 6167 FADLSEAANRRNDALR                     |          |         |        |
|        |                   | 6168 QVQSLTC[174]EVDALK[134]              |          |         |        |
|        |                   | 6169 QDVDNASLAR[162]                      |          |         |        |
|        |                   | 6170 TYSLGSALR[162]PSTSR[162]             |          |         |        |
|        |                   | 6171 QDVDNASLAR                           |          |         |        |
|        |                   | 6172 FADLSEAANR[162]NNDALR[162]           |          |         |        |

6173 QVDQLTNDK[134]AR[162]  
6174 ISLPLPTFSSLNLR[162]  
6175 R[162]QVDQLTNDK[134]AR[162]  
6176 ETNLESLPLVDTHSK[134]R[162]  
6177 ISLPLPTFSSLNLR  
6178 SLYSSSPGGAYVTR  
6179 ILLAELEQLK[134]  
6180 FANYIDK[134]VR[162]  
6181 ETNLESLPLVDTHSKR  
6182 QVDQLTNDKAR  
6183 ILLAELEQLK[134]GQGK[134]  
6184 LQEEMLQREEAESTLQSFRQDVNDASLAR  
6185 TYSLGSALRPSTSR  
6186 ILLAELEQLKGQGK  
6187 FANYIDKVR  
6188 EMEENFALEAANYQDTIGR  
6189 KVESLQEEIAFLK  
6190 LQDEIQNMK[134]EEMAR[162]  
6191 EEAESTLQSFRQDVNDASLAR  
6192 EEAESTLQSFR[162]QDVNDASLAR[162]  
6193 K[134]VESLQEEIAFLK[134]K[134]  
6194 TNEK[134]VELQELNDR[162]FANYIDK[134]  
6195 TVETR[162]DGQVINETSQHDDLE  
6196 LGDLYEEEMR[162]ELR[162]R[162]  
6197 LGDLYEEEMRELRR  
6198 ETNLESLPLVDTHSK[134]  
6199 ILLAELEQLK  
6200 QVQSLTC[174]EVDALK  
6201 ETNLESLPLVDTHSK  
6202 FANYIDK[134]  
6203 R[162]MFGGSGTSSR[162]PSSNR[162]  
6204 DVR[162]QQYESVAAK[134]  
6205 MFGGSGTSSRPSSNR



|        |                    |                                               |          |         |         |
|--------|--------------------|-----------------------------------------------|----------|---------|---------|
|        |                    | 6206 LQDEIQNMKEEMAR                           |          |         |         |
|        |                    | 6207 RMFGGSGTSSRPSSNR                         |          |         |         |
|        |                    | 6208 QQYESVAAK                                |          |         |         |
|        |                    | 6209 LQEEMLQR[162]                            |          |         |         |
|        |                    | 6210 MFGGSGTSSR[162]PSSNR[162]                |          |         |         |
|        |                    | 6211 SK[134]FADLSEAANR[162]                   |          |         |         |
|        |                    | 6212 SYVTTSTR                                 |          |         |         |
|        |                    | 6213 LR[162]SSVPGVR[162]                      |          |         |         |
|        |                    | 6214 KVESLQEEIAFLK[134]                       |          |         |         |
|        |                    | 6215 QQYESVAAK[134]                           |          |         |         |
| P27773 | P27773 PDIA3_MOUSE | Protein disulfide-isomerase A3 precursor - Mu | -0.02435 | 0.96420 | 50.6931 |
|        |                    | 6216 DLLTAYYDVDYEK                            |          |         |         |
|        |                    | 6217 DLLTAYYDVDYEKNAK                         |          |         |         |
|        |                    | 6218 DLLTAYYDVDYEK[134]                       |          |         |         |
|        |                    | 6219 MDATANDVPSPYEVK[134]                     |          |         |         |
|        |                    | 6220 TFSHELSDFGLESTTGEVPVVAIR                 |          |         |         |
|        |                    | 6221 TFSHELSDFGLESTTGEVPVVAIR[162]            |          |         |         |
|        |                    | 6222 DGEEAGAYDGPR[162]                        |          |         |         |
|        |                    | 6223 ALEQFLQEYFDGNLK[134]R[162]               |          |         |         |
|        |                    | 6224 DLFSDGHSEFLK[134]                        |          |         |         |
|        |                    | 6225 FVMQEEFSR[162]                           |          |         |         |
|        |                    | 6226 YGVSGYPTLK[134]                          |          |         |         |
|        |                    | 6227 GFPTIYFSPANK[134]                        |          |         |         |
|        |                    | 6228 MDATANDVPSPYEVK                          |          |         |         |
|        |                    | 6229 FAHTNIESLVK[134]                         |          |         |         |
|        |                    | 6230 LSK[134]DPNIVIAK[134]                    |          |         |         |
|        |                    | 6231 YGVSGYPTLK                               |          |         |         |
|        |                    | 6232 LAPEYAAAATR                              |          |         |         |
|        |                    | 6233 ALEQFLQEYFDGNLKR                         |          |         |         |
|        |                    | 6234 IFRDGEEAGAYDGPR                          |          |         |         |
|        |                    | 6235 ELNDFISYLQR                              |          |         |         |
|        |                    | 6236 ELNDFISYLQR[162]                         |          |         |         |
|        |                    | 6237 GFPTIYFSPANK                             |          |         |         |

|        |                   |                                                 |          |         |         |
|--------|-------------------|-------------------------------------------------|----------|---------|---------|
|        |                   | 6238 IFR[162]DGEEAGAYDGPR[162]                  |          |         |         |
|        |                   | 6239 FISDK[134]DASVVGFFR[162]                   |          |         |         |
|        |                   | 6240 LAPEYAAAATR[162]                           |          |         |         |
|        |                   | 6241 LSKDPNIVIAK                                |          |         |         |
|        |                   | 6242 GFPTIYFSPANKK                              |          |         |         |
|        |                   | 6243 FVMQEEFSR                                  |          |         |         |
|        |                   | 6244 GFPTIYFSPANK[134]K[134]                    |          |         |         |
|        |                   | 6245 SEPIPESNEGPVK                              |          |         |         |
|        |                   | 6246 TADGIVSHLKK                                |          |         |         |
|        |                   | 6247 DLLTAYYDVDYEK[134]NAK[134]                 |          |         |         |
|        |                   | 6248 TADGIVSHLK[134]K[134]                      |          |         |         |
|        |                   | 6249 VDC[174]TANTNTC[174]NK[134]                |          |         |         |
|        |                   | 6250 VDC[174]TANTNTC[174]NK                     |          |         |         |
|        |                   | 6251 DLFSDGHSEFLK                               |          |         |         |
|        |                   | 6252 EATNPPIIQEEK[134]PK[134]                   |          |         |         |
|        |                   | 6253 DGEEAGAYDGPR                               |          |         |         |
|        |                   | 6254 EATNPPIIQEEKPK                             |          |         |         |
|        |                   | 6255 VDC[174]TANTNTC[174]NK[134]YGVSGYPTLK[134] |          |         |         |
|        |                   | 6256 FISDKDASVVGFFR                             |          |         |         |
|        |                   | 6257 LK[134]GIVPLAK[134]                        |          |         |         |
|        |                   | 6258 GSNYWR[162]                                |          |         |         |
|        |                   | 6259 YLK[134]SEPIPESNEGPVK[134]                 |          |         |         |
|        |                   | 6260 TADGIVSHLK[134]                            |          |         |         |
|        |                   | 6261 SEPIPESNEGPVK[134]                         |          |         |         |
| P31001 | P31001 DESM_MOUSE | Desmin - Mus musculus                           | -1.02236 | 0.05951 | 4.6908  |
|        |                   | 6262 TNEK[134]VELQELNDR[162]                    |          |         |         |
|        |                   | 6263 LLEGEESR[162]                              |          |         |         |
|        |                   | 6264 KLEGEESR                                   |          |         |         |
|        |                   | 6265 LLEGEESR                                   |          |         |         |
|        |                   | 6266 K[134]LLEGEESR[162]                        |          |         |         |
|        |                   | 6267 TNEKVELQELNDR                              |          |         |         |
| P39688 | P39688 FYN_MOUSE  | Proto-oncogene tyrosine-protein kinase Fyn - I  | 0.45164  | 0.39896 | 24.9534 |
|        |                   | 6268 AQFETLQQLVQHYSER                           |          |         |         |

|        |                   |                                                |          |         |         |
|--------|-------------------|------------------------------------------------|----------|---------|---------|
|        |                   | 6269 AQFETLQQLVQHYSER[162]                     |          |         |         |
|        |                   | 6270 LTEERDGSLNQSSGYR                          |          |         |         |
|        |                   | 6271 DGSLNQSSGYR[162]                          |          |         |         |
|        |                   | 6272 GSLLDFLKDGEGR                             |          |         |         |
|        |                   | 6273 DGSLNQSSGYR                               |          |         |         |
|        |                   | 6274 EVLEQVER[162]                             |          |         |         |
|        |                   | 6275 GSLLDFLK[134]DGEGR[162]                   |          |         |         |
|        |                   | 6276 QLLSFGNPR                                 |          |         |         |
|        |                   | 6277 K[134]LDNGGGYYITTR[162]                   |          |         |         |
|        |                   | 6278 TLKPGTMSPEFLEEAIQIMKK                     |          |         |         |
|        |                   | 6279 FQILNSSEGDWWEAR                           |          |         |         |
|        |                   | 6280 FQILNSSEGDWWEAR[162]                      |          |         |         |
|        |                   | 6281 KLDNGGGYYITTR                             |          |         |         |
|        |                   | 6282 LDNGGGYYITTR[162]                         |          |         |         |
|        |                   | 6283 FPIKWTAPEAALYGR                           |          |         |         |
|        |                   | 6284 TLK[134]PGTMSPEFLEEAIQIMK[134]            |          |         |         |
|        |                   | 6285 FPIK[134]WTAPEAALYGR[162]                 |          |         |         |
|        |                   | 6286 LTEER[162]DGSLNQSSGYR[162]                |          |         |         |
|        |                   | 6287 TLKPGTMSPEFLEEAIQIMK                      |          |         |         |
|        |                   | 6288 QLLSFGNPR[162]                            |          |         |         |
|        |                   | 6289 EVLEQVER                                  |          |         |         |
|        |                   | 6290 WTAPEAALYGR[162]                          |          |         |         |
|        |                   | 6291 TK[134]DVWEIPR[162]                       |          |         |         |
| P46660 | P46660 AINX_MOUSE | Alpha-internexin - Mus musculus                | -1.09045 | 0.04444 | 2.381   |
|        |                   | 6292 HLR[162]EYQDLLNVK[134]                    |          |         |         |
|        |                   | 6293 EYQDLLNVK[134]                            |          |         |         |
|        |                   | 6294 EYQDLLNVK                                 |          |         |         |
| P80313 | P80313 TCPH_MOUSE | T-complex protein 1 subunit eta - Mus musculus | 0.10370  | 0.84644 | 16.1765 |
|        |                   | 6295 SQDAEVGDGTTSVTLAAEFLK                     |          |         |         |
|        |                   | 6296 SQDAEVGDGTTSVTLAAEFLK[134]                |          |         |         |
|        |                   | 6297 QLC[174]DNAGFDATNILNK                     |          |         |         |
|        |                   | 6298 QLC[174]DNAGFDATNILNK[134]                |          |         |         |
|        |                   | 6299 TATQLAVNK                                 |          |         |         |

|        |                   |                                               |          |         |         |
|--------|-------------------|-----------------------------------------------|----------|---------|---------|
|        |                   | 6300 LLDVVHPAAK[134]                          |          |         |         |
|        |                   | 6301 TATQLAVNK[134]                           |          |         |         |
|        |                   | 6302 LLDVVHPAAK                               |          |         |         |
|        |                   | 6303 GGAEQFMEETER[162]                        |          |         |         |
|        |                   | 6304 STVDPPAPSAGR[162]                        |          |         |         |
|        |                   | 6305 ALEIIPR[162]                             |          |         |         |
|        |                   | 6306 ALEIIPR                                  |          |         |         |
| P80315 | P80315 TCPD_MOUSE | T-complex protein 1 subunit delta - Mus musci | -0.04372 | 0.93577 | 27.2727 |
|        |                   | 6307 DALSDLALHFLNK                            |          |         |         |
|        |                   | 6308 DALSDLALHFLNK[134]                       |          |         |         |
|        |                   | 6309 LGGTIDDC[174]ELVEGLVLTQK                 |          |         |         |
|        |                   | 6310 LGGTIDDC[174]ELVEGLVLTQK[134]            |          |         |         |
|        |                   | 6311 TLSGMESYC[174]VR[162]                    |          |         |         |
|        |                   | 6312 ALIAGGGAPEIELALR                         |          |         |         |
|        |                   | 6313 VVSQYSSLSPMSVNAVMK                       |          |         |         |
|        |                   | 6314 ALIAGGGAPEIELALR[162]                    |          |         |         |
|        |                   | 6315 GIHPTIISESFQK[134]                       |          |         |         |
|        |                   | 6316 VIDPATATSVDLR                            |          |         |         |
|        |                   | 6317 VIDPATATSVDLR[162]                       |          |         |         |
|        |                   | 6318 GKSAYQDRDKPAQIR                          |          |         |         |
|        |                   | 6319 SILK[134]IDDVVNTR[162]                   |          |         |         |
|        |                   | 6320 SILKIDDVVNTR                             |          |         |         |
|        |                   | 6321 SAYQDRDKPAQIR                            |          |         |         |
|        |                   | 6322 AYILNLVK[134]                            |          |         |         |
|        |                   | 6323 SAYQDR[162]DK[134]PAQIR[162]             |          |         |         |
|        |                   | 6324 FSNISAAK[134]                            |          |         |         |
| Q3U9G9 | Q3U9G9 LBR_MOUSE  | Lamin-B receptor - Mus musculus               | -0.15920 | 0.76919 | 3.6741  |
|        |                   | 6325 EIESEEQNLVTK[134]                        |          |         |         |
|        |                   | 6326 EIESEEQNLVTK                             |          |         |         |
|        |                   | 6327 VAEGTPLVDGR[162]                         |          |         |         |
| Q7TQ95 | Q7TQ95 LNP_MOUSE  | Protein lunapark - Mus musculus               | -0.06609 | 0.90304 | 5.6471  |
|        |                   | 6328 IVEYLVGDGPQNR[162]                       |          |         |         |
|        |                   | 6329 DASAPGGPPER                              |          |         |         |

|        |                    |                                                 |          |         |         |
|--------|--------------------|-------------------------------------------------|----------|---------|---------|
| Q920A5 | Q920A5 RISC_MOUSE  | 6330 DASAPGGPPER[162]                           | -0.18155 | 0.73790 | 15.9292 |
|        |                    | Retinoid-inducible serine carboxypeptidase pri  |          |         |         |
|        |                    | 6331 NTDGVNFYNILTK                              |          |         |         |
|        |                    | 6332 DLDTVASDMMVLLK                             |          |         |         |
|        |                    | 6333 ALYTDPK[134]                               |          |         |         |
|        |                    | 6334 DLDTVASDMMVLLK[134]                        |          |         |         |
|        |                    | 6335 NTDGVNFYNILTK[134]                         |          |         |         |
|        |                    | 6336 MAAGISVELYK[134]                           |          |         |         |
|        |                    | 6337 MAAGISVELYK                                |          |         |         |
|        |                    | 6338 EPEGKEVWDYVTVRK                            |          |         |         |
| Q61735 | Q61735 CD47_MOUSE  | 6339 EVWDYVTVRK                                 | 0.92425  | 0.08432 | 8.9109  |
|        |                    | 6340 SYENLAFYWILK[134]                          |          |         |         |
|        |                    | Leukocyte surface antigen CD47 precursor - M    |          |         |         |
|        |                    | 6341 ISVSDLINGIASLK                             |          |         |         |
|        |                    | 6342 ISVSDLINGIASLK[134]                        |          |         |         |
| O35474 | O35474 EDIL3_MOUSE | 6343 NVEAQSTEEMFVK                              | 1.14336  | 0.03273 | 9.5833  |
|        |                    | 6344 NVEAQSTEEMFVK[134]                         |          |         |         |
|        |                    | EGF-like repeat and discoidin I-like domain-cor |          |         |         |
|        |                    | 6345 GNVDNNTPYANSFTPIK[134]                     |          |         |         |
|        |                    | 6346 VTGVITQGAK[134]                            |          |         |         |
| P99024 | P99024 TBB5_MOUSE  | 6347 GNVDNNTPYANSFTPIK                          | -0.35008 | 0.51875 | 11.036  |
|        |                    | 6348 MELLGC[174]ELSGC[174]SEPLGMK               |          |         |         |
|        |                    | 6349 VTGVITQGAK                                 |          |         |         |
|        |                    | Tubulin beta-5 chain - Mus musculus             |          |         |         |
|        |                    | 6350 ALTVPELTQQVFDAK[134]                       |          |         |         |
|        |                    | 6351 ISVYYNEATGGK[134]                          |          |         |         |
|        |                    | 6352 ALTVPELTQQVFDAK                            |          |         |         |
|        |                    | 6353 ISVYYNEATGGK                               |          |         |         |
|        |                    | 6354 ISVYYNEATGGK[134]YVPR[162]                 |          |         |         |
|        |                    | 6355 ISVYYNEATGGKYVPR                           |          |         |         |
|        |                    | 6356 MAVTFIGNSTAIQELFK[134]                     |          |         |         |
|        |                    | 6357 MAVTFIGNSTAIQELFKR                         |          |         |         |
|        |                    | 6358 MAVTFIGNSTAIQELFK                          |          |         |         |

|        |                    |                                             |          |         |         |
|--------|--------------------|---------------------------------------------|----------|---------|---------|
| Q3UFK8 | Q3UFK8 FRMD8_MOUSE | 6359 MAVTFIGNSTAIQELFK[134]R[162]           | -0.36805 | 0.49751 | 22.103  |
|        |                    | FERM domain-containing protein 8 - Mus musc |          |         |         |
|        |                    | 6360 TGPGEQGLLNAYR[162]                     |          |         |         |
|        |                    | 6361 VQLGPYQPGQPAAC[174]TLR[162]            |          |         |         |
|        |                    | 6362 TGPGEQGLLNAYR                          |          |         |         |
|        |                    | 6363 NVFFPR[162]                            |          |         |         |
|        |                    | 6364 VQLGPYQPGQPAAC[174]TLR                 |          |         |         |
|        |                    | 6365 QLSSSQGSYTVVQPTDDSLEQS                 |          |         |         |
| P51863 | P51863 VA0D1_MOUSE | 6366 AADVLVYLADDTVVPLAVENLSSISAHELHR[162]   | 0.21908  | 0.68243 | 35.6125 |
|        |                    | 6367 LLYEEAK[134]GNVLTAR[162]               |          |         |         |
|        |                    | Vacuolar proton pump subunit d 1 - Mus musc |          |         |         |
|        |                    | 6368 LLFEGAGSNPGDK[134]                     |          |         |         |
|        |                    | 6369 LLFEGAGSNPGDK                          |          |         |         |
|        |                    | 6370 AK[134]IDNYIPF                         |          |         |         |
|        |                    | 6371 NVADYYPEYK[134]                        |          |         |         |
|        |                    | 6372 ADDYEQVKNVADYYPEYK                     |          |         |         |
|        |                    | 6373 LLFEGAGSNPGDKTLEDR                     |          |         |         |
|        |                    | 6374 LYPEGLAQLAR[162]                       |          |         |         |
|        |                    | 6375 AKLFPHC[174]GR                         |          |         |         |
|        |                    | 6376 LLFEGAGSNPGDK[134]TLEDR[162]           |          |         |         |
|        |                    | 6377 NVADYYPEYK                             |          |         |         |
|        |                    | 6378 ADDYEQVK[134]NVADYYPEYK[134]           |          |         |         |
|        |                    | 6379 FFEHEVK[134]LNK[134]                   |          |         |         |
|        |                    | 6380 FFEHEVKLNK                             |          |         |         |
|        |                    | 6381 NIVWIAEC[174]IAQR                      |          |         |         |
|        |                    | 6382 NIVWIAEC[174]IAQR[162]                 |          |         |         |
|        |                    | 6383 AK[134]LFPHC[174]GR[162]               |          |         |         |
|        |                    | 6384 AFIITINSFGTELSK                        |          |         |         |
|        |                    | 6385 LFPHC[174]GR                           |          |         |         |
|        |                    | 6386 AFIITINSFGTELSK[134]                   |          |         |         |
|        |                    | 6387 TLEDR[162]FFEHEVK[134]                 |          |         |         |
|        |                    | 6388 ADDYEQVK                               |          |         |         |
|        |                    | 6389 FFEHEVK                                |          |         |         |

|        |                    |                                                |          |         |         |
|--------|--------------------|------------------------------------------------|----------|---------|---------|
|        |                    | 6390 SIAELVPK[134]                             |          |         |         |
|        |                    | 6391 ADDYEQVK[134]                             |          |         |         |
|        |                    | 6392 FFEHEVK[134]                              |          |         |         |
|        |                    | 6393 AYLESFYK[134]                             |          |         |         |
|        |                    | 6394 AKLFPHC[174]GR[162]                       |          |         |         |
|        |                    | 6395 MVVEFR                                    |          |         |         |
|        |                    | 6396 LYPEGLAQLAR                               |          |         |         |
|        |                    | 6397 AKIDNYIPIF                                |          |         |         |
|        |                    | 6398 AYLESFYK                                  |          |         |         |
| P15331 | P15331 PERI_MOUSE  | Peripherin - Mus musculus                      | -1.02170 | 0.05967 | 2.5263  |
|        |                    | 6399 NLQEAEWYK[134]                            |          |         |         |
|        |                    | 6400 NLQEAEWYK                                 |          |         |         |
|        |                    | 6401 NLQEAEWYK[134]SK[134]                     |          |         |         |
|        |                    | 6402 NLQEAEWYKSK                               |          |         |         |
| P40124 | P40124 CAP1_MOUSE  | Adenylyl cyclase-associated protein 1 - Mus m  | 0.47173  | 0.37831 | 28.27   |
|        |                    | 6403 ALLATASQC[174]QQPAGNK                     |          |         |         |
|        |                    | 6404 ALLATASQC[174]QQPAGNK[134]                |          |         |         |
|        |                    | 6405 SGPKPFSAPKPQTSPSPKATK                     |          |         |         |
|        |                    | 6406 VENQENVSNLVIDDTLK[134]                    |          |         |         |
|        |                    | 6407 NSLDC[174]EIVSAK                          |          |         |         |
|        |                    | 6408 NSLDC[174]EIVSAK[134]                     |          |         |         |
|        |                    | 6409 EMNDAAMFYTNR                              |          |         |         |
|        |                    | 6410 SALFAQINQGESITHALK[134]                   |          |         |         |
|        |                    | 6411 SALFAQINQGESITHALK                        |          |         |         |
|        |                    | 6412 HVSDDMKTHKNPALK                           |          |         |         |
|        |                    | 6413 GAVPYVQAFDSLLANPVAEYLK                    |          |         |         |
|        |                    | 6414 GAVPYVQAFDSLLANPVAEYLK[134]               |          |         |         |
| P62814 | P62814 VATB2_MOUSE | Vacuolar ATP synthase subunit B, brain isoform | -0.85256 | 0.11608 | 52.8376 |
|        |                    | 6415 AVVQVFEGTSGIDAK[134]                      |          |         |         |
|        |                    | 6416 AVVQVFEGTSGIDAK                           |          |         |         |
|        |                    | 6417 TPVSEDMGLR[162]                           |          |         |         |
|        |                    | 6418 SGQVLEVSGSK[134]                          |          |         |         |
|        |                    | 6419 QIYPPINVLPSLSR[162]                       |          |         |         |

6420 SGQVLEVSGSK  
 6421 SAIGEGMTR[162]  
 6422 GFPGYMYTDLATIYER  
 6423 GFPGYMYTDLATIYER[162]  
 6424 IYPEEMIQTGISAIDGMNSIAR[162]  
 6425 IPIFSAAGLPHNEIAAQIC[174]R[162]  
 6426 IYPEEMIQTGISAIDGMNSIAR  
 6427 YAEIVHLTLPDGTKR  
 6428 TVSGVNGPLVILDHVK[134]FPR[162]  
 6429 LALTTAEFLAYQC[174]EK[134]  
 6430 TVYETLDIGWQLLR[162]  
 6431 IPQSTLSEFYPR[162]  
 6432 TPVSEDMLGR  
 6433 GIVNGAAPELPVPTGGPMAGAR[162]  
 6434 TVYETLDIGWQLLR  
 6435 AVVGEEALTSDDLLYLEFLQK  
 6436 IPQSTLSEFYPR  
 6437 YAEIVHLTLPDGTK[134]R[162]  
 6438 R[162]IPQSTLSEFYPR[162]  
 6439 QIYPPINVLPSLSR  
 6440 K[134]TSC[174]EFTGDILR[162]  
 6441 NFITQGPYENR  
 6442 TVSGVNGPLVILDHVK[134]  
 6443 TSC[174]EFTGDILR[162]  
 6444 AVVGEEALTSDDLLYLEFLQKFEK  
 6445 AVVGEEALTSDDLLYLEFLQK[134]FEK[134]  
 6446 EQALAVSR  
 6447 NFITQGPYENR[162]  
 6448 TLVLIGASGVGR[162]  
 6449 IAILDIEPQTLK  
 6450 IAILDIEPQTLK[134]  
 6451 ESAGLIPSELQEWR[162]

|        |                   |                                             |          |         |        |
|--------|-------------------|---------------------------------------------|----------|---------|--------|
| P70290 | P70290 EM55_MOUSE | 55 kDa erythrocyte membrane protein - Mus r | -1.02170 | 0.05967 | 16.309 |
|--------|-------------------|---------------------------------------------|----------|---------|--------|



|        |                    |                                              |          |         |         |
|--------|--------------------|----------------------------------------------|----------|---------|---------|
|        |                    | 6452 LPALQMFMR[162]                          |          |         |         |
|        |                    | 6453 TAEISPFIVFIAPTDQGTQTEALQQLQK[134]       |          |         |         |
| Q64281 | Q64281 LIRB4_MOUSE | Leukocyte immunoglobulin-like receptor subfa | -0.25132 | 0.64320 | 10.4478 |
|        |                    | 6454 SVNPWDQVPLETR[162]                      |          |         |         |
|        |                    | 6455 SVNPWDQVPLETR                           |          |         |         |
|        |                    | 6456 DTAC[174]K[134]ETQDVTYAQLC[174]IR[162]  |          |         |         |
|        |                    | 6457 DTAC[174]KETQDVTYAQLC[174]IR            |          |         |         |
|        |                    | 6458 LQKDTAC[174]KETQDVTYAQLC[174]IR         |          |         |         |
| Q8C522 | Q8C522 ENDD1_MOUSE | Endonuclease domain-containing 1 protein pr  | -0.85664 | 0.11434 | 6.3872  |
|        |                    | 6459 ILEVVNQVQDEER                           |          |         |         |
|        |                    | 6460 ILEVVNQVQDEER[162]                      |          |         |         |
|        |                    | 6461 IPVFSAFR[162]                           |          |         |         |
|        |                    | 6462 MSPLASTQSQR                             |          |         |         |
|        |                    | 6463 MSPLASTQSQR[162]                        |          |         |         |
| Q91YW3 | Q91YW3 DNJC3_MOUSE | DnaJ homolog subfamily C member 3 - Mus m    | 4.48370  | 0.00000 | 20.2381 |
|        |                    | 6464 KKFDDGEDPLDAESQGGGGNPFHR                |          |         |         |
|        |                    | 6465 LIESAEELIR                              |          |         |         |
|        |                    | 6466 TEPSVAEYTVR                             |          |         |         |
|        |                    | 6467 IC[174]SEVLQMEPDNVNALKDR                |          |         |         |
|        |                    | 6468 EVLSDPEMR                               |          |         |         |
|        |                    | 6469 SNPSEQEEKEAESQLVK                       |          |         |         |
|        |                    | 6470 LKSDNTEAFYK                             |          |         |         |
| Q8BG60 | Q8BG60 TXNIP_MOUSE | Thioredoxin-interacting protein - Mus muscul | -0.15920 | 0.76919 | 6.801   |
|        |                    | 6471 VILDPLVIGSR[162]                        |          |         |         |
|        |                    | 6472 VILDPLVIGSR                             |          |         |         |
|        |                    | 6473 FGFELPQGPLGTSFK                         |          |         |         |
|        |                    | 6474 FGFELPQGPLGTSFK[134]                    |          |         |         |
| Q7TMM9 | Q7TMM9 TBB2A_MOUSE | Tubulin beta-2A chain - Mus musculus         | -0.35403 | 0.51404 | 45.1685 |
|        |                    | 6475 AILVDLEPGTMDSVR[162]                    |          |         |         |
|        |                    | 6476 NSSYFVEWIPNNVK[134]                     |          |         |         |
|        |                    | 6477 NSSYFVEWIPNNVK                          |          |         |         |
|        |                    | 6478 GHYTEGAELVDSVLDVVRK                     |          |         |         |
|        |                    | 6479 GHYTEGAELVDSVLDVVR[162]K[134]           |          |         |         |

6480 LTTPTYGDLNHLVSATMSGVTTC[174]LR[162]  
 6481 GSPFGQIFRPDNFVFGQSGAGNNWAK  
 6482 GSPFGQIFR[162]PDNFVFGQSGAGNNWAK[134]  
 6483 AILVDLEPGTMDSVR  
 6484 LAVNMVPFPR[162]  
 6485 NMMAAC[174]DPR[162]  
 6486 GHYTEGAELVDSVLDVVR[162]  
 6487 LAVNMVPFPR  
 6488 LHFFMPGFAPLTSR[162]  
 6489 ALTVPELTQQMFDSK[134]  
 6490 LHFFMPGFAPLTSR  
 6491 LTTPTYGDLNHLVSATMSGVTTC[174]LR  
 6492 GHYTEGAELVDSVLDVVR  
 6493 EVDEQMLNVQNK  
 6494 TAVC[174]DIPPR[162]  
 6495 EVDEQMLNVQNK[134]  
 6496 FPGQLNADLR[162]  
 6497 FPGQLNADLR  
 6498 ALTVPELTQQMFDSK  
 6499 NMMAAC[174]DPR  
 6500 ISEQFTAMFR[162]  
 6501 LAVNMVPFPR[LHFFMPGFAPLTSR  
 6502 LAVNMVPFPR[162]LHFFMPGFAPLTSR[162]  
 6503 K[134]LAVNMVPFPR[162]LHFFMPGFAPLTSR[162]  
 6504 MSMK[134]EVDEQMLNVQNK[134]  
 6505 FPGQLNADLR[162]K[134]  
 6506 IR[162]EEYPDR[162]  
 6507 ISEQFTAMFR  
 6508 SMLQATAEANNLAAAASAK[134]  
 6509 GGSDPETTGIIWSEVFTVK  
 6510 GGSDPETTGIIWSEVFTVK[134]  
 6511 IYQGEDLPHPK[134]

|        |                    |                           |          |         |         |
|--------|--------------------|---------------------------|----------|---------|---------|
| Q91YH5 | Q91YH5 ATLA3_MOUSE | Atlastin-3 - Mus musculus | -0.51150 | 0.34578 | 19.7782 |
|--------|--------------------|---------------------------|----------|---------|---------|

|        |                    |                                          |         |         |         |
|--------|--------------------|------------------------------------------|---------|---------|---------|
|        |                    | 6512 DAVVGR[162]PPADK[134]K[134]         |         |         |         |
|        |                    | 6513 ELGGAIDSGAAYVLEQASSHIGNSTQAAVR[162] |         |         |         |
|        |                    | 6514 LHVK[134]EHQHEEIQNVR[162]           |         |         |         |
|        |                    | 6515 LHVKEHQHEEIQNVR                     |         |         |         |
| P97384 | P97384 ANX11_MOUSE | Annexin A11 - Mus musculus               | 0.55789 | 0.29745 | 36.1829 |
|        |                    | 6516 GTITAASGFDPLRDAEVLRL                |         |         |         |
|        |                    | 6517 GTITAASGFDPLR[162]DAEVLRL[162]      |         |         |         |
|        |                    | 6518 DVQELYAAGENR                        |         |         |         |
|        |                    | 6519 DVQELYAAGENR[162]                   |         |         |         |
|        |                    | 6520 GAGTDEAC[174]LIEIFASR[162]          |         |         |         |
|        |                    | 6521 GFGTDEQAIIDC[174]LGSR               |         |         |         |
|        |                    | 6522 GFGTDEQAIIDC[174]LGSR[162]          |         |         |         |
|        |                    | 6523 GAGTDEAC[174]LIEIFASR               |         |         |         |
|        |                    | 6524 TPVLFDVYEIK                         |         |         |         |
|        |                    | 6525 SLYHDITGDTSGDYRK                    |         |         |         |
|        |                    | 6526 TPVLFDVYEIK[134]                    |         |         |         |
|        |                    | 6527 SLYHDITGDTSGDYR[162]K[134]          |         |         |         |
|        |                    | 6528 LGTDESK[134]FNAILC[174]SR[162]      |         |         |         |
|        |                    | 6529 NTPAFFAER[162]                      |         |         |         |
|        |                    | 6530 GTITAASGFDPLRDAEVLRLK               |         |         |         |
|        |                    | 6531 AYK[134]TEFQK[134]                  |         |         |         |
|        |                    | 6532 NTPAFFAER                           |         |         |         |
|        |                    | 6533 TLEEAIRSDTSGHFQR                    |         |         |         |
|        |                    | 6534 TLEEAIR[162]SDTSGHFQR[162]          |         |         |         |
|        |                    | 6535 TPVLFDVYEIKEAIK                     |         |         |         |
|        |                    | 6536 AMKGFGTDEQAIIDC[174]LGSR            |         |         |         |
|        |                    | 6537 LGTDESKFNAILC[174]SR                |         |         |         |
|        |                    | 6538 TPVLFDVYEIK[134]EAIK[134]           |         |         |         |
|        |                    | 6539 EMSGDLEQGMLAVVK[134]                |         |         |         |
|        |                    | 6540 AHLVAVFNEYQR[162]                   |         |         |         |
|        |                    | 6541 EMSGDLEQGMLAVVK                     |         |         |         |
|        |                    | 6542 SR[162]AHLVAVFNEYQR[162]            |         |         |         |
|        |                    | 6543 GTITAASGFDPLR[162]                  |         |         |         |

|        |                    |                                            |          |         |         |
|--------|--------------------|--------------------------------------------|----------|---------|---------|
|        |                    | 6544 GTITAASGFDPLR                         |          |         |         |
|        |                    | 6545 TILALMK[134]                          |          |         |         |
| P27659 | P27659 RL3_MOUSE   | 60S ribosomal protein L3 - Mus musculus    | -0.57441 | 0.28970 | 26.3027 |
|        |                    | 6546 NNASTDYDLSDK[134]                     |          |         |         |
|        |                    | 6547 HGSLGFLPR[162]                        |          |         |         |
|        |                    | 6548 DDASK[134]PVHLTAFLGYK[134]            |          |         |         |
|        |                    | 6549 NNASTDYDLSDK                          |          |         |         |
|        |                    | 6550 HGSLGFLPR                             |          |         |         |
|        |                    | 6551 SFPK[134]DDASK[134]PVHLTAFLGYK[134]   |          |         |         |
|        |                    | 6552 IGQGYLIK[134]DGK[134]                 |          |         |         |
|        |                    | 6553 ER[162]LEQQVPVNQVFGQDEMIDVIGVTK[134]  |          |         |         |
|        |                    | 6554 KAFMGPLKK                             |          |         |         |
|        |                    | 6555 K[134]AFMGPLK[134]K[134]              |          |         |         |
|        |                    | 6556 LEQQVPVNQVFGQDEMIDVIGVTK[134]         |          |         |         |
|        |                    | 6557 SFPKDDASKPVHLTAFLGYK                  |          |         |         |
|        |                    | 6558 VAC[174]IGAWHPAR[162]                 |          |         |         |
|        |                    | 6559 IGQGYLIK[134]                         |          |         |         |
|        |                    | 6560 AGMTHIVR[162]                         |          |         |         |
| P06745 | P06745 G6PI_MOUSE  | Glucose-6-phosphate isomerase - Mus muscul | 0.06319  | 0.90605 | 5.7348  |
|        |                    | 6561 ILLANFLAQTEALMK[134]                  |          |         |         |
|        |                    | 6562 ILLANFLAQTEALMK                       |          |         |         |
|        |                    | 6563 TLASLSPETSLFIIASK                     |          |         |         |
|        |                    | 6564 TLASLSPETSLFIIASK[134]                |          |         |         |
| P68372 | P68372 TBB2C_MOUSE | Tubulin beta-2C chain - Mus musculus       | -0.36618 | 0.49971 | 24.2697 |
|        |                    | 6565 ALTVPELTQQMFDAK[134]                  |          |         |         |
|        |                    | 6566 IMNTFSVVPSPK[134]                     |          |         |         |
|        |                    | 6567 INVYYNEATGGK                          |          |         |         |
|        |                    | 6568 AVLVDLEPGTMDSVR[162]                  |          |         |         |
|        |                    | 6569 ALTVPELTQQMFDAK                       |          |         |         |
|        |                    | 6570 IMNTFSVVPSPK                          |          |         |         |
|        |                    | 6571 INVYYNEATGGK[134]                     |          |         |         |
|        |                    | 6572 AVLVDLEPGTMDSVR                       |          |         |         |
|        |                    | 6573 YLTVAAVFR[162]                        |          |         |         |

|        |                    |                                                            |          |         |         |
|--------|--------------------|------------------------------------------------------------|----------|---------|---------|
|        |                    | 6574 YLTVAAVFR                                             |          |         |         |
|        |                    | 6575 INVYYNEATGGK[134]YVPR[162]                            |          |         |         |
|        |                    | 6576 INVYYNEATGGKYVPR                                      |          |         |         |
|        |                    | 6577 IR[162]EEYPDR[162]IMNTFSVVPSPK[134]                   |          |         |         |
|        |                    | 6578 EAESC[174]DC[174]LQGFQLTHSLGGGTGSGMGTLLISK[134]       |          |         |         |
|        |                    | 6579 K[134]EAESC[174]DC[174]LQGFQLTHSLGGGTGSGMGTLLISK[134] |          |         |         |
| P81117 | P81117 NUCB2_MOUSE | Nucleobindin-2 precursor - Mus musculus                    | -0.95168 | 0.07940 | 9.7619  |
|        |                    | 6580 AATADLEQYDR[162]                                      |          |         |         |
|        |                    | 6581 LHDVNNDGFLDEQELEALFTR[162]                            |          |         |         |
|        |                    | 6582 AATADLEQYDR                                           |          |         |         |
|        |                    | 6583 LVTLEEFLLR[162]                                       |          |         |         |
|        |                    | 6584 LVTLEEFLLR                                            |          |         |         |
|        |                    | 6585 LHDVNNDGFLDEQELEALFTR                                 |          |         |         |
| Q2TBE6 | Q2TBE6 P4K2A_MOUSE | Phosphatidylinositol 4-kinase type 2-alpha - M             | 0.09670  | 0.85668 | 65.9708 |
|        |                    | 6586 QAEVAIEC[174]SIYPER[162]                              |          |         |         |
|        |                    | 6587 SASESYTQSFQSR[162]                                    |          |         |         |
|        |                    | 6588 SASESYTQSFQSR                                         |          |         |         |
|        |                    | 6589 LVVLDYIIR[162]                                        |          |         |         |
|        |                    | 6590 LVVLDYIIR                                             |          |         |         |
|        |                    | 6591 IYQGSSGSYFVK[134]                                     |          |         |         |
|        |                    | 6592 QAEVAIEC[174]SIYPER                                   |          |         |         |
|        |                    | 6593 LELNIVPR                                              |          |         |         |
|        |                    | 6594 LELNIVPR[162]                                         |          |         |         |
|        |                    | 6595 QLLLQFER                                              |          |         |         |
|        |                    | 6596 AYPFYWAWLPQAK[134]                                    |          |         |         |
|        |                    | 6597 IYQGSSGSYFVK[134]DSQGR[162]                           |          |         |         |
|        |                    | 6598 VVYLASETFNYSIDR[162]                                  |          |         |         |
|        |                    | 6599 GAAAQGQTHTVAVQAQALAAQAavaahAVQTHR                     |          |         |         |
|        |                    | 6600 GQILNLTQALKDNKSPLHLVQMPPVIVETAR                       |          |         |         |
|        |                    | 6601 YDC[174]PMDNSSC[174]R[162]                            |          |         |         |
|        |                    | 6602 YDC[174]PMDNSSC[174]R                                 |          |         |         |
|        |                    | 6603 GQILNLTQALK[134]                                      |          |         |         |
|        |                    | 6604 FEAELPENTNR                                           |          |         |         |

6605 VAAAAGSGSPSPC[174]SPGHDR[162]ER[162]  
 6606 R[162]FEAEPLPENTNR[162]  
 6607 VAAAAGSGSPSPC[174]SPGHDRER  
 6608 IYQGSSGSYFVK  
 6609 VAAAAGSGSPSPC[174]SPGHDR  
 6610 FEAEPLPENTNR[162]  
 6611 RFEAEPLPENTNR  
 6612 KPFFSWW  
 6613 ER[162]NDFPEDPEFEVVVR[162]  
 6614 VAAAAGSGSPSPC[174]SPGHDR[162]  
 6615 ERNDFPEDPEFEVVVR  
 6616 NDFPEDPEFEVVVR  
 6617 VPFSQEIK[134]DLILPK[134]  
 6618 SPLHLVQMPPVIVETAR  
 6619 NDFPEDPEFEVVVR[162]  
 6620 VPFSQEIKDLILPK  
 6621 SPLHLVQMPPVIVETAR[162]  
 6622 VGSFQLFVEGYK[134]DADYWLR[162]  
 6623 GQILNLTQALKDNK  
 6624 RDPGFDRGQFHK  
 6625 K[134]PFFSWW  
 6626 LALEK[134]VPK[134]  
 6627 IVAVFK[134]PK[134]  
 6628 IYQGSSGSYFVKDSQGR  
 6629 QLLQFER[162]  
 6630 GQILNLTQALK  
 6631 AYPFYWAWLPQAK  
 6632 AQPPEYTFPSGSGAHFPQVPGGAVR[162]  
 6633 IVAVFKPK

|        |                    |                                               |         |         |        |
|--------|--------------------|-----------------------------------------------|---------|---------|--------|
| Q61029 | Q61029 LAP2B_MOUSE | Lamina-associated polypeptide 2 isoforms bet: | 0.54862 | 0.30555 | 6.1947 |
|        |                    | 6634 IDGAVISESTPIAETIK                        |         |         |        |
|        |                    | 6635 IDGAVISESTPIAETIK[134]                   |         |         |        |
|        |                    | 6636 ASSNESLVANR[162]                         |         |         |        |

|        |                    |                                              |          |         |         |
|--------|--------------------|----------------------------------------------|----------|---------|---------|
|        |                    | 6637 ASSNESLVANR                             |          |         |         |
| Q80VQ0 | Q80VQ0 AL3B1_MOUSE | Aldehyde dehydrogenase 3B1 - Mus musculus    | -0.91649 | 0.09116 | 21.5812 |
|        |                    | 6638 FYGDNPQTSPNLGR[162]                     |          |         |         |
|        |                    | 6639 NPC[174]YVDDNC[174]DPQIVANR[162]        |          |         |         |
|        |                    | 6640 FYGDNPQTSPNLGR                          |          |         |         |
|        |                    | 6641 AAQLQGLSHFLR[162]                       |          |         |         |
|        |                    | 6642 FSFDTFSNQR[162]                         |          |         |         |
|        |                    | 6643 NLATQLDSAFIR[162]                       |          |         |         |
|        |                    | 6644 ILAEVLPR[162]                           |          |         |         |
|        |                    | 6645 VAIGGQSDEGER                            |          |         |         |
|        |                    | 6646 ILAEVLPR                                |          |         |         |
|        |                    | 6647 VAIGGQSDEGER[162]                       |          |         |         |
|        |                    | 6648 DNKQQLQEALAQDLHK                        |          |         |         |
|        |                    | 6649 DNK[134]QQLQEALAQDLHK[134]              |          |         |         |
| Q8BLF1 | Q8BLF1 ADCL1_MOUSE | Arylacetamide deacetylase-like 1 - Mus muscu | -0.38797 | 0.47454 | 19.8529 |
|        |                    | 6650 VTDTDFDGVVEVR[162]                      |          |         |         |
|        |                    | 6651 VGISGDSAGGNLAAALGQQFTYVASLK[134]        |          |         |         |
|        |                    | 6652 IVQEIPQLLDAAASPLIAEQEVLEALPK[134]       |          |         |         |
|        |                    | 6653 VFEGSPK[134]PEEPLR[162]R[162]           |          |         |         |
|        |                    | 6654 VTDTDFDGVVEVR                           |          |         |         |
|        |                    | 6655 IVQEIPQLLDAAASPLIAEQEVLEALPK            |          |         |         |
| Q8BVE3 | Q8BVE3 VATH_MOUSE  | Vacuolar proton pump subunit H - Mus muscu   | -0.67377 | 0.21427 | 19.2547 |
|        |                    | 6656 QLQSEQPQTAAAR[162]                      |          |         |         |
|        |                    | 6657 GAVDAAVPTNIIAAK[134]                    |          |         |         |
|        |                    | 6658 LLEVSDDPQVLAVAAHDVGEYVR[162]            |          |         |         |
|        |                    | 6659 GAVDAAVPTNIIAAK                         |          |         |         |
|        |                    | 6660 SSEDKQEMLQTEGSQC[174]AK                 |          |         |         |
|        |                    | 6661 QLQSEQPQTAAAR                           |          |         |         |
|        |                    | 6662 QLVNMNHHHEDQQVR[162]                    |          |         |         |
|        |                    | 6663 YNALLAVQK                               |          |         |         |
| Q8C0C7 | Q8C0C7 SYFA_MOUSE  | Phenylalanyl-tRNA synthetase alpha chain - M | -0.15920 | 0.76919 | 4.9213  |
|        |                    | 6664 SLQALGEVIEAELR[162]                     |          |         |         |
|        |                    | 6665 LQLVQAGQAEK                             |          |         |         |

|        |                    |                                                |          |         |         |
|--------|--------------------|------------------------------------------------|----------|---------|---------|
|        |                    | 6666 LQLVQAGQAEK[134]                          |          |         |         |
| Q8CBQ5 | Q8CBQ5 P4K2B_MOUSE | Phosphatidylinositol 4-kinase type 2-beta - Mu | 0.40039  | 0.45460 | 8.3156  |
|        |                    | 6667 GQILNLTQALR[162]                          |          |         |         |
|        |                    | 6668 VPFSEETR                                  |          |         |         |
|        |                    | 6669 LVILDYIIR[162]                            |          |         |         |
|        |                    | 6670 LVILDYIIR                                 |          |         |         |
|        |                    | 6671 SEEPYGQLNPK[134]                          |          |         |         |
|        |                    | 6672 GQILNLTQALR                               |          |         |         |
|        |                    | 6673 VPFSEETR[162]                             |          |         |         |
| Q8CFD4 | Q8CFD4 SNX8_MOUSE  | Sorting nexin-8 - Mus musculus                 | -0.63982 | 0.23826 | 7.1895  |
|        |                    | 6674 SPQEDGVC[174]PH                           |          |         |         |
|        |                    | 6675 HVEYEVSSQR[162]                           |          |         |         |
|        |                    | 6676 AIDNAADLLIFGK[134]                        |          |         |         |
| Q8R0X7 | Q8R0X7 SGPL1_MOUSE | Sphingosine-1-phosphate lyase 1 - Mus muscu    | -0.81816 | 0.13154 | 13.3803 |
|        |                    | 6677 TLPAQGMGTAEVLER[162]                      |          |         |         |
|        |                    | 6678 LK[134]DFEPYLEILESYSTK[134]               |          |         |         |
|        |                    | 6679 GVTSISADTHK[134]                          |          |         |         |
|        |                    | 6680 K[134]LEAEIVR[162]                        |          |         |         |
|        |                    | 6681 TLPAQGMGTAEVLER                           |          |         |         |
|        |                    | 6682 LKDFEPYLEILESYSTK                         |          |         |         |
|        |                    | 6683 NTAMLVC[174]STPQFPHGVMDPVPEVAK[134]       |          |         |         |
| Q922F4 | Q922F4 TBB6_MOUSE  | Tubulin beta-6 chain - Mus musculus            | -0.18345 | 0.73526 | 11.6331 |
|        |                    | 6684 SGPFQQLFR[162]PDNFIFGQTGAGNNWAK[134]      |          |         |         |
|        |                    | 6685 AALVDLEPGTMDSVR[162]                      |          |         |         |
|        |                    | 6686 ISVYYNESSSK[134]                          |          |         |         |
|        |                    | 6687 AALVDLEPGTMDSVR                           |          |         |         |
| Q9CY58 | Q9CY58 PAIRB_MOUSE | Plasminogen activator inhibitor 1 RNA-binding  | -0.11490 | 0.83227 | 32.6781 |
|        |                    | 6688 SAAQAAAQTSNAAGK                           |          |         |         |
|        |                    | 6689 SAAQAAAQTSNAAGK[134]                      |          |         |         |
|        |                    | 6690 FDQLFDESDFEVLK                            |          |         |         |
|        |                    | 6691 FDQLFDESDFEVLK[134]                       |          |         |         |
|        |                    | 6692 RPDQQLQGDGKLIDR                           |          |         |         |
|        |                    | 6693 SEEHAEDSVMDHHFR                           |          |         |         |



|        |                    |                                              |          |         |         |
|--------|--------------------|----------------------------------------------|----------|---------|---------|
|        |                    | 6694 SKSEEHAEDSVMDHHFR                       |          |         |         |
|        |                    | 6695 SK[134]SEEHAEDSVMDHHFR[162]             |          |         |         |
|        |                    | 6696 SEEHAEDSVMDHHFR[162]                    |          |         |         |
|        |                    | 6697 SSASAPDVDDPEAFPALA                      |          |         |         |
|        |                    | 6698 SSFSHYSLKHEDKR                          |          |         |         |
|        |                    | 6699 VGRRPDQQLQGDGKLIDR                      |          |         |         |
|        |                    | 6700 TDKSSASAPDVDDPEAFPALA                   |          |         |         |
|        |                    | 6701 TDK[134]SSASAPDVDDPEAFPALA              |          |         |         |
|        |                    | 6702 SSFSHYSLK[134]HEDK[134]R[162]           |          |         |         |
|        |                    | 6703 VGRRPDQQLQGDGK                          |          |         |         |
|        |                    | 6704 RFEKPLEEK                               |          |         |         |
|        |                    | 6705 AK[134]VEFNIR[162]                      |          |         |         |
|        |                    | 6706 K[134]PNEGADGQWK[134]K[134]             |          |         |         |
| Q9JIY0 | Q9JIY0 PKHO1_MOUSE | Pleckstrin homology domain-containing family | -0.63982 | 0.23826 | 43.6275 |
|        |                    | 6707 DTAPARPLHLQAEESLPPVPAQPGQLSR            |          |         |         |
|        |                    | 6708 LLGEASSNWSQAK                           |          |         |         |
|        |                    | 6709 LLGEASSNWSQAK[134]                      |          |         |         |
|        |                    | 6710 TQELLAEVQGLGDGK[134]                    |          |         |         |
|        |                    | 6711 C[174]ASLEEILSQR[162]                   |          |         |         |
|        |                    | 6712 NSQEVFDLSDYEK[134]                      |          |         |         |
|        |                    | 6713 TQELLAEVQGLGDGK                         |          |         |         |
|        |                    | 6714 ILDEVTVEEDSYLAHPTR[162]                 |          |         |         |
|        |                    | 6715 C[174]ASLEEILSQR                        |          |         |         |
|        |                    | 6716 ILDEVTVEEDSYLAHPTR                      |          |         |         |
|        |                    | 6717 SVAQLAGSR[162]                          |          |         |         |
|        |                    | 6718 DTAPAR[162]PLHLQAEESLPPVPAQPGQLSR[162]  |          |         |         |
|        |                    | 6719 R[162]GPPDGNHQSAAPEK[134]               |          |         |         |
|        |                    | 6720 AKDPPQSPPDSESEQLLETER                   |          |         |         |
|        |                    | 6721 RADSDRIQPSSQR                           |          |         |         |
|        |                    | 6722 TQELLAEVQGLGDGK[134]R[162]              |          |         |         |
|        |                    | 6723 QMDLQTPDSHLR[162]                       |          |         |         |
|        |                    | 6724 KAKDPPQSPPDSESEQLLETER                  |          |         |         |
|        |                    | 6725 IQDLVAR[162]                            |          |         |         |

|        |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |         |         |
|--------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------|---------|
| O35737 | O35737 HNRH1_MOUSE | Heterogeneous nuclear ribonucleoprotein H -<br>6726 STGEAFVQFASQEIAEK[134]<br>6727 ATENDIYNFFSPLNPVR[162]<br>6728 STGEAFVQFASQEIAEK<br>6729 HTGPNSPDTANDGFVR[162]                                                                                                                                                                                                                                                                                                            | -0.15920 | 0.76919 | 11.1359 |
| O88685 | O88685 PRS6A_MOUSE | 26S protease regulatory subunit 6A - Mus mus<br>6730 QTYFLPVIGLVDAEK[134]<br>6731 QTYFLPVIGLVDAEK<br>6732 VIAATNR[162]VDILDPALLR[162]<br>6733 LAGPQLVQMFIGDGAK[134]                                                                                                                                                                                                                                                                                                          | 0.11269  | 0.83331 | 10.8597 |
| P20060 | P20060 HEXB_MOUSE  | Beta-hexosaminidase beta chain precursor - N<br>6734 TVTDLENAYK[134]R[162]<br>6735 GSYSLSHVYTPNDVR[162]<br>6736 NLLTPC[174]YNQK<br>6737 GSYSLSHVYTPNDVR<br>6738 MVLEYAR[162]<br>6739 NLLTPC[174]YNQK[134]<br>6740 TVTDLENAYKR<br>6741 GIAAQPLYTGYC[174]NYENKI<br>6742 GIAAQPLYTGYC[174]NYENK[134]I<br>6743 NYK[134]VEPLNFEGSEK[134]<br>6744 NYKVEPLNFEGSEK<br>6745 SEHYSYELK[134]<br>6746 VIPEFDTPGHTQSWGK<br>6747 ANSVWGALR[162]<br>6748 SEHYSYELK<br>6749 VEPLNFEGSEK[134] | 0.62918  | 0.23997 | 20.5224 |
| P47740 | P47740 AL3A2_MOUSE | Fatty aldehyde dehydrogenase - Mus musculu:<br>6750 VMQEEIFGPILPIVSVK<br>6751 VMQEEIFGPILPIVSVK[134]<br>6752 YLAPTILTDVDPNSK[134]<br>6753 IAFGGEMDEATR[162]                                                                                                                                                                                                                                                                                                                  | 0.00000  | 1.00000 | 9.0909  |
| P80314 | P80314 TCPB_MOUSE  | T-complex protein 1 subunit beta - Mus muscu                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.22850  | 0.66956 | 28.0374 |

|        |                    |                                                 |          |         |         |
|--------|--------------------|-------------------------------------------------|----------|---------|---------|
|        |                    | 6754 LSSFIGAIAIGDLVK[134]                       |          |         |         |
|        |                    | 6755 MLPTIADNAGYDSADLVAQLR[162]                 |          |         |         |
|        |                    | 6756 VQDDEVGDGTTSVTLAAELLR                      |          |         |         |
|        |                    | 6757 VQDDEVGDGTTSVTLAAELLR[162]                 |          |         |         |
|        |                    | 6758 LSSFIGAIAIGDLVK                            |          |         |         |
|        |                    | 6759 DAALMVTNDGATILK[134]                       |          |         |         |
|        |                    | 6760 LGGSLADSYLDEGFLLDK[134]K[134]              |          |         |         |
|        |                    | 6761 LGGSLADSYLDEGFLLDKK                        |          |         |         |
|        |                    | 6762 GATQQILDEAER[162]                          |          |         |         |
|        |                    | 6763 ILIANTGMDTDK[134]IK[134]                   |          |         |         |
|        |                    | 6764 LALVTGGEIASTFDHPELVK                       |          |         |         |
|        |                    | 6765 LALVTGGEIASTFDHPELVK[134]                  |          |         |         |
|        |                    | 6766 VAEIEHAEKEK                                |          |         |         |
| Q3TDN2 | Q3TDN2 UBXD8_MOUSE | UBX domain-containing protein 8 - Mus muscu     | -0.42223 | 0.43641 | 20.4494 |
|        |                    | 6767 NALC[174]APEVISLINSR[162]                  |          |         |         |
|        |                    | 6768 QQQDEAYLASLR[162]                          |          |         |         |
|        |                    | 6769 LNEQEGVPSVFNPPPAR[162]PLQVNTADHR[162]      |          |         |         |
|        |                    | 6770 VTDPVGDIVSFMHSFEELK[134]                   |          |         |         |
|        |                    | 6771 AHPVFYQGTYSQALNDAKR                        |          |         |         |
|        |                    | 6772 VTDPVGDIVSFMHSFEELK                        |          |         |         |
| Q62465 | Q62465 VAT1_MOUSE  | Synaptic vesicle membrane protein VAT-1 hor     | -0.38129 | 0.48218 | 41.3793 |
|        |                    | 6773 GVDIVMDPLGGSDTAK[134]                      |          |         |         |
|        |                    | 6774 VVTYGMANLLTGPK[134]                        |          |         |         |
|        |                    | 6775 LQSR[162]PAVPPAPGPGQLTLR[162]              |          |         |         |
|        |                    | 6776 VLLVPGPEK[134]ET                           |          |         |         |
|        |                    | 6777 VLLVPGPEKET                                |          |         |         |
|        |                    | 6778 LQSRPAVPPAPGPGQLTLR                        |          |         |         |
|        |                    | 6779 AVC[174]GFHLGYLDGEVELVNSVVTR               |          |         |         |
|        |                    | 6780 AVC[174]GFHLGYLDGEVELVNSVVTR[162]          |          |         |         |
|        |                    | 6781 C[174]LVLTGFGGYDKVK                        |          |         |         |
|        |                    | 6782 C[174]LVLTGFGGYDK[134]VK[134]              |          |         |         |
|        |                    | 6783 HEVLK[134]ENGVTHTPIDYHTTDYVDEIK[134]K[134] |          |         |         |
|        |                    | 6784 LVALYNQGHK[134]PR[162]                     |          |         |         |

|        |                    |                                            |          |         |         |
|--------|--------------------|--------------------------------------------|----------|---------|---------|
|        |                    | 6785 GYHLLK[134]PMGK[134]                  |          |         |         |
|        |                    | 6786 VVTYGMANLLTGPK[134]R[162]             |          |         |         |
|        |                    | 6787 LVALYNQGHKPR                          |          |         |         |
|        |                    | 6788 GVDIVMDPLGGSDTAK                      |          |         |         |
|        |                    | 6789 AC[174]GLNFADLMGR                     |          |         |         |
|        |                    | 6790 VVTYGMANLLTGPK                        |          |         |         |
|        |                    | 6791 AC[174]GLNFADLMGR[162]                |          |         |         |
|        |                    | 6792 VVTYGMANLLTGPKR                       |          |         |         |
|        |                    | 6793 C[174]LVLTGFGGYDK                     |          |         |         |
|        |                    | 6794 IDSVWPF EK                            |          |         |         |
|        |                    | 6795 GYHLLKPMGK                            |          |         |         |
|        |                    | 6796 IDSVWPF EK[134]                       |          |         |         |
|        |                    | 6797 C[174]LVLTGFGGYDK[134]                |          |         |         |
| Q9DBG5 | Q9DBG5 M6PBP_MOUSE | Mannose-6-phosphate receptor-binding prote | -0.60703 | 0.26319 | 30.6636 |
|        |                    | 6798 SQVNDLQATFSGIHSFQDLSAGVLAQTR          |          |         |         |
|        |                    | 6799 SQVNDLQATFSGIHSFQDLSAGVLAQTR[162]     |          |         |         |
|        |                    | 6800 TLTTAAVSTAQPILSK[134]                 |          |         |         |
|        |                    | 6801 TPQDAEK[134]DPAK[134]PEQVEAR[162]     |          |         |         |
|        |                    | 6802 VGQMVISGVDR[162]                      |          |         |         |
|        |                    | 6803 QK[134]AQETLQQLTSVLGLMESVK[134]       |          |         |         |
|        |                    | 6804 QEQNYFVR[162]                         |          |         |         |
|        |                    | 6805 AQETLQQLTSVLGLMESVK[134]              |          |         |         |
|        |                    | 6806 LR[162]NHAYEHSLGK[134]                |          |         |         |
|        |                    | 6807 TPQDAEKDPAKPEQVEAR                    |          |         |         |
|        |                    | 6808 QKAQETLQQLTSVLGLMESVK                 |          |         |         |
|        |                    | 6809 LRNHAYEHSLGK                          |          |         |         |
|        |                    | 6810 VTGAVDVTLGAVQNSVDK[134]TK[134]        |          |         |         |
| P24668 | P24668 MPRD_MOUSE  | Cation-dependent mannose-6-phosphate rece  | 0.04075  | 0.93934 | 30.9353 |
|        |                    | 6811 SFESTVGQGSPTYSYIFR[162]               |          |         |         |
|        |                    | 6812 HTLAANFNPVSEER[162]                   |          |         |         |
|        |                    | 6813 SC[174]DLVG EK[134]DK[134]ESK[134]    |          |         |         |
|        |                    | 6814 SFESTVGQGSPTYSYIFR                    |          |         |         |
|        |                    | 6815 AVVMISC[174]NR[162]                   |          |         |         |

|        |                    |                                                |          |         |         |
|--------|--------------------|------------------------------------------------|----------|---------|---------|
|        |                    | 6816 HTLAANFNPVSEER                            |          |         |         |
|        |                    | 6817 AVVMISC[174]NR                            |          |         |         |
|        |                    | 6818 NEVALLER[162]                             |          |         |         |
|        |                    | 6819 SC[174]DLVGEKDKESK                        |          |         |         |
|        |                    | 6820 NEVALLER                                  |          |         |         |
|        |                    | 6821 GVGDDQLGEESEERDDHLLPM                     |          |         |         |
|        |                    | 6822 R[162]AVVMISC[174]NR[162]                 |          |         |         |
|        |                    | 6823 GVGDDQLGEESEER[162]DDHLLPM                |          |         |         |
|        |                    | 6824 HTLAANFNPVSEERGK                          |          |         |         |
|        |                    | 6825 RAVVMISC[174]NR                           |          |         |         |
|        |                    | 6826 HTLAANFNPVSEER[162]GK[134]                |          |         |         |
|        |                    | 6827 DKESKNEVALLER                             |          |         |         |
|        |                    | 6828 SC[174]DLVGEK[134]DK[134]                 |          |         |         |
|        |                    | 6829 SC[174]DLVGEK[134]                        |          |         |         |
| P47738 | P47738 ALDH2_MOUSE | Aldehyde dehydrogenase, mitochondrial prec     | -2.74416 | 0.00000 | 24.0848 |
|        |                    | 6830 TFVQENVYDEFVER[162]                       |          |         |         |
|        |                    | 6831 TEQGPQVDETQFK[134]                        |          |         |         |
|        |                    | 6832 VAEQTPLTALYVANLIK[134]                    |          |         |         |
|        |                    | 6833 ELGEYGLQAYTEVK[134]                       |          |         |         |
|        |                    | 6834 VAEQTPLTALYVANLIK                         |          |         |         |
|        |                    | 6835 YGLAAAVFTK[134]                           |          |         |         |
|        |                    | 6836 TEQGPQVDETQFK[134]K[134]                  |          |         |         |
|        |                    | 6837 LLC[174]GGGAAADR[162]                     |          |         |         |
|        |                    | 6838 LGPALATGNVVVMK[134]                       |          |         |         |
|        |                    | 6839 GYFIQPTVFGDVK[134]                        |          |         |         |
|        |                    | 6840 VVGNPFDSESR[162]                          |          |         |         |
|        |                    | 6841 TVTVK[134]VPQK[134]                       |          |         |         |
| O70172 | O70172 PI42A_MOUSE | Phosphatidylinositol-5-phosphate 4-kinase typ  | -0.42223 | 0.43641 | 8.3951  |
|        |                    | 6842 FLDFIGHIL                                 |          |         |         |
|        |                    | 6843 FGIDDQDFQNSLTR[162]                       |          |         |         |
|        |                    | 6844 FGIDDQDFQNSLTR                            |          |         |         |
|        |                    | 6845 SAPLPNDSQAR                               |          |         |         |
| Q05144 | Q05144 RAC2_MOUSE  | Ras-related C3 botulinum toxin substrate 2 pre | 0.44062  | 0.41056 | 19.7917 |

|        |                    |                                                  |          |         |         |
|--------|--------------------|--------------------------------------------------|----------|---------|---------|
|        |                    | 6846 LAPITYPQGLALAK[134]                         |          |         |         |
|        |                    | 6847 LAPITYPQGLALAK                              |          |         |         |
|        |                    | 6848 K[134]LAPITYPQGLALAK[134]                   |          |         |         |
|        |                    | 6849 KLAPITYPQGLALAK                             |          |         |         |
|        |                    | 6850 AVLK[174]PQPTR                              |          |         |         |
|        |                    | 6851 AVLK[174]PQPTR[162]                         |          |         |         |
|        |                    | 6852 HHC[174]PSTPIILVGTK[134]                    |          |         |         |
|        |                    | 6853 HHC[174]PSTPIILVGTK                         |          |         |         |
| O35704 | O35704 SPTC1_MOUSE | Serine palmitoyltransferase 1 - Mus musculus     | -0.70854 | 0.19155 | 16.9133 |
|        |                    | 6854 EC[174]VNFASFNLGLLANPR[162]                 |          |         |         |
|        |                    | 6855 VVVTVEQTEELQR[162]                          |          |         |         |
|        |                    | 6856 HNDVADLER[162]                              |          |         |         |
|        |                    | 6857 VVGESLSPALHLQLEESTGSR[162]                  |          |         |         |
|        |                    | 6858 YGVGTC[174]GPR[162]                         |          |         |         |
|        |                    | 6859 AAASFSLK[134]K[134]                         |          |         |         |
| P01899 | P01899 HA11_MOUSE  | H-2 class I histocompatibility antigen, D-B alph | 3.05544  | 0.00000 | 12.4309 |
|        |                    | 6860 YISVGVDNKEFVR                               |          |         |         |
|        |                    | 6861 APWMEQEGPEYWERETQK                          |          |         |         |
|        |                    | 6862 VYHEGLPEPLTLR                               |          |         |         |
| P16675 | P16675 PPGB_MOUSE  | Lysosomal protective protein precursor - Mus     | 1.20070  | 0.02493 | 14.135  |
|        |                    | 6863 SGLNIYNLYAPC[174]AGGVPGR                    |          |         |         |
|        |                    | 6864 SGLNIYNLYAPC[174]AGGVPGR[162]               |          |         |         |
|        |                    | 6865 YEDTLVVQDFGNIFTR                            |          |         |         |
|        |                    | 6866 GAGHMOVPTDKPR                               |          |         |         |
|        |                    | 6867 C[174]NFYDNKDPEC[174]VNNLLEVSR              |          |         |         |
| P18242 | P18242 CATD_MOUSE  | Cathepsin D precursor - Mus musculus             | 0.89996  | 0.09281 | 43.6585 |
|        |                    | 6868 AIGAVPLIQGEYMIPC[174]EK                     |          |         |         |
|        |                    | 6869 GGC[174]EAIVDGTGTSLLVGPVEEVKELQK            |          |         |         |
|        |                    | 6870 AIGAVPLIQGEYMIPC[174]EK[134]                |          |         |         |
|        |                    | 6871 VSSLPTVYLK                                  |          |         |         |
|        |                    | 6872 GGC[174]EAIVDGTGTSLLVGPVEEVK                |          |         |         |
|        |                    | 6873 QIFGEATKQPGIVFVAAK                          |          |         |         |
|        |                    | 6874 TMTEVGGSVEDLILK                             |          |         |         |

|        |                   |                                                |          |         |         |
|--------|-------------------|------------------------------------------------|----------|---------|---------|
|        |                   | 6875 TMTEVGGSVEDLILKGPI TK                     |          |         |         |
|        |                   | 6876 YSMQSSPK[134]                             |          |         |         |
|        |                   | 6877 YSMQSSPK                                  |          |         |         |
|        |                   | 6878 TMTEVGGSVEDLILK[134]GPITK[134]            |          |         |         |
|        |                   | 6879 QIFGEATK[134]QPGIVFVAAK[134]              |          |         |         |
|        |                   | 6880 VSSLPTVYLK[134]                           |          |         |         |
|        |                   | 6881 LGGK NYELHPDKYILK                         |          |         |         |
|        |                   | 6882 TTEPVSELLK                                |          |         |         |
|        |                   | 6883 NYELHPDKYILK                              |          |         |         |
|        |                   | 6884 LGGK[134]NYELHPDK[134]YILK[134]           |          |         |         |
|        |                   | 6885 NYELHPDK[134]YILK[134]                    |          |         |         |
|        |                   | 6886 YNSDKSSTYVK                               |          |         |         |
|        |                   | 6887 TTEPVSELLK[134]                           |          |         |         |
|        |                   | 6888 GGC[174]EAIVDTGTSLLVGPVEEVK[134]          |          |         |         |
|        |                   | 6889 GGC[174]EAIVDTGTSLLVGPVEEVK[134]ELQK[134] |          |         |         |
|        |                   | 6890 LV DKNIFS FYLNR                           |          |         |         |
|        |                   | 6891 LV DKNIFS FYLNRDPEGQPGGELMLGGTDSK         |          |         |         |
|        |                   | 6892 ILDIAC[174]WVHHK[134]                     |          |         |         |
|        |                   | 6893 ILDIAC[174]WVHHK                          |          |         |         |
|        |                   | 6894 LV DK[134]NIFS FYLNR[162]                 |          |         |         |
|        |                   | 6895 YNSDK[134]SSTYVK[134]                     |          |         |         |
| P26443 | P26443 DHE3_MOUSE | Glutamate dehydrogenase 1, mitochondrial pr    | -1.42223 | 0.00875 | 9.4982  |
|        |                   | 6896 IIAEGANGPTTPEADK[134]IFLER[162]           |          |         |         |
|        |                   | 6897 C[174]AVVDVPFGGAK[134]                    |          |         |         |
|        |                   | 6898 YSTDVSVDEVK[134]                          |          |         |         |
|        |                   | 6899 NYTDNELEK[134]                            |          |         |         |
| Q03265 | Q03265 ATPA_MOUSE | ATP synthase subunit alpha, mitochondrial pre  | -2.06609 | 0.00014 | 28.2098 |
|        |                   | 6900 EVAAFAQFGSDLDAATQQLLSR[162]               |          |         |         |
|        |                   | 6901 ILGADTSVDLEETGR[162]                      |          |         |         |
|        |                   | 6902 VVDALGNAIDGK[134]GPIGSK[134]              |          |         |         |
|        |                   | 6903 TSIAIDTIINQK[134]R[162]                   |          |         |         |
|        |                   | 6904 TGAIVDVPVGEELLGR[162]                     |          |         |         |
|        |                   | 6905 VGLK[134]APGIIPR[162]                     |          |         |         |

|        |                     |                                             |          |         |         |
|--------|---------------------|---------------------------------------------|----------|---------|---------|
|        |                     | 6906 TGTAEMSSILEER[162]                     |          |         |         |
|        |                     | 6907 TGAIVDVPVGEELLGR                       |          |         |         |
|        |                     | 6908 GIR[162]PAINVGLSVSR[162]               |          |         |         |
|        |                     | 6909 VLSIGDGIAR[162]                        |          |         |         |
|        |                     | 6910 AVDSLVPIGR[162]                        |          |         |         |
|        |                     | 6911 TSIAIDTIINQK[134]                      |          |         |         |
|        |                     | 6912 VLSIGDGIAR                             |          |         |         |
|        |                     | 6913 LK[134]EIVTNFLAGFEP                    |          |         |         |
| Q3TFD0 | Q3TFD0 Q3TFD0_MOUSE | Serine hydroxymethyltransferase - Mus muscu | -1.42223 | 0.00875 | 22.7545 |
|        |                     | 6914 LNPQTGLIDYDQLALTAR[162]                |          |         |         |
|        |                     | 6915 VLELVSITANK[134]                       |          |         |         |
|        |                     | 6916 AHLLADMAHISGLVAAK[134]                 |          |         |         |
|        |                     | 6917 VLELVSITANK[134]NTC[174]PGDR[162]      |          |         |         |
|        |                     | 6918 YADVVTTHHK[134]                        |          |         |         |
|        |                     | 6919 SFLLK[134]DPETSQR[162]                 |          |         |         |
|        |                     | 6920 LNPQTGLIDYDQLALTAR                     |          |         |         |
|        |                     | 6921 LIIAGTSAYAR[162]                       |          |         |         |
|        |                     | 6922 LGAPALTSR[162]                         |          |         |         |
|        |                     | 6923 GFPMPGFDER[162]                        |          |         |         |
|        |                     | 6924 QQVEQFAR[162]                          |          |         |         |
| Q3U6Q5 | Q3U6Q5 Q3U6Q5_MOUSE | Bone marrow macrophage cDNA, RIKEN full-le  | -0.06609 | 0.90304 | 2.8513  |
|        |                     | 6925 TQPVPEFHLLPGQR                         |          |         |         |
|        |                     | 6926 TQPVPEFHLLPGQR[162]                    |          |         |         |
| Q8C1Y8 | Q8C1Y8 CG028_MOUSE  | Uncharacterized protein C7orf28 homolog - M | -0.18345 | 0.73526 | 9.7917  |
|        |                     | 6927 QFPPALLSFFIYNPR                        |          |         |         |
|        |                     | 6928 QFPPALLSFFIYNPR[162]                   |          |         |         |
|        |                     | 6929 FLTGPLNLNDPEAK                         |          |         |         |
|        |                     | 6930 HIEPELAGR                              |          |         |         |
|        |                     | 6931 TFSPSKPAK                              |          |         |         |
|        |                     | 6932 HIEPELAGR[162]                         |          |         |         |
| Q922J9 | Q922J9 FACR1_MOUSE  | Fatty acyl-CoA reductase 1 - Mus musculus   | -0.20811 | 0.70128 | 6.9903  |
|        |                     | 6933 IIAINSELTQPK[134]                      |          |         |         |
|        |                     | 6934 IIAINSELTQPK                           |          |         |         |



|        |                    |                                                |          |         |         |
|--------|--------------------|------------------------------------------------|----------|---------|---------|
|        |                    | 6935 ALAEYVVQQEGAK                             |          |         |         |
|        |                    | 6936 LRDENPDFREK                               |          |         |         |
| Q922R8 | Q922R8 PDIA6_MOUSE | Protein disulfide-isomerase A6 precursor - Mu  | -0.28473 | 0.59971 | 28.6364 |
|        |                    | 6937 GSTAPVGGGSFPTITPR[162]                    |          |         |         |
|        |                    | 6938 TGEAIVDAALSALR[162]                       |          |         |         |
|        |                    | 6939 ALDLFSDNAPPELLEIINEDIAK[134]              |          |         |         |
|        |                    | 6940 IFQKGESPDYDGGR                            |          |         |         |
|        |                    | 6941 VGAVNADKHQSLGGQYGVQGFPTIK                 |          |         |         |
|        |                    | 6942 VGAVNADK[134]HQSLGGQYGVQGFPTIK[134]       |          |         |         |
|        |                    | 6943 IFQK[134]GESPDYDGGR[162]                  |          |         |         |
|        |                    | 6944 TGEAIVDAALSALR                            |          |         |         |
|        |                    | 6945 ALDLFSDNAPPELLEIINEDIAK                   |          |         |         |
|        |                    | 6946 ALDLFSDNAPPELLEIINEDIAK[134]K[134]        |          |         |         |
|        |                    | 6947 GSTAPVGGGSFPTITPR                         |          |         |         |
|        |                    | 6948 VK[134]LAAVDATVNQVLASR[162]               |          |         |         |
|        |                    | 6949 GSFSEQGINEFLR[162]                        |          |         |         |
|        |                    | 6950 GSFSEQGINEFLR                             |          |         |         |
|        |                    | 6951 VKLAAVDATVNQVLASR                         |          |         |         |
|        |                    | 6952 ALDLFSDNAPPELLEIINEDIAKK                  |          |         |         |
|        |                    | 6953 GESPDYDGGR[162]                           |          |         |         |
| Q9D1A2 | Q9D1A2 CNDP2_MOUSE | Cytosolic non-specific dipeptidase - Mus musci | -0.11189 | 0.83660 | 7.3684  |
|        |                    | 6954 EGGSIPVTLTFQEATGK                         |          |         |         |
|        |                    | 6955 QK[134]LPDGSEIPLPPILLGK[134]              |          |         |         |
|        |                    | 6956 EGGSIPVTLTFQEATGK[134]                    |          |         |         |
| Q8CI59 | Q8CI59 STEA3_MOUSE | Metalloreductase STEAP3 - Mus musculus         | 0.95628  | 0.07411 | 7.377   |
|        |                    | 6957 RLVDSDGSLAEPK                             |          |         |         |
|        |                    | 6958 QSNAEYLASFAC[174]TVVK[134]                |          |         |         |
|        |                    | 6959 QSNAEYLASFAC[174]TVVK                     |          |         |         |
| O89023 | O89023 TPP1_MOUSE  | Tripeptidyl-peptidase 1 precursor - Mus musci  | 0.36018  | 0.50116 | 3.7367  |
|        |                    | 6960 LFGGSFTHQASVAK[134]                       |          |         |         |
|        |                    | 6961 LFGGSFTHQASVAK                            |          |         |         |
|        |                    | 6962 VNTEFMK                                   |          |         |         |
| Q8BU14 | Q8BU14 SEC62_MOUSE | Translocation protein SEC62 - Mus musculus     | -0.08881 | 0.86997 | 3.0151  |

|        |                    |                                                |          |         |         |
|--------|--------------------|------------------------------------------------|----------|---------|---------|
|        |                    | 6963 IQEVGEPSK[134]EEK[134]                    |          |         |         |
|        |                    | 6964 IQEVGEPSKEEK                              |          |         |         |
| Q9R1Q9 | Q9R1Q9 VAS1_MOUSE  | Vacuolar ATP synthase subunit S1 precursor - I | 0.21931  | 0.68211 | 5.6156  |
|        |                    | 6965 TMDR[162]FDDHK[134]GPTITLTQIV             |          |         |         |
|        |                    | 6966 YWFAMER[162]                              |          |         |         |
|        |                    | 6967 TMDRFDDHKGPTITLTQIV                       |          |         |         |
|        |                    | 6968 YWFAMER                                   |          |         |         |
| Q9WV55 | Q9WV55 VAPA_MOUSE  | Vesicle-associated membrane protein-associat   | -0.08881 | 0.86997 | 19.6787 |
|        |                    | 6969 GPFTDVVTTNLK                              |          |         |         |
|        |                    | 6970 GPFTDVVTTNLK[134]                         |          |         |         |
|        |                    | 6971 VAHSDK[134]PGSTSAVSFR[162]                |          |         |         |
|        |                    | 6972 FK[134]GPFTDVVTTNLK[134]                  |          |         |         |
|        |                    | 6973 QDGPLPKPHSVSLNDTETR                       |          |         |         |
| P51569 | P51569 AGAL_MOUSE  | Alpha-galactosidase A precursor - Mus muscul   | 0.00560  | 0.99165 | 17.1838 |
|        |                    | 6974 ALLQNKDVIAINQDPLGK                        |          |         |         |
|        |                    | 6975 NLQEIGGPC[174]PYTIQISSLGR                 |          |         |         |
|        |                    | 6976 NLQEIGGPC[174]PYTIQISSLGR[162]            |          |         |         |
|        |                    | 6977 DVIAINQDPLGK[134]                         |          |         |         |
|        |                    | 6978 TPTMGWLHWER                               |          |         |         |
|        |                    | 6979 DVIAINQDPLGK                              |          |         |         |
|        |                    | 6980 ALLQNK[134]DVIAINQDPLGK[134]              |          |         |         |
|        |                    | 6981 VNPSGTVLFR[162]                           |          |         |         |
|        |                    | 6982 LQADPQR[162]FPSGIK[134]                   |          |         |         |
|        |                    | 6983 LQADPQRFPSGIK                             |          |         |         |
| O08917 | O08917 FLOT1_MOUSE | Flotillin-1 - Mus musculus                     | -0.20503 | 0.70549 | 57.0093 |
|        |                    | 6984 AQADLAYQLQVAK[134]                        |          |         |         |
|        |                    | 6985 AQLIMQAEAEASVR[162]                       |          |         |         |
|        |                    | 6986 AQQVAVQEQEIAR[162]                        |          |         |         |
|        |                    | 6987 AQADLAYQLQVAK                             |          |         |         |
|        |                    | 6988 AQQVAVQEQEIAR                             |          |         |         |
|        |                    | 6989 VSAQC[174]LSEIEMAK[134]                   |          |         |         |
|        |                    | 6990 VSAQC[174]LSEIEMAK                        |          |         |         |
|        |                    | 6991 ISLNTLTNLVK                               |          |         |         |

6992 ISLNTLTNLVK[134]  
6993 VTGEVLDILSR  
6994 VFVLPC[174]IQQIQR[162]  
6995 VFVLPC[174]IQQIQR  
6996 ATYDIEVNTR[162]  
6997 LAEAEKAQLIMQAEAEASVR  
6998 LTGVVISQVNHKPLR  
6999 VQVQVVER[162]  
7000 VQVQVVER  
7001 AQLIMQAEAEASVR  
7002 LPQVAEEISGPLTSANK[134]  
7003 ITLVSSSGTMGAAK[134]  
7004 R[162]AQADLAYQLQVAK[134]  
7005 LAEAEK[134]AQLIMQAEAEASVR[162]  
7006 TEAEIAHIALETLEGHQR  
7007 TEAEIAHIALETLEGHQR[162]  
7008 LTGVVISQVNHK[134]PLR[162]  
7009 VTGEVLDILSR[162]LPESVER[162]  
7010 K[134]ATYDIEVNTR[162]  
7011 RAQADLAYQLQVAK  
7012 VASSDLVNMGISVVSYTLK  
7013 LPQVAEEISGPLTSANK  
7014 VASSDLVNMGISVVSYTLK[134]  
7015 HGVPISVTGIAQVK  
7016 HGVPISVTGIAQVK[134]  
7017 VTGEVLDILSR[162]  
7018 KATYDIEVNTR  
7019 SPPVMVAGGR[162]  
7020 AQQVAVQEQEIAR[162]R[162]  
7021 VTGEVLDILSRPESVER  
7022 MR[162]GEAEFAIGAR[162]  
7023 AQQVAVQEQEIARR  
7024 SPPVMVAGGR

|        |                     |                                                  |          |         |         |
|--------|---------------------|--------------------------------------------------|----------|---------|---------|
| O54734 | O54734 OST48_MOUSE  | Dolichyl-diphosphooligosaccharide--protein gl    | -0.50016 | 0.35658 | 21.0884 |
|        |                     | 7025 YSQTGNYELAVALS                              |          |         |         |
|        |                     | 7026 YSQTGNYELAVALS[162]                         |          |         |         |
|        |                     | 7027 TLVLLDNLNVR                                 |          |         |         |
|        |                     | 7028 NTLLIAGLQAR                                 |          |         |         |
|        |                     | 7029 NTLLIAGLQAR[162]                            |          |         |         |
|        |                     | 7030 TLVLLDNLNVR[162]                            |          |         |         |
|        |                     | 7031 LPDVYGVFQFK[134]                            |          |         |         |
|        |                     | 7032 GFELTFK[134]                                |          |         |         |
|        |                     | 7033 DTHSLFFR[162]                               |          |         |         |
|        |                     | 7034 TADDPSLSLIK[134]                            |          |         |         |
|        |                     | 7035 DTHSLFFR                                    |          |         |         |
|        |                     | 7036 SSLNPILFR[162]                              |          |         |         |
|        |                     | 7037 TADDPSLSLIK                                 |          |         |         |
|        |                     | 7038 GFELTFK                                     |          |         |         |
|        |                     | 7039 SSLNPILFR                                   |          |         |         |
|        |                     | 7040 WVFK[134]EEGVLR[162]                        |          |         |         |
| O88783 | O88783 O88783_MOUSE | Coagulation factor V - Mus musculus              | 10.54211 | 0.00000 | 1.5575  |
|        |                     | 7041 MYEQEWVR                                    |          |         |         |
|        |                     | 7042 VNAWQAK                                     |          |         |         |
|        |                     | 7043 NFFNPPIISR                                  |          |         |         |
|        |                     | 7044 TWNQSIALR                                   |          |         |         |
| P01900 | P01900 HA12_MOUSE   | H-2 class I histocompatibility antigen, D-D alph | 2.15936  | 0.00006 | 37.5342 |
|        |                     | 7045 YMEVGYYVDNTEFVR                             |          |         |         |
|        |                     | 7046 RPEGDVTLR                                   |          |         |         |
|        |                     | 7047 YFVTAVSRPGFGEP                              |          |         |         |
|        |                     | 7048 YTC[174]HVEHEGLPEPLTLR                      |          |         |         |
|        |                     | 7049 YFVTAVSR[162]PGFGEP[162]                    |          |         |         |
|        |                     | 7050 GGDYALAPGSQSSDMSLPDC[174]KV                 |          |         |         |
|        |                     | 7051 YTC[174]HVEHEGLPEPLTLR[162]                 |          |         |         |
|        |                     | 7052 R[162]PEGDVTLR[162]                         |          |         |         |
|        |                     | 7053 RKWEQAGAAER                                 |          |         |         |
|        |                     | 7054 WGKEPPSSTK                                  |          |         |         |

|        |                   |                                            |         |         |        |
|--------|-------------------|--------------------------------------------|---------|---------|--------|
|        |                   | 7055 YMEVG YVDNTEFVR[162]                  |         |         |        |
|        |                   | 7056 WIEQEGPEYWER                          |         |         |        |
|        |                   | 7057 WASVVVPLGKEQK                         |         |         |        |
|        |                   | 7058 GNEQSFRVDLR                           |         |         |        |
|        |                   | 7059 R[162]K[134]WEQAGAAER[162]            |         |         |        |
|        |                   | 7060 K[134]WEQAGAAER[162]DR[162]           |         |         |        |
|        |                   | 7061 WGK[134]EEPPSSTK[134]                 |         |         |        |
| P17182 | P17182 ENOA_MOUSE | Alpha-enolase - Mus musculus               | 0.54077 | 0.31252 | 47.235 |
|        |                   | 7062 AAVPSGASTGIYEALRL                     |         |         |        |
|        |                   | 7063 AAVPSGASTGIYEALRL[162]                |         |         |        |
|        |                   | 7064 DATNVGDEGGFAPNILENK                   |         |         |        |
|        |                   | 7065 DATNVGDEGGFAPNILENK[134]              |         |         |        |
|        |                   | 7066 FTASAGIQVVGDDLTVTNPK                  |         |         |        |
|        |                   | 7067 GNPTVEVDLYTAK[134]                    |         |         |        |
|        |                   | 7068 DATNVGDEGGFAPNILENK[134]EAELELLK[134] |         |         |        |
|        |                   | 7069 SGKYDLDFKSPDDPSR                      |         |         |        |
|        |                   | 7070 LAMQEFMILPVGASSFR[162]                |         |         |        |
|        |                   | 7071 IGAEVYHNLK[134]                       |         |         |        |
|        |                   | 7072 GNPTVEVDLYTAK                         |         |         |        |
|        |                   | 7073 IGAEVYHNLK                            |         |         |        |
|        |                   | 7074 GVSQAVEHINK                           |         |         |        |
|        |                   | 7075 FTASAGIQVVGDDLTVTNPKR                 |         |         |        |
|        |                   | 7076 GVSQAVEHINK[134]                      |         |         |        |
|        |                   | 7077 HIADLAGNPEVILPVPAFNVINGGSHAGNK[134]   |         |         |        |
|        |                   | 7078 YITPDQLADLYK                          |         |         |        |
|        |                   | 7079 YITPDQLADLYK[134]                     |         |         |        |
|        |                   | 7080 YGKDATNVGDEGGFAPNILENK                |         |         |        |
|        |                   | 7081 KVNVEVEQEKIDK                         |         |         |        |
|        |                   | 7082 DATNVGDEGGFAPNILENKEAELELLK           |         |         |        |
|        |                   | 7083 SC[174]NC[174]LLLK                    |         |         |        |
|        |                   | 7084 SC[174]NC[174]LLLK[134]               |         |         |        |
|        |                   | 7085 LAMQEFMILPVGASSFR                     |         |         |        |
|        |                   | 7086 SFRNPLAK                              |         |         |        |

|        |                    |                                                |          |         |         |
|--------|--------------------|------------------------------------------------|----------|---------|---------|
| P35821 | P35821 PTN1_MOUSE  | Tyrosine-protein phosphatase non-receptor ty   | -0.51150 | 0.34578 | 7.6389  |
|        |                    | 7087 FSYLAVIEGAK[134]                          |          |         |         |
|        |                    | 7088 YR[162]DVSPFDHSR[162]                     |          |         |         |
|        |                    | 7089 MGLIQTADQLR[162]                          |          |         |         |
| P54775 | P54775 PRS6B_MOUSE | 26S protease regulatory subunit 6B - Mus mus   | 0.20070  | 0.70779 | 10.5263 |
|        |                    | 7090 VVGSEFVQK[134]                            |          |         |         |
|        |                    | 7091 AVAHHTTAAFIR                              |          |         |         |
|        |                    | 7092 EAVELPLTHFELYK                            |          |         |         |
|        |                    | 7093 LIFSTITSK                                 |          |         |         |
|        |                    | 7094 LIFSTITSK[134]                            |          |         |         |
|        |                    | 7095 VVGSEFVQK                                 |          |         |         |
| P62960 | P62960 YBOX1_MOUSE | Nuclease sensitive element-binding protein 1 - | -0.46687 | 0.38949 | 33.8509 |
|        |                    | 7096 GAEAAANVTGPGGVPVQGSK                      |          |         |         |
|        |                    | 7097 GAEAAANVTGPGGVPVQGSK[134]                 |          |         |         |
|        |                    | 7098 AADPPAENSSAPEAEQGGAE                      |          |         |         |
|        |                    | 7099 NEGSESAPEGQAQQR                           |          |         |         |
|        |                    | 7100 NEGSESAPEGQAQQR[162]                      |          |         |         |
|        |                    | 7101 NYQQNYQNSGESGEK                           |          |         |         |
|        |                    | 7102 NYQQNYQNSGESGEK[134]                      |          |         |         |
|        |                    | 7103 NYQQNYQNSGESGEKNEGSESAPEGQAQQR            |          |         |         |
|        |                    | 7104 SVGDGETVEFDVVEGEKGAEAAANVTGPGGVPVQGSK     |          |         |         |
|        |                    | 7105 EDGNEEDKENQGDETQGQQPPQRR                  |          |         |         |
| Q63886 | Q63886 UD11_MOUSE  | UDP-glucuronosyltransferase 1-1 precursor - N  | -0.04372 | 0.93577 | 5.0467  |
|        |                    | 7106 YTGTRPSNLAK                               |          |         |         |
|        |                    | 7107 IPQTVLWR                                  |          |         |         |
|        |                    | 7108 IPQTVLWR[162]                             |          |         |         |
|        |                    | 7109 YTGTR[162]PSNLAK[134]                     |          |         |         |
|        |                    | 7110 SYKENIMR                                  |          |         |         |
|        |                    | 7111 SYK[134]ENIMR[162]                        |          |         |         |
| Q6ZQM8 | Q6ZQM8 UD17C_MOUSE | UDP-glucuronosyltransferase 1-7C precursor -   | -0.28473 | 0.59971 | 11.2994 |
|        |                    | 7112 SQQEGGILPLLDSPAK                          |          |         |         |
|        |                    | 7113 SQQEGGILPLLDSPAK[134]                     |          |         |         |
|        |                    | 7114 YFSLPSVVFSR[162]                          |          |         |         |

|        |                    |                                                  |          |         |         |
|--------|--------------------|--------------------------------------------------|----------|---------|---------|
|        |                    | 7115 TYAVSHTQEDLNR[162]EFK[134]                  |          |         |         |
|        |                    | 7116 NLLAYMGER[162]                              |          |         |         |
|        |                    | 7117 FTDTMTFK                                    |          |         |         |
|        |                    | 7118 YFSLPSVVFSR                                 |          |         |         |
| Q99JY9 | Q99JY9 ARP3_MOUSE  | Actin-related protein 3 - Mus musculus           | 0.21931  | 0.68211 | 17.9426 |
|        |                    | 7119 LPAC[174]VVDC[174]GTGYTK[134]               |          |         |         |
|        |                    | 7120 NIVLSGGSTMFR[162]                           |          |         |         |
|        |                    | 7121 LSEELSGGR[162]                              |          |         |         |
|        |                    | 7122 NIVLSGGSTMFR                                |          |         |         |
|        |                    | 7123 LGYAGNTEPQFIIPSC[174]IAIK[134]              |          |         |         |
|        |                    | 7124 LPAC[174]VVDC[174]GTGYTK                    |          |         |         |
|        |                    | 7125 YSYVC[174]PDLVK                             |          |         |         |
|        |                    | 7126 YSYVC[174]PDLVK[134]                        |          |         |         |
|        |                    | 7127 EFSIDVGYSR[162]                             |          |         |         |
|        |                    | 7128 LSEELSGGR                                   |          |         |         |
| Q9ET30 | Q9ET30 TM9S3_MOUSE | Transmembrane 9 superfamily member 3 prec        | -0.20811 | 0.70128 | 3.7479  |
|        |                    | 7129 YFSLPFC[174]VGSK[134]                       |          |         |         |
|        |                    | 7130 NLSGQPNFPC[174]R[162]                       |          |         |         |
|        |                    | 7131 NLSGQPNFPC[174]R                            |          |         |         |
| P51675 | P51675 CCR1_MOUSE  | C-C chemokine receptor type 1 - Mus musculus     | -1.42223 | 0.00875 | 8.169   |
|        |                    | 7132 TSSISPSTGEHELSAGF                           |          |         |         |
|        |                    | 7133 WLPFLSVDQLER[162]                           |          |         |         |
|        |                    | 7134 WLPFLSVDQLER                                |          |         |         |
| P46471 | P46471 PRS7_MOUSE  | 26S protease regulatory subunit 7 - Mus musculus | 0.02882  | 0.95707 | 22.4018 |
|        |                    | 7135 FDDGAGGDNEVQR[162]                          |          |         |         |
|        |                    | 7136 FVNLGIEPPK[134]GVLLFGPPGTGK[134]            |          |         |         |
|        |                    | 7137 FDDGAGGDNEVQR                               |          |         |         |
|        |                    | 7138 FVNLGIEPPKGVLLFGPPGTGK                      |          |         |         |
|        |                    | 7139 ALDEGDIALK[134]                             |          |         |         |
|        |                    | 7140 LC[174]PNSTGAEIR[162]                       |          |         |         |
|        |                    | 7141 TYGQSTYSR[162]                              |          |         |         |
|        |                    | 7142 TYGQSTYSR                                   |          |         |         |
|        |                    | 7143 AC[174]LIFFDEIDAIGGAR                       |          |         |         |

|        |                     |                                               |          |         |         |
|--------|---------------------|-----------------------------------------------|----------|---------|---------|
|        |                     | 7144 TMLELINQLDGFDP                           |          |         |         |
|        |                     | 7145 TMLELINQLDGFDP[162]                      |          |         |         |
| Q3U651 | Q3U651 Q3U651_MOUSE | Bone marrow macrophage cDNA, RIKEN full-le    | 2.44171  | 0.00001 | 5.122   |
|        |                     | 7146 RTMTEVGGCVEDLILKGPIK                     |          |         |         |
|        |                     | 7147 TMTEVGGCVEDLILKGPIK                      |          |         |         |
| Q61598 | Q61598 GDIB_MOUSE   | Rab GDP dissociation inhibitor beta - Mus mus | -0.09807 | 0.85656 | 13.0337 |
|        |                     | 7148 DLGTDSQIFISR[162]                        |          |         |         |
|        |                     | 7149 FVSISDLFVVPK[134]                        |          |         |         |
|        |                     | 7150 FVSISDLFVVPK                             |          |         |         |
|        |                     | 7151 MLLFTEVTR[162]                           |          |         |         |
|        |                     | 7152 DLGTDSQIFISR                             |          |         |         |
|        |                     | 7153 VLHMDQNPYYGGESASITPLEDLYK[134]R[162]     |          |         |         |
| Q62433 | Q62433 NDRG1_MOUSE  | Protein NDRG1 - Mus musculus                  | 0.51856  | 0.33281 | 15.9898 |
|        |                     | 7154 TASGSSVTSLEGTR[162]                      |          |         |         |
|        |                     | 7155 TASGSSVTSLEGTR                           |          |         |         |
|        |                     | 7156 ELHDVDLAEVK[134]PLVEK[134]               |          |         |         |
|        |                     | 7157 LNITPNSGATGNNAGPK                        |          |         |         |
|        |                     | 7158 LNITPNSGATGNNAGPK[134]                   |          |         |         |
|        |                     | 7159 SVIGMGTGAGAYILTR[162]                    |          |         |         |
| Q9CZ13 | Q9CZ13 QCR1_MOUSE   | Cytochrome b-c1 complex subunit 1, mitochor   | -0.51150 | 0.34578 | 11.0417 |
|        |                     | 7160 MVLAAAGGVEHQQLDLAQK[134]                 |          |         |         |
|        |                     | 7161 NALVSHLDGTPVC[174]EDIGR[162]             |          |         |         |
|        |                     | 7162 VYEEDAVPGLTPC[174]R[162]                 |          |         |         |
| Q9D1Q6 | Q9D1Q6 TXND4_MOUSE  | Thioredoxin domain-containing protein 4 prec  | -0.39268 | 0.46920 | 21.6749 |
|        |                     | 7163 SNPVEIQSLDEVTLNDR[162]                   |          |         |         |
|        |                     | 7164 VDC[174]DQHSDIAQR                        |          |         |         |
|        |                     | 7165 VDC[174]DQHSDIAQR[162]                   |          |         |         |
|        |                     | 7166 TPADC[174]PVIAIDSFR[162]                 |          |         |         |
|        |                     | 7167 SNPVEIQSLDEVTLNDR                        |          |         |         |
|        |                     | 7168 TPADC[174]PVIAIDSFR                      |          |         |         |
|        |                     | 7169 VASILHDDC[174]AFLSAFGDLSK[134]PER[162]   |          |         |         |
|        |                     | 7170 ISKYPTLK                                 |          |         |         |
|        |                     | 7171 YNGDNVIYK[134]PPGR[162]                  |          |         |         |



|        |                    |                                                 |          |         |         |
|--------|--------------------|-------------------------------------------------|----------|---------|---------|
| Q9D8N0 | Q9D8N0 EF1G_MOUSE  | 7172 ISK[134]YPTLK[134]                         | -0.48113 | 0.37517 | 9.8398  |
|        |                    | Elongation factor 1-gamma - Mus musculus        |          |         |         |
|        |                    | 7173 ALIAAQYSGAQVR                              |          |         |         |
|        |                    | 7174 ALIAAQYSGAQVR[162]                         |          |         |         |
|        |                    | 7175 AK[134]DPFAHLPK[134]                       |          |         |         |
|        |                    | 7176 STFVLDEFK[134]R[162]                       |          |         |         |
|        |                    | 7177 STFVLDEFKR                                 |          |         |         |
| Q9JKB3 | Q9JKB3 DBPA_MOUSE  | 7178 ILGLLDTHLK[134]                            | -0.39867 | 0.46243 | 14.6814 |
|        |                    | DNA-binding protein A - Mus musculus            |          |         |         |
|        |                    | 7179 EDVFVHQTAIK[134]                           |          |         |         |
|        |                    | 7180 NGYGFINR[162]                              |          |         |         |
|        |                    | 7181 NGYGFINR                                   |          |         |         |
|        |                    | 7182 GAEEANVTGPDGVPVEGSR                        |          |         |         |
|        |                    | 7183 GAEEANVTGPDGVPVEGSR[162]                   |          |         |         |
| P28667 | P28667 MRP_MOUSE   | 7184 SRPLNAVSQDGKETK                            | -0.98113 | 0.07054 | 14      |
|        |                    | 7185 SR[162]PLNAVSQDGK[134]                     |          |         |         |
|        |                    | 7186 SRPLNAVSQDGK                               |          |         |         |
|        |                    | MARCKS-related protein - Mus musculus           |          |         |         |
|        |                    | 7187 AAATPESQEPQAK[134]                         |          |         |         |
|        |                    | 7188 GDVTAEAAAGASPAK[134]                       |          |         |         |
|        |                    | 7189 AAATPESQEPQAK                              |          |         |         |
| Q61542 | Q61542 STAR3_MOUSE | 7190 GDVTAEAAAGASPAK                            | 0.14336  | 0.78889 | 8.5202  |
|        |                    | StAR-related lipid transfer protein 3 - Mus mus |          |         |         |
|        |                    | 7191 YLSSGIATTHC[174]SKPPTHK                    |          |         |         |
|        |                    | 7192 TFLPC[174]PAELVYQEVILQPER[162]             |          |         |         |
| P14206 | P14206 RSSA_MOUSE  | 7193 TFLPC[174]PAELVYQEVILQPER                  | -0.39366 | 0.46808 | 25.7627 |
|        |                    | 40S ribosomal protein SA - Mus musculus         |          |         |         |
|        |                    | 7194 AIVAIENPADVSVISSR                          |          |         |         |
|        |                    | 7195 ADHQLTEASYVNLPTIALC[174]NTDSPLR[162]       |          |         |         |
|        |                    | 7196 FAAATGATPIAGR[162]                         |          |         |         |
|        |                    | 7197 AIVAIENPADVSVISSR[162]                     |          |         |         |
|        |                    | 7198 YVDIAIPC[174]NNK[134]                      |          |         |         |
|        |                    | 7199 LLVVTDPRI[162]                             |          |         |         |

|        |                    |                                                 |          |         |        |
|--------|--------------------|-------------------------------------------------|----------|---------|--------|
| P60843 | P60843 IF4A1_MOUSE | Eukaryotic initiation factor 4A-I - Mus musculu | -0.17173 | 0.75159 | 35.468 |
|        |                    | 7200 GIYAYGF EKPSAIQQR                          |          |         |        |
|        |                    | 7201 GIYAYGF EK[134]PSAIQQR[162]                |          |         |        |
|        |                    | 7202 GYDVIAQAQSGTGK[134]                        |          |         |        |
|        |                    | 7203 MFVLDEADEMLSR                              |          |         |        |
|        |                    | 7204 KGVAINMVTEEDKR                             |          |         |        |
|        |                    | 7205 VLITTDLLAR[162]                            |          |         |        |
|        |                    | 7206 VLITTDLLAR                                 |          |         |        |
|        |                    | 7207 LQMEAPHIIVGTPGR                            |          |         |        |
|        |                    | 7208 K[134]EELTLEGIR[162]                       |          |         |        |
|        |                    | 7209 MFVLDEADEMLSR[162]                         |          |         |        |
|        |                    | 7210 DFTVSAMHGDMQK[134]ER[162]                  |          |         |        |
|        |                    | 7211 LNSNTQVVLLSATMPSDVLEVTK[134]K[134]         |          |         |        |
|        |                    | 7212 DFTVSAMHGDMQKER                            |          |         |        |
|        |                    | 7213 LNSNTQVVLLSATMPSDVLEVTKK                   |          |         |        |
|        |                    | 7214 GYDVIAQAQSGTGK                             |          |         |        |
|        |                    | 7215 GFK[134]DQIYDIFQK[134]                     |          |         |        |
| Q6R0H7 | Q6R0H7 GNAS1_MOUSE | Guanine nucleotide-binding protein G(s) subur   | 0.43382  | 0.41782 | 8.2966 |
|        |                    | 7216 YTPEDATPEPGEDPR[162]                       |          |         |        |
|        |                    | 7217 VLTSGIFETK                                 |          |         |        |
|        |                    | 7218 YTPEDATPEPGEDPR                            |          |         |        |
|        |                    | 7219 AK[134]YFIR[162]DEFLR[162]                 |          |         |        |
|        |                    | 7220 IEDYFPEFAR[162]                            |          |         |        |
|        |                    | 7221 SK[134]IEDYFPEFAR[162]                     |          |         |        |
|        |                    | 7222 VLTSGIFETK[134]                            |          |         |        |
|        |                    | 7223 IEDYFPEFAR                                 |          |         |        |
|        |                    | 7224 YTPEDATPEPGEDPRVTR                         |          |         |        |
|        |                    | 7225 YFIR[162]DEFLR[162]                        |          |         |        |
|        |                    | 7226 ILHVNGFNGEGGEEDPQAAR                       |          |         |        |
|        |                    | 7227 YTPEDATPEPGEDPR[162]VTR[162]               |          |         |        |
|        |                    | 7228 SKIEDYFPEFAR                               |          |         |        |
|        |                    | 7229 ALWEDEGVR[162]                             |          |         |        |
|        |                    | 7230 QADYVPSDQDLLR[162]                         |          |         |        |

|        |                     |                                                      |          |         |         |
|--------|---------------------|------------------------------------------------------|----------|---------|---------|
|        |                     | 7231 QADYVPSDQDLLR                                   |          |         |         |
|        |                     | 7232 YFIRDEFLR                                       |          |         |         |
|        |                     | 7233 AKYFIRDEFLR                                     |          |         |         |
| Q99LR1 | Q99LR1 ABD12_MOUSE  | Abhydrolase domain-containing protein 12 - M         | -0.04372 | 0.93577 | 13.0653 |
|        |                     | 7234 C[174]AASGSSSSGSAAAALDADC[174]SLK[134]QNLK[162] |          |         |         |
|        |                     | 7235 GTAEPHSASDAGMKR                                 |          |         |         |
|        |                     | 7236 GTAEPHSASDAGMK[134]R[162]                       |          |         |         |
|        |                     | 7237 KLYNIAAPSR                                      |          |         |         |
| Q8R0G7 | Q8R0G7 SPNS1_MOUSE  | Protein spinster homolog 1 - Mus musculus            | 0.76680  | 0.15212 | 7.9545  |
|        |                     | 7238 SGELEVPDC[174]EGLQR                             |          |         |         |
|        |                     | 7239 SGELEVPDC[174]EGLQR[162]                        |          |         |         |
|        |                     | 7240 HSGSPPLSPTSWWADLK[134]                          |          |         |         |
|        |                     | 7241 STR[162]VPVSSVLI                                |          |         |         |
|        |                     | 7242 HSGSPPLSPTSWWADLK                               |          |         |         |
| P31041 | P31041 CD28_MOUSE   | T-cell-specific surface glycoprotein CD28 precu      | 0.45523  | 0.39522 | 16.055  |
|        |                     | 7243 K[134]PYQPYAPAR[162]                            |          |         |         |
|        |                     | 7244 QSPLLVVDSNEVSLSC[174]R[162]                     |          |         |         |
|        |                     | 7245 KPYQPYAPAR                                      |          |         |         |
|        |                     | 7246 QSPLLVVDSNEVSLSC[174]R                          |          |         |         |
|        |                     | 7247 YSYNLLAK                                        |          |         |         |
|        |                     | 7248 YSYNLLAK[134]                                   |          |         |         |
| Q8BFZ3 | Q8BFZ3 Q8BFZ3_MOUSE | 10 days neonate skin cDNA, RIKEN full-length c       | 0.16260  | 0.76138 | 6.117   |
|        |                     | 7249 HQGVMVGMGQKDCYVGDEAQSKR                         |          |         |         |
|        |                     | 7250 HQGVMVGMGQK[134]DCYVGDEAQSK[134]                |          |         |         |
|        |                     | 7251 HQGVMVGMGQKDCYVGDEAQSK                          |          |         |         |
|        |                     | 7252 HQGVMVGMGQK[134]DCYVGDEAQSK[134]R[162]          |          |         |         |
| O09159 | O09159 MA2B1_MOUSE  | Lysosomal alpha-mannosidase precursor - Mu:          | 0.82873  | 0.12169 | 6.9102  |
|        |                     | 7253 FLQDTFGSDGLPR                                   |          |         |         |
|        |                     | 7254 YLC[174]WDVLC[174]TDPVVDNPR                     |          |         |         |
|        |                     | 7255 FLQDTFGSDGLPR[162]                              |          |         |         |
|        |                     | 7256 ASDSLEPPAADLFTGVLPNNYNPPK                       |          |         |         |
|        |                     | 7257 HLVLLSSVSDAAAR                                  |          |         |         |
|        |                     | 7258 HLVLLSSVSDAAAR[162]                             |          |         |         |

|        |                   |                                                  |         |         |         |
|--------|-------------------|--------------------------------------------------|---------|---------|---------|
| P16330 | P16330 CN37_MOUSE | 2',3'-cyclic-nucleotide 3'-phosphodiesterase - I | 0.10831 | 0.83969 | 32.1429 |
|        |                   | 7259 AHVTLGC[174]AADVQPVQTGLDLLDILQQVK[134]      |         |         |         |
|        |                   | 7260 AHVTLGC[174]AADVQPVQTGLDLLDILQQVK           |         |         |         |
|        |                   | 7261 RPPGVLHC[174]TTK                            |         |         |         |
|        |                   | 7262 GGSQGEAVGELPR[162]                          |         |         |         |
|        |                   | 7263 LELVSYFGK[134]                              |         |         |         |
|        |                   | 7264 AGQVFLEELGNHK[134]                          |         |         |         |
|        |                   | 7265 HFISGDEPK[134]                              |         |         |         |
|        |                   | 7266 VLVLDDTNHER[162]                            |         |         |         |
|        |                   | 7267 AAGAEYYAQQEVVKR                             |         |         |         |
|        |                   | 7268 R[162]PPGVLHC[174]TTK[134]                  |         |         |         |
|        |                   | 7269 AAGAEYYAQQEVVK[134]R[162]                   |         |         |         |
|        |                   | 7270 GGSQGEAVGELPR                               |         |         |         |
|        |                   | 7271 HFISGDEPKEK                                 |         |         |         |
|        |                   | 7272 K[134]AGQVFLEELGNHK[134]                    |         |         |         |
|        |                   | 7273 NQWQLSADDLK[134]K[134]                      |         |         |         |
|        |                   | 7274 LSISALFVTPK                                 |         |         |         |
|        |                   | 7275 LELVSYFGK                                   |         |         |         |
| P32067 | P32067 LA_MOUSE   | Lupus La protein homolog - Mus musculus          | 0.18880 | 0.72439 | 17.8313 |
|        |                   | 7276 VLEGHAEKEALKK                               |         |         |         |
|        |                   | 7277 LTTFDNVIVQALSK[134]                         |         |         |         |
|        |                   | 7278 LTTFDNVIVQALSK                              |         |         |         |
|        |                   | 7279 GSIFAVFDSIQSAK                              |         |         |         |
|        |                   | 7280 GSIFAVFDSIQSAK[134]                         |         |         |         |
|        |                   | 7281 GNR[162]PGYAGAPK[134]                       |         |         |         |
|        |                   | 7282 ITDDQQESLNK                                 |         |         |         |
|        |                   | 7283 FK[134]GSHVFTAAR[162]                       |         |         |         |
|        |                   | 7284 FKGSHVFTAAR                                 |         |         |         |
| P62196 | P62196 PRS8_MOUSE | 26S protease regulatory subunit 8 - Mus musculus | 0.37533 | 0.48333 | 22.9064 |
|        |                   | 7285 LEGGSGGDSEVQR                               |         |         |         |
|        |                   | 7286 TMLELLNQLDGFEATK                            |         |         |         |
|        |                   | 7287 LEGGSGGDSEVQR[162]                          |         |         |         |
|        |                   | 7288 FVVDVDK[134]NIDINDVTPNC[174]R[162]          |         |         |         |

|        |                    |                                                |          |         |         |
|--------|--------------------|------------------------------------------------|----------|---------|---------|
|        |                    | 7289 VALRNDSYTLHK                              |          |         |         |
|        |                    | 7290 AVAHTDC[174]TFIR[162]                     |          |         |         |
|        |                    | 7291 VALR[162]NDSYTLHK[134]                    |          |         |         |
|        |                    | 7292 GVC[174]TEAGMYALR[162]                    |          |         |         |
|        |                    | 7293 VSGSELVQK[134]                            |          |         |         |
|        |                    | 7294 FVVDVDKNIDINDVTPNC[174]R                  |          |         |         |
| P70295 | P70295 AUP1_MOUSE  | Ancient ubiquitous protein 1 precursor - Mus r | 0.30895  | 0.56394 | 14.878  |
|        |                    | 7295 LRPQSVQSSFSPSPSSDVQLTTLAHR                |          |         |         |
|        |                    | 7296 VKEVLPHVPLNVIQR                           |          |         |         |
|        |                    | 7297 LR[162]PQSVQSSFSPSPSSDVQLTTLAHR[162]      |          |         |         |
|        |                    | 7298 FPSSGLATPQPTALTFAK[134]                   |          |         |         |
| Q07076 | Q07076 ANXA7_MOUSE | Annexin A7 - Mus musculus                      | 0.33748  | 0.52852 | 22.6782 |
|        |                    | 7299 GFGTDEQAIVDVVSNR[162]                     |          |         |         |
|        |                    | 7300 QSVNHQMAQEDAQR                            |          |         |         |
|        |                    | 7301 QSVNHQMAQEDAQR[162]                       |          |         |         |
|        |                    | 7302 GAGTDDSTLVR[162]                          |          |         |         |
|        |                    | 7303 GAGTDDSTLVR                               |          |         |         |
|        |                    | 7304 ATMEAYSR                                  |          |         |         |
|        |                    | 7305 GFGTDEQAIVDVVSNR                          |          |         |         |
|        |                    | 7306 LGTDESC[174]FNMILATR                      |          |         |         |
|        |                    | 7307 TLSTMIASDTSGDYR[162]K[134]                |          |         |         |
|        |                    | 7308 TLSTMIASDTSGDYRK                          |          |         |         |
|        |                    | 7309 LGTDESC[174]FNMILATR[162]                 |          |         |         |
|        |                    | 7310 TLSTMIASDTSGDYR[162]                      |          |         |         |
|        |                    | 7311 TILQC[174]ALNR[162]PAFFAER[162]           |          |         |         |
|        |                    | 7312 ATMEAYSR[162]                             |          |         |         |
|        |                    | 7313 VLIEILC[174]TR                            |          |         |         |
| Q9D7N9 | Q9D7N9 APMAP_MOUSE | Adipocyte plasma membrane-associated prote     | -0.10405 | 0.84790 | 7.4699  |
|        |                    | 7314 RPLRPQVVTDDGQVPEVK                        |          |         |         |
|        |                    | 7315 R[162]PLR[162]PQVVTDDGQVPEVK[134]         |          |         |         |
|        |                    | 7316 LLLSSETPIEGK[134]                         |          |         |         |
|        |                    | 7317 LLLSSETPIEGK[134]K[134]                   |          |         |         |
|        |                    | 7318 LLLSSETPIEGKK                             |          |         |         |

|        |                    |                                            |          |         |         |
|--------|--------------------|--------------------------------------------|----------|---------|---------|
| Q9DCD0 | Q9DCD0 6PGD_MOUSE  | 7319 LLLSETPIEGK                           | 0.00000  | 1.00000 | 6.4182  |
|        |                    | 6-phosphogluconate dehydrogenase, decarbo: |          |         |         |
|        |                    | 7320 NPELQNLLLDFFK[134]                    |          |         |         |
|        |                    | 7321 GILFVGSGVSGGEEGAR[162]                |          |         |         |
| Q9CZV8 | Q9CZV8 FXL20_MOUSE | 7322 GILFVGSGVSGGEEGAR                     | 0.63408  | 0.23633 | 6.422   |
|        |                    | F-box/LRR-repeat protein 20 - Mus musculus |          |         |         |
|        |                    | 7323 C[174]SQLTDVGFTTLAR[162]              |          |         |         |
|        |                    | 7324 AWWNLALDGSNWQR                        |          |         |         |
| P16460 | P16460 ASSY_MOUSE  | 7325 C[174]SQLTDVGFTTLAR                   | -0.36672 | 0.49908 | 15.2913 |
|        |                    | 7326 AWWNLALDGSNWQR[162]                   |          |         |         |
|        |                    | Argininosuccinate synthase - Mus musculus  |          |         |         |
|        |                    | 7327 APNSPDVLEIEFK[134]K[134]              |          |         |         |
| P63037 | P63037 DNJA1_MOUSE | 7328 TQDPAKAPNSPDVLEIEFKK                  | -0.81816 | 0.13154 | 6.5491  |
|        |                    | 7329 VQVSVFK[134]GQVYILGR[162]             |          |         |         |
|        |                    | 7330 FELTC[174]YSLAPQIK                    |          |         |         |
|        |                    | 7331 FELTC[174]YSLAPQIK[134]               |          |         |         |
| Q8BKE6 | Q8BKE6 CP20A_MOUSE | 7332 MPEFYNR[162]                          | -0.29797 | 0.58286 | 8.658   |
|        |                    | 7333 MPEFYNR                               |          |         |         |
|        |                    | 7334 NDLMEYAK[134]                         |          |         |         |
|        |                    | 7335 GQVYILGR[162]                         |          |         |         |
| Q8BVW3 | Q8BVW3 TRI14_MOUSE | 7336 TQDPAK[134]APNSPDVLEIEFK[134]K[134]   | -0.89616 | 0.09857 | 12.5    |
|        |                    | DnaJ homolog subfamily A member 1 - Mus m  |          |         |         |
|        |                    | 7337 TIVITSHPGQIVK[134]                    |          |         |         |
|        |                    | 7338 QISQAYEVLADSK                         |          |         |         |
| Q8BKE6 | Q8BKE6 CP20A_MOUSE | 7339 QISQAYEVLADSK[134]                    | -0.29797 | 0.58286 | 8.658   |
|        |                    | Cytochrome P450 20A1 - Mus musculus        |          |         |         |
|        |                    | 7340 SLLGYQSGGGSAGEDHVR                    |          |         |         |
|        |                    | 7341 SLLGYQSGGGSAGEDHVR[162]               |          |         |         |
| Q8BVW3 | Q8BVW3 TRI14_MOUSE | 7342 YGPVVSFWFGR[162]                      | -0.89616 | 0.09857 | 12.5    |
|        |                    | 7343 SLLGYQSGGGSAGEDHVR[162]R[162]         |          |         |         |
|        |                    | 7344 TSDPFETMLK[134]                       |          |         |         |
|        |                    | 7345 TPTLDPDTMHAR[162]                     |          |         |         |

|        |                    |                                              |          |         |         |
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|        |                    | 7346 VWGIGQEPNPVQLQAYIATK[134]               |          |         |         |
|        |                    | 7347 APFQPDGAYGWR[162]                       |          |         |         |
|        |                    | 7348 LWEGPISIPR[162]                         |          |         |         |
| Q8R127 | Q8R127 SCPDH_MOUSE | Probable saccharopine dehydrogenase - Mus r  | -0.08954 | 0.86892 | 16.7832 |
|        |                    | 7349 ELNSYSIPFLGSDISVVK[134]                 |          |         |         |
|        |                    | 7350 GGGVFTPGAAFSR[162]                      |          |         |         |
|        |                    | 7351 SVSC[174]LK[134]PVPIVGTK[134]           |          |         |         |
|        |                    | 7352 ELNSYSIPFLGSDISVVK                      |          |         |         |
|        |                    | 7353 GGGVFTPGAAFSR                           |          |         |         |
|        |                    | 7354 AA EK[134]GVYIIGSSGFDSIPADLGVL YTR[162] |          |         |         |
| Q8BFZ9 | Q8BFZ9 ERLN2_MOUSE | Erlin-2 precursor - Mus musculus             | -0.25873 | 0.63343 | 15.5882 |
|        |                    | 7355 GGALLTSTSGPGFHLMLPFITSYK[134]           |          |         |         |
|        |                    | 7356 VAQVAEITYGQK[134]                       |          |         |         |
|        |                    | 7357 ALIEAEKVAQVAEITYGQK                     |          |         |         |
|        |                    | 7358 ALIEAEK[134]VAQVAEITYGQK[134]           |          |         |         |
|        |                    | 7359 GGALLTSTSGPGFHLMLPFITSYK                |          |         |         |
|        |                    | 7360 VAQVAEITYGQK                            |          |         |         |
|        |                    | 7361 LTPEYLQLMK[134]                         |          |         |         |
| P10605 | P10605 CATB_MOUSE  | Cathepsin B precursor - Mus musculus         | 0.90513  | 0.09095 | 38.9381 |
|        |                    | 7362 ILRGENHC[174]GIESEIVAGIPR               |          |         |         |
|        |                    | 7363 TDQYWGRF                                |          |         |         |
|        |                    | 7364 ILR[162]GENHC[174]GIESEIVAGIPR[162]     |          |         |         |
|        |                    | 7365 TDQYWGR[162]F                           |          |         |         |
|        |                    | 7366 SC[174]EAGYSPSYKEDKHFGYTSYSVSNSVK       |          |         |         |
|        |                    | 7367 SC[174]EAGYSPSYK                        |          |         |         |
|        |                    | 7368 NFYNVDISYLK[134]                        |          |         |         |
|        |                    | 7369 EQWSNC[174]PTIGQIR                      |          |         |         |
|        |                    | 7370 NFYNVDISYLK                             |          |         |         |
|        |                    | 7371 VAFGEDIDLPE TFDAR                       |          |         |         |
|        |                    | 7372 VAFGEDIDLPE TFDAR[162]                  |          |         |         |
|        |                    | 7373 EQWSNC[174]PTIGQIR[162]                 |          |         |         |
|        |                    | 7374 GENHC[174]GIESEIVAGIPR                  |          |         |         |
|        |                    | 7375 SC[174]EAGYSPSYKEDK                     |          |         |         |

|        |                   |                                              |          |         |        |
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|        |                   | 7376 HFGYTSYSVSNSVK[134]                     |          |         |        |
|        |                   | 7377 GENHC[174]GIESEIVAGIPR[162]             |          |         |        |
|        |                   | 7378 NGPVEGAFTVFSDFLTYK                      |          |         |        |
|        |                   | 7379 NGPVEGAFTVFSDFLTYK[134]                 |          |         |        |
|        |                   | 7380 SGVYKHEAGDMMGGHAIR                      |          |         |        |
|        |                   | 7381 SGVYK[134]HEAGDMMGGHAIR[162]            |          |         |        |
| Q62087 | Q62087 PON3_MOUSE | Serum paraoxonase/lactonase 3 - Mus muscul   | -0.28688 | 0.59696 | 20.904 |
|        |                   | 7382 IQDSLSDKPR                              |          |         |        |
|        |                   | 7383 IQDSLSDK[134]PR[162]                    |          |         |        |
|        |                   | 7384 VIQLGTLVDNLTVPATGDILAGC[174]HPNPMK[134] |          |         |        |
|        |                   | 7385 TLKHELLK                                |          |         |        |
|        |                   | 7386 LLIYNPEDPPGSEVLR                        |          |         |        |
|        |                   | 7387 LLIYNPEDPPGSEVLR[162]                   |          |         |        |
|        |                   | 7388 FVYVADVTAK[134]                         |          |         |        |
| P47911 | P47911 RL6_MOUSE  | 60S ribosomal protein L6 - Mus musculus      | -0.73380 | 0.17620 | 50     |
|        |                   | 7389 SSITPGTVLIILTGR[162]                    |          |         |        |
|        |                   | 7390 AVDLQILPK[134]                          |          |         |        |
|        |                   | 7391 AVPQLQGYLR[162]                         |          |         |        |
|        |                   | 7392 AVDLQILPK                               |          |         |        |
|        |                   | 7393 SSITPGTVLIILTGR                         |          |         |        |
|        |                   | 7394 HLTDAYFK[134]                           |          |         |        |
|        |                   | 7395 AVPQLQGYLR                              |          |         |        |
|        |                   | 7396 QLDSGLLLVGTGPLVINR[162]                 |          |         |        |
|        |                   | 7397 QLDSGLLLVGTGPLVINR[162]VPLR[162]R[162]  |          |         |        |
|        |                   | 7398 IK[134]AVPQLQGYLR[162]                  |          |         |        |
|        |                   | 7399 HLTDAYFK                                |          |         |        |
|        |                   | 7400 YYPTEDVPR                               |          |         |        |
|        |                   | 7401 YYPTEDVPR[162]K[134]                    |          |         |        |
|        |                   | 7402 HQEGEIFDTEKEKYEITEQR                    |          |         |        |
|        |                   | 7403 AK[134]PHC[174]SR[162]NPVLVR[162]       |          |         |        |
|        |                   | 7404 KADQKAVDLQILPK                          |          |         |        |
|        |                   | 7405 SQFSLTNGMYPHK[134]                      |          |         |        |
|        |                   | 7406 SQFSLTNGMYPHK[134]LVF                   |          |         |        |



|        |                    |                                            |         |         |         |
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|        |                    | 7407 IKAVPQLQGYLR                          |         |         |         |
|        |                    | 7408 QLDSGLLLVTGPLVINR                     |         |         |         |
|        |                    | 7409 VDISDVK[134]IPK[134]                  |         |         |         |
|        |                    | 7410 SQFSLTNGMYPHK                         |         |         |         |
|        |                    | 7411 YYPTEDVPR[162]                        |         |         |         |
|        |                    | 7412 HQEGEIFDTEK                           |         |         |         |
|        |                    | 7413 FVIATSTK[134]                         |         |         |         |
|        |                    | 7414 ADQK[134]AVDLQILPK[134]               |         |         |         |
|        |                    | 7415 YEITEQR[162]                          |         |         |         |
|        |                    | 7416 NPVLVR[162]                           |         |         |         |
|        |                    | 7417 NPVLVR                                |         |         |         |
| Q80V26 | Q80V26 IMPA3_MOUSE | Inositol monophosphatase 3 - Mus musculus  | 1.58496 | 0.00308 | 6.1798  |
|        |                    | 7418 VR[162]ESNVLHEK[134]                  |         |         |         |
|        |                    | 7419 VRESNVLHEK                            |         |         |         |
|        |                    | 7420 EMLAVAVLAAER[162]                     |         |         |         |
|        |                    | 7421 EMLAVAVLAAER                          |         |         |         |
| P09411 | P09411 PGK1_MOUSE  | Phosphoglycerate kinase 1 - Mus musculus   | 0.59149 | 0.26931 | 43.8849 |
|        |                    | 7422 GC[174]ITIIGGGDTATC[174]C[174]AK      |         |         |         |
|        |                    | 7423 GC[174]ITIIGGGDTATC[174]C[174]AK[134] |         |         |         |
|        |                    | 7424 ITLPVDFVTADKFDENAK                    |         |         |         |
|        |                    | 7425 ITLPVDFVTADK[134]FDENAK[134]          |         |         |         |
|        |                    | 7426 VLNNMEIGTSLYDEEGAK                    |         |         |         |
|        |                    | 7427 VLNNMEIGTSLYDEEGAK[134]               |         |         |         |
|        |                    | 7428 ALESPERPFLAILGGAK                     |         |         |         |
|        |                    | 7429 ALESPER[162]PFLAILGGAK[134]           |         |         |         |
|        |                    | 7430 LGDVYVNDAFGTAHR[162]                  |         |         |         |
|        |                    | 7431 TGQATVASGIPAGWMGLDC[174]GTESSKK       |         |         |         |
|        |                    | 7432 WNTEDKVSHVSTGGGASLELLEGK              |         |         |         |
|        |                    | 7433 LGDVYVNDAFGTAHR                       |         |         |         |
|        |                    | 7434 FHVEEEGKGKDASGNK                      |         |         |         |
|        |                    | 7435 SLLGK[134]DVLFLK[134]                 |         |         |         |
|        |                    | 7436 VLPGVDALSNV                           |         |         |         |
|        |                    | 7437 SLLGKDVFLK                            |         |         |         |

|        |                     |                                                |          |         |         |
|--------|---------------------|------------------------------------------------|----------|---------|---------|
|        |                     | 7438 FHVEEEGK[134]GK[134]DASGNK[134]           |          |         |         |
|        |                     | 7439 FHVEEEGKGK                                |          |         |         |
|        |                     | 7440 TGQATVASGIPAGWMGLDC[174]GTESSK[134]K[134] |          |         |         |
|        |                     | 7441 AEPKIDAFR                                 |          |         |         |
| P24452 | P24452 CAPG_MOUSE   | Macrophage-capping protein - Mus musculus      | -0.47162 | 0.38468 | 25.2841 |
|        |                     | 7442 VSDATGQMNLTK[134]                         |          |         |         |
|        |                     | 7443 LK[134]PVPIAR[162]                        |          |         |         |
|        |                     | 7444 VSDATGQMNLTK                              |          |         |         |
|        |                     | 7445 QAALQVADGFISR[162]                        |          |         |         |
|        |                     | 7446 QAALQVADGFISR                             |          |         |         |
|        |                     | 7447 AQVEIITDGEIPAEMIQVLGPK[134]PALK[134]      |          |         |         |
|        |                     | 7448 YSPNTQVEILPQGR[162]                       |          |         |         |
|        |                     | 7449 YSPNTQVEILPQGR                            |          |         |         |
|        |                     | 7450 EVQGNESDLFMSYFPR[162]                     |          |         |         |
| P42208 | P42208 SEPT2_MOUSE  | Septin-2 - Mus musculus                        | 0.31759  | 0.55309 | 16.3435 |
|        |                     | 7451 ASIPFSVVGSNQLIEAK[134]                    |          |         |         |
|        |                     | 7452 ASIPFSVVGSNQLIEAK                         |          |         |         |
|        |                     | 7453 STLINSLFLTDLYPER[162]                     |          |         |         |
|        |                     | 7454 QQPTQFINPETPGYVGFANLPNQVHR[162]           |          |         |         |
| Q3TNN6 | Q3TNN6 Q3TNN6_MOUSE | 10 days neonate olfactory brain cDNA, RIKEN f  | -0.39394 | 0.46776 | 6.8768  |
|        |                     | 7455 YR[162]EGGVESAFHK[134]                    |          |         |         |
|        |                     | 7456 TTSGATPAAIR[162]K[134]                    |          |         |         |
|        |                     | 7457 TTSGATPAAIR[162]                          |          |         |         |
|        |                     | 7458 YREGGVESAFHK                              |          |         |         |
| Q62086 | Q62086 PON2_MOUSE   | Serum paraoxonase/arylesterase 2 - Mus musc    | -0.06609 | 0.90304 | 13.2768 |
|        |                     | 7459 LFVYHPNHPPASEVLR                          |          |         |         |
|        |                     | 7460 LFVYHPNHPPASEVLR[162]                     |          |         |         |
|        |                     | 7461 YVYVADILAHEIHVLEK[134]                    |          |         |         |
|        |                     | 7462 EVESVDLPNC[174]HLIK[134]                  |          |         |         |
| Q8BK64 | Q8BK64 AHSA1_MOUSE  | Activator of 90 kDa heat shock protein ATPase  | -0.36565 | 0.50033 | 12.1302 |
|        |                     | 7463 VFTTQELVQAFTHAPAALEADR[162]GGK[134]       |          |         |         |
|        |                     | 7464 ITLK[134]ETFLTSPEELYR[162]                |          |         |         |
|        |                     | 7465 VFTTQELVQAFTHAPAALEADRGK                  |          |         |         |

|        |                    |                                               |          |         |         |
|--------|--------------------|-----------------------------------------------|----------|---------|---------|
| Q8BMD8 | Q8BMD8 SCMC1_MOUSE | Calcium-binding mitochondrial carrier protein | -0.67377 | 0.21427 | 9.8947  |
|        |                    | 7466 FISGSMAGATAQTFIYPMEVLK[134]              |          |         |         |
|        |                    | 7467 VLPVAGISYVVYENMK[134]                    |          |         |         |
|        |                    | 7468 SMNIFGGFR                                |          |         |         |
|        |                    | 7469 SMNIFGGFR[162]                           |          |         |         |
| Q9DB77 | Q9DB77 QCR2_MOUSE  | Cytochrome b-c1 complex subunit 2, mitochor   | -0.60666 | 0.26348 | 33.1126 |
|        |                    | 7470 AVAQGNLSSADVQAAK                         |          |         |         |
|        |                    | 7471 AVAQGNLSSADVQAAK[134]                    |          |         |         |
|        |                    | 7472 GNNTTSLLSQSVAK[134]                      |          |         |         |
|        |                    | 7473 LPNGLVIASLENYAPLSR[162]                  |          |         |         |
|        |                    | 7474 ITSEELHYFVQNHFTSAR                       |          |         |         |
|        |                    | 7475 ITSEELHYFVQNHFTSAR[162]                  |          |         |         |
|        |                    | 7476 YEDSNNLGTSHELLR[162]                     |          |         |         |
|        |                    | 7477 AGSR[162]YEDSNNLGTSHELLR[162]            |          |         |         |
|        |                    | 7478 LPNGLVIASLENYAPLSR                       |          |         |         |
|        |                    | 7479 GNNTTSLLSQSVAK                           |          |         |         |
|        |                    | 7480 ILENLHDVAYK[134]                         |          |         |         |
|        |                    | 7481 ILENLHDVAYK                              |          |         |         |
|        |                    | 7482 MALVGLGVSHSVLK[134]                      |          |         |         |
|        |                    | 7483 NALANPLYC[174]PDYR[162]                  |          |         |         |
|        |                    | 7484 SMAASGNLGHTPFLDEL                        |          |         |         |
|        |                    | 7485 RGNNTTSLLSQSVAK                          |          |         |         |
|        |                    | 7486 AVAFQNSQTR                               |          |         |         |
|        |                    | 7487 AVAFQNSQTR[162]                          |          |         |         |
| P62835 | P62835 RAP1A_MOUSE | Ras-related protein Rap-1A precursor - Mus m  | -0.16277 | 0.76417 | 50      |
|        |                    | 7488 SK[134]INVNEIFYDLVR[162]                 |          |         |         |
|        |                    | 7489 LVVLGSGGVGK[134]                         |          |         |         |
|        |                    | 7490 VVGK[134]EQGQNLAR[162]                   |          |         |         |
|        |                    | 7491 INVNEIFYDLVR                             |          |         |         |
|        |                    | 7492 INVNEIFYDLVR[162]                        |          |         |         |
|        |                    | 7493 VVGKEQGQNLAR                             |          |         |         |
|        |                    | 7494 LVVLGSGGVGK                              |          |         |         |
|        |                    | 7495 SKINVNEIFYDLVR                           |          |         |         |

|        |                     |                                                |          |         |         |
|--------|---------------------|------------------------------------------------|----------|---------|---------|
|        |                     | 7496 NGQGFALVYSITAQSTFNDLQDLR[162]EQILR[162]   |          |         |         |
|        |                     | 7497 SALTVQFVQGIFVEKYDPTIEDSYRK                |          |         |         |
|        |                     | 7498 SALTVQFVQGIFVEK[134]                      |          |         |         |
|        |                     | 7499 YDPTIEDSYR[162]K[134]                     |          |         |         |
| Q3TZ86 | Q3TZ86 Q3TZ86_MOUSE | Adult inner ear cDNA, RIKEN full-length enrich | -0.08881 | 0.86997 | 3.7037  |
|        |                     | 7500 TFTPSTTDTSTR[162]                         |          |         |         |
|        |                     | 7501 TFTPSTTDTSTR                              |          |         |         |
|        |                     | 7502 TFTPSTTDTSTRK                             |          |         |         |
|        |                     | 7503 TFTPSTTDTSTR[162]K[134]                   |          |         |         |
| O88986 | O88986 KBL_MOUSE    | 2-amino-3-ketobutyrate coenzyme A ligase, m    | -0.89616 | 0.09857 | 8.4135  |
|        |                     | 7504 ALGGASGGYTTGPEPLVSLLR                     |          |         |         |
|        |                     | 7505 ALGGASGGYTTGPEPLVSLLR[162]                |          |         |         |
|        |                     | 7506 GIFVIGFSYPVVPK[134]                       |          |         |         |
| P05064 | P05064 ALDOA_MOUSE  | Fructose-bisphosphate aldolase A - Mus musci   | 0.34211  | 0.52287 | 33.2418 |
|        |                     | 7507 YTPSGQSGAAASESLFISNHAY                    |          |         |         |
|        |                     | 7508 IGEHTPSALAIMENANVLAR                      |          |         |         |
|        |                     | 7509 IGEHTPSALAIMENANVLAR[162]                 |          |         |         |
|        |                     | 7510 FSNEEIAMATVTALR[162]R[162]                |          |         |         |
|        |                     | 7511 GILAADESTGSIK[134]R[162]                  |          |         |         |
|        |                     | 7512 FSNEEIAMATVTALRR                          |          |         |         |
|        |                     | 7513 GILAADESTGSIK[134]                        |          |         |         |
|        |                     | 7514 ALANSLAC[174]QGK[134]                     |          |         |         |
|        |                     | 7515 GILAADESTGSIK                             |          |         |         |
|        |                     | 7516 AAQEEYIK[134]R[162]                       |          |         |         |
|        |                     | 7517 ALANSLAC[174]QGK                          |          |         |         |
|        |                     | 7518 IVAPGKGILAADESTGSIK                       |          |         |         |
|        |                     | 7519 GILAADESTGSIKR                            |          |         |         |
|        |                     | 7520 AAQEEYIKR                                 |          |         |         |
|        |                     | 7521 ELSDIAHR                                  |          |         |         |
|        |                     | 7522 FSNEEIAMATVTALR[162]                      |          |         |         |
|        |                     | 7523 IVAPGKGILAADESTGSIKR                      |          |         |         |
|        |                     | 7524 RLQSIGTENTENRR                            |          |         |         |
|        |                     | 7525 IVAPGK[134]GILAADESTGSIK[134]             |          |         |         |

|        |                    |                                              |          |         |         |
|--------|--------------------|----------------------------------------------|----------|---------|---------|
|        |                    | 7526 ELSDIAHR[162]                           |          |         |         |
| P27512 | P27512 TNR5_MOUSE  | Tumor necrosis factor receptor superfamily m | 1.21313  | 0.02347 | 12.8028 |
|        |                    | 7527 QVTDSIALR[162]PLV                       |          |         |         |
|        |                    | 7528 QVTDSIALRPLV                            |          |         |         |
|        |                    | 7529 GTSQTNVIC[174]GLK                       |          |         |         |
|        |                    | 7530 GTSQTNVIC[174]GLK[134]                  |          |         |         |
|        |                    | 7531 EGTAESDTC[174]TC[174]K[134]             |          |         |         |
|        |                    | 7532 EGTAESDTC[174]TC[174]K                  |          |         |         |
| P60335 | P60335 PCBP1_MOUSE | Poly(rC)-binding protein 1 - Mus musculus    | -0.08507 | 0.87540 | 15.4494 |
|        |                    | 7533 INISEGNC[174]PER[162]                   |          |         |         |
|        |                    | 7534 INISEGNC[174]PER                        |          |         |         |
|        |                    | 7535 IITLTGPTNAIFK[134]                      |          |         |         |
|        |                    | 7536 IANPVEGSSGR[162]                        |          |         |         |
|        |                    | 7537 ESTGAQVQVAGDMLPNSTER                    |          |         |         |
|        |                    | 7538 ESTGAQVQVAGDMLPNSTER[162]               |          |         |         |
|        |                    | 7539 IANPVEGSSGR                             |          |         |         |
|        |                    | 7540 IITLTGPTNAIFK                           |          |         |         |
| P62334 | P62334 PRS10_MOUSE | 26S protease regulatory subunit S10B - Mus m | 0.22498  | 0.67436 | 35.4756 |
|        |                    | 7541 K[134]IHIDLPEQAR[162]                   |          |         |         |
|        |                    | 7542 VGIIPPK[134]GC[174]LLYGPPGTGK[134]      |          |         |         |
|        |                    | 7543 VVSSSIVDKYIGESAR                        |          |         |         |
|        |                    | 7544 ALQSVGQIVGEVLK                          |          |         |         |
|        |                    | 7545 ALQSVGQIVGEVLK[134]                     |          |         |         |
|        |                    | 7546 VALDMTTLTIMR[162]                       |          |         |         |
|        |                    | 7547 AVASQLDC[174]NFLK[134]                  |          |         |         |
|        |                    | 7548 FSEGTSADR[162]EIQR[162]                 |          |         |         |
|        |                    | 7549 HGEIDYEAIVK[134]                        |          |         |         |
|        |                    | 7550 VVSSSIVDK[134]YIGESAR[162]              |          |         |         |
|        |                    | 7551 AVASQLDC[174]NFLK                       |          |         |         |
|        |                    | 7552 VGIIPPKGC[174]LLYGPPGTGK                |          |         |         |
|        |                    | 7553 ELREVIELPLTNPELFQR                      |          |         |         |
|        |                    | 7554 ELR[162]EVIELPLTNPELFQR[162]            |          |         |         |
|        |                    | 7555 EVIELPLTNPELFQR                         |          |         |         |

|        |                     |                                                |          |         |         |
|--------|---------------------|------------------------------------------------|----------|---------|---------|
|        |                     | 7556 HGEIDYEAIK                                |          |         |         |
|        |                     | 7557 EVIELPLTNPELFQR[162]                      |          |         |         |
|        |                     | 7558 LSDGFNGADLR[162]                          |          |         |         |
|        |                     | 7559 VALDMTTLTIMR                              |          |         |         |
| Q3TXY2 | Q3TXY2 Q3TXY2_MOUSE | Visual cortex cDNA, RIKEN full-length enriched | 0.85258  | 0.11132 | 11.0701 |
|        |                     | 7560 SIAYYYDNPHTVPPEK                          |          |         |         |
|        |                     | 7561 ETSATTLSPGAGNR                            |          |         |         |
|        |                     | 7562 ETSATTLSPGAGNR[162]                       |          |         |         |
| Q61263 | Q61263 SOAT1_MOUSE  | Sterol O-acyltransferase 1 - Mus musculus      | -0.24732 | 0.64848 | 11.4815 |
|        |                     | 7563 LLAAEAEELKPLFMK                           |          |         |         |
|        |                     | 7564 LLAAEAEELK[134]PLFMK[134]                 |          |         |         |
|        |                     | 7565 FILILEQIR[162]                            |          |         |         |
|        |                     | 7566 SASLDNGGC[174]ALTTFSILEEMK[134]K[134]     |          |         |         |
|        |                     | 7567 EVGC[174]HFDDFVTNLIEK                     |          |         |         |
|        |                     | 7568 EVGC[174]HFDDFVTNLIEK[134]                |          |         |         |
| Q8BVI5 | Q8BVI5 STX16_MOUSE  | Syntaxin-16 - Mus musculus                     | 0.65232  | 0.22312 | 27.3006 |
|        |                     | 7569 QLLAEQVSSHSTSSPLHSR                       |          |         |         |
|        |                     | 7570 HAQSDYLKR                                 |          |         |         |
|        |                     | 7571 LTDAFLLLR[162]                            |          |         |         |
|        |                     | 7572 RLTDAFLLLR                                |          |         |         |
|        |                     | 7573 LTDAFLLLR                                 |          |         |         |
|        |                     | 7574 MALVSGISLDPEAAIGVTK                       |          |         |         |
|        |                     | 7575 MALVSGISLDPEAAIGVTK[134]                  |          |         |         |
|        |                     | 7576 QIVQSISDLNEIFR[162]                       |          |         |         |
|        |                     | 7577 QIVQSISDLNEIFR                            |          |         |         |
|        |                     | 7578 R[162]LTDAFLLLR[162]                      |          |         |         |
|        |                     | 7579 SPPKWVDGVDEIQYDVGR                        |          |         |         |
|        |                     | 7580 HAQSDYLK[134]R[162]                       |          |         |         |
| Q8VCN5 | Q8VCN5 CGL_MOUSE    | Cystathionine gamma-lyase - Mus musculus       | 0.36018  | 0.50116 | 12.0603 |
|        |                     | 7581 ATLGINDTLIR                               |          |         |         |
|        |                     | 7582 ATLGINDTLIR[162]                          |          |         |         |
|        |                     | 7583 LVWIETPTNPTLK                             |          |         |         |
|        |                     | 7584 LLEAAITPQTK                               |          |         |         |

|        |                    |      |                                             |          |         |         |
|--------|--------------------|------|---------------------------------------------|----------|---------|---------|
|        |                    | 7585 | AVVLPISLATTFK                               |          |         |         |
| Q9CYH6 | Q9CYH6 RRS1_MOUSE  |      | Ribosome biogenesis regulatory protein homo | -0.39366 | 0.46808 | 13.4247 |
|        |                    | 7586 | LPTERVEEAVVAR                               |          |         |         |
|        |                    | 7587 | TNLVWDEASGQWR[162]                          |          |         |         |
|        |                    | 7588 | DNTQLLINQLWR[162]                           |          |         |         |
|        |                    | 7589 | QAGPSPEAELR[162]                            |          |         |         |
|        |                    | 7590 | DNTQLLINQLWR                                |          |         |         |
|        |                    | 7591 | LPTER[162]VEEAVVAR[162]                     |          |         |         |
|        |                    | 7592 | QAGPSPEAELR                                 |          |         |         |
|        |                    | 7593 | VEEAVVAR[162]                               |          |         |         |
| Q9DBS1 | Q9DBS1 TMM43_MOUSE |      | Transmembrane protein 43 - Mus musculus     | -0.28473 | 0.59971 | 6       |
|        |                    | 7594 | LVHIIGALR                                   |          |         |         |
|        |                    | 7595 | LVHIIGALR[162]                              |          |         |         |
|        |                    | 7596 | LLSDPNYGVHLPVVK                             |          |         |         |
| Q9Z204 | Q9Z204 HNRPC_MOUSE |      | Heterogeneous nuclear ribonucleoproteins C1 | -0.72899 | 0.17905 | 15.9744 |
|        |                    | 7597 | MIAGQVLDINLAAEPK[134]                       |          |         |         |
|        |                    | 7598 | VFIGNLNTLVVK[134]                           |          |         |         |
|        |                    | 7599 | LK[134]GDDLQAIK[134]K[134]                  |          |         |         |
|        |                    | 7600 | VFIGNLNTLVVK                                |          |         |         |
|        |                    | 7601 | GFAFVQYVNER[162]                            |          |         |         |
| Q9CXY9 | Q9CXY9 GPI8_MOUSE  |      | GPI-anchor transamidase precursor - Mus mus | -0.18345 | 0.73526 | 8.6076  |
|        |                    | 7602 | NVLITDFFGSVR[162]                           |          |         |         |
|        |                    | 7603 | NVLITDFFGSVR                                |          |         |         |
|        |                    | 7604 | NPKPATVFSHK                                 |          |         |         |
|        |                    | 7605 | NPK[134]PATVFSHK[134]                       |          |         |         |
|        |                    | 7606 | SYEVTVENFLR                                 |          |         |         |
| P62242 | P62242 RS8_MOUSE   |      | 40S ribosomal protein S8 - Mus musculus     | -0.60666 | 0.26348 | 38.9423 |
|        |                    | 7607 | ISSLLEEQQQGK[134]                           |          |         |         |
|        |                    | 7608 | IIDVVYNASNNELVR                             |          |         |         |
|        |                    | 7609 | IIDVVYNASNNELVR[162]                        |          |         |         |
|        |                    | 7610 | LDVGNFSWGSEC[174]C[174]TR[162]              |          |         |         |
|        |                    | 7611 | ISSLLEEQQQGK                                |          |         |         |
|        |                    | 7612 | LTPEEEIILNK[134]                            |          |         |         |

|        |                     |                                                   |          |         |         |
|--------|---------------------|---------------------------------------------------|----------|---------|---------|
|        |                     | 7613 YELGR[162]PAANTK[134]                        |          |         |         |
|        |                     | 7614 KYELGRPAANTK                                 |          |         |         |
|        |                     | 7615 YELGRPAANTK                                  |          |         |         |
|        |                     | 7616 LLAC[174]IASR[162]PGQC[174]GR[162]           |          |         |         |
|        |                     | 7617 RKYELGRPAANTK                                |          |         |         |
| A2AR26 | A2AR26 A2AR26_MOUSE | Solute carrier family 2 (Facilitated glucose tran | 1.18184  | 0.02730 | 7.9007  |
|        |                     | 7618 TEGLDYDTFPEVPATPGERER                        |          |         |         |
|        |                     | 7619 SRDEEALQALTWLR                               |          |         |         |
|        |                     | 7620 TEGLDYDTFPEVPATPGER[162]ER[162]              |          |         |         |
|        |                     | 7621 SR[162]DEEALQALTWLR[162]                     |          |         |         |
| P05201 | P05201 AATC_MOUSE   | Aspartate aminotransferase, cytoplasmic - Mu      | -0.25965 | 0.63222 | 31.2349 |
|        |                     | 7622 IANDNSLNHEYLPILGLAEFR                        |          |         |         |
|        |                     | 7623 IANDNSLNHEYLPILGLAEFR[162]                   |          |         |         |
|        |                     | 7624 ITWSNPPAQGAR[162]                            |          |         |         |
|        |                     | 7625 VGGVQSLGGTGALR                               |          |         |         |
|        |                     | 7626 VGGVQSLGGTGALR[162]                          |          |         |         |
|        |                     | 7627 IGADFLGR[162]                                |          |         |         |
|        |                     | 7628 TDESQPWVLPVVR[162]                           |          |         |         |
|        |                     | 7629 NLDYVATSIHEAVTK                              |          |         |         |
|        |                     | 7630 NLDYVATSIHEAVTK[134]                         |          |         |         |
|        |                     | 7631 IVAATLSDPELFK[134]EWK[134]                   |          |         |         |
|        |                     | 7632 IVAATLSDPELFKEWK                             |          |         |         |
|        |                     | 7633 TDESQPWVLPVVR                                |          |         |         |
|        |                     | 7634 IVAATLSDPELFK                                |          |         |         |
|        |                     | 7635 IVAATLSDPELFK[134]                           |          |         |         |
|        |                     | 7636 K[134]VNLGVGAYR[162]                         |          |         |         |
|        |                     | 7637 VNLGVGAYR                                    |          |         |         |
|        |                     | 7638 ITWSNPPAQGAR                                 |          |         |         |
|        |                     | 7639 VGNLTVVGK[134]                               |          |         |         |
|        |                     | 7640 LVLGDNSPAIR[162]                             |          |         |         |
|        |                     | 7641 VNLGVGAYR[162]                               |          |         |         |
| P21278 | P21278 GNA11_MOUSE  | Guanine nucleotide-binding protein alpha-11 s     | 0.16260  | 0.76138 | 17.5487 |
|        |                     | 7642 IATVGYLPTQQDVLR[162]                         |          |         |         |



|        |                   |                                              |          |         |        |
|--------|-------------------|----------------------------------------------|----------|---------|--------|
|        |                   | 7643 IATVGYLPTQQDVLR                         |          |         |        |
|        |                   | 7644 MVDVGGQR                                |          |         |        |
|        |                   | 7645 LLLGTGESGK[134]                         |          |         |        |
|        |                   | 7646 LLLGTGESGK                              |          |         |        |
|        |                   | 7647 FVFAAVK[134]DTILQLNLK[134]              |          |         |        |
|        |                   | 7648 VTTFEHQYVNAIK                           |          |         |        |
|        |                   | 7649 VTTFEHQYVNAIK[134]                      |          |         |        |
| P21279 | P21279 GNAQ_MOUSE | Guanine nucleotide-binding protein G(q) subu | -0.05208 | 0.92352 | 37.883 |
|        |                   | 7650 EVDVEKVSAFENPYVDAIK                     |          |         |        |
|        |                   | 7651 VPTTGIIIEYPFDLQSVIFR                    |          |         |        |
|        |                   | 7652 VRVPTTGIIIEYPFDLQSVIFR                  |          |         |        |
|        |                   | 7653 VR[162]VPTTGIIIEYPFDLQSVIFR[162]        |          |         |        |
|        |                   | 7654 YYLNDLDRVADPSYLPPTQQDVLR                |          |         |        |
|        |                   | 7655 YYLNDLDR[162]VADPSYLPPTQQDVLR[162]      |          |         |        |
|        |                   | 7656 VPTTGIIIEYPFDLQSVIFR[162]               |          |         |        |
|        |                   | 7657 VSAFENPYVDAIK[134]                      |          |         |        |
|        |                   | 7658 IMYSHLVDYFPEYDGPQR[162]                 |          |         |        |
|        |                   | 7659 R[162]INDEIER[162]                      |          |         |        |
|        |                   | 7660 VSAFENPYVDAIK                           |          |         |        |
|        |                   | 7661 VADPSYLPPTQQDVLR                        |          |         |        |
|        |                   | 7662 EVDVEK[134]VSAFENPYVDAIK[134]           |          |         |        |
|        |                   | 7663 RINDEIER                                |          |         |        |
|        |                   | 7664 YYLNDLDR[162]                           |          |         |        |
|        |                   | 7665 VADPSYLPPTQQDVLR[162]                   |          |         |        |
|        |                   | 7666 YYLNDLDR                                |          |         |        |
|        |                   | 7667 SLWNDPGIQEC[174]YDR                     |          |         |        |
|        |                   | 7668 AMDTLKIPYKYEHNK                         |          |         |        |
|        |                   | 7669 AMDTLK[134]IPYK[134]YEHNK[134]          |          |         |        |
|        |                   | 7670 YEHNK[134]AHAQLVR[162]                  |          |         |        |
|        |                   | 7671 YEHNKAHAQLVR                            |          |         |        |
|        |                   | 7672 SLWNDPGIQEC[174]YDR[162]                |          |         |        |
|        |                   | 7673 RREYQLSDSTK                             |          |         |        |
|        |                   | 7674 REYQLSDSTK                              |          |         |        |

|        |                    |                                               |         |         |         |
|--------|--------------------|-----------------------------------------------|---------|---------|---------|
|        |                    | 7675 R[162]EYQLSDSTK[134]                     |         |         |         |
|        |                    | 7676 EYQLSDSTK[134]                           |         |         |         |
|        |                    | 7677 IPYK[134]YEHNK[134]                      |         |         |         |
|        |                    | 7678 IPYKYEHNK                                |         |         |         |
|        |                    | 7679 IPYKYEHNKAHAQLVR                         |         |         |         |
| P27601 | P27601 GNA13_MOUSE | Guanine nucleotide-binding protein alpha-13 s | 0.04203 | 0.93743 | 44.8276 |
|        |                    | 7680 ALWEDSGIQNAYDR                           |         |         |         |
|        |                    | 7681 ALWEDSGIQNAYDR[162]                      |         |         |         |
|        |                    | 7682 GIHEYDFEIK[134]                          |         |         |         |
|        |                    | 7683 IIHGQDFDQR                               |         |         |         |
|        |                    | 7684 DVKDTILHDNLK                             |         |         |         |
|        |                    | 7685 APMAAQGMVETR[162]                        |         |         |         |
|        |                    | 7686 LGVPDYIPSQQDILLAR[162]                   |         |         |         |
|        |                    | 7687 AREEFRPTIYSNVIK                          |         |         |         |
|        |                    | 7688 LGVPDYIPSQQDILLAR                        |         |         |         |
|        |                    | 7689 VFLQYLPAIR[162]                          |         |         |         |
|        |                    | 7690 IIHGQDFDQR[162]                          |         |         |         |
|        |                    | 7691 VFLQYLPAIR                               |         |         |         |
|        |                    | 7692 LVFRDVKDTILHDNLK                         |         |         |         |
|        |                    | 7693 LVFR[162]DVK[134]DTILHDNLK[134]          |         |         |         |
|        |                    | 7694 APMAAQGMVETR                             |         |         |         |
|        |                    | 7695 LTESLNIFETIVNNR                          |         |         |         |
|        |                    | 7696 LTESLNIFETIVNNR[162]                     |         |         |         |
|        |                    | 7697 DQQQR[162]PLYHHFTTAINENIR[162]           |         |         |         |
|        |                    | 7698 DQQQRPLYHHFTTAINENIR                     |         |         |         |
|        |                    | 7699 DVK[134]DTILHDNLK[134]                   |         |         |         |
|        |                    | 7700 GIHEYDFEIK                               |         |         |         |
|        |                    | 7701 AR[162]EEFR[162]PTIYSNVIK[134]           |         |         |         |
|        |                    | 7702 RREFQLGESVK                              |         |         |         |
|        |                    | 7703 EK[134]LHIPWGDNK[134]                    |         |         |         |
|        |                    | 7704 LMAFDTR[162]                             |         |         |         |
|        |                    | 7705 R[162]EFQLGESVK[134]                     |         |         |         |
|        |                    | 7706 REFQLGESVK                               |         |         |         |

|        |                    |                                                  |          |         |         |
|--------|--------------------|--------------------------------------------------|----------|---------|---------|
|        |                    | 7707 LMAFDTR                                     |          |         |         |
|        |                    | 7708 EEFR[162]PTIYSNVIK[134]                     |          |         |         |
|        |                    | 7709 EFQLGESVK[134]                              |          |         |         |
|        |                    | 7710 DTILHDNLK[134]                              |          |         |         |
| P61161 | P61161 ARP2_MOUSE  | Actin-related protein 2 - Mus musculus           | -0.04372 | 0.93577 | 17.0051 |
|        |                    | 7711 C[174]GYAGSNFPEHIFPALVGR[162]PIIR[162]      |          |         |         |
|        |                    | 7712 VGNIEIK[134]DLMVGDEASELR[162]               |          |         |         |
|        |                    | 7713 VGNIEIKDLMVGDEASELR                         |          |         |         |
|        |                    | 7714 C[174]GYAGSNFPEHIFPALVGRPIIR                |          |         |         |
|        |                    | 7715 LC[174]YVGYNIEQEQK[134]                     |          |         |         |
|        |                    | 7716 ILLTEPPMNPTK[134]                           |          |         |         |
|        |                    | 7717 ILLTEPPMNPTK                                |          |         |         |
| P63085 | P63085 MK01_MOUSE  | Mitogen-activated protein kinase 1 - Mus mus     | -0.04372 | 0.93577 | 5.5866  |
|        |                    | 7718 LK[134]ELIFEETAR[162]                       |          |         |         |
|        |                    | 7719 GQVFDVGPR[162]                              |          |         |         |
|        |                    | 7720 GQVFDVGPR                                   |          |         |         |
| Q8BUE4 | Q8BUE4 AIFM2_MOUSE | Apoptosis-inducing factor 2 - Mus musculus       | -0.48113 | 0.37517 | 9.9196  |
|        |                    | 7721 NDGVGQISGFYVGR[162]                         |          |         |         |
|        |                    | 7722 NDGVGQISGFYVGR                              |          |         |         |
|        |                    | 7723 VPLADK[134]ELLPC[174]VR[162]                |          |         |         |
|        |                    | 7724 K[134]GVQLLLSER[162]                        |          |         |         |
| Q91WK2 | Q91WK2 EIF3H_MOUSE | Eukaryotic translation initiation factor 3 subun | 0.00000  | 1.00000 | 8.2386  |
|        |                    | 7725 EGTGSTATSSGSAGGAVGK[134]                    |          |         |         |
|        |                    | 7726 EGTGSTATSSGSAGGAVGK                         |          |         |         |
|        |                    | 7727 LFK[134]PHQAPAR[162]                        |          |         |         |
|        |                    | 7728 LFKPHQAPAR                                  |          |         |         |
| Q921H8 | Q921H8 THIKA_MOUSE | 3-ketoacyl-CoA thiolase A, peroxisomal precu     | 0.75409  | 0.15903 | 7.5472  |
|        |                    | 7729 AEELGLPILGVLR[162]                          |          |         |         |
|        |                    | 7730 IAQFLSGIPETVPLSTVNR                         |          |         |         |
|        |                    | 7731 AEELGLPILGVLR                               |          |         |         |
| Q99020 | Q99020 ROAA_MOUSE  | Heterogeneous nuclear ribonucleoprotein A/B      | -0.02170 | 0.96810 | 7.3684  |
|        |                    | 7732 EVYQQQQYGSNGR[162]                          |          |         |         |
|        |                    | 7733 GFGFILFK[134]                               |          |         |         |

|        |                    |                                                 |          |         |         |
|--------|--------------------|-------------------------------------------------|----------|---------|---------|
| Q99KV1 | Q99KV1 DJB11_MOUSE | 7734 GFGFILFK                                   | -0.74416 | 0.17017 | 12.2905 |
|        |                    | DnaJ homolog subfamily B member 11 precursor    |          |         |         |
|        |                    | 7735 FQDLGAAYEVLSDSEK[134]                      |          |         |         |
|        |                    | 7736 FQMTQEVC[174]DEC[174]PNVK[134]             |          |         |         |
|        |                    | 7737 FQDLGAAYEVLSDSEK[134]R[162]                |          |         |         |
| Q9Z1G3 | Q9Z1G3 VATC1_MOUSE | 7738 TLEVEIEPGVR[162]                           | -0.69367 | 0.20104 | 14.6597 |
|        |                    | Vacuolar proton pump subunit C 1 - Mus musculus |          |         |         |
|        |                    | 7739 SSNVLSEDQDSYLC[174]NVTLEFR[162]            |          |         |         |
|        |                    | 7740 IDC[174]NLLEFK[134]                        |          |         |         |
|        |                    | 7741 GVTQIDNDLK[134]                            |          |         |         |
|        |                    | 7742 GNLQNLER[162]                              |          |         |         |
|        |                    | 7743 IDC[174]NLLEFK                             |          |         |         |
|        |                    | 7744 K[134]NAGSLLTR[162]                        |          |         |         |
| P62821 | P62821 RAB1A_MOUSE | 7745 GVTQIDNDLK                                 | 0.12374  | 0.81725 | 40      |
|        |                    | Ras-related protein Rab-1A - Mus musculus       |          |         |         |
|        |                    | 7746 NATNVEQSFMTMAAEIK[134]                     |          |         |         |
|        |                    | 7747 NATNVEQSFMTMAAEIK                          |          |         |         |
|        |                    | 7748 KVVDYTTAKEFADSLGIPFLETSK                   |          |         |         |
|        |                    | 7749 VVDYTTAKEFADSLGIPFLETSK                    |          |         |         |
|        |                    | 7750 MGPGATAGGAEK[134]SNVK[134]                 |          |         |         |
|        |                    | 7751 MGPGATAGGAEKSNVK                           |          |         |         |
|        |                    | 7752 QWLQEIDR[162]YASENVNK[134]                 |          |         |         |
|        |                    | 7753 QWLQEIDRYASENVNK                           |          |         |         |
| Q9WV54 | Q9WV54 ASA1_MOUSE  | 7754 TITSSYYR[162]                              | -0.10497 | 0.84658 | 18.7817 |
|        |                    | Acid ceramidase precursor - Mus musculus        |          |         |         |
|        |                    | 7755 IMAPVYFILGGK                               |          |         |         |
|        |                    | 7756 IMAPVYFILGGK[134]                          |          |         |         |
|        |                    | 7757 IMAPVYFILGGK[134]K[134]                    |          |         |         |
|        |                    | 7758 IMAPVYFILGGK                               |          |         |         |
|        |                    | 7759 LTVFTTLMDEVTK[134]                         |          |         |         |
|        |                    | 7760 LTVFTTLMDEVTK                              |          |         |         |
|        |                    | 7761 DAQWVGFIIR[162]                            |          |         |         |
|        |                    | 7762 NLSFATIIDVLSTK[134]PVLNK[134]              |          |         |         |

|        |                     |                                               |          |         |         |
|--------|---------------------|-----------------------------------------------|----------|---------|---------|
|        |                     | 7763 SGEGC[174]VITR[162]                      |          |         |         |
|        |                     | 7764 ESLDVYELDPK[134]                         |          |         |         |
|        |                     | 7765 NLSFATIIDVLSTKPVLNK                      |          |         |         |
|        |                     | 7766 DAQWVGFITR                               |          |         |         |
|        |                     | 7767 SGEGC[174]VITR                           |          |         |         |
| Q3TJ73 | Q3TJ73 Q3TJ73_MOUSE | 14 days pregnant adult female placenta cDNA,  | 0.57037  | 0.28677 | 15.4034 |
|        |                     | 7768 VIGHDEDASAPTGVVR[162]                    |          |         |         |
|        |                     | 7769 VIGHDEDASAPTGVVR                         |          |         |         |
|        |                     | 7770 DLSTSVLSEVR[162]                         |          |         |         |
|        |                     | 7771 LLQNIQENIRENLQK                          |          |         |         |
|        |                     | 7772 VKYPPVFLVSSLDPLLYDFPK                    |          |         |         |
|        |                     | 7773 VK[134]YPPVFLVSSLDPLLYDFPK[134]          |          |         |         |
| Q99JB2 | Q99JB2 STML2_MOUSE  | Stomatin-like protein 2 - Mus musculus        | -0.81816 | 0.13154 | 21.5297 |
|        |                     | 7774 NTVILFVPQQEAWVVER[162]                   |          |         |         |
|        |                     | 7775 ASYGVEDPEYAVTQLAQTTMR[162]               |          |         |         |
|        |                     | 7776 DVQATDTSIEELGR[162]                      |          |         |         |
|        |                     | 7777 APVPGAQNSSQSR[162]                       |          |         |         |
|        |                     | 7778 QAQILASEAEK[134]                         |          |         |         |
| P05202 | P05202 AATM_MOUSE   | Aspartate aminotransferase, mitochondrial pr  | -0.97863 | 0.07126 | 11.3953 |
|        |                     | 7779 ISVAGVTSGNVGYLAHAIHQVTK[134]             |          |         |         |
|        |                     | 7780 FVTVQTISGTGALR[162]                      |          |         |         |
|        |                     | 7781 IAATILTSPDLR[162]                        |          |         |         |
| P26516 | P26516 PSD7_MOUSE   | 26S proteasome non-ATPase regulatory subun    | 0.00000  | 1.00000 | 9.3458  |
|        |                     | 7782 VVVHPLVLLSVVDHFNR[162]                   |          |         |         |
|        |                     | 7783 VVVHPLVLLSVVDHFNR                        |          |         |         |
|        |                     | 7784 DIK[134]DTTVGTLSQR[162]                  |          |         |         |
| P30677 | P30677 GNA14_MOUSE  | Guanine nucleotide-binding protein alpha-14 s | 0.06319  | 0.90605 | 4.2254  |
|        |                     | 7785 LVYQNIFTAMQAMIR                          |          |         |         |
|        |                     | 7786 LVYQNIFTAMQAMIR[162]                     |          |         |         |
| P62874 | P62874 GBB1_MOUSE   | Guanine nucleotide-binding protein G(I)/G(S)/ | 0.12805  | 0.81099 | 40.8824 |
|        |                     | 7787 LFVSGAC[174]DASAK[134]                   |          |         |         |
|        |                     | 7788 LFVSGAC[174]DASAK                        |          |         |         |
|        |                     | 7789 LIIWDSYTTNK[134]                         |          |         |         |

7790 LLVSASQDGK[134]  
 7791 AC[174]ADATLSQITNNIDPVGR  
 7792 AC[174]ADATLSQITNNIDPVGR[162]  
 7793 ELAGHTGYLSC[174]C[174]R[162]  
 7794 KAC[174]ADATLSQITNNIDPVGR  
 7795 K[134]AC[174]ADATLSQITNNIDPVGR[162]  
 7796 ELAGHTGYLSC[174]C[174]R  
 7797 LLLAGYDDFNC[174]NVWDALK  
 7798 LLLAGYDDFNC[174]NVWDALK[134]  
 7799 VSC[174]LGVTDDGMAVATGSWDSFLK  
 7800 VSC[174]LGVTDDGMAVATGSWDSFLK[134]  
 7801 LLLAGYDDFNC[174]NVWDALK[134]ADR[162]  
 7802 ADR[162]AGVLAGHDNR[162]  
 7803 LFVSGAC[174]DASAKLWDVR  
 7804 LLLAGYDDFNC[174]NVWDALKADR  
 7805 VSR[162]ELAGHTGYLSC[174]C[174]R[162]  
 7806 IYAMHWGTDSR[162]  
 7807 LLVSASQDGK  
 7808 IYAMHWGTDSR  
 7809 LFVSGAC[174]DASAK[134]LWDVR[162]  
 7810 ADRAGVLAGHDNR  
 7811 AGVLAGHDNRVSC[174]LGVTDDGMAVATGSWDSFLK  
 7812 LIIWDSYTTNK  
 7813 AGVLAGHDNR[162]  
 7814 AGVLAGHDNR

|        |                    |                                           |          |         |         |
|--------|--------------------|-------------------------------------------|----------|---------|---------|
| Q5SS80 | Q5SS80 DHR13_MOUSE | Dehydrogenase/reductase SDR family member | -0.08881 | 0.86997 | 6.9149  |
|        |                    | 7815 TTVSGPSHSYQGSQDLSK[134]              |          |         |         |
|        |                    | 7816 TTVSGPSHSYQGSQDLSK                   |          |         |         |
|        |                    | 7817 LANVLFAR[162]                        |          |         |         |
| Q9D0I4 | Q9D0I4 STX17_MOUSE | Syntaxin-17 - Mus musculus                | -0.06609 | 0.90304 | 25.5814 |
|        |                    | 7818 IDSIADHVNSAAVNVEEGTK[134]            |          |         |         |
|        |                    | 7819 VAGIAAALGGGVLGFTGGK                  |          |         |         |
|        |                    | 7820 VAGIAAALGGGVLGFTGGK[134]             |          |         |         |

|        |                    |      |                                              |          |         |         |
|--------|--------------------|------|----------------------------------------------|----------|---------|---------|
|        |                    | 7821 | IDSADHVNSAAVNVEEGTK                          |          |         |         |
|        |                    | 7822 | LHEEHINAGR[162]                              |          |         |         |
|        |                    | 7823 | QVNDEELLQPSLTR                               |          |         |         |
|        |                    | 7824 | QVNDEELLQPSLTR[162]                          |          |         |         |
|        |                    | 7825 | LTSSC[174]PDLPSQSDK[134]                     |          |         |         |
|        |                    | 7826 | LTSSC[174]PDLPSQSDK                          |          |         |         |
|        |                    | 7827 | LHEEHINAGR                                   |          |         |         |
| Q9ERN0 | Q9ERN0 SCAM2_MOUSE |      | Secretory carrier-associated membrane protei | 0.81905  | 0.12610 | 18.2371 |
|        |                    | 7828 | TGASFQQAQEEFSQGIFSSR                         |          |         |         |
|        |                    | 7829 | TGASFQQAQEEFSQGIFSSR[162]                    |          |         |         |
|        |                    | 7830 | ELQNTAANLHVR                                 |          |         |         |
|        |                    | 7831 | ELQNTAANLHVR[162]                            |          |         |         |
|        |                    | 7832 | ERELQNTAANLHVR                               |          |         |         |
|        |                    | 7833 | TFR[162]GAASSAAR[162]                        |          |         |         |
|        |                    | 7834 | TFRGAASSAAR                                  |          |         |         |
|        |                    | 7835 | RTGASFQQAQEEFSQGIFSSR                        |          |         |         |
|        |                    | 7836 | R[162]TGASFQQAQEEFSQGIFSSR[162]              |          |         |         |
|        |                    | 7837 | ER[162]ELQNTAANLHVR[162]                     |          |         |         |
|        |                    | 7838 | QQEELDRKAAELER                               |          |         |         |
| Q9R0N0 | Q9R0N0 GALK1_MOUSE |      | Galactokinase - Mus musculus                 | -0.15920 | 0.76919 | 8.4399  |
|        |                    | 7839 | TDGLVSLTTSK[134]                             |          |         |         |
|        |                    | 7840 | TDGLVSLTTSK                                  |          |         |         |
|        |                    | 7841 | LAVLITNSNVR[162]                             |          |         |         |
|        |                    | 7842 | ARHVVSEIRR                                   |          |         |         |
| Q9WUU7 | Q9WUU7 CATZ_MOUSE  |      | Cathepsin Z precursor - Mus musculus         | 0.36375  | 0.49693 | 38.2353 |
|        |                    | 7843 | HGIPDETC[174]NNYQAK                          |          |         |         |
|        |                    | 7844 | VG DYGSLSGR[162]                             |          |         |         |
|        |                    | 7845 | VG DYGSLSGR                                  |          |         |         |
|        |                    | 7846 | TYPRPHEYLSPADLPK                             |          |         |         |
|        |                    | 7847 | HGIPDETC[174]NNYQAK[134]                     |          |         |         |
|        |                    | 7848 | NVNGVNYASVTR                                 |          |         |         |
|        |                    | 7849 | NVNGVNYASVTR[162]                            |          |         |         |
|        |                    | 7850 | VG DYGSLSGREK                                |          |         |         |

|        |                    |      |                                                  |         |         |         |
|--------|--------------------|------|--------------------------------------------------|---------|---------|---------|
|        |                    | 7851 | VGDYGSLSGR[162]EK[134]                           |         |         |         |
|        |                    | 7852 | NQHIPPQYC[174]GSC[174]WAHGSTSAMADR[162]          |         |         |         |
|        |                    | 7853 | NQHIPPQYC[174]GSC[174]WAHGSTSAMADR               |         |         |         |
|        |                    | 7854 | NSWGEPWGEK[134]GWMR[162]                         |         |         |         |
|        |                    | 7855 | NQHIPPQYC[174]GSC[174]WAHGSTSAMADR[162]INIK[134] |         |         |         |
|        |                    | 7856 | GGTGDSYNLAIESAC[174]TFGDPIV                      |         |         |         |
|        |                    | 7857 | NSWGEPWGEK[134]                                  |         |         |         |
|        |                    | 7858 | NSWGEPWGEK                                       |         |         |         |
|        |                    | 7859 | NSWGEPWGEKGWMR                                   |         |         |         |
| P07356 | P07356 ANXA2_MOUSE |      | Annexin A2 - Mus musculus                        | 0.45404 | 0.39646 | 70.2065 |
|        |                    | 7860 | GVDEVTIVNILTNR                                   |         |         |         |
|        |                    | 7861 | TPAQYDASELK[134]                                 |         |         |         |
|        |                    | 7862 | SALSGHLETIVILGLLK                                |         |         |         |
|        |                    | 7863 | SALSGHLETIVILGLLK[134]                           |         |         |         |
|        |                    | 7864 | SLYYYIQQDTKGDYQK                                 |         |         |         |
|        |                    | 7865 | SLYYYIQQDTK[134]GDYQK[134]                       |         |         |         |
|        |                    | 7866 | SNVQRQDIAFAYQR                                   |         |         |         |
|        |                    | 7867 | SNVQR[162]QDIAFAYQR[162]                         |         |         |         |
|        |                    | 7868 | TKGVDEVTIVNILTNR                                 |         |         |         |
|        |                    | 7869 | TDLEKDIISDTSGDFRK                                |         |         |         |
|        |                    | 7870 | TK[134]GVDEVTIVNILTNR[162]                       |         |         |         |
|        |                    | 7871 | TPAQYDASELKASMK                                  |         |         |         |
|        |                    | 7872 | TPAQYDASELK[134]ASMK[134]                        |         |         |         |
|        |                    | 7873 | YKSYSPYDMLSEIKK                                  |         |         |         |
|        |                    | 7874 | LSLEGDHSTPPSAYGSVK[134]PYTNFDAER[162]            |         |         |         |
|        |                    | 7875 | TK[134]K[134]ELPSALK[134]                        |         |         |         |
|        |                    | 7876 | GLGTDEDSLIEIIC[174]SR[162]                       |         |         |         |
|        |                    | 7877 | TPAQYDASELK                                      |         |         |         |
|        |                    | 7878 | GLGTDEDSLIEIIC[174]SR                            |         |         |         |
|        |                    | 7879 | GVDEVTIVNILTNR[162]                              |         |         |         |
|        |                    | 7880 | SLYYYIQQDTK[134]                                 |         |         |         |
|        |                    | 7881 | TNQELQEINR                                       |         |         |         |
|        |                    | 7882 | DALNIETAVK[134]                                  |         |         |         |



7883 SLYYYIQQDTK  
 7884 LSLEGDHSTPPSAYGSVKPYTNFDAER  
 7885 TNQELQEINR[162]  
 7886 TDLEKDIISDTSGDFR  
 7887 WISIMTER[162]  
 7888 QDIAFAYQR  
 7889 TKKELPSALK  
 7890 WISIMTER  
 7891 TNQELQEINRVYKEMYK  
 7892 DALNIETAVK  
 7893 LMVALAK[134]  
 7894 K[134]LMVALAK[134]  
 7895 LMVALAK  
 7896 ELYDAGVK[134]R[162]  
 7897 AEDGSVIDYELIDQDAR  
 7898 RAEDGSVIDYELIDQDAR  
 7899 R[162]AEDGSVIDYELIDQDAR[162]  
 7900 TDLEK[134]DIISDTSGDFR[162]  
 7901 ELPSALKSALS GHLETVILGLLK  
 7902 ELPSALK[134]SALS GHLETVILGLLK[134]  
 7903 SALS GHLETVILGLLK[134]TPAQYDASELK[134]  
 7904 KELPSALKSALS GHLETVILGLLK  
 7905 AEDGSVIDYELIDQDAR[162]  
 7906 SYSPYDMLESIK[134]K[134]  
 7907 SYSPYDMLESIKK  
 7908 GTDVPKWISIMTER  
 7909 DIISDTSGDFR[162]K[134]  
 7910 DIISDTSGDFRK  
 7911 VYK[134]EMYK[134]  
 7912 KGTDVPKWISIMTER  
 7913 GTDVPK[134]WISIMTER[162]  
 7914 VIHDFNGIVEGLMTTVHAITATQK

|        |                  |                                            |         |         |         |
|--------|------------------|--------------------------------------------|---------|---------|---------|
| P16858 | P16858 G3P_MOUSE | Glyceraldehyde-3-phosphate dehydrogenase - | 0.37653 | 0.48193 | 48.3483 |
|--------|------------------|--------------------------------------------|---------|---------|---------|

|        |                    |                                                |          |         |         |
|--------|--------------------|------------------------------------------------|----------|---------|---------|
|        |                    | 7915 GAAQNIIPASTGAAK[134]                      |          |         |         |
|        |                    | 7916 IVSNASC[174]TTNC[174]LAPLAK[134]          |          |         |         |
|        |                    | 7917 IVSNASC[174]TTNC[174]LAPLAK               |          |         |         |
|        |                    | 7918 VPTPNVSVVDLTC[174]R[162]                  |          |         |         |
|        |                    | 7919 DGRGAAQNIIPASTGAAK                        |          |         |         |
|        |                    | 7920 DGR[162]GAAQNIIPASTGAAK[134]              |          |         |         |
|        |                    | 7921 VPTPNVSVVDLTC[174]R                       |          |         |         |
|        |                    | 7922 LEKPAKYDDIKK                              |          |         |         |
|        |                    | 7923 GAAQNIIPASTGAAK                           |          |         |         |
|        |                    | 7924 LISWYDNEYGYSNR                            |          |         |         |
|        |                    | 7925 VVDLMAYMASKE                              |          |         |         |
|        |                    | 7926 AVGK[134]VIPELNGK[134]                    |          |         |         |
|        |                    | 7927 VVDLMAYMASK[134]E                         |          |         |         |
|        |                    | 7928 TVDGPSTGKLWR                              |          |         |         |
|        |                    | 7929 TVDGPSTGK[134]LWR[162]                    |          |         |         |
|        |                    | 7930 LISWYDNEYGYSNR[162]                       |          |         |         |
|        |                    | 7931 VIHDNFGIVEGLMTTVHAITATQK[134]             |          |         |         |
|        |                    | 7932 VIISAPSADAPMFVMGVNHEKYDNSLK               |          |         |         |
| Q7TSF4 | Q7TSF4 CQ076_MOUSE | Leucine-rich repeat-containing protein C17orf1 | 0.17203  | 0.74799 | 23.5988 |
|        |                    | 7933 NLVDPITHDLIISLAR                          |          |         |         |
|        |                    | 7934 EGTQQDPIGSPVTPAR[162]                     |          |         |         |
|        |                    | 7935 NLVDPITHDLIISLAR[162]                     |          |         |         |
|        |                    | 7936 QDLGMESTSLDDVLYR[162]                     |          |         |         |
|        |                    | 7937 EGTQQDPIGSPVTPAR                          |          |         |         |
|        |                    | 7938 ALLSGNPPDNMVDLSGIPLTSR[162]               |          |         |         |
|        |                    | 7939 VGMVQELLR[162]                            |          |         |         |
| Q9Z1R4 | Q9Z1R4 CF047_MOUSE | Uncharacterized protein C6orf47 homolog - M    | 0.23723  | 0.65773 | 13.3106 |
|        |                    | 7940 DSGTR[162]R[162]PPGAAPESSR[162]           |          |         |         |
|        |                    | 7941 DSGTRRPPGAAPESSR                          |          |         |         |
|        |                    | 7942 TKDSGTRRPPGAAPESSR                        |          |         |         |
|        |                    | 7943 ADLPAPEPR[162]                            |          |         |         |
|        |                    | 7944 DK[134]TASTIQEPAR[162]                    |          |         |         |
| P62702 | P62702 RS4X_MOUSE  | 40S ribosomal protein S4, X isoform - Mus mus  | -0.97863 | 0.07126 | 42.9658 |

|        |                    |      |                                               |          |         |         |
|--------|--------------------|------|-----------------------------------------------|----------|---------|---------|
|        |                    | 7945 | LSNIFVIGK[134]                                |          |         |         |
|        |                    | 7946 | LSNIFVIGK                                     |          |         |         |
|        |                    | 7947 | HPGSFDVVHVK                                   |          |         |         |
|        |                    | 7948 | HPGSFDVVHVK[134]                              |          |         |         |
|        |                    | 7949 | LSNIFVIGKGNKPWISLPR                           |          |         |         |
|        |                    | 7950 | ER[162]HPGSFDVVHVK[134]                       |          |         |         |
|        |                    | 7951 | TIR[162]YPDPLIK[134]                          |          |         |         |
|        |                    | 7952 | ERHPGSFDVVHVK                                 |          |         |         |
|        |                    | 7953 | FDTGNLC[174]MVTGGANLGR[162]                   |          |         |         |
|        |                    | 7954 | GNK[134]PWISLPR[162]                          |          |         |         |
|        |                    | 7955 | GNKPWISLPR                                    |          |         |         |
|        |                    | 7956 | EC[174]LPLIIFLR[162]                          |          |         |         |
|        |                    | 7957 | TDITYPAGFMDVISIDK[134]TGENFR[162]             |          |         |         |
|        |                    | 7958 | YALTGDEVK[134]K[134]                          |          |         |         |
|        |                    | 7959 | GIPHLVTHDAR[162]                              |          |         |         |
| P62880 | P62880 GBB2_MOUSE  |      | Guanine nucleotide-binding protein G(I)/G(S)/ | -0.32952 | 0.54360 | 41.7647 |
|        |                    | 7960 | K[134]AC[174]GDSTLTQITAGLDPVGR[162]           |          |         |         |
|        |                    | 7961 | KAC[174]GDSTLTQITAGLDPVGR                     |          |         |         |
|        |                    | 7962 | ADQELLMYSHDNIIC[174]GITSVAFSR[162]            |          |         |         |
|        |                    | 7963 | TFVSGAC[174]DASIK[134]LWDVDR[162]             |          |         |         |
|        |                    | 7964 | TFVSGAC[174]DASIKLWDVRDSMC[174]R              |          |         |         |
|        |                    | 7965 | AC[174]GDSTLTQITAGLDPVGR[162]                 |          |         |         |
|        |                    | 7966 | ELPGHTGYLSC[174]C[174]R[162]                  |          |         |         |
|        |                    | 7967 | TFVSGAC[174]DASIK                             |          |         |         |
|        |                    | 7968 | ELPGHTGYLSC[174]C[174]R                       |          |         |         |
|        |                    | 7969 | TFVSGAC[174]DASIK[134]                        |          |         |         |
|        |                    | 7970 | LLLAGYDDFNC[174]NIWDAMK[134]                  |          |         |         |
|        |                    | 7971 | LLLAGYDDFNC[174]NIWDAMK[134]GDR[162]          |          |         |         |
|        |                    | 7972 | AC[174]GDSTLTQITAGLDPVGR                      |          |         |         |
|        |                    | 7973 | GDRAGVLAGHDNR                                 |          |         |         |
|        |                    | 7974 | QTFIGHESDINAVAFFPNGYAFTTGSDDATC[174]R[162]    |          |         |         |
| Q9D8B3 | Q9D8B3 CHM4B_MOUSE |      | Charged multivesicular body protein 4b - Mus  | 0.19102  | 0.72128 | 24.5536 |
|        |                    | 7975 | QLAQIDGTLSTIEFQR[162]                         |          |         |         |

|        |                    |                                                |          |         |         |
|--------|--------------------|------------------------------------------------|----------|---------|---------|
|        |                    | 7976 QLAQIDGTLSTIEFQR                          |          |         |         |
|        |                    | 7977 KIEQELTAAKK                               |          |         |         |
|        |                    | 7978 EALENANTNTEVLK                            |          |         |         |
|        |                    | 7979 EALENANTNTEVLK[134]                       |          |         |         |
|        |                    | 7980 AGKGGPTPQEAIQR                            |          |         |         |
|        |                    | 7981 K[134]IEQELTAAK[134]                      |          |         |         |
|        |                    | 7982 AGK[134]GGPTPQEAIQR[162]                  |          |         |         |
|        |                    | 7983 KIEQELTAAK                                |          |         |         |
|        |                    | 7984 GGPTPQEAIQR[162]                          |          |         |         |
|        |                    | 7985 GGPTPQEAIQR                               |          |         |         |
| O08579 | O08579 EMD_MOUSE   | Emerin - Mus musculus                          | 0.29146  | 0.58621 | 18.9189 |
|        |                    | 7986 LIYGQDSAYQSIAHYRPISNVSR                   |          |         |         |
|        |                    | 7987 TYGEPESVGMSK[134]                         |          |         |         |
|        |                    | 7988 TYGEPESVGMSK                              |          |         |         |
|        |                    | 7989 QYNIPHGPIVGSTR                            |          |         |         |
| O88531 | O88531 PPT1_MOUSE  | Palmitoyl-protein thioesterase 1 precursor - M | -0.20469 | 0.70596 | 24.183  |
|        |                    | 7990 LQQGYNAIGFSQGGQFLR                        |          |         |         |
|        |                    | 7991 LQQGYNAIGFSQGGQFLR[162]                   |          |         |         |
|        |                    | 7992 C[174]PTPPMMTLISVGGQHQGVFGLPR[162]        |          |         |         |
|        |                    | 7993 C[174]PTPPMMTLISVGGQHQGVFGLPR             |          |         |         |
|        |                    | 7994 ETIPLQESTLYTEDR[162]                      |          |         |         |
|        |                    | 7995 ETIPLQESTLYTEDR                           |          |         |         |
|        |                    | 7996 LVQAQYWHDPK[134]ESVYR[162]                |          |         |         |
| P10107 | P10107 ANXA1_MOUSE | Annexin A1 - Mus musculus                      | 0.24517  | 0.64703 | 60.9827 |
|        |                    | 7997 C[174]QDLSVNQDLADTDAR[162]                |          |         |         |
|        |                    | 7998 GGPGSAVSPYPSFNVSSDVAALHK                  |          |         |         |
|        |                    | 7999 FLENQEQEYVQAVK[134]                       |          |         |         |
|        |                    | 8000 GTDVNVFTTILTSR                            |          |         |         |
|        |                    | 8001 GTDVNVFTTILTSR[162]                       |          |         |         |
|        |                    | 8002 DITSDTSGDFR[162]K[134]                    |          |         |         |
|        |                    | 8003 GGPGSAVSPYPSFNVSSDVAALHK[134]             |          |         |         |
|        |                    | 8004 VYREELKR                                  |          |         |         |
|        |                    | 8005 C[174]QDLSVNQDLADTDAR                     |          |         |         |

8006 DLAKDITSDTSGDFRK  
8007 KGTDVNVFTTILTSR  
8008 TPAQFDADELRL[162]GAMK[134]  
8009 DLAK[134]DITSDTSGDFR[162]K[134]  
8010 RKGTDVNVFTTILTSR  
8011 R[162]K[134]GTDVNVFTTILTSR[162]  
8012 SYKGGPGSAVSPYPSFNVSSDVAALHK  
8013 SYK[134]GGPGSAVSPYPSFNVSSDVAALHK[134]  
8014 FLENQEQEYVQAVKSYK  
8015 TPAQFDADELRGAMK  
8016 FLENQEQEYVQAVK[134]SYK[134]  
8017 SNEQIREINR  
8018 KALLALAKGDR  
8019 FLENQEQEYVQAVK  
8020 ILVALC[174]GGN  
8021 GVDEATIIDILTK[134]R[162]  
8022 K[134]GTDVNVFTTILTSR[162]  
8023 AAYLQENGKPLDEVLR  
8024 DITSDTSGDFRK  
8025 VYR[162]EELK[134]R[162]  
8026 ALYEAGER[162]  
8027 GVDEATIIDILTKR  
8028 ALLALAK[134]  
8029 ALLALAKGDR  
8030 ALYEAGER  
8031 SNEQIR[162]EINR[162]  
8032 ALLALAK  
8033 ALTGHLEEVVLAMLK[134]  
8034 GLGTDEDTLIEILTTR[162]  
8035 ALTGHLEEVVLAMLK  
8036 KALTGHLEEVVLAMLK  
8037 GLGTDEDTLIEILTTR  
8038 GVDEATIIDILTK[134]

|        |                    |                                                   |          |         |         |
|--------|--------------------|---------------------------------------------------|----------|---------|---------|
|        |                    | 8039 GVDEATIIDILTK                                |          |         |         |
| P47753 | P47753 CAZA1_MOUSE | F-actin-capping protein subunit alpha-1 - Mus     | -0.54253 | 0.31731 | 17.4825 |
|        |                    | 8040 FITHAPPGGEFNEVFNDVR[162]                     |          |         |         |
|        |                    | 8041 FITHAPPGGEFNEVFNDVR                          |          |         |         |
|        |                    | 8042 LLLNNDNLLR[162]                              |          |         |         |
|        |                    | 8043 LLLNNDNLLR                                   |          |         |         |
|        |                    | 8044 FTITPPSAQVVGVLK[134]                         |          |         |         |
|        |                    | 8045 RQLPVTR                                      |          |         |         |
|        |                    | 8046 R[162]QLPVTR[162]                            |          |         |         |
| P57776 | P57776 EF1D_MOUSE  | Elongation factor 1-delta - Mus musculus          | -0.25873 | 0.63343 | 23.1317 |
|        |                    | 8047 SLAGSSGPGASSGPGGDHSELIVR                     |          |         |         |
|        |                    | 8048 SLAGSSGPGASSGPGGDHSELIVR[162]                |          |         |         |
|        |                    | 8049 ITSLEVENQNLR[162]                            |          |         |         |
|        |                    | 8050 ATAPQTQHVSPMR[162]                           |          |         |         |
|        |                    | 8051 GVVQDLQQAISK[134]LEAR[162]                   |          |         |         |
| Q61937 | Q61937 NPM_MOUSE   | Nucleophosmin - Mus musculus                      | 0.52542  | 0.32646 | 11.9863 |
|        |                    | 8052 MSVQPTVSLGGFEITPPVVLR                        |          |         |         |
|        |                    | 8053 MSVQPTVSLGGFEITPPVVLR[162]                   |          |         |         |
|        |                    | 8054 TPKGPSSVEDIKAK                               |          |         |         |
|        |                    | 8055 TPK[134]GPSSVEDIK[134]AK[134]                |          |         |         |
|        |                    | 8056 GPSSVEDIK[134]AK[134]                        |          |         |         |
|        |                    | 8057 GPSSVEDIKAK                                  |          |         |         |
| Q6GV12 | Q6GV12 FVT1_MOUSE  | 3-ketodihydrosphingosine reductase precursor      | -0.25965 | 0.63222 | 9.0361  |
|        |                    | 8058 LISETTAIC[174]K[134]PEQVAK[134]              |          |         |         |
|        |                    | 8059 LISETTAIC[174]KPEQVAK                        |          |         |         |
|        |                    | 8060 LMSINYLGSVYPSR[162]                          |          |         |         |
| Q924Z4 | Q924Z4 LASS2_MOUSE | LAG1 longevity assurance homolog 2 - Mus musculus | -0.15123 | 0.78044 | 12.3684 |
|        |                    | 8061 LRAPPNATLEHFYQTSGK                           |          |         |         |
|        |                    | 8062 LR[162]APPNATLEHFYQTSGK[134]                 |          |         |         |
|        |                    | 8063 APPNATLEHFYQTSGK[134]                        |          |         |         |
|        |                    | 8064 LRAPPNATLEHFYQTSGKQPK                        |          |         |         |
|        |                    | 8065 QVEVDLLSR[162]                               |          |         |         |
|        |                    | 8066 LLANGHPILNNNHPK[134]ND                       |          |         |         |

|        |                    |      |                                            |          |         |         |
|--------|--------------------|------|--------------------------------------------|----------|---------|---------|
|        |                    | 8067 | LLANGHPILNNNHPKND                          |          |         |         |
|        |                    | 8068 | APPNATLEHFYQTS GK[134]QPK[134]             |          |         |         |
|        |                    | 8069 | QVEVDLLSR                                  |          |         |         |
| Q9CWZ7 | Q9CWZ7 SNAG_MOUSE  |      | Gamma-soluble NSF attachment protein - Mus | -0.23320 | 0.66731 | 7.3718  |
|        |                    | 8070 | LGLSLVVPGGGIK[134]                         |          |         |         |
|        |                    | 8071 | LGLSLVVPGGGIK                              |          |         |         |
|        |                    | 8072 | INEGLEHLAK[134]                            |          |         |         |
|        |                    | 8073 | INEGLEHLAK                                 |          |         |         |
| Q9CXR1 | Q9CXR1 DHRS7_MOUSE |      | Dehydrogenase/reductase SDR family member  | 0.23769  | 0.65710 | 8.5799  |
|        |                    | 8074 | DILVPLDLTDTSSHEAATK                        |          |         |         |
|        |                    | 8075 | NAFTEEVTK                                  |          |         |         |
|        |                    | 8076 | NAFTEEVTK[134]                             |          |         |         |
| Q8BGU5 | Q8BGU5 CCNY_MOUSE  |      | Cyclin-Y - Mus musculus                    | 0.47074  | 0.37932 | 26.393  |
|        |                    | 8077 | SLAEANNLSFPLEPLSR[162]                     |          |         |         |
|        |                    | 8078 | SLAEANNLSFPLEPLSR                          |          |         |         |
|        |                    | 8079 | SLFINHHPPGQTSR                             |          |         |         |
|        |                    | 8080 | AHKLEAISR                                  |          |         |         |
|        |                    | 8081 | ASTIFLSK                                   |          |         |         |
|        |                    | 8082 | MLLDIFDENLHPLSK                            |          |         |         |
|        |                    | 8083 | KSLFINHHPPGQTSR                            |          |         |         |
|        |                    | 8084 | IVLGAILLASK[134]                           |          |         |         |
|        |                    | 8085 | MLLDIFDENLHPLSK[134]                       |          |         |         |
|        |                    | 8086 | AHK[134]LEAISR[162]                        |          |         |         |
|        |                    | 8087 | K[134]SLFINHHPPGQTSR[162]                  |          |         |         |
|        |                    | 8088 | SLFINHHPPGQTSR[162]                        |          |         |         |
|        |                    | 8089 | SEVPPDYDKHNPEQK                            |          |         |         |
|        |                    | 8090 | IVLGAILLASK                                |          |         |         |
|        |                    | 8091 | SEVPPDYDK[134]HNPEQK[134]                  |          |         |         |
| P06797 | P06797 CATL1_MOUSE |      | Cathepsin L1 precursor - Mus musculus      | 1.56079  | 0.00356 | 34.4311 |
|        |                    | 8092 | DR[162]DNHC[174]GLATAASYPVVN               |          |         |         |
|        |                    | 8093 | LFQEPLMLKIPK                               |          |         |         |
|        |                    | 8094 | DNHC[174]GLATAASYPVVN                      |          |         |         |
|        |                    | 8095 | DRDNHC[174]GLATAASYPVVN                    |          |         |         |

|        |                    |      |                                                 |          |         |         |
|--------|--------------------|------|-------------------------------------------------|----------|---------|---------|
|        |                    | 8096 | IAKDRDNHC[174]GLATAASYPVVN                      |          |         |         |
|        |                    | 8097 | FDQTFSAEWHQWK[134]                              |          |         |         |
|        |                    | 8098 | NLDHGVLLVGYGYEGTDSNKNK                          |          |         |         |
|        |                    | 8099 | NLDHGVLLVGYGYEGTDSNKNKYWLVK                     |          |         |         |
|        |                    | 8100 | FDQTFSAEWHQWK                                   |          |         |         |
|        |                    | 8101 | RLYGTNEEEWRR                                    |          |         |         |
|        |                    | 8102 | NSWGSEWGMEGYIK                                  |          |         |         |
|        |                    | 8103 | ENGGLDSEESYPYEAK                                |          |         |         |
|        |                    | 8104 | NSWGSEWGMEGYIK[134]                             |          |         |         |
|        |                    | 8105 | LFQEPLMLK[134]                                  |          |         |         |
|        |                    | 8106 | IAK[134]DR[162]DNHC[174]GLATAASYPVVN            |          |         |         |
|        |                    | 8107 | LFQEPLMLK                                       |          |         |         |
| P14869 | P14869 RLA0_MOUSE  |      | 60S acidic ribosomal protein P0 - Mus musculu   | 0.11214  | 0.83411 | 31.8612 |
|        |                    | 8108 | AFLADPSAFAAAAAPAAAATTAAPAAAAAPAK[134]           |          |         |         |
|        |                    | 8109 | GHLENNPALEK[134]                                |          |         |         |
|        |                    | 8110 | TSFFQALGITTK[134]                               |          |         |         |
|        |                    | 8111 | AFLADPSAFAAAAAPAAAATTAAPAAAAAPAK                |          |         |         |
|        |                    | 8112 | TSFFQALGITTK                                    |          |         |         |
|        |                    | 8113 | C[174]FIVGADNVGSK[134]                          |          |         |         |
|        |                    | 8114 | AGAIAPC[174]EVTVPAQNTGLGPEK[134]                |          |         |         |
|        |                    | 8115 | GTIEILSDVQLIK[134]                              |          |         |         |
|        |                    | 8116 | GHLENNPALEK                                     |          |         |         |
| Q5Y5T2 | Q5Y5T2 ZDH18_MOUSE |      | Palmitoyltransferase ZDHHC18 - Mus musculu:     | 0.37685  | 0.48155 | 8.1579  |
|        |                    | 8117 | RPGPAAPPAPSPGPAPGAPR                            |          |         |         |
|        |                    | 8118 | R[162]PGPAAPPAPSPGPAPGAPR[162]                  |          |         |         |
|        |                    | 8119 | ATIC[174]EAAALEK                                |          |         |         |
| Q91VE6 | Q91VE6 MK67I_MOUSE |      | MKI67 FHA domain-interacting nucleolar phos     | -1.15920 | 0.03263 | 13.2492 |
|        |                    | 8120 | SSVDSQGPTPVC[174]TPTFLER[162]                   |          |         |         |
|        |                    | 8121 | GIDYSFPSLVLPKPK                                 |          |         |         |
|        |                    | 8122 | ALTQIQGR[162]                                   |          |         |         |
| P35550 | P35550 FBRL_MOUSE  |      | rRNA 2'-O-methyltransferase fibrillarin - Mus r | -0.13535 | 0.80299 | 21.4067 |
|        |                    | 8123 | NLVPGESVYGEKR                                   |          |         |         |
|        |                    | 8124 | NLVPGESVYGEK[134]R[162]                         |          |         |         |



|        |                     |                                               |          |         |         |
|--------|---------------------|-----------------------------------------------|----------|---------|---------|
|        |                     | 8125 LAAAILGGVDQIHIK[134]PGAK[134]            |          |         |         |
|        |                     | 8126 DHAVVVGVRPPPK                            |          |         |         |
|        |                     | 8127 VSISEGDDK[134]IEYR[162]                  |          |         |         |
|        |                     | 8128 IVALNAHTFLR[162]                         |          |         |         |
| P08249 | P08249 MDHM_MOUSE   | Malate dehydrogenase, mitochondrial precurs   | -0.85664 | 0.11434 | 10.355  |
|        |                     | 8129 VAVLGASGGIGQPLSLLK                       |          |         |         |
|        |                     | 8130 VAVLGASGGIGQPLSLLK[134]                  |          |         |         |
|        |                     | 8131 AGAGSATLSMAYAGAR[162]                    |          |         |         |
| P21956 | P21956 MFGM_MOUSE   | Lactadherin precursor - Mus musculus          | -1.11264 | 0.04028 | 21.8143 |
|        |                     | 8132 VAHSDDGVQWTVYEEQGSSK[134]                |          |         |         |
|        |                     | 8133 VNMFNPTLEAQYIR[162]                      |          |         |         |
|        |                     | 8134 VSGVMTQGASR[162]                         |          |         |         |
|        |                     | 8135 QVTGIITQGAR[162]                         |          |         |         |
|        |                     | 8136 VSGVMTQGASR                              |          |         |         |
|        |                     | 8137 VFQGNLDNNSHK[134]K[134]                  |          |         |         |
|        |                     | 8138 DFGHIQYVASYSK[134]                       |          |         |         |
|        |                     | 8139 INAWTAQSNSAK[134]                        |          |         |         |
|        |                     | 8140 VAYSLDGR[162]                            |          |         |         |
| Q3TC44 | Q3TC44 Q3TC44_MOUSE | NOD-derived CD11c +ve dendritic cells cDNA, I | 0.27376  | 0.60916 | 8.8353  |
|        |                     | 8141 YFHENSELLIPK[134]                        |          |         |         |
|        |                     | 8142 VLEEDSVTLR                               |          |         |         |
|        |                     | 8143 VLEEDSVTLR[162]                          |          |         |         |
| Q8BR63 | Q8BR63 CN024_MOUSE  | Uncharacterized protein C14orf24 homolog - M  | 0.06319  | 0.90605 | 14.0097 |
|        |                     | 8144 ESGC[174]AAAGETEAAAATAFR[162]            |          |         |         |
|        |                     | 8145 YQYAIDEYYR                               |          |         |         |
|        |                     | 8146 YQYAIDEYYR[162]                          |          |         |         |
| Q8C4Q6 | Q8C4Q6 CA080_MOUSE  | UPF0491 protein C1orf80 homolog - Mus musc    | -0.45138 | 0.40541 | 8.1967  |
|        |                     | 8147 EAQAQHNNSEFTEEQKK                        |          |         |         |
|        |                     | 8148 EAQAQHNNSEFTEEQK[134]K[134]              |          |         |         |
|        |                     | 8149 VPGTLLPR[162]                            |          |         |         |
| Q9CY50 | Q9CY50 SSRA_MOUSE   | Translocon-associated protein subunit alpha p | -0.57424 | 0.28985 | 8.042   |
|        |                     | 8150 GTEDFIVESLDASFR[162]                     |          |         |         |
|        |                     | 8151 GTEDFIVESLDASFR                          |          |         |         |

|        |                    |      |                                          |          |         |         |
|--------|--------------------|------|------------------------------------------|----------|---------|---------|
| P16110 | P16110 LEG3_MOUSE  | 8152 | FLVGFTNK[134]                            | -0.62031 | 0.25289 | 33.3333 |
|        |                    |      | Galectin-3 - Mus musculus                |          |         |         |
|        |                    | 8153 | VAVNDAHLLQYNHR[162]                      |          |         |         |
|        |                    | 8154 | GNDVAFHFNPR[162]                         |          |         |         |
|        |                    | 8155 | RGNDVAFHFNPR                             |          |         |         |
|        |                    | 8156 | MLITIMGTVK[134]PNANR[162]                |          |         |         |
|        |                    | 8157 | R[162]GNDVAFHFNPR[162]                   |          |         |         |
|        |                    | 8158 | QSAFPFESGK[134]PFK[134]                  |          |         |         |
|        |                    | 8159 | VAVNDAHLLQYNHR                           |          |         |         |
|        |                    | 8160 | IQVLVEADHFK[134]                         |          |         |         |
|        |                    | 8161 | MLITIMGTVKPNANR                          |          |         |         |
|        |                    | 8162 | IQVLVEADHFK                              |          |         |         |
|        |                    | 8163 | GNDVAFHFNPR                              |          |         |         |
|        |                    | 8164 | QDNNWGK[134]EER[162]                     |          |         |         |
|        |                    | 8165 | QSAFPFESGKPFK                            |          |         |         |
|        |                    | 8166 | VIVC[174]NTKQDNNWGKEER                   |          |         |         |
|        |                    | 8167 | VIVC[174]NTK[134]QDNNWGK[134]EER[162]    |          |         |         |
|        |                    | 8168 | IVLDFR[162]R[162]                        |          |         |         |
| Q9CZM2 | Q9CZM2 RL15_MOUSE  |      | 60S ribosomal protein L15 - Mus musculus | -0.39366 | 0.46808 | 7.8431  |
|        |                    | 8169 | GATYGK[134]PVHHGVNQLK[134]               |          |         |         |
|        |                    | 8170 | GATYGKPVHHGVNQLK                         |          |         |         |
| O70252 | O70252 HMOX2_MOUSE |      | Heme oxygenase 2 - Mus musculus          | 0.09375  | 0.86102 | 25.3968 |
|        |                    | 8171 | IHYVGQNEPELLVAHAYTR[162]                 |          |         |         |
|        |                    | 8172 | ALKLPSTGEGTQFYLFHVDNAQQFK                |          |         |         |
|        |                    | 8173 | MADLSELLK[134]                           |          |         |         |
|        |                    | 8174 | YMGDLSGGQVLKK                            |          |         |         |
|        |                    | 8175 | MNALDLNLK[134]                           |          |         |         |
|        |                    | 8176 | YMGDLSGGQVLK                             |          |         |         |
|        |                    | 8177 | MADLSELLK                                |          |         |         |
| P04441 | P04441 HG2A_MOUSE  | 8178 | MADLSELLK[134]EGTK[134]                  | 0.12374  | 0.81725 | 14.3369 |
|        |                    | 8179 | DLISNHEQLPILGNRPR                        |          |         |         |
|        |                    | 8180 | LTITSQNLQLESLR[162]                      |          |         |         |

|        |                   |                                                |          |         |         |
|--------|-------------------|------------------------------------------------|----------|---------|---------|
|        |                   | 8181 LTITSQNLQLESLR                            |          |         |         |
|        |                   | 8182 QWLLFEMSK[134]                            |          |         |         |
| P47962 | P47962 RL5_MOUSE  | 60S ribosomal protein L5 - Mus musculus        | -0.92032 | 0.08982 | 52.1886 |
|        |                   | 8183 HIMGQNVADYMR[162]                         |          |         |         |
|        |                   | 8184 GAVDGGLSIPHSTK[134]                       |          |         |         |
|        |                   | 8185 AHAAIR[162]ENPVYEK[134]                   |          |         |         |
|        |                   | 8186 R[162]FPGYDSESK[134]                      |          |         |         |
|        |                   | 8187 HIMGQNVADYMR                              |          |         |         |
|        |                   | 8188 VGLTNYAAAYC[174]TGLLLAR                   |          |         |         |
|        |                   | 8189 VGLTNYAAAYC[174]TGLLLAR[162]              |          |         |         |
|        |                   | 8190 IEGDMIVC[174]AAYAHELK[134]                |          |         |         |
|        |                   | 8191 TTTGNKVFGALKGAVDGGLSIPHSTK                |          |         |         |
|        |                   | 8192 KAHAIRENPVYEK                             |          |         |         |
|        |                   | 8193 TTTGNK[134]VFGALK[134]GAVDGGLSIPHSTK[134] |          |         |         |
|        |                   | 8194 YLMEDEDEAYKKQFSQYIK                       |          |         |         |
|        |                   | 8195 AHAAIRENPVYEKKPK                          |          |         |         |
|        |                   | 8196 VTNR[162]DIIC[174]QIAYAR[162]             |          |         |         |
|        |                   | 8197 K[134]AHAAIR[162]ENPVYEK[134]             |          |         |         |
|        |                   | 8198 YLMEDEDEAYK[134]K[134]                    |          |         |         |
|        |                   | 8199 NNVTPDMMEEMYK[134]K[134]                  |          |         |         |
|        |                   | 8200 GAVDGGLSIPHSTK                            |          |         |         |
|        |                   | 8201 NNVTPDMMEEMYK[134]                        |          |         |         |
|        |                   | 8202 EFNAEVHR[162]K[134]                       |          |         |         |
|        |                   | 8203 EFNAEVHR[162]                             |          |         |         |
|        |                   | 8204 AHAAIRENPVYEK                             |          |         |         |
|        |                   | 8205 TTTGNK[134]VFGALK[134]                    |          |         |         |
|        |                   | 8206 ENPVYEK[134]K[134]PK[134]                 |          |         |         |
| Q64704 | Q64704 STX3_MOUSE | Syntaxin-3 - Mus musculus                      | 0.43003  | 0.42191 | 21.7993 |
|        |                   | 8207 TKDDLEQLTTEIKK                            |          |         |         |
|        |                   | 8208 TK[134]DDLEQLTTEIK[134]K[134]             |          |         |         |
|        |                   | 8209 YNEAQVDFR[162]                            |          |         |         |
|        |                   | 8210 KLYSIILSAPIPEPK                           |          |         |         |
|        |                   | 8211 HIEEDEVR[162]                             |          |         |         |

|        |                    |      |                                              |          |         |         |
|--------|--------------------|------|----------------------------------------------|----------|---------|---------|
|        |                    | 8212 | LYSIILSAPIPEPK[134]                          |          |         |         |
|        |                    | 8213 | YNEAQVDFR                                    |          |         |         |
|        |                    | 8214 | HIEEDEVR                                     |          |         |         |
|        |                    | 8215 | TKDDLEQLTTEIK                                |          |         |         |
|        |                    | 8216 | K[134]FVEVMTK[134]                           |          |         |         |
|        |                    | 8217 | KFVEVMTK                                     |          |         |         |
|        |                    | 8218 | QALSEIEGR[162]                               |          |         |         |
|        |                    | 8219 | QALSEIEGR                                    |          |         |         |
|        |                    | 8220 | TK[134]DDLEQLTTEIK[134]                      |          |         |         |
|        |                    | 8221 | K[134]LYSIILSAPIPEPK[134]                    |          |         |         |
|        |                    | 8222 | LYSIILSAPIPEPK                               |          |         |         |
| Q9DBH5 | Q9DBH5 LMAN2_MOUSE |      | Vesicular integral-membrane protein VIP36 pr | -0.78069 | 0.15016 | 19.5531 |
|        |                    | 8223 | LPTGYFYGASAGTGDLSNDHDIISIK[134]              |          |         |         |
|        |                    | 8224 | NR[162]DHDTFLAVR[162]                        |          |         |         |
|        |                    | 8225 | NLHGDGIALWYTR                                |          |         |         |
|        |                    | 8226 | NRDHDTFLAVR                                  |          |         |         |
|        |                    | 8227 | NLHGDGIALWYTR[162]                           |          |         |         |
|        |                    | 8228 | TPEEESIDWTK[134]IEPGVNFLK[134]               |          |         |         |
| P62908 | P62908 RS3_MOUSE   |      | 40S ribosomal protein S3 - Mus musculus      | -0.29845 | 0.58224 | 53.0864 |
|        |                    | 8229 | FGFPEGSVELYAEK[134]                          |          |         |         |
|        |                    | 8230 | VTPTR[162]TEIIILATR[162]                     |          |         |         |
|        |                    | 8231 | ELAEDGYSGVEVR[162]                           |          |         |         |
|        |                    | 8232 | FGFPEGSVELYAEK                               |          |         |         |
|        |                    | 8233 | KPLPDHVSIVEPKDEILPTTPISEQK                   |          |         |         |
|        |                    | 8234 | K[134]PLPDHVSIVEPK[134]                      |          |         |         |
|        |                    | 8235 | KPLPDHVSIVEPK                                |          |         |         |
|        |                    | 8236 | ELAEDGYSGVEVR                                |          |         |         |
|        |                    | 8237 | IRELTAVVQKR                                  |          |         |         |
|        |                    | 8238 | GGKPEPPAMPQPVPTA                             |          |         |         |
|        |                    | 8239 | GGK[134]PEPPAMPQPVPTA                        |          |         |         |
|        |                    | 8240 | GLC[174]AIAQAESLR[162]                       |          |         |         |
|        |                    | 8241 | GC[174]EVVVSGK[134]                          |          |         |         |
|        |                    | 8242 | FGFPEGSVELYAEKVATR                           |          |         |         |

|        |                    |                                               |          |         |         |
|--------|--------------------|-----------------------------------------------|----------|---------|---------|
|        |                    | 8243 DEILPTTPISEQK                            |          |         |         |
|        |                    | 8244 DEILPTTPISEQK[134]                       |          |         |         |
|        |                    | 8245 IMLPWDPSGK[134]                          |          |         |         |
|        |                    | 8246 VTPTRTEIILATR                            |          |         |         |
|        |                    | 8247 GC[174]EVVVSGK                           |          |         |         |
|        |                    | 8248 GLC[174]AIAQAECLR                        |          |         |         |
|        |                    | 8249 ELTAVVQK[134]R[162]                      |          |         |         |
|        |                    | 8250 ELTAVVQKR                                |          |         |         |
| POC0A3 | POC0A3 CHMP6_MOUSE | Charged multivesicular body protein 6 - Mus n | -0.05491 | 0.91939 | 32      |
|        |                    | 8251 ILDETQEAHEYQR[162]                       |          |         |         |
|        |                    | 8252 ILDETQEAHEYQR                            |          |         |         |
|        |                    | 8253 MHQVMSIEEVER[162]                        |          |         |         |
|        |                    | 8254 VMEGLQVGNEC[174]LNK[134]                 |          |         |         |
|        |                    | 8255 VTEQDRAILQLKQQR                          |          |         |         |
|        |                    | 8256 MHQVMSIEEVER                             |          |         |         |
|        |                    | 8257 VMEGLQVGNEC[174]LNK                      |          |         |         |
|        |                    | 8258 VTEQDR[162]AILQLK[134]                   |          |         |         |
|        |                    | 8259 RVTQQLERER                               |          |         |         |
|        |                    | 8260 AILQLK[134]QQR[162]                      |          |         |         |
|        |                    | 8261 AILQLKQQR                                |          |         |         |
| P25444 | P25444 RS2_MOUSE   | 40S ribosomal protein S2 - Mus musculus       | -0.15940 | 0.76890 | 22.8669 |
|        |                    | 8262 IGKPHTVPC[174]K                          |          |         |         |
|        |                    | 8263 IGK[134]PHTVPC[174]K[134]                |          |         |         |
|        |                    | 8264 SPYQEFTDHLVK[134]                        |          |         |         |
|        |                    | 8265 SPYQEFTDHLVK                             |          |         |         |
|        |                    | 8266 TSYLTPDLWK[134]                          |          |         |         |
|        |                    | 8267 TSYLTPDLWK                               |          |         |         |
|        |                    | 8268 GC[174]TATLGNFAK[134]                    |          |         |         |
|        |                    | 8269 GTGIVSAPVPK[134]                         |          |         |         |
|        |                    | 8270 GC[174]TATLGNFAK                         |          |         |         |
|        |                    | 8271 GTGIVSAPVPK                              |          |         |         |
|        |                    | 8272 ATFDAISK[134]                            |          |         |         |
|        |                    | 8273 IGKPHTVPC[174]KVTGR                      |          |         |         |

|        |                   |                                              |          |         |         |
|--------|-------------------|----------------------------------------------|----------|---------|---------|
| O35129 | O35129 PHB2_MOUSE | Prohibitin-2 - Mus musculus                  | -0.70854 | 0.19155 | 22.7425 |
|        |                   | 8274 IVQAEGEAEAAK[134]                       |          |         |         |
|        |                   | 8275 IGGVQQDTILAEGLHFR[162]                  |          |         |         |
|        |                   | 8276 IVQAEGEAEAAK                            |          |         |         |
|        |                   | 8277 FNASQLITQR[162]                         |          |         |         |
|        |                   | 8278 QKIVQAEGEAEAAK                          |          |         |         |
|        |                   | 8279 QK[134]IVQAEGEAEAAK[134]                |          |         |         |
|        |                   | 8280 VLPSIVNEVLK[134]                        |          |         |         |
|        |                   | 8281 VLSR[162]PNAQELPSMYQR[162]              |          |         |         |
| P06151 | P06151 LDHA_MOUSE | L-lactate dehydrogenase A chain - Mus muscul | 0.20070  | 0.70779 | 10.8434 |
|        |                   | 8282 SADTLWGIQKELQF                          |          |         |         |
|        |                   | 8283 VIGSGC[174]NLDSAR                       |          |         |         |
|        |                   | 8284 VIGSGC[174]NLDSAR[162]                  |          |         |         |
|        |                   | 8285 VTLTPEEEAR[162]                         |          |         |         |
|        |                   | 8286 VTLTPEEEAR                              |          |         |         |
|        |                   | 8287 SADTLWGIQK[134]ELQF                     |          |         |         |
| P49312 | P49312 ROA1_MOUSE | Heterogeneous nuclear ribonucleoprotein A1 - | 0.10384  | 0.84624 | 10.625  |
|        |                   | 8288 NQGGYGGSSSSSYGSGR                       |          |         |         |
|        |                   | 8289 NQGGYGGSSSSSYGSGR[162]                  |          |         |         |
|        |                   | 8290 SSGPYGGGGQYFAK[134]PR[162]              |          |         |         |
|        |                   | 8291 SSGPYGGGGQYFAKPR                        |          |         |         |
| P70452 | P70452 STX4_MOUSE | Syntaxin-4 - Mus musculus                    | 0.11104  | 0.83572 | 32.2148 |
|        |                   | 8292 AIEPQKEEADENYSVNTR                      |          |         |         |
|        |                   | 8293 AIEPQK[134]EEADENYSVNTR[162]            |          |         |         |
|        |                   | 8294 TQHGVLSQQFVELINK[134]                   |          |         |         |
|        |                   | 8295 TQHGVLSQQFVELINK                        |          |         |         |
|        |                   | 8296 QQVTILATPLPEESMK[134]                   |          |         |         |
|        |                   | 8297 HSEIQQLER                               |          |         |         |
|        |                   | 8298 HSEIQQLER[162]                          |          |         |         |
|        |                   | 8299 QQVTILATPLPEESMK                        |          |         |         |
|        |                   | 8300 NILSSADYVER[162]                        |          |         |         |
|        |                   | 8301 LGSPDDEFFQKVQTIR                        |          |         |         |
|        |                   | 8302 LGSPDDEFFQK[134]                        |          |         |         |

|        |                    |      |                                    |         |         |         |
|--------|--------------------|------|------------------------------------|---------|---------|---------|
|        |                    | 8303 | LGSPDDEFFQK                        |         |         |         |
|        |                    | 8304 | QALNEISAR                          |         |         |         |
| P97429 | P97429 ANXA4_MOUSE |      | Annexin A4 - Mus musculus          | 0.48170 | 0.36832 | 57.0533 |
|        |                    | 8305 | INQTYQQQYGR[162]                   |         |         |         |
|        |                    | 8306 | SETSGSFEDALLAIVK                   |         |         |         |
|        |                    | 8307 | GLGTDEDAIIGILAYR                   |         |         |         |
|        |                    | 8308 | GLGTDEDAIIGILAYR[162]              |         |         |         |
|        |                    | 8309 | INQTYQQQYGR                        |         |         |         |
|        |                    | 8310 | AASGFNATEDAQTLR                    |         |         |         |
|        |                    | 8311 | AASGFNATEDAQTLR[162]               |         |         |         |
|        |                    | 8312 | GAGTDEGC[174]LIEILASR              |         |         |         |
|        |                    | 8313 | GAGTDEGC[174]LIEILASR[162]         |         |         |         |
|        |                    | 8314 | RINQTYQQQYGR                       |         |         |         |
|        |                    | 8315 | R[162]INQTYQQQYGR[162]             |         |         |         |
|        |                    | 8316 | SLEEDIC[174]SDTSFMFQR              |         |         |         |
|        |                    | 8317 | SLEEDIC[174]SDTSFMFQR[162]         |         |         |         |
|        |                    | 8318 | DIEQSIKSETSGSFEDALLAIVK            |         |         |         |
|        |                    | 8319 | ISQKDIEQSIKSETSGSFEDALLAIVK        |         |         |         |
|        |                    | 8320 | NHLLHVFDEYKR                       |         |         |         |
|        |                    | 8321 | NHLLHVFDEYK[134]R[162]             |         |         |         |
|        |                    | 8322 | AMK[134]GAGTDEGC[174]LIEILASR[162] |         |         |         |
|        |                    | 8323 | AMKGAGTDEGC[174]LIEILASR           |         |         |         |
|        |                    | 8324 | QDAQELYEAGEKR                      |         |         |         |
|        |                    | 8325 | AASGFNATEDAQTLRK                   |         |         |         |
|        |                    | 8326 | QDAQELYEAGEK[134]R[162]            |         |         |         |
|        |                    | 8327 | ISQKDIEQSIK                        |         |         |         |
|        |                    | 8328 | AASGFNATEDAQTLR[162]K[134]         |         |         |         |
|        |                    | 8329 | SK[134]PSYFAER[162]                |         |         |         |
|        |                    | 8330 | ISQK[134]DIEQSIK[134]              |         |         |         |
|        |                    | 8331 | WGTDEVKFLSILC[174]SR               |         |         |         |
|        |                    | 8332 | SETSGSFEDALLAIVK[134]              |         |         |         |
|        |                    | 8333 | GLGTDDNTLIR                        |         |         |         |
|        |                    | 8334 | AEIDMLDIR[162]                     |         |         |         |

|        |                    |                                              |          |         |         |
|--------|--------------------|----------------------------------------------|----------|---------|---------|
|        |                    | 8335 GLGTDDNTLIR[162]                        |          |         |         |
|        |                    | 8336 AEIDMLDIR                               |          |         |         |
|        |                    | 8337 SKPSYFAER                               |          |         |         |
|        |                    | 8338 SLYSFIK[134]                            |          |         |         |
| Q60930 | Q60930 VDAC2_MOUSE | Voltage-dependent anion-selective channel pr | -0.85804 | 0.11375 | 26.1017 |
|        |                    | 8339 LTFDITFSPNTGK[134]K[134]                |          |         |         |
|        |                    | 8340 LTLSALVDGK[134]                         |          |         |         |
|        |                    | 8341 YQLDPTASISAK                            |          |         |         |
|        |                    | 8342 YQLDPTASISAK[134]                       |          |         |         |
|        |                    | 8343 DIFNK[134]GFGFGLVK[134]                 |          |         |         |
|        |                    | 8344 VNNSSLIGVGYTQTLR[162]PGVK[134]          |          |         |         |
|        |                    | 8345 LTFDITFSPNTGK[134]                      |          |         |         |
|        |                    | 8346 LTFDITFSPNTGKK                          |          |         |         |
|        |                    | 8347 VNNSSLIGVGYTQTLRPGVK                    |          |         |         |
|        |                    | 8348 SNFAVGYR                                |          |         |         |
|        |                    | 8349 SNFAVGYR[162]                           |          |         |         |
| Q8K021 | Q8K021 SCAM1_MOUSE | Secretory carrier-associated membrane protei | 0.28456  | 0.59510 | 30.1775 |
|        |                    | 8350 AQQEFATGVMSNK                           |          |         |         |
|        |                    | 8351 AQQEFATGVMSNK[134]                      |          |         |         |
|        |                    | 8352 TVQTAAANAATAATSAAQNAFK                  |          |         |         |
|        |                    | 8353 TVQTAAANAATAATSAAQNAFK[134]             |          |         |         |
|        |                    | 8354 EREMQNLSQHGR                            |          |         |         |
|        |                    | 8355 EHALAQAECLK[134]R[162]                  |          |         |         |
|        |                    | 8356 ER[162]EMQNLSQHGR[162]                  |          |         |         |
|        |                    | 8357 EREMQNLSQHGR                            |          |         |         |
|        |                    | 8358 EREMQNLSQHGR[162]                       |          |         |         |
|        |                    | 8359 EHALAQAECLK                             |          |         |         |
|        |                    | 8360 EHALAQAECLK[134]                        |          |         |         |
|        |                    | 8361 NVPPGLDEYNPFSDSR[162]                   |          |         |         |
|        |                    | 8362 EHALAQAECLKR                            |          |         |         |
|        |                    | 8363 MPNVPNTQPAIMKPTEHPAYTQITK               |          |         |         |
| Q8K1E0 | Q8K1E0 STX5_MOUSE  | Syntaxin-5 - Mus musculus                    | -0.89616 | 0.09857 | 17.7465 |
|        |                    | 8364 APVSALPLAPNNLGGGPILGAESR                |          |         |         |



|        |                    |                                              |          |         |         |
|--------|--------------------|----------------------------------------------|----------|---------|---------|
|        |                    | 8365 TSQQLQLIDEQDSYIQSR[162]                 |          |         |         |
|        |                    | 8366 APVSALPLAPNNLGGGPILGAESR[162]           |          |         |         |
|        |                    | 8367 QIAQLQDFVR                              |          |         |         |
|        |                    | 8368 QC[174]SEFTLMAR[162]                    |          |         |         |
|        |                    | 8369 QIAQLQDFVR[162]                         |          |         |         |
| Q99JR1 | Q99JR1 SFXN1_MOUSE | Sideroflexin-1 - Mus musculus                | -0.45138 | 0.40541 | 8.6957  |
|        |                    | 8370 NILLTNEQLENAR[162]                      |          |         |         |
|        |                    | 8371 QGIVPAGLTENELWR                         |          |         |         |
|        |                    | 8372 QGIVPAGLTENELWR[162]                    |          |         |         |
| Q9DB05 | Q9DB05 SNAA_MOUSE  | Alpha-soluble NSF attachment protein - Mus n | -0.33894 | 0.53214 | 21.0169 |
|        |                    | 8373 NSQSFFSGLFGGSSK[134]                    |          |         |         |
|        |                    | 8374 NSQSFFSGLFGGSSK                         |          |         |         |
|        |                    | 8375 VAGYAAQLEQYQK                           |          |         |         |
|        |                    | 8376 VAGYAAQLEQYQK[134]                      |          |         |         |
|        |                    | 8377 TIQGDEEDLR[162]                         |          |         |         |
|        |                    | 8378 LDQWLTTMLLR[162]                        |          |         |         |
|        |                    | 8379 QAEAMALLAEAER[162]                      |          |         |         |
|        |                    | 8380 TIQGDEEDLR                              |          |         |         |
| Q9DC16 | Q9DC16 ERGI1_MOUSE | Endoplasmic reticulum-Golgi intermediate con | -0.91022 | 0.09340 | 17.5862 |
|        |                    | 8381 LTSNPLASHDYILK[134]                     |          |         |         |
|        |                    | 8382 LTSNPLASHDYILK                          |          |         |         |
|        |                    | 8383 YDLSPITVK[134]                          |          |         |         |
|        |                    | 8384 YSYQYTVANK[134]                         |          |         |         |
|        |                    | 8385 EYVAYSHTGR[162]                         |          |         |         |
|        |                    | 8386 IIPAIWFR                                |          |         |         |
| Q9JKK1 | Q9JKK1 STX6_MOUSE  | Syntaxin-6 - Mus musculus                    | 0.98756  | 0.06513 | 26.6667 |
|        |                    | 8387 QALLGDSSSQSWNAGVADR                     |          |         |         |
|        |                    | 8388 QALLGDSSSQSWNAGVADR[162]                |          |         |         |
|        |                    | 8389 KFNLDATLSIRK                            |          |         |         |
|        |                    | 8390 AVNTAQGLFQR                             |          |         |         |
|        |                    | 8391 AVNTAQGLFQR[162]                        |          |         |         |
|        |                    | 8392 IGGELEEQAVMLDDFSHELESTQSR[162]          |          |         |         |
| Q9WUD1 | Q9WUD1 STUB1_MOUSE | STIP1 homology and U box-containing protein  | -0.54253 | 0.31731 | 8.8816  |

|        |                    |                                                |          |         |         |
|--------|--------------------|------------------------------------------------|----------|---------|---------|
|        |                    | 8393 SPLTQEQIPNLAMK[134]                       |          |         |         |
|        |                    | 8394 LNFGDDIPSALR[162]                         |          |         |         |
|        |                    | 8395 LNFGDDIPSALR                              |          |         |         |
| O88697 | O88697 STK16_MOUSE | Serine/threonine-protein kinase 16 - Mus mus   | 0.67538  | 0.20719 | 11.4754 |
|        |                    | 8396 QALALQDWAAQR[162]                         |          |         |         |
|        |                    | 8397 QALALQDWAAQR                              |          |         |         |
|        |                    | 8398 ILC[174]HEQQDQEEAQR[162]                  |          |         |         |
|        |                    | 8399 ILC[174]HEQQDQEEAQR                       |          |         |         |
|        |                    | 8400 LFQHPNLR                                  |          |         |         |
| Q60932 | Q60932 VDAC1_MOUSE | Voltage-dependent anion-selective channel pr   | -1.08899 | 0.04472 | 39.8649 |
|        |                    | 8401 YQVDPDAC[174]FSAK[134]                    |          |         |         |
|        |                    | 8402 VNNSSLIGLGYTQTLK[134]PGIK[134]            |          |         |         |
|        |                    | 8403 YQVDPDAC[174]FSAK                         |          |         |         |
|        |                    | 8404 WNTDNTLGTEITVEDQLAR[162]                  |          |         |         |
|        |                    | 8405 EHINLGC[174]DVDFDIAGPSIR[162]             |          |         |         |
|        |                    | 8406 VNNSSLIGLGYTQTLKPGIK                      |          |         |         |
|        |                    | 8407 LTFDSSFSPNTGK[134]K[134]                  |          |         |         |
|        |                    | 8408 EHINLGC[174]DVDFDIAGPSIR                  |          |         |         |
|        |                    | 8409 VTQSNFAVGKYK[134]                         |          |         |         |
|        |                    | 8410 WTEYGLTFTEK[134]                          |          |         |         |
|        |                    | 8411 GYGFGLIK[134]LDLK[134]                    |          |         |         |
|        |                    | 8412 VTQSNFAVGKYK                              |          |         |         |
| Q6ZQI3 | Q6ZQI3 K0152_MOUSE | Uncharacterized protein KIAA0152 precursor -   | -0.89616 | 0.09857 | 8.5911  |
|        |                    | 8413 ASDYGMK[134]LPILR[162]                    |          |         |         |
|        |                    | 8414 STPEDQILYQTER[162]                        |          |         |         |
|        |                    | 8415 STPEDQILYQTER                             |          |         |         |
| Q922Q8 | Q922Q8 LRC59_MOUSE | Leucine-rich repeat-containing protein 59 - Mu | -0.78069 | 0.15016 | 41.6938 |
|        |                    | 8416 WLDLK[134]DNPLDPVLAK[134]                 |          |         |         |
|        |                    | 8417 LVNLQHLDLLNNR                             |          |         |         |
|        |                    | 8418 LVNLQHLDLLNNR[162]                        |          |         |         |
|        |                    | 8419 LDGNELDLSLSDLNVPVK[134]ELAALPK[134]       |          |         |         |
|        |                    | 8420 WLDLKDNPDPVLAK                            |          |         |         |
|        |                    | 8421 ATVLDLSC[174]NK[134]                      |          |         |         |

|        |                    |      |                                             |          |         |         |
|--------|--------------------|------|---------------------------------------------|----------|---------|---------|
|        |                    | 8422 | LSTLPDFC[174]GLTHLVK[134]                   |          |         |         |
|        |                    | 8423 | LVTLPVSAQLK                                 |          |         |         |
|        |                    | 8424 | LVTLPVSAQLK[134]                            |          |         |         |
|        |                    | 8425 | R[162]LEVER[162]EAEK[134]                   |          |         |         |
|        |                    | 8426 | LSTLPDFC[174]GLTHLVK                        |          |         |         |
|        |                    | 8427 | VAGDC[174]LDEK[134]QC[174]K[134]            |          |         |         |
|        |                    | 8428 | LVNLQHLDLLNNR[162]LVTLPVSAQLK[134]          |          |         |         |
|        |                    | 8429 | DKLDGNELDLSLSDLNEVPVKELAALPK                |          |         |         |
|        |                    | 8430 | LQQLPADFGR                                  |          |         |         |
|        |                    | 8431 | NK[134]LQQLPADFGR[162]                      |          |         |         |
|        |                    | 8432 | LQQLPADFGR[162]                             |          |         |         |
|        |                    | 8433 | NKLQQLPADFGR                                |          |         |         |
|        |                    | 8434 | VAGDC[174]LDEK[134]                         |          |         |         |
|        |                    | 8435 | VAGDC[174]LDEK                              |          |         |         |
| P48036 | P48036 ANXA5_MOUSE |      | Annexin A5 - Mus musculus                   | 0.80428  | 0.13308 | 33.2288 |
|        |                    | 8436 | GLGTDEDSILNLLTSR                            |          |         |         |
|        |                    | 8437 | GLGTDEDSILNLLTSR[162]                       |          |         |         |
|        |                    | 8438 | GAGTDDHTLIR[162]                            |          |         |         |
|        |                    | 8439 | NFATSLYSMIK[134]                            |          |         |         |
|        |                    | 8440 | VLTEIIASR[162]                              |          |         |         |
|        |                    | 8441 | SIPAYLAETLYYAMK[134]                        |          |         |         |
|        |                    | 8442 | NFATSLYSMIK                                 |          |         |         |
|        |                    | 8443 | TPEELSAIK                                   |          |         |         |
|        |                    | 8444 | DLVDDLK[134]SELTGK[134]FEK[134]             |          |         |         |
|        |                    | 8445 | GTVTDFPGFDGRADAEVLR                         |          |         |         |
| P50518 | P50518 VATE1_MOUSE |      | Vacuolar proton pump subunit E 1 - Mus musc | -0.89616 | 0.09857 | 30.531  |
|        |                    | 8446 | AR[162]DDLITDLLNEAK[134]                    |          |         |         |
|        |                    | 8447 | ARDDLITDLLNEAK                              |          |         |         |
|        |                    | 8448 | IQMSNLMNQAR[162]                            |          |         |         |
|        |                    | 8449 | C[174]R[162]K[134]QDFPLVK[134]              |          |         |         |
|        |                    | 8450 | GALFGANANR[162]                             |          |         |         |
|        |                    | 8451 | LDLIAQQMMPEVR[162]                          |          |         |         |
|        |                    | 8452 | GALFGANANR                                  |          |         |         |

|        |                    |                                            |          |         |         |
|--------|--------------------|--------------------------------------------|----------|---------|---------|
|        |                    | 8453 GALFGANANR[162]K[134]                 |          |         |         |
|        |                    | 8454 K[134]QDFPLVK[134]                    |          |         |         |
|        |                    | 8455 GALFGANANRK                           |          |         |         |
|        |                    | 8456 IK[134]VSNTLESR[162]                  |          |         |         |
| P57746 | P57746 VATD_MOUSE  | Vacuolar proton pump subunit D - Mus muscu | -1.11189 | 0.04042 | 18.6235 |
|        |                    | 8457 FTAGDFSTTVIQNVNK[134]                 |          |         |         |
|        |                    | 8458 VNAIEHVIIPR[162]                      |          |         |         |
|        |                    | 8459 TLAYIITELDER[162]ER[162]EEFYR[162]    |          |         |         |
|        |                    | 8460 FTAGDFSTTVIQNVNK                      |          |         |         |
| P60904 | P60904 DNJC5_MOUSE | DnaJ homolog subfamily C member 5 - Mus m  | -0.02170 | 0.96810 | 16.1616 |
|        |                    | 8461 YHPDKNPDNPEAADKFK                     |          |         |         |
|        |                    | 8462 EINNAHAILTDATKR                       |          |         |         |
|        |                    | 8463 EINNAHAILTDATK[134]R[162]             |          |         |         |
|        |                    | 8464 YHPDK[134]NPDNPEAADK[134]             |          |         |         |
|        |                    | 8465 YHPDKNPDNPEAADK                       |          |         |         |
| P62918 | P62918 RL8_MOUSE   | 60S ribosomal protein L8 - Mus musculus    | -0.44035 | 0.41699 | 21.7899 |
|        |                    | 8466 ASGNYATVISHNPETK[134]                 |          |         |         |
|        |                    | 8467 AVVGVVAGGGR[162]                      |          |         |         |
|        |                    | 8468 ASGNYATVISHNPETK                      |          |         |         |
|        |                    | 8469 ASGNYATVISHNPETK[134]K[134]           |          |         |         |
|        |                    | 8470 ASGNYATVISHNPETKK                     |          |         |         |
|        |                    | 8471 AVVGVVAGGGR[162]IDK[134]PILK[134]     |          |         |         |
|        |                    | 8472 AVVGVVAGGGRIDKPILK                    |          |         |         |
|        |                    | 8473 GIVK[134]DIIHDPGR[162]                |          |         |         |
|        |                    | 8474 AVVGVVAGGGR                           |          |         |         |
|        |                    | 8475 GIVKDIIHDPGR                          |          |         |         |
|        |                    | 8476 LR[162]AVDFAER[162]                   |          |         |         |
| P97351 | P97351 RS3A_MOUSE  | 40S ribosomal protein S3a - Mus musculus   | -0.71026 | 0.19048 | 24.6212 |
|        |                    | 8477 AC[174]QSIYPLHDVFVR[162]              |          |         |         |
|        |                    | 8478 EVQTNDLK[134]EVVVK[134]               |          |         |         |
|        |                    | 8479 VFEVSLADLQNDEVAFR[162]                |          |         |         |
|        |                    | 8480 LMELHGEGGSSGK[134]                    |          |         |         |
|        |                    | 8481 LMELHGEGGSSGK                         |          |         |         |

|        |                     |                                             |          |         |         |
|--------|---------------------|---------------------------------------------|----------|---------|---------|
|        |                     | 8482 VFEVSLADLQNDEVAFR                      |          |         |         |
|        |                     | 8483 APAMFNIR[162]                          |          |         |         |
|        |                     | 8484 EVQTNDLKEVVNK                          |          |         |         |
|        |                     | 8485 AC[174]QSIYPLHDFVFR                    |          |         |         |
| Q3UCL0 | Q3UCL0 Q3UCL0_MOUSE | Bone marrow macrophage cDNA, RIKEN full-le  | 0.57777  | 0.28057 | 6.8966  |
|        |                     | 8486 VLVSLSAAGRDEGNYLDDALMK                 |          |         |         |
|        |                     | 8487 VLVSLSAAGR[162]                        |          |         |         |
|        |                     | 8488 VLVSLSAAGR                             |          |         |         |
| Q91VK4 | Q91VK4 ITM2C_MOUSE  | Integral membrane protein 2C - Mus musculus | 2.00000  | 0.00019 | 20.4461 |
|        |                     | 8489 AAASGPASASAPAAEILLTPAR                 |          |         |         |
|        |                     | 8490 INVVPVQFGGGDPADIIHDFQR                 |          |         |         |
|        |                     | 8491 ISFQPAVAGIK                            |          |         |         |
| Q921M7 | Q921M7 FA49B_MOUSE  | Protein FAM49B - Mus musculus               | -0.13535 | 0.80299 | 26.5432 |
|        |                     | 8492 INNVPAEGENEVNNELANR[162]               |          |         |         |
|        |                     | 8493 VLKDQPPNSVEGLLNALR                     |          |         |         |
|        |                     | 8494 QFAEILHFTLR[162]                       |          |         |         |
|        |                     | 8495 DAEGILEDLQSYR[162]                     |          |         |         |
|        |                     | 8496 EAIQHHPADEKLQEK                        |          |         |         |
|        |                     | 8497 AWGAVVPLVGK[134]                       |          |         |         |
|        |                     | 8498 EAIQHHPADEK[134]LQEK[134]              |          |         |         |
|        |                     | 8499 VLK[134]DQPPNSVEGLLNALR[162]           |          |         |         |
|        |                     | 8500 DQPPNSVEGLLNALR                        |          |         |         |
| P12970 | P12970 RL7A_MOUSE   | 60S ribosomal protein L7a - Mus musculus    | -0.81816 | 0.13154 | 45.1128 |
|        |                     | 8501 NFGIGQDIQPK[134]                       |          |         |         |
|        |                     | 8502 HWGGNVLGPK[134]                        |          |         |         |
|        |                     | 8503 AGVNTVTTLVENK[134]                     |          |         |         |
|        |                     | 8504 TC[174]TTVAFTQVNSEDKGALAK              |          |         |         |
|        |                     | 8505 TC[174]TTVAFTQVNSEDK[134]GALAK[134]    |          |         |         |
|        |                     | 8506 KTC[174]TTVAFTQVNSEDKGALAK             |          |         |         |
|        |                     | 8507 LK[134]VPPAINQFTQALDR[162]             |          |         |         |
|        |                     | 8508 R[162]HWGGNVLGPK[134]                  |          |         |         |
|        |                     | 8509 TNYNDRYDEIRR                           |          |         |         |
|        |                     | 8510 VPPAINQFTQALDR[162]                    |          |         |         |

|        |                    |                                           |          |         |         |
|--------|--------------------|-------------------------------------------|----------|---------|---------|
|        |                    | 8511 AGVNTVTTLVENK                        |          |         |         |
|        |                    | 8512 AGVNTVTTLVENK[134]K[134]             |          |         |         |
|        |                    | 8513 AAGKGDVPTKRPPVLR                     |          |         |         |
|        |                    | 8514 NFGIGQDIQPK                          |          |         |         |
|        |                    | 8515 KVVNPLFEKRPK                         |          |         |         |
|        |                    | 8516 VPPAINQFTQALDR                       |          |         |         |
|        |                    | 8517 K[134]VVNPLFEK[134]                  |          |         |         |
|        |                    | 8518 HWGGNVLGPK                           |          |         |         |
|        |                    | 8519 VVNPLFEK[134]                        |          |         |         |
|        |                    | 8520 VVNPLFEK                             |          |         |         |
|        |                    | 8521 VPPAINQFTQALDRQTATQLLK               |          |         |         |
| P14148 | P14148 RL7_MOUSE   | 60S ribosomal protein L7 - Mus musculus   | -0.81816 | 0.13154 | 46.6667 |
|        |                    | 8522 IALTDNSLIAR[162]                     |          |         |         |
|        |                    | 8523 IVEPYIAWGYPNLK                       |          |         |         |
|        |                    | 8524 FGIIC[174]MEDLIHEIYTVGKR             |          |         |         |
|        |                    | 8525 FGIIC[174]MEDLIHEIYTVGK[134]R[162]   |          |         |         |
|        |                    | 8526 SLGKFGIIC[174]MEDLIHEIYTVGKR         |          |         |         |
|        |                    | 8527 KVATVPGTLKK                          |          |         |         |
|        |                    | 8528 FGIIC[174]MEDLIHEIYTVGK[134]         |          |         |         |
|        |                    | 8529 TTHFVEGGDAGNREDQINR                  |          |         |         |
|        |                    | 8530 IVEPYIAWGYPNLK[134]                  |          |         |         |
|        |                    | 8531 FK[134]EANNFLWPFK[134]               |          |         |         |
|        |                    | 8532 IALTDNSLIAR                          |          |         |         |
|        |                    | 8533 K[134]AGNFYVPAEPK[134]               |          |         |         |
|        |                    | 8534 TTHFVEGGDAGNR[162]EDQINR[162]        |          |         |         |
|        |                    | 8535 VATVPGTLK[134]K[134]                 |          |         |         |
|        |                    | 8536 AGNFYVPAEPK[134]                     |          |         |         |
|        |                    | 8537 SVNELIYK[134]R[162]                  |          |         |         |
|        |                    | 8538 K[134]VPAVPETLK[134]                 |          |         |         |
|        |                    | 8539 KAGNFYVPAEPK                         |          |         |         |
|        |                    | 8540 FK[134]EANNFLWPFK[134]LSSPR[162]     |          |         |         |
| P35278 | P35278 RAB5C_MOUSE | Ras-related protein Rab-5C - Mus musculus | 0.04244  | 0.93683 | 37.963  |
|        |                    | 8541 GAQAAIVVYDITNTDTFAR                  |          |         |         |

|        |                    |                                           |          |         |         |
|--------|--------------------|-------------------------------------------|----------|---------|---------|
|        |                    | 8542 GAQAAIVVYDITNTDTFAR[162]             |          |         |         |
|        |                    | 8543 TAMNVNEIFMAIAK[134]                  |          |         |         |
|        |                    | 8544 KLPKNEPQNAAGAPGR                     |          |         |         |
|        |                    | 8545 QASPNIVIALAGNKADLASKR                |          |         |         |
|        |                    | 8546 K[134]LPK[134]NEPQNAAGAPGR[162]      |          |         |         |
|        |                    | 8547 QASPNIVIALAGNKADLASK                 |          |         |         |
|        |                    | 8548 TAMNVNEIFMAIAK                       |          |         |         |
|        |                    | 8549 QASPNIVIALAGNK[134]                  |          |         |         |
|        |                    | 8550 QASPNIVIALAGNK                       |          |         |         |
|        |                    | 8551 GVDLQESNPASR[162]                    |          |         |         |
|        |                    | 8552 GVDLQESNPASR                         |          |         |         |
| P35279 | P35279 RAB6A_MOUSE | Ras-related protein Rab-6A - Mus musculus | 0.42576  | 0.42652 | 42.3077 |
|        |                    | 8553 GSDVIIMLVGNKTDLADKR                  |          |         |         |
|        |                    | 8554 SLIPSYIRDSTVAVVVYDITNVNSFQQTTK       |          |         |         |
|        |                    | 8555 LVFLGEQSVGK                          |          |         |         |
|        |                    | 8556 ELNVMTFIETSAK                        |          |         |         |
|        |                    | 8557 ELNVMTFIETSAK[134]                   |          |         |         |
|        |                    | 8558 VAAALPGMESTQDR[162]                  |          |         |         |
|        |                    | 8559 VAAALPGMESTQDR                       |          |         |         |
|        |                    | 8560 LVFLGEQSVGK[134]                     |          |         |         |
|        |                    | 8561 FK[134]LVFLGEQSVGK[134]              |          |         |         |
| P35980 | P35980 RL18_MOUSE  | 60S ribosomal protein L18 - Mus musculus  | -0.48113 | 0.37517 | 26.0638 |
|        |                    | 8562 APGTPHSHTKPYVR                       |          |         |         |
|        |                    | 8563 APGTPHSHTK[134]PYVR[162]             |          |         |         |
|        |                    | 8564 ILTFDQLALESPK[134]                   |          |         |         |
|        |                    | 8565 TAVVVGTVTDDVR[162]                   |          |         |         |
|        |                    | 8566 GTVLLSGPR[162]                       |          |         |         |
| P47915 | P47915 RL29_MOUSE  | 60S ribosomal protein L29 - Mus musculus  | -0.36565 | 0.50033 | 18.75   |
|        |                    | 8567 AGAKAPAKAQASAPAQAPK                  |          |         |         |
|        |                    | 8568 APAK[134]AQASAPAQAPK[134]            |          |         |         |
|        |                    | 8569 APAKAQASAPAQAPK                      |          |         |         |
|        |                    | 8570 ALVK[134]PQAIK[134]PK[134]           |          |         |         |
| P47963 | P47963 RL13_MOUSE  | 60S ribosomal protein L13 - Mus musculus  | -0.25873 | 0.63343 | 54.0284 |

|        |                    |                                           |          |         |         |
|--------|--------------------|-------------------------------------------|----------|---------|---------|
|        |                    | 8571 NKSTESLQANVQR                        |          |         |         |
|        |                    | 8572 NK[134]STESLQANVQR[162]              |          |         |         |
|        |                    | 8573 KGDSSAEELKLATQLTGPVMPIR              |          |         |         |
|        |                    | 8574 VITEEEKNFKAFASLR                     |          |         |         |
|        |                    | 8575 LATQLTGPVMPIR[162]                   |          |         |         |
|        |                    | 8576 STESLQANVQR[162]                     |          |         |         |
|        |                    | 8577 STESLQANVQR                          |          |         |         |
|        |                    | 8578 RIAPRPASGPIRPIVR                     |          |         |         |
|        |                    | 8579 VDTWFNQPAR[162]                      |          |         |         |
|        |                    | 8580 VDTWFNQPAR                           |          |         |         |
|        |                    | 8581 EAAEQDVEK                            |          |         |         |
|        |                    | 8582 IAPRPASGPIRPIVR                      |          |         |         |
|        |                    | 8583 EAAEQDVEK[134]                       |          |         |         |
|        |                    | 8584 AK[134]EAAEQDVEK[134]                |          |         |         |
|        |                    | 8585 TIGISVDPR[162]                       |          |         |         |
|        |                    | 8586 VITEEEK[134]NFK[134]                 |          |         |         |
|        |                    | 8587 VITEEEKNFK                           |          |         |         |
|        |                    | 8588 SK[134]LILFPR[162]                   |          |         |         |
|        |                    | 8589 SKLILFPR                             |          |         |         |
|        |                    | 8590 GFSLEELR[162]                        |          |         |         |
| P53026 | P53026 RL10A_MOUSE | 60S ribosomal protein L10a - Mus musculus | -2.60666 | 0.00000 | 18.894  |
|        |                    | 8591 K[134]YDAFLASESLIK[134]              |          |         |         |
|        |                    | 8592 AGK[134]FPSLLTHNENMVAK[134]          |          |         |         |
|        |                    | 8593 VSR[162]DTLYEAVR[162]                |          |         |         |
| P53994 | P53994 RAB2A_MOUSE | Ras-related protein Rab-2A - Mus musculus | 0.54862  | 0.30555 | 12.7358 |
|        |                    | 8594 LQIWDTAGQESFR                        |          |         |         |
|        |                    | 8595 LQIWDTAGQESFR[162]                   |          |         |         |
|        |                    | 8596 TASNVEEAFINTAK[134]                  |          |         |         |
|        |                    | 8597 TASNVEEAFINTAK                       |          |         |         |
| P61021 | P61021 RAB5B_MOUSE | Ras-related protein Rab-5B - Mus musculus | -0.13535 | 0.80299 | 27.4419 |
|        |                    | 8598 GAQAAIVVYDITNQETFAR                  |          |         |         |
|        |                    | 8599 GAQAAIVVYDITNQETFAR[162]             |          |         |         |
|        |                    | 8600 TAMNVNDLFLAIAK[134]                  |          |         |         |



|        |                    |                                                   |          |         |         |
|--------|--------------------|---------------------------------------------------|----------|---------|---------|
|        |                    | 8601 QASPSIVIALAGNK                               |          |         |         |
|        |                    | 8602 SEPQNLGGAAGR                                 |          |         |         |
|        |                    | 8603 SEPQNLGGAAGR[162]                            |          |         |         |
|        |                    | 8604 QASPSIVIALAGNK[134]                          |          |         |         |
| P62259 | P62259 1433E_MOUSE | 14-3-3 protein epsilon - Mus musculus             | -0.78069 | 0.15016 | 15.6863 |
|        |                    | 8605 AAFDDAIAELDTLSEESYKDSTLIMQLLR                |          |         |         |
|        |                    | 8606 AAFDDAIAELDTLSEESYK[134]DSTLIMQLLR[162]      |          |         |         |
|        |                    | 8607 EAAENSLVAYK[134]                             |          |         |         |
| P62492 | P62492 RB11A_MOUSE | Ras-related protein Rab-11A - Mus musculus        | 0.44171  | 0.40941 | 14.8148 |
|        |                    | 8608 FTRNEFNLESK                                  |          |         |         |
|        |                    | 8609 AQIWDTAGQER                                  |          |         |         |
|        |                    | 8610 AQIWDTAGQER[162]                             |          |         |         |
|        |                    | 8611 STIGVEFATR[162]                              |          |         |         |
|        |                    | 8612 STIGVEFATR                                   |          |         |         |
|        |                    | 8613 FTR[162]NEFNLESK[134]                        |          |         |         |
| P62754 | P62754 RS6_MOUSE   | 40S ribosomal protein S6 - Mus musculus           | -0.45138 | 0.40541 | 14.4578 |
|        |                    | 8614 MATEVAADALGEEWK[134]GYVVR[162]               |          |         |         |
|        |                    | 8615 MATEVAADALGEEWKGYVVR                         |          |         |         |
|        |                    | 8616 KGEKDIPGLTDTTVPR                             |          |         |         |
| P63321 | P63321 RALA_MOUSE  | Ras-related protein Ral-A precursor - Mus mus     | 0.39334  | 0.46258 | 50      |
|        |                    | 8617 ANVDKVFFDLMR                                 |          |         |         |
|        |                    | 8618 ANVDK[134]VFFDLMR[162]                       |          |         |         |
|        |                    | 8619 NRADQWNVNYVETSAK                             |          |         |         |
|        |                    | 8620 NR[162]ADQWNVNYVETSAK[134]                   |          |         |         |
|        |                    | 8621 SALTQLQFMYDEFVEDYEPTK[134]                   |          |         |         |
|        |                    | 8622 SGEGFLC[174]VFSITEMESFAATADFREQILR           |          |         |         |
|        |                    | 8623 SGEGFLC[174]VFSITEMESFAATADFR[162]EQILR[162] |          |         |         |
|        |                    | 8624 VKEDENVPFLLVGNK                              |          |         |         |
|        |                    | 8625 ADQWNVNYVETSAK                               |          |         |         |
|        |                    | 8626 ADQWNVNYVETSAK[134]                          |          |         |         |
|        |                    | 8627 VIMVGSGGVGK                                  |          |         |         |
|        |                    | 8628 VIMVGSGGVGK[134]                             |          |         |         |
| P84099 | P84099 RL19_MOUSE  | 60S ribosomal protein L19 - Mus musculus          | -0.81816 | 0.13154 | 13.7755 |

|        |                    |                                               |          |         |         |
|--------|--------------------|-----------------------------------------------|----------|---------|---------|
|        |                    | 8629 VWLDPNETNEIANANSR[162]                   |          |         |         |
|        |                    | 8630 LLADQAEAR[162]                           |          |         |         |
|        |                    | 8631 LLADQAEAR                                |          |         |         |
|        |                    | 8632 LLADQAEAR[162]R[162]                     |          |         |         |
| Q7M759 | Q7M759 F108B_MOUSE | Abhydrolase domain-containing protein FAM1    | 0.10384  | 0.84624 | 14.2361 |
|        |                    | 8633 ITSPVLIHGTEDVIDFSHGLALFER                |          |         |         |
|        |                    | 8634 NLYADVEAAWLALR[162]                      |          |         |         |
|        |                    | 8635 NLYADVEAAWLALR                           |          |         |         |
| Q91V41 | Q91V41 RAB14_MOUSE | Ras-related protein Rab-14 - Mus musculus     | 0.29146  | 0.58621 | 48.3721 |
|        |                    | 8636 IYQNIQDGSLDLNAAESGVQHKPSAPQGGR           |          |         |         |
|        |                    | 8637 KIYQNIQDGSLDLNAAESGVQHKPSAPQGGR          |          |         |         |
|        |                    | 8638 IYQNIQDGSLDLNAAESGVQHK[134]PSAPQGGR[162] |          |         |         |
|        |                    | 8639 STYNHLSSWLTDAR[162]                      |          |         |         |
|        |                    | 8640 TGENVEDAFLEAAKK                          |          |         |         |
|        |                    | 8641 QFAEENGLLFLEASAK[134]                    |          |         |         |
|        |                    | 8642 TGENVEDAFLEAAK[134]                      |          |         |         |
|        |                    | 8643 NLTNPNTVIILIGNK[134]                     |          |         |         |
|        |                    | 8644 TGENVEDAFLEAAK                           |          |         |         |
|        |                    | 8645 GAAGALMVYDITR[162]                       |          |         |         |
|        |                    | 8646 GAAGALMVYDITRR                           |          |         |         |
| Q99JI6 | Q99JI6 RAP1B_MOUSE | Ras-related protein Rap-1b precursor - Mus m  | -0.28473 | 0.59971 | 21.1957 |
|        |                    | 8647 QVEVDAQQC[174]MLEILDTAGTEQFTAMR[162]     |          |         |         |
|        |                    | 8648 QWNNC[174]AFLESSAK[134]                  |          |         |         |
|        |                    | 8649 QWNNC[174]AFLESSAK                       |          |         |         |
| Q9CQD1 | Q9CQD1 RAB5A_MOUSE | Ras-related protein Rab-5A - Mus musculus     | 0.50377  | 0.34679 | 47.907  |
|        |                    | 8650 GAQAAIVVYDITNEESFAR                      |          |         |         |
|        |                    | 8651 KLPKNPQNPGANSAR                          |          |         |         |
|        |                    | 8652 K[134]LPK[134]NEPQNPGANSAR[162]          |          |         |         |
|        |                    | 8653 YHSLAPMYR[162]                           |          |         |         |
|        |                    | 8654 LVLLGESAVGK                              |          |         |         |
|        |                    | 8655 LVLLGESAVGK[134]                         |          |         |         |
|        |                    | 8656 GVDLTEPAQPAR[162]                        |          |         |         |
|        |                    | 8657 GVDLTEPAQPAR                             |          |         |         |

|        |                    |                                               |          |         |         |
|--------|--------------------|-----------------------------------------------|----------|---------|---------|
|        |                    | 8658 TSMNVNEIFMAIAK[134]                      |          |         |         |
|        |                    | 8659 QASPNIVIALSGNK                           |          |         |         |
|        |                    | 8660 TSMNVNEIFMAIAK                           |          |         |         |
|        |                    | 8661 QASPNIVIALSGNK[134]                      |          |         |         |
|        |                    | 8662 QASPNIVIALSGNKADLANKR                    |          |         |         |
|        |                    | 8663 YHSLAPMYR                                |          |         |         |
| Q9CR57 | Q9CR57 RL14_MOUSE  | 60S ribosomal protein L14 - Mus musculus      | -0.54253 | 0.31731 | 21.1982 |
|        |                    | 8664 AAIAAAAAAAAAAK[134]                      |          |         |         |
|        |                    | 8665 VAYISFGPHAGK[134]LVAIVDVIDQNR[162]       |          |         |         |
|        |                    | 8666 AAIAAAAAAAAAAK                           |          |         |         |
|        |                    | 8667 LVAIVDVIDQNR[162]                        |          |         |         |
|        |                    | 8668 LVAIVDVIDQNR                             |          |         |         |
|        |                    | 8669 ALVDGPC[174]TR[162]                      |          |         |         |
|        |                    | 8670 ALVDGPC[174]TR                           |          |         |         |
| Q9D1G1 | Q9D1G1 RAB1B_MOUSE | Ras-related protein Rab-1B - Mus musculus     | -0.13535 | 0.80299 | 15.9204 |
|        |                    | 8671 NATNVEQAFMTMAAEIK[134]                   |          |         |         |
|        |                    | 8672 MGPGAASGGER[162]PNLK[134]                |          |         |         |
|        |                    | 8673 NATNVEQAFMTMAAEIK                        |          |         |         |
|        |                    | 8674 MGPGAASGGERPNLK                          |          |         |         |
| Q9JIW9 | Q9JIW9 RALB_MOUSE  | Ras-related protein Ral-B precursor - Mus mus | -0.51150 | 0.34578 | 21.8447 |
|        |                    | 8675 GKAEWGVQYVETSAK                          |          |         |         |
|        |                    | 8676 GK[134]AEWGVQYVETSAK[134]                |          |         |         |
|        |                    | 8677 AEEWGVQYVETSAK[134]                      |          |         |         |
|        |                    | 8678 SGEGFLLVFSITEHESFTATAEFREQILR            |          |         |         |

| Acc. Nr. | Protein entry     | Protein Name                                | log <sub>2</sub> (L/H) | P-value | % sequence coverage |
|----------|-------------------|---------------------------------------------|------------------------|---------|---------------------|
| O35604   | O35604 NPC1_MOUSE | Niemann-Pick C1 protein precursor - Mus mus | 0.19559                | 0.64968 | 4.6948              |
|          |                   | 1 FLPMFLSDNPMPK[134]                        |                        |         |                     |
|          |                   | 2 LQEETLDQQLGR[162]                         |                        |         |                     |
|          |                   | 3 LQEETLDQQLGR                              |                        |         |                     |
|          |                   | 4 SNLQLPLQLFLSR[162]                        |                        |         |                     |
|          |                   | 5 SNLQLPLQLFLSR                             |                        |         |                     |
|          |                   | 6 FLPMFLSDNPMPK                             |                        |         |                     |
|          |                   | 7 EFISFVK                                   |                        |         |                     |
|          |                   | 8 YSGPPKPLPK                                |                        |         |                     |
|          |                   | 9 AWAWKEEFISFVK                             |                        |         |                     |
| P06800   | P06800 CD45_MOUSE | Leukocyte common antigen precursor - Mus m  | -0.20624               | 0.60322 | 20.8366             |
|          |                   | 10 LFLAEFQSIPR                              |                        |         |                     |
|          |                   | 11 LFLAEFQSIPR[162]                         |                        |         |                     |
|          |                   | 12 DLVSMIQDLK                               |                        |         |                     |
|          |                   | 13 DLVSMIQDLK[134]                          |                        |         |                     |
|          |                   | 14 TGTIYIGIDAMLEGLEAEGK                     |                        |         |                     |
|          |                   | 15 NSNVVPYDFNR                              |                        |         |                     |
|          |                   | 16 NSNVVPYDFNR[162]                         |                        |         |                     |
|          |                   | 17 TFYILVVR                                 |                        |         |                     |
|          |                   | 18 YVDILPYDYNR                              |                        |         |                     |
|          |                   | 19 ATVIVMVTR                                |                        |         |                     |
|          |                   | 20 TFYILVVR[162]                            |                        |         |                     |
|          |                   | 21 YVDILPYDYNR[162]                         |                        |         |                     |
|          |                   | 22 VFSKFPIKDAR                              |                        |         |                     |
|          |                   | 23 VELSEINGDAGSTYINASYIDGFK[134]EPR[162]    |                        |         |                     |
|          |                   | 24 QLMDVEPIHSDILLETYK                       |                        |         |                     |
|          |                   | 25 QLMDVEPIHSDILLETYKR                      |                        |         |                     |
|          |                   | 26 AFKDIVVTINDHK                            |                        |         |                     |
|          |                   | 27 ATVIVMVTR[162]                           |                        |         |                     |
|          |                   | 28 AFK[134]DIVVTINDHK[134]                  |                        |         |                     |

29 VELSEINGDAGSTYINASYIDGFKEPR  
30 GEELPAEPKDLVSMIQDLK  
31 ADLKDVQNAK  
32 QTYGDMEVEMKDTNR  
33 VDVYGYVVK[134]  
34 VDVYGYVVK  
35 SSNLDEQQELVERDDEK  
36 TGTYIGIDAMLEGLEAEGK[134]  
37 AFKDIVVTINDHKR  
38 AFK[134]DIVVTINDHK[134]R[162]  
39 EVTHIQFTSWPDHGVPEDPHLLK  
40 EVTHIQFTSWPDHGVPEDPHLLK[134]  
41 QLMDVEPIHSDILLETYK[134]  
42 YIAAQGPRDETVDDEFWR  
43 VFSK[134]FPIK[134]DAR[162]  
44 QTYGDMEVEMK[134]DTNR[162]  
45 VPLKHELEMSK  
46 DETVDDEFWR[162]  
47 DETVDDEFWR  
48 SSNLDEQQELVER  
49 QTYGDMEVEMK[134]  
50 SSNLDEQQELVER[162]DDEK[134]  
51 QTYGDMEVEMK  
52 GEELPAEPK  
53 VPLK[134]HELEMSK[134]  
54 KYIAAQGPR  
55 VFSK[134]FPIK[134]  
56 MIWEQK[134]  
57 VFSKFPIK  
58 ADLK[134]DVQNAK[134]  
59 K[134]YIAAQGPR[162]

|        |                  |                                               |          |         |         |
|--------|------------------|-----------------------------------------------|----------|---------|---------|
| P10852 | P10852 4F2_MOUSE | 60 MIWEQK                                     |          |         |         |
|        |                  | 4F2 cell-surface antigen heavy chain - Mus mu | -0.03319 | 0.93334 | 37.8327 |
|        |                  | 61 LGASNLPAGISLPASAK[134]                     |          |         |         |
|        |                  | 62 LGASNLPAGISLPASAK                          |          |         |         |
|        |                  | 63 IGDQLQAFVGR                                |          |         |         |
|        |                  | 64 LLLSTDSAR                                  |          |         |         |
|        |                  | 65 GQNEDPGSLLTQFR                             |          |         |         |
|        |                  | 66 GQNEDPGSLLTQFR[162]                        |          |         |         |
|        |                  | 67 YLVVLNFR[162]                              |          |         |         |
|        |                  | 68 IGDQLQAFVGR[162]                           |          |         |         |
|        |                  | 69 YLVVLNFR                                   |          |         |         |
|        |                  | 70 SHLEYLSTLK                                 |          |         |         |
|        |                  | 71 SHLEYLSTLK[134]                            |          |         |         |
|        |                  | 72 LLLSTDSAR[162]                             |          |         |         |
|        |                  | 73 QINPTLGSQEDFKDLLQSAK                       |          |         |         |
|        |                  | 74 QINPTLGSQEDFK[134]DLLQSAK[134]             |          |         |         |
|        |                  | 75 GQNEDPGSLLTQFRR                            |          |         |         |
|        |                  | 76 FTGLSKEELLK                                |          |         |         |
|        |                  | 77 GLVLGPIHK                                  |          |         |         |
|        |                  | 78 GLVLGPIHK[134]                             |          |         |         |
|        |                  | 79 FTGLSK[134]EELLK[134]                      |          |         |         |
|        |                  | 80 MKEALSSWLQDGVDFQFR                         |          |         |         |
|        |                  | 81 MK[134]EALSSWLQDGVDFQFR[162]               |          |         |         |
|        |                  | 82 SLLHGDFHALSSSPDLFSYIR                      |          |         |         |
|        |                  | 83 DAGGIAGLK                                  |          |         |         |
|        |                  | 84 NQKDEINETDLK                               |          |         |         |
|        |                  | 85 VAEDETEAGVK                                |          |         |         |
|        |                  | 86 VAEDETEAGVK[134]                           |          |         |         |
|        |                  | 87 IKVAEDETEAGVK                              |          |         |         |
|        |                  | 88 IK[134]VAEDETEAGVK[134]                    |          |         |         |
|        |                  | 89 TESLVTR                                    |          |         |         |

|        |                     |                                               |         |         |         |
|--------|---------------------|-----------------------------------------------|---------|---------|---------|
|        |                     | 90 SLLHGDFHALSSSPDLFSYIR[162]                 |         |         |         |
|        |                     | 91 VKGLVLGPIHK                                |         |         |         |
|        |                     | 92 NQK[134]DEINETDLK[134]                     |         |         |         |
|        |                     | 93 DAGGIAGLK[134]                             |         |         |         |
|        |                     | 94 TESLVTR[162]                               |         |         |         |
|        |                     | 95 VK[134]GLVLGPIHK[134]                      |         |         |         |
|        |                     | 96 HWDQNER[162]                               |         |         |         |
|        |                     | 97 GQNEDPGSLTQFR[162]R[162]                   |         |         |         |
| P51912 | P51912 AAAT_MOUSE   | Neutral amino acid transporter B(0) - Mus mus | 0.05530 | 0.89782 | 15.009  |
|        |                     | 98 NEVSLNPLPLATEEGNPLLK                       |         |         |         |
|        |                     | 99 NEVSLNPLPLATEEGNPLLK[134]                  |         |         |         |
|        |                     | 100 MPSSEPELIQVK                              |         |         |         |
|        |                     | 101 MPSSEPELIQVK[134]                         |         |         |         |
|        |                     | 102 NIFPSNLVSAAFR                             |         |         |         |
|        |                     | 103 SFATSYEPK                                 |         |         |         |
|        |                     | 104 QYQGPTGDSSATFEK                           |         |         |         |
|        |                     | 105 QYQGPTGDSSATFEK[134]                      |         |         |         |
|        |                     | 106 NIFPSNLVSAAFR[162]                        |         |         |         |
|        |                     | 107 SFATSYEPK[134]                            |         |         |         |
|        |                     | 108 QYQGPTGDSSATFEKESVM                       |         |         |         |
|        |                     | 109 QYQGPTGDSSATFEK[134]ESVM                  |         |         |         |
|        |                     | 110 LGPEGELLIR                                |         |         |         |
| Q3TZN9 | Q3TZN9 Q3TZN9_MOUSE | 9.5 days embryo parthenogenote cDNA, RIKEN    | 5.65195 | 0.00000 | 26.9434 |
|        |                     | 111 ILIIDEATANVDPR                            |         |         |         |
|        |                     | 112 SSLISALFR                                 |         |         |         |
|        |                     | 113 VIEYTDLEK                                 |         |         |         |
|        |                     | 114 IAYVSQQPWVFSGTVR                          |         |         |         |
|        |                     | 115 DLQLLEDGDLTVIGDR                          |         |         |         |
|        |                     | 116 SFADLIANLR                                |         |         |         |
|        |                     | 117 ILTTEIGLHDLR                              |         |         |         |
|        |                     | 118 MVQQLGKGEEAALTETAK                        |         |         |         |

119 LKEYDEPYVLLQNPESLFYK  
 120 TMNEVITGMR  
 121 APVLFFDRNPIGR  
 122 LNTIIDSDKIMVLDSGR  
 123 MSIIQPQEPVLFTGTMR  
 124 NFLLLDELPQR  
 125 SGVDFGSLLK  
 126 VVQPLFLGK  
 127 IKNFLLDELPQR  
 128 ALEEVQLK  
 129 NLDPFNEHTDEELWR  
 130 SPVFSLSSSLQGLWTIR  
 131 ALEEVQLKEAIEDLPGK  
 132 TDELIQKQ  
 133 MDTELAESGSNFSVGQR  
 134 EAIEDLPGKMDTELAESGSNFSVGQR  
 135 RLEEDDMFSLPEDR  
 136 YWDKELLR  
 137 EAIEDLPGK  
 138 ILGSSYLR  
 139 AIVHVQDFTAFWDK  
 140 IKNFLLDELPQRK  
 141 SGVDFGSLLKK  
 142 SSLLSAVLGELPPASGLVSVHGR  
 143 IPANQLAEVWLK[134]  
 144 VGETTIDLENR[162]  
 145 IPANQLAEVWLK  
 146 VIVESATNIPK  
 147 VIVESATNIPK[134]  
 148 ANVTVLDTQIR[162]

|        |                   |                          |          |         |         |
|--------|-------------------|--------------------------|----------|---------|---------|
| Q69ZN7 | Q69ZN7 MYOF_MOUSE | Myoferlin - Mus musculus | -1.75879 | 0.00001 | 32.5684 |
|--------|-------------------|--------------------------|----------|---------|---------|



149 IYPLPDDPSVPAPPR  
150 IYPLPDDPSVPAPPR[162]  
151 ANVTVLDTQIR  
152 AEDIPQMDDAFSQTVK[134]  
153 DQLRPTQLLQNVAR  
154 DQLR[162]PTQLLQNVAR[162]  
155 FLSQIHEAALR  
156 GPSGTVSEAQLAR  
157 K[134]LEPISSDLLVVEK[134]  
158 LDAVNTLLVMAER[162]  
159 LEPISSDLLVVEK  
160 LEPISSDLLVVEK[134]  
161 IFVELNTFLEK[134]  
162 LIDEVIEDTR[162]  
163 LNSSETDITPK  
164 LNSSETDITPK[134]  
165 ISVYDYDTFTR  
166 ISVYDYDTFTR[162]  
167 NANPEWNQVVNLQIK[134]  
168 NDVVGTYYLYLSK  
169 NLVDPFVEVSFAGK[134]  
170 SLDGEGNFNWR  
171 SLDGEGNFNWR[162]  
172 SITGEDMSDIYVK  
173 SITGEDMSDIYVK[134]  
174 TPNFPSSVLFMK[134]  
175 VEMTLEVLNER  
176 VEMTLEVLNER[162]  
177 WLLNDPEDTSSGAK  
178 WLLNDPEDTSSGAK[134]  
179 EYTGFPDPYDELNSGK

180 GK[134]SDENEDPSVVGEFK[134]  
181 GPSGTVSEAQLAR[162]  
182 LIDEVIEDTR  
183 LQMWVDVFPK[134]  
184 NDVVGTTYLYLSK[134]  
185 NLVDPFVEVSFAGK  
186 SLGPPGPPFNITPR  
187 SLGPPGPPFNITPR[162]  
188 VGETTIDLENR  
189 WGTSGLVGR[162]  
190 FGK[134]PDPIVSVIFK[134]DEK[134]  
191 IPAHQVLYSTSGGNASGK[134]  
192 VFLPK[134]EELYMPPLVIK[134]  
193 VSMFVLGTGDEPPPEKR  
194 VSMFVLGTGDEPPPEK[134]R[162]  
195 LQMWVDVFPK  
196 TLHSTFQPNISQGK  
197 IDVGFVYDEPGHAVMR  
198 IDVGFVYDEPGHAVMR[162]  
199 EGWEYASLIGWK[134]  
200 EVVIEIEDTK[134]PLLASK[134]  
201 LIDEVIEDTRYTLPVTEGK  
202 IPAHQVLYSTSGGNASGK  
203 TQGLVPEHVETR  
204 WGTSGLVGR  
205 FGKPDPIVSVIFKDEK  
206 TLHSTFQPNISQGK[134]  
207 TASLFEQR[162]  
208 VFLPKEELYMPPLVIK  
209 VIEDR[162]DHYIPNTLNPVFGR[162]  
210 IFVELNTFLEK

211 LIGTATVSLK[134]  
 212 TQGLVPEHVETR[162]  
 213 YTLPVTEGK[134]  
 214 LIGTATVSLK  
 215 VYIYHLR[162]  
 216 EELYMPPLVIK[134]  
 217 TPNFPSSVLFMK  
 218 LEGALGADTTEDGEEKGPEK  
 219 LALHILR  
 220 TQTILLK[134]  
 221 LEGALGADTTEDGEEK[134]GPEK[134]  
 222 EELYMPPLVIK  
 223 LALHILR[162]  
 224 DGSNLPILPSQR[162]  
 225 DGSNLPILPSQR  
 226 LIDEVIEDTR[162]YTLPVTEGK[134]  
 227 EVVIEIEDTKPLLASK  
 228 FLSQIHEAALR[162]  
 229 KLEPISSDLLVVEK  
 230 VIIWNTKDVILDEK  
 231 LDAVNTLLVMAER  
 232 DHYIPNTLNPVFGR[162]  
 233 LTVYDWDR  
 234 ISVYDYDTFTRDEK  
 235 WVTFMLK[134]  
 236 DLTQTASSTAR[162]  
 237 ISVYDYDTFTR[162]DEK[134]  
 238 ILHQHLGAPEER[162]  
 239 ELPDSVPQEC[174]TVR[162]  
 240 C[174]SLDMIPDLK[134]

|        |                    |                                            |          |         |         |
|--------|--------------------|--------------------------------------------|----------|---------|---------|
| Q8VDN2 | Q8VDN2 AT1A1_MOUSE | Sodium/potassium-transporting ATPase subun | -0.08560 | 0.82919 | 28.8368 |
|--------|--------------------|--------------------------------------------|----------|---------|---------|

241 GVGIISEGNETVEDIAAR  
242 GVGIISEGNETVEDIAAR[162]  
243 SPDFTNENPLETR  
244 SPDFTNENPLETR[162]  
245 MSINAEDVVVGDLVEVK  
246 AVAGDASESALLK  
247 LNIPVNQVNPR  
248 LNIPVNQVNPR[162]  
249 AVAGDASESALLK[134]  
250 AVFQANQENLPILK  
251 IVEIPFNSTNK  
252 IVEIPFNSTNK[134]  
253 ADIGVAMGIVGSDVSK  
254 ADIGVAMGIVGSDVSK[134]  
255 MSINAEDVVVGDLVEVK[134]  
256 QGAIVAVTGDGVNDSPALK  
257 QGAIVAVTGDGVNDSPALK[134]  
258 DMTSEELDDILR[162]  
259 KADIGVAMGIVGSDVSK  
260 TSATWFALSR[162]  
261 AVFQANQENLPILK[134]  
262 DMTSEELDDILR  
263 TSATWFALSR  
264 GIVVYTGDR[162]  
265 GIVVYTGDR  
266 NMVPQQALVIR[162]  
267 YHTEIVFAR[162]  
268 YHTEIVFAR  
269 AVFQANQENLPILKR  
270 AVFQANQENLPILK[134]R[162]  
271 NMVPQQALVIR

|        |                    |     |                                           |          |         |        |
|--------|--------------------|-----|-------------------------------------------|----------|---------|--------|
|        |                    | 272 | GGDRIPADLR                                |          |         |        |
|        |                    | 273 | QAADMILLDDNFASIVTGVEEGR                   |          |         |        |
|        |                    | 274 | YGTDLR                                    |          |         |        |
|        |                    | 275 | LSLDELHR[162]K[134]                       |          |         |        |
|        |                    | 276 | LSLDELHR                                  |          |         |        |
|        |                    | 277 | LSLDELHR[162]                             |          |         |        |
|        |                    | 278 | K[134]ADIGVAMGIVGSDVSK[134]               |          |         |        |
|        |                    | 279 | GGDR[162]IPADLR[162]                      |          |         |        |
|        |                    | 280 | QGAIVAVTGDGVNDSPALKK                      |          |         |        |
|        |                    | 281 | VDNSSLTGESEPQTR                           |          |         |        |
|        |                    | 282 | VDNSSLTGESEPQTR[162]                      |          |         |        |
|        |                    | 283 | QGAIVAVTGDGVNDSPALK[134]K[134]            |          |         |        |
|        |                    | 284 | YQLSIHKNPNASEPK                           |          |         |        |
|        |                    | 285 | YGTDLR[162]                               |          |         |        |
|        |                    | 286 | NSVFQQGMK[134]                            |          |         |        |
|        |                    | 287 | LSLDELHRK                                 |          |         |        |
|        |                    | 288 | YQLSIHK[134]NPNASEPK[134]                 |          |         |        |
|        |                    | 289 | HLLVMK[134]                               |          |         |        |
|        |                    | 290 | NSVFQQGMK                                 |          |         |        |
|        |                    | 291 | AAVPDAVGK[134]                            |          |         |        |
|        |                    | 292 | AAEILAR[162]                              |          |         |        |
| P17047 | P17047 LAMP2_MOUSE |     | Lysosome-associated membrane glycoprotein | -0.06700 | 0.86591 | 13.253 |
|        |                    | 293 | AFQINTFNLK[134]                           |          |         |        |
|        |                    | 294 | AFQINTFNLK                                |          |         |        |
|        |                    | 295 | VPLDVIFK                                  |          |         |        |
|        |                    | 296 | VPLDVIFK[134]                             |          |         |        |
|        |                    | 297 | TITIAVPDK[134]                            |          |         |        |
|        |                    | 298 | NPENFKVPLDVIFK                            |          |         |        |
|        |                    | 299 | TITIAVPDK                                 |          |         |        |
|        |                    | 300 | EQVLSVSR                                  |          |         |        |
|        |                    | 301 | NPENFK[134]VPLDVIFK[134]                  |          |         |        |

|        |                   |                                              |         |         |         |
|--------|-------------------|----------------------------------------------|---------|---------|---------|
|        |                   | 302 HHTGYEQF                                 |         |         |         |
|        |                   | 303 GVHTVKNPENFK                             |         |         |         |
|        |                   | 304 GVHTVKNPENFKVPLDVIFK                     |         |         |         |
| Q9Z1G4 | Q9Z1G4 VPP1_MOUSE | Vacuolar proton translocating ATPase 116 kDa | 0.46978 | 0.27531 | 17.4017 |
|        |                   | 305 NFLELTELK                                |         |         |         |
|        |                   | 306 NFLELTELK[134]                           |         |         |         |
|        |                   | 307 DLNPDVNVFQR                              |         |         |         |
|        |                   | 308 ANIPIMDTGENPEVPFPR                       |         |         |         |
|        |                   | 309 LGFVAGVINR[162]                          |         |         |         |
|        |                   | 310 LGFVAGVINR                               |         |         |         |
|        |                   | 311 IDDLQMVLNQTEDHR                          |         |         |         |
|        |                   | 312 HLGTLNFGGIR                              |         |         |         |
|        |                   | 313 DLNPDVNVFQR[162]                         |         |         |         |
|        |                   | 314 IDDLQMVLNQTEDHR[162]                     |         |         |         |
|        |                   | 315 KANIPIMDTGENPEVPFPR                      |         |         |         |
|        |                   | 316 FTHGFQNIVDAYGIGTYR                       |         |         |         |
|        |                   | 317 SVFIFFQGDQLK                             |         |         |         |
|        |                   | 318 QAEIENPLEDPVTGDYVHK                      |         |         |         |
|        |                   | 319 FLPFSFEHIR                               |         |         |         |
|        |                   | 320 ANIPIMDTGENPEVPFPR[162]                  |         |         |         |
|        |                   | 321 QAEIENPLEDPVTGDYVHK[134]                 |         |         |         |
|        |                   | 322 FTHGFQNIVDAYGIGTYR[162]                  |         |         |         |
|        |                   | 323 HLGTLNFGGIR[162]                         |         |         |         |
|        |                   | 324 K[134]ANIPIMDTGENPEVPFPR[162]            |         |         |         |
|        |                   | 325 DMIDLEANFEK                              |         |         |         |
| P62991 | P62991 UBIQ_MOUSE | Ubiquitin - Mus musculus                     | 0.40724 | 0.34431 | 69.7368 |
|        |                   | 326 TITLEVEPSDTIENVK[134]                    |         |         |         |
|        |                   | 327 ESTLHLVLR                                |         |         |         |
|        |                   | 328 MQIFVK[134]                              |         |         |         |
|        |                   | 329 TITLEVEPSDTIENVK                         |         |         |         |
|        |                   | 330 TLSDYNIQK[134]                           |         |         |         |

|        |                    |     |                                                          |         |         |         |
|--------|--------------------|-----|----------------------------------------------------------|---------|---------|---------|
|        |                    | 331 | TLSDYNIQK                                                |         |         |         |
|        |                    | 332 | ESTLHLVLR[162]                                           |         |         |         |
|        |                    | 333 | MQIFVK                                                   |         |         |         |
|        |                    | 334 | IQDK[134]EGIPPDQQR[162]                                  |         |         |         |
| Q9R0K7 | Q9R0K7 AT2B2_MOUSE |     | Plasma membrane calcium-transporting ATPase              | 0.26795 | 0.53379 | 6.0935  |
|        |                    | 335 | QVVAVTGDGTNDGPALK                                        |         |         |         |
|        |                    | 336 | QVVAVTGDGTNDGPALK[134]                                   |         |         |         |
|        |                    | 337 | KADVGFAMGIAGTDVAK                                        |         |         |         |
|        |                    | 338 | ADVGFAMGIAGTDVAK                                         |         |         |         |
|        |                    | 339 | MVTGDNINTAR                                              |         |         |         |
|        |                    | 340 | SSLYEGLEKPESR                                            |         |         |         |
|        |                    | 341 | QVVAVTGDGTNDGPALKK                                       |         |         |         |
|        |                    | 342 | MVTGDNINTAR[162]                                         |         |         |         |
|        |                    | 343 | GQILWFR                                                  |         |         |         |
|        |                    | 344 | VYTFNSVR                                                 |         |         |         |
|        |                    | 345 | SSLYEGLEK[134]PESR[162]                                  |         |         |         |
|        |                    | 346 | VYTFNSVR[162]                                            |         |         |         |
|        |                    | 347 | ADVGFAMGIAGTDVAK[134]                                    |         |         |         |
|        |                    | 348 | K[134]ADVGFAMGIAGTDVAK[134]                              |         |         |         |
| P17809 | P17809 GTR1_MOUSE  |     | Solute carrier family 2, facilitated glucose transporter | 0.40464 | 0.34740 | 8.5366  |
|        |                    | 349 | TFDEIASGFR                                               |         |         |         |
|        |                    | 350 | TFDEIASGFR[162]                                          |         |         |         |
|        |                    | 351 | VTILELFR                                                 |         |         |         |
|        |                    | 352 | QGGASQSDKTPEELFHPLGADSQV                                 |         |         |         |
|        |                    | 353 | QGGASQSDK[134]TPEELFHPLGADSQV                            |         |         |         |
| P08752 | P08752 GNAI2_MOUSE |     | Guanine nucleotide-binding protein G(i), alpha           | 0.24783 | 0.56494 | 39.1549 |
|        |                    | 354 | IAQSDYIPTQQDVLR[162]                                     |         |         |         |
|        |                    | 355 | EYQLNDSAAYYLNDLER                                        |         |         |         |
|        |                    | 356 | IAQSDYIPTQQDVLR                                          |         |         |         |
|        |                    | 357 | LLLLGAGESGK                                              |         |         |         |
|        |                    | 358 | LLLLGAGESGK[134]                                         |         |         |         |

359 SREYQLNDSAAYYLNDLER  
 360 AMGNLQIDFADPQR  
 361 AMGNLQIDFADPQRADDAR  
 362 MFDVGGQR  
 363 AMGNLQIDFADPQR[162]  
 364 EYQLNDSAAYYLNDLER[162]  
 365 SR[162]EYQLNDSAAYYLNDLER[162]  
 366 TTGIVETHFTFK  
 367 TTGIVETHFTFK[134]  
 368 YDEAASYIQSK[134]  
 369 AMGNLQIDFADPQR[162]ADDAR[162]  
 370 YDEAASYIQSK  
 371 MFDVGGQR[162]  
 372 NVQFVFDAVTDVVIK[134]  
 373 VK[134]TTGIVETHFTFK[134]  
 374 TTGIVETHFTFKDLHFK  
 375 VKTTGIVETHFTFK  
 376 NVQFVFDAVTDVVIK  
 377 MIDKNLREDGEK  
 378 FEDLNK[134]R[162]  
 379 MIDK[134]NLR[162]EDGEK[134]  
 380 FEDLNKR  
 381 MIDK[134]NLR[162]  
 382 TTGIVETHFTFK[134]DLHFK[134]  
 383 VKTTGIVETHFTFKDLHFK  
 384 NLR[162]EDGEK[134]AAR[162]  
 385 NLREDGEKAAR

|        |                   |                                               |         |         |         |
|--------|-------------------|-----------------------------------------------|---------|---------|---------|
| P06795 | P06795 MDR1_MOUSE | Multidrug resistance protein 1 - Mus musculus | 0.13185 | 0.75947 | 12.7743 |
|        |                   | 386 AGAVAEVLAAIR                              |         |         |         |
|        |                   | 387 AGAVAEVLAAIR[162]                         |         |         |         |
|        |                   | 388 IATEAIENFR                                |         |         |         |



|        |                   |                                     |         |         |         |
|--------|-------------------|-------------------------------------|---------|---------|---------|
|        |                   | 389 IATEAIENFR[162]                 |         |         |         |
|        |                   | 390 EANAYDFIMK                      |         |         |         |
|        |                   | 391 GAAFEIFK                        |         |         |         |
|        |                   | 392 LYDPLEGVVSIDGQDIR               |         |         |         |
|        |                   | 393 EIIGVVSQEPVLFATTIAENIR          |         |         |         |
|        |                   | 394 EIIGVVSQEPVLFATTIAENIR[162]     |         |         |         |
|        |                   | 395 QPHILLDEATSALDTESEK             |         |         |         |
|        |                   | 396 EANIHQFIDSLPKYNTR               |         |         |         |
|        |                   | 397 IIDNEPSIDSFSTK                  |         |         |         |
|        |                   | 398 LPHQFDTLVGER                    |         |         |         |
|        |                   | 399 STVVQLLER[162]                  |         |         |         |
|        |                   | 400 TVIAFGGQK                       |         |         |         |
|        |                   | 401 STVVQLLER                       |         |         |         |
|        |                   | 402 EANAYDFIMK[134]                 |         |         |         |
| P09528 | P09528 FRIH_MOUSE | Ferritin heavy chain - Mus musculus | 0.43063 | 0.31731 | 17.5824 |
|        |                   | 403 MGAPEAGMAEYLFDK                 |         |         |         |
|        |                   | 404 ELGDHVTNLR                      |         |         |         |
|        |                   | 405 IFLQDIK[134]                    |         |         |         |
|        |                   | 406 IFLQDIK                         |         |         |         |
| P26039 | P26039 TLN1_MOUSE | Talin-1 - Mus musculus              | 0.11069 | 0.79714 | 15.1909 |
|        |                   | 407 AIAVTVQEMVTK                    |         |         |         |
|        |                   | 408 AVAEQIPLLVGVR[162]              |         |         |         |
|        |                   | 409 DPVQLNLLYVQAR                   |         |         |         |
|        |                   | 410 EADESLNFEEQILEAAK               |         |         |         |
|        |                   | 411 EADESLNFEEQILEAAK[134]          |         |         |         |
|        |                   | 412 LAQAAQSSVATITR                  |         |         |         |
|        |                   | 413 LAQAAQSSVATITR[162]             |         |         |         |
|        |                   | 414 ILAQATSDLVNAIK                  |         |         |         |
|        |                   | 415 LLGEIAQGNENYAGIAAR              |         |         |         |
|        |                   | 416 LLGEIAQGNENYAGIAAR[162]         |         |         |         |
|        |                   | 417 LNEAAAGLNQAATELVQASR            |         |         |         |

418 LNEAAAGLNQAATELVQASR[162]  
 419 TLAESALQLLYTAK  
 420 TMLESAGGLIQTAR  
 421 TMLESAGGLIQTAR[162]  
 422 VAGSVTELIQAAEAMK  
 423 VAGSVTELIQAAEAMK[134]  
 424 VGAIPANALDDGQWSQGLISAAR  
 425 VMVTNVTSLK[134]  
 426 VSQMAQYFEPLTAAVGAASK  
 427 QAAASATQTIAAAQHAASAPK  
 428 TLAESALQLLYTAK[134]  
 429 AIAVTVQEMVTK[134]  
 430 GLAGAVSELLR  
 431 GLAGAVSELLR[162]  
 432 SIAAATSALVK  
 433 VGDDPAVWQLK[134]  
 434 GSQAQPDSPSAQLALIAASQSFLQPGGK  
 435 NLGTALAE LR  
 436 TYGVSF FLVK  
 437 AVAEQIPLLVQGV R  
 438 LGAASLGAEDPETQVVLINAVK  
 439 ILAQATSDLVNAIK[134]  
 440 ALSTDPA SPNLK  
 441 QAAASATQTIAAAQHAASAPK[134]  
 442 DLDQASLA AVSQQ LAPR  
 443 QEDVIATANLSR  
 444 TYGVSF FLVK[134]  
 445 VMVTNVTSLK  
 446 NLNQALLDLHALGSAR  
 447 NLNQALLDLHALGSAR[162]

|        |                    |                                       |         |         |         |
|--------|--------------------|---------------------------------------|---------|---------|---------|
| P29391 | P29391 FRIL1_MOUSE | Ferritin light chain 1 - Mus musculus | 0.16210 | 0.70660 | 40.4372 |
|--------|--------------------|---------------------------------------|---------|---------|---------|

|        |                    |                                             |         |         |         |
|--------|--------------------|---------------------------------------------|---------|---------|---------|
|        |                    | 448 QNYSTEVEAAVNR                           |         |         |         |
|        |                    | 449 TQEAMEAALAMEK                           |         |         |         |
|        |                    | 450 VAGPQPAQTGAPQGSLGEYLFER                 |         |         |         |
|        |                    | 451 VAGPQPAQTGAPQGSLGEYLFER[162]            |         |         |         |
|        |                    | 452 RVAGPQPAQTGAPQGSLGEYLFER                |         |         |         |
|        |                    | 453 QNYSTEVEAAVNR[162]                      |         |         |         |
|        |                    | 454 LLEFQNDR                                |         |         |         |
|        |                    | 455 LLEFQNDR[162]                           |         |         |         |
| P51863 | P51863 VA0D1_MOUSE | Vacuolar proton pump subunit d 1 - Mus musc | 0.26844 | 0.53305 | 30.4843 |
|        |                    | 456 LLFEGAGSNPGDK                           |         |         |         |
|        |                    | 457 NVADYYPEYK                              |         |         |         |
|        |                    | 458 LLFEGAGSNPGDK[134]                      |         |         |         |
|        |                    | 459 LYPEGLAQLAR[162]                        |         |         |         |
|        |                    | 460 LYPEGLAQLAR                             |         |         |         |
|        |                    | 461 NVADYYPEYK[134]                         |         |         |         |
|        |                    | 462 AKIDNYIPF                               |         |         |         |
|        |                    | 463 SIAELVPK                                |         |         |         |
|        |                    | 464 LLFEGAGSNPGDKTLEDR                      |         |         |         |
|        |                    | 465 ADDYEQVKNVADYYPEYK                      |         |         |         |
|        |                    | 466 ADDYEQVK[134]                           |         |         |         |
|        |                    | 467 AFIITINSFGTELSK                         |         |         |         |
|        |                    | 468 AFIITINSFGTELSKEDR                      |         |         |         |
|        |                    | 469 AFIITINSFGTELSK[134]                    |         |         |         |
|        |                    | 470 AFIITINSFGTELSK[134]EDR[162]            |         |         |         |
|        |                    | 471 FFEHEVK[134]                            |         |         |         |
|        |                    | 472 LLFEGAGSNPGDK[134]TLEDR[162]            |         |         |         |
|        |                    | 473 ADDYEQVK[134]NVADYYPEYK[134]            |         |         |         |
|        |                    | 474 LLFEGAGSNPGDKTLEDRFFEHEVK               |         |         |         |
|        |                    | 475 ADDYEQVK                                |         |         |         |
|        |                    | 476 SIAELVPK[134]                           |         |         |         |
|        |                    | 477 AYLESFYK[134]                           |         |         |         |

|        |                    |                                               |          |         |         |
|--------|--------------------|-----------------------------------------------|----------|---------|---------|
|        |                    | 478 FFEHEVK                                   |          |         |         |
|        |                    | 479 TLED RFFEHEVK                             |          |         |         |
|        |                    | 480 FFEHEVK[134]LNK[134]                      |          |         |         |
|        |                    | 481 AYLESFYK                                  |          |         |         |
|        |                    | 482 MVVEFR                                    |          |         |         |
|        |                    | 483 FFEHEVKLNK                                |          |         |         |
|        |                    | 484 MVVEFR[162]                               |          |         |         |
|        |                    | 485 TLED R[162]FFEHEVK[134]                   |          |         |         |
|        |                    | 486 LLFEGAGSNPGDK[134]TLED R[162]FFEHEVK[134] |          |         |         |
|        |                    | 487 AK[134]IDNYIPF                            |          |         |         |
| P54116 | P54116 STOM_MOUSE  | Erythrocyte band 7 integral membrane proteir  | -0.33703 | 0.39567 | 42.6056 |
|        |                    | 488 EASMVITESPAALQLR[162]                     |          |         |         |
|        |                    | 489 YLQTLTTIAAEK                              |          |         |         |
|        |                    | 490 YLQTLTTIAAEK[134]                         |          |         |         |
|        |                    | 491 VQNATLAVANITNADSATR                       |          |         |         |
|        |                    | 492 VQNATLAVANITNADSATR[162]                  |          |         |         |
|        |                    | 493 VIAAEGEMNASR                              |          |         |         |
|        |                    | 494 EASMVITESPAALQLR                          |          |         |         |
|        |                    | 495 LLAQTTLR                                  |          |         |         |
|        |                    | 496 VIAAEGEMNASR[162]                         |          |         |         |
|        |                    | 497 GPGLFFILPC[174]TDSL IK[134]               |          |         |         |
|        |                    | 498 GPGLFFILPC[174]TDSL IK                    |          |         |         |
|        |                    | 499 LLAQTTLR[162]                             |          |         |         |
|        |                    | 500 AMAAEAEAAR[162]                           |          |         |         |
|        |                    | 501 AMAAEAEAAR                                |          |         |         |
|        |                    | 502 VEIK[134]DVK[134]LPVQLQR[162]             |          |         |         |
|        |                    | 503 TISFDIPPQEVLTK[134]                       |          |         |         |
|        |                    | 504 VEIKDVKLPVQLQR                            |          |         |         |
|        |                    | 505 TISFDIPPQEVLTK                            |          |         |         |
| P61027 | P61027 RAB10_MOUSE | Ras-related protein Rab-10 - Mus musculus     | 0.04973  | 0.90807 | 11.5    |
|        |                    | 506 AFLTLAEDILR                               |          |         |         |

|        |                     |                                                 |         |         |         |
|--------|---------------------|-------------------------------------------------|---------|---------|---------|
|        |                     | 507 AFLTLAEDILR[162]                            |         |         |         |
|        |                     | 508 NIDEHANEDVER                                |         |         |         |
| Q05CJ5 | Q05CJ5 Q05CJ5_MOUSE | Atp2b1 protein (Fragment) - Mus musculus        | 0.09108 | 0.83249 | 33.8658 |
|        |                     | 509 GGQVIQIPVADITVGDIQVK                        |         |         |         |
|        |                     | 510 YGDLLPADGILIQGNDLK                          |         |         |         |
|        |                     | 511 YGDLLPADGILIQGNDLK[134]                     |         |         |         |
|        |                     | 512 EANHGDGDFGITLTEL[162]                       |         |         |         |
|        |                     | 513 EANHGDGDFGITLTEL                            |         |         |         |
|        |                     | 514 SLDKDPLLSGTHVMEGSGR                         |         |         |         |
|        |                     | 515 IDESSLTGESDHVKK                             |         |         |         |
|        |                     | 516 SLDK[134]DPLLLSGTHVMEGSGR[162]              |         |         |         |
|        |                     | 517 TSPNEGLSGNPADLER                            |         |         |         |
|        |                     | 518 IDESSLTGESDHVK                              |         |         |         |
|        |                     | 519 TSPNEGLSGNPADLER[162]                       |         |         |         |
|        |                     | 520 GGQVIQIPVADITVGDIQVK[134]                   |         |         |         |
| Q32ME1 | Q32ME1 Q32ME1_MOUSE | ATPase, Ca++ transporting, plasma membrane      | 0.31979 | 0.45772 | 3.7037  |
|        |                     | 521 TSPIEGLSGNPADLEK                            |         |         |         |
|        |                     | 522 TSPIEGLSGNPADLEK[134]                       |         |         |         |
|        |                     | 523 GIIDSTAGEQR                                 |         |         |         |
|        |                     | 524 NVIEPMASEGLR                                |         |         |         |
|        |                     | 525 LK[134]TSPIEGLSGNPADLEK[134]                |         |         |         |
|        |                     | 526 NVIEPMASEGLR[162]                           |         |         |         |
|        |                     | 527 LKTSPIEGLSGNPADLEK                          |         |         |         |
|        |                     | 528 GIIDSTAGEQR[162]                            |         |         |         |
| Q3TXK7 | Q3TXK7 Q3TXK7_MOUSE | Osteoclast-like cell cDNA, RIKEN full-length en | 0.26100 | 0.54445 | 4.507   |
|        |                     | 529 AVVYSNTIQSIMAIVK                            |         |         |         |
|        |                     | 530 AVVYSNTIQSIMAIVK[134]                       |         |         |         |
| Q3TYD6 | Q3TYD6 LMTK2_MOUSE  | Serine/threonine-protein kinase LMTK2 precu     | 1.12554 | 0.00896 | 8.2257  |
|        |                     | 531 GAEGPPQSFTLGPQSSYR                          |         |         |         |
|        |                     | 532 VLLGETYTGTSVAR                              |         |         |         |
|        |                     | 533 NAGFTSALLESPQR                              |         |         |         |

|        |                     |                                                |         |         |         |
|--------|---------------------|------------------------------------------------|---------|---------|---------|
|        |                     | 534 DASSSAAFPILDHFAR                           |         |         |         |
|        |                     | 535 WTAPELVTSFQDR                              |         |         |         |
|        |                     | 536 EALLESLGSHTPR                              |         |         |         |
|        |                     | 537 EQVSDLQTELK                                |         |         |         |
|        |                     | 538 SSSNLGLDPPALLTTEVDKLER                     |         |         |         |
| Q3UFR4 | Q3UFR4 Q3UFR4_MOUSE | B16 F10Y cells cDNA, RIKEN full-length enriche | 0.10725 | 0.80332 | 2.8829  |
|        |                     | 539 EVLDSFLDLVR                                |         |         |         |
|        |                     | 540 EVLDSFLDLVR[162]                           |         |         |         |
|        |                     | 541 SAPTK[134]EVLDSFLDLVR[162]                 |         |         |         |
|        |                     | 542 SAPTKEVLDSFLDLVR                           |         |         |         |
| Q62351 | Q62351 TFR1_MOUSE   | Transferrin receptor protein 1 - Mus musculus  | 0.30408 | 0.48011 | 53.4731 |
|        |                     | 543 VSASPLLYTLMGK                              |         |         |         |
|        |                     | 544 SAFSNLFGGEPLSYTR                           |         |         |         |
|        |                     | 545 TAAEVAGQLIIK[134]                          |         |         |         |
|        |                     | 546 LNSIEFADTIK                                |         |         |         |
|        |                     | 547 SAFSNLFGGEPLSYTR[162]                      |         |         |         |
|        |                     | 548 ILNIFGVIK                                  |         |         |         |
|        |                     | 549 ILNIFGVIK[134]                             |         |         |         |
|        |                     | 550 TAAEVAGQLIIK                               |         |         |         |
|        |                     | 551 GYEEDRYVVVGAQR                             |         |         |         |
|        |                     | 552 VSASPLLYTLMGK[134]                         |         |         |         |
|        |                     | 553 LNSIEFADTIK[134]                           |         |         |         |
|        |                     | 554 VPQLNQMVVR                                 |         |         |         |
|        |                     | 555 LAQVFSDMISK[134]                           |         |         |         |
|        |                     | 556 GYEEDR[162]YVVVGAQR[162]                   |         |         |         |
|        |                     | 557 VPQLNQMVVR[162]                            |         |         |         |
|        |                     | 558 LDTYEALTQK[134]                            |         |         |         |
|        |                     | 559 LAQVFSDMISK                                |         |         |         |
|        |                     | 560 LDTYEALTQK                                 |         |         |         |
|        |                     | 561 SSVGTGLLLK[134]                            |         |         |         |
|        |                     | 562 QLSQNTYTPR                                 |         |         |         |

563 AGEITFAEK  
564 RILNIFGVIK  
565 AGEITFAEK[134]  
566 SSVGTGLLK  
567 AFTYINLDKVVLTGSNFK  
568 DMGLSLQWLYSAR  
569 DMGLSLQWLYSAR[162]  
570 LAADEEENADNNMK  
571 LAADEEENADNNMK[134]  
572 TLLSEKLNSIEFADTIK  
573 VANAQSFNAIGVLIYMDK  
574 VANAQSFNAIGVLIYMDK[134]  
575 HIFWGSHTLSALVENLK  
576 LAETEETDKSETMETEDVPTSSR  
577 LDYEALTQK[134]VPQLNQMVVR[162]  
578 LTHDVELNLDYEMYNK  
579 LTHDVELNLDYEMYNK[134]  
580 TLLSEK[134]LNSIEFADTIK[134]  
581 LVHANFGTK[134]  
582 QVDGDNSHVEMK[134]  
583 R[162]ILNIFGVIK[134]  
584 VEYHFLSPYVSPR  
585 LTTDFHNAEK  
586 EAGSQKDESLAYYIENQFHEFK  
587 LDYEALTQKVPQLNQMVVR  
588 IMKVEYHFLSPYVSPR  
589 LTTDFHNAEK[134]  
590 QLSQNTYTPR[162]  
591 IMQDVKHPVDGK  
592 QVDGDNSHVEMK  
593 AFTYINLDK[134]VVLGTGSNFK[134]

594 LELSQNQNVK  
 595 VEYHFLSPYVSPR[162]  
 596 LELSQNQNVK[134]  
 597 LVHANFGTK  
 598 ILNIFGVIKGYEEPDR  
 599 VWR[162]DEHYVK[134]  
 600 LLSFMKDLNQFK  
 601 R[162]ILNIFGVIK  
 602 VWRDEHYVK  
 603 TDIRDMGLSLQWLYSAR  
 604 VVLGTSNFK[134]  
 605 AFTYINLDK[134]  
 606 VVLGTSNFK  
 607 DSNWISK[134]  
 608 DSNWISK  
 609 DALGAGVAAK[134]  
 610 YVVVGAQR[162]  
 611 DALGAGVAAK  
 612 AFTYINLDK  
 613 DSNWISK[134]VEK[134]  
 614 YVVVGAQR  
 615 LYWADLK  
 616 LAETEETDK[134]SETMETEDVPTSSR[162]  
 617 DSNWISKVEK  
 618 IMQDVK[134]HPVDGK[134]  
 619 LVHANFGTKK  
 620 LPQPEAVVALLQGVQTDR  
 621 ALEIADFSGNPLSR  
 622 SLEELLLDANQLR  
 623 ALAALPSAGSLQR[162]

|        |                   |                             |         |         |        |
|--------|-------------------|-----------------------------|---------|---------|--------|
| Q80U72 | Q80U72 LAP4_MOUSE | Protein LAP4 - Mus musculus | 0.12392 | 0.77353 | 4.8387 |
|--------|-------------------|-----------------------------|---------|---------|--------|



|        |                     |                                                    |          |         |         |
|--------|---------------------|----------------------------------------------------|----------|---------|---------|
|        |                     | 624 ALAALPSAGSLQR                                  |          |         |         |
|        |                     | 625 LPDGFTQLR[162]                                 |          |         |         |
|        |                     | 626 SLPASLSFLVK                                    |          |         |         |
| Q8CFE6 | Q8CFE6 S38A2_MOUSE  | Sodium-coupled neutral amino acid transporter      | 0.42348  | 0.32541 | 15.4762 |
|        |                     | 627 SHYADVDPENQNFLLSNLGK[134]                      |          |         |         |
|        |                     | 628 SHYADVDPENQNFLLSNLGK                           |          |         |         |
|        |                     | 629 TANEGGSLLYEQLGHK                               |          |         |         |
|        |                     | 630 SHYADVDPENQNFLLSNLGKK                          |          |         |         |
|        |                     | 631 FNISPDEDSSSYSSNSDFNYSYPTK                      |          |         |         |
|        |                     | 632 SHYADVDPENQNFLLSNLGK[134]K[134]                |          |         |         |
|        |                     | 633 TANEGGSLLYEQLGHK[134]                          |          |         |         |
|        |                     | 634 YELPLVIK                                       |          |         |         |
|        |                     | 635 YELPLVIK[134]                                  |          |         |         |
|        |                     | 636 AYGLAGK                                        |          |         |         |
|        |                     | 637 AYGLAGK[134]                                   |          |         |         |
| Q8K314 | Q8K314 Q8K314_MOUSE | Atp2b1 protein (Fragment) - Mus musculus           | 0.10589  | 0.80576 | 3.7199  |
|        |                     | 638 GIIDSTVSEQR                                    |          |         |         |
|        |                     | 639 MTVVQAYINEK                                    |          |         |         |
|        |                     | 640 GIIDSTVSEQR[162]                               |          |         |         |
|        |                     | 641 TVIEPMASEGLR[162]                              |          |         |         |
|        |                     | 642 MTVVQAYINEK[134]                               |          |         |         |
|        |                     | 643 TVIEPMASEGLR                                   |          |         |         |
| Q8R4Y4 | Q8R4Y4 STAB1_MOUSE  | Stabilin-1 precursor - Mus musculus                | -1.11502 | 0.00495 | 1.7892  |
|        |                     | 644 NIEALASDLPNLGQLR[162]                          |          |         |         |
|        |                     | 645 LIYLFTAGLSK[134]                               |          |         |         |
|        |                     | 646 VTALVPSES AIR[162]                             |          |         |         |
|        |                     | 647 VGLELLR[162]                                   |          |         |         |
| Q91W06 | Q91W06 Q91W06_MOUSE | T-cell, immune regulator 1, ATPase, H+ transporter | -0.08921 | 0.82211 | 23.2614 |
|        |                     | 648 VNFVAGAVEPYK                                   |          |         |         |
|        |                     | 649 FTSSFQGIVDAYGVGR[162]                          |          |         |         |
|        |                     | 650 AGLTLAPPEGTL PAPP PR                           |          |         |         |

651 FTSSFQGIVDAYGVGR  
 652 AGLTLAPPEGTLPAPPPR[162]  
 653 VNFVAGAVEPYK[134]  
 654 DLPTVQQALQSGSSEEGVSAVAHR  
 655 DLPTVQQALQSGSSEEGVSAVAHR[162]  
 656 GFLIASFR[162]  
 657 LSPFTFTVDS  
 658 IQEETDRLAQELR  
 659 TNRFTSSFQGIVDAYGVGR  
 660 DLNESVSAFQR[162]  
 661 DLNESVSAFQR  
 662 IQEETDR[162]LAQELR[162]  
 663 FLSQVLGR  
 664 VQQLPPWQVQIHK[134]  
 665 FLSQVLGR[162]  
 666 AGLTLAPPEGTLPAPPPRDLLR  
 667 GFLIASFR  
 668 TLQQLQQSQELQEVLGETDR  
 669 VQQLPPWQVQIHK  
 670 LLASPDASTLENSWSPDEEK  
 671 TLQQLQQSQELQEVLGETDR[162]  
 672 TFTFLREEVQR  
 673 TFTFLR[162]EEVQR[162]  
 674 TNR[162]FTSSFQGIVDAYGVGR[162]  
 675 ASSFVLALEPELESR  
 676 IDHILDAL  
 677 ASSFVLALEPELESR[162]  
 678 AVTSEIAVLQSR  
 679 FVDHVFDEQVIDSLTVK  
 680 AVTSEIAVLQSR[162]

|        |                   |                                               |         |         |         |
|--------|-------------------|-----------------------------------------------|---------|---------|---------|
| Q91YQ5 | Q91YQ5 RIB1_MOUSE | Dolichyl-diphosphooligosaccharide--protein gl | 0.08124 | 0.85037 | 36.3487 |
|--------|-------------------|-----------------------------------------------|---------|---------|---------|

681 TVDLSSHLAK[134]  
 682 NIQVDSPYDISR  
 683 NIQVDSPYDISR[162]  
 684 GEDEEDNNLEVR  
 685 TILPAAAQDVYYR  
 686 VTAEVVLVHPGGGSTR  
 687 VTAEVVLVHPGGGSTR[162]  
 688 VHYENNSPFLTITSMTR  
 689 TILPAAAQDVYYR[162]  
 690 VAC[174]ITEQVLTLVNK  
 691 SEDVLDYGPFK  
 692 LPVALDPGSK[134]  
 693 FPLFGGWK[134]  
 694 SEDVLDYGPFK[134]  
 695 DIPAYSQDTFK  
 696 TVDLSSHLAK  
 697 VAC[174]ITEQVLTLVNK[134]R[162]  
 698 LPVALDPGSK  
 699 HFDETVNR  
 700 HFDETVNR[162]  
 701 QPDSGISSIR[162]  
 702 DTYLENEK  
 703 FPLFGGWK  
 704 QPDSGISSIR  
 705 NVESYTK  
 706 DIPAYSQDTFK[134]  
 707 DTYLENEK[134]  
 708 ALSPQDYVATVADALK  
 709 YLALLETLR  
 710 YLALLETLR[162]

|        |                                         |         |         |         |
|--------|-----------------------------------------|---------|---------|---------|
| Q99MR3 | Q99MR3 Q99MR3_MOUSE CIP1 - Mus musculus | 0.56906 | 0.18635 | 11.1597 |
|--------|-----------------------------------------|---------|---------|---------|

|        |                    |                                               |          |         |         |
|--------|--------------------|-----------------------------------------------|----------|---------|---------|
|        |                    | 711 DGEEGPTTALTFLYLPRPPADPAR                  |          |         |         |
|        |                    | 712 ILHALAQDDLFGVILAPAK                       |          |         |         |
|        |                    | 713 ALSPQDYVATVADALK[134]                     |          |         |         |
|        |                    | 714 EGGSPALSTLFPPPR                           |          |         |         |
|        |                    | 715 EGGSPALSTLFPPPR[162]                      |          |         |         |
|        |                    | 716 AFVDLTLSPSVR                              |          |         |         |
|        |                    | 717 DGEEGPTTALTFLYLPR[162]PPADPAR[162]        |          |         |         |
|        |                    | 718 EGGSPALSTLFPPPRAPGSPR                     |          |         |         |
| Q99P72 | Q99P72 RTN4_MOUSE  | Reticulon-4 - Mus musculus                    | 0.49640  | 0.24902 | 14.8881 |
|        |                    | 719 KPAAGLSAAPVPPAAAPLLDFSSDSVPPAPR           |          |         |         |
|        |                    | 720 GPLPAAPPTAPER                             |          |         |         |
|        |                    | 721 GPLPAAPPTAPER[162]                        |          |         |         |
|        |                    | 722 TSNPFLVAIHDSEADYVTTDNLSK                  |          |         |         |
|        |                    | 723 VPLLLPNVSALESQIEMGNIVKPK                  |          |         |         |
|        |                    | 724 AYLESEVAISEELVQK                          |          |         |         |
|        |                    | 725 TSVVDLLYWR                                |          |         |         |
|        |                    | 726 K[134]PAAGLSAAPVPPAAAPLLDFSSDSVPPAPR[162] |          |         |         |
|        |                    | 727 SPAASAPSLPPAAAVLPSK                       |          |         |         |
|        |                    | 728 HQAQIDHYLGLANK                            |          |         |         |
|        |                    | 729 HQAQIDHYLGLANK[134]                       |          |         |         |
|        |                    | 730 SPAASAPSLPPAAAVLPSK[134]                  |          |         |         |
|        |                    | 731 SDEGHPFR                                  |          |         |         |
|        |                    | 732 YSNSALGHVNSTIK                            |          |         |         |
| Q9D1D4 | Q9D1D4 TMEDA_MOUSE | Transmembrane emp24 domain-containing pr      | -0.08630 | 0.82783 | 22.3744 |
|        |                    | 733 IPDQLVILDMK                               |          |         |         |
|        |                    | 734 IPDQLVILDMK[134]                          |          |         |         |
|        |                    | 735 LKPLEVELR                                 |          |         |         |
|        |                    | 736 R[162]LEDLSESIVNDFAYMK[134]               |          |         |         |
|        |                    | 737 RLEDLSESIVNDFAYMK                         |          |         |         |
|        |                    | 738 ITDSAGHILYAK                              |          |         |         |
|        |                    | 739 LK[134]PLEVELR[162]                       |          |         |         |

|        |                    |                                               |          |         |         |
|--------|--------------------|-----------------------------------------------|----------|---------|---------|
| Q9DC29 | Q9DC29 ABCB6_MOUSE | Mitochondrial ATP-binding cassette sub-family | 1.06452  | 0.01344 | 14.8456 |
|        |                    | 740 APDIILLDEATSALDTSNER                      |          |         |         |
|        |                    | 741 AVDSLLNFETVK                              |          |         |         |
|        |                    | 742 IDGQDISQVTQISLR                           |          |         |         |
|        |                    | 743 SHIGVVPQDTVLFNDTIANNIR                    |          |         |         |
|        |                    | 744 TILKAPDIILLDEATSALDTSNER                  |          |         |         |
|        |                    | 745 AVDSLLNFETVK[134]                         |          |         |         |
|        |                    | 746 EVPAGPEELSWAAGPR                          |          |         |         |
|        |                    | 747 YYGAEGYEVDR                               |          |         |         |
|        |                    | 748 APDIILLDEATSALDTSNER[162]                 |          |         |         |
|        |                    | 749 SHIGVVPQDTVLFNDTIANNIR[162]               |          |         |         |
|        |                    | 750 LSTVVNADQILVIK                            |          |         |         |
|        |                    | 751 ALNVLVPIFYR                               |          |         |         |
|        |                    | 752 IDGQDISQVTQISLR[162]                      |          |         |         |
| Q9JLN9 | Q9JLN9 FRAP_MOUSE  | FKBP12-rapamycin complex-associated proteir   | -0.49936 | 0.20821 | 1.4908  |
|        |                    | 753 VLGLLGALDPYK                              |          |         |         |
|        |                    | 754 VLGLLGALDPYK[134]                         |          |         |         |
|        |                    | 755 TLVLLLGVDPSR[162]                         |          |         |         |
|        |                    | 756 IQSIAPSLQVITSK                            |          |         |         |
| Q9WU81 | Q9WU81 SPX2_MOUSE  | Sugar phosphate exchanger 2 - Mus musculus    | -0.36387 | 0.35913 | 13.7725 |
|        |                    | 757 EQGPEPEAISFLGALR                          |          |         |         |
|        |                    | 758 EQGPEPEAISFLGALR[162]                     |          |         |         |
|        |                    | 759 SSLAPGVWFLR[162]                          |          |         |         |
|        |                    | 760 ESNVDIAASSSK                              |          |         |         |
|        |                    | 761 ESNVDIAASSSK[134]                         |          |         |         |
|        |                    | 762 SSLAPGVWFLR                               |          |         |         |
|        |                    | 763 HHDDPEKEQDNPEDPVNSPYSSR                   |          |         |         |
|        |                    | 764 HHDDPEK[134]EQDNPEDPVNSPYSSR[162]         |          |         |         |
|        |                    | 765 K[134]PISIVK[134]                         |          |         |         |
| P60710 | P60710 ACTB_MOUSE  | Actin, cytoplasmic 1 - Mus musculus           | -0.16929 | 0.66963 | 25.0667 |
|        |                    | 766 VAPEEHPVLLTEAPLNPK[134]                   |          |         |         |

|        |                   |                                              |          |         |         |
|--------|-------------------|----------------------------------------------|----------|---------|---------|
|        |                   | 767 VAPEEHPVLLTEAPLNPK                       |          |         |         |
|        |                   | 768 GYSFTTTAER                               |          |         |         |
|        |                   | 769 TTGIVMDSGDGVTHTVPIYEGYALPHAILR           |          |         |         |
|        |                   | 770 GYSFTTTAER[162]                          |          |         |         |
|        |                   | 771 QEYDESGPSIVHR                            |          |         |         |
|        |                   | 772 QEYDESGPSIVHR[162]                       |          |         |         |
|        |                   | 773 TTGIVMDSGDGVTHTVPIYEGYALPHAILR[162]      |          |         |         |
|        |                   | 774 GYSFTTTAEREIVR                           |          |         |         |
|        |                   | 775 GYSFTTTAER[162]EIVR[162]                 |          |         |         |
|        |                   | 776 QEYDESGPSIVHR[162]K[134]                 |          |         |         |
|        |                   | 777 QEYDESGPSIVHRK                           |          |         |         |
|        |                   | 778 IWHHTFYNELR[162]                         |          |         |         |
|        |                   | 779 C[174]DVIDRK                             |          |         |         |
| Q8C129 | Q8C129 LCAP_MOUSE | Leucyl-cystinyl aminopeptidase - Mus musculu | -0.45832 | 0.24806 | 33.6585 |
|        |                   | 780 YFAATQFEPLAAR                            |          |         |         |
|        |                   | 781 GFPLVTVQR                                |          |         |         |
|        |                   | 782 YFAATQFEPLAAR[162]                       |          |         |         |
|        |                   | 783 GFPLVTVQR[162]                           |          |         |         |
|        |                   | 784 SYLSEDVFR                                |          |         |         |
|        |                   | 785 GASLLMLK                                 |          |         |         |
|        |                   | 786 VTFMSAVSSQEK                             |          |         |         |
|        |                   | 787 LLGMSFMNR                                |          |         |         |
|        |                   | 788 SYLSEDVFR[162]                           |          |         |         |
|        |                   | 789 LLGMSFMNR[162]                           |          |         |         |
|        |                   | 790 GLGEHEMDEDEEDYESSAK                      |          |         |         |
|        |                   | 791 KSSVPAEEGLIQDEFSESVK                     |          |         |         |
|        |                   | 792 KYFAATQFEPLAAR                           |          |         |         |
|        |                   | 793 IFKELNSYEDFLDAR                          |          |         |         |
|        |                   | 794 LLQNQIQQTWTDEGTPSMR                      |          |         |         |
|        |                   | 795 LLQNQIQQTWTDEGTPSMR[162]                 |          |         |         |
|        |                   | 796 NMIENSMFEEEPDVVDLAK                      |          |         |         |

797 NMIENSMFEEEPDVVDLAK[134]  
798 SSVPAEEGLIQDEFSESVK  
799 SSVPAEEGLIQDEFSESVK[134]  
800 THLSEVQAFFENQSEATLK[134]  
801 GLGEHEMDEDEEDYESSAK[134]  
802 IFK[134]ELNSYEDFLDAR[162]  
803 IGQVHHALDTTIK  
804 ILEALASSEDVHK  
805 THLSEVQAFFENQSEATLK  
806 K[134]YFAATQFEPLAAR[162]  
807 IGQVHHALDTTIK[134]  
808 ELNSYEDFLDAR  
809 ILEALASSEDVHK[134]  
810 NEHHTALSNMPK  
811 VTFMSAVSSQEK[134]  
812 ELNSYEDFLDAR[162]  
813 K[134]GTELLLQQR[162]  
814 KGTELLLQQR  
815 GFPLVTVQR[162]K[134]  
816 GTELLLQQR  
817 GTELLLQQR[162]  
818 GSVTISLQALQDTR  
819 SVSLLDK[134]K[134]  
820 LGHMDLSSR  
821 GASLLMLK[134]  
822 SSLDGDHIR[162]  
823 SDVINLTEQVQWVK[134]  
824 NPVVLSDKDR  
825 GFPLVTVQRK  
826 VFPWAQIR  
827 VFPWAQIR[162]

|        |                    |                                             |         |         |         |
|--------|--------------------|---------------------------------------------|---------|---------|---------|
|        |                    | 828 SVSLDDKK                                |         |         |         |
|        |                    | 829 NPYVLSDK[134]DR[162]                    |         |         |         |
|        |                    | 830 NEHHTALSNMPK[134]                       |         |         |         |
|        |                    | 831 NLKTLQWL                                |         |         |         |
|        |                    | 832 NLK[134]TLQWL                           |         |         |         |
|        |                    | 833 ATFIK[134]                              |         |         |         |
|        |                    | 834 ANLNNIFELAGLGK                          |         |         |         |
|        |                    | 835 ANLNNIFELAGLGK[134]                     |         |         |         |
|        |                    | 836 GSVTISLQALQDTR[162]                     |         |         |         |
|        |                    | 837 SDVINLTEQVQWVK                          |         |         |         |
|        |                    | 838 MSTYLVAFIVGEMR[162]                     |         |         |         |
|        |                    | 839 LYWLMK[134]                             |         |         |         |
|        |                    | 840 ATFIK                                   |         |         |         |
|        |                    | 841 K[134]SSVPAEEGLIQDEFSESVK[134]          |         |         |         |
| P26151 | P26151 FCGR1_MOUSE | High affinity immunoglobulin gamma Fc recep | 0.15804 | 0.71363 | 30.6931 |
|        |                    | 842 VLTEGEPLALR                             |         |         |         |
|        |                    | 843 LVYNVVFYR                               |         |         |         |
|        |                    | 844 SDGVYEEVTATASQTTPK                      |         |         |         |
|        |                    | 845 SDGVYEEVTATASQTTPK[134]                 |         |         |         |
|        |                    | 846 ELFTTPVLR[162]                          |         |         |         |
|        |                    | 847 VLTEGEPLALR[162]                        |         |         |         |
|        |                    | 848 YNLEVPLVSEQGK                           |         |         |         |
|        |                    | 849 YNLEVPLVSEQGK[134]                      |         |         |         |
|        |                    | 850 AVITLQPPWVSIFQK                         |         |         |         |
|        |                    | 851 ELFTTPVLR                               |         |         |         |
|        |                    | 852 LVYNVVFYR[162]                          |         |         |         |
|        |                    | 853 KYNLEVPLVSEQGKK                         |         |         |         |
|        |                    | 854 R[162]VLTEGEPLALR[162]                  |         |         |         |
|        |                    | 855 RVLTEGEPLALR                            |         |         |         |
|        |                    | 856 C[174]QIGSSMPSPDPVQLQIHNDWLLLQASR       |         |         |         |
|        |                    | 857 YNLEVPLVSEQGK[134]K[134]                |         |         |         |



|        |                    |                                              |          |         |         |
|--------|--------------------|----------------------------------------------|----------|---------|---------|
|        |                    | 858 AVITLQPPWVSIFQK[134]                     |          |         |         |
|        |                    | 859 KANSFQQVR                                |          |         |         |
|        |                    | 860 KYNLEVPLVSEQGK                           |          |         |         |
|        |                    | 861 ANSFQQVR                                 |          |         |         |
|        |                    | 862 ANSFQQVR[162]                            |          |         |         |
|        |                    | 863 YNLEVPLVSEQGKK                           |          |         |         |
|        |                    | 864 YTSAGVSITVK                              |          |         |         |
| O35609 | O35609 SCAM3_MOUSE | Secretory carrier-associated membrane protei | -0.08125 | 0.83775 | 22.3496 |
|        |                    | 865 TAAANAAAGAAENAFR[162]                    |          |         |         |
|        |                    | 866 AQQEFAAGVFSNPAVR                         |          |         |         |
|        |                    | 867 NYGSYSTQASAAAATAELLK                     |          |         |         |
|        |                    | 868 TAAANAAAGAAENAFR                         |          |         |         |
|        |                    | 869 AQQEFAAGVFSNPAVR[162]                    |          |         |         |
|        |                    | 870 TAAANAAAGAAENAFRAP                       |          |         |         |
|        |                    | 871 NYGSYSTQASAAAATAELLK[134]                |          |         |         |
|        |                    | 872 TAAANAAAGAAENAFR[162]AP                  |          |         |         |
|        |                    | 873 ELQHVALGGAGTR                            |          |         |         |
|        |                    | 874 ELQHVALGGAGTR[162]                       |          |         |         |
|        |                    | 875 NYGSYSTQASAAAATAELLKK                    |          |         |         |
|        |                    | 876 NYGSYSTQASAAAATAELLK[134]K[134]          |          |         |         |
|        |                    | 877 ERELQHVALGGAGTR                          |          |         |         |
|        |                    | 878 K[134]LSPTEPR[162]                       |          |         |         |
| O70439 | O70439 STX7_MOUSE  | Syntaxin-7 - Mus musculus                    | 0.16957  | 0.69375 | 42.5287 |
|        |                    | 879 LVAEFTTSLTNFQK                           |          |         |         |
|        |                    | 880 TLNQLGTPQDSPELR                          |          |         |         |
|        |                    | 881 LVAEFTTSLTNFQK[134]                      |          |         |         |
|        |                    | 882 TLNQLGTPQDSPELR[162]                     |          |         |         |
|        |                    | 883 EFGSLPTTPSEQR                            |          |         |         |
|        |                    | 884 EFGSLPTTPSEQR[162]                       |          |         |         |
|        |                    | 885 ETDKYIKEFGSLPTTPSEQR                     |          |         |         |
|        |                    | 886 QQYTNQLAK[134]                           |          |         |         |

|        |                   |                                                |          |         |        |
|--------|-------------------|------------------------------------------------|----------|---------|--------|
|        |                   | 887 NLVSWESQTQPQVQVQDEEITEDDLR                 |          |         |        |
|        |                   | 888 NLVSWESQTQPQVQVQDEEITEDDLR[162]            |          |         |        |
|        |                   | 889 VSGGFPEDSSK                                |          |         |        |
|        |                   | 890 QLEADIMDINEIFK                             |          |         |        |
|        |                   | 891 QQYTNQLAK                                  |          |         |        |
|        |                   | 892 VSGGFPEDSSK[134]                           |          |         |        |
|        |                   | 893 QLEADIMDINEIFK[134]                        |          |         |        |
|        |                   | 894 VSGGFPEDSSKEK                              |          |         |        |
| Q91ZX7 | Q91ZX7 LRP1_MOUSE | Prolow-density lipoprotein receptor-related pr | -0.67976 | 0.08669 | 3.7624 |
|        |                   | 895 AVTDEEPFLIFANR[162]                        |          |         |        |
|        |                   | 896 AVTDEEPFLIFANR                             |          |         |        |
|        |                   | 897 ITWPNGLTVDYVTER[162]                       |          |         |        |
|        |                   | 898 TLISGMIDEPHAIVVDPLR                        |          |         |        |
|        |                   | 899 TLISGMIDEPHAIVVDPLR[162]                   |          |         |        |
|        |                   | 900 IETAAMDGTLR                                |          |         |        |
|        |                   | 901 IETAAMDGTLR[162]                           |          |         |        |
|        |                   | 902 ELLGRGPEDEIGDPLA                           |          |         |        |
|        |                   | 903 LSVIGSIR                                   |          |         |        |
|        |                   | 904 ELLGR[162]GPEDEIGDPLA                      |          |         |        |
|        |                   | 905 GTMYWSDWGNHPK                              |          |         |        |
|        |                   | 906 LSVIGSIR[162]                              |          |         |        |
|        |                   | 907 LYWADAK                                    |          |         |        |
|        |                   | 908 GTMYWSDWGNHPK[134]                         |          |         |        |
|        |                   | 909 MTNGAMNVEIGNPTYK                           |          |         |        |
|        |                   | 910 DVIEVAQMK                                  |          |         |        |
|        |                   | 911 GVTHLNISGLK                                |          |         |        |
|        |                   | 912 DVIEVAQMK[134]                             |          |         |        |
|        |                   | 913 GVTHLNISGLK[134]                           |          |         |        |
|        |                   | 914 MTNGAMNVEIGNPTYK[134]                      |          |         |        |
|        |                   | 915 ETLVQDNIQWPTGLAVDYHNER                     |          |         |        |
|        |                   | 916 GPEDEIGDPLA                                |          |         |        |

|        |                    |                                              |          |         |         |
|--------|--------------------|----------------------------------------------|----------|---------|---------|
|        |                    | 917 ETLVQDNIQWPTGLAVDYHNER[162]              |          |         |         |
|        |                    | 918 C[174]LQGAC[174]VVNK                     |          |         |         |
|        |                    | 919 C[174]LQGAC[174]VVNK[134]                |          |         |         |
| Q9DC51 | Q9DC51 GNAI3_MOUSE | Guanine nucleotide-binding protein G(k) subu | -0.13604 | 0.73171 | 26.8362 |
|        |                    | 920 ISQTNYPQQDVL                             |          |         |         |
|        |                    | 921 ISQTNYPQQDVL[162]                        |          |         |         |
|        |                    | 922 EYQLNDSASYLNDLDR                         |          |         |         |
|        |                    | 923 EYQLNDSASYLNDLDR[162]                    |          |         |         |
|        |                    | 924 SREYQLNDSASYLNDLDR                       |          |         |         |
|        |                    | 925 SR[162]EYQLNDSASYLNDLDR[162]             |          |         |         |
|        |                    | 926 LKIDFGESAR                               |          |         |         |
|        |                    | 927 LK[134]IDFGESAR[162]                     |          |         |         |
|        |                    | 928 IDFGESAR[162]                            |          |         |         |
|        |                    | 929 IDFGESAR                                 |          |         |         |
|        |                    | 930 QLFVLAGSAEEGVMTSELGVIKR                  |          |         |         |
|        |                    | 931 VVVYSNTIQSIIAIR[162]                     |          |         |         |
|        |                    | 932 VVVYSNTIQSIIAIR                          |          |         |         |
|        |                    | 933 NLREDGEKAAK                              |          |         |         |
| Q64430 | Q64430 ATP7A_MOUSE | Copper-transporting ATPase 1 - Mus musculus  | 0.61728  | 0.15173 | 9.1214  |
|        |                    | 934 ILAIVGTAESNSEHPLGAAVTK                   |          |         |         |
|        |                    | 935 VSIASEVESTASSPSSSLQK                     |          |         |         |
|        |                    | 936 VSIASEVESTASSPSSSLQK[134]                |          |         |         |
|        |                    | 937 ILAIVGTAESNSEHPLGAAVTK[134]              |          |         |         |
|        |                    | 938 ATHVGADTTLSQIVK                          |          |         |         |
|        |                    | 939 VFAEVLPSHK                               |          |         |         |
|        |                    | 940 YNASLVTPEMLR                             |          |         |         |
|        |                    | 941 VTNIEGLLHK                               |          |         |         |
|        |                    | 942 ASINSLSDKR                               |          |         |         |
|        |                    | 943 AIEAISPQYR                               |          |         |         |
|        |                    | 944 VTNIEGLLHK[134]                          |          |         |         |
|        |                    | 945 LGAIDVER                                 |          |         |         |

|        |                    |                                               |          |         |         |
|--------|--------------------|-----------------------------------------------|----------|---------|---------|
|        |                    | 946 AIEAISPQQYR[162]                          |          |         |         |
|        |                    | 947 YNPAVIQPR                                 |          |         |         |
|        |                    | 948 VIAEFIR                                   |          |         |         |
| Q8BZN6 | Q8BZN6 DOC10_MOUSE | Dedicator of cytokinesis protein 10 - Mus mus | -0.16233 | 0.68247 | 4.1395  |
|        |                    | 949 FVFETPFTLSGK                              |          |         |         |
|        |                    | 950 ASLASLDSNPSTTEK[134]                      |          |         |         |
|        |                    | 951 ILQISPEGPLQGR                             |          |         |         |
|        |                    | 952 ASLASLDSNPSTTEK                           |          |         |         |
|        |                    | 953 SANIPDPLTPSESIR                           |          |         |         |
|        |                    | 954 LNLFSLDAPDIDTLK                           |          |         |         |
|        |                    | 955 SANIPDPLTPSESIR[162]                      |          |         |         |
|        |                    | 956 LTGLSEISQR                                |          |         |         |
|        |                    | 957 LTGLSEISQR[162]                           |          |         |         |
|        |                    | 958 YLTETEDTVK[134]                           |          |         |         |
|        |                    | 959 LNLFSLDAPDIDTLK[134]                      |          |         |         |
| Q9Z1W8 | Q9Z1W8 AT12A_MOUSE | Potassium-transporting ATPase alpha chain 2 - | 0.14393  | 0.73820 | 2.029   |
|        |                    | 960 VIMVTGDHPITAK                             |          |         |         |
|        |                    | 961 VIMVTGDHPITAK[134]                        |          |         |         |
|        |                    | 962 LIFDNLK[134]K[134]                        |          |         |         |
|        |                    | 963 LIFDNLKK                                  |          |         |         |
| O54734 | O54734 OST48_MOUSE | Dolichyl-diphosphooligosaccharide--protein gl | 0.01249  | 0.97687 | 12.9252 |
|        |                    | 964 TLVLLDNLNVR[162]                          |          |         |         |
|        |                    | 965 SSLNPILFR[162]                            |          |         |         |
|        |                    | 966 SSLNPILFR                                 |          |         |         |
|        |                    | 967 NTLIAGLQAR                                |          |         |         |
|        |                    | 968 NTLIAGLQAR[162]                           |          |         |         |
|        |                    | 969 TLVLLDNLNVR                               |          |         |         |
|        |                    | 970 TADDPSSLIK                                |          |         |         |
|        |                    | 971 DTHSLFFR[162]                             |          |         |         |
|        |                    | 972 TADDPSSLIK[134]                           |          |         |         |
|        |                    | 973 GFELTFK                                   |          |         |         |

|        |                     |                                              |          |         |         |
|--------|---------------------|----------------------------------------------|----------|---------|---------|
|        |                     | 974 DTHSLFFR                                 |          |         |         |
|        |                     | 975 GFELTFK[134]                             |          |         |         |
| Q8BNL1 | Q8BNL1 Q8BNL1_MOUSE | 9 days embryo whole body cDNA, RIKEN full-le | -2.06922 | 0.00000 | 6.014   |
|        |                     | 976 AGFLAFTQLPK[134]                         |          |         |         |
|        |                     | 977 AGFLAFTQLPK                              |          |         |         |
|        |                     | 978 MQELALSEGALPR[162]                       |          |         |         |
|        |                     | 979 HLVGLWTADNTTATNLLK[134]R[162]            |          |         |         |
| Q68FD5 | Q68FD5 CLH_MOUSE    | Clathrin heavy chain - Mus musculus          | -0.02995 | 0.93983 | 23.2239 |
|        |                     | 980 LLLPWLEAR[162]                           |          |         |         |
|        |                     | 981 LLLPWLEAR                                |          |         |         |
|        |                     | 982 KFNALFAQGNYSEAAK                         |          |         |         |
|        |                     | 983 NNLAGEEELFAR                             |          |         |         |
|        |                     | 984 NNLAGEEELFAR[162]                        |          |         |         |
|        |                     | 985 LLYNNVSNFGR[162]                         |          |         |         |
|        |                     | 986 LHIIEVGTPPTGNQPFPK                       |          |         |         |
|        |                     | 987 LLYNNVSNFGR                              |          |         |         |
|        |                     | 988 IYDSNNNPER[162]                          |          |         |         |
|        |                     | 989 VVGAMQLYSVDR                             |          |         |         |
|        |                     | 990 VVGAMQLYSVDRK                            |          |         |         |
|        |                     | 991 VVGAMQLYSVDR[162]                        |          |         |         |
|        |                     | 992 ALEHFTDLYDIKR                            |          |         |         |
|        |                     | 993 K[134]FNALFAQGNYSEAAK[134]               |          |         |         |
|        |                     | 994 K[134]VSQPIEGHAASFAQFK[134]              |          |         |         |
|        |                     | 995 LASTLVHLGEYQAAVDGAR                      |          |         |         |
|        |                     | 996 LASTLVHLGEYQAAVDGAR[162]                 |          |         |         |
|        |                     | 997 IYDSNNNPER                               |          |         |         |
|        |                     | 998 KVSQPIEGHAASFAQFK                        |          |         |         |
|        |                     | 999 TLQIFNIEMK[134]                          |          |         |         |
|        |                     | 1000 QLPLVKPYLR                              |          |         |         |
|        |                     | 1001 TLQIFNIEMK                              |          |         |         |
|        |                     | 1002 LHIIEVGTPPTGNQPFPK[134]                 |          |         |         |

1003 IVLDNSVFSEHR  
1004 QLPLVK[134]PYLR[162]  
1005 VSQPIEGHAASFAQFK  
1006 VANVELYYK  
1007 IAAYLFK  
1008 EAIDSYIK  
1009 ESYVETELIFALAK  
1010 GQFSTDELVAEVEKR  
1011 KVGYPDWIFLLR  
1012 LAELEEFINGPNNAHIQQVGDR[162]  
1013 NLQNLLILTAIK  
1014 VGYTPDWIFLLR  
1015 WLLLTGISAQQNR  
1016 WLLLTGISAQQNR[162]  
1017 LKLLLPWLEAR  
1018 K[134]VGYPDWIFLLR[162]  
1019 VGYTPDWIFLLR[162]  
1020 SVNESLNNLFITEEDYQALR  
1021 SVNESLNNLFITEEDYQALR[162]  
1022 TSIDAYDNFDNISLAQR  
1023 TSIDAYDNFDNISLAQR[162]  
1024 LAELEEFINGPNNAHIQQVGDR  
1025 ISGETIFVTAPHEATAGIIGVNR  
1026 ISGETIFVTAPHEATAGIIGVNR[162]  
1027 VANVELYYK[134]  
1028 ALEHFTDLYDIK[134]R[162]  
1029 ESYVETELIFALAK[134]  
1030 VDKLDASESLR  
1031 NLQNLLILTAIK[134]  
1032 IVLDNSVFSEHR[162]  
1033 VVGAMQLYSVDR[162]K[134]

|        |                     |      |                                                  |          |         |         |
|--------|---------------------|------|--------------------------------------------------|----------|---------|---------|
|        |                     | 1034 | AYEFAER                                          |          |         |         |
|        |                     | 1035 | GQFSTDELVAEVEK[134]R[162]                        |          |         |         |
|        |                     | 1036 | NLILVVR[162]                                     |          |         |         |
|        |                     | 1037 | YIEIYVQK                                         |          |         |         |
|        |                     | 1038 | FLR[162]ENPYYSR[162]                             |          |         |         |
| P70206 | P70206 PLXA1_MOUSE  |      | Plexin-A1 precursor - Mus musculus               | 0.16919  | 0.69440 | 11.6156 |
|        |                     | 1039 | LLLLDYAANR                                       |          |         |         |
|        |                     | 1040 | EAGSMAGVLIAGPPGQGQAK                             |          |         |         |
|        |                     | 1041 | LLLLDYAANR[162]                                  |          |         |         |
|        |                     | 1042 | LVQDAYLSRPGQALAK                                 |          |         |         |
|        |                     | 1043 | LVQDAYLSR[162]PGQALAK[134]                       |          |         |         |
|        |                     | 1044 | EAGSMAGVLIAGPPGQGQAK[134]                        |          |         |         |
|        |                     | 1045 | TPMITPDLES GTK                                   |          |         |         |
|        |                     | 1046 | QTSAYNISNSSTFTK[134]                             |          |         |         |
|        |                     | 1047 | LQLQMDNLES R                                     |          |         |         |
|        |                     | 1048 | LFVGTPIDGK[134]                                  |          |         |         |
|        |                     | 1049 | LFVGTPIDGKSEYFPTLSS R                            |          |         |         |
|        |                     | 1050 | SEYFPTLSS R                                      |          |         |         |
|        |                     | 1051 | AGDMDLEWR                                        |          |         |         |
|        |                     | 1052 | YLSCLKIR                                         |          |         |         |
|        |                     | 1053 | LFVGTPIDGK                                       |          |         |         |
|        |                     | 1054 | IILQDEDVTTK                                      |          |         |         |
|        |                     | 1055 | MVSEIYLTR                                        |          |         |         |
|        |                     | 1056 | SKLEQVVDTMALSS                                   |          |         |         |
|        |                     | 1057 | MVSEIYLTR[162]                                   |          |         |         |
|        |                     | 1058 | SK[134]LEQVVDTMALSS                              |          |         |         |
|        |                     | 1059 | VLFP GIEDHPVLK                                   |          |         |         |
|        |                     | 1060 | SPPELGER[162]PDEIGFIMDNVR[162]                   |          |         |         |
| Q3UQJ7 | Q3UQJ7 Q3UQJ7_MOUSE |      | 13 days embryo lung cDNA, RIKEN full-length cDNA | -2.24190 | 0.00000 | 13.0526 |
|        |                     | 1062 | SLQYGEQVSEILSR[162]                              |          |         |         |

|        |                     |      |                                           |          |         |         |
|--------|---------------------|------|-------------------------------------------|----------|---------|---------|
|        |                     | 1063 | IVDGPDPENIILILK[134]                      |          |         |         |
|        |                     | 1064 | ELIVGEIFVR[162]                           |          |         |         |
|        |                     | 1065 | LLEGVGLENLDSPAATK[134]                    |          |         |         |
|        |                     | 1066 | QLVLETLYALASNTK[134]                      |          |         |         |
|        |                     | 1067 | TITMETSDDLFSK[134]                        |          |         |         |
|        |                     | 1068 | AELLEFLESQQENMIK[134]                     |          |         |         |
|        |                     | 1069 | SLAGMLTPYIAR[162]                         |          |         |         |
|        |                     | 1070 | IVDGPDPENIILILK                           |          |         |         |
|        |                     | 1071 | FLPSVFMAMR                                |          |         |         |
|        |                     | 1072 | SLQYGEQVSEILSR                            |          |         |         |
|        |                     | 1073 | TITMETSDDLFSK                             |          |         |         |
| Q8VDD5 | Q8VDD5 MYH9_MOUSE   |      | Myosin-9 - Mus musculus                   | -0.16233 | 0.68247 | 1.9898  |
|        |                     | 1074 | ALELDSNLYR[162]                           |          |         |         |
|        |                     | 1075 | VSHLLGINVDFTR[162]                        |          |         |         |
|        |                     | 1076 | IAQLEEQLDNETKER                           |          |         |         |
|        |                     | 1077 | VSHLLGINVDFTR                             |          |         |         |
| O88983 | O88983 STX8_MOUSE   |      | Syntaxin-8 - Mus musculus                 | 0.31901  | 0.45881 | 22.4576 |
|        |                     | 1078 | QNLLDDLVT                                 |          |         |         |
|        |                     | 1079 | QNLLDDLVT[162]                            |          |         |         |
|        |                     | 1080 | LLASFKNEGAEPDLIR                          |          |         |         |
|        |                     | 1081 | LLASFK[134]NEGAEPDLIR[162]                |          |         |         |
|        |                     | 1082 | NEGAEPDLIR                                |          |         |         |
|        |                     | 1083 | LLASFK[134]                               |          |         |         |
|        |                     | 1084 | GLGFDEIR                                  |          |         |         |
|        |                     | 1085 | NEGAEPDLIR[162]                           |          |         |         |
|        |                     | 1086 | IIQEQDAGLDALSSIIR                         |          |         |         |
|        |                     | 1087 | IIQEQDAGLDALSSIIR[162]                    |          |         |         |
| A1E2H6 | A1E2H6 A1E2H6_MOUSE |      | Lymphocyte common antigen (Fragment) - Mu | -0.26186 | 0.50929 | 11.4286 |
|        |                     | 1088 | DPPSDPSPLEAEYQR                           |          |         |         |
|        |                     | 1089 | DPPSDPSPLEAEYQR[162]                      |          |         |         |
|        |                     | 1090 | RDPPSDPSPLEAEYQR                          |          |         |         |



|        |                     |                                               |          |         |         |
|--------|---------------------|-----------------------------------------------|----------|---------|---------|
| Q3TNE7 | Q3TNE7 Q3TNE7_MOUSE | 1091 R[162]DPPSDPSPLEAEYQR[162]               | -2.54565 | 0.00000 | 12.5261 |
|        |                     | 6 days neonate spleen cDNA, RIKEN full-length |          |         |         |
|        |                     | 1092 K[134]PVVLEVTPGGFDQINPVTNR[162]          |          |         |         |
|        |                     | 1093 GQGTEFNLTFR[162]                         |          |         |         |
|        |                     | 1094 FLAAPPNGNFADAVFR[162]                    |          |         |         |
| Q91X78 | Q91X78 ERLN1_MOUSE  | 1095 DSSLASLLDGVR[162]                        | -0.20230 | 0.61016 | 38.7283 |
|        |                     | Erlin-1 precursor - Mus musculus              |          |         |         |
|        |                     | 1096 ISEIEDAAFLAR                             |          |         |         |
|        |                     | 1097 ISEIEDAAFLAR[162]                        |          |         |         |
|        |                     | 1098 DLNTMAPGLTIQAVR[162]                     |          |         |         |
|        |                     | 1099 DLNTMAPGLTIQAVR                          |          |         |         |
|        |                     | 1100 SVQTTLQTDEVK                             |          |         |         |
|        |                     | 1101 SVQTTLQTDEVK[134]                        |          |         |         |
|        |                     | 1102 LLIAAQK                                  |          |         |         |
|        |                     | 1103 AVIEAEK[134]IAQVAK[134]                  |          |         |         |
|        |                     | 1104 ADAEYYAAHK                               |          |         |         |
|        |                     | 1105 ADAEYYAAHK[134]                          |          |         |         |
|        |                     | 1106 AVIEAEKIAQVAK                            |          |         |         |
|        |                     | 1107 RISEIEDAAFLAR                            |          |         |         |
|        |                     | 1108 NFELMEAEK[134]                           |          |         |         |
|        |                     | 1109 R[162]ISEIEDAAFLAR[162]                  |          |         |         |
|        |                     | 1110 LTPEYLELKK                               |          |         |         |
|        |                     | 1111 NFELMEAEKTK                              |          |         |         |
|        |                     | 1112 YQAIASNSK[134]                           |          |         |         |
|        |                     | 1113 HKLTPEYLELKK                             |          |         |         |
|        |                     | 1114 NFELMEAEK[134]TK[134]                    |          |         |         |
|        |                     | 1115 YQAIASNSK                                |          |         |         |
|        |                     | 1116 TGREDSLPPEEAREPSGESPIQNK                 |          |         |         |
|        |                     | 1117 LTPEYLELK[134]K[134]                     |          |         |         |
|        |                     | 1118 NFELMEAEK                                |          |         |         |
|        |                     | 1119 IPEAIR[162]R[162]                        |          |         |         |

|        |                   |                                                |         |         |         |
|--------|-------------------|------------------------------------------------|---------|---------|---------|
|        |                   | 1120 IPEAIRR                                   |         |         |         |
|        |                   | 1121 LLIAAQK[134]                              |         |         |         |
|        |                   | 1122 RAVIEAEKIAQVAK                            |         |         |         |
|        |                   | 1123 LTPEYLELK                                 |         |         |         |
|        |                   | 1124 HKLTPEYLELK                               |         |         |         |
| P84096 | P84096 RHO_MOUSE  | Rho-related GTP-binding protein RhoG precursor | 0.07074 | 0.86951 | 35.0785 |
|        |                   | 1125 TVNLNLWDTAGQEEYDRLR                       |         |         |         |
|        |                   | 1126 LKEQGQAPITPQQGQALAK                       |         |         |         |
|        |                   | 1127 EYIPTVFDNYSQAQSAVDGR                      |         |         |         |
|        |                   | 1128 EYIPTVFDNYSQAQSAVDGR[162]                 |         |         |         |
|        |                   | 1129 LK[134]EQGQAPITPQQGQALAK[134]             |         |         |         |
|        |                   | 1130 AVLNPPTPIKR                               |         |         |         |
|        |                   | 1131 EQGQAPITPQQGQALAK[134]                    |         |         |         |
| P97300 | P97300 NPTN_MOUSE | Neuroplastin precursor - Mus musculus          | 0.16803 | 0.69639 | 20.9964 |
|        |                   | 1132 IVTSEEVIR[162]                            |         |         |         |
|        |                   | 1133 IVTSEEVIR                                 |         |         |         |
|        |                   | 1134 AEDSGEYHC[174]VYHFVSAPK                   |         |         |         |
|        |                   | 1135 AEDSGEYHC[174]VYHFVSAPK[134]              |         |         |         |
|        |                   | 1136 NGVELTATR                                 |         |         |         |
|        |                   | 1137 AAPDITGHK[134]                            |         |         |         |
|        |                   | 1138 NGVELTATRK                                |         |         |         |
|        |                   | 1139 AAPDITGHK                                 |         |         |         |
|        |                   | 1140 NGVELTATR[162]                            |         |         |         |
|        |                   | 1141 SVGYPHPEWIWR[162]                         |         |         |         |
|        |                   | 1142 SVGYPHPEWIWR                              |         |         |         |
| P63085 | P63085 MK01_MOUSE | Mitogen-activated protein kinase 1 - Mus mus   | 2.09431 | 0.00000 | 30.1676 |
|        |                   | 1143 FDMELDDLPK                                |         |         |         |
|        |                   | 1144 IEVEQALAHPLYEQYYDPSDEPIAEAPFK             |         |         |         |
|        |                   | 1145 VADPDHDHTGFLTEYVATR                       |         |         |         |
|        |                   | 1146 FRHENIIGINDIIR                            |         |         |         |
|        |                   | 1147 GQVFDVGPR                                 |         |         |         |

|        |                   |                                             |          |         |         |
|--------|-------------------|---------------------------------------------|----------|---------|---------|
|        |                   | 1148 NYLLSLPHK                              |          |         |         |
|        |                   | 1149 ALDLLDK                                |          |         |         |
|        |                   | 1150 ELIFEETAR                              |          |         |         |
|        |                   | 1151 LKELIFEETAR                            |          |         |         |
|        |                   | 1152 GQVFDVGPR[162]                         |          |         |         |
|        |                   | 1153 LK[134]ELIFEETAR[162]                  |          |         |         |
| O89001 | O89001 CBPD_MOUSE | Carboxypeptidase D precursor - Mus musculus | -1.34130 | 0.00072 | 5.3014  |
|        |                   | 1154 SPDDAVFQQIALSYSK[134]                  |          |         |         |
|        |                   | 1155 SQEGDSISVVGR[162]                      |          |         |         |
|        |                   | 1156 NPVVTQLVDR[162]                        |          |         |         |
|        |                   | 1157 IVIVPSLNPDGR[162]                      |          |         |         |
|        |                   | 1158 NFGTDPEVTDLVR[162]                     |          |         |         |
|        |                   | 1159 IVIVPSLNPDGR                           |          |         |         |
|        |                   | 1160 GFVLDTDGR[162]                         |          |         |         |
| P05555 | P05555 ITAM_MOUSE | Integrin alpha-M precursor - Mus musculus   | -0.68729 | 0.08325 | 30.4423 |
|        |                   | 1161 YVIGVGNAFNKPQSR                        |          |         |         |
|        |                   | 1162 FFTAMFPFEK[134]                        |          |         |         |
|        |                   | 1163 TLFSLMQYSDEFK                          |          |         |         |
|        |                   | 1164 FFTAMFPFEK                             |          |         |         |
|        |                   | 1165 DSASQNPLTK[134]                        |          |         |         |
|        |                   | 1166 ENFGTWEPHTSIK                          |          |         |         |
|        |                   | 1167 ENFGTWEPHTSIK[134]                     |          |         |         |
|        |                   | 1168 LEATMEFSPK                             |          |         |         |
|        |                   | 1169 LEATMEFSPK[134]                        |          |         |         |
|        |                   | 1170 DSASQNPLTK                             |          |         |         |
|        |                   | 1171 VQSLVLGAPR                             |          |         |         |
|        |                   | 1172 YVIGVGNAFNK[134]PQSR[162]              |          |         |         |
|        |                   | 1173 SFGNLR[162]PVLAMDAQK[162]              |          |         |         |
|        |                   | 1174 VIQHQQYQFNNLGQR                        |          |         |         |
|        |                   | 1175 VIQHQQYQFNNLGQR[162]                   |          |         |         |
|        |                   | 1176 KPWFVKPAESSSSSEGHGALK                  |          |         |         |

1177 SFGNLRPVLAMDAQR  
1178 VQSLVLGAPR[162]  
1179 TQVFGLMQK  
1180 NRVQSLVLGAPR  
1181 TKFQLELPVK  
1182 TK[134]FQLELPVK[134]  
1183 FQLELPVK[134]  
1184 SPPHSNFRDQLER  
1185 NR[162]VQSLVLGAPR[162]  
1186 TQVFGLMQK[134]  
1187 ILVVITDGEK  
1188 FQLELPVK  
1189 TLFSLMQYSDEFR[162]  
1190 YAIYMIVTSESSIR[162]  
1191 IHFTFNDFK[134]R[162]  
1192 IIGAHSFGLQYFGQSLSGGK  
1193 IIGAHSFGLQYFGQSLSGGK[134]  
1194 VDSMNDAYLGYASAVILR  
1195 VDSMNDAYLGYASAVILR[162]  
1196 DMMNEAAPQDAPPQ  
1197 FGAALTVLGDVNGDK  
1198 FGAALTVLGDVNGDK[134]  
1199 FGDPLDYK[134]DVIPEADR[162]  
1200 MKEFVSTVMEQFK  
1201 MKEFVSTVMEQFKK  
1202 NDGEDSYGTQVTVYPSGLSYR  
1203 NDGEDSYGTQVTVYPSGLSYR[162]  
1204 YAIYMIVTSESSIR  
1205 YQHIGLVVMFR  
1206 FGDPLDYKDVIPEADRAGVIR  
1207 FGDPLDYK[134]DVIPEADR[162]AGVIR[162]

|        |                   |                                             |         |         |         |
|--------|-------------------|---------------------------------------------|---------|---------|---------|
|        |                   | 1208 IHFTFNDFKR                             |         |         |         |
|        |                   | 1209 ILVVITDGEK[134]                        |         |         |         |
|        |                   | 1210 FGDPLDYKDVIPEADR                       |         |         |         |
|        |                   | 1211 YQHIGLVVMFR[162]                       |         |         |         |
|        |                   | 1212 IHFTFNDFK[134]                         |         |         |         |
|        |                   | 1213 QYKDMMNEAAPQDAPPQ                      |         |         |         |
|        |                   | 1214 MK[134]EFVSTVMEQFK[134]                |         |         |         |
|        |                   | 1215 KDSASQNPLTK                            |         |         |         |
|        |                   | 1216 IHFTFNDFK                              |         |         |         |
|        |                   | 1217 GNLSFDWYIK                             |         |         |         |
|        |                   | 1218 MK[134]EFVSTVMEQFK[134]K[134]          |         |         |         |
| P12265 | P12265 BGLR_MOUSE | Beta-glucuronidase precursor - Mus musculus | 1.22196 | 0.00455 | 20.9877 |
|        |                   | 1219 AVLENYHSVLDQK[134]                     |         |         |         |
|        |                   | 1220 ALDLTRPVTFVSNK                         |         |         |         |
|        |                   | 1221 ALDLTR[162]PVTFVSNK[134]               |         |         |         |
|        |                   | 1222 VTTTESVTDYYTLPVGIR                     |         |         |         |
|        |                   | 1223 VTTTESVTDYYTLPVGIR[162]                |         |         |         |
|        |                   | 1224 AVLENYHSVLDQK                          |         |         |         |
|        |                   | 1225 ALDGLWHFR                              |         |         |         |
|        |                   | 1226 ALDGLWHFR[162]                         |         |         |         |
|        |                   | 1227 LQGFEQQWYR                             |         |         |         |
|        |                   | 1228 GFDWPLLVK[134]                         |         |         |         |
|        |                   | 1229 ESGPVLDMPVPSSFNDITQEAAALR              |         |         |         |
|        |                   | 1230 LQGFEQQWYR[162]                        |         |         |         |
|        |                   | 1231 MFSEEQK                                |         |         |         |
|        |                   | 1232 MFSEEQK[134]                           |         |         |         |
|        |                   | 1233 WLGANSFR[162]                          |         |         |         |
|        |                   | 1234 WLGANSFR                               |         |         |         |
|        |                   | 1235 GFDWPLLVK                              |         |         |         |
|        |                   | 1236 FLINGKPFYFQGVNK                        |         |         |         |
|        |                   | 1237 TSAFILR                                |         |         |         |

| Q9JKF1 | Q9JKF1 IQGA1_MOUSE | Ras GTPase-activating-like protein IQGAP1 - M | 0.14024 | 0.74468 | 23.2951 |
|--------|--------------------|-----------------------------------------------|---------|---------|---------|
|        |                    | 1238 EEIQSSISGVTAAAYNR                        |         |         |         |
|        |                    | 1239 EEIQSSISGVTAAAYNR[162]                   |         |         |         |
|        |                    | 1240 FALGISAINEAVDSGDVGR                      |         |         |         |
|        |                    | 1241 FALGISAINEAVDSGDVGR[162]                 |         |         |         |
|        |                    | 1242 LAAVAAINAAIQK                            |         |         |         |
|        |                    | 1243 LEGVLAEVAQHYQDTLIR                       |         |         |         |
|        |                    | 1244 ILAIGLINEALDEGDAQK                       |         |         |         |
|        |                    | 1245 ILAIGLINEALDEGDAQK[134]                  |         |         |         |
|        |                    | 1246 NVIFEIGPTEEVGDVEVK                       |         |         |         |
|        |                    | 1247 SNQQLENDLNLMDIK                          |         |         |         |
|        |                    | 1248 SNQQLENDLNLMDIK[134]                     |         |         |         |
|        |                    | 1249 FQPGETLTEILETPATNEQEAHQQR                |         |         |         |
|        |                    | 1250 LEGVLAEVAQHYQDTLIR[162]                  |         |         |         |
|        |                    | 1251 LPYDVTPEQALSHEEVK                        |         |         |         |
|        |                    | 1252 LPYDVTPEQALSHEEVK[134]                   |         |         |         |
|        |                    | 1253 NKITLQDVVSHSK                            |         |         |         |
|        |                    | 1254 FQPGETLTEILETPATNEQEAHQQR[162]           |         |         |         |
|        |                    | 1255 ATFYGEQVDYYK                             |         |         |         |
|        |                    | 1256 VDQIQEIVTGNPTVIK[134]                    |         |         |         |
|        |                    | 1257 TLINAEDPPMIVVR                           |         |         |         |
|        |                    | 1258 ATFYGEQVDYYK[134]                        |         |         |         |
|        |                    | 1259 TLINAEDPPMIVVR[162]                      |         |         |         |
|        |                    | 1260 YGIQMPAFSK[134]                          |         |         |         |
|        |                    | 1261 TLQALQIPAAK[134]                         |         |         |         |
|        |                    | 1262 EQLWLANEGLITK                            |         |         |         |
|        |                    | 1263 GLQTQNSDWYMK                             |         |         |         |
|        |                    | 1264 GVLLEIEDLQANQFK                          |         |         |         |
|        |                    | 1265 LGNFFSPK[134]                            |         |         |         |
|        |                    | 1266 YGIQMPAFSK                               |         |         |         |
|        |                    | 1267 ALESGDMTTVWK[134]                        |         |         |         |

1268 GLQTQNSDWYMK[134]  
 1269 TLQALQIPAAK  
 1270 ITLQDVVSHSK  
 1271 ALESGDMTTVWK  
 1272 LFQTALQEEIK[134]  
 1273 LQQTYSALNSK  
 1274 GVLLEIEDLQANQFK[134]  
 1275 IIGNLLYYR  
 1276 IIGNLLYYR[162]  
 1277 LTELGTVDPK[134]  
 1278 ALQSLALGLR  
 1279 LGNFFSPK  
 1280 ALQSLALGLR[162]  
 1281 LQQTYSALNSK[134]  
 1282 IFYPETTDIYDRK  
 1283 YQELINDIAK[134]  
 1284 LFQTALQEEIK  
 1285 YQELINDIAK  
 1286 EQLWLANEGLITK[134]  
 1287 LIFQMPQNK  
 1288 IFYPETTDIYDR[162]K[134]  
 1289 LIFQMPQNK[134]  
 1290 MVVSFNR  
 1291 KLTELGTVDPK  
 1292 LTELGTVDPK

|        |                   |                                           |          |         |        |
|--------|-------------------|-------------------------------------------|----------|---------|--------|
| P24063 | P24063 ITAL_MOUSE | Integrin alpha-L precursor - Mus musculus | -2.36984 | 0.00000 | 8.0825 |
|--------|-------------------|-------------------------------------------|----------|---------|--------|

1293 YLGMTLATDAAK[134]  
 1294 IQGAQVFPGIR[162]  
 1295 LADVVGAEGR[162]  
 1296 YQHVGQVLLFQAPEAGGR[162]  
 1297 YLGMTLATDAAK

|        |                    |                                                |         |         |         |
|--------|--------------------|------------------------------------------------|---------|---------|---------|
|        |                    | 1298 YQHVGQVLLFQAPEAGGR                        |         |         |         |
|        |                    | 1299 IYAIEGTNR[162]                            |         |         |         |
|        |                    | 1300 TEFTFLDYVK[134]                           |         |         |         |
|        |                    | 1301 SSR[162]PLLAAGAPR[162]                    |         |         |         |
|        |                    | 1302 IQGAQVFPGIR                               |         |         |         |
|        |                    | 1303 TQQVQHVVYQVR[162]                         |         |         |         |
| P20029 | P20029 GRP78_MOUSE | 78 kDa glucose-regulated protein precursor - N | 0.17913 | 0.67743 | 50.8397 |
|        |                    | 1304 TFAPEEISAMVLTK                            |         |         |         |
|        |                    | 1305 KSDIDEIVLVGGSTR                           |         |         |         |
|        |                    | 1306 IINEPTAAAIAYGLDKR                         |         |         |         |
|        |                    | 1307 IINEPTAAAIAYGLDK[134]R[162]               |         |         |         |
|        |                    | 1308 ITPSYVAFTPEGER[162]                       |         |         |         |
|        |                    | 1309 LYSGGGPPPTGEEDTSEKDEL                     |         |         |         |
|        |                    | 1310 LYSGGGPPPTGEEDTSEK[134]DEL                |         |         |         |
|        |                    | 1311 NQLTSNPENTVFDAK                           |         |         |         |
|        |                    | 1312 NQLTSNPENTVFDAK[134]                      |         |         |         |
|        |                    | 1313 SQIFSTASDNQPTVTIK                         |         |         |         |
|        |                    | 1314 SQIFSTASDNQPTVTIK[134]                    |         |         |         |
|        |                    | 1315 TFAPEEISAMVLTK[134]                       |         |         |         |
|        |                    | 1316 IEWLESHQDADIEDFKAK                        |         |         |         |
|        |                    | 1317 VLEDSDLKKSDIDEIVLVGGSTR                   |         |         |         |
|        |                    | 1318 VTHAVVTVPAYFNDAQR[162]                    |         |         |         |
|        |                    | 1319 DAGTIAGLNVMR                              |         |         |         |
|        |                    | 1320 ELEEIVQPIISK[134]                         |         |         |         |
|        |                    | 1321 ITPSYVAFTPEGER                            |         |         |         |
|        |                    | 1322 NQLTSNPENTVFDAKR                          |         |         |         |
|        |                    | 1323 TKPYIQVDIGGGQTK                           |         |         |         |
|        |                    | 1324 ELEEIVQPIISK                              |         |         |         |
|        |                    | 1325 TWNDPSVQQDIK[134]                         |         |         |         |
|        |                    | 1326 KSQIFSTASDNQPTVTIK                        |         |         |         |
|        |                    | 1327 TK[134]PYIQVDIGGGQTK[134]                 |         |         |         |



1328 DAGTIAGLNVMR[162]  
1329 NELESYAYSLK[134]  
1330 VTHAVVTVPAYFNDAQR  
1331 TWNDPSVQQDIK  
1332 NELESYAYSLK  
1333 SDIDEIVLVGGSTR  
1334 VYGERPLTK  
1335 AKFEELNMDLFR  
1336 IDTR[162]NELESYAYSLK[134]  
1337 MKETAEAYLGKK  
1338 MVNDAEKFAEEDKK  
1339 SDIDEIVLVGGSTR[162]  
1340 VYGER[162]PLTK[134]  
1341 IDTRNELESYAYSLK  
1342 KTKPYIQVDIGGGQTK  
1343 ITITNDQNR[162]  
1344 DNHLLGTFDLTGIPPAPR  
1345 AK[134]FEELNMDLFR[162]  
1346 VMEHFIK  
1347 DNHLLGTFDLTGIPPAPR[162]  
1348 KKELEEIVQPIISK  
1349 MKETAEAYLGK  
1350 NQLTSNPENTVFDAK[134]R[162]  
1351 ITITNDQNR  
1352 K[134]SDIDEIVLVGGSTR[162]  
1353 IINEPTAAAIAYGLDK  
1354 KVTHAVVTVPAYFNDAQR  
1355 IEWLESHQDADIEDFK  
1356 K[134]TK[134]PYIQVDIGGGQTK[134]  
1357 IEWLESHQDADIEDFK[134]  
1358 IEWLESHQDADIEDFK[134]AK[134]

1359 MVNDAEKFAEEDK  
 1360 K[134]SQIFSTASDNQPTVTIK[134]  
 1361 K[134]VTHAVVTVPAYFNDAQR[162]  
 1362 FEELNMDLFR  
 1363 FEELNMDLFR[162]  
 1364 MVNDAEK[134]FAEEDK[134]K[134]  
 1365 MK[134]ETAAYLGK[134]  
 1366 NGRVEIANDQGGR  
 1367 VLESDLLK  
 1368 VLESDLK[134]K[134]  
 1369 VMEHFIK[134]  
 1370 K[134]K[134]ELIEIVQPIISK[134]  
 1371 EFFNGK[134]EPSR[162]  
 1372 EFFNGKEPSR  
 1373 VLESDLK  
 1374 IINEPTAAAIAYGLDK[134]  
 1375 ALQATVGNSYK  
 1376 EIYMDSTTDIK  
 1377 EIYMDSTTDIK[134]  
 1378 ALQATVGNSYK[134]  
 1379 EIYMDSTTDIKADINK  
 1380 SHAGYQTI  
 1381 EIYMDSTTDIK[134]ADINK[134]  
 1382 MLNLNVFSVQVQAFK  
 1383 MLNLNVFSVQVQAFK[134]  
 1384 MLNLNVFSVQVQAFKVDSR  
 1385 MLNLNVFSVQVQAFK[134]VDSR[162]  
 1386 ENVSDPSLTITFGR  
 1387 ENVSDPSLTITFGR[162]  
 1388 C[174]NTEEHIFVSK[134]

|        |                    |                                           |          |         |         |
|--------|--------------------|-------------------------------------------|----------|---------|---------|
| P11438 | P11438 LAMP1_MOUSE | Lysosome-associated membrane glycoprotein | -0.38816 | 0.32795 | 19.9507 |
|--------|--------------------|-------------------------------------------|----------|---------|---------|

|        |                    |                                        |          |         |         |
|--------|--------------------|----------------------------------------|----------|---------|---------|
| P18572 | P18572 BASI_MOUSE  | 1389 C[174]NTEEHIFVSK                  | 0.09664  | 0.82243 | 19.5373 |
|        |                    | Basigin precursor - Mus musculus       |          |         |         |
|        |                    | 1390 SEINVEGPPR                        |          |         |         |
|        |                    | 1391 VLQEDTLPDLHTK                     |          |         |         |
|        |                    | 1392 SEINVEGPPR[162]                   |          |         |         |
|        |                    | 1393 VLQEDTLPDLHTK[134]                |          |         |         |
|        |                    | 1394 YVVVSTPEK                         |          |         |         |
|        |                    | 1395 YVVVSTPEK[134]                    |          |         |         |
|        |                    | 1396 YIVDADDR                          |          |         |         |
|        |                    | 1397 YIVDADDR[162]                     |          |         |         |
|        |                    | 1398 RKPQTLDEDDPGAAPLK                 |          |         |         |
|        |                    | 1399 SDASYPPITDWFVK                    |          |         |         |
|        |                    | 1400 GGKVLQEDTLPDLHTK                  |          |         |         |
|        |                    | 1401 SDASYPPITDWFVK[134]               |          |         |         |
|        |                    | 1402 GGK[134]VLQEDTLPDLHTK[134]        |          |         |         |
| O70318 | O70318 E41L2_MOUSE | Band 4.1-like protein 2 - Mus musculus | -0.58281 | 0.14189 | 25      |
|        |                    | 1403 GLSPAQADSQFLENK                   |          |         |         |
|        |                    | 1404 GLSPAQADSQFLENK[134]              |          |         |         |
|        |                    | 1405 EAAVPDAVPDR                       |          |         |         |
|        |                    | 1406 EASTLIDR[162]PAPQFER[162]         |          |         |         |
|        |                    | 1407 EASTLIDRPAPQFER                   |          |         |         |
|        |                    | 1408 TEMVTISDASQR[162]                 |          |         |         |
|        |                    | 1409 EAAVPDAVPDR[162]                  |          |         |         |
|        |                    | 1410 GLSPAQADSQFLENK[134]R[162]        |          |         |         |
|        |                    | 1411 SYNLVVAK[134]                     |          |         |         |
|        |                    | 1412 GLSPAQADSQFLENKR                  |          |         |         |
|        |                    | 1413 EVPIVQTETK[134]                   |          |         |         |
|        |                    | 1414 EVPIVQTETK                        |          |         |         |
|        |                    | 1415 SYNLVVAK                          |          |         |         |
|        |                    | 1416 EVQTSELKAEVASQK                   |          |         |         |
|        |                    | 1417 IVITGDAALDHDQALAQAIR              |          |         |         |

|        |                    |      |                                              |          |         |         |
|--------|--------------------|------|----------------------------------------------|----------|---------|---------|
|        |                    | 1418 | IVITGDAALDHDQALAQAIR[162]                    |          |         |         |
|        |                    | 1419 | VRPAELEQFESTIGFK                             |          |         |         |
|        |                    | 1420 | QAGASVLPVETEAQEHVVAQK                        |          |         |         |
|        |                    | 1421 | QAGASVLPVETEAQEHVVAQK[134]                   |          |         |         |
|        |                    | 1422 | SLDGAPIGVVDQSPPGEGSVPGPGVISYTTIQDGR          |          |         |         |
|        |                    | 1423 | NLPWLFTFNVK                                  |          |         |         |
|        |                    | 1424 | QAGASVLPVETEAQEHVVAQKLPGEK                   |          |         |         |
|        |                    | 1425 | VR[162]PAELEQFESTIGFK[134]                   |          |         |         |
|        |                    | 1426 | NLPWLFTFNVK[134]                             |          |         |         |
|        |                    | 1427 | HLEVQVEVR                                    |          |         |         |
|        |                    | 1428 | TEMTISDASQR                                  |          |         |         |
|        |                    | 1429 | KHLEVQVEVR                                   |          |         |         |
|        |                    | 1430 | FYPDPSQLTEDITR                               |          |         |         |
|        |                    | 1431 | FTLGSK[134]                                  |          |         |         |
|        |                    | 1432 | EQHPDMSVTR                                   |          |         |         |
|        |                    | 1433 | LVSPEQPPK                                    |          |         |         |
| P53986 | P53986 MOT1_MOUSE  |      | Monocarboxylate transporter 1 - Mus muscul   | 0.17283  | 0.68817 | 14.6045 |
|        |                    | 1434 | AAQSPQQHSSGDPTEEEESPV                        |          |         |         |
|        |                    | 1435 | SDANTDLIGGSPK                                |          |         |         |
|        |                    | 1436 | SDANTDLIGGSPK[134]                           |          |         |         |
|        |                    | 1437 | EGKEDEASTDVDEKPK                             |          |         |         |
|        |                    | 1438 | LSVFQTINK                                    |          |         |         |
|        |                    | 1439 | ESLQEAGKSDANTDLIGGSPK                        |          |         |         |
|        |                    | 1440 | LSVFQTINK[134]                               |          |         |         |
|        |                    | 1441 | SKESLQEAGKSDANTDLIGGSPK                      |          |         |         |
|        |                    | 1442 | EGKEDEASTDVDEKPKETMK                         |          |         |         |
| Q6P5E4 | Q6P5E4 UGGG1_MOUSE |      | UDP-glucose:glycoprotein glucosyltransferase | -0.46930 | 0.23691 | 7.9948  |
|        |                    | 1443 | AIWAALQTQASSSAK                              |          |         |         |
|        |                    | 1444 | AIWAALQTQASSSAK[134]                         |          |         |         |
|        |                    | 1445 | LNIQPSETDYAVDIR                              |          |         |         |
|        |                    | 1446 | LNIQPSETDYAVDIR[162]                         |          |         |         |

|        |                   |      |                                         |          |         |        |
|--------|-------------------|------|-----------------------------------------|----------|---------|--------|
|        |                   | 1447 | ISMINNPSQEISDSSTPIFR                    |          |         |        |
|        |                   | 1448 | TAAIANSMNYLTK                           |          |         |        |
|        |                   | 1449 | TAAIANSMNYLTK[134]                      |          |         |        |
|        |                   | 1450 | ILETTTFFQR                              |          |         |        |
|        |                   | 1451 | ILETTTFFQR[162]                         |          |         |        |
|        |                   | 1452 | IVPEWQDYDQEIK[134]                      |          |         |        |
|        |                   | 1453 | VDALLSAQPK                              |          |         |        |
|        |                   | 1454 | VDALLSAQPK[134]                         |          |         |        |
|        |                   | 1455 | ANPGAWILR[162]                          |          |         |        |
|        |                   | 1456 | ANPGAWILR                               |          |         |        |
|        |                   | 1457 | QLLYDAIK                                |          |         |        |
|        |                   | 1458 | QLLYDAIK[134]                           |          |         |        |
|        |                   | 1459 | FLSPLQQNLLK                             |          |         |        |
| Q80TH2 | Q80TH2 LAP2_MOUSE |      | Protein LAP2 - Mus musculus             | -0.06012 | 0.87958 | 6.0628 |
|        |                   | 1460 | LVTNNIFQPEVMER                          |          |         |        |
|        |                   | 1461 | IYDILGDDGPQPPSAAVK                      |          |         |        |
|        |                   | 1462 | MVLTNYMFPQQPR[162]                      |          |         |        |
|        |                   | 1463 | LVTNNIFQPEVMER[162]                     |          |         |        |
|        |                   | 1464 | TMSVSDFNYSR[162]                        |          |         |        |
|        |                   | 1465 | IDENQLMYLPDSIGGLR                       |          |         |        |
|        |                   | 1466 | MVLTNYMFPQQPR                           |          |         |        |
|        |                   | 1467 | LTFIPGFIGSLR[162]                       |          |         |        |
|        |                   | 1468 | LTFIPGFIGSLR                            |          |         |        |
| Q8BL66 | Q8BL66 EEA1_MOUSE |      | Early endosome antigen 1 - Mus musculus | -0.11062 | 0.78040 | 46.988 |
|        |                   | 1469 | AALEQEKESQQLMR                          |          |         |        |
|        |                   | 1470 | AAQLATEIADIK                            |          |         |        |
|        |                   | 1471 | AAQLATEIADIK[134]                       |          |         |        |
|        |                   | 1472 | IQAGEGETAVLNQLQEK                       |          |         |        |
|        |                   | 1473 | IQAGEGETAVLNQLQEK[134]                  |          |         |        |
|        |                   | 1474 | LQQQSSQAAQELAAEK                        |          |         |        |
|        |                   | 1475 | LQQQSSQAAQELAAEK[134]                   |          |         |        |

1476 LTLAQEDLISNR  
1477 VTNSTELQHQLEK  
1478 AALEQEK[134]ESQQLMR[162]  
1479 TELLQRPGIEDVAVLKK  
1480 DALLAELSTTK  
1481 DALLAELSTTK[134]  
1482 KLDNTTAAVQELGR  
1483 LTASESSLQR[162]  
1484 LTLAQEDLISNR[162]  
1485 VSVQLDQLTAK  
1486 VTNSTELQHQLEK[134]  
1487 IQNLEALLQK[134]  
1488 LTASESSLQR  
1489 MQAAVTELTAVK  
1490 SLGSADELFK  
1491 KLEADALEVK  
1492 LR[162]EAQNDLEQVLR[162]  
1493 LSALQSNYEK[134]  
1494 K[134]LEADALEVK[134]  
1495 IQNLEALLQK  
1496 LSALQSNYEK  
1497 LREAQNDLEQVLR  
1498 MQAAVTELTAVK[134]  
1499 IELNSVKGEVSQAQNTLK  
1500 VSQLDIQUIK  
1501 ASKEQALQSLQQQR  
1502 VSQLDIQUIK[134]  
1503 EAQNDLEQVLR  
1504 QIEALQGEVK[134]  
1505 SIQELQAAK[134]  
1506 SLGSADELFK[134]

1507 LQQQSSQAAQELAAEK GK  
1508 EAQNDLEQVLR[162]  
1509 QIEALQGEVK  
1510 LKGSINELTQK  
1511 EKDEQQLQGTINQLK  
1512 SIQELQAAK  
1513 QLSTDLELR  
1514 QLSTDLELR[162]  
1515 ELVQVQTLMDNMTLER  
1516 ELVQVQTLMDNMTLER[162]  
1517 GEVSQAQNTLK  
1518 GEVSQAQNTLK[134]  
1519 GPQEVAVYVQEIQK  
1520 GPQEVAVYVQEIQK[134]  
1521 K[134]LDNTTAAVQELGR[162]  
1522 LTMQVTTLNENLGTVK[134]  
1523 NHALQQQLTQLTEK  
1524 NHALQQQLTQLTEK[134]  
1525 VLSLETSVSELSSQLNESK  
1526 VLSLETSVSELSSQLNESK[134]  
1527 VSVQLDQLTAK[134]  
1528 ADLQNHLDTAQHALQDK  
1529 ADLQNHLDTAQHALQDK[134]  
1530 ASK[134]EQALQSLQQQR[162]  
1531 HLSLEQKVEDLEGHIK  
1532 HYQAVHDAGNDSGHGGEAGLALTR[162]  
1533 KEEENVVLKQEFEK  
1534 KLDNTTAAVQELGRENQSLQIK  
1535 IELNSVK[134]GEVSQAQNTLK[134]  
1536 LQSEHAHLEATINQLR  
1537 LQSEHAHLEATINQLR[162]

1538 LTLAQEDLISNR[162]NQIGNQNK[134]  
1539 LTMQVTTLNENLGTVK[134]K[134]  
1540 QLQSDLYGKESELLATR  
1541 QQELNKVSVQLDQLTAK  
1542 SVEEK[134]LTLAQEDLISNR[162]  
1543 TELLQRPGIEDVAVLK  
1544 VTHLTEDLNK  
1545 VTHLTEDLNKQTTVIQDLK  
1546 VTHLTEDLNK[134]  
1547 VTHLTEDLNK[134]QTTVIQDLK[134]  
1548 EQALQSLQQQR[162]  
1549 LTMQVTTLNENLGTVK  
1550 YQGLQQQEAK[134]  
1551 LDLQNKSEILENIK  
1552 LDLQNK[134]SEILENIK[134]  
1553 LMEKEQQVADLQLK  
1554 LMEK[134]EQQVADLQLK[134]  
1555 LTMQVTTLNENLGTVKK  
1556 EQALQSLQQQR  
1557 ELEKYQGLQQQEAK  
1558 QLQSDLYGK[134]ESELLATR[162]  
1559 QEVQDLQASLKEEK  
1560 VLSLETSSVSELSSQLNESK[134]EK[134]  
1561 AQK[134]DALLAELSTTK[134]  
1562 AKTELLLSAEAAK  
1563 YQGLQQQEAK  
1564 AQKDALLAELSTTK  
1565 TELLLSAEAAK[134]  
1566 LTLAQEDLISNRNQIGNQNK  
1567 QLQSDLYGK  
1568 QKEKDEQQLQGTINQLK



|        |                    |                                 |          |         |         |
|--------|--------------------|---------------------------------|----------|---------|---------|
|        |                    | 1569 VLSLETSVSELSSQLNESKEK      |          |         |         |
|        |                    | 1570 QEVQDLQASLK[134]EEK[134]   |          |         |         |
|        |                    | 1571 ESVSLLEKEREDLYAK           |          |         |         |
|        |                    | 1572 EQQVADLQLK[134]            |          |         |         |
|        |                    | 1573 ELEK[134]YQGLQQQEAKEK[134] |          |         |         |
|        |                    | 1574 TLQASLHQR                  |          |         |         |
|        |                    | 1575 LK[134]GSINELTQK[134]      |          |         |         |
|        |                    | 1576 SEILENIK[134]              |          |         |         |
|        |                    | 1577 DDITLLR[162]               |          |         |         |
|        |                    | 1578 EQQVADLQLK                 |          |         |         |
|        |                    | 1579 DDITLLR                    |          |         |         |
|        |                    | 1580 AK[134]TELLLSAEAAK[134]    |          |         |         |
|        |                    | 1581 QTTVIQDLK[134]             |          |         |         |
|        |                    | 1582 AAVLDLEK[134]              |          |         |         |
|        |                    | 1583 ENQSLQIK[134]              |          |         |         |
|        |                    | 1584 LAEMEEIK                   |          |         |         |
|        |                    | 1585 QTTVIQDLK                  |          |         |         |
| Q9WTI7 | Q9WTI7 MYO1C_MOUSE | Myosin-Ic - Mus musculus        | -0.36509 | 0.35751 | 26.6228 |
|        |                    | 1586 LLQSNPVLEAFGNAK            |          |         |         |
|        |                    | 1587 LLQSNPVLEAFGNAK[134]       |          |         |         |
|        |                    | 1588 VLQSLGSEPIQYAVPVVK[134]    |          |         |         |
|        |                    | 1589 VLQSLGSEPIQYAVPVVK         |          |         |         |
|        |                    | 1590 GEELLSPLNLEQAAYAR          |          |         |         |
|        |                    | 1591 LLGVEGTTLR                 |          |         |         |
|        |                    | 1592 GEELLSPLNLEQAAYAR[162]     |          |         |         |
|        |                    | 1593 LLGVEGTTLR[162]            |          |         |         |
|        |                    | 1594 NVLDTSWPTPPPALR            |          |         |         |
|        |                    | 1595 NVLDTSWPTPPPALR[162]       |          |         |         |
|        |                    | 1596 YLGLMENLR                  |          |         |         |
|        |                    | 1597 GAPVGGHILSYLLEK[134]       |          |         |         |
|        |                    | 1598 LGTEEISPR[162]             |          |         |         |

|        |                   |                                     |         |         |        |
|--------|-------------------|-------------------------------------|---------|---------|--------|
|        |                   | 1599 NPQSYLYLVK[134]                |         |         |        |
|        |                   | 1600 QLLTPSAVVIVEDAK[134]           |         |         |        |
|        |                   | 1601 YLGLMENLR[162]                 |         |         |        |
|        |                   | 1602 QLLTPSAVVIVEDAK                |         |         |        |
|        |                   | 1603 NPQSYLYLVK                     |         |         |        |
|        |                   | 1604 AVASEIFK[134]                  |         |         |        |
|        |                   | 1605 LGTEEISPR                      |         |         |        |
|        |                   | 1606 AVASEIFK                       |         |         |        |
|        |                   | 1607 GAPVGGHILSYLLEK                |         |         |        |
|        |                   | 1608 GDVVLQSDHVIETLTK[134]          |         |         |        |
|        |                   | 1609 IIAKGEELLSPLNLEQAAYAR          |         |         |        |
|        |                   | 1610 TALSADRVNNININQGSITFAGGPGR     |         |         |        |
|        |                   | 1611 NFHVIFYQLLEGGEEETLR            |         |         |        |
|        |                   | 1612 QK[134]GDVVLQSDHVIETLTK[134]   |         |         |        |
|        |                   | 1613 DGIIDFTSGSELLITK               |         |         |        |
|        |                   | 1614 DR[162]LLQSNPVLEAFGNAK[134]    |         |         |        |
|        |                   | 1615 MSLQLVEILR                     |         |         |        |
|        |                   | 1616 QKGDVVLQSDHVIETLTK             |         |         |        |
|        |                   | 1617 GVSFYEVPPHLFAVADTVYR[162]      |         |         |        |
|        |                   | 1618 VLQSLGSEPIQYAVPVVKYDR          |         |         |        |
|        |                   | 1619 NFHVIFYQLLEGGEEETLRR           |         |         |        |
|        |                   | 1620 MSLQLVEILR[162]                |         |         |        |
|        |                   | 1621 NFHVIFYQLLEGGEEETLR[162]R[162] |         |         |        |
|        |                   | 1622 TFTWLVR[162]                   |         |         |        |
|        |                   | 1623 GVSFYEVPPHLFAVADTVYR           |         |         |        |
|        |                   | 1624 KYEAFILQR                      |         |         |        |
|        |                   | 1625 DLQIYSR[162]                   |         |         |        |
|        |                   | 1626 GDVVLQSDHVIETLTK               |         |         |        |
| Q60738 | Q60738 ZNT1_MOUSE | Zinc transporter 1 - Mus musculus   | 0.27063 | 0.52970 | 7.1571 |
|        |                   | 1627 ESALILLQTVPK[134]              |         |         |        |
|        |                   | 1628 ESALILLQTVPK                   |         |         |        |

|        |                     |                                                 |          |         |        |
|--------|---------------------|-------------------------------------------------|----------|---------|--------|
|        |                     | 1629 AEGSLPAVVIEIK                              |          |         |        |
|        |                     | 1630 AGVEAGAPPGR                                |          |         |        |
| P70355 | P70355 P70355_MOUSE | Gag-Pol polyprotein - Mus musculus              | -0.20375 | 0.60760 | 5.248  |
|        |                     | 1631 QLLLAGLQNAGR                               |          |         |        |
|        |                     | 1632 QLLLAGLQNAGR[162]                          |          |         |        |
|        |                     | 1633 GITQGPNEPSAFLER                            |          |         |        |
|        |                     | 1634 VKGITQGPNEPSAFLER                          |          |         |        |
|        |                     | 1635 LLATVVSGQR                                 |          |         |        |
|        |                     | 1636 AELIALTQALK                                |          |         |        |
|        |                     | 1637 LLATVVSGQR[162]                            |          |         |        |
|        |                     | 1638 IASNQSVDVK                                 |          |         |        |
|        |                     | 1639 GITQGPNEPSAFLER[162]                       |          |         |        |
|        |                     | 1640 NNNPSFSEDPGK                               |          |         |        |
|        |                     | 1641 IASNQSVDVK[134]                            |          |         |        |
|        |                     | 1642 IASNQSVDVKK                                |          |         |        |
|        |                     | 1643 NNNPSFSEDPGK[134]                          |          |         |        |
|        |                     | 1644 TLGDLVR[162]                               |          |         |        |
|        |                     | 1645 IASNQSVDVK[134]K[134]                      |          |         |        |
|        |                     | 1646 NHLVLYR                                    |          |         |        |
|        |                     | 1647 VK[134]GITQGPNEPSAFLER[162]                |          |         |        |
|        |                     | 1648 TLGDLVR                                    |          |         |        |
|        |                     | 1649 NHLVLYR[162]                               |          |         |        |
|        |                     | 1650 LLATVVSGQR[162]QDR[162]                    |          |         |        |
|        |                     | 1651 VKGITQGPNEPSAFLER[162]                     |          |         |        |
|        |                     | 1652 LLATVVSGQRQDR                              |          |         |        |
| A2A790 | A2A790 A2A790_MOUSE | Likely ortholog of H. sapiens polycystic kidney | 0.67225  | 0.11850 | 5.7252 |
|        |                     | 1653 IAGNVVVTLPSTAELDGSR                        |          |         |        |
|        |                     | 1654 MLFFVQNDPPHQLFK                            |          |         |        |
|        |                     | 1655 MLFFVQNDPPHQLFK[134]                       |          |         |        |
|        |                     | 1656 ILDATDQESLELKPTSR                          |          |         |        |
|        |                     | 1657 SVQITLPK                                   |          |         |        |

|        |                     |                                                  |          |         |         |
|--------|---------------------|--------------------------------------------------|----------|---------|---------|
| P23116 | P23116 EIF3A_MOUSE  | Eukaryotic translation initiation factor 3 subun | 0.07034  | 0.87026 | 2.1577  |
|        |                     | 1658 LTVLPFVDAFQLER[162]                         |          |         |         |
|        |                     | 1659 VLLATLSIPITPER                              |          |         |         |
|        |                     | 1660 LTVLPFVDAFQLER                              |          |         |         |
|        |                     | 1661 VLLATLSIPITPER[162]                         |          |         |         |
| Q00651 | Q00651 ITA4_MOUSE   | Integrin alpha-4 precursor - Mus musculus        | 0.72766  | 0.09107 | 6.256   |
|        |                     | 1662 SPHTTEVVGGAPQHEQIGK                         |          |         |         |
|        |                     | 1663 GIAGTLTDIVK                                 |          |         |         |
|        |                     | 1664 NTEEFPLQPIQQK                               |          |         |         |
|        |                     | 1665 VDGISTYSQR                                  |          |         |         |
|        |                     | 1666 NTEEFPLQPIQQK[134]                          |          |         |         |
|        |                     | 1667 TYLAVGSMK                                   |          |         |         |
| Q3TBT0 | Q3TBT0 Q3TBT0_MOUSE | NOD-derived CD11c +ve dendritic cells cDNA, I    | -0.02482 | 0.95012 | 1.8797  |
|        |                     | 1668 EGDISTVTYDLALDPGR                           |          |         |         |
|        |                     | 1669 EGDISTVTYDLALDPGR[162]                      |          |         |         |
|        |                     | 1670 LREGDISTVTYDLALDPGR                         |          |         |         |
| Q3TD86 | Q3TD86 Q3TD86_MOUSE | NOD-derived CD11c +ve dendritic cells cDNA, I    | -0.71209 | 0.07271 | 1.9948  |
|        |                     | 1671 GFGQSVVQLGGTSVVVAAPQEAK                     |          |         |         |
|        |                     | 1672 GFGQSVVQLGGTSVVVAAPQEAK[134]                |          |         |         |
| Q3UH76 | Q3UH76 Q3UH76_MOUSE | 14 days pregnant adult female placenta cDNA,     | -0.80287 | 0.04303 | 17.8067 |
|        |                     | 1673 DGLVATAVLHR                                 |          |         |         |
|        |                     | 1674 DGLVATAVLHR[162]                            |          |         |         |
|        |                     | 1675 VYLAPDGTSAEYGSIPVDINKK                      |          |         |         |
|        |                     | 1676 VATVGLVTSTR[162]PDGER[162]                  |          |         |         |
|        |                     | 1677 VATVGLVTSTRPDGER                            |          |         |         |
|        |                     | 1678 SFVASNDER[162]                              |          |         |         |
|        |                     | 1679 VYLAPDGTSAEYGSIPVDINK                       |          |         |         |
|        |                     | 1680 VYLAPDGTSAEYGSIPVDINK[134]                  |          |         |         |
|        |                     | 1681 AEETGHWLWSR                                 |          |         |         |
|        |                     | 1682 LGHSPPHVQFTYQQPQLSVEPR                      |          |         |         |
|        |                     | 1683 AEETGHWLWSR[162]                            |          |         |         |

1684 VYLAPDG TSAEYGSIPVDINK[134]K[134]  
1685 EAFEAYS DHTTFK  
1686 EAFEAYS DHTTFK[134]  
1687 FAMVVIAEPLR[162]  
1688 FAMVVIAEPLR  
1689 ALYAVFSR  
1690 SFVASNDER  
1691 LFYEDGSGEK[134]  
1692 ALYAVFSR[162]  
1693 EASPNPEEGIIR  
1694 LFYEDGSGEK  
1695 EASPNPEEGIIR[162]  
1696 VGVSQPEDSQDLPGER  
1697 YYDEIINALEEDPAAQK  
1698 AITEIYLTR[162]  
1699 LQQIAAALENK[134]  
1700 LQQIAAALENKVTDL  
1701 VGVSQPEDSQDLPGER[162]  
1702 YFFDFLDEQAEK[134]  
1703 YYDEIINALEEDPAAQK[134]  
1704 QMVQVSDQDMNTHLAEISR[162]  
1705 QMVQVSDQDMNTHLAEISR  
1706 LQQIAAALENK  
1707 YFFDFLDEQAEK  
1708 DTAHNLPEFIVK[134]  
1709 INTLMHYNVR[162]  
1710 AITEIYLTR  
1711 SQLEGLEESVR  
1712 DTAHNLPEFIVK  
1713 SQLEGLEESVR[162]  
1714 DGATLILSK

|        |                     |                                                |          |         |         |
|--------|---------------------|------------------------------------------------|----------|---------|---------|
|        |                     | 1715 LQQIAAALENK[134]VTDL                      |          |         |         |
|        |                     | 1716 INTLMHYNVR                                |          |         |         |
|        |                     | 1717 DGATLILSK[134]                            |          |         |         |
|        |                     | 1718 VFFLPSKDGDKDVMITGK                        |          |         |         |
|        |                     | 1719 VFFLPSK[134]                              |          |         |         |
|        |                     | 1720 MVEDYYK[134]                              |          |         |         |
|        |                     | 1721 VFFLPSK                                   |          |         |         |
|        |                     | 1722 MQLAFR                                    |          |         |         |
|        |                     | 1723 VFFLPSK[134]DGDK[134]DVMITGK[134]         |          |         |         |
|        |                     | 1724 TLTETDLYC[174]EPPEVQPPPK                  |          |         |         |
|        |                     | 1725 TLTETDLYC[174]EPPEVQPPPK[134]             |          |         |         |
| Q80UE4 | Q80UE4 Q80UE4_MOUSE | Protein 4.1G - Mus musculus                    | -0.53006 | 0.18159 | 1.5113  |
|        |                     | 1726 SSHETLNVVEEK                              |          |         |         |
|        |                     | 1727 SSHETLNVVEEK[134]                         |          |         |         |
| Q8BTY2 | Q8BTY2 S4A7_MOUSE   | Sodium bicarbonate cotransporter 3 - Mus mu    | 0.56014  | 0.19335 | 2.5145  |
|        |                     | 1728 SIATLMTDEIFHDVAYK                         |          |         |         |
|        |                     | 1729 SIATLMTDEIFHDVAYK[134]                    |          |         |         |
|        |                     | 1730 GSLLQIPVK                                 |          |         |         |
| Q9Z2H5 | Q9Z2H5 E41L1_MOUSE  | Band 4.1-like protein 1 - Mus musculus         | -0.57736 | 0.14565 | 1.934   |
|        |                     | 1731 LSMYGVDLHHAK                              |          |         |         |
|        |                     | 1732 LSMYGVDLHHAK[134]                         |          |         |         |
|        |                     | 1733 FAWPK[134]                                |          |         |         |
| Q61543 | Q61543 GSLG1_MOUSE  | Golgi apparatus protein 1 precursor - Mus mu:  | 0.27080  | 0.52945 | 2.8936  |
|        |                     | 1734 VAEISSDDFHLDR                             |          |         |         |
|        |                     | 1735 LLELQYFISR                                |          |         |         |
|        |                     | 1736 IIIQESALDYR[162]                          |          |         |         |
|        |                     | 1737 IIIQESALDYR                               |          |         |         |
|        |                     | 1738 LLELQYFISR[162]                           |          |         |         |
|        |                     | 1739 VAEISSDDFHLDR[162]                        |          |         |         |
| Q3TYT8 | Q3TYT8 Q3TYT8_MOUSE | Adult inner ear cDNA, RIKEN full-length enrich | -0.37838 | 0.34028 | 13.6119 |
|        |                     | 1740 NLISNLQQSVDDTSLAIQR                       |          |         |         |

|        |                    |                                              |          |         |         |
|--------|--------------------|----------------------------------------------|----------|---------|---------|
|        |                    | 1741 TLTSNLNDVR[162]                         |          |         |         |
|        |                    | 1742 ALSTNSELSTFR[162]                       |          |         |         |
|        |                    | 1743 ALSTNSELSTFR                            |          |         |         |
|        |                    | 1744 TLTSNLNDVR                              |          |         |         |
|        |                    | 1745 SDILDLR[162]                            |          |         |         |
|        |                    | 1746 QQLQEITEK[134]                          |          |         |         |
|        |                    | 1747 QQLQEITEK                               |          |         |         |
|        |                    | 1748 SDILDLR                                 |          |         |         |
|        |                    | 1749 IKNDFQNLQQVFLQAK                        |          |         |         |
|        |                    | 1750 IK[134]NDFQNLQQVFLQAK[134]              |          |         |         |
|        |                    | 1751 NLISNLQQSVDDTSLAIQR[162]                |          |         |         |
|        |                    | 1752 LTAVESDLK[134]K[134]                    |          |         |         |
|        |                    | 1753 LQANGDSLVD                              |          |         |         |
|        |                    | 1754 FSQLEER                                 |          |         |         |
|        |                    | 1755 LTAVESDLKK                              |          |         |         |
|        |                    | 1756 NDFQNLQQVFLQAK                          |          |         |         |
|        |                    | 1757 FSQLEER[162]                            |          |         |         |
| Q99P91 | Q99P91 GPNMB_MOUSE | Transmembrane glycoprotein NMB precursor     | -0.24737 | 0.53301 | 12.3693 |
|        |                    | 1758 VKDVYVITDQIPVFTMSQK                     |          |         |         |
|        |                    | 1759 GLSVLLSHAK                              |          |         |         |
|        |                    | 1760 GKGLSVLLSHAK                            |          |         |         |
|        |                    | 1761 AYIPISK                                 |          |         |         |
|        |                    | 1762 VK[134]DVYVITDQIPVFTMSQK[134]           |          |         |         |
|        |                    | 1763 DVLGHEQYPNHMR                           |          |         |         |
|        |                    | 1764 GLSVLLSHAK[134]                         |          |         |         |
|        |                    | 1765 FRDVLGHEQYPNHMR                         |          |         |         |
|        |                    | 1766 DVYVITDQIPVFTMSQK                       |          |         |         |
|        |                    | 1767 DVYVITDQIPVFTMSQK[134]                  |          |         |         |
|        |                    | 1768 KWSFVYVFHTLGQYFQK                       |          |         |         |
|        |                    | 1769 AYIPISK[134]                            |          |         |         |
| Q9JIS8 | Q9JIS8 S12A4_MOUSE | Solute carrier family 12 member 4 - Mus musc | -0.20075 | 0.61290 | 2.5806  |

|        |                     |                                                 |          |         |         |
|--------|---------------------|-------------------------------------------------|----------|---------|---------|
|        |                     | 1770 LLTFASQLK                                  |          |         |         |
|        |                     | 1771 DNIIPFLR                                   |          |         |         |
|        |                     | 1772 LVLLNMPGPPK                                |          |         |         |
|        |                     | 1773 DNIIPFLR[162]                              |          |         |         |
| P97333 | P97333 NRP1_MOUSE   | Neuropilin-1 precursor - Mus musculus           | 1.38232  | 0.00133 | 14.9512 |
|        |                     | 1774 IAPSPVVSSGPFLFIK                           |          |         |         |
|        |                     | 1775 TGPIQDHTGDGNFIYSQADENQK                    |          |         |         |
|        |                     | 1776 FVTAVGTQGAISK                              |          |         |         |
|        |                     | 1777 NLSALENYNFELVDGVK                          |          |         |         |
|        |                     | 1778 SFEGNNNYDTPELR                             |          |         |         |
|        |                     | 1779 SSSGVLSMVFYTDSAIAK                         |          |         |         |
|        |                     | 1780 AIIFQGNTNPTDVVLGVFSKPLITR                  |          |         |         |
|        |                     | 1781 FVTAVGTQGAISK[134]                         |          |         |         |
|        |                     | 1782 LYQVIFEGEIGK                               |          |         |         |
|        |                     | 1783 IAPSPVVSSGPFLFIK[134]                      |          |         |         |
| O88384 | O88384 VTI1B_MOUSE  | Vesicle transport through interaction with t-SN | 0.26505  | 0.53823 | 35.3448 |
|        |                     | 1784 ALLLQGTESLNR[162]                          |          |         |         |
|        |                     | 1785 ALLLQGTESLNR                               |          |         |         |
|        |                     | 1786 GLLLEDLQGVPER                              |          |         |         |
|        |                     | 1787 GLLLEDLQGVPER[162]                         |          |         |         |
|        |                     | 1788 YAPLTFR                                    |          |         |         |
|        |                     | 1789 IATETDQIGTEIIIEELGEQR                      |          |         |         |
|        |                     | 1790 LVNTNENLSK                                 |          |         |         |
|        |                     | 1791 LLGTAGTEEK[134]                            |          |         |         |
|        |                     | 1792 LLGTAGTEEK                                 |          |         |         |
|        |                     | 1793 STPLTAAPGGR                                |          |         |         |
|        |                     | 1794 LVNTNENLSK[134]                            |          |         |         |
|        |                     | 1795 STPLTAAPGGR[162]                           |          |         |         |
| A0PJB3 | A0PJB3 A0PJB3_MOUSE | Niban protein (Fragment) - Mus musculus         | -0.02486 | 0.95004 | 15.3348 |
|        |                     | 1796 VLTSEEEYSLLSDK                             |          |         |         |
|        |                     | 1797 VLTSEEEYSLLSDK[134]                        |          |         |         |



|        |                   |                                           |          |         |        |
|--------|-------------------|-------------------------------------------|----------|---------|--------|
|        |                   | 1798 LVMEELLPTLQTDLLPK                    |          |         |        |
|        |                   | 1799 NDFAVESYESK[134]                     |          |         |        |
|        |                   | 1800 SDMDQIVTSK[134]                      |          |         |        |
|        |                   | 1801 AFPVYLWQPYLR[162]                    |          |         |        |
|        |                   | 1802 LVMEELLPTLQTDLLPK[134]               |          |         |        |
|        |                   | 1803 NDFAVESYESK                          |          |         |        |
|        |                   | 1804 AFPVYLWQPYLR                         |          |         |        |
|        |                   | 1805 NSQPFVLLPK                           |          |         |        |
|        |                   | 1806 VITEAAILKK                           |          |         |        |
|        |                   | 1807 NSQPFVLLPK[134]                      |          |         |        |
|        |                   | 1808 DLTSQFLK[134]                        |          |         |        |
|        |                   | 1809 SDMDQIVTSK                           |          |         |        |
|        |                   | 1810 DLTSQFLK                             |          |         |        |
|        |                   | 1811 VSAILPGAPDNELPSNEVFQEPEEK            |          |         |        |
|        |                   | 1812 QYDYDSSTIR                           |          |         |        |
|        |                   | 1813 QYDYDSSTIR[162]                      |          |         |        |
|        |                   | 1814 VITEAAILK[134]                       |          |         |        |
|        |                   | 1815 VITEAAILK                            |          |         |        |
|        |                   | 1816 NFSPYYSR                             |          |         |        |
| P11688 | P11688 ITA5_MOUSE | 1817 LLDLQSR[162]                         |          |         |        |
|        |                   | Integrin alpha-5 precursor - Mus musculus | -0.54003 | 0.17351 | 11.396 |
|        |                   | 1818 VTAPLEAEYSGLVR                       |          |         |        |
|        |                   | 1819 VTAPLEAEYSGLVR[162]                  |          |         |        |
|        |                   | 1820 ILESSLYSAKGEEPVEYK                   |          |         |        |
|        |                   | 1821 TPDDFGSALR[162]                      |          |         |        |
|        |                   | 1822 SLQWFGATVR                           |          |         |        |
|        |                   | 1823 TPDDFGSALR                           |          |         |        |
|        |                   | 1824 DGVSVLVGAPK                          |          |         |        |
|        |                   | 1825 SLQWFGATVR[162]                      |          |         |        |
|        |                   | 1826 DGVSVLVGAPK[134]                     |          |         |        |
|        |                   | 1827 FTVPHLQDTK                           |          |         |        |

|        |                     |      |                                                  |          |         |        |
|--------|---------------------|------|--------------------------------------------------|----------|---------|--------|
|        |                     | 1828 | FTVPHLQDTKK                                      |          |         |        |
|        |                     | 1829 | AGTSLWGGLR[162]                                  |          |         |        |
|        |                     | 1830 | ILESSLYSAK                                       |          |         |        |
|        |                     | 1831 | AGTSLWGGLR                                       |          |         |        |
|        |                     | 1832 | DLDGNGYPDLIVGSFGVDK                              |          |         |        |
|        |                     | 1833 | FTVPHLQDTK[134]                                  |          |         |        |
|        |                     | 1834 | ILESSLYSAK[134]GEEPVEYK[134]                     |          |         |        |
|        |                     | 1835 | ILESSLYSAK[134]                                  |          |         |        |
|        |                     | 1836 | DLDGNGYPDLIVGSFGVDK[134]                         |          |         |        |
|        |                     | 1837 | APMDSHGLRPVLHYQSK                                |          |         |        |
|        |                     | 1838 | FTVPHLQDTK[134]K[134]                            |          |         |        |
| P18052 | P18052 PTPRA_MOUSE  |      | Receptor-type tyrosine-protein phosphatase a     | -0.15480 | 0.69644 | 7.9614 |
|        |                     | 1839 | AEGILDVFQTVK                                     |          |         |        |
|        |                     | 1840 | GMINIIAAVQK                                      |          |         |        |
|        |                     | 1841 | TEDVEPQSVPLLAR                                   |          |         |        |
|        |                     | 1842 | VLQIIPYEFNR                                      |          |         |        |
|        |                     | 1843 | VLQIIPYEFNR[162]                                 |          |         |        |
|        |                     | 1844 | AEGILDVFQTVK[134]                                |          |         |        |
|        |                     | 1845 | TEDVEPQSVPLLAR[162]                              |          |         |        |
|        |                     | 1846 | VKAEGILDVFQTVK                                   |          |         |        |
|        |                     | 1847 | GMINIIAAVQK[134]                                 |          |         |        |
|        |                     | 1848 | VVQEYIDAFSDYANFK                                 |          |         |        |
| Q3TD68 | Q3TD68 Q3TD68_MOUSE |      | NOD-derived CD11c +ve dendritic cells cDNA, l    | -0.06922 | 0.86152 | 2.4838 |
|        |                     | 1849 | EAQPLEAEAPGVDLGILPEGR                            |          |         |        |
|        |                     | 1850 | EKEAQPLEAEAPGVDLGILPEGR                          |          |         |        |
|        |                     | 1851 | EAQPLEAEAPGVDLGILPEGR[162]                       |          |         |        |
|        |                     | 1852 | EK[134]EAQPLEAEAPGVDLGILPEGR[162]                |          |         |        |
| Q3UT74 | Q3UT74 Q3UT74_MOUSE |      | 2 cells egg cDNA, RIKEN full-length enriched lit | 1.66549  | 0.00011 | 8.3857 |
|        |                     | 1853 | LSPGGAEMFQVQDMVVSQEK                             |          |         |        |
|        |                     | 1854 | DSSSVIQFMAR                                      |          |         |        |
|        |                     | 1855 | LLLSSVDEK                                        |          |         |        |

|        |                    |                                        |         |         |         |
|--------|--------------------|----------------------------------------|---------|---------|---------|
| Q8VD58 | Q8VD58 EVI2B_MOUSE | EVI2B protein precursor - Mus musculus | 0.53000 | 0.21841 | 9.009   |
|        |                    | 1856 ASVVSLMTWKPSK                     |         |         |         |
|        |                    | 1857 ASVVSLMTWK[134]PSK[134]           |         |         |         |
|        |                    | 1858 STLLADDLEVK                       |         |         |         |
|        |                    | 1859 STLLADDLEVK[134]                  |         |         |         |
|        |                    | 1860 LFESSEHINDTSNLK[134]              |         |         |         |
|        |                    | 1861 LFESSEHINDTSNLK                   |         |         |         |
|        |                    | 1862 RASVVSLMTWKPSK                    |         |         |         |
| Q9JL26 | Q9JL26 FMNL_MOUSE  | Formin-like protein 1 - Mus musculus   | 0.08230 | 0.84843 | 21.4808 |
|        |                    | 1863 AGSVSLDSVLGDVR                    |         |         |         |
|        |                    | 1864 LQSLDALLEMK                       |         |         |         |
|        |                    | 1865 VLQELDMNDFEEHFK                   |         |         |         |
|        |                    | 1866 AGSVSLDSVLGDVR[162]               |         |         |         |
|        |                    | 1867 FSESTPMGTSR[162]                  |         |         |         |
|        |                    | 1868 SK[134]PLDQSVEDLSK[134]           |         |         |         |
|        |                    | 1869 TAQEAYESVVEYFGENPK                |         |         |         |
|        |                    | 1870 GPGDVVSIEILPGAAATPSGDDAQAPR       |         |         |         |
|        |                    | 1871 SKPLDQSVEDLSK                     |         |         |         |
|        |                    | 1872 RQQMDLISELKR                      |         |         |         |
|        |                    | 1873 VASDWMSNLGFK                      |         |         |         |
|        |                    | 1874 FSESTPMGTSR                       |         |         |         |
|        |                    | 1875 QPMPAAGELEER[162]                 |         |         |         |
|        |                    | 1876 LQSLDALLEMK[134]                  |         |         |         |
|        |                    | 1877 SYLDTGGVSR[162]                   |         |         |         |
|        |                    | 1878 SYLDTGGVSR                        |         |         |         |
|        |                    | 1879 NPPAAYIQK                         |         |         |         |
|        |                    | 1880 RPPGPPLPVTDLAL                    |         |         |         |
|        |                    | 1881 RQQMDLISELK                       |         |         |         |
|        |                    | 1882 KVASDWMSNLGFK                     |         |         |         |
|        |                    | 1883 NPPAAYIQK[134]                    |         |         |         |
|        |                    | 1884 FLPTDYER[162]                     |         |         |         |

|        |                   |                                               |          |         |         |
|--------|-------------------|-----------------------------------------------|----------|---------|---------|
|        |                   | 1885 R[162]QQMDLISELK[134]                    |          |         |         |
|        |                   | 1886 RRPPGPPLPVTTDLAL                         |          |         |         |
|        |                   | 1887 R[162]PPGPPLPVTTDLAL                     |          |         |         |
|        |                   | 1888 LKSYLDTGGVSR                             |          |         |         |
|        |                   | 1889 TILIEANR[162]                            |          |         |         |
|        |                   | 1890 TILIEANR                                 |          |         |         |
|        |                   | 1891 R[162]R[162]PPGPPLPVTTDLAL               |          |         |         |
|        |                   | 1892 VLQELDMNDFEEHFK[134]                     |          |         |         |
|        |                   | 1893 TAQEAYESVVEYFGENPK[134]                  |          |         |         |
|        |                   | 1894 ILRGPGDVVSIEILPGAAATPSGDDAQAPR           |          |         |         |
|        |                   | 1895 ILR[162]GPGDVVSIEILPGAAATPSGDDAQAPR[162] |          |         |         |
|        |                   | 1896 NAVLEHMEELQEQVATLTER                     |          |         |         |
|        |                   | 1897 TTSPSMFFSLFSR[162]                       |          |         |         |
|        |                   | 1898 NAVLEHMEELQEQVATLTER[162]                |          |         |         |
|        |                   | 1899 TTSPSMFFSLFSR                            |          |         |         |
| P57716 | P57716 NICA_MOUSE | Nicestrin precursor - Mus musculus            | -0.38507 | 0.33182 | 21.3277 |
|        |                   | 1900 ALANVATVLAR[162]                         |          |         |         |
|        |                   | 1901 ALANVATVLAR                              |          |         |         |
|        |                   | 1902 NQVEDLLATLEK[134]                        |          |         |         |
|        |                   | 1903 SGAGVPEVVLRL[162]                        |          |         |         |
|        |                   | 1904 SGAGVPEVVLRL                             |          |         |         |
|        |                   | 1905 LENIDSFVELGQVALR                         |          |         |         |
|        |                   | 1906 LENIDSFVELGQVALR[162]                    |          |         |         |
|        |                   | 1907 NQVEDLLATLEK                             |          |         |         |
|        |                   | 1908 WVLTGPNPPYMLLEGK[134]                    |          |         |         |
|        |                   | 1909 WVLTGPNPPYMLLEGK                         |          |         |         |
|        |                   | 1910 ADVLFVAPR[162]                           |          |         |         |
|        |                   | 1911 LAQSQALPPSSLQR[162]                      |          |         |         |
|        |                   | 1912 ADVLFVAPR                                |          |         |         |
|        |                   | 1913 SGAGVPEVVLRL[162]R[162]                  |          |         |         |
|        |                   | 1914 LAQSQALPPSSLQR                           |          |         |         |

|        |                    |                                             |          |         |         |
|--------|--------------------|---------------------------------------------|----------|---------|---------|
|        |                    | 1915 APDVTTLR                               |          |         |         |
|        |                    | 1916 APDVTTLR[162]                          |          |         |         |
|        |                    | 1917 SGAGVPEVLR                             |          |         |         |
|        |                    | 1918 MVYDMENGK[134]FPVR[162]                |          |         |         |
|        |                    | 1919 ADVLFVAPREPGAVSY                       |          |         |         |
|        |                    | 1920 VVVAATR                                |          |         |         |
|        |                    | 1921 R[162]LAQSQUALPPSSLQR[162]             |          |         |         |
|        |                    | 1922 ALSPAFELSQWSSTEYSTWAESR                |          |         |         |
|        |                    | 1923 ALSPAFELSQWSSTEYSTWAESR[162]           |          |         |         |
|        |                    | 1924 MVYDMENGKFPVR                          |          |         |         |
|        |                    | 1925 RLAQSQUALPPSSLQR                       |          |         |         |
| O89103 | O89103 C1QR1_MOUSE | Complement component C1q receptor precursor | 0.56766  | 0.18744 | 10.0932 |
|        |                    | 1926 HVQQALTQLLK                            |          |         |         |
|        |                    | 1927 HVQQALTQLLK[134]                       |          |         |         |
|        |                    | 1928 FWIGLQR                                |          |         |         |
|        |                    | 1929 KPQNAADSYWVPER                         |          |         |         |
|        |                    | 1930 K[134]PQNAADSYWVPER[162]               |          |         |         |
|        |                    | 1931 GFSWVGGGEDTAYSNWYK                     |          |         |         |
|        |                    | 1932 GTVFSELPARPPQK                         |          |         |         |
| A2APV2 | A2APV2 FMNL2_MOUSE | Formin-like protein 2 - Mus musculus        | -0.28926 | 0.46600 | 6.9061  |
|        |                    | 1933 AAASLENVLLDVK[134]                     |          |         |         |
|        |                    | 1934 AAASLENVLLDVK                          |          |         |         |
|        |                    | 1935 IAQDAFDDVVK[134]                       |          |         |         |
|        |                    | 1936 IAQDAFDDVVK                            |          |         |         |
|        |                    | 1937 LQSLDLLDTK[134]                        |          |         |         |
|        |                    | 1938 LQSLDLLDTK                             |          |         |         |
|        |                    | 1939 TTPPSVFFPVFVR[162]                     |          |         |         |
|        |                    | 1940 TTPPSVFFPVFVR                          |          |         |         |
|        |                    | 1941 VQUESTQVLR                             |          |         |         |
|        |                    | 1942 VQUESTQVLR[162]                        |          |         |         |
|        |                    | 1943 QQQELIAELR[162]                        |          |         |         |

|        |                   |                                                |                                                |          |         |         |
|--------|-------------------|------------------------------------------------|------------------------------------------------|----------|---------|---------|
| P09055 | P09055 ITB1_MOUSE | 1944 NLAITLR                                   | Integrin beta-1 precursor - Mus musculus       | -0.29273 | 0.46067 | 18.5464 |
|        |                   | 1945 SLGTDLMNEMR[162]                          |                                                |          |         |         |
|        |                   | 1946 LR[162]PEDITQIQPQQLLK[134]                |                                                |          |         |         |
|        |                   | 1947 WDTGENPIYK                                |                                                |          |         |         |
|        |                   | 1948 WDTGENPIYK[134]                           |                                                |          |         |         |
|        |                   | 1949 SLGTDLMNEMR                               |                                                |          |         |         |
|        |                   | 1950 LRPEDITQIQPQQLLK                          |                                                |          |         |         |
|        |                   | 1951 IGFGSFVEK                                 |                                                |          |         |         |
|        |                   | 1952 LSENNIQTIFAVTEEFQPVYK[134]                |                                                |          |         |         |
|        |                   | 1953 LSENNIQTIFAVTEEFQPVYK                     |                                                |          |         |         |
|        |                   | 1954 NVLSLTDARGEFFNELVGQQR                     |                                                |          |         |         |
|        |                   | 1955 NVLSLTD[162]GEFFNELVGQQR[162]             |                                                |          |         |         |
|        |                   | 1956 SAVTTVVNPK[134]                           |                                                |          |         |         |
|        |                   | 1957 IGFGSFVEK[134]                            |                                                |          |         |         |
|        |                   | 1958 TVMPYISTTPAK[134]                         |                                                |          |         |         |
|        |                   | 1959 LPDGVNTINYK[134]                          |                                                |          |         |         |
|        |                   | 1960 SAVTTVVNPK                                |                                                |          |         |         |
|        |                   | 1961 LPDGVNTINYK                               |                                                |          |         |         |
|        |                   | 1962 SGEPQKFTLK                                |                                                |          |         |         |
|        |                   | 1963 SGEPQK[134]FTLK[134]                      |                                                |          |         |         |
|        |                   | 1964 GEFFNELVGQQR[162]                         |                                                |          |         |         |
|        |                   | 1965 SLGTDLMNEMRR                              |                                                |          |         |         |
|        |                   | 1966 TVMPYISTTPAK                              |                                                |          |         |         |
|        |                   | 1967 LLVFSTDAGFHFAGDGK                         |                                                |          |         |         |
|        |                   | 1968 LLVFSTDAGFHFAGDGK[134]                    |                                                |          |         |         |
|        |                   | 1969 LR[162]PEDITQIQPQQLLK                     |                                                |          |         |         |
| P35951 | P35951 LDLR_MOUSE | Low-density lipoprotein receptor precursor - N | Low-density lipoprotein receptor precursor - N | 0.81776  | 0.05757 | 18.4028 |
|        |                   | 1970 NVVALDTEVTNNR                             |                                                |          |         |         |
|        |                   | 1971 LAHPFSLAIYEDK                             |                                                |          |         |         |
|        |                   | 1972 SEYTSLLPNLK                               |                                                |          |         |         |

|        |                    |                                                |          |         |         |
|--------|--------------------|------------------------------------------------|----------|---------|---------|
|        |                    | 1973 NIYWTDSPGSGSVADTK                         |          |         |         |
|        |                    | 1974 NIYWTDSPGSGSVADTK[134]                    |          |         |         |
|        |                    | 1975 VYWTDVINEAIFSANR                          |          |         |         |
|        |                    | 1976 LTGSDVNLVAENLLSPEDIVLFHK                  |          |         |         |
|        |                    | 1977 AVGSIGYLLFTNR[162]                        |          |         |         |
|        |                    | 1978 NVVALDTEVTNNR[162]                        |          |         |         |
|        |                    | 1979 AVGSIGYLLFTNR                             |          |         |         |
|        |                    | 1980 SQDGYTYPGR                                |          |         |         |
|        |                    | 1981 AIVVDPVHGFMYWTDWGTPAK                     |          |         |         |
|        |                    | 1982 SEYTSLLPNLK[134]                          |          |         |         |
|        |                    | 1983 IYWSDLSQK                                 |          |         |         |
|        |                    | 1984 TLFQEAGSRPR                               |          |         |         |
| Q61595 | Q61595 KTN1_MOUSE  | Kinectin - Mus musculus                        | -0.17440 | 0.66028 | 5.5765  |
|        |                    | 1985 SVLAETEGILQK[134]                         |          |         |         |
|        |                    | 1986 LSDASPAEDEQFVPAPLNVAETSSSVR               |          |         |         |
|        |                    | 1987 LSDASPAEDEQFVPAPLNVAETSSSVR[162]          |          |         |         |
|        |                    | 1988 SVLAETEGILQK                              |          |         |         |
|        |                    | 1989 DAVSNTTNQLESK                             |          |         |         |
|        |                    | 1990 LLEEQLQHEVASK                             |          |         |         |
|        |                    | 1991 WEEVQSYIR                                 |          |         |         |
| Q6R5N8 | Q6R5N8 TLR13_MOUSE | Toll-like receptor 13 precursor - Mus musculus | 0.04245  | 0.92148 | 10.0908 |
|        |                    | 1992 ILEPNSFSGLTNLR                            |          |         |         |
|        |                    | 1993 AMDLSNWELR                                |          |         |         |
|        |                    | 1994 ILEPNSFSGLTNLR[162]                       |          |         |         |
|        |                    | 1995 AMDLSNWELR[162]                           |          |         |         |
|        |                    | 1996 SFPDFAFSPLK                               |          |         |         |
|        |                    | 1997 VIQNVYLK[134]                             |          |         |         |
|        |                    | 1998 TLQYPPFIK                                 |          |         |         |
|        |                    | 1999 SFPDFAFSPLK[134]                          |          |         |         |
|        |                    | 2000 ELVPALEQGSQTTFK                           |          |         |         |
|        |                    | 2001 HLEFLSLSR                                 |          |         |         |

|        |                    |                                               |         |         |         |
|--------|--------------------|-----------------------------------------------|---------|---------|---------|
|        |                    | 2002 QLNLEGQR                                 |         |         |         |
|        |                    | 2003 LETLVFQK                                 |         |         |         |
|        |                    | 2004 DAFTPLIK                                 |         |         |         |
| Q9JKR6 | Q9JKR6 HYOU1_MOUSE | Hypoxia up-regulated protein 1 precursor - Mt | 0.24495 | 0.56948 | 35.1351 |
|        |                    | 2005 LGNTISLFGGGTSSDAK                        |         |         |         |
|        |                    | 2006 VAIVKPGVPMEIVLNK                         |         |         |         |
|        |                    | 2007 VAIVK[134]PGVPMEIVLNK[134]               |         |         |         |
|        |                    | 2008 LPATEKPVLLSK                             |         |         |         |
|        |                    | 2009 TLGGLEMELR                               |         |         |         |
|        |                    | 2010 LPATEK[134]PVLLSK[134]                   |         |         |         |
|        |                    | 2011 TLGGLEMELR[162]                          |         |         |         |
|        |                    | 2012 SRFPEHELIVDPQR                           |         |         |         |
|        |                    | 2013 SVQKLEELTLR                              |         |         |         |
|        |                    | 2014 FLGDSAAGMAIK                             |         |         |         |
|        |                    | 2015 EAGMQPQLQIR                              |         |         |         |
|        |                    | 2016 FLGDSAAGMAIK[134]                        |         |         |         |
|        |                    | 2017 AANSLEAFIFETQDK                          |         |         |         |
|        |                    | 2018 AANSLEAFIFETQDK[134]                     |         |         |         |
|        |                    | 2019 LIPEMDQVFTEVEMTTLEK                      |         |         |         |
|        |                    | 2020 LIPEMDQVFTEVEMTTLEK[134]                 |         |         |         |
|        |                    | 2021 LSATSTWLEDEGFGATTVMLK                    |         |         |         |
|        |                    | 2022 NINADEAAAAMGAVYQAAALSK                   |         |         |         |
|        |                    | 2023 NINADEAAAAMGAVYQAAALSK[134]              |         |         |         |
|        |                    | 2024 VLQLINDNTATALSYGVFR                      |         |         |         |
|        |                    | 2025 VLQLINDNTATALSYGVFR[162]                 |         |         |         |
|        |                    | 2026 TVLSANADHMAQIEGLMDDVDFK                  |         |         |         |
|        |                    | 2027 DAVIYPILVEFTR[162]                       |         |         |         |
|        |                    | 2028 DAVIYPILVEFTR                            |         |         |         |
|        |                    | 2029 YFQHLLGK                                 |         |         |         |
|        |                    | 2030 EAGMQPQLQIR[162]                         |         |         |         |
|        |                    | 2031 YFQHLLGK[134]                            |         |         |         |



|        |                     |                                               |         |         |         |
|--------|---------------------|-----------------------------------------------|---------|---------|---------|
|        |                     | 2032 SLAEDFAEQPIKDAVITVPAFFNQAER              |         |         |         |
|        |                     | 2033 SVQKLEELTLRDLEK                          |         |         |         |
|        |                     | 2034 SR[162]FPEHELIVDPQR[162]                 |         |         |         |
|        |                     | 2035 MMALDREVQYLLNK                           |         |         |         |
|        |                     | 2036 MMALDR[162]EVQYLLNK[134]                 |         |         |         |
|        |                     | 2037 EVQYLLNK[134]                            |         |         |         |
|        |                     | 2038 FLGDSAAGMAIK[134]NPK[134]                |         |         |         |
|        |                     | 2039 LYQPEYQEVSTEEQREEISGK                    |         |         |         |
|        |                     | 2040 SVQK[134]LEELTLR[162]                    |         |         |         |
|        |                     | 2041 VQEVLLK[134]                             |         |         |         |
|        |                     | 2042 FLGDSAAGMAIKNPK                          |         |         |         |
|        |                     | 2043 QADNPHVALYR                              |         |         |         |
|        |                     | 2044 TKEAGMQPQLQIR                            |         |         |         |
|        |                     | 2045 QADNPHVALYR[162]                         |         |         |         |
|        |                     | 2046 EEEEEGLR                                 |         |         |         |
|        |                     | 2047 RKTPTVTVTLK                              |         |         |         |
|        |                     | 2048 VQEVLLK                                  |         |         |         |
|        |                     | 2049 EVQYLLNK                                 |         |         |         |
|        |                     | 2050 LPATEKPVLLSK[134]                        |         |         |         |
| Q8C979 | Q8C979 Q8C979_MOUSE | 7 days neonate cerebellum cDNA, RIKEN full-le | 0.56741 | 0.18763 | 4.9865  |
|        |                     | 2052 WLDGSPVDYK                               |         |         |         |
|        |                     | 2053 WLDGSPVDYK[134]                          |         |         |         |
|        |                     | 2054 ESHWIGLTDSEQESEWK                        |         |         |         |
|        |                     | 2055 SSHLVFINSR                               |         |         |         |
| Q9ER00 | Q9ER00 STX12_MOUSE  | Syntaxin-12 - Mus musculus                    | 0.05595 | 0.89663 | 36.1314 |
|        |                     | 2056 ELGSLPLPLSASEQR                          |         |         |         |
|        |                     | 2057 ELGSLPLPLSASEQR[162]                     |         |         |         |
|        |                     | 2058 LQENLQQLQHSTNQLAK                        |         |         |         |
|        |                     | 2059 LMNDFSSALNNFQVVQR                        |         |         |         |
|        |                     | 2060 LQENLQQLQHSTNQLAK[134]                   |         |         |         |

|        |                    |                                                |          |         |         |
|--------|--------------------|------------------------------------------------|----------|---------|---------|
|        |                    | 2061 LMNDFSSALNNFQVVQR[162]                    |          |         |         |
|        |                    | 2062 QLEADILDVNQIFK                            |          |         |         |
|        |                    | 2063 QLEADILDVNQIFK[134]                       |          |         |         |
|        |                    | 2064 ISQATAQIK[134]                            |          |         |         |
|        |                    | 2065 NLMSQLGTK[134]                            |          |         |         |
|        |                    | 2066 NLMSQLGTK                                 |          |         |         |
|        |                    | 2067 ETNELLK[134]ELGSLPLPLSASEQR[162]          |          |         |         |
|        |                    | 2068 ISQATAQIK                                 |          |         |         |
|        |                    | 2069 ETNELLKELGSLPLPLSASEQR                    |          |         |         |
|        |                    | 2070 NPGPSGPQPR                                |          |         |         |
|        |                    | 2071 LMNDFSSALNNFQVVQRK                        |          |         |         |
| Q3TAA7 | Q3TAA7 S11IP_MOUSE | Serine/threonine kinase 11-interacting protein | -0.26192 | 0.50919 | 9.3284  |
|        |                    | 2072 VGPSGAALGTLILR                            |          |         |         |
|        |                    | 2073 VGPSGAALGTLILR[162]                       |          |         |         |
|        |                    | 2074 SLQGLEQLK[134]                            |          |         |         |
|        |                    | 2075 DPSAEVPQFFYLRL                            |          |         |         |
|        |                    | 2076 YAVLEPEAR[162]                            |          |         |         |
|        |                    | 2077 DPSAEVPQFFYLRL[162]                       |          |         |         |
|        |                    | 2078 YAVLEPEAR                                 |          |         |         |
|        |                    | 2079 TVTQEALDLDR                               |          |         |         |
|        |                    | 2080 AATAQYLSPLR[162]                          |          |         |         |
|        |                    | 2081 LVHIPGVGLPGPIK                            |          |         |         |
|        |                    | 2082 DAAHGFLLDGK                               |          |         |         |
|        |                    | 2083 LIFYDEVSLR[162]                           |          |         |         |
| Q3U7R1 | Q3U7R1 ESYT1_MOUSE | Extended-synaptotagmin-1 - Mus musculus        | -0.74458 | 0.06059 | 26.0073 |
|        |                    | 2084 ALTLGALTPLAR[162]                         |          |         |         |
|        |                    | 2085 ALTLGALTPLAR                              |          |         |         |
|        |                    | 2086 LLVPLVPDLQDVAQLR[162]                     |          |         |         |
|        |                    | 2087 LLAETVAPAVR[162]                          |          |         |         |
|        |                    | 2088 GITSRPEPPSAAILVVYLDR                      |          |         |         |
|        |                    | 2089 GITSR[162]PEPPSAAILVVYLDR[162]            |          |         |         |

2090 LTPRPTAAELEEVLQVNSLIQTQK  
2091 LTPR[162]PTAAELEEVLQVNSLIQTQK[134]  
2092 TVSQSSAPVWEESASFLIR[162]  
2093 LLVPLVPDLQDVAQLR  
2094 ATYSTNSPVWEEAFR  
2095 ATYSTNSPVWEEAFR[162]  
2096 GANPHLQTFTFTR[162]  
2097 GNKEPNPMVQLSVQDVTR  
2098 IHVLEAQDLIAK[134]DR[162]  
2099 VLQAGVLDNWYPLQGGQGQVHLR[162]  
2100 GANPHLQTFTFTR  
2101 GNK[134]EPNPMVQLSVQDVTR[162]  
2102 GTK[134]PPSPYATITVGETSHK[134]  
2103 IHVLEAQDLIAK  
2104 LTHGDSPSEAPVGPLGQVK  
2105 LTHGDSPSEAPVGPLGQVK[134]  
2106 VLQAGVLDNWYPLQGGQGQVHLR  
2107 IHVLEAQDLIAK[134]  
2108 TVSQSSAPVWEESASFLIR  
2109 IHVLEAQDLIAKDR  
2110 LLAETVAPAVR  
2111 FEWDLPLDGTLR  
2112 FEWDLPLDGTLR[162]R[162]  
2113 ELPWVVSFPDVEK[134]  
2114 FEWDLPLDGTLR[162]  
2115 DLPDPYVSVLLLPDK[134]  
2116 DLPDPYVSVLLLPDK[134]NR[162]  
2117 DLPDPYVSVLLLPDK  
2118 FFLQDPR[162]  
2119 ILYLDYSEIR[162]  
2120 FFLQDPR

|        |                    |                                               |          |         |         |
|--------|--------------------|-----------------------------------------------|----------|---------|---------|
| Q4PZA2 | Q4PZA2 ECE1_MOUSE  | Endothelin-converting enzyme 1 - Mus muscul   | 0.08694  | 0.84000 | 16.9051 |
|        |                    | 2121 NEIVFPAGILQAPFYTR                        |          |         |         |
|        |                    | 2122 NEIVFPAGILQAPFYTR[162]                   |          |         |         |
|        |                    | 2123 DNFQDTLQVVTAHYR[162]                     |          |         |         |
|        |                    | 2124 VLTGYLNYMVQLGK[134]                      |          |         |         |
|        |                    | 2125 VLTGYLNYMVQLGK                           |          |         |         |
|        |                    | 2126 DNFQDTLQVVTAHYR                          |          |         |         |
|        |                    | 2127 AFEESLSTLK[134]                          |          |         |         |
|        |                    | 2128 AFEESLSTLK                               |          |         |         |
|        |                    | 2129 AK[134]PLMELIEK[134]                     |          |         |         |
|        |                    | 2130 TSPFFSVYVSADSK                           |          |         |         |
|        |                    | 2131 TSPFFSVYVSADSK[134]                      |          |         |         |
|        |                    | 2132 WGTFSNLWEHNQAVIK                         |          |         |         |
|        |                    | 2133 WGTFSNLWEHNQAVIK[134]                    |          |         |         |
|        |                    | 2134 ATFAEDSKNIASEIIMEIKK                     |          |         |         |
|        |                    | 2135 AKPLMELIEK                               |          |         |         |
|        |                    | 2136 HTLGENIADNGGLK                           |          |         |         |
| Q810U4 | Q810U4 NRCAM_MOUSE | Neuronal cell adhesion molecule precursor - N | 2.28306  | 0.00000 | 7.086   |
|        |                    | 2137 SVQLTWTPGDDNNSPITK                       |          |         |         |
|        |                    | 2138 YIVSGTPTFVPYLIK                          |          |         |         |
|        |                    | 2139 VQALNDVGFAPPEAAVMGHSGEDLPMVAPGNVR        |          |         |         |
|        |                    | 2140 YIVSGTPTFVPYLIK[134]                     |          |         |         |
|        |                    | 2141 SMPSEASEQYLTk                            |          |         |         |
|        |                    | 2142 LSPYVNYSFR                               |          |         |         |
| Q8JZZ7 | Q8JZZ7 LPHN2_MOUSE | Latrophilin-2 (Fragment) - Mus musculus       | -0.31606 | 0.42571 | 7.5196  |
|        |                    | 2143 AIVDTVDNLLR                              |          |         |         |
|        |                    | 2144 AIVDTVDNLLR[162]                         |          |         |         |
|        |                    | 2145 SGENAASLANELAK                           |          |         |         |
|        |                    | 2146 LVFIYR[162]                              |          |         |         |
|        |                    | 2147 GLGSSIQLSANTVK                           |          |         |         |
|        |                    | 2148 SGENAASLANELAK[134]                      |          |         |         |

|        |                    |                                               |          |         |         |
|--------|--------------------|-----------------------------------------------|----------|---------|---------|
|        |                    | 2149 GLGSSIQLSANTVK[134]                      |          |         |         |
|        |                    | 2150 GHVFAGDVSSSVR[162]                       |          |         |         |
|        |                    | 2151 AEALSWK[134]                             |          |         |         |
| Q8K482 | Q8K482 EMIL2_MOUSE | EMILIN-2 precursor - Mus musculus             | 0.42264  | 0.32638 | 4.9348  |
|        |                    | 2152 VLVNDGDVYNPNTGIFTAPYDGR                  |          |         |         |
|        |                    | 2153 FQPSATEEPSEATEGPSGK                      |          |         |         |
|        |                    | 2154 SELAEVKDTLK                              |          |         |         |
| Q91Z67 | Q91Z67 FNBP2_MOUSE | SLIT-ROBO Rho GTPase-activating protein 2 - M | -0.35497 | 0.37100 | 3.0812  |
|        |                    | 2155 VLNELYSVMK                               |          |         |         |
|        |                    | 2156 TIIQHENIFPNPR[162]                       |          |         |         |
|        |                    | 2157 ELEGPIYSR                                |          |         |         |
| Q9WV92 | Q9WV92 E41L3_MOUSE | Band 4.1-like protein 3 - Mus musculus        | -0.16313 | 0.68099 | 15.2853 |
|        |                    | 2158 GISQTNLITVTPEK                           |          |         |         |
|        |                    | 2159 VLQETILVEER[162]                         |          |         |         |
|        |                    | 2160 GISQTNLITVTPEK[134]                      |          |         |         |
|        |                    | 2161 VLQETILVEER                              |          |         |         |
|        |                    | 2162 TFLETSTETALTNEWWEKR                      |          |         |         |
|        |                    | 2163 QLEYQQFEDDK[134]LSQR[162]                |          |         |         |
|        |                    | 2164 GISQTNLITVTPEKK                          |          |         |         |
|        |                    | 2165 QLEYQQFEDDKLSQR                          |          |         |         |
|        |                    | 2166 TEPVEAEVESTPHPQPLSTEK[134]               |          |         |         |
|        |                    | 2167 RASALIDRPAPYFER                          |          |         |         |
|        |                    | 2168 VESTSVGSISPGGAK                          |          |         |         |
|        |                    | 2169 TEPVEAEVESTPHPQPLSTEK                    |          |         |         |
|        |                    | 2170 EIGDKDRDFAAAAAK                          |          |         |         |
|        |                    | 2171 EIGDK[134]DR[162]DFAAAAAK[134]           |          |         |         |
|        |                    | 2172 GMTPAEAEMHFLENK                          |          |         |         |
|        |                    | 2173 GISQTNLITVTPEK[134]K[134]                |          |         |         |
| Q9Z1Q9 | Q9Z1Q9 SYV_MOUSE   | Valyl-tRNA synthetase - Mus musculus          | 0.53811  | 0.21145 | 3.1671  |
|        |                    | 2174 GPGQDPQAALGALGK                          |          |         |         |
|        |                    | 2175 GPGQDPQAALGALGK[134]                     |          |         |         |

|        |                    |                                              |          |         |        |
|--------|--------------------|----------------------------------------------|----------|---------|--------|
|        |                    | 2176 GALINVPPPFGLPR                          |          |         |        |
|        |                    | 2177 ALNPLEDWLR                              |          |         |        |
| P43406 | P43406 ITAV_MOUSE  | Integrin alpha-V precursor - Mus musculus    | -0.52014 | 0.18990 | 16.092 |
|        |                    | 2178 IYIGDDNPLTLTVK                          |          |         |        |
|        |                    | 2179 IYIGDDNPLTLTVK[134]                     |          |         |        |
|        |                    | 2180 AILNLQWPYK                              |          |         |        |
|        |                    | 2181 MFLLVGAPK                               |          |         |        |
|        |                    | 2182 AILNLQWPYK[134]                         |          |         |        |
|        |                    | 2183 TLGMVYIYDGK                             |          |         |        |
|        |                    | 2184 MFLLVGAPK[134]                          |          |         |        |
|        |                    | 2185 AGTQLLAGLR                              |          |         |        |
|        |                    | 2186 AGTQLLAGLR[162]                         |          |         |        |
|        |                    | 2187 GATDVDRNGYPDLVVGAFGVDR                  |          |         |        |
|        |                    | 2188 SHQWFGASVR                              |          |         |        |
|        |                    | 2189 LQEVGQVSVSLQR[162]                      |          |         |        |
|        |                    | 2190 SHQWFGASVR[162]                         |          |         |        |
|        |                    | 2191 YDPNVYSIK                               |          |         |        |
|        |                    | 2192 FGSAIAPLGDLDDQDGFNDIAIAAPYGGEDKK        |          |         |        |
|        |                    | 2193 LTPITIFMEYR                             |          |         |        |
|        |                    | 2194 LNGFEVFAR                               |          |         |        |
|        |                    | 2195 AVGDFQTTK                               |          |         |        |
|        |                    | 2196 YDPNVYSIK[134]                          |          |         |        |
|        |                    | 2197 AVGDFQTTK[134]                          |          |         |        |
| O55098 | O55098 STK10_MOUSE | Serine/threonine-protein kinase 10 - Mus mus | -0.31433 | 0.42826 | 2.4845 |
|        |                    | 2198 AGNVLMTLEGDIR                           |          |         |        |
|        |                    | 2199 AGNVLMTLEGDIR[162]                      |          |         |        |
|        |                    | 2200 FYDVELENLER[162]                        |          |         |        |
|        |                    | 2201 FYDVELENLER                             |          |         |        |
| P26955 | P26955 IL3RB_MOUSE | Cytokine receptor common beta chain precurs  | 1.48153  | 0.00058 | 8.3705 |
|        |                    | 2202 KFPYQPMPQAPAIQFFK                       |          |         |        |
|        |                    | 2203 VPSGSPALGPPGFEDYVELPPSVSQAAK            |          |         |        |

|        |                   |                                    |         |         |         |
|--------|-------------------|------------------------------------|---------|---------|---------|
|        |                   | 2204 SPPGHPAPPVASSPTVIPGEPR        |         |         |         |
|        |                   | 2205 FQVNFEPK                      |         |         |         |
| P03975 | P03975 IGEB_MOUSE | IgE-binding protein - Mus musculus | 1.98669 | 0.00000 | 36.6248 |
|        |                   | 2206 LAGMALTPADWQTVVK              |         |         |         |
|        |                   | 2207 IIQGPQESFSDFVAR               |         |         |         |
|        |                   | 2208 AAGEGQFADWPQGSR               |         |         |         |
|        |                   | 2209 KIQQAFPVFEGAEGGR              |         |         |         |
|        |                   | 2210 IQQAFPVFEGAEGGR               |         |         |         |
|        |                   | 2211 VHAPVEYLQIK                   |         |         |         |
|        |                   | 2212 ANAAALTPEQR                   |         |         |         |
|        |                   | 2213 IFGESEQAAPLIEQLIYEQATK        |         |         |         |
|        |                   | 2214 ALWHEAAQAQAR                  |         |         |         |
|        |                   | 2215 ALWHEAAQAQAR[162]             |         |         |         |
|        |                   | 2216 YGTNANFTLVQLDR                |         |         |         |
|        |                   | 2217 IIQGPQESFSDFVAR[162]          |         |         |         |
|        |                   | 2218 AAGEGQFADWPQGSR[162]          |         |         |         |
|        |                   | 2219 ANAAALTPEQR[162]              |         |         |         |
|        |                   | 2220 LAGMALTPADWQTVVK[134]         |         |         |         |
|        |                   | 2221 LQGPPYAESPPC[174]VVR          |         |         |         |
|        |                   | 2222 AGETTQLTK                     |         |         |         |
|        |                   | 2223 AGETTQLTK[134]                |         |         |         |
|        |                   | 2224 AALPSMGK                      |         |         |         |
|        |                   | 2225 IQQAFPVFEGAEGGR[162]          |         |         |         |
|        |                   | 2226 LQGPPYAESPPC[174]VVR[162]     |         |         |         |
|        |                   | 2227 VHAPVEYLQIK[134]              |         |         |         |
|        |                   | 2228 KDQLAEVSR                     |         |         |         |
|        |                   | 2229 YMEWR                         |         |         |         |
|        |                   | 2230 ILDEIQDK                      |         |         |         |
|        |                   | 2231 GLEPEEK                       |         |         |         |
|        |                   | 2232 QC[174]ADSFIPR[162]           |         |         |         |
|        |                   | 2233 QC[174]ADSFIPR                |         |         |         |

|        |                     |                                                 |          |         |         |
|--------|---------------------|-------------------------------------------------|----------|---------|---------|
|        |                     | 2234 DQLAEVSR                                   |          |         |         |
|        |                     | 2235 KYGTNANFTLVQLDR                            |          |         |         |
| Q6GQT9 | Q6GQT9 Q6GQT9_MOUSE | Nodal modulator 1 - Mus musculus                | -0.32775 | 0.40880 | 6.8369  |
|        |                     | 2236 VQVVVPEAETR                                |          |         |         |
|        |                     | 2237 VLNGPDGEGVPEAVVTLNNQIK[134]                |          |         |         |
|        |                     | 2238 VLNGPDGEGVPEAVVTLNNQIK                     |          |         |         |
|        |                     | 2239 IEPPLGWSFEPTNVELR                          |          |         |         |
|        |                     | 2240 IEPPLGWSFEPTNVELR[162]                     |          |         |         |
|        |                     | 2241 GQPLGPAGVQVSLR                             |          |         |         |
|        |                     | 2242 FLLFSSLVNK[134]                            |          |         |         |
|        |                     | 2243 GQPLGPAGVQVSLR[162]                        |          |         |         |
|        |                     | 2244 VQVVVPEAETR[162]                           |          |         |         |
|        |                     | 2245 FLLFSSLVNK                                 |          |         |         |
|        |                     | 2246 ITFDVAPSR[162]                             |          |         |         |
| Q3TKZ1 | Q3TKZ1 Q3TKZ1_MOUSE | Blastocyst blastocyst cDNA, RIKEN full-length c | -0.22373 | 0.57286 | 10.7383 |
|        |                     | 2247 SSIDSEPALVLGPLK[134]                       |          |         |         |
|        |                     | 2248 DGENYVVLLDTTLPR                            |          |         |         |
|        |                     | 2249 SSIDSEPALVLGPLK                            |          |         |         |
|        |                     | 2250 DGENYVVLLDTTLPR[162]                       |          |         |         |
|        |                     | 2251 GASSPLITVFTDDK[134]                        |          |         |         |
|        |                     | 2252 HITLVFSPTR                                 |          |         |         |
|        |                     | 2253 GASSPLITVFTDDK                             |          |         |         |
|        |                     | 2254 EQQLAEIETR                                 |          |         |         |
|        |                     | 2255 HITLVFSPTR[162]                            |          |         |         |
|        |                     | 2256 EQQLAEIETR[162]                            |          |         |         |
| P15379 | P15379 CD44_MOUSE   | CD44 antigen precursor - Mus musculus           | -0.30391 | 0.44372 | 5.3985  |
|        |                     | 2257 YGFIEGNVVIPR                               |          |         |         |
|        |                     | 2258 YGFIEGNVVIPR[162]                          |          |         |         |
|        |                     | 2259 YAGVFHVEK                                  |          |         |         |
|        |                     | 2260 YAGVFHVEK[134]                             |          |         |         |
|        |                     | 2261 NLQSVDMK[134]                              |          |         |         |



|        |                     |                                                 |          |         |         |
|--------|---------------------|-------------------------------------------------|----------|---------|---------|
|        |                     | 2262 NLQSVDMK                                   |          |         |         |
|        |                     | 2263 LVINGGNGTVEDR                              |          |         |         |
|        |                     | 2264 LVINGGNGTVEDR[162]                         |          |         |         |
| Q811D0 | Q811D0 DLG1_MOUSE   | Disks large homolog 1 - Mus musculus            | -0.13934 | 0.72547 | 4.1989  |
|        |                     | 2265 QIIEEQSGPYIWVPAK                           |          |         |         |
|        |                     | 2266 QIIEEQSGPYIWVPAK[134]                      |          |         |         |
|        |                     | 2267 IISVNSVDLR[162]                            |          |         |         |
|        |                     | 2268 IISVNSVDLR                                 |          |         |         |
|        |                     | 2269 DSGLP SQGLNFR[162]                         |          |         |         |
| Q8BMJ2 | Q8BMJ2 SYLC_MOUSE   | Leucyl-tRNA synthetase, cytoplasmic - Mus mu    | 0.34864  | 0.41817 | 4.8387  |
|        |                     | 2270 GTGVVTSVPSDSPDDLAALR                       |          |         |         |
|        |                     | 2271 VIAELGSLPELK[134]                          |          |         |         |
|        |                     | 2272 TDIGDTMVYLVH                               |          |         |         |
|        |                     | 2273 SLGLSDDDIVK                                |          |         |         |
|        |                     | 2274 VIAELGSLPELK                               |          |         |         |
|        |                     | 2275 VIAELGSLPELKK                              |          |         |         |
| Q6P9J9 | Q6P9J9 TM16F_MOUSE  | Transmembrane protein 16F - Mus musculus        | 0.20691  | 0.63089 | 3.2931  |
|        |                     | 2276 SPFGNLNWFTK[134]                           |          |         |         |
|        |                     | 2277 SPFGNLNWFTK                                |          |         |         |
|        |                     | 2278 VNESVIKPEQEFTAPFEK                         |          |         |         |
| P97797 | P97797 SHPS1_MOUSE  | Tyrosine-protein phosphatase non-receptor ty    | -0.20670 | 0.60242 | 13.2554 |
|        |                     | 2279 LLIYSFTGEHFPR                              |          |         |         |
|        |                     | 2280 LLIYSFTGEHFPR[162]                         |          |         |         |
|        |                     | 2281 AQPAPKPEPSFSEYASVQVQR                      |          |         |         |
|        |                     | 2282 NNMDFSIR[162]                              |          |         |         |
|        |                     | 2283 NNMDFSIR                                   |          |         |         |
|        |                     | 2284 AQPAPK[134]PEPSFSEYASVQVQR[162]            |          |         |         |
|        |                     | 2285 APEPNNHTEYASJETGK                          |          |         |         |
|        |                     | 2286 APEPNNHTEYASJETGK[134]                     |          |         |         |
|        |                     | 2287 HDQQPAITR                                  |          |         |         |
| Q3UZV7 | Q3UZV7 Q3UZV7_MOUSE | Adult male pituitary gland cDNA, RIKEN full-ler | 0.56741  | 0.18763 | 3.1128  |

|        |                     |                                             |          |         |         |
|--------|---------------------|---------------------------------------------|----------|---------|---------|
|        |                     | 2288 GLQEILYVWNEPK                          |          |         |         |
|        |                     | 2289 SGTNILYWR                              |          |         |         |
|        |                     | 2290 WWNVLPANMK                             |          |         |         |
| P52332 | P52332 JAK1_MOUSE   | Tyrosine-protein kinase JAK1 - Mus musculus | -0.03928 | 0.92114 | 12.6626 |
|        |                     | 2291 EGIDSDIGPFIK[134]                      |          |         |         |
|        |                     | 2292 EGIDSDIGPFIK                           |          |         |         |
|        |                     | 2293 LSDPGIPVSVLTR[162]                     |          |         |         |
|        |                     | 2294 LSDPGIPVSVLTR                          |          |         |         |
|        |                     | 2295 IGDFGLTK                               |          |         |         |
|        |                     | 2296 LIMEFLPSGSLK                           |          |         |         |
|        |                     | 2297 LIMEFLPSGSLK[134]                      |          |         |         |
|        |                     | 2298 EISNLLVATK[134]                        |          |         |         |
|        |                     | 2299 DINKLEEQNPDIVSEK                       |          |         |         |
|        |                     | 2300 YDPEGDNTGEQVAVK                        |          |         |         |
|        |                     | 2301 YDPEGDNTGEQVAVK[134]                   |          |         |         |
|        |                     | 2302 KSDALTPWK                              |          |         |         |
|        |                     | 2303 NVLVESEHQVK[134]                       |          |         |         |
|        |                     | 2304 DIIQGEHLGR[162]                        |          |         |         |
|        |                     | 2305 NVLVESEHQVK                            |          |         |         |
|        |                     | 2306 DIIQGEHLGR                             |          |         |         |
|        |                     | 2307 NLYHENIVK                              |          |         |         |
|        |                     | 2308 DINK[134]LEEQNPDIVSEK[134]             |          |         |         |
|        |                     | 2309 EISNLLVATK                             |          |         |         |
|        |                     | 2310 INNVFKDFLK                             |          |         |         |
|        |                     | 2311 IGDFGLTK[134]                          |          |         |         |
|        |                     | 2312 INNVFK[134]DFLK[134]                   |          |         |         |
|        |                     | 2313 NLYHENIVK[134]                         |          |         |         |
|        |                     | 2314 TDNISFVLKR                             |          |         |         |
| Q2M4I8 | Q2M4I8 Q2M4I8_MOUSE | Ptpns1 - Mus musculus                       | -0.00572 | 0.98850 | 15.1277 |
|        |                     | 2315 EITQIQDTNDINDITYADLNLPK                |          |         |         |
|        |                     | 2316 GSSEPDTEIQSGGGTEVYVLAKPSPPEVSGPADR     |          |         |         |

|        |                    |                                              |          |         |         |
|--------|--------------------|----------------------------------------------|----------|---------|---------|
|        |                    | 2317 EITQIQDTNDINDITYADLNLPK[134]            |          |         |         |
|        |                    | 2318 DGQELHPLETTVNPSGK                       |          |         |         |
|        |                    | 2319 WFKDGGQELHPLETTVNPSGK                   |          |         |         |
|        |                    | 2320 DGQELHPLETTVNPSGK[134]                  |          |         |         |
| Q8BHL3 | Q8BHL3 TB10B_MOUSE | TBC1 domain family member 10B - Mus muscu    | -0.28786 | 0.46817 | 12.4767 |
|        |                    | 2321 ASAGPVPGAVVIAEGLHPSLPSPTGNSTPLGTSK      |          |         |         |
|        |                    | 2322 QQPPLGPSSSLLSLPSLK                      |          |         |         |
|        |                    | 2323 ELLEQNPGKFEELER                         |          |         |         |
|        |                    | 2324 QQPPLGPSSSLLSLPSLK[134]                 |          |         |         |
| Q64704 | Q64704 STX3_MOUSE  | Syntaxin-3 - Mus musculus                    | 0.22540  | 0.60067 | 22.4913 |
|        |                    | 2325 LYSIILSAPIPEPK                          |          |         |         |
|        |                    | 2326 KLYSIILSAPIPEPK                         |          |         |         |
|        |                    | 2327 TKDDLEQLTTEIK                           |          |         |         |
|        |                    | 2328 K[134]LYSIILSAPIPEPK[134]               |          |         |         |
|        |                    | 2329 TKDDLEQLTTEIKK                          |          |         |         |
|        |                    | 2330 TK[134]DDLEQLTTEIK[134]K[134]           |          |         |         |
|        |                    | 2331 YNEAQVDFR[162]                          |          |         |         |
|        |                    | 2332 LYSIILSAPIPEPK[134]                     |          |         |         |
|        |                    | 2333 YNEAQVDFR                               |          |         |         |
|        |                    | 2334 YNEAQVDFRER                             |          |         |         |
|        |                    | 2335 KFVEVMTK                                |          |         |         |
|        |                    | 2336 HIEEDEVR                                |          |         |         |
|        |                    | 2337 QALSEIEGR                               |          |         |         |
|        |                    | 2338 K[134]FVEVMTK[134]                      |          |         |         |
| O35601 | O35601 FYB_MOUSE   | FYN-binding protein - Mus musculus           | -0.11502 | 0.77191 | 3.1746  |
|        |                    | 2339 VGFLKPVSPKPTSLTK                        |          |         |         |
|        |                    | 2340 TNAWSWGILK                              |          |         |         |
|        |                    | 2341 TNAWSWGILK[134]                         |          |         |         |
| Q5F2E8 | Q5F2E8 TAOK1_MOUSE | Serine/threonine-protein kinase TAO1 - Mus n | -0.56142 | 0.15710 | 6.1938  |
|        |                    | 2342 EIEAFDSESMR                             |          |         |         |
|        |                    | 2343 AGNILLTEPGQVK[134]                      |          |         |         |

|        |                    |      |                                              |          |         |         |
|--------|--------------------|------|----------------------------------------------|----------|---------|---------|
|        |                    | 2344 | AGNILLTEPGQVK                                |          |         |         |
|        |                    | 2345 | ER[162]PETVLIDLIQR[162]                      |          |         |         |
|        |                    | 2346 | HNLEQDLVR[162]                               |          |         |         |
|        |                    | 2347 | ERPETVLIDLIQR                                |          |         |         |
|        |                    | 2348 | MQLQQEELLENNAYQSK                            |          |         |         |
| Q61739 | Q61739 ITA6_MOUSE  |      | Integrin alpha-6 precursor - Mus musculus    | 0.27426  | 0.52421 | 14.3905 |
|        |                    | 2349 | VNSLPEVLPILNSNEAK                            |          |         |         |
|        |                    | 2350 | LIATFPDTLTYSAYR                              |          |         |         |
|        |                    | 2351 | LIATFPDTLTYSAYR[162]                         |          |         |         |
|        |                    | 2352 | VNSLPEVLPILNSNEAK[134]                       |          |         |         |
|        |                    | 2353 | EGNQDKFSYLPQK                                |          |         |         |
|        |                    | 2354 | LLVGAPR                                      |          |         |         |
|        |                    | 2355 | GIVSKDDITFVSGAPR                             |          |         |         |
|        |                    | 2356 | NIGDINQDGYPDIAVGAPYDDLK                      |          |         |         |
|        |                    | 2357 | YTQELTLNR[162]                               |          |         |         |
|        |                    | 2358 | NSYPDLAVGSLSDSVTIFR                          |          |         |         |
|        |                    | 2359 | EGNQDK[134]FSYLPQK[134]                      |          |         |         |
|        |                    | 2360 | DFHYIVFGAPGTYNWK                             |          |         |         |
|        |                    | 2361 | TVQTDVHFLK                                   |          |         |         |
|        |                    | 2362 | LNLDILVR                                     |          |         |         |
|        |                    | 2363 | LNLDILVR[162]                                |          |         |         |
| Q810B6 | Q810B6 ANFY1_MOUSE |      | Ankyrin repeat and FYVE domain-containing pi | -0.06360 | 0.87265 | 5.5603  |
|        |                    | 2364 | LGVNNNQGVNIFYQVATK                           |          |         |         |
|        |                    | 2365 | TQDGETALQLAIK[134]                           |          |         |         |
|        |                    | 2366 | RLESIATTLVSHK                                |          |         |         |
|        |                    | 2367 | R[162]LESIATTLVSHK[134]                      |          |         |         |
|        |                    | 2368 | TQDGETALQLAIK                                |          |         |         |
|        |                    | 2369 | GDLFASTFLIK[134]                             |          |         |         |
|        |                    | 2370 | GDLFASTFLIK                                  |          |         |         |
|        |                    | 2371 | GVMSLVNVR[162]                               |          |         |         |
| Q6ZPF4 | Q6ZPF4 FMNL3_MOUSE |      | Formin-like protein 3 - Mus musculus         | -0.42090 | 0.28880 | 6.4202  |

|        |                    |                                                 |          |         |         |
|--------|--------------------|-------------------------------------------------|----------|---------|---------|
|        |                    | 2372 DGTIEDIITVLK[134]                          |          |         |         |
|        |                    | 2373 LGLEEFQK[134]                              |          |         |         |
|        |                    | 2374 LQSFLDPNVTR[162]                           |          |         |         |
|        |                    | 2375 DGTIEDIITVLK                               |          |         |         |
|        |                    | 2376 TAEAYNAVVR[162]                            |          |         |         |
|        |                    | 2377 GLESMGGEALAR[162]                          |          |         |         |
|        |                    | 2378 LQSFLDPNVTR                                |          |         |         |
|        |                    | 2379 TAEAYNAVVR                                 |          |         |         |
|        |                    | 2380 LGLEEFQK                                   |          |         |         |
|        |                    | 2381 GLESMGGEALAR                               |          |         |         |
|        |                    | 2382 LLDLENENMMR[162]                           |          |         |         |
| P13597 | P13597 ICAM1_MOUSE | Intercellular adhesion molecule 1 precursor - H | -0.65042 | 0.10117 | 11.7318 |
|        |                    | 2383 LDTPDLLEVGTQQK[134]                        |          |         |         |
|        |                    | 2384 LDTPDLLEVGTQQK                             |          |         |         |
|        |                    | 2385 TFDLPATIPK                                 |          |         |         |
|        |                    | 2386 TFDLPATIPK[134]                            |          |         |         |
|        |                    | 2387 K[134]ADGALLPIGVVK[134]                    |          |         |         |
|        |                    | 2388 TQLSAVLLR                                  |          |         |         |
|        |                    | 2389 TQLSAVLLR[162]                             |          |         |         |
|        |                    | 2390 EITFTVLASR[162]                            |          |         |         |
|        |                    | 2391 TQLSAVLLR[162]GEEILSR[162]                 |          |         |         |
|        |                    | 2392 TQLSAVLLRGEEILSR                           |          |         |         |
|        |                    | 2393 EITFTVLASR                                 |          |         |         |
| Q61490 | Q61490 CD166_MOUSE | CD166 antigen precursor - Mus musculus          | -0.37851 | 0.34012 | 30.0172 |
|        |                    | 2394 EIDPGTQLYTVTSSLEYK[134]                    |          |         |         |
|        |                    | 2395 LDVPQNLMTFGK                               |          |         |         |
|        |                    | 2396 APFLETQK                                   |          |         |         |
|        |                    | 2397 LDVPQNLMTFGK[134]                          |          |         |         |
|        |                    | 2398 APFLETQK[134]                              |          |         |         |
|        |                    | 2399 EIDPGTQLYTVTSSLEYK                         |          |         |         |
|        |                    | 2400 YEK[134]PDGSPVFIAFR[162]                   |          |         |         |

2401 APFLETDQLK[134]K[134]  
 2402 SSNTYTLTDVR[162]  
 2403 APFLETDQLKK  
 2404 SSNTYTLTDVR  
 2405 KSVQYDDVPEYKDR  
 2406 VLQPVEGEVAILFK  
 2407 ESLTLIVEGK[134]PQIK[134]  
 2408 SSNTYTLTDVR[162]R[162]  
 2409 VLQPVEGEVAILFK[134]  
 2410 SVQYDDVPEYKDR  
 2411 SSNTYTLTDVRR  
 2412 VFKQPSKPEIVNK  
 2413 SVQYDDVPEYK[134]DR[162]  
 2414 VFK[134]QPSK[134]PEIVNK[134]  
 2415 NMAASTTITVHYLDLSLNPSGEVTK  
 2416 NMAASTTITVHYLDLSLNPSGEVTK[134]  
 2417 YEKPDGSPVFIAFR  
 2418 ESLTLIVEGKPQIK  
 2419 SVQYDDVPEYK[134]  
 2420 K[134]SVQYDDVPEYK[134]DR[162]  
 2421 VLQPVEGEVAILFKK  
 2422 VLQPVEGEVAILFK[134]K[134]  
 2423 KEIDPGTQLYTVTSSEYK  
 2424 TIYSEQEIFDIYPTQVTIQVLPPK  
 2425 WKYEKPDGSPVFIAFR

|        |                     |                                              |         |         |         |
|--------|---------------------|----------------------------------------------|---------|---------|---------|
| Q69ZJ4 | Q69ZJ4 Q69ZJ4_MOUSE | Oxysterol-binding protein (Fragment) - Mus m | 0.32531 | 0.44999 | 22.3776 |
|        |                     | 2426 GIDLGDIQSSIESIK                         |         |         |         |
|        |                     | 2427 GIDLGDIQSSIESIK[134]                    |         |         |         |
|        |                     | 2428 TDNSEIFWNPTPDIK                         |         |         |         |
|        |                     | 2429 LKPFLGSSDYVNQISGK                       |         |         |         |
|        |                     | 2430 LK[134]PFLGSSDYVNQISGK[134]             |         |         |         |

|        |                    |                                               |          |         |         |
|--------|--------------------|-----------------------------------------------|----------|---------|---------|
|        |                    | 2431 TDNSEIFWNPTPDIK[134]                     |          |         |         |
|        |                    | 2432 LFELDPLTGEWHYK[134]                      |          |         |         |
|        |                    | 2433 SKFYGNSLSAILEGEAR                        |          |         |         |
|        |                    | 2434 LFELDPLTGEWHYK                           |          |         |         |
|        |                    | 2435 YVLEEAQR[162]                            |          |         |         |
|        |                    | 2436 YVLEEAQR                                 |          |         |         |
|        |                    | 2437 TGYSAILFEK[134]                          |          |         |         |
| O35375 | O35375 NRP2_MOUSE  | Neuropilin-2 precursor - Mus musculus         | -0.32775 | 0.40880 | 4.189   |
|        |                    | 2438 IFQANNDATEVVLNK                          |          |         |         |
|        |                    | 2439 LFEGNMHYDTPDIR                           |          |         |         |
|        |                    | 2440 EYLWSPSAAR                               |          |         |         |
| P70248 | P70248 MYO1F_MOUSE | Myosin-If - Mus musculus                      | 0.14995  | 0.72768 | 2.2748  |
|        |                    | 2441 DIILQSNPLLEAFGNAK                        |          |         |         |
|        |                    | 2442 DIILQSNPLLEAFGNAK[134]                   |          |         |         |
|        |                    | 2443 ISNFLLEK[134]                            |          |         |         |
| Q8BSY0 | Q8BSY0 ASPH_MOUSE  | Aspartyl/asparaginyl beta-hydroxylase - Mus n | -0.09592 | 0.80898 | 14.4399 |
|        |                    | 2444 AIETYQEAADLPDAPTDLVK                     |          |         |         |
|        |                    | 2445 AIETYQEAADLPDAPTDLVK[134]                |          |         |         |
|        |                    | 2446 IEEAVNAFEELVR                            |          |         |         |
|        |                    | 2447 LVQLFPSDTTLK[134]                        |          |         |         |
|        |                    | 2448 ISESIPYLK                                |          |         |         |
|        |                    | 2449 ISESIPYLK[134]                           |          |         |         |
|        |                    | 2450 GLFLPEDENLREK                            |          |         |         |
|        |                    | 2451 GLFLPEDENLR[162]EK[134]                  |          |         |         |
|        |                    | 2452 ND LGVGYLL LGDNDSAK                      |          |         |         |
|        |                    | 2453 GDWSQFTLWQQGR[162]                       |          |         |         |
|        |                    | 2454 IEEAVNAFEELVR[162]                       |          |         |         |
|        |                    | 2455 LVQLFPSDTTLK                             |          |         |         |
|        |                    | 2456 GLFLPEDENLR                              |          |         |         |
|        |                    | 2457 AQPWWTPR                                 |          |         |         |
|        |                    | 2458 GLFLPEDENLR[162]                         |          |         |         |

|        |                     |                                              |          |         |         |
|--------|---------------------|----------------------------------------------|----------|---------|---------|
| O88568 | O88568 O88568_MOUSE | 2459 GK[134]IEEAVNAFEELVR[162]               | 0.11069  | 0.79714 | 6.7669  |
|        |                     | Heterogenous nuclear ribonucleoprotein U - N |          |         |         |
|        |                     | 2460 NFILDQTNVSAAAQR[162]                    |          |         |         |
|        |                     | 2461 NFILDQTNVSAAAQR                         |          |         |         |
|        |                     | 2462 HAAENPGKYNILGTNTIMDK                    |          |         |         |
|        |                     | 2463 NGQDLGVAFK                              |          |         |         |
|        |                     | 2464 YNILGTNTIMDK[134]                       |          |         |         |
|        |                     | 2465 YNILGTNTIMDK                            |          |         |         |
| P11835 | P11835 ITB2_MOUSE   | 2466 DLPEHAVLK                               | -0.23534 | 0.55311 | 23.7354 |
|        |                     | Integrin beta-2 precursor - Mus musculus     |          |         |         |
|        |                     | 2467 SAVGELSDDSSNVVQLIK                      |          |         |         |
|        |                     | 2468 SAVGELSDDSSNVVQLIK[134]                 |          |         |         |
|        |                     | 2469 LSENIQPIFAVTK                           |          |         |         |
|        |                     | 2470 LSENIQPIFAVTK[134]                      |          |         |         |
|        |                     | 2471 LGGDLLQALNEITESGR                       |          |         |         |
|        |                     | 2472 LGGDLLQALNEITESGR[162]                  |          |         |         |
|        |                     | 2473 LLVFATDDGFHFAGDGK                       |          |         |         |
|        |                     | 2474 LLVFATDDGFHFAGDGK[134]                  |          |         |         |
|        |                     | 2475 LTDNSNQFQTEVGK                          |          |         |         |
|        |                     | 2476 LTDNSNQFQTEVGK[134]                     |          |         |         |
|        |                     | 2477 SNEFDYPSVGQLAHK[134]                    |          |         |         |
|        |                     | 2478 SQWNNDNPLFK[134]                        |          |         |         |
|        |                     | 2479 VFLDHSTLPDTLK[134]                      |          |         |         |
|        |                     | 2480 KLGGDLLQALNEITESGR                      |          |         |         |
|        |                     | 2481 IGFGSFVDKTVLPFVNTHPEK                   |          |         |         |
|        |                     | 2482 IGFGSFVDK[134]TVLPFVNTHPEK[134]         |          |         |         |
|        |                     | 2483 LSENIQPIFAVTK[134]K[134]                |          |         |         |
|        |                     | 2484 SNEFDYPSVGQLAHK                         |          |         |         |
|        |                     | 2485 LGAILTPNDGR[162]                        |          |         |         |
|        |                     | 2486 LSENIQPIFAVTKK                          |          |         |         |
|        |                     | 2487 SATTTVMNPK[134]                         |          |         |         |



|        |                     |                                               |         |         |         |
|--------|---------------------|-----------------------------------------------|---------|---------|---------|
|        |                     | 2488 VFLDHSTLPDTLK                            |         |         |         |
|        |                     | 2489 R[162]SNEFDYPSVGQLAHK[134]               |         |         |         |
|        |                     | 2490 SIANPEFDQR                               |         |         |         |
|        |                     | 2491 SIANPEFDQR[162]                          |         |         |         |
|        |                     | 2492 SATTTVMNPK                               |         |         |         |
|        |                     | 2493 SQWNNNDNPLFK                             |         |         |         |
|        |                     | 2494 LGAILTPNDGR                              |         |         |         |
|        |                     | 2495 TVLPFVNTHPEK                             |         |         |         |
|        |                     | 2496 TVLPFVNTHPEK[134]                        |         |         |         |
|        |                     | 2497 LTEIIPK[134]                             |         |         |         |
|        |                     | 2498 LTEIIPK                                  |         |         |         |
|        |                     | 2499 LKSQWNNNDNPLFK                           |         |         |         |
|        |                     | 2500 LK[134]SQWNNNDNPLFK[134]                 |         |         |         |
| P31996 | P31996 CD68_MOUSE   | Macrosialin precursor - Mus musculus          | 0.96593 | 0.02489 | 5.5215  |
|        |                     | 2501 LQAAQLPDK[134]                           |         |         |         |
|        |                     | 2502 LQAAQLPDK                                |         |         |         |
|        |                     | 2503 ILYPIQGGR[162]                           |         |         |         |
|        |                     | 2504 ILYPIQGGR                                |         |         |         |
| P33175 | P33175 KIF5A_MOUSE  | Kinesin heavy chain isoform 5A - Mus musculus | 0.10071 | 0.81509 | 2.3369  |
|        |                     | 2505 ISFLENNLEQLTK[134]                       |         |         |         |
|        |                     | 2506 ISFLENNLEQLTK                            |         |         |         |
|        |                     | 2507 LYLVDLAGSEK[134]                         |         |         |         |
| Q3TLJ4 | Q3TLJ4 Q3TLJ4_MOUSE | Mammary gland RCB-0527 Jyg-MC(B) cDNA, R      | 0.05081 | 0.90608 | 14.3345 |
|        |                     | 2508 VLQVSIQGPLPK[134]                        |         |         |         |
|        |                     | 2509 VLQVSIQGPLPK                             |         |         |         |
|        |                     | 2510 LSQTPESLDFLKVPDQGVAGVR                   |         |         |         |
|        |                     | 2511 FSNTLELK                                 |         |         |         |
| Q61768 | Q61768 KINH_MOUSE   | Kinesin heavy chain - Mus musculus            | 0.34018 | 0.42956 | 4.9844  |
|        |                     | 2512 GGGSFVQNNQPVGLR                          |         |         |         |
|        |                     | 2513 LITDLQDQNK                               |         |         |         |
|        |                     | 2514 GGGSFVQNNQPVGLR[162]                     |         |         |         |

|        |                     |                                              |          |         |         |
|--------|---------------------|----------------------------------------------|----------|---------|---------|
|        |                     | 2515 SATLASIDAELQK[134]                      |          |         |         |
|        |                     | 2516 SATLASIDAELQK                           |          |         |         |
|        |                     | 2517 LFVQDLATR                               |          |         |         |
| Q80X36 | Q80X36 Q80X36_MOUSE | Myosin IE - Mus musculus                     | 0.11066  | 0.79720 | 3.0714  |
|        |                     | 2518 VFDFLVSINK                              |          |         |         |
|        |                     | 2519 VFDFLVSINK[134]                         |          |         |         |
|        |                     | 2520 ITESSIVENLK                             |          |         |         |
|        |                     | 2521 ITESSIVENLK[134]                        |          |         |         |
|        |                     | 2522 APESLFLLEEMR                            |          |         |         |
|        |                     | 2523 APESLFLLEEMR[162]                       |          |         |         |
| Q8BPM0 | Q8BPM0 DAAM1_MOUSE  | Disheveled-associated activator of morphogen | -0.01393 | 0.97199 | 3.3426  |
|        |                     | 2524 ESSEESGEFDDLVSALR                       |          |         |         |
|        |                     | 2525 ESSEESGEFDDLVSALR[162]                  |          |         |         |
|        |                     | 2526 ILDLEDLER                               |          |         |         |
|        |                     | 2527 AVETELEYQK                              |          |         |         |
|        |                     | 2528 ILDLEDLER[162]                          |          |         |         |
| Q9Z0F8 | Q9Z0F8 ADA17_MOUSE  | ADAM 17 precursor - Mus musculus             | 0.00000  | 1.00000 | 4.8368  |
|        |                     | 2529 GYGVQIEQIR                              |          |         |         |
|        |                     | 2530 LQALQPAAMMPVSAAPK                       |          |         |         |
|        |                     | 2531 SFEDLTDHPVTR                            |          |         |         |
|        |                     | 2532 GYGVQIEQIR[162]                         |          |         |         |
| Q9Z280 | Q9Z280 PLD1_MOUSE   | Phospholipase D1 - Mus musculus              | 0.26611  | 0.53660 | 2.3277  |
|        |                     | 2533 IAADMSNLIENLDTR                         |          |         |         |
|        |                     | 2534 SLYPFLLPK                               |          |         |         |
|        |                     | 2535 SLYPFLLPK[134]                          |          |         |         |
|        |                     | 2536 IAADMSNLIENLDTR[162]                    |          |         |         |
| Q8BYC6 | Q8BYC6 TAOK3_MOUSE  | Serine/threonine-protein kinase TAO3 - Mus m | -0.51463 | 0.19464 | 2.0045  |
|        |                     | 2537 IEEELAALQK                              |          |         |         |
|        |                     | 2538 VLIDLIQR                                |          |         |         |
|        |                     | 2539 VLIDLIQR[162]                           |          |         |         |
| P62737 | P62737 ACTA_MOUSE   | Actin, aortic smooth muscle - Mus musculus   | -0.17704 | 0.65547 | 23.8727 |

|        |                   |                                          |          |         |         |
|--------|-------------------|------------------------------------------|----------|---------|---------|
|        |                   | 2540 AVFPSIVGRPR                         |          |         |         |
|        |                   | 2541 SYELPDGQVITIGNER                    |          |         |         |
|        |                   | 2542 YPIEHGIITNWDDMEK[134]               |          |         |         |
|        |                   | 2543 YPIEHGIITNWDDMEK                    |          |         |         |
|        |                   | 2544 SYELPDGQVITIGNER[162]               |          |         |         |
|        |                   | 2545 AGFAGDDAPR[162]                     |          |         |         |
|        |                   | 2546 HQGVMVGMGQK                         |          |         |         |
|        |                   | 2547 DSYVGDEAQSK[134]                    |          |         |         |
|        |                   | 2548 HQGVMVGMGQK[134]                    |          |         |         |
|        |                   | 2549 AGFAGDDAPR                          |          |         |         |
|        |                   | 2550 DSYVGDEAQSK                         |          |         |         |
|        |                   | 2551 DSYVGDEAQSKR                        |          |         |         |
|        |                   | 2552 DSYVGDEAQSK[134]R[162]              |          |         |         |
|        |                   | 2553 AVFPSIVGR[162]PR[162]               |          |         |         |
|        |                   | 2554 EITALAPSTMK                         |          |         |         |
|        |                   | 2555 AVFPSIVGR[162]PR                    |          |         |         |
|        |                   | 2556 EITALAPSTMK[134]                    |          |         |         |
|        |                   | 2557 MQKEITALAPSTMK                      |          |         |         |
| O70309 | O70309 ITB5_MOUSE | Integrin beta-5 precursor - Mus musculus | -0.25636 | 0.51822 | 5.5138  |
|        |                   | 2558 LGFGSFVDKDISPFSYTAPR                |          |         |         |
|        |                   | 2559 QAAQSFTLRPVGFR                      |          |         |         |
|        |                   | 2560 LGFGSFVDK[134]DISPFSYTAPR[162]      |          |         |         |
|        |                   | 2561 YEMASNPLYR[162]                     |          |         |         |
|        |                   | 2562 QAAQSFTLR[162]PVGFR[162]            |          |         |         |
| P37040 | P37040 NCPR_MOUSE | NADPH--cytochrome P450 reductase - Mus m | -0.04275 | 0.91419 | 31.2684 |
|        |                   | 2563 NPFLAAVTTNR                         |          |         |         |
|        |                   | 2564 NPFLAAVTTNR[162]                    |          |         |         |
|        |                   | 2565 FAVFGLGNK                           |          |         |         |
|        |                   | 2566 FAVFGLGNK[134]                      |          |         |         |
|        |                   | 2567 TALTYLDITNPPR                       |          |         |         |
|        |                   | 2568 ALVPMFVR                            |          |         |         |

2569 GVATSWLR[162]  
 2570 LKSYENQKPPFDAK  
 2571 VYVQHLLK  
 2572 GMSADPEEYDLADLSSLPEIDK  
 2573 NIIVFYGSQTGTAEEFANR  
 2574 NIIVFYGSQTGTAEEFANR[162]  
 2575 TNVLYELAQYASEPSEQEHLHK  
 2576 TNVLYELAQYASEPSEQEHLHK[134]  
 2577 TYEHFNAMGK[134]  
 2578 DGALTQLNVAFSR  
 2579 QYELVVHEDMDTAK  
 2580 TALTYLDITNPPR[162]  
 2581 SDEDYLYR[162]EELAR[162]  
 2582 SDEDYLYREELAR  
 2583 NPFLAAVTTNRK  
 2584 VYVQHLLK[134]  
 2585 VYVQHLLKR  
 2586 IQTTAPPVK[134]ESSFVEK[134]  
 2587 SYENQKPPFDAK  
 2588 IQTTAPPVK[134]  
 2589 R[162]SDEDYLYR[162]EELAR[162]  
 2590 IQTTAPPVKESFVEK  
 2591 SYENQK[134]PPFDAK[134]  
 2592 DGALTQLNVAFSR[162]  
 2593 TYEHFNAMGK  
 2594 VYTGEMGR  
 2595 SYENQKPPFDAKNPFLAAVTTNR  
 2596 IQTTAPPVK  
 2597 SNLAYDIVQLPTGLTGIK  
 2598 EFSITDVVPYPISLR

|        |                    |                                            |          |         |        |
|--------|--------------------|--------------------------------------------|----------|---------|--------|
| Q61316 | Q61316 HSP74_MOUSE | Heat shock 70 kDa protein 4 - Mus musculus | -0.03579 | 0.92812 | 10.107 |
|--------|--------------------|--------------------------------------------|----------|---------|--------|

|        |                     |                                                 |          |         |         |
|--------|---------------------|-------------------------------------------------|----------|---------|---------|
|        |                     | 2599 VLATAFDTTLGGR[162]                         |          |         |         |
|        |                     | 2600 NAVEEYVYEMR[162]                           |          |         |         |
|        |                     | 2601 VLATAFDTTLGGR                              |          |         |         |
|        |                     | 2602 AFSDPFVEAEK                                |          |         |         |
|        |                     | 2603 QSLTVDPVVK[134]                            |          |         |         |
|        |                     | 2604 EFSITDVVPYPISLR[162]                       |          |         |         |
|        |                     | 2605 QSLTVDPVVK                                 |          |         |         |
|        |                     | 2606 LFEELGK                                    |          |         |         |
| Q3TVI8 | Q3TVI8 PBIP1_MOUSE  | Pre-B-cell leukemia transcription factor-intera | 0.48537  | 0.25969 | 7.2902  |
|        |                     | 2607 TSHQALESELQQLR                             |          |         |         |
|        |                     | 2608 DNSPDALSSWEELLR                            |          |         |         |
|        |                     | 2609 QEGLALFGVELAPVR                            |          |         |         |
|        |                     | 2610 DNSPDALSSWEELLR[162]                       |          |         |         |
|        |                     | 2611 LPWAGQLTK                                  |          |         |         |
| Q5SUA5 | Q5SUA5 Q5SUA5_MOUSE | Myosin 1G - Mus musculus                        | -0.12746 | 0.74803 | 17.1875 |
|        |                     | 2612 LLYNSVDPTLR                                |          |         |         |
|        |                     | 2613 DYLSSDTDNPTASHLFAEQLK                      |          |         |         |
|        |                     | 2614 NPAVYNFTR                                  |          |         |         |
|        |                     | 2615 AMWPDGQQDITEVTK                            |          |         |         |
|        |                     | 2616 GGLEVADEALVGYVAK                           |          |         |         |
|        |                     | 2617 VAAMGALQGLR[162]                           |          |         |         |
|        |                     | 2618 VAAMGALQGLR                                |          |         |         |
|        |                     | 2619 AMWPDGQQDITEVTK[134]                       |          |         |         |
|        |                     | 2620 STFTLLWPSH                                 |          |         |         |
|        |                     | 2621 LLYNSVDPTLR[162]                           |          |         |         |
|        |                     | 2622 NFHAFYQLLR                                 |          |         |         |
|        |                     | 2623 NPAVYNFTR[162]                             |          |         |         |
|        |                     | 2624 GSEDQELQGLHLER[162]                        |          |         |         |
|        |                     | 2625 DYLSSDTDNPTASHLFAEQLK[134]                 |          |         |         |
|        |                     | 2626 GSEDQELQGLHLER                             |          |         |         |
|        |                     | 2627 DSLFQDFKR                                  |          |         |         |

|        |                     |                                                 |          |         |         |
|--------|---------------------|-------------------------------------------------|----------|---------|---------|
|        |                     | 2628 LFEWVVNK                                   |          |         |         |
|        |                     | 2629 TLVTLEQSR[162]                             |          |         |         |
|        |                     | 2630 LFEWVVNK[134]                              |          |         |         |
|        |                     | 2631 LISVEPRPEQPEPDFQSSR                        |          |         |         |
|        |                     | 2632 IIGFSPDEVESIHR[162]                        |          |         |         |
| P09405 | P09405 NUCL_MOUSE   | Nucleolin - Mus musculus                        | 0.01609  | 0.97019 | 18.2461 |
|        |                     | 2633 GFGFVDFNSEEDAK                             |          |         |         |
|        |                     | 2634 GFGFVDFNSEEDAK[134]                        |          |         |         |
|        |                     | 2635 VEGSEPTTPFNLFIGNLNPNK[134]                 |          |         |         |
|        |                     | 2636 TLVLSNLSYSATK                              |          |         |         |
|        |                     | 2637 ND LAVVDVR                                 |          |         |         |
|        |                     | 2638 FAISELFAK[134]                             |          |         |         |
|        |                     | 2639 ND LAVVDVR[162]                            |          |         |         |
|        |                     | 2640 FAISELFAK                                  |          |         |         |
|        |                     | 2641 SVSLYYTG EK                                |          |         |         |
|        |                     | 2642 ETLEEVFEK                                  |          |         |         |
|        |                     | 2643 VEGSEPTTPFNLFIGNLNPNK                      |          |         |         |
|        |                     | 2644 TLVLSNLSYSATK[134]                         |          |         |         |
|        |                     | 2645 FGYVDFESAEDLEK                             |          |         |         |
|        |                     | 2646 QKVEGSEPTTPFNLFIGNLNPNK                    |          |         |         |
|        |                     | 2647 FGYVDFESAEDLEK[134]                        |          |         |         |
|        |                     | 2648 GLSED TTEETLKESFE GSVR                     |          |         |         |
|        |                     | 2649 SVSLYYTG EK[134]                           |          |         |         |
|        |                     | 2650 GIAYIEFK[134]                              |          |         |         |
|        |                     | 2651 GIAYIEFK                                   |          |         |         |
| Q3TVQ0 | Q3TVQ0 Q3TVQ0_MOUSE | Osteoclast-like cell cDNA, RIKEN full-length en | -0.76544 | 0.05372 | 2.2518  |
|        |                     | 2652 LNIDPATITWQR                               |          |         |         |
|        |                     | 2653 DFTLPISDV R[162]                           |          |         |         |
|        |                     | 2654 LNIDPATITWQR[162]                          |          |         |         |
|        |                     | 2655 DFTLPISDV R                                |          |         |         |
| Q5SYD0 | Q5SYD0 MYO1D_MOUSE  | Myosin-I d - Mus musculus                       | -0.12670 | 0.74949 | 3.5785  |

|        |                    |                                               |          |         |         |
|--------|--------------------|-----------------------------------------------|----------|---------|---------|
|        |                    | 2656 HQVEYLGLLENVR[162]                       |          |         |         |
|        |                    | 2657 HQVEYLGLLENVR                            |          |         |         |
|        |                    | 2658 TIPASDLPQVR                              |          |         |         |
|        |                    | 2659 TIPASDLPQVR[162]                         |          |         |         |
|        |                    | 2660 VVSVIAELLSTK                             |          |         |         |
|        |                    | 2661 VVSVIAELLSTK[134]                        |          |         |         |
| Q8BHN3 | Q8BHN3 GANAB_MOUSE | Neutral alpha-glucosidase AB precursor - Mus  | -0.65982 | 0.09633 | 8.6864  |
|        |                    | 2662 MLDYLQGSGETPQTDIR                        |          |         |         |
|        |                    | 2663 LSFQHDPETSVLILR[162]                     |          |         |         |
|        |                    | 2664 VVIMGAGKPAAVVLQTK                        |          |         |         |
|        |                    | 2665 VVIMGAGK[134]PAAVVLQTK[134]              |          |         |         |
|        |                    | 2666 IILTAQPFR                                |          |         |         |
|        |                    | 2667 LSFQHDPETSVLILR                          |          |         |         |
|        |                    | 2668 IILTAQPFR[162]                           |          |         |         |
|        |                    | 2669 YR[162]VPDVLVADPPTAR[162]                |          |         |         |
|        |                    | 2670 IRIDELEPR                                |          |         |         |
|        |                    | 2671 YRVPDVLVADPPTAR                          |          |         |         |
| Q8R5M8 | Q8R5M8 CADM1_MOUSE | Cell adhesion molecule 1 precursor - Mus mus  | 0.06398  | 0.88190 | 16.0088 |
|        |                    | 2672 SDDSVIQLLNPNR[162]                       |          |         |         |
|        |                    | 2673 SDDSVIQLLNPNR                            |          |         |         |
|        |                    | 2674 GADDAADADTAIINAEGGQNNSEEKK               |          |         |         |
|        |                    | 2675 GADDAADADTAIINAEGGQNNSEEKKEYFI           |          |         |         |
|        |                    | 2676 GADDAADADTAIINAEGGQNNSEEK[134]K[134]EYFI |          |         |         |
|        |                    | 2677 GK[134]SEVEEWSDMYTVTSQLMLK[134]          |          |         |         |
|        |                    | 2678 GKSEVEEWSDMYTVTSQLMLK                    |          |         |         |
|        |                    | 2679 DFR[162]PLK[134]DSR[162]                 |          |         |         |
| Q9EQK5 | Q9EQK5 MVP_MOUSE   | Major vault protein - Mus musculus            | -0.41100 | 0.30029 | 15.6794 |
|        |                    | 2680 GIQDVYVLSEQQGILLK                        |          |         |         |
|        |                    | 2681 GPLEYVPSAK[134]                          |          |         |         |
|        |                    | 2682 SFFLQPGER[162]                           |          |         |         |
|        |                    | 2683 GPLEYVPSAK                               |          |         |         |

|        |                    |      |                                        |          |         |         |
|--------|--------------------|------|----------------------------------------|----------|---------|---------|
|        |                    | 2684 | LAQDPFPLYPGELLEK                       |          |         |         |
|        |                    | 2685 | QAIPLDQNEGIYVQDVK[134]                 |          |         |         |
|        |                    | 2686 | DLAVAGPEMQVK                           |          |         |         |
|        |                    | 2687 | QAIPLDQNEGIYVQDVK                      |          |         |         |
|        |                    | 2688 | LAQDPFPLYPGELLEK[134]                  |          |         |         |
|        |                    | 2689 | VTGEEWLVR[162]                         |          |         |         |
|        |                    | 2690 | SFFLQPGER                              |          |         |         |
|        |                    | 2691 | VPHNAAVQVYDYR[162]                     |          |         |         |
|        |                    | 2692 | EMELIYSR[162]                          |          |         |         |
|        |                    | 2693 | VLFPVR                                 |          |         |         |
|        |                    | 2694 | VTGEEWLVR                              |          |         |         |
|        |                    | 2695 | AQLELEVSK                              |          |         |         |
|        |                    | 2696 | VLFPVR[162]                            |          |         |         |
|        |                    | 2697 | LLQSLGLK                               |          |         |         |
| Q62192 | Q62192 CD180_MOUSE |      | CD180 antigen precursor - Mus musculus | -0.56218 | 0.15654 | 17.3979 |
|        |                    | 2698 | DAQSPFQNLHLLK                          |          |         |         |
|        |                    | 2699 | VLDFQNNAIHYLSK                         |          |         |         |
|        |                    | 2700 | TLESYLGSNHISSIK                        |          |         |         |
|        |                    | 2701 | HLFFIQTGISSIDFIPLHNQK                  |          |         |         |
|        |                    | 2702 | HLFFIQTGISSIDFIPLHNQK[134]             |          |         |         |
|        |                    | 2703 | LTSSIEALSHLK                           |          |         |         |
|        |                    | 2704 | MMNHVDLSHNR[162]                       |          |         |         |
|        |                    | 2705 | VKDAQSPFQNLHLLK                        |          |         |         |
|        |                    | 2706 | VK[134]DAQSPFQNLHLLK[134]              |          |         |         |
|        |                    | 2707 | LTSSIEALSHLK[134]                      |          |         |         |
|        |                    | 2708 | TLESYLGSNHISSIK[134]LPK[134]           |          |         |         |
|        |                    | 2709 | VLDFQNNAIHYLSK[134]                    |          |         |         |
|        |                    | 2710 | TLESYLGSNHISSIK[134]                   |          |         |         |
|        |                    | 2711 | DAQSPFQNLHLLK[134]                     |          |         |         |
|        |                    | 2712 | LINLTFLDLTR                            |          |         |         |
|        |                    | 2713 | TLESYLGSNHISSIKLPK                     |          |         |         |



|        |                    |                                            |          |         |         |
|--------|--------------------|--------------------------------------------|----------|---------|---------|
|        |                    | 2714 TNSLQTLGR[162]                        |          |         |         |
|        |                    | 2715 LK[134]VLDFQNNAIHYLSK[134]            |          |         |         |
|        |                    | 2716 TNSLQTLGR                             |          |         |         |
| O35643 | O35643 AP1B1_MOUSE | AP-1 complex subunit beta-1 - Mus musculus | -0.03579 | 0.92812 | 8.1654  |
|        |                    | 2717 NVEGQDMLYQSLK[134]                    |          |         |         |
|        |                    | 2718 LASQANIAQVLAELK[134]                  |          |         |         |
|        |                    | 2719 MEPLNNLQVAVK                          |          |         |         |
|        |                    | 2720 AAMIWIVGEYAER[162]                    |          |         |         |
|        |                    | 2721 LASQANIAQVLAELK                       |          |         |         |
|        |                    | 2722 NVEGQDMLYQSLK                         |          |         |         |
|        |                    | 2723 KGEIFELK                              |          |         |         |
|        |                    | 2724 NINLIVQK                              |          |         |         |
|        |                    | 2725 YNDPIYVK[134]                         |          |         |         |
|        |                    | 2726 NINLIVQK[134]                         |          |         |         |
|        |                    | 2727 YNDPIYVK                              |          |         |         |
| P08113 | P08113 ENPL_MOUSE  | Endoplasmin precursor - Mus musculus       | -0.03564 | 0.92842 | 36.1596 |
|        |                    | 2728 GVVDSDDLPLNVSR                        |          |         |         |
|        |                    | 2729 GVVDSDDLPLNVSR[162]                   |          |         |         |
|        |                    | 2730 SILFVPTSAPR[162]                      |          |         |         |
|        |                    | 2731 SILFVPTSAPR                           |          |         |         |
|        |                    | 2732 FAFQAEVNR                             |          |         |         |
|        |                    | 2733 DISTNYYASQK[134]                      |          |         |         |
|        |                    | 2734 EATEKEFEPLLNWMK                       |          |         |         |
|        |                    | 2735 EEASDYLELDTIK                         |          |         |         |
|        |                    | 2736 EEASDYLELDTIK[134]                    |          |         |         |
|        |                    | 2737 ELISNASDALDKIR                        |          |         |         |
|        |                    | 2738 IADEKYNDTFWK                          |          |         |         |
|        |                    | 2739 NLLHVTDGTGVGMTR                       |          |         |         |
|        |                    | 2740 VFITDDFHDMMMPK                        |          |         |         |
|        |                    | 2741 VFITDDFHDMMMPK[134]                   |          |         |         |
|        |                    | 2742 AQAYQTGKDISTNYYASQK                   |          |         |         |

2743 FQSSHSTDITSLDQYVER  
2744 FQSSHSTDITSLDQYVER[162]  
2745 LGVIEDHSNR  
2746 NLLHVTDGTGVGMTR[162]  
2747 NLLHVTDGTGVGMTR[162]EELVK[134]  
2748 NLLHVTDGTGVGMTR[162]EELVK[134]  
2749 RVFITDDFHDMMMPK  
2750 R[162]VFITDDFHDMMMPK[134]  
2751 TDDEVVQREEEAIQLDGLNASQIR  
2752 DISTNYYASQK  
2753 ELISNASDALDK[134]  
2754 SGYLLPDTK[134]  
2755 IYFMAGSSR[162]  
2756 LGVIEDHSNR[162]  
2757 DISTNYYASQK[134]K[134]  
2758 ELISNASDALDK  
2759 FAFQAEVNR[162]  
2760 IYFMAGSSR  
2761 SGYLLPDTK  
2762 KEAESSPFVER  
2763 EATEK[134]EFEPLLNWMK[134]  
2764 DISTNYYASQKK  
2765 SGTSEFLNK[134]  
2766 EAESSPFVER[162]  
2767 K[134]EAESSPFVER[162]  
2768 LIINSLYK  
2769 ELISNASDALDK[134]IR[162]  
2770 GLFDEYGSK[134]  
2771 EAESSPFVER  
2772 GLFDEYGSK  
2773 EFEPLLNWMK[134]

|        |                    |                                             |          |         |        |
|--------|--------------------|---------------------------------------------|----------|---------|--------|
|        |                    | 2774 TFEINPR[162]                           |          |         |        |
|        |                    | 2775 LIINSLYK[134]                          |          |         |        |
|        |                    | 2776 EGVKFDESEKTK                           |          |         |        |
|        |                    | 2777 EVEEDEYKAFYK                           |          |         |        |
|        |                    | 2778 ALKDKIEK                               |          |         |        |
|        |                    | 2779 GLFDEYGSKK                             |          |         |        |
|        |                    | 2780 EVEEDEYK[134]AFYK[134]                 |          |         |        |
|        |                    | 2781 EFEPLLNWMK                             |          |         |        |
|        |                    | 2782 K[134]TFEINPR[162]                     |          |         |        |
|        |                    | 2783 TFEINPR                                |          |         |        |
|        |                    | 2784 SGTSEFLNK                              |          |         |        |
|        |                    | 2785 YNDTFWK                                |          |         |        |
|        |                    | 2786 EGVKFDESEK                             |          |         |        |
|        |                    | 2787 KTFEINPR                               |          |         |        |
|        |                    | 2788 AQAYQTGKDISTNYYASQKK                   |          |         |        |
|        |                    | 2789 IADEK[134]YNDTFWK[134]                 |          |         |        |
|        |                    | 2790 ALK[134]DK[134]IEK[134]                |          |         |        |
|        |                    | 2791 KIADEKYNDTFWK                          |          |         |        |
| P17426 | P17426 AP2A1_MOUSE | AP-2 complex subunit alpha-1 - Mus musculus | -0.17440 | 0.66028 | 3.3777 |
|        |                    | 2792 VGGYILGEFGNLIAGDPR                     |          |         |        |
|        |                    | 2793 VGGYILGEFGNLIAGDPR[162]                |          |         |        |
|        |                    | 2794 FFQPTEMAAQDFFQR                        |          |         |        |
| P17427 | P17427 AP2A2_MOUSE | AP-2 complex subunit alpha-2 - Mus musculus | -0.01393 | 0.97199 | 6.6098 |
|        |                    | 2795 FFQPTEMASQDFFQR                        |          |         |        |
|        |                    | 2796 EMAEAFAGEIPK                           |          |         |        |
|        |                    | 2797 QLSNPQQEVQNIFK                         |          |         |        |
|        |                    | 2798 ILVAGDTMDSVK                           |          |         |        |
|        |                    | 2799 FVNLFPEVK[134]                         |          |         |        |
| P39054 | P39054 DYN2_MOUSE  | Dynamin-2 - Mus musculus                    | 0.55627  | 0.19644 | 11.954 |
|        |                    | 2800 VYSPHVLNLTLDLPGITK                     |          |         |        |
|        |                    | 2801 NLVDSYVAIINK                           |          |         |        |

|        |                     |                                                |          |         |         |
|--------|---------------------|------------------------------------------------|----------|---------|---------|
|        |                     | 2802 NLVDSYVAIINK[134]                         |          |         |         |
|        |                     | 2803 IEGSGDQVDTLELSGGAR                        |          |         |         |
|        |                     | 2804 IEGSGDQVDTLELSGGAR[162]                   |          |         |         |
|        |                     | 2805 VPVGDQPPDIEYQIK                           |          |         |         |
|        |                     | 2806 GMEELIPLVNK                               |          |         |         |
|        |                     | 2807 TLNQQLTNHIR                               |          |         |         |
|        |                     | 2808 DMILQFISR                                 |          |         |         |
|        |                     | 2809 GMEELIPLVNK[134]                          |          |         |         |
|        |                     | 2810 YMLPLDNLK                                 |          |         |         |
| Q3UKC1 | Q3UKC1 TAXB1_MOUSE  | Tax1-binding protein 1 homolog - Mus musculi   | 0.59612  | 0.16627 | 14.6192 |
|        |                     | 2811 LSDQAASTNSVFTK                            |          |         |         |
|        |                     | 2812 QLADTLAELQLHAVK                           |          |         |         |
|        |                     | 2813 VQQLEEDIVSVTHK                            |          |         |         |
|        |                     | 2814 DGADGAFYPDEIQRPPVR                        |          |         |         |
|        |                     | 2815 ALLLTTSNKEDTLFLK                          |          |         |         |
|        |                     | 2816 GLEVSQSLR                                 |          |         |         |
|        |                     | 2817 LVSEIQLK                                  |          |         |         |
|        |                     | 2818 ELSDAVNVR                                 |          |         |         |
|        |                     | 2819 HVQTHFDQNVLNFD                            |          |         |         |
| Q5FWZ1 | Q5FWZ1 Q5FWZ1_MOUSE | Vacuolar protein sorting 11 - Mus musculus     | -0.08053 | 0.83917 | 3.1881  |
|        |                     | 2820 ASSEEFIPFANNPR                            |          |         |         |
|        |                     | 2821 ASSEEFIPFANNPR[162]                       |          |         |         |
|        |                     | 2822 TLMHHIPEQTTQLK                            |          |         |         |
| Q5KU39 | Q5KU39 VPS41_MOUSE  | Vacuolar protein sorting-associated protein 41 | -0.24056 | 0.54434 | 9.1442  |
|        |                     | 2823 NFVEETVYLLSR[162]                         |          |         |         |
|        |                     | 2824 NFVEETVYLLSR                              |          |         |         |
|        |                     | 2825 VYLLDVQGNITQK                             |          |         |         |
|        |                     | 2826 ILVADSLSLK[134]                           |          |         |         |
|        |                     | 2827 ILVADSLSLK                                |          |         |         |
|        |                     | 2828 IIAVHPQFVR                                |          |         |         |
|        |                     | 2829 IIAVHPQFVR[162]                           |          |         |         |

|        |                    |                                     |          |         |         |
|--------|--------------------|-------------------------------------|----------|---------|---------|
|        |                    | 2830 NASLWEYEVYK                    |          |         |         |
|        |                    | 2831 FLALGTHYGK[134]                |          |         |         |
|        |                    | 2832 FLALGTHYGK                     |          |         |         |
|        |                    | 2833 LSNGVTEILQK                    |          |         |         |
|        |                    | 2834 NASLWEYEVYK[134]               |          |         |         |
| Q7TPR4 | Q7TPR4 ACTN1_MOUSE | Alpha-actinin-1 - Mus musculus      | -1.05526 | 0.00783 | 26.9058 |
|        |                    | 2835 DDPLTNLNTAFDVAER[162]          |          |         |         |
|        |                    | 2836 ETADTDADQVMASFK                |          |         |         |
|        |                    | 2837 ETADTDADQVMASFK[134]           |          |         |         |
|        |                    | 2838 LLETIDQLYLEYAK[134]            |          |         |         |
|        |                    | 2839 LVSIGAEIVDGNVK[134]            |          |         |         |
|        |                    | 2840 MLDAEDIVGTAR[162]PDEK[134]     |          |         |         |
|        |                    | 2841 QFGAQANVIGPWIQTK[134]          |          |         |         |
|        |                    | 2842 K[134]DDPLTNLNTAFDVAER[162]    |          |         |         |
|        |                    | 2843 MLDAEDIVGTARPDEK               |          |         |         |
|        |                    | 2844 LLETIDQLYLEYAK                 |          |         |         |
|        |                    | 2845 TINEVENQILTR[162]              |          |         |         |
|        |                    | 2846 GISQEQMNEFR[162]               |          |         |         |
|        |                    | 2847 VGWEQLLTTIAR[162]              |          |         |         |
|        |                    | 2848 TINEVENQILTR                   |          |         |         |
|        |                    | 2849 FAIQDISVEETSAK[134]            |          |         |         |
|        |                    | 2850 VGWEQLLTTIAR                   |          |         |         |
|        |                    | 2851 ILAGDKNYITEDEL                 |          |         |         |
|        |                    | 2852 HR[162]PELIDYGK[134]           |          |         |         |
|        |                    | 2853 ILAGDK[134]NYITEDEL[162]R[162] |          |         |         |
|        |                    | 2854 AGTQIENIEEDFR[162]DGLK[134]    |          |         |         |
|        |                    | 2855 LAILGIHNEVSK[134]              |          |         |         |
|        |                    | 2856 LASDLLEWIR[162]                |          |         |         |
|        |                    | 2857 FAIQDISVEETSAK                 |          |         |         |
|        |                    | 2858 LASDLLEWIR                     |          |         |         |
|        |                    | 2859 ALDFIASK[134]                  |          |         |         |

|        |                    |                                                |          |         |         |
|--------|--------------------|------------------------------------------------|----------|---------|---------|
|        |                    | 2860 LSNR[162]PAFMPSEGR[162]                   |          |         |         |
|        |                    | 2861 ASIHEAWTDGK[134]                          |          |         |         |
|        |                    | 2862 ALDFIASK                                  |          |         |         |
|        |                    | 2863 LSNRPAFMPSEGR                             |          |         |         |
| Q8R3S6 | Q8R3S6 EXOC1_MOUSE | Exocyst complex component 1 - Mus musculus     | -0.37709 | 0.34193 | 7.2707  |
|        |                    | 2864 ELQVLDGANIQSIMASEK                        |          |         |         |
|        |                    | 2865 ELQVLDGANIQSIMASEK[134]                   |          |         |         |
|        |                    | 2866 ALQEGDLVSSR                               |          |         |         |
|        |                    | 2867 DIFTPNDER[162]                            |          |         |         |
|        |                    | 2868 YTDHLQSYVIYSLGQPLEK[134]                  |          |         |         |
|        |                    | 2869 ALQEGDLVSSR[162]                          |          |         |         |
|        |                    | 2870 DIFTPNDER                                 |          |         |         |
|        |                    | 2871 GVFINVEK                                  |          |         |         |
| Q91W86 | Q91W86 VPS11_MOUSE | Vacuolar protein sorting-associated protein 11 | -0.21123 | 0.59448 | 10.5207 |
|        |                    | 2872 IHNLTAYLQTLHR                             |          |         |         |
|        |                    | 2873 QHNILASVGEDEEGINPLVK                      |          |         |         |
|        |                    | 2874 GNYPTGLAFR                                |          |         |         |
|        |                    | 2875 LTLTDPPTAR                                |          |         |         |
|        |                    | 2876 NLFEMAINLAK                               |          |         |         |
|        |                    | 2877 GNYPTGLAFR[162]                           |          |         |         |
|        |                    | 2878 QSQQIAQDELRL[162]                         |          |         |         |
|        |                    | 2879 SLQLTGFQAYK[134]                          |          |         |         |
|        |                    | 2880 NLFEMAINLAK[134]                          |          |         |         |
|        |                    | 2881 QSQQIAQDELRL                              |          |         |         |
|        |                    | 2882 LTPSLEAGLQR[162]                          |          |         |         |
|        |                    | 2883 LTLTDPPTAR[162]                           |          |         |         |
|        |                    | 2884 LTPSLEAGLQR                               |          |         |         |
| Q9DBG3 | Q9DBG3 AP2B1_MOUSE | AP-2 complex subunit beta-1 - Mus musculus     | 0.00760  | 0.98592 | 6.6169  |
|        |                    | 2885 DIPNENELQFQIK                             |          |         |         |
|        |                    | 2886 SQPDMAIMAVNSFVK[134]                      |          |         |         |
|        |                    | 2887 DIPNENELQFQIK[134]                        |          |         |         |

|        |                    |                                               |         |         |         |
|--------|--------------------|-----------------------------------------------|---------|---------|---------|
|        |                    | 2888 SQPDMAIMAVNSFVK                          |         |         |         |
|        |                    | 2889 LQNNNVYTIAK                              |         |         |         |
|        |                    | 2890 LQNNNVYTIAK[134]                         |         |         |         |
|        |                    | 2891 LLSTDPVTAK                               |         |         |         |
|        |                    | 2892 IQPGNPNYTSLK                             |         |         |         |
| Q9WU78 | Q9WU78 PDC6I_MOUSE | Programmed cell death 6-interacting protein - | 0.00439 | 0.99187 | 29.8044 |
|        |                    | 2893 ATLVKPTPVNVPVSQK                         |         |         |         |
|        |                    | 2894 LANQAADYFGDAFK                           |         |         |         |
|        |                    | 2895 MVPVSVQQSLAVFSQR                         |         |         |         |
|        |                    | 2896 FYNELTEILVR                              |         |         |         |
|        |                    | 2897 STSVVEQGGIQTVDQLIK[134]                  |         |         |         |
|        |                    | 2898 STSVVEQGGIQTVDQLIK                       |         |         |         |
|        |                    | 2899 TMQGSEVVSVLK[134]                        |         |         |         |
|        |                    | 2900 TMQGSEVVSVLK                             |         |         |         |
|        |                    | 2901 LANQAADYFGDAFK[134]                      |         |         |         |
|        |                    | 2902 LLDEEEATDNDLR                            |         |         |         |
|        |                    | 2903 LLDEEEATDNDLR[162]                       |         |         |         |
|        |                    | 2904 MVPVSVQQSLAVFSQR[162]                    |         |         |         |
|        |                    | 2905 TPSNDLYKPLR                              |         |         |         |
|        |                    | 2906 ATLVK[134]PTPVNVPVSQK[134]               |         |         |         |
|        |                    | 2907 FYNELTEILVR[162]                         |         |         |         |
|        |                    | 2908 NIQVSHQEFSK[134]                         |         |         |         |
|        |                    | 2909 NREILEESLR                               |         |         |         |
|        |                    | 2910 NIQVSHQEFSK                              |         |         |         |
|        |                    | 2911 LQHAAELIK                                |         |         |         |
|        |                    | 2912 LALASLGYEK                               |         |         |         |
|        |                    | 2913 YDEYVNVK                                 |         |         |         |
|        |                    | 2914 ELPELLQR                                 |         |         |         |
|        |                    | 2915 TSEVDLAKPLVK                             |         |         |         |
|        |                    | 2916 ELPELLQR[162]                            |         |         |         |
|        |                    | 2917 SLLSNLDEIKK                              |         |         |         |

|        |                     |                                               |          |         |         |
|--------|---------------------|-----------------------------------------------|----------|---------|---------|
|        |                     | 2918 EVFPTLAAK[134]                           |          |         |         |
|        |                     | 2919 SVNFDMTSK                                |          |         |         |
|        |                     | 2920 QSNNEANLREEVLK                           |          |         |         |
|        |                     | 2921 TSEVDLAK[134]PLVK[134]                   |          |         |         |
|        |                     | 2922 EPSAPSIPPPAYQSSPAAGHAAAPPTPAPR           |          |         |         |
|        |                     | 2923 FTDLFEK[134]                             |          |         |         |
| Q8C0Z1 | Q8C0Z1 ITFG3_MOUSE  | Protein ITFG3 - Mus musculus                  | 0.75972  | 0.07770 | 9.3694  |
|        |                     | 2924 HAAYVLLTGPASSDVPGLVSVTK                  |          |         |         |
|        |                     | 2925 WTLGEVQVLR                               |          |         |         |
|        |                     | 2926 VQDVLFLYK                                |          |         |         |
|        |                     | 2927 SQENPGNLPR                               |          |         |         |
| Q8R5L3 | Q8R5L3 VPS39_MOUSE  | Vam6/Vps39-like protein - Mus musculus        | -0.26708 | 0.50088 | 9.8194  |
|        |                     | 2928 LLQIIDTLLK                               |          |         |         |
|        |                     | 2929 LLQIIDTLLK[134]                          |          |         |         |
|        |                     | 2930 AINLLPANTQINDIR[162]                     |          |         |         |
|        |                     | 2931 QLEPLVAPLADGK                            |          |         |         |
|        |                     | 2932 SPVPAGEEGGELGEYR[162]                    |          |         |         |
|        |                     | 2933 IFTEDLPEVESLPR                           |          |         |         |
|        |                     | 2934 IFTEDLPEVESLPR[162]                      |          |         |         |
|        |                     | 2935 AINLLPANTQINDIR                          |          |         |         |
|        |                     | 2936 QLQYPNPLPTLSGAELEK                       |          |         |         |
|        |                     | 2937 QLEPLVAPLADGK[134]                       |          |         |         |
| Q60977 | Q60977 Q60977_MOUSE | Tumor-associated glycoprotein E4 - Mus musc   | -0.08031 | 0.83961 | 6.747   |
|        |                     | 2938 NTAEALEPSPTLILQDVAK[134]                 |          |         |         |
|        |                     | 2939 NTAEALEPSPTLILQDVAK                      |          |         |         |
|        |                     | 2940 LNMEPNSTR                                |          |         |         |
| P61979 | P61979 HNRPK_MOUSE  | Heterogeneous nuclear ribonucleoprotein K - I | -0.38272 | 0.33478 | 17.0626 |
|        |                     | 2941 NTDEMVELR                                |          |         |         |
|        |                     | 2942 NTDEMVELR[162]                           |          |         |         |
|        |                     | 2943 RPAEDMEEEQAFKR                           |          |         |         |
|        |                     | 2944 GSYGDLGGPIITTQVTIPK                      |          |         |         |



|        |                     |                                           |          |         |         |
|--------|---------------------|-------------------------------------------|----------|---------|---------|
|        |                     | 2945 GSYGDLGGPIITTQVTIPK[134]             |          |         |         |
|        |                     | 2946 TDYNASVSPDSSGPER                     |          |         |         |
|        |                     | 2947 NLPLPPPPPPR                          |          |         |         |
|        |                     | 2948 NLPLPPPPPPR[162]                     |          |         |         |
|        |                     | 2949 DLAGSIIGK[134]                       |          |         |         |
| Q91YT8 | Q91YT8 TM63A_MOUSE  | Transmembrane protein 63A - Mus musculus  | 0.63122  | 0.14270 | 8.4577  |
|        |                     | 2950 VQDQPLGMAFVTFR                       |          |         |         |
|        |                     | 2951 SLTYYTNLQAK                          |          |         |         |
|        |                     | 2952 QTLFITGLPR                           |          |         |         |
|        |                     | 2953 TALSPQQQTYGAIR[162]                  |          |         |         |
|        |                     | 2954 GSEAEAHVPPPFPTYVPR                   |          |         |         |
|        |                     | 2955 TALSPQQQTYGAIR                       |          |         |         |
| P70356 | P70356 P70356_MOUSE | Envelope protein - Mus musculus           | 0.24451  | 0.57017 | 5.3812  |
|        |                     | 2956 VPIGPNPVLSDR                         |          |         |         |
|        |                     | 2957 VPIGPNPVLSDR[162]                    |          |         |         |
|        |                     | 2958 LYVSGHDPGLIFGIR                      |          |         |         |
|        |                     | 2959 LYVSGHDPGLIFGIR[162]                 |          |         |         |
|        |                     | 2960 LKITDSGPR                            |          |         |         |
| P47713 | P47713 PA24A_MOUSE  | Cytosolic phospholipase A2 - Mus musculus | 0.06007  | 0.88907 | 4.8128  |
|        |                     | 2961 DVPVVAILGSGGGFR                      |          |         |         |
|        |                     | 2962 DVPVVAILGSGGGFR[162]                 |          |         |         |
|        |                     | 2963 YGTFMAPDLFGSK                        |          |         |         |
|        |                     | 2964 IYEPLDVK                             |          |         |         |
| P57780 | P57780 ACTN4_MOUSE  | Alpha-actinin-4 - Mus musculus            | -0.74729 | 0.05966 | 29.9342 |
|        |                     | 2965 ETTDTDTADQVIASFK                     |          |         |         |
|        |                     | 2966 ETTDTDTADQVIASFK[134]                |          |         |         |
|        |                     | 2967 KDDPVTNLNNAFEVAEK                    |          |         |         |
|        |                     | 2968 LSGSNPYTTVTPQIINSK                   |          |         |         |
|        |                     | 2969 LSGSNPYTTVTPQIINSK[134]              |          |         |         |
|        |                     | 2970 LVSIGAEIVDGNAK                       |          |         |         |
|        |                     | 2971 LVSIGAEIVDGNAK[134]                  |          |         |         |

2972 MAPYQGPDAAPGALDYK[134]  
2973 MLDAEDIVNTARPDEK  
2974 MLDAEDIVNTAR[162]PDEK[134]  
2975 QFASQANMVGPWQTK  
2976 QFASQANMVGPWQTK[134]  
2977 VLAVNQENEHLMEDYER[162]  
2978 AGTQIENIDEDFRDGLK  
2979 HRPELIEYDK  
2980 K[134]DDPVTNLNNAFEVAEK[134]  
2981 QLETIDQLHLEYAK  
2982 QLETIDQLHLEYAK[134]  
2983 VLAGDKNFITAEELR  
2984 VLAGDK[134]NFITAEELR[162]  
2985 VLAGDK[134]NFITAEELR[162]R[162]  
2986 MAPYQGPDAAPGALDYK  
2987 GISQEQMQEFR  
2988 GISQEQMQEFR[162]  
2989 SFSTALYGESDL  
2990 DYETATLSDIK[134]  
2991 HR[162]PELIEYDK[134]  
2992 DGLAFNALIHR[162]  
2993 VLAGDKNFITAEELRR  
2994 VQQLVPK[134]  
2995 DYETATLSDIK  
2996 DGLAFNALIHR  
2997 TIQEMQKQ  
2998 ASIHEAWTDGK[134]EAMLK[134]  
2999 TIQEMQKQ[134]  
3000 EAILAIHK  
3001 VQQLVPK  
3002 EAILAIHK[134]

|        |                    |                                             |          |         |         |
|--------|--------------------|---------------------------------------------|----------|---------|---------|
| P98078 | P98078 DAB2_MOUSE  | Disabled homolog 2 - Mus musculus           | 0.40190  | 0.35067 | 19.5822 |
|        |                    | 3003 GFSSSNPSVVSQPASSDPHR                   |          |         |         |
|        |                    | 3004 GFSSSNPSVVSQPASSDPHR[162]              |          |         |         |
|        |                    | 3005 KGETPPSGTSSAFSSYFNNK                   |          |         |         |
|        |                    | 3006 TGKPEAQGGPWPYPSSQTQQAVR                |          |         |         |
|        |                    | 3007 DLFQVIYNVK                             |          |         |         |
|        |                    | 3008 DLFQVIYNVK[134]                        |          |         |         |
|        |                    | 3009 SADNSLENPFSK                           |          |         |         |
|        |                    | 3010 SADNSLENPFSK[134]                      |          |         |         |
|        |                    | 3011 TGQQAEPVLDLK                           |          |         |         |
|        |                    | 3012 LIGDDVPDAR[162]                        |          |         |         |
|        |                    | 3013 LIGDDVPDAR                             |          |         |         |
|        |                    | 3014 DIPSDAFTGLDPLGDKEVK                    |          |         |         |
|        |                    | 3015 SSPNPFVGSPPK                           |          |         |         |
|        |                    | 3016 INEPPK[134]PAPR[162]                   |          |         |         |
| Q8BQ30 | Q8BQ30 PHTNS_MOUSE | Phostensin - Mus musculus                   | -0.12670 | 0.74949 | 12.2896 |
|        |                    | 3017 EVQDITSSEVETAEQRPTESWK                 |          |         |         |
|        |                    | 3018 LVIGGAQESSR                            |          |         |         |
|        |                    | 3019 LFYGVKPGPGVGAPR                        |          |         |         |
|        |                    | 3020 QSLIQLEATEWR[162]                      |          |         |         |
|        |                    | 3021 LSPGETPEESLR[162]                      |          |         |         |
| Q9D4H1 | Q9D4H1 EXOC2_MOUSE | Exocyst complex component 2 - Mus musculus  | 0.02693  | 0.95013 | 2.8139  |
|        |                    | 3022 ASNTADTLFQEVLR[162]                    |          |         |         |
|        |                    | 3023 ASNTADTLFQEVLR                         |          |         |         |
|        |                    | 3024 VVEAVSEELSR[162]                       |          |         |         |
|        |                    | 3025 VVEAVSEELSR                            |          |         |         |
| Q99KW9 | Q99KW9 TIP_MOUSE   | T-cell immunomodulatory protein precursor - | 0.18267  | 0.67143 | 11.1475 |
|        |                    | 3026 SGTGQWVPVLQDFS NK                      |          |         |         |
|        |                    | 3027 SGTGQWVPVLQDFS NK[134]                 |          |         |         |
|        |                    | 3028 NNFEADAYFVK                            |          |         |         |
|        |                    | 3029 NNFEADAYFVK[134]                       |          |         |         |

|        |                   |                                        |          |         |         |
|--------|-------------------|----------------------------------------|----------|---------|---------|
|        |                   | 3030 NDVAIHTLK                         |          |         |         |
|        |                   | 3031 SAIYLMR                           |          |         |         |
|        |                   | 3032 FHFDAM                            |          |         |         |
|        |                   | 3033 SANFLDHLFVGIPRPPGEK               |          |         |         |
|        |                   | 3034 SANFLDHLFVGIPR[162]PPGEK[134]     |          |         |         |
| P39053 | P39053 DYN1_MOUSE | Dynamin-1 - Mus musculus               | 0.29711  | 0.49024 | 3.2295  |
|        |                   | 3035 SSVLENFVGR                        |          |         |         |
|        |                   | 3036 SSVLENFVGR[162]                   |          |         |         |
|        |                   | 3037 GISVPINLR                         |          |         |         |
|        |                   | 3038 GYIGVVNR                          |          |         |         |
| Q08857 | Q08857 CD36_MOUSE | Platelet glycoprotein 4 - Mus musculus | -0.05672 | 0.88634 | 20.9746 |
|        |                   | 3039 EVVLEEGTTAFK[134]                 |          |         |         |
|        |                   | 3040 EVVLEEGTTAFK                      |          |         |         |
|        |                   | 3041 SSMFQTR[162]                      |          |         |         |
|        |                   | 3042 VAIIESYK[134]                     |          |         |         |
|        |                   | 3043 QFWIFDVQNPDDVAK                   |          |         |         |
|        |                   | 3044 QFWIFDVQNPDDVAK[134]              |          |         |         |
|        |                   | 3045 RLQVNILVKPAR                      |          |         |         |
|        |                   | 3046 GPYTYR[162]                       |          |         |         |
|        |                   | 3047 QR[162]GPYTYR[162]                |          |         |         |
|        |                   | 3048 VAIIESYK                          |          |         |         |
|        |                   | 3049 SIYAVFGSEIDLK                     |          |         |         |
|        |                   | 3050 TYLDVEPITGFTLQFAK                 |          |         |         |
|        |                   | 3051 TYLDVEPITGFTLQFAK[134]            |          |         |         |
|        |                   | 3052 R[162]LQVNILVK[134]PAR[162]       |          |         |         |
|        |                   | 3053 SIYAVFGSEIDLK[134]                |          |         |         |
|        |                   | 3054 VAIIESYK[134]GK[134]              |          |         |         |
|        |                   | 3055 SSMFQTR                           |          |         |         |
|        |                   | 3056 GPYTYR                            |          |         |         |
|        |                   | 3057 REVVLEEGTTAFK                     |          |         |         |
|        |                   | 3058 LQVNILVKPAR                       |          |         |         |

|        |                   |                                               |          |         |         |
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|        |                   | 3059 LQVNILVK[134]PAR[162]                    |          |         |         |
|        |                   | 3060 EVVLEEGTTAFKNWVK                         |          |         |         |
|        |                   | 3061 EVVLEEGTTAFK[134]NWVK[134]               |          |         |         |
| P56677 | P56677 ST14_MOUSE | Suppressor of tumorigenicity protein 14 - Mus | -0.22920 | 0.56351 | 8.4211  |
|        |                   | 3062 GDADSVLSLTFR[162]                        |          |         |         |
|        |                   | 3063 GDADSVLSLTFR                             |          |         |         |
|        |                   | 3064 FTTPGFPNSPYPAHAR                         |          |         |         |
|        |                   | 3065 HPGFEATFFQLPK                            |          |         |         |
|        |                   | 3066 EGGTGALILQK                              |          |         |         |
|        |                   | 3067 EGGTGALILQK[134]                         |          |         |         |
|        |                   | 3068 SASGVQELK                                |          |         |         |
|        |                   | 3069 FTTPGFPNSPYPAHAR[162]                    |          |         |         |
|        |                   | 3070 AIWVTGWGHTK[134]                         |          |         |         |
| P58252 | P58252 EF2_MOUSE  | Elongation factor 2 - Mus musculus            | 0.03794  | 0.92979 | 22.6107 |
|        |                   | 3071 GEGQLSAAER[162]                          |          |         |         |
|        |                   | 3072 GHVFEESQVAGTPMFVVK[134]                  |          |         |         |
|        |                   | 3073 VFDAIMNFR[162]                           |          |         |         |
|        |                   | 3074 VFSGVVSTGLK[134]                         |          |         |         |
|        |                   | 3075 YEWDVAEAR                                |          |         |         |
|        |                   | 3076 GHVFEESQVAGTPMFVVK                       |          |         |         |
|        |                   | 3077 LDSEDKDKEGKPLLK                          |          |         |         |
|        |                   | 3078 TGTITTFEHAHNMR[162]                      |          |         |         |
|        |                   | 3079 YLAEKYEWDVAEAR                           |          |         |         |
|        |                   | 3080 ARPFPDGLAEDIDKGEVSAR                     |          |         |         |
|        |                   | 3081 FSVSPVVR[162]                            |          |         |         |
|        |                   | 3082 GEGQLSAAER                               |          |         |         |
|        |                   | 3083 VFDAIMNFR                                |          |         |         |
|        |                   | 3084 VFSGVVSTGLK                              |          |         |         |
|        |                   | 3085 YEWDVAEAR[162]                           |          |         |         |
|        |                   | 3086 KEDLYLKPIQR                              |          |         |         |
|        |                   | 3087 IKPVLMMNK                                |          |         |         |

|        |                   |                                               |          |         |         |
|--------|-------------------|-----------------------------------------------|----------|---------|---------|
|        |                   | 3088 TGTITTFEHAHNMR                           |          |         |         |
|        |                   | 3089 GPLMMYISK[134]                           |          |         |         |
|        |                   | 3090 NPADLPK                                  |          |         |         |
|        |                   | 3091 NPADLPK[134]                             |          |         |         |
|        |                   | 3092 IK[134]PVLMMNK[134]                      |          |         |         |
|        |                   | 3093 QFAEMYVAK                                |          |         |         |
|        |                   | 3094 FSVSPVVR                                 |          |         |         |
|        |                   | 3095 QFAEMYVAK[134]                           |          |         |         |
|        |                   | 3096 SDPVVSYR                                 |          |         |         |
|        |                   | 3097 SDPVVSYR[162]                            |          |         |         |
|        |                   | 3098 IMGPNYTPGK                               |          |         |         |
|        |                   | 3099 NMSVIAHVDHGK                             |          |         |         |
|        |                   | 3100 GPLMMYISK                                |          |         |         |
| Q01853 | Q01853 TERA_MOUSE | Transitional endoplasmic reticulum ATPase - N | -0.15159 | 0.70244 | 17.7419 |
|        |                   | 3101 LDQLIYIPLPEK                             |          |         |         |
|        |                   | 3102 LDQLIYIPLPEK[134]                        |          |         |         |
|        |                   | 3103 VINQILTEMDGMSTK                          |          |         |         |
|        |                   | 3104 VINQILTEMDGMSTK[134]                     |          |         |         |
|        |                   | 3105 K[134]GDIFLVR[162]                       |          |         |         |
|        |                   | 3106 LAGESESNLR[162]                          |          |         |         |
|        |                   | 3107 WALSQSNPSALR                             |          |         |         |
|        |                   | 3108 WALSQSNPSALR[162]                        |          |         |         |
|        |                   | 3109 MDELQLFR[162]                            |          |         |         |
|        |                   | 3110 EVDIGIPDATGR                             |          |         |         |
|        |                   | 3111 MDELQLFR                                 |          |         |         |
|        |                   | 3112 QTNPSAMEVEEDDPVPEIRR                     |          |         |         |
|        |                   | 3113 KGDIFLVR                                 |          |         |         |
|        |                   | 3114 KYEMFAQTLQQSR                            |          |         |         |
|        |                   | 3115 EVDIGIPDATGR[162]                        |          |         |         |
|        |                   | 3116 LEILQIHTK                                |          |         |         |
|        |                   | 3117 LAGESESNLR                               |          |         |         |

|        |                     |                                              |          |         |         |
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|        |                     | 3118 LEILQIHTK[134]                          |          |         |         |
|        |                     | 3119 GDIFLVR                                 |          |         |         |
|        |                     | 3120 ESIESEIRR                               |          |         |         |
|        |                     | 3121 EMVELPLRHPALFK                          |          |         |         |
| Q60790 | Q60790 RASA3_MOUSE  | Ras GTPase-activating protein 3 - Mus muscul | -0.05268 | 0.89439 | 14.1487 |
|        |                     | 3122 NFLDLISSSGR[162]                        |          |         |         |
|        |                     | 3123 FGDEFLGELR[162]                         |          |         |         |
|        |                     | 3124 NMFQVIQPER[162]                         |          |         |         |
|        |                     | 3125 NFLDLISSSGR                             |          |         |         |
|        |                     | 3126 TIQTLGSLSK[134]                         |          |         |         |
|        |                     | 3127 SLKPDDLGLSLR                            |          |         |         |
|        |                     | 3128 TQDPNTIFR                               |          |         |         |
|        |                     | 3129 TIQTLGSLSK                              |          |         |         |
|        |                     | 3130 NMFQVIQPER                              |          |         |         |
|        |                     | 3131 DKQEAAIPLVR                             |          |         |         |
|        |                     | 3132 TQDPNTIFR[162]                          |          |         |         |
|        |                     | 3133 SLK[134]PDDLGLSLR[162]                  |          |         |         |
|        |                     | 3134 SIEQPILLK                               |          |         |         |
|        |                     | 3135 QVIAGVGTLEQEHAQYR                       |          |         |         |
|        |                     | 3136 SIEQPILLK[134]                          |          |         |         |
|        |                     | 3137 NLPSYPGPNK                              |          |         |         |
|        |                     | 3138 QQSEISTHSI                              |          |         |         |
| Q8BVF6 | Q8BVF6 Q8BVF6_MOUSE | 10 days neonate cerebellum cDNA, RIKEN full- | -0.10155 | 0.79800 | 15.9314 |
|        |                     | 3139 EMKEPGSQPGTTTTSYLSMVPSR                 |          |         |         |
|        |                     | 3140 FLAAQQDLR[162]                          |          |         |         |
|        |                     | 3141 FLAAQQDLR                               |          |         |         |
|        |                     | 3142 DSGGSHALVAVFHPK[134]                    |          |         |         |
|        |                     | 3143 DSGGSHALVAVFHPK                         |          |         |         |
|        |                     | 3144 EMK[134]EPGSQPGTTTTSYLSMVPSR[162]       |          |         |         |
|        |                     | 3145 KGPNIKEPER                              |          |         |         |
|        |                     | 3146 STNAWLK                                 |          |         |         |

|        |                    |                                              |          |         |         |
|--------|--------------------|----------------------------------------------|----------|---------|---------|
| Q8R1F1 | Q8R1F1 NIBL_MOUSE  | Niban-like protein - Mus musculus            | -0.24904 | 0.53025 | 4.1389  |
|        |                    | 3147 VEGPAFTDAIR[162]                        |          |         |         |
|        |                    | 3148 VEGPAFTDAIR                             |          |         |         |
|        |                    | 3149 LSQLAYHPLK                              |          |         |         |
|        |                    | 3150 TDMDQIITSK                              |          |         |         |
| Q91ZV7 | Q91ZV7 PXDC1_MOUSE | Plexin domain-containing protein 1 precursor | 0.67760  | 0.11560 | 12.4    |
|        |                    | 3151 EIPMAVLDISSAQHPVK                       |          |         |         |
|        |                    | 3152 EIPMAVLDISSAQHPVK[134]                  |          |         |         |
|        |                    | 3153 ESPAQVLKPGK                             |          |         |         |
|        |                    | 3154 VVEDNHNYYVSR                            |          |         |         |
|        |                    | 3155 AGLSDAFMILNSSPEVPESQRR                  |          |         |         |
| Q9WV27 | Q9WV27 AT1A4_MOUSE | Sodium/potassium-transporting ATPase subun   | 0.02882  | 0.94665 | 1.6473  |
|        |                    | 3156 KADIGIAMGITGSDVSK                       |          |         |         |
|        |                    | 3157 ADIGIAMGITGSDVSK[134]                   |          |         |         |
|        |                    | 3158 ADIGIAMGITGSDVSK                        |          |         |         |
| Q3TZZ7 | Q3TZZ7 ESYT2_MOUSE | Extended synaptotagmin-2 - Mus musculus      | 0.43858  | 0.30846 | 12.5444 |
|        |                    | 3159 ALALLEDEEQAVR                           |          |         |         |
|        |                    | 3160 FQLSNSGPNSTLK                           |          |         |         |
|        |                    | 3161 ALALLEDEEQAVR[162]                      |          |         |         |
|        |                    | 3162 IPLSQLLTSDNMTINQR                       |          |         |         |
|        |                    | 3163 IPLSQLLTSDNMTINQR[162]                  |          |         |         |
|        |                    | 3164 NLIAFSEDGSDPYVR                         |          |         |         |
|        |                    | 3165 NLIAFSEDGSDPYVR[162]                    |          |         |         |
|        |                    | 3166 SSSSLLASPSHIAAK                         |          |         |         |
|        |                    | 3167 FQLSNSGPNSTLK[134]                      |          |         |         |
|        |                    | 3168 ITVPLVSEVQIAQLR                         |          |         |         |
|        |                    | 3169 VGNQIFQSK                               |          |         |         |
|        |                    | 3170 VGNQIFQSK[134]                          |          |         |         |
|        |                    | 3171 VDVGGQQLR                               |          |         |         |
| P35564 | P35564 CALX_MOUSE  | Calnexin precursor - Mus musculus            | 0.16229  | 0.70628 | 39.2555 |
|        |                    | 3172 GSLSGWILSK                              |          |         |         |



3173 GSLSGWILSK[134]  
3174 APVPTGEVYFADSFDR  
3175 APVPTGEVYFADSFDR[162]  
3176 IADPDAVKPDDWDEDAPSK  
3177 LPGDK[134]GLVLMSR[162]  
3178 TAELSLDQFHDK  
3179 TAELSLDQFHDK[134]  
3180 TPYTIMFGPDK  
3181 TPYTIMFGPDK[134]  
3182 VVDDWANDGWGLK  
3183 VVDDWANDGWGLKK  
3184 VVDDWANDGWGLK[134]  
3185 VVDDWANDGWGLK[134]K[134]  
3186 EIEDPEDRKPEDWDERPK  
3187 KDDTDDEIAKYDGK  
3188 KPEDWDERPK  
3189 K[134]IPNPDDFFEDLEPFK[134]  
3190 RVVDDWANDGWGLKK  
3191 TDAPQPDVKDEEGKEEEK  
3192 TDAPQPDVK[134]DEEGK[134]EEEEK[134]  
3193 YDGKWEVDEMKETK  
3194 YDGK[134]WEVDEM[134]ETK[134]  
3195 SDASTPPSPK  
3196 IADPDAVK[134]PDDWDEDAPSK[134]  
3197 LPGDKGLVLMSR  
3198 R[162]VVDDWANDGWGLK[134]K[134]  
3199 VTYKAPVPTGEVYFADSFDR  
3200 EIEDPEDR  
3201 KIPNPDDFFEDLEPFK  
3202 WEVDEMKETK  
3203 SDASTPPSPK[134]

|        |                    |                                         |         |         |        |
|--------|--------------------|-----------------------------------------|---------|---------|--------|
|        |                    | 3204 AEDEILNR                           |         |         |        |
|        |                    | 3205 K[134]PEDWDER[162]PK[134]          |         |         |        |
|        |                    | 3206 QSNAMEYK                           |         |         |        |
|        |                    | 3207 TYFTDK[134]K[134]                  |         |         |        |
|        |                    | 3208 AEDEILNR[162]                      |         |         |        |
|        |                    | 3209 TAELSLDQFHDKTPYTIMFGPDK            |         |         |        |
|        |                    | 3210 TYFTDKK                            |         |         |        |
|        |                    | 3211 WKPPMIDNPNYQGIWKPR                 |         |         |        |
|        |                    | 3212 GLVLMSR[162]                       |         |         |        |
|        |                    | 3213 EIEDPEDR[162]                      |         |         |        |
|        |                    | 3214 LHFIFR[162]                        |         |         |        |
|        |                    | 3215 VVDDWANDGWGLKK[134]                |         |         |        |
|        |                    | 3216 LHFIFR                             |         |         |        |
|        |                    | 3217 GLVLMSR                            |         |         |        |
|        |                    | 3218 IPNPDDFEDLEPFK[134]                |         |         |        |
|        |                    | 3219 TAELSLDQFHDK[134]TPYTIMFGPDK[134]  |         |         |        |
|        |                    | 3220 VTYK[134]APVPTGEVYFADSFDR[162]     |         |         |        |
|        |                    | 3221 IPNPDDFEDLEPFK                     |         |         |        |
|        |                    | 3222 K[134]IPNPDDFEDLEPFK               |         |         |        |
|        |                    | 3223 WK[134]PPMIDNPNYQGIWK[134]PR[162]  |         |         |        |
| O35114 | O35114 SCRB2_MOUSE | Lysosome membrane protein 2 - Mus muscu | 0.17050 | 0.69215 | 25.523 |
|        |                    | 3224 KLDDFVETGDIR                       |         |         |        |
|        |                    | 3225 FQINTYVR                           |         |         |        |
|        |                    | 3226 RFQINTYVR                          |         |         |        |
|        |                    | 3227 K[134]LDDFVETGDIR[162]             |         |         |        |
|        |                    | 3228 FQINTYVR[162]                      |         |         |        |
|        |                    | 3229 R[162]FQINTYVR[162]                |         |         |        |
|        |                    | 3230 GMHPNKEEHESFVDINPLTGILR            |         |         |        |
|        |                    | 3231 NGAPIIMSFPHFYQADEK                 |         |         |        |
|        |                    | 3232 SVHITFSSFENVEGLPAFR                |         |         |        |
|        |                    | 3233 SVHITFSSFENVEGLPAFR[162]           |         |         |        |

|        |                   |                                |         |         |         |
|--------|-------------------|--------------------------------|---------|---------|---------|
|        |                   | 3234 LDDFVETGDIR               |         |         |         |
|        |                   | 3235 LDDFVETGDIR[162]          |         |         |         |
|        |                   | 3236 NQSVGDPNVDLIR[162]        |         |         |         |
|        |                   | 3237 AVDQTIEK[134]             |         |         |         |
|        |                   | 3238 AVDQTIEK                  |         |         |         |
|        |                   | 3239 NQSVGDPNVDLIR             |         |         |         |
|        |                   | 3240 NGAPIIMSFPHFYQADEK[134]   |         |         |         |
|        |                   | 3241 IVEWNGK                   |         |         |         |
|        |                   | 3242 IVEWNGK[134]              |         |         |         |
|        |                   | 3243 APLIRT                    |         |         |         |
|        |                   | 3244 KLDDFVETGDIR[162]         |         |         |         |
|        |                   | 3245 AYVFER[162]               |         |         |         |
| O88398 | O88398 AVIL_MOUSE | Advillin - Mus musculus        | 0.06432 | 0.88126 | 26.2515 |
|        |                   | 3246 EVQYHESDTFR               |         |         |         |
|        |                   | 3247 GYPSTNVETVNDGAESAMFK      |         |         |         |
|        |                   | 3248 GYPSTNVETVNDGAESAMFK[134] |         |         |         |
|        |                   | 3249 NATLYLNPSDGEPK            |         |         |         |
|        |                   | 3250 SYEQLKNELGDATAIVR         |         |         |         |
|        |                   | 3251 TQAEHYLWYGK               |         |         |         |
|        |                   | 3252 KGALSTAQEYLVTHPSGR        |         |         |         |
|        |                   | 3253 EVQYHESDTFR[162]          |         |         |         |
|        |                   | 3254 HVETNTYDVK                |         |         |         |
|        |                   | 3255 LQQETLDVQVR               |         |         |         |
|        |                   | 3256 LQQETLDVQVR[162]          |         |         |         |
|        |                   | 3257 LVIYEGGTSR                |         |         |         |
|        |                   | 3258 LVIYEGGTSR[162]           |         |         |         |
|        |                   | 3259 NATLYLNPSDGEPK[134]       |         |         |         |
|        |                   | 3260 SMIKPAVSDEIMDQQQK         |         |         |         |
|        |                   | 3261 TQAEHYLWYGK[134]          |         |         |         |
|        |                   | 3262 DPDTPILIK                 |         |         |         |
|        |                   | 3263 GQFTALPGWK                |         |         |         |

|        |                    |                                                |          |         |         |
|--------|--------------------|------------------------------------------------|----------|---------|---------|
|        |                    | 3264 GQFTALPGWK[134]                           |          |         |         |
|        |                    | 3265 NELGDATAIVR[162]                          |          |         |         |
|        |                    | 3266 MVDDGKGQVEVWR                             |          |         |         |
|        |                    | 3267 HFMAIFK[134]                              |          |         |         |
|        |                    | 3268 GQNQELPEDVDPACK                           |          |         |         |
|        |                    | 3269 HFMAIFK                                   |          |         |         |
|        |                    | 3270 GALSTAQEYLVTHPSGR                         |          |         |         |
|        |                    | 3271 GALSTAQEYLVTHPSGR[162]                    |          |         |         |
|        |                    | 3272 KGNEEPDPPVR                               |          |         |         |
|        |                    | 3273 MVDDGK[134]GQVEVWR[162]                   |          |         |         |
|        |                    | 3274 DPDTPILIIK[134]                           |          |         |         |
|        |                    | 3275 HVETNTYDVK[134]                           |          |         |         |
|        |                    | 3276 SYEQLK[134]NELGDATAIVR[162]               |          |         |         |
|        |                    | 3277 DELAASAYR                                 |          |         |         |
| O88502 | O88502 PDE8A_MOUSE | High affinity cAMP-specific and IBMX-insensiti | 0.34018  | 0.42956 | 8.2625  |
|        |                    | 3278 FSGNEYILATK[134]                          |          |         |         |
|        |                    | 3279 WSTAPGLVEPQPR                             |          |         |         |
|        |                    | 3280 WSTAPGLVEPQPR[162]                        |          |         |         |
|        |                    | 3281 FSGNEYILATK                               |          |         |         |
|        |                    | 3282 VSVADVQFGPMR[162]                         |          |         |         |
|        |                    | 3283 VSVADVQFGPMR                              |          |         |         |
|        |                    | 3284 ELAQVPINEK                                |          |         |         |
|        |                    | 3285 ELAQVPINEK[134]                           |          |         |         |
|        |                    | 3286 VINIINAAQENSPVPVTEALNR                    |          |         |         |
| Q08509 | Q08509 EPS8_MOUSE  | Epidermal growth factor receptor kinase subst  | -0.26949 | 0.49702 | 23.0207 |
|        |                    | 3287 APAPVPPGTVTQVDVR[162]                     |          |         |         |
|        |                    | 3288 ANLISEDIESAISDSK                          |          |         |         |
|        |                    | 3289 ANLISEDIESAISDSK[134]                     |          |         |         |
|        |                    | 3290 APAPVPPGTVTQVDVR                          |          |         |         |
|        |                    | 3291 VFNQITVQK[134]                            |          |         |         |
|        |                    | 3292 DTVDFLNYTATAEER                           |          |         |         |

|        |                   |      |                                              |          |         |         |
|--------|-------------------|------|----------------------------------------------|----------|---------|---------|
|        |                   | 3293 | DTVDFLNYTATAEER[162]                         |          |         |         |
|        |                   | 3294 | NASGDSGFVPNNILDIMR                           |          |         |         |
|        |                   | 3295 | NASGDSGFVPNNILDIMR[162]                      |          |         |         |
|        |                   | 3296 | QNPVVINITYDSSPEEVK                           |          |         |         |
|        |                   | 3297 | SQMEEVQDELQFQR[162]                          |          |         |         |
|        |                   | 3298 | VAAWSAWAADQGDFEKPR                           |          |         |         |
|        |                   | 3299 | AALEDSNGSSELQEIMR[162]                       |          |         |         |
|        |                   | 3300 | SQMEEVQDELQFQR                               |          |         |         |
|        |                   | 3301 | GPHADHGEAAMPFK                               |          |         |         |
|        |                   | 3302 | QYHEQEETPEMMAAR                              |          |         |         |
|        |                   | 3303 | VAAWSAWAADQGDFEK[134]PR[162]                 |          |         |         |
|        |                   | 3304 | VFNQITVQK                                    |          |         |         |
|        |                   | 3305 | AAEAFSELSK[134]                              |          |         |         |
|        |                   | 3306 | AAEAFSELSK                                   |          |         |         |
|        |                   | 3307 | EQFIPPYVPR[162]                              |          |         |         |
| Q80UM7 | Q80UM7 GCS1_MOUSE |      | Mannosyl-oligosaccharide glucosidase - Mus n | -0.34477 | 0.38490 | 21.5827 |
|        |                   | 3308 | LGPLLDVLADSR                                 |          |         |         |
|        |                   | 3309 | LGPLLDVLADSR[162]                            |          |         |         |
|        |                   | 3310 | DLALPTLLNPK                                  |          |         |         |
|        |                   | 3311 | GPSGQGQFLIQQVTLK[134]                        |          |         |         |
|        |                   | 3312 | LVGSQLTQALESHAAAFK[134]                      |          |         |         |
|        |                   | 3313 | TLPSGLDDYPR                                  |          |         |         |
|        |                   | 3314 | VPPEFLVQR                                    |          |         |         |
|        |                   | 3315 | GPSGQGQFLIQQVTLK                             |          |         |         |
|        |                   | 3316 | LVGSQLTQALESHAAAFK                           |          |         |         |
|        |                   | 3317 | SISGHTSELGDFR                                |          |         |         |
|        |                   | 3318 | LTLPPPTSPGDTVPK                              |          |         |         |
|        |                   | 3319 | SPKPLLTGLMWAQQGATPGTPPK                      |          |         |         |
|        |                   | 3320 | TLPSGLDDYPR[162]                             |          |         |         |
|        |                   | 3321 | GFLWDEGFHQLVVQR[162]                         |          |         |         |
|        |                   | 3322 | DLALPTLLNPK[134]                             |          |         |         |

|        |                    |                                                |          |         |         |
|--------|--------------------|------------------------------------------------|----------|---------|---------|
|        |                    | 3323 SLSASSLFYK[134]                           |          |         |         |
|        |                    | 3324 MDPALFPPVPLFSGVPSR[162]                   |          |         |         |
|        |                    | 3325 SLSASSLFYK                                |          |         |         |
|        |                    | 3326 EQILGDEAR                                 |          |         |         |
|        |                    | 3327 MDPALFPPVPLFSGVPSR                        |          |         |         |
|        |                    | 3328 LTLLPPTSPGDTVPK[134]                      |          |         |         |
| Q8BG67 | Q8BG67 EFR3A_MOUSE | Protein EFR3 homolog A - Mus musculus          | 0.09504  | 0.82532 | 22.9548 |
|        |                    | 3329 IAESLGSGYSVER                             |          |         |         |
|        |                    | 3330 IVPSLLFNMQK                               |          |         |         |
|        |                    | 3331 IVPSLLFNMQK[134]                          |          |         |         |
|        |                    | 3332 IAESLGSGYSVER[162]                        |          |         |         |
|        |                    | 3333 IGAYLAER[162]                             |          |         |         |
|        |                    | 3334 LQVLGTNSFVK                               |          |         |         |
|        |                    | 3335 LVDNIFPEDPKDGLVK                          |          |         |         |
|        |                    | 3336 LQVLGTNSFVK[134]                          |          |         |         |
|        |                    | 3337 IGAYLAER                                  |          |         |         |
|        |                    | 3338 NLYFLTNIK                                 |          |         |         |
|        |                    | 3339 VPVFGTSTHTLDISQLGDLGTR                    |          |         |         |
|        |                    | 3340 IVQNAVIQTIGFFGSNLPDYQR                    |          |         |         |
|        |                    | 3341 TMEAPYFLPEHIFR                            |          |         |         |
|        |                    | 3342 FANIEEDTPSYHR                             |          |         |         |
|        |                    | 3343 LTFYAVSAPEK                               |          |         |         |
|        |                    | 3344 TMEAPYFLPEHIFR[162]                       |          |         |         |
|        |                    | 3345 RYDFFVSR                                  |          |         |         |
|        |                    | 3346 FANIEEDTPSYHR[162]                        |          |         |         |
|        |                    | 3347 LTFYAVSAPEKLDR                            |          |         |         |
|        |                    | 3348 LTPYVPQVTDEDR                             |          |         |         |
|        |                    | 3349 SLLMVTSGYK[134]                           |          |         |         |
|        |                    | 3350 NLYFLTNIK[134]                            |          |         |         |
|        |                    | 3351 HDKNLYFLTNIK                              |          |         |         |
| Q920Q4 | Q920Q4 VPS16_MOUSE | Vacuolar protein sorting-associated protein 16 | -0.20664 | 0.60252 | 11.7998 |

|        |                   |      |                                               |          |         |         |
|--------|-------------------|------|-----------------------------------------------|----------|---------|---------|
|        |                   | 3352 | IASMAPGALLLEAQK                               |          |         |         |
|        |                   | 3353 | IASMAPGALLLEAQK[134]                          |          |         |         |
|        |                   | 3354 | LGDTPGVSYSDIAAR                               |          |         |         |
|        |                   | 3355 | LGDTPGVSYSDIAAR[162]                          |          |         |         |
|        |                   | 3356 | VAALQTAADAFYK                                 |          |         |         |
|        |                   | 3357 | VAALQTAADAFYK[134]                            |          |         |         |
|        |                   | 3358 | R[162]LEDELGGR[162]                           |          |         |         |
|        |                   | 3359 | SGEQVPLLLK[134]                               |          |         |         |
|        |                   | 3360 | FTLSANVGDLK[134]                              |          |         |         |
|        |                   | 3361 | SGEQVPLLLK                                    |          |         |         |
|        |                   | 3362 | NQPMALSLYR[162]                               |          |         |         |
|        |                   | 3363 | AVVVAWER                                      |          |         |         |
|        |                   | 3364 | GDFFMTLR[162]                                 |          |         |         |
| Q9QUN7 | Q9QUN7 TLR2_MOUSE |      | Toll-like receptor 2 precursor - Mus musculus | -0.23428 | 0.55490 | 26.4031 |
|        |                   | 3365 | GSVLTDESFNELLK                                |          |         |         |
|        |                   | 3366 | GSVLTDESFNELLK[134]                           |          |         |         |
|        |                   | 3367 | SFTSIPSGLTAAMK[134]                           |          |         |         |
|        |                   | 3368 | IGNVETFSEIR[162]                              |          |         |         |
|        |                   | 3369 | FQFSPLPVDEVSSPMK[134]                         |          |         |         |
|        |                   | 3370 | FQFSPLPVDEVSSPMKK                             |          |         |         |
|        |                   | 3371 | FQFSPLPVDEVSSPMK                              |          |         |         |
|        |                   | 3372 | IGNVETFSEIR                                   |          |         |         |
|        |                   | 3373 | TLPDASLFPVLLVMK                               |          |         |         |
|        |                   | 3374 | TVFVLSNFVR                                    |          |         |         |
|        |                   | 3375 | TVFVLSNFVR[162]                               |          |         |         |
|        |                   | 3376 | FQFSPLPVDEVSSPMK[134]K[134]                   |          |         |         |
|        |                   | 3377 | SFTSIPSGLTAAMK                                |          |         |         |
|        |                   | 3378 | TGEILLTLK[134]                                |          |         |         |
|        |                   | 3379 | TGEILLTLK                                     |          |         |         |
|        |                   | 3380 | SLDLSFNK[134]                                 |          |         |         |
|        |                   | 3381 | LQELYISR[162]                                 |          |         |         |

|        |                    |                                                |         |         |         |
|--------|--------------------|------------------------------------------------|---------|---------|---------|
|        |                    | 3382 IRENAVSTFSK                               |         |         |         |
|        |                    | 3383 DQLGSFPK[134]                             |         |         |         |
|        |                    | 3384 IGVNVEFSEIR[162]R[162]                    |         |         |         |
|        |                    | 3385 IDFAGLTSLELEIK                            |         |         |         |
|        |                    | 3386 LFDENNDAAILVLEPIER                        |         |         |         |
|        |                    | 3387 GAWPSLQTLVLSQNHRL                         |         |         |         |
|        |                    | 3388 WIIDNIIDSIEK                              |         |         |         |
|        |                    | 3389 TLPDASLFPVLLVMK[134]                      |         |         |         |
|        |                    | 3390 RIDFAGLTSLELEIK                           |         |         |         |
|        |                    | 3391 YELDFSHFR                                 |         |         |         |
|        |                    | 3392 LQELYISR                                  |         |         |         |
|        |                    | 3393 IGVNVEFSEIRR                              |         |         |         |
|        |                    | 3394 NYQSQSLK                                  |         |         |         |
|        |                    | 3395 IR[162]ENAVSTFSK[134]                     |         |         |         |
|        |                    | 3396 DQLGSFPK                                  |         |         |         |
| Q9WTR1 | Q9WTR1 TRPV2_MOUSE | Transient receptor potential cation channel su | 0.13541 | 0.75318 | 15.4762 |
|        |                    | 3397 TLPTLSEDPSGAGITGYK[134]                   |         |         |         |
|        |                    | 3398 NSASEEDHLPLQVLQSH                         |         |         |         |
|        |                    | 3399 TLPTLSEDPSGAGITGYK                        |         |         |         |
|        |                    | 3400 YLTDSAYTEGSTGK                            |         |         |         |
|        |                    | 3401 EFSGLYQPLSR                               |         |         |         |
|        |                    | 3402 VEEVNWAAWEK                               |         |         |         |
|        |                    | 3403 YLTDSAYTEGSTGK[134]                       |         |         |         |
|        |                    | 3404 VSLYDLSSVDSWEK                            |         |         |         |
|        |                    | 3405 EFSGLYQPLSR[162]                          |         |         |         |
|        |                    | 3406 MVVLEPLNK                                 |         |         |         |
|        |                    | 3407 LFSVVSRL[162]                             |         |         |         |
|        |                    | 3408 LFSVVSRL                                  |         |         |         |
|        |                    | 3409 LETSDGDEEGSAEVNK                          |         |         |         |
|        |                    | 3410 MVVLEPLNK[134]                            |         |         |         |
| Q9JLZ8 | Q9JLZ8 SIGIR_MOUSE | Single Ig IL-1-related receptor - Mus musculus | 1.31016 | 0.00235 | 7.824   |



|        |                     |                                                |          |         |        |
|--------|---------------------|------------------------------------------------|----------|---------|--------|
|        |                     | 3411 GPVFGEPPTPLQETR                           |          |         |        |
|        |                     | 3412 GMESELDPDPEGDLGVR                         |          |         |        |
|        |                     | 3413 GPVFGEPPTPLQETR[162]                      |          |         |        |
| A6H5Z3 | A6H5Z3 A6H5Z3_MOUSE | Exoc6b protein - Mus musculus                  | -0.05816 | 0.88346 | 7.4074 |
|        |                     | 3414 NLDNIVLQQPR                               |          |         |        |
|        |                     | 3415 VNPVTALTLEK[134]                          |          |         |        |
|        |                     | 3416 VNPVTALTLEK                               |          |         |        |
|        |                     | 3417 NLDNIVLQQPR[162]                          |          |         |        |
|        |                     | 3418 VVGQFPFDIELEK                             |          |         |        |
|        |                     | 3419 STFAVFTHLP GK                             |          |         |        |
|        |                     | 3420 TLSNSLQNVIK                               |          |         |        |
| P10404 | P10404 ENV1_MOUSE   | MLV-related proviral Env polyprotein precursor | -0.14134 | 0.72169 | 5.1482 |
|        |                     | 3421 SLTSLSEVVLQNR[162]                        |          |         |        |
|        |                     | 3422 GLDLLFLK                                  |          |         |        |
|        |                     | 3423 SLTSLSEVVLQNR                             |          |         |        |
|        |                     | 3424 GLDLLFLK[134]                             |          |         |        |
|        |                     | 3425 SLTSLSEVVLQNR                             |          |         |        |
|        |                     | 3426 SIDPEEVESRE                               |          |         |        |
| P70168 | P70168 IMB1_MOUSE   | Importin subunit beta-1 - Mus musculus         | -0.16238 | 0.68238 | 8.9041 |
|        |                     | 3427 LAATNALLNSLEFTK                           |          |         |        |
|        |                     | 3428 LAATNALLNSLEFTK[134]                      |          |         |        |
|        |                     | 3429 VLANPGNSQVAR                              |          |         |        |
|        |                     | 3430 SSAYESLMEIVK                              |          |         |        |
|        |                     | 3431 LLETTDRPDGHQNNLR                          |          |         |        |
|        |                     | 3432 WLAI DANAR                                |          |         |        |
|        |                     | 3433 VLANPGNSQVAR[162]                         |          |         |        |
|        |                     | 3434 TVSPDRLELEAAQK                            |          |         |        |
| Q9Z2G6 | Q9Z2G6 SE1L1_MOUSE  | Protein sel-1 homolog 1 precursor - Mus musc   | 0.45435  | 0.29139 | 6.962  |
|        |                     | 3435 AADMGNPVGQSGLG MAYLYGR                    |          |         |        |
|        |                     | 3436 QMQEAEMIYQAGMK                            |          |         |        |
|        |                     | 3437 LVANHVASDISLTGGSVVQR                      |          |         |        |

|        |                    |                                             |          |         |         |
|--------|--------------------|---------------------------------------------|----------|---------|---------|
| P07901 | P07901 HS90A_MOUSE | 3438 LVANHVASDISLTGGSVVQR[162]              |          |         |         |
|        |                    | Heat shock protein HSP 90-alpha - Mus muscu | -0.05423 | 0.89130 | 28.9222 |
|        |                    | 3439 ADLINNLGTIAK                           |          |         |         |
|        |                    | 3440 ADLINNLGTIAK[134]                      |          |         |         |
|        |                    | 3441 ELISNSSDALDK[134]IR[162]               |          |         |         |
|        |                    | 3442 NPDDITNEEYGEFYK                        |          |         |         |
|        |                    | 3443 NPDDITNEEYGEFYK[134]                   |          |         |         |
|        |                    | 3444 SLTNDWEEHLAVK[134]                     |          |         |         |
|        |                    | 3445 HLEINPDHSIIETLR[162]                   |          |         |         |
|        |                    | 3446 VILHLKEDQTEYLEER                       |          |         |         |
|        |                    | 3447 VILHLK[134]EDQTEYLEER[162]             |          |         |         |
|        |                    | 3448 HLEINPDHSIIETLR                        |          |         |         |
|        |                    | 3449 DQVANSAFVER[162]                       |          |         |         |
|        |                    | 3450 HSQFIGYPITLFVEK[134]                   |          |         |         |
|        |                    | 3451 HSQFIGYPITLFVEK                        |          |         |         |
|        |                    | 3452 HIYFITGETK[134]                        |          |         |         |
|        |                    | 3453 HIYFITGETK                             |          |         |         |
|        |                    | 3454 R[162]APFDLFENR[162]                   |          |         |         |
|        |                    | 3455 YIDQEELNK[134]                         |          |         |         |
|        |                    | 3456 RAPFDLFENR                             |          |         |         |
|        |                    | 3457 DNSTMGYMAAK                            |          |         |         |
|        |                    | 3458 YIDQEELNK                              |          |         |         |
|        |                    | 3459 FYEQFSK[134]                           |          |         |         |
|        |                    | 3460 DQVANSAFVER                            |          |         |         |
|        |                    | 3461 FYEQFSK                                |          |         |         |
|        |                    | 3462 K[134]HLEINPDHSIIETLR[162]             |          |         |         |
|        |                    | 3463 ELISNSSDALDK[134]                      |          |         |         |
|        |                    | 3464 ELISNSSDALDK                           |          |         |         |
|        |                    | 3465 EDQTEYLEER                             |          |         |         |
|        |                    | 3466 SLTNDWEEHLAVK                          |          |         |         |
|        |                    | 3467 KHLEINPDHSIIETLR                       |          |         |         |

|        |                    |      |                                              |          |         |         |
|--------|--------------------|------|----------------------------------------------|----------|---------|---------|
|        |                    | 3468 | YESLTDPSKLDSGK                               |          |         |         |
|        |                    | 3469 | ALLFVPR[162]                                 |          |         |         |
|        |                    | 3470 | YESLTDPSK[134]LDSGK[134]                     |          |         |         |
|        |                    | 3471 | EDQTEYLEER[162]                              |          |         |         |
|        |                    | 3472 | HFSVEGQLEFR                                  |          |         |         |
|        |                    | 3473 | YESLTDPSK[134]                               |          |         |         |
|        |                    | 3474 | EGLELPEDEEEKKK                               |          |         |         |
|        |                    | 3475 | EGLELPEDEEEK                                 |          |         |         |
|        |                    | 3476 | TKPIWTR                                      |          |         |         |
| P11499 | P11499 HS90B_MOUSE |      | Heat shock protein HSP 90-beta - Mus musculi | -0.03617 | 0.92737 | 21.9613 |
|        |                    | 3477 | DNSTMGYMMAK                                  |          |         |         |
|        |                    | 3478 | NPDDITQEEYGEFYK                              |          |         |         |
|        |                    | 3479 | NPDDITQEEYGEFYK[134]                         |          |         |         |
|        |                    | 3480 | YHTSQSGDEMTSLSEYVSR                          |          |         |         |
|        |                    | 3481 | YHTSQSGDEMTSLSEYVSR[162]                     |          |         |         |
|        |                    | 3482 | HLEINPDHPIVETLR[162]                         |          |         |         |
|        |                    | 3483 | HLEINPDHPIVETLR                              |          |         |         |
|        |                    | 3484 | HSQFIGYPITLYLEK                              |          |         |         |
|        |                    | 3485 | KHLEINPDHPIVETLR                             |          |         |         |
|        |                    | 3486 | DNSTMGYMMAK[134]                             |          |         |         |
|        |                    | 3487 | HSQFIGYPITLYLEK[134]                         |          |         |         |
|        |                    | 3488 | SIYYITGESK[134]                              |          |         |         |
|        |                    | 3489 | R[162]APFDLFENK[134]                         |          |         |         |
|        |                    | 3490 | K[134]HLEINPDHPIVETLR[162]                   |          |         |         |
|        |                    | 3491 | SIYYITGESK                                   |          |         |         |
|        |                    | 3492 | RAPFDLFENK                                   |          |         |         |
|        |                    | 3493 | SLTNDWEDHLAVK                                |          |         |         |
|        |                    | 3494 | TLTLVDTGIGMTK[134]                           |          |         |         |
|        |                    | 3495 | TLTLVDTGIGMTK                                |          |         |         |
|        |                    | 3496 | HSQFIGYPITLYLEKER                            |          |         |         |
|        |                    | 3497 | LGIHEDSTNR[162]                              |          |         |         |

|        |                     |      |                                              |          |         |         |
|--------|---------------------|------|----------------------------------------------|----------|---------|---------|
|        |                     | 3498 | RAPFDLFENKK                                  |          |         |         |
|        |                     | 3499 | SLTNDWEDHLAVK[134]                           |          |         |         |
|        |                     | 3500 | KHLEINPDHPIVETLR[162]                        |          |         |         |
|        |                     | 3501 | LGIHEDSTNR                                   |          |         |         |
|        |                     | 3502 | YESLTDPSKLD SGKELK                           |          |         |         |
|        |                     | 3503 | YESLTDPSK[134]LD SGK[134]ELK[134]            |          |         |         |
|        |                     | 3504 | FYEAFSK[134]                                 |          |         |         |
|        |                     | 3505 | FYEAFSK                                      |          |         |         |
| P13020 | P13020 GELS_MOUSE   |      | Gelsolin precursor - Mus musculus            | 0.50821  | 0.23794 | 9.359   |
|        |                     | 3506 | QTQVSVLPEGGETPLFK                            |          |         |         |
|        |                     | 3507 | EVQGFESSTFSGYFK                              |          |         |         |
|        |                     | 3508 | SGALNSNDAFVLK                                |          |         |         |
|        |                     | 3509 | SGALNSNDAFVLK[134]                           |          |         |         |
|        |                     | 3510 | VPFDAATLHTSTAMAAQHGMDDDG TGQK                |          |         |         |
| P42082 | P42082 CD86_MOUSE   |      | T-lymphocyte activation antigen CD86 precurs | 0.86828  | 0.04377 | 22.3301 |
|        |                     | 3511 | ELEPQIASAKPNAE                               |          |         |         |
|        |                     | 3512 | ELEPQIASAK[134]PNAE                          |          |         |         |
|        |                     | 3513 | LVLYEHYLGTEK                                 |          |         |         |
|        |                     | 3514 | DSNADRETINLKELEPQIASAKPNAE                   |          |         |         |
|        |                     | 3515 | DSNADR[162]ETINLK[134]                       |          |         |         |
|        |                     | 3516 | LVLYEHYLGTEK[134]                            |          |         |         |
|        |                     | 3517 | DSNADRETINLK                                 |          |         |         |
|        |                     | 3518 | DMGSYDC[174]FIQK[134]                        |          |         |         |
|        |                     | 3519 | DMGSYDC[174]FIQK                             |          |         |         |
|        |                     | 3520 | LHNVQIK                                      |          |         |         |
|        |                     | 3521 | LHNVQIK[134]                                 |          |         |         |
|        |                     | 3522 | NNWTLR                                       |          |         |         |
|        |                     | 3523 | LVLYEHYLGTEKLDSVNAK                          |          |         |         |
| Q71LX8 | Q71LX8 Q71LX8_MOUSE |      | Heat shock protein 84b - Mus musculus        | -0.14539 | 0.71405 | 3.8674  |
|        |                     | 3524 | EQVANS AFVER                                 |          |         |         |
|        |                     | 3525 | EQVANS AFVER[162]                            |          |         |         |

|        |                    |                                              |          |         |         |
|--------|--------------------|----------------------------------------------|----------|---------|---------|
|        |                    | 3526 ALLFIPR                                 |          |         |         |
|        |                    | 3527 ALLFIPR[162]                            |          |         |         |
|        |                    | 3528 SIYYITGESKEQVANSAFVER                   |          |         |         |
|        |                    | 3529 SIYYITGESK[134]EQVANSAFVER[162]         |          |         |         |
| Q8K2J0 | Q8K2J0 PLCD3_MOUSE | 1-phosphatidylinositol-4,5-bisphosphate phos | -0.21123 | 0.59448 | 8.7898  |
|        |                    | 3530 TTLAIQVLTAQQLPK                         |          |         |         |
|        |                    | 3531 TTLAIQVLTAQQLPK[134]                    |          |         |         |
|        |                    | 3532 NDLAAPTAEAAQR                           |          |         |         |
|        |                    | 3533 NDLAAPTAEAAQR[162]                      |          |         |         |
|        |                    | 3534 DGASLAPATLFVHIR[162]                    |          |         |         |
|        |                    | 3535 LNAEKPSSIVDPLVR                         |          |         |         |
|        |                    | 3536 LRAPELVLR                               |          |         |         |
| P30204 | P30204 MSRE_MOUSE  | Macrophage scavenger receptor types I and II | -0.92314 | 0.01999 | 32.0961 |
|        |                    | 3537 VSAEVQSVKEEQAHVEQEVK                    |          |         |         |
|        |                    | 3538 SMTASLPHSTK[134]                        |          |         |         |
|        |                    | 3539 VSAEVQSVKEEQAHVEQEVKQEVK                |          |         |         |
|        |                    | 3540 SMTASLPHSTK                             |          |         |         |
|        |                    | 3541 QQEDISKLEER                             |          |         |         |
|        |                    | 3542 FTIIMAHMK[134]                          |          |         |         |
|        |                    | 3543 ADLIDTGR[162]                           |          |         |         |
|        |                    | 3544 VSAEVQSVK[134]EEQAHVEQEVK[134]          |          |         |         |
|        |                    | 3545 FTIIMAHMK                               |          |         |         |
|        |                    | 3546 LK[134]DWEHSQTLK[134]                   |          |         |         |
|        |                    | 3547 IQSISNSK[134]ADLIDTGR[162]              |          |         |         |
|        |                    | 3548 FTIIMAHMK[134]DMEER[162]                |          |         |         |
|        |                    | 3549 QQEDISK[134]LEER[162]                   |          |         |         |
|        |                    | 3550 ADLIDTGR                                |          |         |         |
|        |                    | 3551 IQSISNSKADLIDTGR                        |          |         |         |
|        |                    | 3552 LNDILLQLNSLILSVQEHGNSLDAISK[134]        |          |         |         |
|        |                    | 3553 LC[174]PHEREDADC[174]SSESVK             |          |         |         |
|        |                    | 3554 VSAEVQSVK[134]                          |          |         |         |

|        |                     |                                             |         |         |         |
|--------|---------------------|---------------------------------------------|---------|---------|---------|
|        |                     | 3555 VSAEVQSVK                              |         |         |         |
|        |                     | 3556 ENTSNVEMR[162]                         |         |         |         |
|        |                     | 3557 NC[174]LVC[174]SR                      |         |         |         |
|        |                     | 3558 ENTSNVEMR                              |         |         |         |
|        |                     | 3559 NC[174]LVC[174]SR[162]                 |         |         |         |
|        |                     | 3560 LC[174]PHER[162]EDADC[174]SSESVK[134]  |         |         |         |
| A2BFA6 | A2BFA6 A2BFA6_MOUSE | Alpha-N-acetylglucosaminidase - Mus musculu | 0.55092 | 0.20078 | 24.7632 |
|        |                     | 3561 LLGPGPAANFLVSVER                       |         |         |         |
|        |                     | 3562 AAVSEAEAQFYEQNSR                       |         |         |         |
|        |                     | 3563 ALADESGLDTYSLSGGGGVPVLVR               |         |         |         |
|        |                     | 3564 LLGPGPAANFLVSVER[162]                  |         |         |         |
|        |                     | 3565 KAAVSEAEAQFYEQNSR                      |         |         |         |
|        |                     | 3566 SFGMIPVLPAPAGHVPK                      |         |         |         |
|        |                     | 3567 QLAGLVADYYQPR                          |         |         |         |
|        |                     | 3568 NVFPLEQAFVYNK[134]                     |         |         |         |
|        |                     | 3569 YDLLDVTR                               |         |         |         |
|        |                     | 3570 AGGLLVYK                               |         |         |         |
|        |                     | 3571 NVFPLEQAFVYNK                          |         |         |         |
|        |                     | 3572 AVLEAVPR                               |         |         |         |
|        |                     | 3573 SFGMIPVLPAPAGHVPK[134]                 |         |         |         |
|        |                     | 3574 AAVSEAEAQFYEQNSR[162]                  |         |         |         |
|        |                     | 3575 ALADESGLDTYSLSGGGGVPVLVR[162]          |         |         |         |
|        |                     | 3576 QLAGLVADYYQPR[162]                     |         |         |         |
|        |                     | 3577 MGNLHTWDGPLPR                          |         |         |         |
|        |                     | 3578 YGVSQPDAAVAWK                          |         |         |         |
|        |                     | 3579 YGVSQPDAAVAWK[134]                     |         |         |         |
|        |                     | 3580 K[134]AAVSEAEAQFYEQNSR[162]            |         |         |         |
|        |                     | 3581 MGNLHTWDGPLPR[162]                     |         |         |         |
|        |                     | 3582 SDVFEAWR                               |         |         |         |
|        |                     | 3583 AGGLLVYK[134]                          |         |         |         |
|        |                     | 3584 GVPFQQHEFEK[134]                       |         |         |         |

|        |                    |                                               |          |         |         |
|--------|--------------------|-----------------------------------------------|----------|---------|---------|
|        |                    | 3585 AVLEAVPR[162]                            |          |         |         |
|        |                    | 3586 GVPFQQHEFEK                              |          |         |         |
|        |                    | 3587 NVFPLEQAFVYNKK                           |          |         |         |
|        |                    | 3588 YDLLDVTR[162]                            |          |         |         |
|        |                    | 3589 GSTGVAAAAGLHR[162]                       |          |         |         |
| O35598 | O35598 ADA10_MOUSE | ADAM 10 precursor - Mus musculus              | -0.36878 | 0.35268 | 10.6809 |
|        |                    | 3590 HYEGLSYNVDLHQQ                           |          |         |         |
|        |                    | 3591 LVDADGPLAR[162]                          |          |         |         |
|        |                    | 3592 LVDADGPLAR                               |          |         |         |
|        |                    | 3593 AIDTIYQTTDFSGIR                          |          |         |         |
|        |                    | 3594 MAPSTC[174]ASTGSLQWSK                    |          |         |         |
|        |                    | 3595 RRPPQPIQQPPR                             |          |         |         |
|        |                    | 3596 AIDTIYQTTDFSGIR[162]                     |          |         |         |
|        |                    | 3597 EAVIAQISSHVK[134]                        |          |         |         |
| O08795 | O08795 GLU2B_MOUSE | Glucosidase 2 subunit beta precursor - Mus mi | -0.23633 | 0.55145 | 10.5566 |
|        |                    | 3598 ESLQQLAEVTR[162]                         |          |         |         |
|        |                    | 3599 SLKEMEESIR                               |          |         |         |
|        |                    | 3600 KLWEEQQAANK                              |          |         |         |
|        |                    | 3601 ETVVTSTTEPSR[162]                        |          |         |         |
|        |                    | 3602 ESLQQLAEVTR                              |          |         |         |
|        |                    | 3603 EKESLQQLAEVTR                            |          |         |         |
|        |                    | 3604 EK[134]ESLQQLAEVTR[162]                  |          |         |         |
|        |                    | 3605 LWEEQQAANK[134]                          |          |         |         |
|        |                    | 3606 LWEEQQAANK                               |          |         |         |
|        |                    | 3607 LLELQAGKK                                |          |         |         |
| Q05910 | Q05910 ADAM8_MOUSE | ADAM 8 precursor - Mus musculus               | 1.29273  | 0.00268 | 7.7482  |
|        |                    | 3608 SVAPKPISGLSNPLFYTR                       |          |         |         |
|        |                    | 3609 RPPPAPPGAVSSSPLVPVYAPK                   |          |         |         |
|        |                    | 3610 NRPPDPSETVSTNQPPRPIVKPK                  |          |         |         |
| Q7TMQ7 | Q7TMQ7 WDR91_MOUSE | WD repeat-containing protein 91 - Mus muscu   | -0.11502 | 0.77191 | 5.7487  |
|        |                    | 3611 VGFLSSLLPQSK[134]                        |          |         |         |

|        |                    |                                              |          |         |         |
|--------|--------------------|----------------------------------------------|----------|---------|---------|
|        |                    | 3612 VGFLSSLLPQSK                            |          |         |         |
|        |                    | 3613 LLLGSGVGTVR                             |          |         |         |
|        |                    | 3614 LKKEEQQEEEEAAALVQHK                     |          |         |         |
|        |                    | 3615 LLLGSGVGTVR[162]                        |          |         |         |
| Q8BIJ7 | Q8BIJ7 RUFY1_MOUSE | RUN and FYVE domain-containing protein 1 - N | -0.81618 | 0.03969 | 13.3427 |
|        |                    | 3616 VADSW SAPILTLAR[162]                    |          |         |         |
|        |                    | 3617 SFFGPLELVEK[134]                        |          |         |         |
|        |                    | 3618 SFFGPLELVEK                             |          |         |         |
|        |                    | 3619 GSALQLQLSQLR[162]                       |          |         |         |
|        |                    | 3620 GSALQLQLSQLR                            |          |         |         |
|        |                    | 3621 VADSW SAPILTLAR                         |          |         |         |
|        |                    | 3622 VLLQSALSLGR                             |          |         |         |
|        |                    | 3623 VLLQSALSLGR[162]                        |          |         |         |
|        |                    | 3624 LQEELSAATDR[162]                        |          |         |         |
|        |                    | 3625 ITDVLDQK[134]                           |          |         |         |
|        |                    | 3626 NEAIASFEGK                              |          |         |         |
|        |                    | 3627 NYVEELNR[162]                           |          |         |         |
|        |                    | 3628 SQLPSPGELR                              |          |         |         |
|        |                    | 3629 ITDVLDQK                                |          |         |         |
|        |                    | 3630 SQLPSPGELR[162]                         |          |         |         |
| Q8BJ48 | Q8BJ48 NAGPA_MOUSE | N-acetylglucosamine-1-phosphodiester alpha-  | 0.64332  | 0.13520 | 19.3424 |
|        |                    | 3631 LVSSSGGLQNAQFGIR[162]                   |          |         |         |
|        |                    | 3632 LVSSSGGLQNAQFGIR                        |          |         |         |
|        |                    | 3633 EGQLILFHADGQTEQR                        |          |         |         |
|        |                    | 3634 TFVSHFEGR[162]                          |          |         |         |
|        |                    | 3635 SGSPEQESWPPPPTNPGASHHA AVR              |          |         |         |
|        |                    | 3636 TAVGHDREGQLILFHADGQTEQR                 |          |         |         |
|        |                    | 3637 TAVGHDR[162]EGQLILFHADGQTEQR[162]       |          |         |         |
|        |                    | 3638 LVSSSGGLQNAQFGIRR                       |          |         |         |
|        |                    | 3639 AGELASFTR[162]                          |          |         |         |
|        |                    | 3640 TFVSHFEGR                               |          |         |         |



|        |                    |                                             |          |         |         |
|--------|--------------------|---------------------------------------------|----------|---------|---------|
|        |                    | 3641 IAQNGGFFR                              |          |         |         |
|        |                    | 3642 SGSPEQESWPPPPTNPGASHHAAVR[162]         |          |         |         |
|        |                    | 3643 FVNVMSAR                               |          |         |         |
|        |                    | 3644 EGQLILFHADGQTEQR[162]                  |          |         |         |
|        |                    | 3645 AGELASFTR                              |          |         |         |
| Q8BN82 | Q8BN82 S17A5_MOUSE | Sialin - Mus musculus                       | 0.46164  | 0.28372 | 6.2626  |
|        |                    | 3646 GPAGNDDEESSDSTPLPGAR                   |          |         |         |
|        |                    | 3647 GPAGNDDEESSDSTPLPGAR[162]              |          |         |         |
|        |                    | 3648 EC[174]AEHSAPIK                        |          |         |         |
|        |                    | 3649 EC[174]AEHSAPIK[134]                   |          |         |         |
| Q8CAQ8 | Q8CAQ8 IMMT_MOUSE  | Mitochondrial inner membrane protein - Mus  | -0.62380 | 0.11592 | 14.9273 |
|        |                    | 3650 STSETTEAFSSSVR[162]                    |          |         |         |
|        |                    | 3651 TSSAEMPTIPLGSAVEAIR[162]               |          |         |         |
|        |                    | 3652 TSSVTLQTITAQNAAVQAVK                   |          |         |         |
|        |                    | 3653 STSETTEAFSSSVR                         |          |         |         |
|        |                    | 3654 TSSAEMPTIPLGSAVEAIR                    |          |         |         |
|        |                    | 3655 LSEQELEFR                              |          |         |         |
|        |                    | 3656 VVSQYHELVVQAR[162]                     |          |         |         |
|        |                    | 3657 LSEQELEFR[162]                         |          |         |         |
|        |                    | 3658 GVYSEETLR[162]                         |          |         |         |
|        |                    | 3659 TSSVTLQTITAQNAAVQAVK[134]              |          |         |         |
|        |                    | 3660 LAQQEK[134]QEQVEMESLAK[134]            |          |         |         |
|        |                    | 3661 AVDEAADALLK                            |          |         |         |
|        |                    | 3662 AVDEAADALLK[134]                       |          |         |         |
| Q8CCJ3 | Q8CCJ3 K0776_MOUSE | Uncharacterized protein KIAA0776 - Mus musc | 0.13994  | 0.74521 | 9.2055  |
|        |                    | 3663 AYDLPGDFLTQALTQR                       |          |         |         |
|        |                    | 3664 AYDLPGDFLTQALTQR[162]                  |          |         |         |
|        |                    | 3665 YFADDTQTALTK                           |          |         |         |
|        |                    | 3666 NNPVHLITEEDLK                          |          |         |         |
|        |                    | 3667 GVIFTEAFVAR                            |          |         |         |
|        |                    | 3668 AVFVPDIYSR                             |          |         |         |

|        |                     |                                              |          |         |         |
|--------|---------------------|----------------------------------------------|----------|---------|---------|
|        |                     | 3669 AVFVPDIYSR[162]                         |          |         |         |
|        |                     | 3670 LGIPDAVNYIK[134]                        |          |         |         |
| Q8K2C7 | Q8K2C7 Q8K2C7_MOUSE | Amplified in osteosarcoma - Mus musculus     | -0.29384 | 0.45897 | 7.4554  |
|        |                     | 3671 LQENQSPELVQK[134]                       |          |         |         |
|        |                     | 3672 ESEREQAILALTSTLDK                       |          |         |         |
|        |                     | 3673 LQENQSPELVQK                            |          |         |         |
|        |                     | 3674 ESER[162]EQAILALTSTLDK[134]             |          |         |         |
|        |                     | 3675 LPAGAIHFQR[162]                         |          |         |         |
|        |                     | 3676 SPADLIR                                 |          |         |         |
| Q99KI0 | Q99KI0 ACON_MOUSE   | Aconitate hydratase, mitochondrial precursor | -0.37689 | 0.34219 | 25.2564 |
|        |                     | 3677 DINQEVYNFLATAGAK                        |          |         |         |
|        |                     | 3678 DINQEVYNFLATAGAK[134]                   |          |         |         |
|        |                     | 3679 IVYGHLLDDPANQEIER[162]                  |          |         |         |
|        |                     | 3680 NAVTQEFQVPDPTAR                         |          |         |         |
|        |                     | 3681 NAVTQEFQVPDPTAR[162]                    |          |         |         |
|        |                     | 3682 QGLLPLTFADPSDYNK[134]                   |          |         |         |
|        |                     | 3683 WVVIGDENYGEGSSR                         |          |         |         |
|        |                     | 3684 IVYGHLLDDPANQEIER                       |          |         |         |
|        |                     | 3685 NDANPETHAFVTSPEIVTALAIAAGTLK            |          |         |         |
|        |                     | 3686 VAMSHFEPSEYIR                           |          |         |         |
|        |                     | 3687 FLEAPDADELPR                            |          |         |         |
|        |                     | 3688 WVVIGDENYGEGSSR[162]                    |          |         |         |
|        |                     | 3689 FK[134]LEAPDADELPR[162]                 |          |         |         |
|        |                     | 3690 AKDINQEVYNFLATAGAK                      |          |         |         |
|        |                     | 3691 VAMSHFEPSEYIR[162]                      |          |         |         |
|        |                     | 3692 LNR[162]PLTLSEK[134]                    |          |         |         |
|        |                     | 3693 QGLLPLTFADPSDYNK                        |          |         |         |
|        |                     | 3694 SQFTITPGSEQIR                           |          |         |         |
|        |                     | 3695 LNRPLTLSEK                              |          |         |         |
|        |                     | 3696 SQFTITPGSEQIR[162]                      |          |         |         |
|        |                     | 3697 SDFDPGQDTYQHPPKDSSGQR                   |          |         |         |

|        |                     |                                                   |          |         |         |
|--------|---------------------|---------------------------------------------------|----------|---------|---------|
|        |                     | 3698 FNPETDFLTGK                                  |          |         |         |
|        |                     | 3699 VDVSPTSQR[162]                               |          |         |         |
|        |                     | 3700 VDVSPTSQR                                    |          |         |         |
|        |                     | 3701 SDFDPGQDTYQHPPK                              |          |         |         |
|        |                     | 3702 FNPETDFLTGK[134]                             |          |         |         |
| Q9Z2I0 | Q9Z2I0 LETM1_MOUSE  | Leucine zipper-EF-hand-containing transmemt       | 0.04973  | 0.90807 | 5.2846  |
|        |                     | 3703 STLQTLPEIVAK[134]                            |          |         |         |
|        |                     | 3704 AMYLPDTLSPADQLK                              |          |         |         |
|        |                     | 3705 FLQDTIEEMALK                                 |          |         |         |
|        |                     | 3706 AMYLPDTLSPADQLK[134]                         |          |         |         |
|        |                     | 3707 FLQDTIEEMALK[134]                            |          |         |         |
|        |                     | 3708 STLQTLPEIVAK                                 |          |         |         |
| Q8BFR4 | Q8BFR4 GNS_MOUSE    | N-acetylglucosamine-6-sulfatase precursor - N     | 0.55638  | 0.19635 | 3.8603  |
|        |                     | 3709 IQEPYTFPAILK                                 |          |         |         |
|        |                     | 3710 AFQNVIAPR[162]                               |          |         |         |
|        |                     | 3711 AFQNVIAPR                                    |          |         |         |
|        |                     | 3712 IQEPYTFPAILK[134]                            |          |         |         |
| Q8VBZ3 | Q8VBZ3 CLPT1_MOUSE  | Cleft lip and palate transmembrane protein 1 l    | -0.18657 | 0.63821 | 4.9699  |
|        |                     | 3713 VNEFGMSGEDVSAAASR                            |          |         |         |
|        |                     | 3714 NLLTGETEADPEMIK                              |          |         |         |
|        |                     | 3715 VNEFGMSGEDVSAAASR[162]                       |          |         |         |
|        |                     | 3716 NLLTGETEADPEMIK[134]                         |          |         |         |
|        |                     | 3717 NLLTGETEADPEMIKR                             |          |         |         |
| A2AR26 | A2AR26 A2AR26_MOUSE | Solute carrier family 2 (Facilitated glucose tran | 2.09468  | 0.00000 | 11.7381 |
|        |                     | 3718 TEGLDYDTFPEVPATPGER                          |          |         |         |
|        |                     | 3719 TEGLDYDTFPEVPATPGERER                        |          |         |         |
|        |                     | 3720 ADSEVHWEFQIQDNVR                             |          |         |         |
|        |                     | 3721 SRDEEALQALTWLR                               |          |         |         |
| Q9R0E2 | Q9R0E2 PLOD1_MOUSE  | Procollagen-lysine,2-oxoglutarate 5-dioxygena     | 0.53070  | 0.21781 | 3.7088  |
|        |                     | 3722 FLGSGGFIGYAPSLSK                             |          |         |         |
|        |                     | 3723 SEDYVDIVQGR                                  |          |         |         |

|        |                    |                                        |          |         |         |
|--------|--------------------|----------------------------------------|----------|---------|---------|
|        |                    | 3724 SEDYVDIVQGR[162]                  |          |         |         |
|        |                    | 3725 FLGSGGFIGYAPSLSK[134]             |          |         |         |
| P26040 | P26040 EZRI_MOUSE  | Ezrin - Mus musculus                   | -0.56725 | 0.15283 | 18.2594 |
|        |                    | 3726 IGFPWSEIR[162]                    |          |         |         |
|        |                    | 3727 APDFVIFYAPR                       |          |         |         |
|        |                    | 3728 APDFVIFYAPR[162]                  |          |         |         |
|        |                    | 3729 SQEQLAAELAEYTAK                   |          |         |         |
|        |                    | 3730 SQEQLAAELAEYTAK[134]              |          |         |         |
|        |                    | 3731 K[134]APDFVIFYAPR[162]            |          |         |         |
|        |                    | 3732 R[162]K[134]PDTIEVQQMK[134]       |          |         |         |
|        |                    | 3733 KAPDFVIFYAPR                      |          |         |         |
|        |                    | 3734 RKPDTIEVQQMK                      |          |         |         |
|        |                    | 3735 IGFPWSEIR                         |          |         |         |
|        |                    | 3736 QLLTSLNELSQAR[162]                |          |         |         |
|        |                    | 3737 QLLTSLNELSQAR                     |          |         |         |
|        |                    | 3738 QLLTSLNELSQAR[162]DENK[134]R[162] |          |         |         |
|        |                    | 3739 FVIK[134]PIDK[134]                |          |         |         |
|        |                    | 3740 QLLTSLNELSQARDENKR                |          |         |         |
|        |                    | 3741 DSAMLEYLK                         |          |         |         |
|        |                    | 3742 FVIKPIDK                          |          |         |         |
|        |                    | 3743 FVIKPIDKK                         |          |         |         |
|        |                    | 3744 QLFDQVVK[134]                     |          |         |         |
|        |                    | 3745 IQVWHAHR[162]                     |          |         |         |
|        |                    | 3746 FVIK[134]PIDK[134]K[134]          |          |         |         |
|        |                    | 3747 QLFDQVVK                          |          |         |         |
|        |                    | 3748 KPDTIEVQQMK                       |          |         |         |
|        |                    | 3749 K[134]PDTIEVQQMK[134]             |          |         |         |
|        |                    | 3750 NISFNDK[134]K[134]                |          |         |         |
|        |                    | 3751 NISFNDKK                          |          |         |         |
| Q60634 | Q60634 FLOT2_MOUSE | Flotillin-2 - Mus musculus             | -0.15695 | 0.69243 | 40.8879 |
|        |                    | 3752 MALVLEALPQIAAK                    |          |         |         |

3753 TAEAQLAYELQGAR[162]  
3754 IGAEAAVIEAMGK  
3755 IGAEAAVIEAMGK[134]  
3756 TAEAQLAYELQGAR  
3757 NVVLQTLEGLR  
3758 QVLLAQAEAEKIR  
3759 SAFSEEVNIK  
3760 QVLLAQAEAEK  
3761 QVLLAQAEAEK[134]  
3762 MALVLEALPQIAAK[134]  
3763 SAFSEEVNIK[134]  
3764 QVLLAQAEAEK[134]IR[162]  
3765 DADIGVAEER  
3766 VDEIVVLSGDSK  
3767 KIGAEAAVIEAMGK  
3768 DADIGVAEER[162]  
3769 K[134]IGAEAAVIEAMGK[134]  
3770 NVVLQTLEGLR[162]  
3771 KIGAEAAVIEAMGKAEER  
3772 VDEIVVLSGDSK[134]  
3773 IGAEAAVIEAMGKAEER  
3774 SILGTLTVEQIYQDRDQFAK  
3775 LLAELPASVHALTGVDLSKIPLIK  
3776 KKQIAVEAEILR  
3777 ISAPLTKVDEIVVLSGDSK  
3778 SILGTLTVEQIYQDR[162]DQFAK[134]  
3779 QIAVEAEILR  
3780 ISAPLTK[134]VDEIVVLSGDSK[134]  
3781 QIAVEAEILR[162]  
3782 TAEAQLAYELQGAREQQK  
3783 LLAELPASVHALTGVDLSK[134]

|        |                    |                                             |          |         |         |
|--------|--------------------|---------------------------------------------|----------|---------|---------|
| P10126 | P10126 EF1A1_MOUSE | 3784 LLAELPASVHALTGVDLSK                    | 0.23992  | 0.57743 | 33.1169 |
|        |                    | Elongation factor 1-alpha 1 - Mus musculus  |          |         |         |
|        |                    | 3785 IGGIGTVPVGR                            |          |         |         |
|        |                    | 3786 IGGIGTVPVGR[162]                       |          |         |         |
|        |                    | 3787 VETGVLKPGMVVTFAPVNVTTTEVK              |          |         |         |
|        |                    | 3788 EHALLAYTLGVK                           |          |         |         |
|        |                    | 3789 STTTGHLIYK                             |          |         |         |
|        |                    | 3790 EHALLAYTLGVK[134]                      |          |         |         |
|        |                    | 3791 YYVTIIDAPGHR                           |          |         |         |
|        |                    | 3792 LPLQDVYK                               |          |         |         |
|        |                    | 3793 LPLQDVYK[134]                          |          |         |         |
|        |                    | 3794 TIEKFEKEAAEMGK                         |          |         |         |
|        |                    | 3795 QTVAVGVK[134]                          |          |         |         |
|        |                    | 3796 YEEIVKEVSTYIK                          |          |         |         |
|        |                    | 3797 THINIVVIGHVDSGK                        |          |         |         |
|        |                    | 3798 THINIVVIGHVDSGK[134]                   |          |         |         |
|        |                    | 3799 VETGVLK[134]PGMVVTFAPVNVTTTEVK[134]    |          |         |         |
|        |                    | 3800 YYVTIIDAPGHR[162]                      |          |         |         |
|        |                    | 3801 YEEIVKEVSTYIKK                         |          |         |         |
|        |                    | 3802 RYEEIVKEVSTYIK                         |          |         |         |
|        |                    | 3803 YEEIVK[134]EVSTYIK[134]                |          |         |         |
|        |                    | 3804 QLIVGVNKMDSPEPPYSQK                    |          |         |         |
|        |                    | 3805 YYVTIIDAPGHR[162]DFIK[134]             |          |         |         |
|        |                    | 3806 YYVTIIDAPGHRDFIK                       |          |         |         |
|        |                    | 3807 QTVAVGVK                               |          |         |         |
|        |                    | 3808 QLIVGVNK[134]                          |          |         |         |
|        |                    | 3809 STTTGHLIYK[134]                        |          |         |         |
| Q3U829 | Q3U829 K0415_MOUSE | Uncharacterized protein KIAA0415 - Mus musc | -1.28786 | 0.00117 | 2.4783  |
|        |                    | 3810 DTNVALPLALR[162]                       |          |         |         |
|        |                    | 3811 DTNVALPLALR                            |          |         |         |
|        |                    | 3812 ASELLTLK[134]                          |          |         |         |

|        |                    |                                               |          |         |         |
|--------|--------------------|-----------------------------------------------|----------|---------|---------|
| Q8BGB2 | Q8BGB2 TTC7A_MOUSE | Tetratricopeptide repeat protein 7A - Mus mu: | -0.16233 | 0.68247 | 7.9254  |
|        |                    | 3813 EALTVNPDGVR                              |          |         |         |
|        |                    | 3814 EALTVNPDGVR[162]                         |          |         |         |
|        |                    | 3815 EENSFVTQTLR[162]                         |          |         |         |
|        |                    | 3816 FTTLDTDDFVK                              |          |         |         |
|        |                    | 3817 FTTLDTDDFVK[134]                         |          |         |         |
|        |                    | 3818 SAYAVSLLR[162]                           |          |         |         |
|        |                    | 3819 AGIDDISVENK[134]PLYQMR[162]              |          |         |         |
|        |                    | 3820 LLSEAFVIK[134]                           |          |         |         |
|        |                    | 3821 LLSEAFVIK                                |          |         |         |
| Q9DC23 | Q9DC23 DJC10_MOUSE | DnaJ homolog subfamily C member 10 precurs    | -0.42536 | 0.28372 | 7.314   |
|        |                    | 3822 GLEDNQGGQYESWSYYR[162]                   |          |         |         |
|        |                    | 3823 SSVLFLNSLDAK                             |          |         |         |
|        |                    | 3824 ILYDILAFAK[134]                          |          |         |         |
|        |                    | 3825 SSVLFLNSLDAK[134]                        |          |         |         |
|        |                    | 3826 SIWEEQINSR[162]                          |          |         |         |
|        |                    | 3827 SIWEEQINSR                               |          |         |         |
|        |                    | 3828 TIAALIYGK[134]                           |          |         |         |
|        |                    | 3829 ILYDILAFAK                               |          |         |         |
| Q9QYE6 | Q9QYE6 GOGA5_MOUSE | Golgin subfamily A member 5 - Mus musculus    | 0.10501  | 0.80735 | 20.7133 |
|        |                    | 3830 ANYISSAADNIR                             |          |         |         |
|        |                    | 3831 ANYISSAADNIR[162]                        |          |         |         |
|        |                    | 3832 AQVDDLTEAVAAK                            |          |         |         |
|        |                    | 3833 AQVDDLTEAVAAK[134]                       |          |         |         |
|        |                    | 3834 LQEADQVLSSR[162]                         |          |         |         |
|        |                    | 3835 EGSSLQNQALQTLQER                         |          |         |         |
|        |                    | 3836 LQEADQVLSSR                              |          |         |         |
|        |                    | 3837 NSLVFQLER[162]                           |          |         |         |
|        |                    | 3838 ATILAGTANVK                              |          |         |         |
|        |                    | 3839 NVPVLFNDTETNLAGMYGK                      |          |         |         |
|        |                    | 3840 AEDLLNRVDQGAATALRK                       |          |         |         |

|        |                    |                                                 |          |         |         |
|--------|--------------------|-------------------------------------------------|----------|---------|---------|
|        |                    | 3841 NSLVFQLER                                  |          |         |         |
|        |                    | 3842 ENTSNIFYSK                                 |          |         |         |
|        |                    | 3843 ATILAGTANVK[134]                           |          |         |         |
|        |                    | 3844 TSKQELETELER                               |          |         |         |
|        |                    | 3845 SQELSNLR                                   |          |         |         |
|        |                    | 3846 EQLQDLQDQIAK                               |          |         |         |
| Q9R0E1 | Q9R0E1 PLOD3_MOUSE | Procollagen-lysine,2-oxoglutarate 5-dioxygena   | -0.27480 | 0.48859 | 6.6127  |
|        |                    | 3847 LVGP EEALSAGEAR                            |          |         |         |
|        |                    | 3848 LVGP EEALSAGEAR[162]                       |          |         |         |
|        |                    | 3849 SEDYVELVQR[162]                            |          |         |         |
|        |                    | 3850 SEDYVELVQR                                 |          |         |         |
|        |                    | 3851 LAGGYENVPTVDIHMK                           |          |         |         |
|        |                    | 3852 TLGLGQEW R                                 |          |         |         |
| Q61072 | Q61072 ADAM9_MOUSE | ADAM 9 precursor - Mus musculus                 | 0.33166  | 0.44119 | 6.2722  |
|        |                    | 3853 ISSQGNLIPAR PAPAPPLYSSLT                   |          |         |         |
|        |                    | 3854 GYGGSVDSGPTYNAK                            |          |         |         |
|        |                    | 3855 GYGGSVDSGPTYNAK[134]                       |          |         |         |
|        |                    | 3856 ISSQGNLIPAR[162] PAPAPPLYSSLT              |          |         |         |
|        |                    | 3857 QPAQFPSR[162] PPPPQPK[134]                 |          |         |         |
|        |                    | 3858 QPAQFPSR PPPPQPK                           |          |         |         |
| Q9WUA3 | Q9WUA3 K6PP_MOUSE  | 6-phosphofructokinase type C - Mus musculus     | -0.00313 | 0.99371 | 3.699   |
|        |                    | 3859 DLLFQPVAELK                                |          |         |         |
|        |                    | 3860 IIEVVDAIMTTAQSHQR                          |          |         |         |
|        |                    | 3861 DLLFQPVAELK[134]                           |          |         |         |
|        |                    | 3862 DLLFQPVAELKK                               |          |         |         |
| P49710 | P49710 HCLS1_MOUSE | Hematopoietic lineage cell-specific protein - M | -0.01393 | 0.97199 | 24.2798 |
|        |                    | 3863 EVQQPSMPVEEPAAPQLPK                        |          |         |         |
|        |                    | 3864 GF GGQYGIQK                                |          |         |         |
|        |                    | 3865 TEHINIHQLR                                 |          |         |         |
|        |                    | 3866 GHFGLFPANYVK                               |          |         |         |
|        |                    | 3867 GF GGQYGIQK[134]                           |          |         |         |



|        |                    |      |                                               |          |         |         |
|--------|--------------------|------|-----------------------------------------------|----------|---------|---------|
|        |                    | 3868 | TTPIEAASSGAR[162]                             |          |         |         |
|        |                    | 3869 | NKVSEHDILK                                    |          |         |         |
|        |                    | 3870 | NK[134]VSEHDILK[134]                          |          |         |         |
|        |                    | 3871 | SAVGFDYKGEVEK                                 |          |         |         |
|        |                    | 3872 | TTPIEAASSGAR                                  |          |         |         |
|        |                    | 3873 | SAVGHEYVADVEK                                 |          |         |         |
|        |                    | 3874 | SAVGFNEMEAPTTAYKK                             |          |         |         |
| Q3UVK0 | Q3UVK0 ERMP1_MOUSE |      | Endoplasmic reticulum metalloproteinase 1 - M | -0.24904 | 0.53025 | 3.4521  |
|        |                    | 3875 | AFINLEAAGVGKK                                 |          |         |         |
|        |                    | 3876 | AFINLEAAGVGKK[134]                            |          |         |         |
|        |                    | 3877 | AGDNILAVLK                                    |          |         |         |
|        |                    | 3878 | ILIDSIQR                                      |          |         |         |
| Q6KAR6 | Q6KAR6 EXOC3_MOUSE |      | Exocyst complex component 3 - Mus musculus    | -0.33688 | 0.39588 | 11.6556 |
|        |                    | 3879 | AAIQSQLDGVR[162]                              |          |         |         |
|        |                    | 3880 | AAIQSQLDGVR                                   |          |         |         |
|        |                    | 3881 | EIVVPSLNVAK[134]                              |          |         |         |
|        |                    | 3882 | NFSVPEIVR                                     |          |         |         |
|        |                    | 3883 | DAVVQHSQLAHAVENLK                             |          |         |         |
|        |                    | 3884 | ETQDLIEQGALLQHR                               |          |         |         |
|        |                    | 3885 | ETDLEAVATAVQR[162]                            |          |         |         |
|        |                    | 3886 | YVLDDLIVAK                                    |          |         |         |
|        |                    | 3887 | NFSVPEIVR[162]                                |          |         |         |
|        |                    | 3888 | YVLDDLIVAK[134]                               |          |         |         |
|        |                    | 3889 | ETQDLIEQGALLQHR[162]                          |          |         |         |
| Q8R361 | Q8R361 RFIP5_MOUSE |      | Rab11 family-interacting protein 5 - Mus musc | 0.66510  | 0.12247 | 26.5116 |
|        |                    | 3890 | IMETSPTLLQISPGPPK                             |          |         |         |
|        |                    | 3891 | SSGAGSTSDAYTVIQVGR                            |          |         |         |
|        |                    | 3892 | ATVALDEVFR                                    |          |         |         |
|        |                    | 3893 | TSLSTALSSGLER[162]                            |          |         |         |
|        |                    | 3894 | TSLSTALSSGLER                                 |          |         |         |
|        |                    | 3895 | IMETSPTLLQISPGPPK[134]                        |          |         |         |

|        |                    |      |                                               |          |         |         |
|--------|--------------------|------|-----------------------------------------------|----------|---------|---------|
|        |                    | 3896 | TVTSGGIQSVLPASQLGSSVDTK                       |          |         |         |
|        |                    | 3897 | KYDLESASAILPSSALEDPELGSLGK                    |          |         |         |
|        |                    | 3898 | LKTVTSGGIQSVLPASQLGSSVDTK                     |          |         |         |
|        |                    | 3899 | ALLELQGHLDGASR                                |          |         |         |
|        |                    | 3900 | ATVALDEVFR[162]                               |          |         |         |
|        |                    | 3901 | GSHGTSSSEAVPGQEELSK                           |          |         |         |
|        |                    | 3902 | ALLELQGHLDGASR[162]                           |          |         |         |
|        |                    | 3903 | TYSDEASQLR                                    |          |         |         |
|        |                    | 3904 | SSISGPFPPSSSLHSVPPR                           |          |         |         |
| Q8R366 | Q8R366 IGSF8_MOUSE |      | Immunoglobulin superfamily member 8 precu     | -0.58947 | 0.13739 | 13.4206 |
|        |                    | 3905 | ATLQEVVGLR[162]                               |          |         |         |
|        |                    | 3906 | VLPDELQVSAAPPGPR[162]                         |          |         |         |
|        |                    | 3907 | ATLQEVVGLR                                    |          |         |         |
|        |                    | 3908 | VLPDELQVSAAPPGPR                              |          |         |         |
|        |                    | 3909 | LVAQLDTEGIGSLGPGYEDR                          |          |         |         |
|        |                    | 3910 | SDMAVEAGAPYAER[162]                           |          |         |         |
|        |                    | 3911 | DSQFSYAVFGPR                                  |          |         |         |
|        |                    | 3912 | LVAQLDTEGIGSLGPGYEDR[162]                     |          |         |         |
|        |                    | 3913 | SDMAVEAGAPYAER                                |          |         |         |
|        |                    | 3914 | DSQFSYAVFGPR[162]                             |          |         |         |
|        |                    | 3915 | VASGDLQVQR                                    |          |         |         |
| Q9D0R2 | Q9D0R2 SYTC_MOUSE  |      | Threonyl-tRNA synthetase, cytoplasmic - Mus   | 0.52658  | 0.22140 | 4.9861  |
|        |                    | 3916 | NELSGALTGLTR                                  |          |         |         |
|        |                    | 3917 | NELSGALTGLTR[162]                             |          |         |         |
|        |                    | 3918 | IYGISFPDPK                                    |          |         |         |
|        |                    | 3919 | IYGISFPDPK[134]                               |          |         |         |
|        |                    | 3920 | GFQEVVTPNIFNSR                                |          |         |         |
| Q9D620 | Q9D620 RFIP1_MOUSE |      | Rab11 family-interacting protein 1 - Mus musc | 1.30643  | 0.00242 | 24.4961 |
|        |                    | 3921 | TPLSQSMSVLPTSK                                |          |         |         |
|        |                    | 3922 | ESMSPANVEAAR                                  |          |         |         |
|        |                    | 3923 | KSSLSSLVTK                                    |          |         |         |

|        |                    |                                                |         |         |         |
|--------|--------------------|------------------------------------------------|---------|---------|---------|
|        |                    | 3924 VMEETPNILR                                |         |         |         |
|        |                    | 3925 TSSTDQQPNQSNFSLPK                         |         |         |         |
|        |                    | 3926 GPGTMWSPTHVQVTVLQAR                       |         |         |         |
|        |                    | 3927 ELEDYIDNLLVR                              |         |         |         |
|        |                    | 3928 GSESEPLPTVSEK                             |         |         |         |
|        |                    | 3929 TPLSQSMSVLPTSK[134]                       |         |         |         |
|        |                    | 3930 ELEDYIDNLLVR[162]                         |         |         |         |
|        |                    | 3931 KEGLSFLGGLR                               |         |         |         |
|        |                    | 3932 SMSLPSYRPLTSGDNR                          |         |         |         |
|        |                    | 3933 SEPKPPVPAAR                               |         |         |         |
|        |                    | 3934 HLFSTENLAAR                               |         |         |         |
| Q9JLQ0 | Q9JLQ0 CD2AP_MOUSE | CD2-associated protein - Mus musculus          | 0.63122 | 0.14270 | 3.6107  |
|        |                    | 3935 VNTAAFLTPELEK                             |         |         |         |
|        |                    | 3936 VNTAAFLTPELEK[134]                        |         |         |         |
|        |                    | 3937 LGLFPSNFVK                                |         |         |         |
|        |                    | 3938 LGLFPSNFVK[134]                           |         |         |         |
| Q09200 | Q09200 B4GN1_MOUSE | Beta-1,4 N-acetylgalactosaminyltransferase 1 - | 0.97889 | 0.02302 | 20.075  |
|        |                    | 3939 LDLLDLAPEPR                               |         |         |         |
|        |                    | 3940 EQEYQAFLAR                                |         |         |         |
|        |                    | 3941 LDLLDLAPEPR[162]                          |         |         |         |
|        |                    | 3942 GGSLPLPFLR                                |         |         |         |
|        |                    | 3943 NAPSLPNPLALWSPPQGPPR                      |         |         |         |
|        |                    | 3944 SLADQLLIAPANSPLQYPLQGVEVQPLR              |         |         |         |
|        |                    | 3945 EISGYATTYR                                |         |         |         |
|        |                    | 3946 LVDVLEKTPLDLVGGAVR                        |         |         |         |
| Q9QUJ7 | Q9QUJ7 ACSL4_MOUSE | Long-chain-fatty-acid--CoA ligase 4 - Mus musc | 0.24364 | 0.57155 | 18.9873 |
|        |                    | 3947 LSPEPWTPETGLVTDAFK                        |         |         |         |
|        |                    | 3948 LSPEPWTPETGLVTDAFK[134]                   |         |         |         |
|        |                    | 3949 GEIVIGGQNISMGYFK                          |         |         |         |
|        |                    | 3950 IGYSSPLTSDQSSK[134]                       |         |         |         |
|        |                    | 3951 SDQSYVISFVVPNQK                           |         |         |         |

|        |                    |                                               |         |         |         |
|--------|--------------------|-----------------------------------------------|---------|---------|---------|
|        |                    | 3952 VNNFGSGLTALGLKPK                         |         |         |         |
|        |                    | 3953 IGYSSPLTSDQSSK                           |         |         |         |
|        |                    | 3954 GEIVIGGQNISMGYFK[134]                    |         |         |         |
|        |                    | 3955 SDQSYVISFVVPNQK[134]                     |         |         |         |
|        |                    | 3956 SVTHFDSLAVIDIPGADTLDK                    |         |         |         |
|        |                    | 3957 VQEMNYVQK                                |         |         |         |
|        |                    | 3958 KLTLAQK                                  |         |         |         |
|        |                    | 3959 HIIYVDNK[134]                            |         |         |         |
|        |                    | 3960 LTLLAQK                                  |         |         |         |
|        |                    | 3961 VNNFGSGLTALGLK[134]PK[134]               |         |         |         |
|        |                    | 3962 SDQSYVISFVVPNQKK                         |         |         |         |
|        |                    | 3963 FEIPIKVR                                 |         |         |         |
|        |                    | 3964 K[134]LTLLAQK[134]                       |         |         |         |
|        |                    | 3965 LTLLAQK[134]                             |         |         |         |
|        |                    | 3966 VQEMNYVQK[134]                           |         |         |         |
| Q80X71 | Q80X71 T106B_MOUSE | Transmembrane protein 106B - Mus musculus     | 0.49472 | 0.25063 | 20.3636 |
|        |                    | 3967 GQENQLVALIPYSDQR                         |         |         |         |
|        |                    | 3968 NGDVSQFPYVEFTGR                          |         |         |         |
|        |                    | 3969 GQENQLVALIPYSDQR[162]                    |         |         |         |
|        |                    | 3970 SLSHLPLHSNKEDGYDGVSTDNMR                 |         |         |         |
| Q9DBG6 | Q9DBG6 RPN2_MOUSE  | Dolichyl-diphosphooligosaccharide--protein gl | 0.06004 | 0.88912 | 33.439  |
|        |                    | 3971 LQVSNVLSQPLAQAAVK                        |         |         |         |
|        |                    | 3972 FPEEEAPSTVLSQSLFTPK                      |         |         |         |
|        |                    | 3973 LQVSNVLSQPLAQAAVK[134]                   |         |         |         |
|        |                    | 3974 LSSGYYDFSVR                              |         |         |         |
|        |                    | 3975 TGQEVVFAEPDNK                            |         |         |         |
|        |                    | 3976 TGQEVVFAEPDNK[134]                       |         |         |         |
|        |                    | 3977 TPFSLVGNVFELNFK                          |         |         |         |
|        |                    | 3978 LGKEETVLATVQALQTASHLSQQADLR              |         |         |         |
|        |                    | 3979 ISTEVGITNVDLSTVDKDQSIAPK                 |         |         |         |
|        |                    | 3980 TGQEVVFAEPDNKNVYK                        |         |         |         |

|        |                   |                                        |         |         |         |
|--------|-------------------|----------------------------------------|---------|---------|---------|
|        |                   | 3981 YHVPVVVVPEGSTSDTQEQAILR           |         |         |         |
|        |                   | 3982 NIVEEIEDLVAR                      |         |         |         |
|        |                   | 3983 NIVEEIEDLVAR[162]                 |         |         |         |
|        |                   | 3984 YIANTVELR[162]                    |         |         |         |
|        |                   | 3985 KNFESLSEAFSVASAAAALSQNR           |         |         |         |
|        |                   | 3986 K[134]NFESLSEAFSVASAAAALSQNR[162] |         |         |         |
|        |                   | 3987 TGQEVVVFVAEPDNK[134]NVYK[134]     |         |         |         |
|        |                   | 3988 YIANTVELR                         |         |         |         |
|        |                   | 3989 LQVSNVLSQPLAQAAVK[134]LEHAK[134]  |         |         |         |
|        |                   | 3990 LQVSNVLSQPLAQAAVKLEHAK            |         |         |         |
|        |                   | 3991 LSSGYDYSVR[162]                   |         |         |         |
|        |                   | 3992 QEIQHLFR                          |         |         |         |
|        |                   | 3993 YHVPVVVVPEGSTSDTQEQAILR[162]      |         |         |         |
| P26043 | P26043 RADI_MOUSE | Radixin - Mus musculus                 | 0.05467 | 0.89897 | 7.2041  |
|        |                   | 3994 QLQALSSELAQAR                     |         |         |         |
|        |                   | 3995 AFAAQEDLEK[134]                   |         |         |         |
|        |                   | 3996 AFAAQEDLEKTKEELK                  |         |         |         |
|        |                   | 3997 QLQALSSELAQARDETK                 |         |         |         |
|        |                   | 3998 QLQALSSELAQAR[162]                |         |         |         |
|        |                   | 3999 AFAAQEDLEK                        |         |         |         |
|        |                   | 4000 IALLEEAKK                         |         |         |         |
|        |                   | 4001 IALLEEAK                          |         |         |         |
|        |                   | 4002 IALLEEAK[134]                     |         |         |         |
|        |                   | 4003 IALLEEAK[134]K[134]               |         |         |         |
|        |                   | 4004 AFAAQEDLEK[134]TK[134]EELK[134]   |         |         |         |
| P48193 | P48193 41_MOUSE   | Protein 4.1 - Mus musculus             | 0.16535 | 0.70100 | 19.3473 |
|        |                   | 4005 SEIPTKDVPIVHTETK                  |         |         |         |
|        |                   | 4006 TQTVTISDTANAVK[134]               |         |         |         |
|        |                   | 4007 TQTVTISDTANAVK                    |         |         |         |
|        |                   | 4008 QASALIDRPAPHFER                   |         |         |         |
|        |                   | 4009 TLNINGQVPTGDGPPLVK[134]           |         |         |         |

|        |                     |                                               |          |         |         |
|--------|---------------------|-----------------------------------------------|----------|---------|---------|
|        |                     | 4010 SLDGAAAAESTDR                            |          |         |         |
|        |                     | 4011 SMTPAQADLEFLENAK                         |          |         |         |
|        |                     | 4012 RGEPAEPAEPEPETEAWK                       |          |         |         |
|        |                     | 4013 SEIPTK[134]DVPIVHTETK[134]               |          |         |         |
|        |                     | 4014 SPRPTSAPAIAQSQVTEGPGAPIKK                |          |         |         |
|        |                     | 4015 SMTPAQADLEFLENAK[134]                    |          |         |         |
|        |                     | 4016 TLNINGQVPTGDGPPLVK                       |          |         |         |
|        |                     | 4017 VVVHQETEISEE                             |          |         |         |
|        |                     | 4018 LSMYGVDLHK                               |          |         |         |
|        |                     | 4019 LSTHSPFR                                 |          |         |         |
|        |                     | 4020 QASALIDR[162]PAPHFER[162]                |          |         |         |
|        |                     | 4021 SMTPAQADLEFLENAKK                        |          |         |         |
| P51660 | P51660 DHB4_MOUSE   | Peroxisomal multifunctional enzyme type 2 - N | 0.44648  | 0.29982 | 7.3469  |
|        |                     | 4022 VVLVTGAGGGLGR                            |          |         |         |
|        |                     | 4023 VVLVTGAGGGLGR[162]                       |          |         |         |
|        |                     | 4024 GALVIVNDLGGDFK                           |          |         |         |
|        |                     | 4025 DATSLNQAALYR                             |          |         |         |
|        |                     | 4026 AAVAVPNRPPDAVLR                          |          |         |         |
| Q3TH46 | Q3TH46 Q3TH46_MOUSE | 17 days pregnant adult female amnion cDNA, l  | -0.00313 | 0.99371 | 2.2831  |
|        |                     | 4027 NQEQLAAELAEFTAK                          |          |         |         |
|        |                     | 4028 NQEQLAAELAEFTAK[134]                     |          |         |         |
| Q5D071 | Q5D071 Q5D071_MOUSE | Acyl-CoA synthetase long-chain family membe   | -0.06922 | 0.86152 | 3.3755  |
|        |                     | 4029 MMLSGGAPLSPQTHR                          |          |         |         |
|        |                     | 4030 NHYLKDIER                                |          |         |         |
|        |                     | 4031 MMLSGGAPLSPQTHR[162]                     |          |         |         |
| Q6PGF7 | Q6PGF7 EXOC8_MOUSE  | Exocyst complex component 8 - Mus musculus    | -0.38272 | 0.33478 | 10.8939 |
|        |                     | 4032 QNASFLYETVLPVVER[162]                    |          |         |         |
|        |                     | 4033 SSLESIPLALLPAAAAGASAGEDTAGAGPR           |          |         |         |
|        |                     | 4034 SSLESIPLALLPAAAAGASAGEDTAGAGPR[162]      |          |         |         |
|        |                     | 4035 QNASFLYETVLPVVER                         |          |         |         |
|        |                     | 4036 VQALAEETAQNLKR                           |          |         |         |

|        |                    |                                                |          |         |         |
|--------|--------------------|------------------------------------------------|----------|---------|---------|
|        |                    | 4037 VNPESTTSVV                                |          |         |         |
|        |                    | 4038 LLMFPESR                                  |          |         |         |
| Q8BWC0 | Q8BWC0 TPC2_MOUSE  | Two pore calcium channel protein 2 - Mus mu:   | 0.10071  | 0.81509 | 3.2832  |
|        |                    | 4039 AGPAGTTPELVGVNPETFLPVLQK                  |          |         |         |
|        |                    | 4040 AGPAGTTPELVGVNPETFLPVLQK[134]             |          |         |         |
| Q91VD9 | Q91VD9 NDUS1_MOUSE | NADH-ubiquinone oxidoreductase 75 kDa sub      | 0.44095  | 0.30585 | 10.729  |
|        |                    | 4041 FASEIAGVDDL GTTGR                         |          |         |         |
|        |                    | 4042 FASEIAGVDDL GTTGR[162]                    |          |         |         |
|        |                    | 4043 DDGAAILAAVS NMVQK                         |          |         |         |
|        |                    | 4044 VALIGSPVDLTYR                             |          |         |         |
|        |                    | 4045 GLLTYTSWEDALSR                            |          |         |         |
|        |                    | 4046 VALIGSPVDLTYR[162]                        |          |         |         |
|        |                    | 4047 GWNILTNSEK                                |          |         |         |
|        |                    | 4048 FEAPLFNAR                                 |          |         |         |
| Q9CZW4 | Q9CZW4 ACSL3_MOUSE | Long-chain-fatty-acid--CoA ligase 3 - Mus musc | 0.81953  | 0.05703 | 18.3333 |
|        |                    | 4049 LQAGEYVSLGK[134]                          |          |         |         |
|        |                    | 4050 LQAGEYVSLGK                               |          |         |         |
|        |                    | 4051 IGYSSPQTLADQSSK[134]                      |          |         |         |
|        |                    | 4052 LSPDPWTPETGLVTDAFK[134]                   |          |         |         |
|        |                    | 4053 WLC[174]TGDIGEFDPDGC[174]LK               |          |         |         |
|        |                    | 4054 WLC[174]TGDIGEFDPDGC[174]LK[134]          |          |         |         |
|        |                    | 4055 VLSEAAISASLEKFEIPLK                       |          |         |         |
|        |                    | 4056 LSPDPWTPETGLVTDAFK                        |          |         |         |
|        |                    | 4057 GDTSVLKPTLMAAVPEIMDR                      |          |         |         |
|        |                    | 4058 AKPVSSKPDSAYR                             |          |         |         |
|        |                    | 4059 IGYSSPQTLADQSSK                           |          |         |         |
|        |                    | 4060 NLFILAYNYK[134]                           |          |         |         |
|        |                    | 4061 NLFILAYNYK                                |          |         |         |
|        |                    | 4062 THYQADIER                                 |          |         |         |
| Q9D5V5 | Q9D5V5 CUL5_MOUSE  | Cullin-5 - Mus musculus                        | -0.08053 | 0.83917 | 3.2051  |
|        |                    | 4063 TLWSLVAFPK[134]                           |          |         |         |

|        |                    |                                                |          |         |         |
|--------|--------------------|------------------------------------------------|----------|---------|---------|
|        |                    | 4064 TLWSLVAFPK                                |          |         |         |
|        |                    | 4065 ISNAQLQTELVEILK                           |          |         |         |
| Q9EQH3 | Q9EQH3 VPS35_MOUSE | Vacuolar protein sorting-associated protein 35 | -0.45451 | 0.25202 | 17.8392 |
|        |                    | 4066 LNLEHIATSSAVSK[134]                       |          |         |         |
|        |                    | 4067 IR[162]EDLPNLESSEETEIQINK[134]            |          |         |         |
|        |                    | 4068 IREDLPNLESSEETEIQINK                      |          |         |         |
|        |                    | 4069 ESPESEGPIYEGIL                            |          |         |         |
|        |                    | 4070 LNLEHIATSSAVSK                            |          |         |         |
|        |                    | 4071 IPVDTYNNILTVLK[134]                       |          |         |         |
|        |                    | 4072 SDDPDQQYLILNTAR[162]                      |          |         |         |
|        |                    | 4073 SDDPDQQYLILNTAR                           |          |         |         |
|        |                    | 4074 LLDEAIQAVK[134]                           |          |         |         |
|        |                    | 4075 IPVDTYNNILTVLK                            |          |         |         |
|        |                    | 4076 LSQLEGVNVER                               |          |         |         |
|        |                    | 4077 HASNMLGELR[162]                           |          |         |         |
|        |                    | 4078 LFDIFSQQVATVIQSR                          |          |         |         |
|        |                    | 4079 LLDEAIQAVK                                |          |         |         |
|        |                    | 4080 LSQLEGVNVER[162]                          |          |         |         |
|        |                    | 4081 ILVGTNLVR[162]                            |          |         |         |
|        |                    | 4082 AELAELPLR[162]                            |          |         |         |
|        |                    | 4083 ILVGTNLVR                                 |          |         |         |
|        |                    | 4084 AELAELPLR                                 |          |         |         |
| Q9Z110 | Q9Z110 P5CS_MOUSE  | Delta-1-pyrroline-5-carboxylate synthetase - N | -0.60978 | 0.12434 | 8.805   |
|        |                    | 4085 LIDIFYPGDQQSVTFGTK[134]                   |          |         |         |
|        |                    | 4086 GPVGLEGLLTTK                              |          |         |         |
|        |                    | 4087 IIDLIIPR[162]                             |          |         |         |
|        |                    | 4088 IIDLIIPR                                  |          |         |         |
|        |                    | 4089 GPVGLEGLLTTK[134]                         |          |         |         |
|        |                    | 4090 MLATLEPEQR[162]                           |          |         |         |
|        |                    | 4091 LNSLAIGLR[162]                            |          |         |         |
|        |                    | 4092 LNSLAIGLR                                 |          |         |         |



|        |                    |                                              |          |         |         |
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|        |                    | 4093 LIDIFYPGDQQSVTFGTK                      |          |         |         |
|        |                    | 4094 FASYLTFSPSEVK                           |          |         |         |
|        |                    | 4095 MLATLEPEQR                              |          |         |         |
| P24638 | P24638 PPAL_MOUSE  | Lysosomal acid phosphatase precursor - Mus r | -0.15622 | 0.69380 | 32.3877 |
|        |                    | 4096 EGMLQHWELGQALR[162]                     |          |         |         |
|        |                    | 4097 LTEPVIPK                                |          |         |         |
|        |                    | 4098 FVTLLYR                                 |          |         |         |
|        |                    | 4099 FVTLLYR[162]                            |          |         |         |
|        |                    | 4100 WPQGFQGTK                               |          |         |         |
|        |                    | 4101 LTEPVIPK[134]                           |          |         |         |
|        |                    | 4102 EGMLQHWELGQALR                          |          |         |         |
|        |                    | 4103 LQGGVLLAQILK                            |          |         |         |
|        |                    | 4104 LQGGVLLAQILK[134]                       |          |         |         |
|        |                    | 4105 LSQLKDFSFLFLGIHEQVQK                    |          |         |         |
|        |                    | 4106 LSQLK[134]DFSFLFLGIHEQVQK[134]          |          |         |         |
|        |                    | 4107 LLVYSAHDTTLVALQMALNVYNGK                |          |         |         |
|        |                    | 4108 K[134]APWPLILPGC[174]PHR[162]           |          |         |         |
|        |                    | 4109 KAPWPLILPGC[174]PHR                     |          |         |         |
|        |                    | 4110 LLKFPLGPC[174]PR                        |          |         |         |
|        |                    | 4111 C[174]PLQDFLR[162]                      |          |         |         |
|        |                    | 4112 C[174]PLQDFLR                           |          |         |         |
|        |                    | 4113 WPQGFQGTK[134]                          |          |         |         |
|        |                    | 4114 FPLGPC[174]PR[162]                      |          |         |         |
|        |                    | 4115 QTPEYQNR                                |          |         |         |
| Q80WJ7 | Q80WJ7 LYRIC_MOUSE | Protein LYRIC - Mus musculus                 | 0.71214  | 0.09818 | 21.7617 |
|        |                    | 4116 SWQDELAQQAEEGSAR                        |          |         |         |
|        |                    | 4117 NKGDSHLNVQVSNEK                         |          |         |         |
|        |                    | 4118 TMSTSDPAEVLK                            |          |         |         |
|        |                    | 4119 EEAAPPTPAPDDLAQLK                       |          |         |         |
|        |                    | 4120 TELGLDLGLEPK                            |          |         |         |
|        |                    | 4121 TLPPAISAEPSITLSK                        |          |         |         |

|        |                   |                                           |          |         |         |
|--------|-------------------|-------------------------------------------|----------|---------|---------|
|        |                   | 4122 TMSTSDPAEVLK[134]                    |          |         |         |
|        |                   | 4123 KREEAAPPTPAPDDLAQLK                  |          |         |         |
|        |                   | 4124 EEAAPPTPAPDDLAQLK[134]               |          |         |         |
|        |                   | 4125 TVEVPEDEVVR                          |          |         |         |
|        |                   | 4126 GDSDNSSSQVPPMLQDTDKPK                |          |         |         |
|        |                   | 4127 TLPPAISAEPSITLSK[134]                |          |         |         |
|        |                   | 4128 TVEVPEDEVVR[162]                     |          |         |         |
|        |                   | 4129 TVEVPEDEVVRNPR                       |          |         |         |
| P26041 | P26041 MOES_MOUSE | Moesin - Mus musculus                     | -0.61265 | 0.12259 | 39.3414 |
|        |                   | 4130 TQEQLASEMAELTAR[162]                 |          |         |         |
|        |                   | 4131 ALELEQER[162]                        |          |         |         |
|        |                   | 4132 ALELEQER                             |          |         |         |
|        |                   | 4133 KTQEQLASEMAELTAR                     |          |         |         |
|        |                   | 4134 K[134]TQEQLASEMAELTAR[162]           |          |         |         |
|        |                   | 4135 TQEQLASEMAELTAR                      |          |         |         |
|        |                   | 4136 ERQEAEAKEALLQASR                     |          |         |         |
|        |                   | 4137 KTANDMIHAENMR                        |          |         |         |
|        |                   | 4138 TAMSTPHVAEPAENEHDEQDENGAEASAELR[162] |          |         |         |
|        |                   | 4139 TANDMIHAENMR[162]                    |          |         |         |
|        |                   | 4140 QEAEAEAK[134]EALLQASR[162]           |          |         |         |
|        |                   | 4141 ALTSELANAR[162]                      |          |         |         |
|        |                   | 4142 ALTSELANAR                           |          |         |         |
|        |                   | 4143 GMLR[162]EDAVLEYLK[134]              |          |         |         |
|        |                   | 4144 SGYLAGDK[134]LLPQR[162]              |          |         |         |
|        |                   | 4145 QEAEAEAKEALLQASR                     |          |         |         |
|        |                   | 4146 GMLREDAVLEYLK                        |          |         |         |
|        |                   | 4147 ALTSELANARDESK                       |          |         |         |
|        |                   | 4148 AQMVQEDLEK[134]                      |          |         |         |
|        |                   | 4149 AQMVQEDLEK                           |          |         |         |
|        |                   | 4150 ESEAVEWQQK[134]                      |          |         |         |
|        |                   | 4151 ISQLEMAR[162]                        |          |         |         |

4152 SGYLAGDKLLPQR  
4153 ALTSELANAR[162]DESK[134]  
4154 TANDMIHAENMR  
4155 ISQLEMAR  
4156 EDAVLEYLK  
4157 QRIDEFESM  
4158 KESPLLFK  
4159 AFSTWLK  
4160 K[134]ESPLLFK[134]  
4161 ER[162]QEAEAK[134]EALLQASR[162]  
4162 QR[162]IDEFESM  
4163 AQQELEEQTR  
4164 AQQELEEQTR[162]  
4165 K[134]TANDMIHAENMR[162]  
4166 R[162]ALELEQER[162]  
4167 SGYLAGDK  
4168 SGYLAGDK[134]  
4169 AQMVQEDLEK[134]TR[162]  
4170 AQMVQEDLEKTR  
4171 ALTSELANARDESKK  
4172 IQVWHEEHR[162]  
4173 LNKDQWEER  
4174 ALTSELANAR[162]DESK[134]K[134]  
4175 LNK[134]DQWEER[162]  
4176 IQVWHEEHR  
4177 YGDFNK[134]EVHK[134]  
4178 K[134]AQQELEEQTR[162]R[162]  
4179 KAAQELEEQTRR  
4180 YGDFNK  
4181 RALELEQER  
4182 EALLQASR[162]

|        |                  |                                      |          |         |         |
|--------|------------------|--------------------------------------|----------|---------|---------|
|        |                  | 4183 ALLENEK[134]K[134]              |          |         |         |
|        |                  | 4184 ESEAVEWQQK                      |          |         |         |
|        |                  | 4185 ALLENEKK                        |          |         |         |
|        |                  | 4186 YGDFNKEVHK                      |          |         |         |
|        |                  | 4187 EALLQASR                        |          |         |         |
| P46460 | P46460 NSF_MOUSE | Vesicle-fusing ATPase - Mus musculus | -0.54565 | 0.16908 | 22.3118 |
|        |                  | 4188 TPLVSVLLEGPPHSGK                |          |         |         |
|        |                  | 4189 VLDDGELLVQQTK                   |          |         |         |
|        |                  | 4190 VLDDGELLVQQTK[134]              |          |         |         |
|        |                  | 4191 GSMAGSTGVHDTVVNQLLSK            |          |         |         |
|        |                  | 4192 NSDRTPLVSVLLEGPPHSGK            |          |         |         |
|        |                  | 4193 NSDR[162]TPLVSVLLEGPPHSGK[134]  |          |         |         |
|        |                  | 4194 TPLVSVLLEGPPHSGK[134]           |          |         |         |
|        |                  | 4195 LQILHIHTAR                      |          |         |         |
|        |                  | 4196 NFSGAELEGLVR[162]               |          |         |         |
|        |                  | 4197 AENSSLNLIGK[134]                |          |         |         |
|        |                  | 4198 QSIINPDWNFEK                    |          |         |         |
|        |                  | 4199 GSMAGSTGVHDTVVNQLLSK[134]       |          |         |         |
|        |                  | 4200 QSIINPDWNFEK[134]               |          |         |         |
|        |                  | 4201 K[134]LLIIGTTSR[162]            |          |         |         |
|        |                  | 4202 LLDYVPIGPR                      |          |         |         |
|        |                  | 4203 VVNGPEILNK[134]                 |          |         |         |
|        |                  | 4204 AENSSLNLIGK                     |          |         |         |
|        |                  | 4205 LLDYVPIGPR[162]                 |          |         |         |
|        |                  | 4206 LQILHIHTAR[162]                 |          |         |         |
|        |                  | 4207 NFSGAELEGLVR                    |          |         |         |
|        |                  | 4208 KLLIIGTTSR                      |          |         |         |
|        |                  | 4209 MEIGLPDEKGR                     |          |         |         |
|        |                  | 4210 YVGESEANIR                      |          |         |         |
|        |                  | 4211 IAEESNFPFIK[134]                |          |         |         |
|        |                  | 4212 IAEESNFPFIK                     |          |         |         |

|        |                    |                                               |          |         |         |
|--------|--------------------|-----------------------------------------------|----------|---------|---------|
|        |                    | 4213 MEIGLPDEK                                |          |         |         |
|        |                    | 4214 YVGESEANIR[162]                          |          |         |         |
|        |                    | 4215 LLIIGTTSR                                |          |         |         |
|        |                    | 4216 YIFTLR[162]                              |          |         |         |
| Q62167 | Q62167 DDX3X_MOUSE | ATP-dependent RNA helicase DDX3X - Mus mu     | 0.19757  | 0.64638 | 7.2508  |
|        |                    | 4217 VGNLGLATSFFNER                           |          |         |         |
|        |                    | 4218 VGNLGLATSFFNER[162]                      |          |         |         |
|        |                    | 4219 SPILVATAVAAR                             |          |         |         |
|        |                    | 4220 SPILVATAVAAR[162]                        |          |         |         |
|        |                    | 4221 QYPISLVLAPTR                             |          |         |         |
|        |                    | 4222 DLLDLLVEAK                               |          |         |         |
| P08003 | P08003 PDIA4_MOUSE | Protein disulfide-isomerase A4 precursor - Mu | -0.00313 | 0.99371 | 14.2633 |
|        |                    | 4223 IDATSASMLASK                             |          |         |         |
|        |                    | 4224 IDATSASMLASK[134]                        |          |         |         |
|        |                    | 4225 MDATANDITNDQYK                           |          |         |         |
|        |                    | 4226 MDATANDITNDQYK[134]                      |          |         |         |
|        |                    | 4227 VDATEQTDLAK                              |          |         |         |
|        |                    | 4228 VDATEQTDLAK[134]                         |          |         |         |
|        |                    | 4229 FHHTFSPEIAK                              |          |         |         |
|        |                    | 4230 HALPLVGHR[162]                           |          |         |         |
|        |                    | 4231 HALPLVGHR                                |          |         |         |
|        |                    | 4232 GRPFDYNGPR                               |          |         |         |
|        |                    | 4233 IASTLKDNPPPIAVAK                         |          |         |         |
|        |                    | 4234 TQEEIVAK                                 |          |         |         |
|        |                    | 4235 FHHTFSPEIAK[134]                         |          |         |         |
| P29341 | P29341 PABP1_MOUSE | Polyadenylate-binding protein 1 - Mus musculi | 0.42419  | 0.32460 | 25      |
|        |                    | 4236 SKVDEAVAVLQAHQAK                         |          |         |         |
|        |                    | 4237 YQGVNLYVK                                |          |         |         |
|        |                    | 4238 AVNSATGVPTV                              |          |         |         |
|        |                    | 4239 AKEFTNVYIK                               |          |         |         |
|        |                    | 4240 YQGVNLYVK[134]                           |          |         |         |

|        |                    |                                                |          |         |         |
|--------|--------------------|------------------------------------------------|----------|---------|---------|
|        |                    | 4241 FGPALSVK                                  |          |         |         |
|        |                    | 4242 ALYDTFSAFGNILSC[174]K                     |          |         |         |
|        |                    | 4243 ALYDTFSAFGNILSC[174]K[134]                |          |         |         |
|        |                    | 4244 SLGYAYVNFQQPADAER                         |          |         |         |
|        |                    | 4245 IVATKPLYVALAQR                            |          |         |         |
|        |                    | 4246 ALDTMNFDFVIK                              |          |         |         |
|        |                    | 4247 FSPAGPILSIR                               |          |         |         |
|        |                    | 4248 LFPLIQAMHPSLAGK                           |          |         |         |
|        |                    | 4249 EFSPFGTITSAK                              |          |         |         |
|        |                    | 4250 FSPAGPILSIR[162]                          |          |         |         |
|        |                    | 4251 SGVGNIFIK                                 |          |         |         |
|        |                    | 4252 LFPLIQAMHPSLAGK[134]                      |          |         |         |
|        |                    | 4253 ALDTMNFDFVIK[134]                         |          |         |         |
| P38647 | P38647 GRP75_MOUSE | Stress-70 protein, mitochondrial precursor - M | -0.10343 | 0.79435 | 8.6892  |
|        |                    | 4254 SQVFSTAADGQTQVEIK                         |          |         |         |
|        |                    | 4255 SQVFSTAADGQTQVEIK[134]                    |          |         |         |
|        |                    | 4256 QAVTNPNNTFYATK[134]                       |          |         |         |
|        |                    | 4257 QAVTNPNNTFYATK                            |          |         |         |
|        |                    | 4258 ETGVDLTK[134]DNMALQR[162]                 |          |         |         |
|        |                    | 4259 QAVTNPNNTFYATKR                           |          |         |         |
|        |                    | 4260 ETGVDLTKDNMALQR                           |          |         |         |
|        |                    | 4261 QAASSLQQASLK[134]                         |          |         |         |
|        |                    | 4262 QAASSLQQASLK                              |          |         |         |
| P50516 | P50516 VATA_MOUSE  | Vacuolar ATP synthase catalytic subunit A - Mt | -1.91961 | 0.00000 | 48.7844 |
|        |                    | 4263 DMGYHVSMMADSTSR[162]                      |          |         |         |
|        |                    | 4264 TALVANTSNNMPVAAR                          |          |         |         |
|        |                    | 4265 TALVANTSNNMPVAAR[162]                     |          |         |         |
|        |                    | 4266 LPANHPLLTGQR[162]                         |          |         |         |
|        |                    | 4267 LPANHPLLTGQR                              |          |         |         |
|        |                    | 4268 GNEMSEVLR[162]                            |          |         |         |
|        |                    | 4269 EHMGEILYK[134]                            |          |         |         |

4270 GNEMSEVLR  
4271 FK[134]DPVK[134]DGEAK[134]  
4272 GVNVSALSR  
4273 EHMGEILYK  
4274 TVISQSLSK  
4275 TVISQSLSK[134]  
4276 GVNVSALSR[162]  
4277 LASFYER[162]  
4278 LASFYER  
4279 IMLPPR[162]  
4280 ADYAQLLEDMQNAFR[162]  
4281 EILQEEEDLAEIVQLVGK  
4282 LAEMPADSGYPAYLGAR  
4283 LAEMPADSGYPAYLGAR[162]  
4284 IK[134]ADYAQLLEDMQNAFR[162]  
4285 TVGMLSNMISFYDMAR[162]  
4286 VGSHTGGDIYGIVNENSLIK[134]  
4287 VLDALFPC[174]VQGGTTAIPGAFGC[174]GK[134]  
4288 YSNSDVIIYVGC[174]GER[162]  
4289 ALDEYYDK[134]HFTEFVPLR[162]  
4290 VGSHTGGDIYGIVNENSLIK  
4291 EILQEEEDLAEIVQLVGK[134]  
4292 HFPSVNWLSYSK[134]  
4293 AK[134]EILQEEEDLAEIVQLVGK[134]  
4294 VGHSELVGEIIR  
4295 ADYAQLLEDMQNAFR  
4296 TVGMLSNMISFYDMAR  
4297 AKEILQEEEDLAEIVQLVGK  
4298 FSMVQVWPVR[162]  
4299 VLDALFPC[174]VQGGTTAIPGAFGC[174]GK  
4300 VGHSELVGEIIR[162]

|        |                     |                                                 |          |         |         |
|--------|---------------------|-------------------------------------------------|----------|---------|---------|
|        |                     | 4301 DIK[134]WEFIPSK[134]                       |          |         |         |
|        |                     | 4302 FKDPVKDGEAK                                |          |         |         |
|        |                     | 4303 C[174]LGNER[162]                           |          |         |         |
| Q3TW93 | Q3TW93 Q3TW93_MOUSE | Osteoclast-like cell cDNA, RIKEN full-length en | -0.21123 | 0.59448 | 2.2091  |
|        |                     | 4304 ALLAGKDSETGENIR                            |          |         |         |
|        |                     | 4305 ALLAGK[134]DSETGENIR[162]                  |          |         |         |
| Q91ZR2 | Q91ZR2 SNX18_MOUSE  | Sorting nexin-18 - Mus musculus                 | 0.54278  | 0.20751 | 10.4235 |
|        |                     | 4306 APEPGPPADGGPGAPAR                          |          |         |         |
|        |                     | 4307 SENPGEISLR                                 |          |         |         |
|        |                     | 4308 FEEDFISKR                                  |          |         |         |
|        |                     | 4309 FEEDFISK                                   |          |         |         |
|        |                     | 4310 LAEKFPVISVPHLPEK                           |          |         |         |
|        |                     | 4311 GLFPASYVQVIR                               |          |         |         |
|        |                     | 4312 GLFPASYVQVIR[162]                          |          |         |         |
| O35250 | O35250 EXOC7_MOUSE  | Exocyst complex component 7 - Mus musculus      | -0.24904 | 0.53025 | 5.165   |
|        |                     | 4313 LEEYLGSMK                                  |          |         |         |
|        |                     | 4314 SSSSGVPYSPAIPNK                            |          |         |         |
|        |                     | 4315 LENSIIPVHK[134]                            |          |         |         |
| Q64735 | Q64735 CRRY_MOUSE   | Complement regulatory protein Crry precursor    | 0.64865  | 0.13200 | 14.2857 |
|        |                     | 4316 LPQEMSGFQK                                 |          |         |         |
|        |                     | 4317 LPQEMSGFQK[134]                            |          |         |         |
|        |                     | 4318 LQSLTSQENSSTTSPAR                          |          |         |         |
|        |                     | 4319 LQSLTSQENSSTTSPAR[162]                     |          |         |         |
|        |                     | 4320 QDSTWTSKEDK[134]                           |          |         |         |
|        |                     | 4321 GASSVHC[174]QSLNK                          |          |         |         |
|        |                     | 4322 QDSTWTSKEDK                                |          |         |         |
|        |                     | 4323 GASSVHC[174]QSLNK[134]                     |          |         |         |
|        |                     | 4324 GASSVHC[174]QSLNKWEPELPSC[174]FK           |          |         |         |
|        |                     | 4325 C[174]HPGFIMK                              |          |         |         |
|        |                     | 4326 C[174]HPGFIMK[134]                         |          |         |         |
| P17156 | P17156 HSP72_MOUSE  | Heat shock-related 70 kDa protein 2 - Mus mu    | -0.16233 | 0.68247 | 12.4803 |



|        |                    |      |                                              |          |         |         |
|--------|--------------------|------|----------------------------------------------|----------|---------|---------|
|        |                    | 4327 | STAGDTHLGGEDFDNR                             |          |         |         |
|        |                    | 4328 | IINEPTAAAIAYGLDKK                            |          |         |         |
|        |                    | 4329 | IINEPTAAAIAYGLDK[134]K[134]                  |          |         |         |
|        |                    | 4330 | LLQDFFNGK[134]ELNK[134]                      |          |         |         |
|        |                    | 4331 | STAGDTHLGGEDFDNR[162]                        |          |         |         |
|        |                    | 4332 | ARFEELNADLFR                                 |          |         |         |
|        |                    | 4333 | AR[162]FEELNADLFR[162]                       |          |         |         |
|        |                    | 4334 | FEELNADLFR[162]                              |          |         |         |
|        |                    | 4335 | LLQDFFNGKELNK                                |          |         |         |
|        |                    | 4336 | VQVEYK[134]                                  |          |         |         |
|        |                    | 4337 | DNNLLGK                                      |          |         |         |
|        |                    | 4338 | DNNLLGK[134]                                 |          |         |         |
|        |                    | 4339 | R[162]NTTIPTK[134]                           |          |         |         |
| P22437 | P22437 PGH1_MOUSE  |      | Prostaglandin G/H synthase 1 precursor - Mus | -0.25659 | 0.51785 | 10.6312 |
|        |                    | 4340 | K[134]QLPDVQLLAQQLLR[162]                    |          |         |         |
|        |                    | 4341 | FGLK[134]PYTSFQELTGEK[134]                   |          |         |         |
|        |                    | 4342 | QLPDVQLLAQQLLR[162]                          |          |         |         |
|        |                    | 4343 | QLPDVQLLAQQLLR                               |          |         |         |
|        |                    | 4344 | ALGHGVDLGHIYGDNLER                           |          |         |         |
|        |                    | 4345 | ALGHGVDLGHIYGDNLER[162]                      |          |         |         |
|        |                    | 4346 | KQLPDVQLLAQQLLR                              |          |         |         |
|        |                    | 4347 | VPDYPGDDGSVLVR[162]                          |          |         |         |
| P63017 | P63017 HSP7C_MOUSE |      | Heat shock cognate 71 kDa protein - Mus mus  | -0.27979 | 0.48072 | 45.2012 |
|        |                    | 4348 | FDDAVVQSDMK[134]                             |          |         |         |
|        |                    | 4349 | LDKSQIHDIVLVGGSTR                            |          |         |         |
|        |                    | 4350 | LDK[134]SQIHDIVLVGGSTR[162]                  |          |         |         |
|        |                    | 4351 | MK[134]EIAEAYLGK[134]                        |          |         |         |
|        |                    | 4352 | MVNHFIAEFK                                   |          |         |         |
|        |                    | 4353 | NQVAMNPTNTVFDAK                              |          |         |         |
|        |                    | 4354 | NQVAMNPTNTVFDAKR                             |          |         |         |
|        |                    | 4355 | NSLESYAFNMK                                  |          |         |         |

4356 NSLESYAFNMK[134]  
4357 SINPDEAVAYGA AVQAAILSGDK  
4358 SINPDEAVAYGA AVQAAILSGDK[134]  
4359 SQIHDIVLVGGSTR  
4360 TVTNAVVTVPAYFND SQR  
4361 TVTNAVVTVPAYFND SQR[162]  
4362 GPAVGIDLGTTYSC[174]VGVFQHGK  
4363 GPAVGIDLGTTYSC[174]VGVFQHGK[134]  
4364 HWPFMVVNDAGR PK  
4365 MKEIAEAYLGK  
4366 MVNHFIAEFKR  
4367 NVLIFDLGGGTFDVSILTIEDGIFEVK  
4368 NVLIFDLGGGTFDVSILTIEDGIFEVK[134]  
4369 SFYPEEVSSMVLTK  
4370 SFYPEEVSSMVLTK[134]  
4371 MVNHFIAEFK[134]  
4372 HWPFMVVNDAGR[162]PK[134]  
4373 SQIHDIVLVGGSTR[162]  
4374 MVNHFIAEFK[134]R[162]  
4375 R[162]FDDAVVQSDMK[134]  
4376 NQTAEKEEFEHQK  
4377 NQTAEK[134]EEFEHQK[134]  
4378 NQVAMNPTNTVFDAK[134]R[162]  
4379 QATKDAGTIAGLNVLR  
4380 DAGTIAGLNVLR[162]  
4381 FDDAVVQSDMK  
4382 RFDDAVVQSDMK  
4383 FELTGIPPAPR  
4384 DAGTIAGLNVLR  
4385 EIAEAYLGK  
4386 VQVEYK[134]GETK[134]

|        |                     |                                                  |          |         |        |
|--------|---------------------|--------------------------------------------------|----------|---------|--------|
|        |                     | 4387 LSKEDIER                                    |          |         |        |
|        |                     | 4388 MVQEAEKYKADEK                               |          |         |        |
|        |                     | 4389 EIAEAYLGK[134]                              |          |         |        |
|        |                     | 4390 DNNLLGKFELTGIPPAPR                          |          |         |        |
|        |                     | 4391 FELTGIPPAPR[162]                            |          |         |        |
|        |                     | 4392 VQVEYKGETK                                  |          |         |        |
|        |                     | 4393 LSK[134]EDIER[162]                          |          |         |        |
|        |                     | 4394 VC[174]NPIITK[134]                          |          |         |        |
|        |                     | 4395 MVQEAEKYK                                   |          |         |        |
|        |                     | 4396 VC[174]NPIITK                               |          |         |        |
|        |                     | 4397 MVQEAEK[134]YK[134]                         |          |         |        |
|        |                     | 4398 DNNLLGK[134]FELTGIPPAPR[162]                |          |         |        |
|        |                     | 4399 GTLDPVEK[134]                               |          |         |        |
| Q3TPX4 | Q3TPX4 EXOC5_MOUSE  | Exocyst complex component 5 - Mus musculus       | -0.46930 | 0.23691 | 6.9209 |
|        |                     | 4400 VC[174]HLGDQLEGVNTPR                        |          |         |        |
|        |                     | 4401 VC[174]HLGDQLEGVNTPR[162]                   |          |         |        |
|        |                     | 4402 QVGDIIFSNEAVLAK[134]                        |          |         |        |
|        |                     | 4403 QVGDIIFSNEAVLAK                             |          |         |        |
|        |                     | 4404 SIGTGGIQDLK[134]                            |          |         |        |
|        |                     | 4405 SLYDLYTR[162]                               |          |         |        |
|        |                     | 4406 SIGTGGIQDLK                                 |          |         |        |
| Q61207 | Q61207 SAP_MOUSE    | Sulfated glycoprotein 1 precursor - Mus musculus | 1.32739  | 0.00205 | 7.5404 |
|        |                     | 4407 VVAPFMSNIPLLLYPQDHPR                        |          |         |        |
|        |                     | 4408 TC[174]SGGSAVLC[174]R                       |          |         |        |
|        |                     | 4409 VVAPFMSNIPLLLYPQDHPR[162]                   |          |         |        |
|        |                     | 4410 TVVTEAGNLLK                                 |          |         |        |
| Q61213 | Q61213 Q61213_MOUSE | Gag - Mus musculus                               | 2.01913  | 0.00000 | 4.5949 |
|        |                     | 4411 ELGGPLTNAGLAAAILQSQNR                       |          |         |        |
|        |                     | 4412 GLQDWLR                                     |          |         |        |
|        |                     | 4413 QGGTLTLC[174]SK                             |          |         |        |
| Q61696 | Q61696 HS71A_MOUSE  | Heat shock 70 kDa protein 1A - Mus musculus      | -0.38272 | 0.33478 | 5.7722 |

|        |                    |                                                   |          |         |         |
|--------|--------------------|---------------------------------------------------|----------|---------|---------|
|        |                    | 4414 QTQTFTTYS DNQPGVLIQVYEGER                    |          |         |         |
|        |                    | 4415 TTPSYVAFTDTER[162]                           |          |         |         |
|        |                    | 4416 TTPSYVAFTDTER                                |          |         |         |
| Q64521 | Q64521 GPDM_MOUSE  | Glycerol-3-phosphate dehydrogenase, mitochondrion | -0.71166 | 0.07288 | 7.2902  |
|        |                    | 4417 LAFLNVQAEEALPR[162]                          |          |         |         |
|        |                    | 4418 YGAATANYMEVVSLK[134]                         |          |         |         |
|        |                    | 4419 LAFLNVQAEEALPR                               |          |         |         |
|        |                    | 4420 YGAATANYMEVVSLK                              |          |         |         |
|        |                    | 4421 LVSEFPYIEAEVK[134]                           |          |         |         |
|        |                    | 4422 VIFFLPWEK                                    |          |         |         |
| Q68FL4 | Q68FL4 SAHH3_MOUSE | Putative adenosylhomocysteinase 3 - Mus musculus  | -0.28786 | 0.46817 | 6.6884  |
|        |                    | 4423 EIEIAEQEMPALMALR                             |          |         |         |
|        |                    | 4424 EIEIAEQEMPALMALR[162]                        |          |         |         |
|        |                    | 4425 DGGEALVSPDGTVTEAPR                           |          |         |         |
|        |                    | 4426 VPEVELK                                      |          |         |         |
| Q6A0D4 | Q6A0D4 RFTN1_MOUSE | Raftlin - Mus musculus                            | -0.07160 | 0.85681 | 36.6426 |
|        |                    | 4427 AGDVGNC[174]VLGAPQWGR[162]                   |          |         |         |
|        |                    | 4428 SEGDPSTNGPEELPSR                             |          |         |         |
|        |                    | 4429 SEGDPSTNGPEELPSR[162]                        |          |         |         |
|        |                    | 4430 DLPDQLLELYQQGFSLAALHPFVQPTR                  |          |         |         |
|        |                    | 4431 LK[134]PVANSVEDAR[162]                       |          |         |         |
|        |                    | 4432 KMEIFAFFNRPK                                 |          |         |         |
|        |                    | 4433 MEIFAFFNRPK                                  |          |         |         |
|        |                    | 4434 AAETDAATAGVNR                                |          |         |         |
|        |                    | 4435 K[134]VQEAASQGLK[134]                        |          |         |         |
|        |                    | 4436 FVSVVPQYQPSVSSAGSR                           |          |         |         |
|        |                    | 4437 FVSVVPQYQPSVSSAGSR[162]                      |          |         |         |
|        |                    | 4438 AAETDAATAGVNR[162]                           |          |         |         |
|        |                    | 4439 AEAELAAGPTPTAN                               |          |         |         |
|        |                    | 4440 QYYPVTIPLQVSK[134]                           |          |         |         |
|        |                    | 4441 AGDVGNC[174]VLGAPQWGR                        |          |         |         |

|        |                     |                                              |          |         |         |
|--------|---------------------|----------------------------------------------|----------|---------|---------|
|        |                     | 4442 KVQEAASQGLK                             |          |         |         |
|        |                     | 4443 LKPVANSVEDAR                            |          |         |         |
|        |                     | 4444 QYYPVTIPLQVSK                           |          |         |         |
|        |                     | 4445 VQEAASQGLK                              |          |         |         |
|        |                     | 4446 VQEAASQGLK[134]                         |          |         |         |
|        |                     | 4447 SSLENDTPK[134]                          |          |         |         |
|        |                     | 4448 ILLEHIFR                                |          |         |         |
|        |                     | 4449 QGSAAVQNGPAGHNR[162]                    |          |         |         |
|        |                     | 4450 RLKPVANSVEDAR                           |          |         |         |
|        |                     | 4451 NLEDQFSK[134]                           |          |         |         |
|        |                     | 4452 ILLEHIFR[162]                           |          |         |         |
|        |                     | 4453 SSLENDTPK                               |          |         |         |
|        |                     | 4454 RPGNIYSTLK                              |          |         |         |
|        |                     | 4455 NLEDQFSK                                |          |         |         |
|        |                     | 4456 QGSAAVQNGPAGHNR                         |          |         |         |
| Q80VA0 | Q80VA0 GALT7_MOUSE  | N-acetylgalactosaminyltransferase 7 - Mus mu | 0.12061  | 0.77942 | 10.3501 |
|        |                     | 4457 LEGWQGNPPPLYVGSSPTLK[134]               |          |         |         |
|        |                     | 4458 LEGWQGNPPPLYVGSSPTLK                    |          |         |         |
|        |                     | 4459 MGGNQLFR                                |          |         |         |
|        |                     | 4460 AK[134]PLVLGPEYK[134]                   |          |         |         |
|        |                     | 4461 AKPLVLGPEYK                             |          |         |         |
|        |                     | 4462 ALPYGDISELKK                            |          |         |         |
|        |                     | 4463 GAWDWSMLWK[134]                         |          |         |         |
|        |                     | 4464 EGLIQAR[162]                            |          |         |         |
| Q80VF9 | Q80VF9 Q80VF9_MOUSE | Rftn1 protein (Fragment) - Mus musculus      | 0.19757  | 0.64638 | 6.5476  |
|        |                     | 4465 LSASDKQQAENEKNLEDQFSK                   |          |         |         |
|        |                     | 4466 LSASDKQQAENEK                           |          |         |         |
| Q8BG07 | Q8BG07 PLD4_MOUSE   | Phospholipase D4 - Mus musculus              | -0.54395 | 0.17041 | 11.1332 |
|        |                     | 4467 TSTDQLVLAHGAQIR[162]                    |          |         |         |
|        |                     | 4468 TFQTYWVLGTPQAVLPK                       |          |         |         |
|        |                     | 4469 AQP GATTVQEQLR[162]                     |          |         |         |

|        |                    |                                                |          |         |         |
|--------|--------------------|------------------------------------------------|----------|---------|---------|
|        |                    | 4470 TSTDQLVLAHGAQIR                           |          |         |         |
|        |                    | 4471 YWPVLDNALR                                |          |         |         |
| Q8BH59 | Q8BH59 CMC1_MOUSE  | Calcium-binding mitochondrial carrier protein  | 0.15960  | 0.71092 | 17.873  |
|        |                    | 4472 IAPLAEGALPYNLAELQR                        |          |         |         |
|        |                    | 4473 IAPLAEGALPYNLAELQR[162]                   |          |         |         |
|        |                    | 4474 VGGINLLTAGALAGVPAASLVTPADVIK[134]         |          |         |         |
|        |                    | 4475 YLGLYNDPNSNPK                             |          |         |         |
|        |                    | 4476 FTLGSVAGAVGATAVYPIDLVK                    |          |         |         |
|        |                    | 4477 LTVNDFVR                                  |          |         |         |
|        |                    | 4478 LATATFAGIENK                              |          |         |         |
|        |                    | 4479 LTLADIER[162]                             |          |         |         |
|        |                    | 4480 LTLADIER                                  |          |         |         |
|        |                    | 4481 FKSPSVAVAQPK                              |          |         |         |
| Q8JZR0 | Q8JZR0 ACSL5_MOUSE | Long-chain-fatty-acid--CoA ligase 5 - Mus musc | -0.38272 | 0.33478 | 16.5447 |
|        |                    | 4482 SIFVHPEPFTIENGLLTPTLK[134]                |          |         |         |
|        |                    | 4483 LMITGAAPISTPVLTFRR[162]                   |          |         |         |
|        |                    | 4484 NNDLILYYFSDAK                             |          |         |         |
|        |                    | 4485 NNDLILYYFSDAK[134]                        |          |         |         |
|        |                    | 4486 TIILMDPFDDDLMK[134]                       |          |         |         |
|        |                    | 4487 SFLIGVVVPDPDSLPSFAAK[134]                 |          |         |         |
|        |                    | 4488 ATMLVENVEK[134]                           |          |         |         |
|        |                    | 4489 LMITGAAPISTPVLTFRR                        |          |         |         |
|        |                    | 4490 TIILMDPFDDDLMK                            |          |         |         |
|        |                    | 4491 ATMLVENVEK                                |          |         |         |
|        |                    | 4492 SIFVHPEPFTIENGLLTPTLK                     |          |         |         |
|        |                    | 4493 EAILEDLQK[134]                            |          |         |         |
|        |                    | 4494 TLYENFQR[162]                             |          |         |         |
| Q8VC42 | Q8VC42 MIC1_MOUSE  | Uncharacterized protein C18orf8 homolog - M    | 0.21619  | 0.61565 | 13.5464 |
|        |                    | 4495 TQAVVDQSDVYTQVLSPFVENK                    |          |         |         |
|        |                    | 4496 LPKFEIELPAAPK                             |          |         |         |
|        |                    | 4497 QTDDVMLFYTIFR                             |          |         |         |

|        |                   |                                                 |          |         |         |
|--------|-------------------|-------------------------------------------------|----------|---------|---------|
|        |                   | 4498 SGGATGVVVK[134]                            |          |         |         |
|        |                   | 4499 GIGGHDNISAR                                |          |         |         |
|        |                   | 4500 ATLPVIATVFDK                               |          |         |         |
|        |                   | 4501 GIGGHDNISAR[162]                           |          |         |         |
|        |                   | 4502 HQVLAALR[162]                              |          |         |         |
| Q91WC9 | Q91WC9 DGLB_MOUSE | Sn1-specific diacylglycerol lipase beta - Mus m | 0.27951  | 0.51629 | 2.9895  |
|        |                   | 4503 MLIDHMPDVMIR[162]                          |          |         |         |
|        |                   | 4504 MLIDHMPDVMIR                               |          |         |         |
|        |                   | 4505 AYAFSPPR                                   |          |         |         |
| Q99KN9 | Q99KN9 EPN4_MOUSE | Clathrin interactor 1 - Mus musculus            | 0.18817  | 0.66213 | 9.0333  |
|        |                   | 4506 EATNDPWGPSGQLMGEIAK                        |          |         |         |
|        |                   | 4507 QDAFANFANFSK                               |          |         |         |
|        |                   | 4508 HIHITQATETTTTR                             |          |         |         |
|        |                   | 4509 IGSTIDDTISK                                |          |         |         |
|        |                   | 4510 IGSTIDDTISK[134]                           |          |         |         |
| Q99MB1 | Q99MB1 TLR3_MOUSE | Toll-like receptor 3 precursor - Mus musculus   | -0.34800 | 0.38046 | 5.8564  |
|        |                   | 4511 LGTGVQLENLQELLLAK                          |          |         |         |
|        |                   | 4512 LGTGVQLENLQELLLAK[134]                     |          |         |         |
|        |                   | 4513 ILDLGLNEIEQK[134]                          |          |         |         |
|        |                   | 4514 LEPELC[174]QILPLLK[134]                    |          |         |         |
|        |                   | 4515 SNTFTGLVSLK[134]                           |          |         |         |
|        |                   | 4516 LEPELC[174]QILPLLK                         |          |         |         |
| Q9CWK8 | Q9CWK8 SNX2_MOUSE | Sorting nexin-2 - Mus musculus                  | 0.03931  | 0.92727 | 21.3873 |
|        |                   | 4517 ELILSSEPSPAVTPVTPTTLIAPR                   |          |         |         |
|        |                   | 4518 ELILSSEPSPAVTPVTPTTLIAPR[162]              |          |         |         |
|        |                   | 4519 SAAMLGNSDHTALSR[162]                       |          |         |         |
|        |                   | 4520 SAAMLGNSDHTALSR                            |          |         |         |
|        |                   | 4521 TVKHPTLLQDPDLR                             |          |         |         |
|        |                   | 4522 AVNTQALSGAGILR[162]                        |          |         |         |
|        |                   | 4523 AVNTQALSGAGILR                             |          |         |         |
|        |                   | 4524 QQQFENLDQQLR                               |          |         |         |

|        |                    |                                             |         |         |         |
|--------|--------------------|---------------------------------------------|---------|---------|---------|
|        |                    | 4525 ELSANTAAFAK                            |         |         |         |
|        |                    | 4526 ELSANTAAFAK[134]                       |         |         |         |
|        |                    | 4527 QFLESSELPR[162]                        |         |         |         |
|        |                    | 4528 SISAPVIFDR[162]                        |         |         |         |
|        |                    | 4529 QFLESSELPR                             |         |         |         |
| Q9D0E1 | Q9D0E1 HNRPM_MOUSE | Heterogeneous nuclear ribonucleoprotein M - | 0.25687 | 0.55084 | 25.5144 |
|        |                    | 4530 GIGMGNLGPAGMGMGEGIGFGINK               |         |         |         |
|        |                    | 4531 GIGMGNLGPAGMGMGEGIGFGINK[134]          |         |         |         |
|        |                    | 4532 QGGGGAGGSVPGIER[162]                   |         |         |         |
|        |                    | 4533 IGGMEGPFGGGMENMGR                      |         |         |         |
|        |                    | 4534 MGPAMGPALGAGIER                        |         |         |         |
|        |                    | 4535 QGGGGAGGSVPGIER                        |         |         |         |
|        |                    | 4536 AFITNIPFDVK[134]                       |         |         |         |
|        |                    | 4537 VGEVTYVELLMDAEGK                       |         |         |         |
|        |                    | 4538 VGEVTYVELLMDAEGK[134]                  |         |         |         |
|        |                    | 4539 AFITNIPFDVK                            |         |         |         |
|        |                    | 4540 MGPAMGPALGAGIER[162]                   |         |         |         |
|        |                    | 4541 MGANNLER                               |         |         |         |
|        |                    | 4542 INEILSNALK[134]                        |         |         |         |
|        |                    | 4543 MGANSLER                               |         |         |         |
|        |                    | 4544 MGANNLER[162]                          |         |         |         |
|        |                    | 4545 MVPTGMGASLER[162]                      |         |         |         |
|        |                    | 4546 MGANSLER[162]                          |         |         |         |
|        |                    | 4547 INEILSNALK                             |         |         |         |
|        |                    | 4548 MGLVMDR[162]                           |         |         |         |
|        |                    | 4549 MVPTGMGASLER                           |         |         |         |
|        |                    | 4550 GC[174]AVVEFK                          |         |         |         |
|        |                    | 4551 MGPVMDR                                |         |         |         |
|        |                    | 4552 FGSGMNMGR                              |         |         |         |
|        |                    | 4553 MGLVMDR                                |         |         |         |
|        |                    | 4554 MGAGLGHGMDR                            |         |         |         |



|        |                    |                                                |          |         |         |
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|        |                    | 4555 INEILSNALKR                               |          |         |         |
|        |                    | 4556 ISGAGMER                                  |          |         |         |
| P58681 | P58681 TLR7_MOUSE  | Toll-like receptor 7 precursor - Mus musculus  | -3.89238 | 0.00000 | 15.0476 |
|        |                    | 4557 NSAVTEWVLQELVAK[134]                      |          |         |         |
|        |                    | 4558 NLFNLEVLDISR[162]                         |          |         |         |
|        |                    | 4559 HLEILDLSHNQLTK[134]                       |          |         |         |
|        |                    | 4560 NSAVTEWVLQELVAK                           |          |         |         |
|        |                    | 4561 YLDFSNNR[162]                             |          |         |         |
|        |                    | 4562 YLDISSNK[134]                             |          |         |         |
|        |                    | 4563 TMESDSLRL[162]                            |          |         |         |
|        |                    | 4564 YFLEDALQLR[162]                           |          |         |         |
|        |                    | 4565 LEVLDLGTNFIK[134]                         |          |         |         |
|        |                    | 4566 NLQELDLSQNYLAR                            |          |         |         |
|        |                    | 4567 NLQELDLSQNYLAR[162]                       |          |         |         |
|        |                    | 4568 R[162]LNHLEEIDLR[162]                     |          |         |         |
|        |                    | 4569 IADLNIFK[134]                             |          |         |         |
|        |                    | 4570 LIDLSVKN[134]                             |          |         |         |
|        |                    | 4571 LHSNSLQHVPPTWFK[134]                      |          |         |         |
|        |                    | 4572 LQIR[162]PGSFSGLSDLK[134]                 |          |         |         |
|        |                    | 4573 LNHLEEIDLR[162]                           |          |         |         |
|        |                    | 4574 LEVLDLGTNFIK                              |          |         |         |
| P82198 | P82198 BGH3_MOUSE  | Transforming growth factor-beta-induced prot   | -0.56142 | 0.15710 | 3.9531  |
|        |                    | 4575 GDELADSALEIFK[134]                        |          |         |         |
|        |                    | 4576 GDELADSALEIFK                             |          |         |         |
|        |                    | 4577 EQLTFLAPLNSVFK[134]                       |          |         |         |
| Q3U2C5 | Q3U2C5 RN149_MOUSE | E3 ubiquitin-protein ligase RNF149 precursor - | 0.54786  | 0.20330 | 17.2589 |
|        |                    | 4578 FVAPGALGNAPWVALVAR[162]                   |          |         |         |
|        |                    | 4579 FVAPGALGNAPWVALVAR                        |          |         |         |
|        |                    | 4580 APAPAEGC[174]APDTR[162]                   |          |         |         |
|        |                    | 4581 VIGQLPLHTVK                               |          |         |         |
|        |                    | 4582 EIFDLVQK                                  |          |         |         |

|        |                    |                                                |          |         |         |
|--------|--------------------|------------------------------------------------|----------|---------|---------|
|        |                    | 4583 FGESSLREER                                |          |         |         |
|        |                    | 4584 QGLVGVPR                                  |          |         |         |
| Q80SW1 | Q80SW1 SAHH2_MOUSE | Putative adenosylhomocysteinase 2 - Mus mu:    | 0.01554  | 0.97122 | 8.3019  |
|        |                    | 4585 LC[174]VPAMNVNDSVTK                       |          |         |         |
|        |                    | 4586 GIVEESVTGVHR[162]                         |          |         |         |
|        |                    | 4587 TPELTWER                                  |          |         |         |
|        |                    | 4588 GIVEESVTGVHR                              |          |         |         |
|        |                    | 4589 YK[134]QDVYLLPK[134]                      |          |         |         |
|        |                    | 4590 YKQDVYLLPK                                |          |         |         |
| Q3TGW2 | Q3TGW2 EEPD1_MOUSE | Endonuclease/exonuclease/phosphatase famil     | -0.36878 | 0.35268 | 15.4657 |
|        |                    | 4591 VNINTATLAQLMSVR                           |          |         |         |
|        |                    | 4592 VNINTATLAQLMSVR[162]                      |          |         |         |
|        |                    | 4593 MDGINAAFLDR[162]                          |          |         |         |
|        |                    | 4594 DLLAEQQPHHLTTTVPLTPR[162]                 |          |         |         |
|        |                    | 4595 DLLAEQQPHHLTTTVPLTPR                      |          |         |         |
|        |                    | 4596 LNINTATEEELMTLPGVTR                       |          |         |         |
|        |                    | 4597 LNINTATEEELMTLPGVTR[162]                  |          |         |         |
|        |                    | 4598 MDGINAAFLDR                               |          |         |         |
|        |                    | 4599 SIVAEKPSNQLQK                             |          |         |         |
|        |                    | 4600 AVGPSPFLAR                                |          |         |         |
|        |                    | 4601 AVGPSPFLAR[162]                           |          |         |         |
| Q9DC37 | Q9DC37 MFSD1_MOUSE | Major facilitator superfamily domain-containir | 0.34508  | 0.42294 | 4.9569  |
|        |                    | 4602 EADSAVHGAPR[162]                          |          |         |         |
|        |                    | 4603 EADSAVHGAPR                               |          |         |         |
|        |                    | 4604 READSAVHGAPR                              |          |         |         |
|        |                    | 4605 AQGGNLNYSK                                |          |         |         |
|        |                    | 4606 AQGGNLNYSK[134]                           |          |         |         |
| P97370 | P97370 AT1B3_MOUSE | Sodium/potassium-transporting ATPase subun     | -0.37456 | 0.34518 | 23.0216 |
|        |                    | 4607 IIDLIPDGYQISC[174]LPK[134]                |          |         |         |
|        |                    | 4608 IIDLIPDGYQISC[174]LPK                     |          |         |         |
|        |                    | 4609 LFIYNPSSGEFLGR[162]                       |          |         |         |

|        |                    |                                            |          |         |         |
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|        |                    | 4610 LFIYNPSSGEFLGR                        |          |         |         |
|        |                    | 4611 HVGYRQPLVAVQVK                        |          |         |         |
|        |                    | 4612 SFHQSLAEWK[134]                       |          |         |         |
|        |                    | 4613 HVGYR[162]QPLVAVQVK[134]              |          |         |         |
|        |                    | 4614 QPLVAVQVK[134]                        |          |         |         |
|        |                    | 4615 QPLVAVQVK                             |          |         |         |
|        |                    | 4616 FDSGLNKK                              |          |         |         |
|        |                    | 4617 FDSGLNK[134]K[134]                    |          |         |         |
|        |                    | 4618 KSFHQSLAEWK                           |          |         |         |
|        |                    | 4619 SFHQSLAEWK                            |          |         |         |
| O70145 | O70145 NCF2_MOUSE  | Neutrophil cytosol factor 2 - Mus musculus | -0.03579 | 0.92812 | 4.7619  |
|        |                    | 4620 LFEPVVIPVGR                           |          |         |         |
|        |                    | 4621 LFEPVVIPVGR[162]                      |          |         |         |
|        |                    | 4622 GLVPC[174]NYLEPVELR[162]              |          |         |         |
|        |                    | 4623 GLVPC[174]NYLEPVELR                   |          |         |         |
| P14733 | P14733 LMNB1_MOUSE | Lamin-B1 - Mus musculus                    | 0.40241  | 0.35007 | 23.1293 |
|        |                    | 4624 LSSEMNTSTVNSAR[162]                   |          |         |         |
|        |                    | 4625 IESLSSQLSNLQK                         |          |         |         |
|        |                    | 4626 ALYETELADAR[162]                      |          |         |         |
|        |                    | 4627 NQNSWGTGEDVK                          |          |         |         |
|        |                    | 4628 DAALATALGDK[134]K[134]                |          |         |         |
|        |                    | 4629 ALYETELADAR                           |          |         |         |
|        |                    | 4630 LSSEMNTSTVNSAR                        |          |         |         |
|        |                    | 4631 LYKEELEQTYHAK                         |          |         |         |
|        |                    | 4632 DAALATALGDKK                          |          |         |         |
|        |                    | 4633 ASAPATPLSPTR                          |          |         |         |
|        |                    | 4634 IQELEDMLAK                            |          |         |         |
|        |                    | 4635 ESDLGAQIK[134]                        |          |         |         |
|        |                    | 4636 FKAHDQLLNYAK                          |          |         |         |
|        |                    | 4637 IQELEDMLAK[134]                       |          |         |         |
|        |                    | 4638 ASAPATPLSPTR[162]                     |          |         |         |

|        |                    |                                |         |         |         |
|--------|--------------------|--------------------------------|---------|---------|---------|
|        |                    | 4639 FHQQGAPR                  |         |         |         |
|        |                    | 4640 ESDLGAQIK                 |         |         |         |
|        |                    | 4641 QIEYEYK                   |         |         |         |
| P14824 | P14824 ANXA6_MOUSE | Annexin A6 - Mus musculus      | 0.31986 | 0.45762 | 49.7771 |
|        |                    | 4642 DLESDIIGDTSGHFQK[134]     |         |         |         |
|        |                    | 4643 GTVC[174]AANDFNPADAK      |         |         |         |
|        |                    | 4644 GTVC[174]AANDFNPADAK[134] |         |         |         |
|        |                    | 4645 SLEDALSSDTSGHFR           |         |         |         |
|        |                    | 4646 SELDMLDIR                 |         |         |         |
|        |                    | 4647 MLVVLLQGTR[162]           |         |         |         |
|        |                    | 4648 TTGK[134]PIEASIR[162]     |         |         |         |
|        |                    | 4649 C[174]LIEILASR[162]       |         |         |         |
|        |                    | 4650 MLVVLLQGTR                |         |         |         |
|        |                    | 4651 C[174]LIEILASR            |         |         |         |
|        |                    | 4652 GIGTDEATIIDIVTHR          |         |         |         |
|        |                    | 4653 TLIEILATR                 |         |         |         |
|        |                    | 4654 STPEYFAER[162]            |         |         |         |
|        |                    | 4655 IAQGAMYR                  |         |         |         |
|        |                    | 4656 SEIDLLNIR[162]            |         |         |         |
|        |                    | 4657 STPEYFAER                 |         |         |         |
|        |                    | 4658 SEIDLLNIR                 |         |         |         |
|        |                    | 4659 TLIEILATR[162]            |         |         |         |
|        |                    | 4660 LVFDEYLK                  |         |         |         |
|        |                    | 4661 LVFDEYLK[134]             |         |         |         |
|        |                    | 4662 DAFVAIVQSVK               |         |         |         |
|        |                    | 4663 DAFVAIVQSVK[134]          |         |         |         |
|        |                    | 4664 DLESDIIGDTSGHFQK          |         |         |         |
|        |                    | 4665 SLEDALSSDTSGHFR[162]      |         |         |         |
|        |                    | 4666 SLHQAIEGDTSGDFMK          |         |         |         |
|        |                    | 4667 TNEQMHQLVAAYK             |         |         |         |
|        |                    | 4668 TNYDIEHVIK[134]           |         |         |         |

4669 SELDMLDIR[162]  
4670 TNYDIEHVIK  
4671 TNEQMHQLVAAYK[134]  
4672 ILISLATGNR  
4673 LIVNLMRPLAYC[174]DAK  
4674 VFQEFIK[134]K[134]  
4675 SLEDALSSDTSGHFRR  
4676 NKPLFFADK  
4677 GELSGDFEK  
4678 TTGKPIEASIR  
4679 IAQGAMYR[162]  
4680 GELSGDFEK[134]  
4681 LILGLMMPPAHYDAK  
4682 VFQEFIK  
4683 VFQEFIKK  
4684 SEIDLLNIRR  
4685 AINEAYKEDYHK  
4686 FMTVLC[174]TR  
4687 SEISGDLAR[162]  
4688 AINEAYK[134]EDYHK[134]  
4689 SLYSMIK[134]  
4690 GFGSDKESILELITSR  
4691 EMSGDVKDAFVAIVQSVK  
4692 LILGLMMPPAHYDAK[134]  
4693 NKPLFFADKLYK  
4694 SLHQAIEGDTSGDFMK[134]  
4695 GIGTDEATIIDIVTHR[162]  
4696 AMEGAGTDEKTLIEILATR  
4697 EMSGDVK[134]DAFVAIVQSVK[134]  
4698 SLEDALSSDTSGHFR[162]R[162]  
4699 GFGSDK[134]ESILELITSR[162]

|        |                    |                                           |          |         |         |
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| P20934 | P20934 EVI2A_MOUSE | 4700 ILISLATGNR[162]                      | -0.02482 | 0.95012 | 9.417   |
|        |                    | EVI2A protein precursor - Mus musculus    |          |         |         |
|        |                    | 4701 ELTGSNLLLQSPGVLTAAAR                 |          |         |         |
|        |                    | 4702 AKELTGSNLLLQSPGVLTAAAR               |          |         |         |
|        |                    | 4703 ELTGSNLLLQSPGVLTAAAR[162]            |          |         |         |
| Q64324 | Q64324 STXB2_MOUSE | 4704 AK[134]ELTGSNLLLQSPGVLTAAAR[162]     | -0.08623 | 0.82795 | 33.5582 |
|        |                    | Syntaxin-binding protein 2 - Mus musculus |          |         |         |
|        |                    | 4705 LC[174]SVEQDLAMGSDAEGEK              |          |         |         |
|        |                    | 4706 NLEQLGGTVTNSAGSGTSSR                 |          |         |         |
|        |                    | 4707 NLEQLGGTVTNSAGSGTSSR[162]            |          |         |         |
|        |                    | 4708 SVQALIADFQGTPTFTYK                   |          |         |         |
|        |                    | 4709 KGPEDTAQLAHAVLAK                     |          |         |         |
|        |                    | 4710 K[134]GPEDTAQLAHAVLAK[134]           |          |         |         |
|        |                    | 4711 LIQHANVQSYSSLIR                      |          |         |         |
|        |                    | 4712 EPIPSLEAIYLLSPTEK[134]               |          |         |         |
|        |                    | 4713 ADTPSLGEGPEK                         |          |         |         |
|        |                    | 4714 ADTPSLGEGPEK[134]                    |          |         |         |
|        |                    | 4715 YETTGLSESR[162]                      |          |         |         |
|        |                    | 4716 LIVPVLLDASVPPYDK[134]                |          |         |         |
|        |                    | 4717 NGVSEENLAK                           |          |         |         |
|        |                    | 4718 LIVPVLLDASVPPYDK                     |          |         |         |
|        |                    | 4719 KLWPFVSDPAPVPSSQAAVSAR               |          |         |         |
|        |                    | 4720 LIQHANVQSYSSLIR[162]                 |          |         |         |
|        |                    | 4721 SQLLIMDR[162]                        |          |         |         |
|        |                    | 4722 REPIPSLEAIYLLSPTEK                   |          |         |         |
|        |                    | 4723 SQLLIMDR                             |          |         |         |
|        |                    | 4724 AAYEVTR                              |          |         |         |
|        |                    | 4725 EPIPSLEAIYLLSPTEK                    |          |         |         |
|        |                    | 4726 MEPTYQLSR[162]                       |          |         |         |
|        |                    | 4727 K[134]LWPFVSDPAPVPSSQAAVSAR[162]     |          |         |         |
|        |                    | 4728 MEPTYQLSR                            |          |         |         |

|        |                    |                                               |          |         |         |
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| Q6PD26 | Q6PD26 PIGS_MOUSE  | 4729 NGVSEENLAK[134]                          | 0.04973  | 0.90807 | 24.3243 |
|        |                    | GPI transamidase component PIG-S - Mus mus    |          |         |         |
|        |                    | 4730 APLPYSDISGLNALLLR                        |          |         |         |
|        |                    | 4731 SVENLATATTTTSLAQLLGK                     |          |         |         |
|        |                    | 4732 SVENLATATTTTSLAQLLGK[134]                |          |         |         |
|        |                    | 4733 APLPYSDISGLNALLLR[162]                   |          |         |         |
|        |                    | 4734 LLFGIAQPQVPPK[134]                       |          |         |         |
|        |                    | 4735 ALALGHLSSAFAASQEAVTSSER                  |          |         |         |
|        |                    | 4736 WGGIMVYNVDPK                             |          |         |         |
|        |                    | 4737 SEGLMTWELDR                              |          |         |         |
|        |                    | 4738 LMVPVTVVFTR                              |          |         |         |
|        |                    | 4739 LLFGIAQPQVPPK                            |          |         |         |
|        |                    | 4740 FVQPFLNR[162]                            |          |         |         |
|        |                    | 4741 FVQPFLNR                                 |          |         |         |
|        |                    | 4742 DSVPLDDQEKLPTVVHER                       |          |         |         |
| Q8BRF7 | Q8BRF7 SCFD1_MOUSE | Sec1 family domain-containing protein 1 - Mus | -0.32775 | 0.40880 | 13.1455 |
|        |                    | 4743 FGQDIISPLLSVK                            |          |         |         |
|        |                    | 4744 FGQDIISPLLSVK[134]                       |          |         |         |
|        |                    | 4745 LTSAVSSLPELLEK[134]                      |          |         |         |
|        |                    | 4746 SLLDVISDPDAGTPEDK[134]                   |          |         |         |
|        |                    | 4747 LTSAVSSLPELLEK                           |          |         |         |
|        |                    | 4748 SNPETDDYR                                |          |         |         |
|        |                    | 4749 SNPETDDYR[162]                           |          |         |         |
|        |                    | 4750 SKLEDIANAALAASAVTQVAK                    |          |         |         |
|        |                    | 4751 GTAAEMVAVK[134]                          |          |         |         |
|        |                    | 4752 GTAAEMVAVK                               |          |         |         |
| Q8K2B3 | Q8K2B3 DHSA_MOUSE  | 4753 SLLDVISDPDAGTPEDK                        | -0.21123 | 0.59448 | 5.7229  |
|        |                    | Succinate dehydrogenase [ubiquinone] flavop   |          |         |         |
|        |                    | 4754 LGANSLLDLVVFGFR                          |          |         |         |
|        |                    | 4755 ISQLYGDLEK[134]                          |          |         |         |
|        |                    | 4756 TLNEADC[174]ATVPPAIR[162]                |          |         |         |

|        |                    |                                                   |          |         |         |
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| Q8VCW4 | Q8VCW4 UN93B_MOUSE | 4757 TLNEADC[174]ATVPPAIR                         | -0.22373 | 0.57286 | 5.0167  |
|        |                    | Protein unc-93 homolog B1 - Mus musculus          |          |         |         |
|        |                    | 4758 KPC[174]PYEQALGGDGPEEQ                       |          |         |         |
|        |                    | 4759 SVGWGNIFQLPFK[134]                           |          |         |         |
| Q91XV3 | Q91XV3 BASP_MOUSE  | 4760 SVGWGNIFQLPFK                                | -0.00676 | 0.98642 | 51.3274 |
|        |                    | Brain acid soluble protein 1 - Mus musculus       |          |         |         |
|        |                    | 4761 KTEAPAAAGPEAK                                |          |         |         |
|        |                    | 4762 AEGAGTEEEGTPK                                |          |         |         |
|        |                    | 4763 ETPAASEAPSSAAK                               |          |         |         |
|        |                    | 4764 APAPAAPAAAEPQAEAPAAAASSEQSVAVKE              |          |         |         |
|        |                    | 4765 AGEASAESTGAADGAAPEEGEAKKTEAPAAAGPEAK         |          |         |         |
|        |                    | 4766 AGEASAESTGAADGAAPEEGEAK                      |          |         |         |
|        |                    | 4767 ETPAASEAPSSAAK[134]                          |          |         |         |
|        |                    | 4768 SDAAPAASDSKPSSAEPAPSSKETPAASEAPSSAAK         |          |         |         |
|        |                    | 4769 APAPAAPAAAEPQAEAPAAAASSEQSVAVK[134]E         |          |         |         |
| Q9CPN8 | Q9CPN8 IF2B3_MOUSE | Insulin-like growth factor 2 mRNA-binding protein | -0.96069 | 0.01547 | 26.4249 |
|        |                    | 4770 VAYIPDETAQQNPSPQLR                           |          |         |         |
|        |                    | 4771 VAYIPDETAQQNPSPQLR[162]                      |          |         |         |
|        |                    | 4772 TVNELQSLSSAEVVVPR[162]                       |          |         |         |
|        |                    | 4773 ITISPLQELTYNPER                              |          |         |         |
|        |                    | 4774 TGYAFVDC[174]PDEGWALK                        |          |         |         |
|        |                    | 4775 TGYAFVDC[174]PDEGWALK[134]                   |          |         |         |
|        |                    | 4776 ITISPLQELTYNPER[162]                         |          |         |         |
|        |                    | 4777 IPVAGPFLVK[134]                              |          |         |         |
|        |                    | 4778 K[134]IQEILTQVK[134]                         |          |         |         |
|        |                    | 4779 DQTPDENDQVVVK                                |          |         |         |
|        |                    | 4780 SITILSTPEGTSAAC[174]K[134]                   |          |         |         |
|        |                    | 4781 FTEEIPLK[134]                                |          |         |         |
|        |                    | 4782 IAPAEAPDAK                                   |          |         |         |
|        |                    | 4783 FTEEIPLK                                     |          |         |         |
|        |                    | 4784 VPSFAAGR                                     |          |         |         |



|        |                    |                                               |         |         |         |
|--------|--------------------|-----------------------------------------------|---------|---------|---------|
|        |                    | 4785 ALQSGPPQSR                               |         |         |         |
|        |                    | 4786 IAPAEAPDAK[134]                          |         |         |         |
|        |                    | 4787 ALQSGPPQSR[162]                          |         |         |         |
| Q9D0I9 | Q9D0I9 SYRC_MOUSE  | Arginyl-tRNA synthetase, cytoplasmic - Mus m  | 0.20691 | 0.63089 | 6.5152  |
|        |                    | 4788 SDGGYTYDTSDLAAIK                         |         |         |         |
|        |                    | 4789 AAQTSVAYGC[174]IK                        |         |         |         |
|        |                    | 4790 IVFVPGC[174]SVPLTIVK                     |         |         |         |
| Q9JJX6 | Q9JJX6 P2RX4_MOUSE | P2X purinoceptor 4 - Mus musculus             | 0.41368 | 0.33674 | 9.5361  |
|        |                    | 4791 DLEHNVSPGYNFR                            |         |         |         |
|        |                    | 4792 GYQETDSVSSVTTK                           |         |         |         |
|        |                    | 4793 TDPFC[174]PIFR                           |         |         |         |
|        |                    | 4794 DLEHNVSPGYNFR[162]                       |         |         |         |
| P97855 | P97855 G3BP1_MOUSE | Ras GTPase-activating protein-binding protein | 0.49539 | 0.24999 | 27.0968 |
|        |                    | 4795 EAGEPGDVEPR[162]                         |         |         |         |
|        |                    | 4796 LPNFGFVVFDSEPVQK                         |         |         |         |
|        |                    | 4797 EAGEPGDVEPR                              |         |         |         |
|        |                    | 4798 FMQTFVLAPEGSVANK[134]                    |         |         |         |
|        |                    | 4799 STSPAPADVAPAQEDLR                        |         |         |         |
|        |                    | 4800 STSPAPADVAPAQEDLR[162]                   |         |         |         |
|        |                    | 4801 FMQTFVLAPEGSVANK                         |         |         |         |
|        |                    | 4802 FYVHNDIFR                                |         |         |         |
|        |                    | 4803 TFSWASVTSK[134]                          |         |         |         |
|        |                    | 4804 TFSWASVTSK                               |         |         |         |
|        |                    | 4805 QYYTLLNQAPDMLHR                          |         |         |         |
|        |                    | 4806 NLPPSGAVPVTGTPPHVVK                      |         |         |         |
|        |                    | 4807 VMSQNFTNC[174]HTK                        |         |         |         |
| Q8VCH8 | Q8VCH8 UBXD2_MOUSE | UBX domain-containing protein 2 - Mus muscl   | 0.44648 | 0.29982 | 10.0791 |
|        |                    | 4808 MLWFQGAIPAAIASAK                         |         |         |         |
|        |                    | 4809 NTELC[174]ETPATSDIK                      |         |         |         |
|        |                    | 4810 LPDGSSFTNQFPSDAPLEEAR                    |         |         |         |
|        |                    | 4811 MLWFQGAIPAAIASAK[134]                    |         |         |         |

|        |                     |                                                |          |         |         |
|--------|---------------------|------------------------------------------------|----------|---------|---------|
|        |                     | 4812 LPDGSSFTNQFPSDAPLEEAR[162]                |          |         |         |
| Q6A028 | Q6A028 SWP70_MOUSE  | Switch-associated protein 70 - Mus musculus    | 0.13046  | 0.76193 | 3.2479  |
|        |                     | 4813 SSELEQYLQR[162]                           |          |         |         |
|        |                     | 4814 LQEALEDER                                 |          |         |         |
|        |                     | 4815 SSELEQYLQR                                |          |         |         |
| Q8K1T1 | Q8K1T1 LRC25_MOUSE  | Leucine-rich repeat-containing protein 25 prec | -0.01393 | 0.97199 | 16.4983 |
|        |                     | 4816 SVDQDSQPVYC[174]NLESLGR                   |          |         |         |
|        |                     | 4817 SPLQASHAQVLDLSK[134]                      |          |         |         |
|        |                     | 4818 SPLQASHAQVLDLSK                           |          |         |         |
|        |                     | 4819 LQTLIVTHNQLDSVDR[162]                     |          |         |         |
|        |                     | 4820 LQTLIVTHNQLDSVDR                          |          |         |         |
| P17439 | P17439 GLCM_MOUSE   | Glucosylceramidase precursor - Mus musculus    | -1.04973 | 0.00816 | 15.1456 |
|        |                     | 4821 NFVDSPIIVDIPK                             |          |         |         |
|        |                     | 4822 NFVDSPIIVDIPK[134]                        |          |         |         |
|        |                     | 4823 FWEQSVR                                   |          |         |         |
|        |                     | 4824 FWEQSVR[162]                              |          |         |         |
|        |                     | 4825 TGTGLLTLQPEK[134]K[134]                   |          |         |         |
|        |                     | 4826 LLMLDDQR                                  |          |         |         |
|        |                     | 4827 LLMLDDQR[162]                             |          |         |         |
|        |                     | 4828 TGTGLLTLQPEKK                             |          |         |         |
|        |                     | 4829 SYFSTNGIEYNIIR[162]                       |          |         |         |
|        |                     | 4830 TGTGLLTLQPEK[134]                         |          |         |         |
|        |                     | 4831 WAEVVLSDPEAAK[134]                        |          |         |         |
|        |                     | 4832 TGTGLLTLQPEK                              |          |         |         |
|        |                     | 4833 IPLIHQALK[134]                            |          |         |         |
| Q6PA06 | Q6PA06 ATLA2_MOUSE  | Atlastin-2 - Mus musculus                      | 0.28834  | 0.50313 | 4.2882  |
|        |                     | 4834 NLVPLLLAPENLVEK                           |          |         |         |
|        |                     | 4835 NLVPLLLAPENLVEK[134]                      |          |         |         |
|        |                     | 4836 LKDIDEDFKR                                |          |         |         |
| Q3TUI1 | Q3TUI1 Q3TUI1_MOUSE | 13 days embryo head cDNA, RIKEN full-length    | 0.40652  | 0.34517 | 2.8486  |
|        |                     | 4837 DAISGVGTDEK                               |          |         |         |

|        |                    |                                               |          |         |         |
|--------|--------------------|-----------------------------------------------|----------|---------|---------|
|        |                    | 4838 DAISGVGTDEK[134]                         |          |         |         |
|        |                    | 4839 QEIC[174]QNYK[134]                       |          |         |         |
|        |                    | 4840 QEIC[174]QNYK                            |          |         |         |
| Q8BMQ8 | Q8BMQ8 MON1B_MOUSE | Vacuolar fusion protein MON1 homolog B - Mi   | 0.17671  | 0.68155 | 7.7758  |
|        |                    | 4841 LLDSVEQDPGALLLGAVR                       |          |         |         |
|        |                    | 4842 LLDSVEQDPGALLLGAVR[162]                  |          |         |         |
|        |                    | 4843 TPQSAAQLR                                |          |         |         |
|        |                    | 4844 TPQSAAQLR[162]                           |          |         |         |
|        |                    | 4845 HVFVLSEAGKPIYSR                          |          |         |         |
|        |                    | 4846 KHVFLSEAGKPIYSR                          |          |         |         |
| Q9QXX4 | Q9QXX4 CMC2_MOUSE  | Calcium-binding mitochondrial carrier protein | 0.06007  | 0.88907 | 3.6982  |
|        |                    | 4847 MTLADIER                                 |          |         |         |
|        |                    | 4848 DLGFFGIYK[134]                           |          |         |         |
|        |                    | 4849 DLGFFGIYK                                |          |         |         |
|        |                    | 4850 RADPAELK                                 |          |         |         |
| Q8R4C2 | Q8R4C2 RUFY2_MOUSE | RUN and FYVE domain-containing protein 2 - M  | -0.56142 | 0.15710 | 4.2904  |
|        |                    | 4851 IYQEQQALQELGSK                           |          |         |         |
|        |                    | 4852 GLIESALSFGR[162]                         |          |         |         |
|        |                    | 4853 GLIESALSFGR                              |          |         |         |
| O08599 | O08599 STXB1_MOUSE | Syntaxin-binding protein 1 - Mus musculus     | -0.80243 | 0.04315 | 9.9327  |
|        |                    | 4854 ISEQTYQLSR[162]                          |          |         |         |
|        |                    | 4855 VLVVDQLSMR                               |          |         |         |
|        |                    | 4856 SQLLILDR[162]                            |          |         |         |
|        |                    | 4857 REPLPSLEAVYLITPSEK                       |          |         |         |
|        |                    | 4858 SQLLILDR                                 |          |         |         |
|        |                    | 4859 SSASFSTTAVSAR[162]                       |          |         |         |
| P08101 | P08101 FCGR2_MOUSE | Low affinity immunoglobulin gamma Fc region   | -0.42274 | 0.28669 | 23.6364 |
|        |                    | 4860 HPEALDEETEHDYQNH                         |          |         |         |
|        |                    | 4861 TLHQSK[134]PVTITVQGPK[134]               |          |         |         |
|        |                    | 4862 SQVQASYTFK[134]                          |          |         |         |
|        |                    | 4863 TLHQSKPVTITVQGPK                         |          |         |         |

|        |                    |                                                |         |         |         |
|--------|--------------------|------------------------------------------------|---------|---------|---------|
|        |                    | 4864 EMGETLPEEVGEYR[162]                       |         |         |         |
|        |                    | 4865 TEAENTITYSLLK[134]                        |         |         |         |
|        |                    | 4866 SQVQASYTFK                                |         |         |         |
|        |                    | 4867 TEAENTITYSLLK                             |         |         |         |
|        |                    | 4868 EMGETLPEEVGEYR                            |         |         |         |
|        |                    | 4869 ISFFHNEK                                  |         |         |         |
| P70182 | P70182 PI51A_MOUSE | Phosphatidylinositol-4-phosphate 5-kinase typ  | 0.14995 | 0.72768 | 6.4103  |
|        |                    | 4870 ALYSTAMESIQGEAR                           |         |         |         |
|        |                    | 4871 ALYSTAMESIQGEAR[162]                      |         |         |         |
|        |                    | 4872 LDVAESEFTH                                |         |         |         |
|        |                    | 4873 IVVMNNLLPR                                |         |         |         |
| P97390 | P97390 VPS45_MOUSE | Vacuolar protein sorting-associated protein 45 | 0.23854 | 0.57962 | 32.6316 |
|        |                    | 4874 SFLEEVLASGLHSR                            |         |         |         |
|        |                    | 4875 AFVENYPQFK                                |         |         |         |
|        |                    | 4876 TTQGLTALLLSLK                             |         |         |         |
|        |                    | 4877 HSSNSLPGLIVDLR                            |         |         |         |
|        |                    | 4878 TEVPPLLLILDR                              |         |         |         |
|        |                    | 4879 NLMEDFQK                                  |         |         |         |
|        |                    | 4880 HVTVVGELSR                                |         |         |         |
|        |                    | 4881 SFLEEVLASGLHSR[162]                       |         |         |         |
|        |                    | 4882 IVLGGTTIHNTK[134]                         |         |         |         |
|        |                    | 4883 AFVENYPQFK[134]                           |         |         |         |
|        |                    | 4884 IVLGGTTIHNTK                              |         |         |         |
|        |                    | 4885 TTQGLTALLLSLK[134]                        |         |         |         |
|        |                    | 4886 ENVEYLIQELR                               |         |         |         |
|        |                    | 4887 TTQGLTALLLSLKK                            |         |         |         |
|        |                    | 4888 TEVPPLLLILDR[162]                         |         |         |         |
|        |                    | 4889 RTEVPPLLLILDR                             |         |         |         |
|        |                    | 4890 HSSNSLPGLIVDLR[162]                       |         |         |         |
|        |                    | 4891 TTQGLTALLLSLK[134]K[134]                  |         |         |         |
|        |                    | 4892 HVTVVGELSR[162]                           |         |         |         |

|        |                    |      |                                                |          |         |         |
|--------|--------------------|------|------------------------------------------------|----------|---------|---------|
|        |                    | 4893 | NLMEDFQK[134]                                  |          |         |         |
|        |                    | 4894 | LK[134]ENLYPYLGPSTLR[162]                      |          |         |         |
|        |                    | 4895 | NWDPAQLSR[162]                                 |          |         |         |
|        |                    | 4896 | EYELFEFR[162]                                  |          |         |         |
|        |                    | 4897 | VTEFDAVR                                       |          |         |         |
|        |                    | 4898 | LKENLYPYLGPSTLR                                |          |         |         |
|        |                    | 4899 | GSDLFSPK                                       |          |         |         |
|        |                    | 4900 | VTEFDAVR[162]                                  |          |         |         |
|        |                    | 4901 | EYELFEFR                                       |          |         |         |
|        |                    | 4902 | NWDPAQLSR                                      |          |         |         |
|        |                    | 4903 | LVSASSEYGGKR                                   |          |         |         |
|        |                    | 4904 | EQQKLESIADMK                                   |          |         |         |
|        |                    | 4905 | EVYLFER[162]                                   |          |         |         |
|        |                    | 4906 | EVYLFER                                        |          |         |         |
|        |                    | 4907 | AFVENYPQFKK                                    |          |         |         |
| Q60770 | Q60770 STXB3_MOUSE |      | Syntaxin-binding protein 3 - Mus musculus      | -0.21780 | 0.58306 | 13.1757 |
|        |                    | 4908 | HIAVVLEEIPK                                    |          |         |         |
|        |                    | 4909 | TSLSALTQLMK                                    |          |         |         |
|        |                    | 4910 | IMLLDEFTTK                                     |          |         |         |
|        |                    | 4911 | IMLLDEFTTK[134]                                |          |         |         |
|        |                    | 4912 | HIAVVLEEIPK[134]                               |          |         |         |
|        |                    | 4913 | ALYFISPTPK[134]                                |          |         |         |
|        |                    | 4914 | TSLSALTQLMK[134]                               |          |         |         |
|        |                    | 4915 | TQSQLLIIDR[162]                                |          |         |         |
|        |                    | 4916 | ALYFISPTPK                                     |          |         |         |
|        |                    | 4917 | TQSQLLIIDR                                     |          |         |         |
|        |                    | 4918 | TNYLELDRK                                      |          |         |         |
|        |                    | 4919 | SAEETFQLSR[162]                                |          |         |         |
|        |                    | 4920 | SAEETFQLSR                                     |          |         |         |
|        |                    | 4921 | LAQLVEK                                        |          |         |         |
| Q60864 | Q60864 STIP1_MOUSE |      | Stress-induced-phosphoprotein 1 - Mus musculus | -0.60988 | 0.12429 | 6.6298  |

|        |                   |                             |          |         |         |
|--------|-------------------|-----------------------------|----------|---------|---------|
|        |                   | 4922 LAYINPDALALEEK[134]    |          |         |         |
|        |                   | 4923 LMDVGLIAIR[162]        |          |         |         |
|        |                   | 4924 LAYINPDALALEEK         |          |         |         |
|        |                   | 4925 LMDVGLIAIR             |          |         |         |
|        |                   | 4926 FMNPFNLPNLYQK[134]     |          |         |         |
|        |                   | 4927 FMNPFNLPNLYQK          |          |         |         |
| Q61233 | Q61233 PLSL_MOUSE | Plastin-2 - Mus musculus    | -0.25011 | 0.52848 | 29.0271 |
|        |                   | 4928 FSLVGIAGQDLNEG NR      |          |         |         |
|        |                   | 4929 FSLVGIAGQDLNEG NR[162] |          |         |         |
|        |                   | 4930 VNDDIIVNWVNTTLK        |          |         |         |
|        |                   | 4931 VYALPEDLVEVNPK         |          |         |         |
|        |                   | 4932 VYALPEDLVEVNPK[134]    |          |         |         |
|        |                   | 4933 GSVSDEEMMELR[162]      |          |         |         |
|        |                   | 4934 MINLSVPDTIDER          |          |         |         |
|        |                   | 4935 MINLSVPDTIDER[162]     |          |         |         |
|        |                   | 4936 NWMNSLGVNPR[162]       |          |         |         |
|        |                   | 4937 GSVSDEEMMELR           |          |         |         |
|        |                   | 4938 LSPEELLR[162]          |          |         |         |
|        |                   | 4939 NEALIALLR              |          |         |         |
|        |                   | 4940 NWMNSLGVNPR            |          |         |         |
|        |                   | 4941 IK[134]VPVDWNR[162]    |          |         |         |
|        |                   | 4942 IKVPVDWNR              |          |         |         |
|        |                   | 4943 LSPEELLR               |          |         |         |
|        |                   | 4944 QFVTATDVVR             |          |         |         |
|        |                   | 4945 QFVTATDVVR[162]        |          |         |         |
|        |                   | 4946 GDEEGIPAVVIDMSG LR     |          |         |         |
|        |                   | 4947 VNDDIIVNWVNTTLK[134]   |          |         |         |
|        |                   | 4948 AYYHLEQVAPK            |          |         |         |
|        |                   | 4949 AYYHLEQVAPK[134]       |          |         |         |
|        |                   | 4950 NEALIALLR[162]         |          |         |         |
|        |                   | 4951 ITNFSTDIKDSK           |          |         |         |

|        |                    |                                                 |          |         |         |
|--------|--------------------|-------------------------------------------------|----------|---------|---------|
|        |                    | 4952 ITNFSTDIK[134]DSK[134]                     |          |         |         |
|        |                    | 4953 TENLDDEEKLNNAK                             |          |         |         |
|        |                    | 4954 YAFVNWINK[134]                             |          |         |         |
| Q61656 | Q61656 DDX5_MOUSE  | Probable ATP-dependent RNA helicase DDX5 -      | -0.06448 | 0.87092 | 2.9316  |
|        |                    | 4955 QVSDLISVLR[162]                            |          |         |         |
|        |                    | 4956 LLQLVEDR[162]                              |          |         |         |
|        |                    | 4957 LLQLVEDR                                   |          |         |         |
|        |                    | 4958 QVSDLISVLR                                 |          |         |         |
| Q7TMK9 | Q7TMK9 HNRPQ_MOUSE | Heterogeneous nuclear ribonucleoprotein Q -     | 0.00760  | 0.98592 | 12.6806 |
|        |                    | 4959 NLANTVTEEILEK                              |          |         |         |
|        |                    | 4960 NLANTVTEEILEK[134]                         |          |         |         |
|        |                    | 4961 LMMDPLTGLNR[162]                           |          |         |         |
|        |                    | 4962 TGYTLDVTTGQR                               |          |         |         |
|        |                    | 4963 AGPIWDLR                                   |          |         |         |
|        |                    | 4964 DLFEDLVPLFEK[134]                          |          |         |         |
|        |                    | 4965 TGYTLDVTTGQR[162]                          |          |         |         |
|        |                    | 4966 VAEKLDEIYVAGLVAHSDLDER                     |          |         |         |
| Q8BMF4 | Q8BMF4 ODP2_MOUSE  | Dihydrolipoyllysine-residue acetyltransferase c | 0.74457  | 0.08381 | 7.7882  |
|        |                    | 4967 GLETIASDVVSLASK                            |          |         |         |
|        |                    | 4968 GLETIASDVVSLASK[134]                       |          |         |         |
|        |                    | 4969 VAPAPAGVFTDIPISNIR                         |          |         |         |
|        |                    | 4970 VAPAPAGVFTDIPISNIR[162]                    |          |         |         |
|        |                    | 4971 VPLPSLSPTMQAGTIAR                          |          |         |         |
| P29416 | P29416 HEXA_MOUSE  | Beta-hexosaminidase alpha chain precursor - f   | 0.68740  | 0.11043 | 14.5833 |
|        |                    | 4972 GLETFSQLVWK                                |          |         |         |
|        |                    | 4973 ALLSAPWYLNLR                               |          |         |         |
|        |                    | 4974 ALLSAPWYLNLR[162]                          |          |         |         |
|        |                    | 4975 GLETFSQLVWK[134]                           |          |         |         |
|        |                    | 4976 KGSFNPVTHIYTAQDVK                          |          |         |         |
|        |                    | 4977 GSFNPVTHIYTAQDVK[134]                      |          |         |         |
|        |                    | 4978 GSFNPVTHIYTAQDVK                           |          |         |         |

|        |                    |                                               |         |         |         |
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|        |                    | 4979 K[134]GSFNPVTHIYTAQDVK[134]              |         |         |         |
|        |                    | 4980 DMYKVEPLAFHGTPEQK                        |         |         |         |
|        |                    | 4981 VEPLAFHGTPEQK                            |         |         |         |
|        |                    | 4982 VRPDTIIQVWR                              |         |         |         |
|        |                    | 4983 VEPLAFHGTPEQK[134]                       |         |         |         |
|        |                    | 4984 SNPNIQAFMK[134]                          |         |         |         |
|        |                    | 4985 SNPNIQAFMK                               |         |         |         |
| O88811 | O88811 STAM2_MOUSE | Signal transducing adapter molecule 2 - Mus n | 0.31449 | 0.46521 | 8.413   |
|        |                    | 4986 ALQILQSIDPK                              |         |         |         |
|        |                    | 4987 VLEALDLYNK[134]                          |         |         |         |
|        |                    | 4988 VLEALDLYNK                               |         |         |         |
|        |                    | 4989 LVNEAPVYSVYSK[134]                       |         |         |         |
|        |                    | 4990 AIELSLQEQK                               |         |         |         |
| P23780 | P23780 BGAL_MOUSE  | Beta-galactosidase precursor - Mus musculus   | 0.39022 | 0.36486 | 5.8733  |
|        |                    | 4991 TLATSLYNLLAR[162]                        |         |         |         |
|        |                    | 4992 TLATSLYNLLAR                             |         |         |         |
|        |                    | 4993 AYVSVDGVPQGILDR                          |         |         |         |
|        |                    | 4994 SLYPLTFTQVK                              |         |         |         |
|        |                    | 4995 SLYPLTFTQVK[134]                         |         |         |         |
| P80318 | P80318 TCPG_MOUSE  | T-complex protein 1 subunit gamma - Mus mu    | 0.13994 | 0.74521 | 28.4404 |
|        |                    | 4996 TAVETAVLLLR[162]                         |         |         |         |
|        |                    | 4997 KGESQTDIEITREEDFTR                       |         |         |         |
|        |                    | 4998 AMTGVEQWPYR                              |         |         |         |
|        |                    | 4999 NVLLDPQLVPGGGASEMAVAHALTEK               |         |         |         |
|        |                    | 5000 AVAQALEVIPR[162]                         |         |         |         |
|        |                    | 5001 MALDDMISTLK[134]                         |         |         |         |
|        |                    | 5002 AVAQALEVIPR                              |         |         |         |
|        |                    | 5003 IVLLDSSLEYK                              |         |         |         |
|        |                    | 5004 TAVETAVLLLR                              |         |         |         |
|        |                    | 5005 IVLLDSSLEYK[134]                         |         |         |         |
|        |                    | 5006 IVSRPEELREDDVGTGAGLLEIK                  |         |         |         |



|        |                    |                                         |          |         |         |
|--------|--------------------|-----------------------------------------|----------|---------|---------|
|        |                    | 5007 ELGIWEPLAVK                        |          |         |         |
|        |                    | 5008 ITPVDVNNR                          |          |         |         |
|        |                    | 5009 ELGIWEPLAVK[134]                   |          |         |         |
|        |                    | 5010 GISDLAQHYLMR[162]                  |          |         |         |
|        |                    | 5011 MALDDMISTLK                        |          |         |         |
| Q02819 | Q02819 NUCB1_MOUSE | Nucleobindin-1 precursor - Mus musculus | -0.20189 | 0.61088 | 53.8126 |
|        |                    | 5012 LSQELDFVSHNVR                      |          |         |         |
|        |                    | 5013 LSQELDFVSHNVR[162]                 |          |         |         |
|        |                    | 5014 KVPEQPPELPQLDSQHL                  |          |         |         |
|        |                    | 5015 K[134]VPEQPPELPQLDSQHL             |          |         |         |
|        |                    | 5016 DLELLIQTATR                        |          |         |         |
|        |                    | 5017 ELQQAVLQMEQR                       |          |         |         |
|        |                    | 5018 LVTLEEF LASTQR                     |          |         |         |
|        |                    | 5019 DLELLIQTATR[162]                   |          |         |         |
|        |                    | 5020 LSQETEALGR                         |          |         |         |
|        |                    | 5021 LSQETEALGR[162]                    |          |         |         |
|        |                    | 5022 YLQEVINVLET DGHFR[162]             |          |         |         |
|        |                    | 5023 YLQEVINVLET DGHFR                  |          |         |         |
|        |                    | 5024 DLAQYDAAHHEEFK[134]R[162]          |          |         |         |
|        |                    | 5025 ELQQAVLQMEQR[162]                  |          |         |         |
|        |                    | 5026 LVTLEEF LASTQR[162]                |          |         |         |
|        |                    | 5027 LVTLEEF LASTQR[162]K[134]          |          |         |         |
|        |                    | 5028 VNVPGSQAQLK[134]                   |          |         |         |
|        |                    | 5029 DLAQYDAAHHEEFKR                    |          |         |         |
|        |                    | 5030 EVWEELDGLDPNRFNPK                  |          |         |         |
|        |                    | 5031 QEPNLQVDHMNLLK                     |          |         |         |
|        |                    | 5032 LVTLEEF LASTQRK                    |          |         |         |
|        |                    | 5033 ADTDDAPVPAPAGDQKDVPA SEK           |          |         |         |
|        |                    | 5034 QFEHLPQ NQHTFEAR                   |          |         |         |
|        |                    | 5035 QEPNLQVDHMNLLK[134]                |          |         |         |
|        |                    | 5036 VNVPGSQAQLK                        |          |         |         |

|        |                    |                                                |          |         |         |
|--------|--------------------|------------------------------------------------|----------|---------|---------|
|        |                    | 5037 QFEHLDPQNQHTEAR[162]                      |          |         |         |
|        |                    | 5038 VPEQPPELPQLDSQHL                          |          |         |         |
|        |                    | 5039 LQAANAEDIK[134]                           |          |         |         |
|        |                    | 5040 YLESLGEEQR[162]                           |          |         |         |
|        |                    | 5041 YLESLGEEQRK                               |          |         |         |
|        |                    | 5042 LQAANAEDIK                                |          |         |         |
|        |                    | 5043 EFGDTGEGWK                                |          |         |         |
|        |                    | 5044 YLESLGEEQR[162]K[134]                     |          |         |         |
|        |                    | 5045 EFGDTGEGWK[134]                           |          |         |         |
|        |                    | 5046 ADTDDAPVPAPAGDQK[134]DVPASEK[134]         |          |         |         |
|        |                    | 5047 YLESLGEEQR                                |          |         |         |
|        |                    | 5048 KQQLQEQSAPPSKPDGQLQFR                     |          |         |         |
|        |                    | 5049 YLQEVINVLETGDGHFREK                       |          |         |         |
|        |                    | 5050 MDAKQEPNLQVDHMNLLK                        |          |         |         |
|        |                    | 5051 EVWEELDGLDPNR[162]FNPK[134]               |          |         |         |
| Q3UHD6 | Q3UHD6 SNX27_MOUSE | Sorting nexin-27 - Mus musculus                | -0.28145 | 0.47813 | 16.3265 |
|        |                    | 5052 NSTTDQVYQAIAAK[134]                       |          |         |         |
|        |                    | 5053 WPFSLSEQQLDAR[162]                        |          |         |         |
|        |                    | 5054 LPGKWPFSLSEQQLDAR                         |          |         |         |
|        |                    | 5055 VALPDGTTVTVR                              |          |         |         |
|        |                    | 5056 WPFSLSEQQLDAR                             |          |         |         |
|        |                    | 5057 ILEVNGVNVEGATHK                           |          |         |         |
|        |                    | 5058 SESGYGFNVR[162]                           |          |         |         |
|        |                    | 5059 SESGYGFNVR                                |          |         |         |
|        |                    | 5060 VALPDGTTVTVR[162]                         |          |         |         |
|        |                    | 5061 EFANFTFPR[162]                            |          |         |         |
|        |                    | 5062 EFANFTFPR                                 |          |         |         |
|        |                    | 5063 NSTTDQVYQAIAAK                            |          |         |         |
|        |                    | 5064 QAVPISVPTYK[134]                          |          |         |         |
| Q5EG47 | Q5EG47 AAPK1_MOUSE | 5'-AMP-activated protein kinase catalytic subu | -0.36878 | 0.35268 | 4.8301  |
|        |                    | 5065 VPFLVAETPR                                |          |         |         |

|        |                    |                                              |          |         |         |
|--------|--------------------|----------------------------------------------|----------|---------|---------|
|        |                    | 5066 VPFLVAETPR[162]                         |          |         |         |
|        |                    | 5067 IGHYILGDTLGVGTFGK                       |          |         |         |
| Q64337 | Q64337 SQSTM_MOUSE | Sequestosome-1 - Mus musculus                | 0.45523  | 0.29045 | 9.276   |
|        |                    | 5068 NYDIGAALDTIQYSK                         |          |         |         |
|        |                    | 5069 NYDIGAALDTIQYSK[134]                    |          |         |         |
|        |                    | 5070 EAALYPHLPPEADPR[162]                    |          |         |         |
|        |                    | 5071 AYLLGK[134]EEATR[162]                   |          |         |         |
|        |                    | 5072 EAALYPHLPPEADPR                         |          |         |         |
|        |                    | 5073 AYLLGKEEATR                             |          |         |         |
| Q76MZ3 | Q76MZ3 2AAA_MOUSE  | Serine/threonine-protein phosphatase 2A 65 k | -0.04157 | 0.91655 | 21.2224 |
|        |                    | 5074 IGPILDNSTLQSEVKPILEK                    |          |         |         |
|        |                    | 5075 IGPILDNSTLQSEVK[134]PILEK[134]          |          |         |         |
|        |                    | 5076 HMLPTVLR[162]                           |          |         |         |
|        |                    | 5077 TDLVPAFQNLMK                            |          |         |         |
|        |                    | 5078 HMLPTVLR                                |          |         |         |
|        |                    | 5079 LAGGDWFTSR                              |          |         |         |
|        |                    | 5080 LAGGDWFTSR[162]                         |          |         |         |
|        |                    | 5081 LSTIALALGVER[162]                       |          |         |         |
|        |                    | 5082 VLAMSGDPNYLHR                           |          |         |         |
|        |                    | 5083 YMVADKFTELQK                            |          |         |         |
|        |                    | 5084 VLAMSGDPNYLHR[162]                      |          |         |         |
|        |                    | 5085 AISHEHSPSDLEAHFVPLVK                    |          |         |         |
|        |                    | 5086 LSTIALALGVER                            |          |         |         |
|        |                    | 5087 MAGDPVANVR                              |          |         |         |
|        |                    | 5088 VLELDNVK[134]                           |          |         |         |
|        |                    | 5089 VLELDNVK                                |          |         |         |
| Q8BMK4 | Q8BMK4 CKAP4_MOUSE | Cytoskeleton-associated protein 4 - Mus musc | 0.09066  | 0.83326 | 22.7826 |
|        |                    | 5090 SSLQTMESDVYTEVR                         |          |         |         |
|        |                    | 5091 LAMLQEHVGNLGSSSDLASTVR                  |          |         |         |
|        |                    | 5092 LAMLQEHVGNLGSSSDLASTVR[162]             |          |         |         |
|        |                    | 5093 HTESLESLLSK                             |          |         |         |

|        |                   |                                               |          |         |         |
|--------|-------------------|-----------------------------------------------|----------|---------|---------|
|        |                   | 5094 TAVDSLVAYSVK[134]                        |          |         |         |
|        |                   | 5095 TAVDSLVAYSVK                             |          |         |         |
|        |                   | 5096 HTESLESLLSK[134]                         |          |         |         |
|        |                   | 5097 SSVSQVESDLK                              |          |         |         |
|        |                   | 5098 RLEELQQLK                                |          |         |         |
|        |                   | 5099 SLGETQLALSSDLK                           |          |         |         |
|        |                   | 5100 SSVSQVESDLK[134]                         |          |         |         |
|        |                   | 5101 ERDFTSLENTVEER                           |          |         |         |
|        |                   | 5102 LALQALTEK[134]                           |          |         |         |
|        |                   | 5103 LALQALTEK                                |          |         |         |
|        |                   | 5104 ELVSLKQEQQAFK                            |          |         |         |
| Q8BP47 | Q8BP47 SYNC_MOUSE | Asparaginyl-tRNA synthetase, cytoplasmic - M  | 0.35705  | 0.40703 | 7.8712  |
|        |                   | 5105 EGIDPAPYYWYTDQR                          |          |         |         |
|        |                   | 5106 ISALEGYR                                 |          |         |         |
|        |                   | 5107 SWDSEEILEGYKR                            |          |         |         |
|        |                   | 5108 NLMFLVLR[162]                            |          |         |         |
|        |                   | 5109 NLMFLVLR                                 |          |         |         |
| Q8CBW3 | Q8CBW3 ABI1_MOUSE | Abl interactor 1 - Mus musculus               | -0.32775 | 0.40880 | 5.6133  |
|        |                   | 5110 KPIDYTVLDDVGHGVK                         |          |         |         |
|        |                   | 5111 K[134]PIDYTVLDDVGHGVK[134]               |          |         |         |
|        |                   | 5112 ALIESYQNLTR[162]                         |          |         |         |
|        |                   | 5113 ALIESYQNLTR                              |          |         |         |
| Q9CWJ9 | Q9CWJ9 PUR9_MOUSE | Bifunctional purine biosynthesis protein PURH | 0.14995  | 0.72768 | 15.0338 |
|        |                   | 5114 DVSELTGFPEMLGGR                          |          |         |         |
|        |                   | 5115 DVSELTGFPEMLGGR[162]                     |          |         |         |
|        |                   | 5116 SLASLGLSLVASGGTAK                        |          |         |         |
|        |                   | 5117 SLASLGLSLVASGGTAK[134]                   |          |         |         |
|        |                   | 5118 HVSPAGAAVGVPLSEDEAR                      |          |         |         |
|        |                   | 5119 HVSPAGAAVGVPLSEDEAR[162]                 |          |         |         |
|        |                   | 5120 EVSDGIVAPGYEEEALK                        |          |         |         |
|        |                   | 5121 GAVDIPAAASFK[134]                        |          |         |         |

|        |                    |      |                                              |         |         |         |
|--------|--------------------|------|----------------------------------------------|---------|---------|---------|
|        |                    | 5122 | GAVDIPAAASFK                                 |         |         |         |
|        |                    | 5123 | SLFSNIVTK[134]                               |         |         |         |
|        |                    | 5124 | SLFSNIVTK                                    |         |         |         |
| Q9D771 | Q9D771 CA075_MOUSE |      | Transmembrane protein C1orf75 homolog - M    | 0.44664 | 0.29965 | 10.8571 |
|        |                    | 5125 | ELVFLQFR[162]                                |         |         |         |
|        |                    | 5126 | QETSVVNYIDQRPAAER                            |         |         |         |
|        |                    | 5127 | ELVFLQFR                                     |         |         |         |
|        |                    | 5128 | QETSVVNYIDQR[162]PAAER[162]                  |         |         |         |
|        |                    | 5129 | TKEEDGREAVEFR                                |         |         |         |
| Q9EQP2 | Q9EQP2 EHD4_MOUSE  |      | EH domain-containing protein 4 - Mus musculi | 0.02878 | 0.94672 | 35.6747 |
|        |                    | 5130 | AMQEQLINYDFTK                                |         |         |         |
|        |                    | 5131 | AMQEQLINYDFTK[134]                           |         |         |         |
|        |                    | 5132 | EYQISAGDFPEVK[134]                           |         |         |         |
|        |                    | 5133 | LFEAEAQDLFR                                  |         |         |         |
|        |                    | 5134 | LFEAEAQDLFR[162]                             |         |         |         |
|        |                    | 5135 | LIEAVDNMLTNK                                 |         |         |         |
|        |                    | 5136 | LIEAVDNMLTNK[134]                            |         |         |         |
|        |                    | 5137 | SGGMDAVQTVTGGLR[162]                         |         |         |         |
|        |                    | 5138 | SISIIDSPGILSGEK[134]                         |         |         |         |
|        |                    | 5139 | VYIGSFWAQPLQNTDNR                            |         |         |         |
|        |                    | 5140 | VYIGSFWAQPLQNTDNR[162]                       |         |         |         |
|        |                    | 5141 | SGGMDAVQTVTGGLR                              |         |         |         |
|        |                    | 5142 | K[134]VLPLEEAYR[162]                         |         |         |         |
|        |                    | 5143 | IGPEPTTDSFIAMVYGETEGSTPGNALVVDPK             |         |         |         |
|        |                    | 5144 | VYIGSFWAQPLQNTDNR[162]R[162]                 |         |         |         |
|        |                    | 5145 | ADQVDTQQLMR[162]                             |         |         |         |
|        |                    | 5146 | EGADEEEWVVAK                                 |         |         |         |
|        |                    | 5147 | EYQISAGDFPEVK                                |         |         |         |
|        |                    | 5148 | FGNAFLNR                                     |         |         |         |
|        |                    | 5149 | FGNAFLNR[162]                                |         |         |         |
|        |                    | 5150 | SISIIDSPGILSGEK                              |         |         |         |

|        |                    |                                                 |         |         |         |
|--------|--------------------|-------------------------------------------------|---------|---------|---------|
|        |                    | 5151 VVLNKADQVDTQQLMR                           |         |         |         |
|        |                    | 5152 ADQVDTQQLMR                                |         |         |         |
|        |                    | 5153 VYIGSFWAQPLQNTDNRR                         |         |         |         |
|        |                    | 5154 VLPLEEAYR                                  |         |         |         |
|        |                    | 5155 DIQSLPQK                                   |         |         |         |
|        |                    | 5156 LPEIYVQLQR[162]                            |         |         |         |
|        |                    | 5157 DIQSLPQK[134]                              |         |         |         |
| Q9R0A0 | Q9R0A0 PEX14_MOUSE | Peroxisomal membrane protein PEX14 - Mus n      | 0.15960 | 0.71092 | 7.9787  |
|        |                    | 5158 VQELAHELATAK                               |         |         |         |
|        |                    | 5159 IPSWQIPVK                                  |         |         |         |
|        |                    | 5160 EPLIATAVK                                  |         |         |         |
| Q9WVE8 | Q9WVE8 PACN2_MOUSE | Protein kinase C and casein kinase substrate in | 0.36541 | 0.39613 | 16.6667 |
|        |                    | 5161 GRLDSGQVGLYPANYVEAIQ                       |         |         |         |
|        |                    | 5162 GR[162]LDSGQVGLYPANYVEAIQ                  |         |         |         |
|        |                    | 5163 HLDLSNVASYK                                |         |         |         |
|        |                    | 5164 HLDLSNVASYK[134]                           |         |         |         |
|        |                    | 5165 LDSGQVGLYPANYVEAIQ                         |         |         |         |
|        |                    | 5166 AADAVEDLR[162]                             |         |         |         |
|        |                    | 5167 ASLMNEDFEK                                 |         |         |         |
|        |                    | 5168 AYAQQLTEWAR[162]                           |         |         |         |
|        |                    | 5169 ASLMNEDFEK[134]                            |         |         |         |
|        |                    | 5170 AYAQQLTEWAR                                |         |         |         |
|        |                    | 5171 AADAVEDLR                                  |         |         |         |
|        |                    | 5172 VSELHLEVK                                  |         |         |         |
|        |                    | 5173 ADPSLNPEQLK                                |         |         |         |
| Q9QXY6 | Q9QXY6 EHD3_MOUSE  | EH domain-containing protein 3 - Mus musculi    | 0.27063 | 0.52970 | 3.5514  |
|        |                    | 5174 YLLEQDFPGMR                                |         |         |         |
|        |                    | 5175 YLLEQDFPGMR[162]                           |         |         |         |
|        |                    | 5176 LPNSVLGK                                   |         |         |         |
| Q99LI2 | Q99LI2 CLCC1_MOUSE | Chloride channel CLIC-like protein 1 precursor  | 0.40652 | 0.34517 | 5.3803  |
|        |                    | 5177 AFDLPDTEAQEHPEVVPSHK                       |         |         |         |

|        |                   |                                              |         |         |         |
|--------|-------------------|----------------------------------------------|---------|---------|---------|
| Q9WVK4 | Q9WVK4 EHD1_MOUSE | 5178 YDAEILLSR                               |         |         |         |
|        |                   | EH domain-containing protein 1 - Mus musculi | 0.07536 | 0.86108 | 42.6966 |
|        |                   | 5179 VYGALMWSLGK                             |         |         |         |
|        |                   | 5180 VYGALMWSLGK[134]                        |         |         |         |
|        |                   | 5181 ELVNNLGEIYQK                            |         |         |         |
|        |                   | 5182 LLDTVDDMLANDIAR                         |         |         |         |
|        |                   | 5183 LLDTVDDMLANDIAR[162]                    |         |         |         |
|        |                   | 5184 EHQISSGDFPSLR                           |         |         |         |
|        |                   | 5185 IEREHQISSGDFPSLR                        |         |         |         |
|        |                   | 5186 ELVNNLGEIYQK[134]                       |         |         |         |
|        |                   | 5187 HLIEQDFPGMR                             |         |         |         |
|        |                   | 5188 HLIEQDFPGMR[162]                        |         |         |         |
|        |                   | 5189 LNAFGNAFLNR[162]                        |         |         |         |
|        |                   | 5190 MQELLQTQDFSK                            |         |         |         |
|        |                   | 5191 LNAFGNAFLNR                             |         |         |         |
|        |                   | 5192 KMQELLQTQDFSK                           |         |         |         |
|        |                   | 5193 QEESLMPSQAVK[134]                       |         |         |         |
|        |                   | 5194 EHQISSGDFPSLR[162]                      |         |         |         |
|        |                   | 5195 QEESLMPSQAVK                            |         |         |         |
|        |                   | 5196 LLPLEEHYR[162]                          |         |         |         |
|        |                   | 5197 KLNAFGNAFLNR                            |         |         |         |
|        |                   | 5198 VYIGSFWSHPLLIPDNR                       |         |         |         |
|        |                   | 5199 IGPEPTTDSFIAMVHGPTEGVVPGNALVVDPR        |         |         |         |
|        |                   | 5200 KKELVNNLGEIYQK                          |         |         |         |
|        |                   | 5201 EPELFQTVAEGLR                           |         |         |         |
|        |                   | 5202 LADVDDKGLLDDEEFALANHLIK                 |         |         |         |
|        |                   | 5203 LFEAEEQDLFK[134]                        |         |         |         |
|        |                   | 5204 LFEAEEQDLFK                             |         |         |         |
|        |                   | 5205 SKLPNTVLGK                              |         |         |         |
|        |                   | 5206 MQELLQTQDFSK[134]                       |         |         |         |
|        |                   | 5207 IINTPEVVR                               |         |         |         |

|        |                    |                                              |          |         |         |
|--------|--------------------|----------------------------------------------|----------|---------|---------|
| P10923 | P10923 OSTP_MOUSE  | Osteopontin precursor - Mus musculus         | -0.65982 | 0.09633 | 14.966  |
|        |                    | 5208 SFQVSDEQYPDATDEDLTSHMK                  |          |         |         |
|        |                    | 5209 SFQVSDEQYPDATDEDLTSHMK[134]             |          |         |         |
|        |                    | 5210 ISHELESSSEVN                            |          |         |         |
|        |                    | 5211 GDSLAYGLR[162]                          |          |         |         |
| P58742 | P58742 AAAS_MOUSE  | Aladin - Mus musculus                        | -0.60978 | 0.12434 | 5.6777  |
|        |                    | 5212 GNPQVQDGNPVILLFR[162]                   |          |         |         |
|        |                    | 5213 GNPQVQDGNPVILLFR                        |          |         |         |
|        |                    | 5214 GGGVTNLLWSPDGSK[134]                    |          |         |         |
| P11984 | P11984 TCPA1_MOUSE | T-complex protein 1 subunit alpha A - Mus mu | 0.02276  | 0.95786 | 11.8705 |
|        |                    | 5215 SQNVMAAASIANIVK[134]                    |          |         |         |
|        |                    | 5216 SQNVMAAASIANIVK                         |          |         |         |
|        |                    | 5217 EQLAIAEFAR                              |          |         |         |
|        |                    | 5218 WIGLDLVHGKPR                            |          |         |         |
|        |                    | 5219 EQLAIAEFAR[162]                         |          |         |         |
|        |                    | 5220 LLEVEHPAAK                              |          |         |         |
|        |                    | 5221 LLEVEHPAAK[134]                         |          |         |         |
|        |                    | 5222 TSASIILR[162]                           |          |         |         |
|        |                    | 5223 QAGVFPEPTIVK                            |          |         |         |
| P29351 | P29351 PTN6_MOUSE  | Tyrosine-protein phosphatase non-receptor ty | -0.39679 | 0.31731 | 12.2689 |
|        |                    | 5224 DSNIPGSDYINANYVK                        |          |         |         |
|        |                    | 5225 DSNIPGSDYINANYVK[134]                   |          |         |         |
|        |                    | 5226 VYGLYSVTNSR[162]                        |          |         |         |
|        |                    | 5227 DLSGPDAETLLK[134]                       |          |         |         |
|        |                    | 5228 TLQISPLDNGDLVR                          |          |         |         |
|        |                    | 5229 TLQISPLDNGDLVR[162]                     |          |         |         |
|        |                    | 5230 DLSGPDAETLLK                            |          |         |         |
|        |                    | 5231 VYGLYSVTNSR                             |          |         |         |
|        |                    | 5232 GEPWTFLVR                               |          |         |         |
|        |                    | 5233 NQLLGPDENSK                             |          |         |         |
| P42932 | P42932 TCPQ_MOUSE  | T-complex protein 1 subunit theta - Mus musc | -0.09796 | 0.80500 | 20.8029 |



|        |                   |                                              |          |         |        |
|--------|-------------------|----------------------------------------------|----------|---------|--------|
|        |                   | 5234 FAEAFEAI PR                             |          |         |        |
|        |                   | 5235 FAEAFEAI PR[162]                        |          |         |        |
|        |                   | 5236 LFVTNDAATIL R[162]                      |          |         |        |
|        |                   | 5237 LFVTNDAATIL R                           |          |         |        |
|        |                   | 5238 DVDEVSSLL R                             |          |         |        |
|        |                   | 5239 AIAGTGANVIVTGG K                        |          |         |        |
|        |                   | 5240 AIAGTGANVIVTGG K[134]                   |          |         |        |
|        |                   | 5241 APGFAQML K                              |          |         |        |
|        |                   | 5242 GSTDNLMD DIER                           |          |         |        |
|        |                   | 5243 GSTDNLMD DIER[162]                      |          |         |        |
|        |                   | 5244 HFSGLEEA VYR                            |          |         |        |
|        |                   | 5245 APGFAQML K[134]                         |          |         |        |
|        |                   | 5246 HFSGLEEA VYR[162]                       |          |         |        |
|        |                   | 5247 LATNAAVTVL R[162]                       |          |         |        |
|        |                   | 5248 LATNAAVTVL R                            |          |         |        |
|        |                   | 5249 DVDEVSSLL R[162]                        |          |         |        |
|        |                   | 5250 QYGSETFL AK[134]                        |          |         |        |
|        |                   | 5251 EDGAISTIVL R                            |          |         |        |
|        |                   | 5252 NLRDVDEVSSLL R                          |          |         |        |
| P80317 | P80317 TCPZ_MOUSE | T-complex protein 1 subunit zeta - Mus muscu | -0.05440 | 0.89095 | 12.806 |
|        |                   | 5253 GIDPFSLDAL AK[134]                      |          |         |        |
|        |                   | 5254 VLAQNSGFDLQETLV K                       |          |         |        |
|        |                   | 5255 VLAQNSGFDLQETLV K[134]                  |          |         |        |
|        |                   | 5256 GIDPFSLDAL AK                           |          |         |        |
|        |                   | 5257 ALQFLEQVK[134]                          |          |         |        |
|        |                   | 5258 ALQFLEQVK                               |          |         |        |
|        |                   | 5259 IITEGF EAAK                             |          |         |        |
|        |                   | 5260 DGNVLLHEMQIQHPTASLIA K                  |          |         |        |
| Q8VCM8 | Q8VCM8 NCLN_MOUSE | Nicalin precursor - Mus musculus             | -0.19885 | 0.61627 | 9.2362 |
|        |                   | 5261 MQQYDLQGQPYGTR                          |          |         |        |
|        |                   | 5262 MQQYDLQGQPYGTR[162]                     |          |         |        |

|        |                    |                                               |          |         |         |
|--------|--------------------|-----------------------------------------------|----------|---------|---------|
|        |                    | 5263 TVDADVLSR                                |          |         |         |
|        |                    | 5264 IIAEALTR                                 |          |         |         |
|        |                    | 5265 AMAAVPQDVVR[162]                         |          |         |         |
|        |                    | 5266 EGTLQHAFLR[162]                          |          |         |         |
|        |                    | 5267 IIAEALTR[162]                            |          |         |         |
| Q91WE6 | Q91WE6 CDKAL_MOUSE | CDK5 regulatory subunit-associated protein 1- | -0.01393 | 0.97199 | 4.4983  |
|        |                    | 5268 GNLASYPIDELVER[162]                      |          |         |         |
|        |                    | 5269 GNLASYPIDELVER                           |          |         |         |
|        |                    | 5270 LVEVIPEGAMLR                             |          |         |         |
| Q9D024 | Q9D024 CC47_MOUSE  | Coiled-coil domain-containing protein 47 prec | 0.29160  | 0.49831 | 18.4265 |
|        |                    | 5271 MMRPVSDQVQIK                             |          |         |         |
|        |                    | 5272 RQDLLNVLAR                               |          |         |         |
|        |                    | 5273 LAQAWFNSHR                               |          |         |         |
|        |                    | 5274 ARVEENFLK                                |          |         |         |
|        |                    | 5275 QDLLNVLAR[162]                           |          |         |         |
|        |                    | 5276 IMQEEGQPLKLPDTKR                         |          |         |         |
|        |                    | 5277 QDLLNVLAR                                |          |         |         |
|        |                    | 5278 LAQAWFNSHR[162]                          |          |         |         |
|        |                    | 5279 ELLESNFTLVGDDGTNKEATSTGK                 |          |         |         |
|        |                    | 5280 MMR[162]PVSDQVQIK[134]                   |          |         |         |
|        |                    | 5281 R[162]QDLLNVLAR[162]                     |          |         |         |
|        |                    | 5282 IMQEEGQPLK[134]LPDTK[134]                |          |         |         |
|        |                    | 5283 AR[162]VEENFLK[134]                      |          |         |         |
|        |                    | 5284 IMQEEGQPLKLPDTK                          |          |         |         |
|        |                    | 5285 R[162]LEEAALR[162]                       |          |         |         |
|        |                    | 5286 RLEEAALR                                 |          |         |         |
|        |                    | 5287 IMQEEGQPLK[134]LPDTK[134]R[162]          |          |         |         |
| P14211 | P14211 CALR_MOUSE  | Calreticulin precursor - Mus musculus         | -0.40432 | 0.30822 | 29.3269 |
|        |                    | 5288 EQFLDGDWATNR[162]                        |          |         |         |
|        |                    | 5289 FYGDLEKDKGLQTSQDAR                       |          |         |         |
|        |                    | 5290 IDNSQVESGSLEDDWDFLPPK[134]K[134]         |          |         |         |

|        |                    |                                              |          |         |         |
|--------|--------------------|----------------------------------------------|----------|---------|---------|
|        |                    | 5291 IKDPDAAKPEDWDER                         |          |         |         |
|        |                    | 5292 EQFLDGDWNTNR                            |          |         |         |
|        |                    | 5293 IDNSQVESGSLEDDWDFLPPKK                  |          |         |         |
|        |                    | 5294 VHVIFNYK                                |          |         |         |
|        |                    | 5295 KVHVIFNYK                               |          |         |         |
|        |                    | 5296 K[134]VHVIFNYK[134]                     |          |         |         |
|        |                    | 5297 AKIDDPDTSKPEDWDKPEHIPDPDAK              |          |         |         |
|        |                    | 5298 VHVIFNYK[134]                           |          |         |         |
|        |                    | 5299 IK[134]DPDAAK[134]PEDWDER[162]          |          |         |         |
|        |                    | 5300 KIKDPDAAKPEDWDER                        |          |         |         |
|        |                    | 5301 FYGDLEK[134]DK[134]                     |          |         |         |
|        |                    | 5302 IKDPDAAKPEDWDERAK                       |          |         |         |
|        |                    | 5303 FYGDLEKDK                               |          |         |         |
|        |                    | 5304 QIDNPDYK[134]                           |          |         |         |
|        |                    | 5305 QIDNPDYK                                |          |         |         |
|        |                    | 5306 SDFGKFLSSGK                             |          |         |         |
|        |                    | 5307 SDFGK[134]FVLSSGK[134]                  |          |         |         |
|        |                    | 5308 FVLSSGK                                 |          |         |         |
|        |                    | 5309 FYGDLEK[134]DK[134]GLQTSQDAR[162]       |          |         |         |
| P28656 | P28656 NP1L1_MOUSE | Nucleosome assembly protein 1-like 1 - Mus m | -0.03579 | 0.92812 | 7.4169  |
|        |                    | 5310 LDGLVDTPPTYIESLPK                       |          |         |         |
|        |                    | 5311 LDGLVDTPPTYIESLPK[134]                  |          |         |         |
|        |                    | 5312 YAVLYQPLFDKR                            |          |         |         |
| P52480 | P52480 KPYM_MOUSE  | Pyruvate kinase isozymes M1/M2 - Mus muscu   | 0.43313  | 0.31450 | 45.5744 |
|        |                    | 5313 DAVLNAAEDVDLR                           |          |         |         |
|        |                    | 5314 GADFLVTEVENGGSLGSK                      |          |         |         |
|        |                    | 5315 GADFLVTEVENGGSLGSK[134]                 |          |         |         |
|        |                    | 5316 GVNLPGAAVDLPVSEK                        |          |         |         |
|        |                    | 5317 GVNLPGAAVDLPVSEK[134]                   |          |         |         |
|        |                    | 5318 LNFSHGTHEYHAETIK                        |          |         |         |
|        |                    | 5319 LNFSHGTHEYHAETIK[134]                   |          |         |         |

5320 LDIDSAPITAR[162]  
5321 KGVNLPGAAVDLPVASEK  
5322 LDIDSAPITAR  
5323 GDLGIEIPA EK[134]  
5324 EATESFASDPILYRPVAVALDTK  
5325 APIIAVTR  
5326 ITLDNAYMEK  
5327 GDLGIEIPA EK  
5328 VNLAMDVGK  
5329 APIIAVTR[162]  
5330 SVEMLKEMIK  
5331 GADFLVTEVENGGSLGSKK  
5332 ITLDNAYMEK[134]  
5333 GDYPLEAVR[162]  
5334 GDYPLEAVR  
5335 VNLAMDVGK[134]  
5336 DAVLNAWAEDVDLR[162]  
5337 LAPITSDPTEAAAVGAVEASFK  
5338 LAPITSDPTEAAAVGAVEASFK[134]  
5339 IYVDDGLISLQVK[134]  
5340 RFDEILEASDGIMVAR  
5341 K[134]GVNLPGAAVDLPVASEK[134]  
5342 EAEEAIYHLQLFEELRR  
5343 EATESFASDPILYR[162]PVAVALDTK[134]  
5344 IYVDDGLISLQVK  
5345 GDLGIEIPA EKVF LAQK  
5346 GDLGIEIPA EK[134]VF LAQK[134]  
5347 GVNLPGAAVDLPVASEK[134]DIQDLK[134]  
5348 EATESFASDPILYRPVAVALDTKGPEIR  
5349 KGVNLPGAAVDLPVASEKDIQDLK  
5350 GVNLPGAAVDLPVASEKDIQDLK

|        |                    |                                                 |         |         |         |
|--------|--------------------|-------------------------------------------------|---------|---------|---------|
| P80316 | P80316 TCPE_MOUSE  | T-complex protein 1 subunit epsilon - Mus mu:   | 0.09062 | 0.83333 | 10.1664 |
|        |                    | 5351 VLVDINNPEPLIQTAK                           |         |         |         |
|        |                    | 5352 VLVDINNPEPLIQTAK[134]                      |         |         |         |
|        |                    | 5353 QQISLATQMVR                                |         |         |         |
|        |                    | 5354 DVDFELIKVEGK                               |         |         |         |
|        |                    | 5355 LGFAGVVQEISFGTTK                           |         |         |         |
| Q60664 | Q60664 LRMP_MOUSE  | Lymphoid-restricted membrane protein - Mus      | 0.50821 | 0.23794 | 8.9054  |
|        |                    | 5356 AASQLEAGEELR                               |         |         |         |
|        |                    | 5357 NLGNVGLVSGMENNDR                           |         |         |         |
|        |                    | 5358 AASQLEAGEELR[162]                          |         |         |         |
|        |                    | 5359 AEMLGAINQESR[162]                          |         |         |         |
|        |                    | 5360 AEMLGAINQESR                               |         |         |         |
|        |                    | 5361 VTIASLPR[162]                              |         |         |         |
| Q64FW2 | Q64FW2 RETST_MOUSE | All-trans-retinol 13,14-reductase precursor - N | 0.08053 | 0.85165 | 4.1051  |
|        |                    | 5362 ATVQSVLLDSAGR                              |         |         |         |
|        |                    | 5363 ATVQSVLLDSAGR[162]                         |         |         |         |
|        |                    | 5364 NLYSDLQALGSK[134]                          |         |         |         |
|        |                    | 5365 NLYSDLQALGSK                               |         |         |         |
| Q8CIN4 | Q8CIN4 PAK2_MOUSE  | Serine/threonine-protein kinase PAK 2 - Mus n   | 0.24367 | 0.57150 | 5.7252  |
|        |                    | 5366 SVIDPIPAPVGDSNVDSGAK                       |         |         |         |
|        |                    | 5367 SVIDPIPAPVGDSNVDSGAK[134]                  |         |         |         |
|        |                    | 5368 IISIFSGTEK                                 |         |         |         |
| Q8JZW4 | Q8JZW4 CPNE5_MOUSE | Copine-5 - Mus musculus                         | 0.08053 | 0.85165 | 3.8786  |
|        |                    | 5369 TEVIDNTLNPDFVR                             |         |         |         |
|        |                    | 5370 SDPFLVFYR                                  |         |         |         |
|        |                    | 5371 SDPFLVFYR[162]                             |         |         |         |
| Q8R180 | Q8R180 ERO1A_MOUSE | ERO1-like protein alpha precursor - Mus musci   | 0.09946 | 0.81735 | 17.4569 |
|        |                    | 5372 LGAVDESLSEETQK                             |         |         |         |
|        |                    | 5373 LGAVDESLSEETQK[134]                        |         |         |         |
|        |                    | 5374 QEIVSLFNAFGR                               |         |         |         |
|        |                    | 5375 FDGILTEGEGPR                               |         |         |         |

|        |                    |                                              |          |         |         |
|--------|--------------------|----------------------------------------------|----------|---------|---------|
|        |                    | 5376 FDGILTEGEGPR[162]                       |          |         |         |
|        |                    | 5377 LLESDYFR                                |          |         |         |
|        |                    | 5378 LLESDYFR[162]                           |          |         |         |
|        |                    | 5379 LQTQGLGTALK                             |          |         |         |
|        |                    | 5380 YLLQDTWLEK[134]                         |          |         |         |
|        |                    | 5381 HLLQNVH                                 |          |         |         |
|        |                    | 5382 AVLQWTK                                 |          |         |         |
|        |                    | 5383 QEIVSLFNAFGR[162]                       |          |         |         |
| Q9CWP6 | Q9CWP6 MSPD2_MOUSE | Motile sperm domain-containing protein 2 - M | -0.10343 | 0.79435 | 10.2317 |
|        |                    | 5384 HNVVDETLK                               |          |         |         |
|        |                    | 5385 TLIVLTNVTK                              |          |         |         |
|        |                    | 5386 HNVVDETLK[134]                          |          |         |         |
|        |                    | 5387 TLIVLTNVTK[134]                         |          |         |         |
|        |                    | 5388 EFSVNDLSESSIPR                          |          |         |         |
|        |                    | 5389 EFSVNDLSESSIPR[162]                     |          |         |         |
|        |                    | 5390 SWLGPEAVSLLK                            |          |         |         |
|        |                    | 5391 SWLGPEAVSLLK[134]                       |          |         |         |
|        |                    | 5392 LIAFWLER[162]                           |          |         |         |
| Q9WUM4 | Q9WUM4 COR1C_MOUSE | Coronin-1C - Mus musculus                    | -0.08214 | 0.83600 | 7.8059  |
|        |                    | 5393 VGIVAWHPTAR                             |          |         |         |
|        |                    | 5394 NADPILISLK                              |          |         |         |
|        |                    | 5395 NADPILISLK[134]                         |          |         |         |
|        |                    | 5396 AIFLADGNVFTTGFSR                        |          |         |         |
|        |                    | 5397 AIFLADGNVFTTGFSR[162]                   |          |         |         |
|        |                    | 5398 VGIVAWHPTAR[162]                        |          |         |         |
| Q9D0F3 | Q9D0F3 LMAN1_MOUSE | Protein ERGIC-53 precursor - Mus musculus    | -0.07691 | 0.84632 | 37.1373 |
|        |                    | 5399 QLDMILDEQRR                             |          |         |         |
|        |                    | 5400 YVSSLTEEISR                             |          |         |         |
|        |                    | 5401 YVSSLTEEISR[162]                        |          |         |         |
|        |                    | 5402 GHPDLQGQPADDIFESIGDR                    |          |         |         |
|        |                    | 5403 GHPDLQGQPADDIFESIGDR[162]               |          |         |         |

5404 RGAGTPGQPGQVSQQELDTVVK  
 5405 GAGTPGQPGQVSQQELDTVVK  
 5406 GAGTPGQPGQVSQQELDTVVK[134]  
 5407 QLDMILDEQR[162]R[162]  
 5408 DIDSLAQR  
 5409 AAFENWEVEVTFR  
 5410 GHPDLQGQPADDIFESIGDREL  
 5411 AAFENWEVEVTFR[162]  
 5412 YVSSLTEEISRR  
 5413 SQQEILR[162]  
 5414 NSMSETVR[162]  
 5415 GPHLVQSDGTVPFWAHAGNAIPSADQIR  
 5416 LVSGIQHPGSAGVYETTQHFMDIK  
 5417 YQEEFEHFQQELDKK  
 5418 YQEEFEHFQQELDK[134]  
 5419 YQEEFEHFQQELDK  
 5420 QVNEVKNSMSETVR  
 5421 QVNEVK[134]NSMSETVR[162]  
 5422 GHPDLQGQPADDIFESIGDR[162]ELR[162]  
 5423 AKITYYQK  
 5424 GPHLVQSDGTVPFWAHAGNAIPSADQIR[162]  
 5425 QLDMILDEQR  
 5426 QLDMILDEQR[162]  
 5427 QVFEGQNR  
 5428 QVFEGQNR[162]  
 5429 DIDSLAQR[162]  
 5430 NSMSETVR  
 5431 LVSGIQHPGSAGVYETTQHFMDIK[134]  
 5432 YVSSLTEEISR[162]R[162]  
 5433 EAINVEQAFQTIAR

|        |                    |                                           |         |         |         |
|--------|--------------------|-------------------------------------------|---------|---------|---------|
| P51150 | P51150 RAB7A_MOUSE | Ras-related protein Rab-7a - Mus musculus | 0.04131 | 0.92358 | 37.1981 |
|--------|--------------------|-------------------------------------------|---------|---------|---------|

|        |                    |                                          |          |         |         |
|--------|--------------------|------------------------------------------|----------|---------|---------|
|        |                    | 5434 DPENFPFVVLGNK                       |          |         |         |
|        |                    | 5435 EAINVEQAFQTIAR[162]                 |          |         |         |
|        |                    | 5436 ATIGADFLTK[134]                     |          |         |         |
|        |                    | 5437 NNIPYFETSAK                         |          |         |         |
|        |                    | 5438 VIILGDSGVGK[134]                    |          |         |         |
|        |                    | 5439 DPENFPFVVLGNK[134]                  |          |         |         |
|        |                    | 5440 VIILGDSGVGK                         |          |         |         |
|        |                    | 5441 ATIGADFLTK                          |          |         |         |
|        |                    | 5442 FQSLGVAFYR[162]                     |          |         |         |
|        |                    | 5443 FQSLGVAFYR                          |          |         |         |
|        |                    | 5444 NNIPYFETSAK[134]                    |          |         |         |
|        |                    | 5445 AQAWC[174]YSK                       |          |         |         |
| Q8C166 | Q8C166 CPNE1_MOUSE | Copine-1 - Mus musculus                  | 1.31880  | 0.00220 | 6.3433  |
|        |                    | 5446 LYGPTNFAPIINHVAR                    |          |         |         |
|        |                    | 5447 SDPFLEFFR                           |          |         |         |
|        |                    | 5448 FGIYDIDNK[134]                      |          |         |         |
|        |                    | 5449 FGIYDIDNK                           |          |         |         |
|        |                    | 5450 SDPFLEFFR[162]                      |          |         |         |
| Q9JLB0 | Q9JLB0 MPP6_MOUSE  | MAGUK p55 subfamily member 6 - Mus muscu | -0.17440 | 0.66028 | 28.9331 |
|        |                    | 5451 EGGSAGLIPSQFLEEK[134]               |          |         |         |
|        |                    | 5452 IDSILEVVQTGR[162]                   |          |         |         |
|        |                    | 5453 YLEHGEYEGNLYGTK                     |          |         |         |
|        |                    | 5454 YLEHGEYEGNLYGTK[134]                |          |         |         |
|        |                    | 5455 NAEFDR[162]HEIQIYEEVAK[134]         |          |         |         |
|        |                    | 5456 NAEFDRHEIQIYEEVAK                   |          |         |         |
|        |                    | 5457 ILHGGMIDR                           |          |         |         |
|        |                    | 5458 QGLLHVGDIIK[134]                    |          |         |         |
|        |                    | 5459 FSK[134]GEILQIVNR[162]              |          |         |         |
|        |                    | 5460 LLTDSDLK[134]K[134]                 |          |         |         |
|        |                    | 5461 IDSILEVVQTGR                        |          |         |         |
|        |                    | 5462 QGLLHVGDIIK                         |          |         |         |



|        |                    |                                                  |          |         |        |
|--------|--------------------|--------------------------------------------------|----------|---------|--------|
|        |                    | 5463 AVVDAGITTK[134]                             |          |         |        |
|        |                    | 5464 EGGSAGLIPSQFLEEK                            |          |         |        |
|        |                    | 5465 GEILQIVNR[162]                              |          |         |        |
|        |                    | 5466 FSKGEILQIVNR                                |          |         |        |
|        |                    | 5467 GEILQIVNR                                   |          |         |        |
|        |                    | 5468 VENNDLVIAR[162]                             |          |         |        |
|        |                    | 5469 AVVDAGITTK                                  |          |         |        |
|        |                    | 5470 VENNDLVIAR                                  |          |         |        |
|        |                    | 5471 FGTTVPFTSR                                  |          |         |        |
|        |                    | 5472 EGGSAGLIPSQFLEEKR                           |          |         |        |
|        |                    | 5473 GIMENPIVK                                   |          |         |        |
|        |                    | 5474 FGTTVPFTSR[162]                             |          |         |        |
|        |                    | 5475 AGEPLGVTFR                                  |          |         |        |
|        |                    | 5476 KAGEPLGVTFR                                 |          |         |        |
|        |                    | 5477 FIVLNPAR[162]                               |          |         |        |
|        |                    | 5478 LLTDSLKK                                    |          |         |        |
|        |                    | 5479 AGEPLGVTFR[162]                             |          |         |        |
|        |                    | 5480 GIMENPIVK[134]                              |          |         |        |
| Q61235 | Q61235 SNTB2_MOUSE | Beta-2-syntrophin - Mus musculus                 | -0.60978 | 0.12434 | 6.3462 |
|        |                    | 5481 AGLVELLLR[162]                              |          |         |        |
|        |                    | 5482 AGLVELLLR                                   |          |         |        |
|        |                    | 5483 IFPGLAADQSR[162]                            |          |         |        |
|        |                    | 5484 SPSLGSDLTfATR                               |          |         |        |
| P01901 | P01901 HA1B_MOUSE  | H-2 class I histocompatibility antigen, K-B alph | 1.50443  | 0.00048 | 6.7751 |
|        |                    | 5485 YFVTAVSRPGLGEPR                             |          |         |        |
|        |                    | 5486 YFVTAVSR[162]PGLGEPR[162]                   |          |         |        |
|        |                    | 5487 VMVHDPHSLA                                  |          |         |        |
| O35474 | O35474 EDIL3_MOUSE | EGF-like repeat and discoidin I-like domain-cor  | -0.89929 | 0.02343 | 5.8333 |
|        |                    | 5488 GNVDNNTPYANSFTPIK                           |          |         |        |
|        |                    | 5489 NVIDPPIYAR                                  |          |         |        |
|        |                    | 5490 GNVDNNTPYANSFTPIK[134]                      |          |         |        |

|        |                    |      |                                                   |          |         |         |
|--------|--------------------|------|---------------------------------------------------|----------|---------|---------|
| P01902 | P01902 HA1D_MOUSE  | 5491 | NVIDPPIYAR[162]                                   | 0.99489  | 0.02087 | 26.3587 |
|        |                    |      | H-2 class I histocompatibility antigen, K-D alpha |          |         |         |
|        |                    | 5492 | GVNYALAPGSQTSDSLSPDGK                             |          |         |         |
|        |                    | 5493 | FIAVGyvDDTQFVR                                    |          |         |         |
|        |                    | 5494 | FIAVGyvDDTQFVR[162]                               |          |         |         |
|        |                    | 5495 | GVNYALAPGSQTSDSLSPDGK[134]                        |          |         |         |
|        |                    | 5496 | GYQQFAYDGR                                        |          |         |         |
|        |                    | 5497 | TWTAADTAALITR                                     |          |         |         |
|        |                    | 5498 | TWTAADTAALITR[162]                                |          |         |         |
|        |                    | 5499 | GLPEPLTLR[162]                                    |          |         |         |
|        |                    | 5500 | FSDADNPRFEPR                                      |          |         |         |
|        |                    | 5501 | AKSDEQWFR                                         |          |         |         |
|        |                    | 5502 | SQVDVTLR                                          |          |         |         |
| O89016 | O89016 ABCD4_MOUSE |      | ATP-binding cassette sub-family D member 4 -      | 0.17871  | 0.67814 | 5.9406  |
|        |                    | 5503 | IGELQEALLDMSR                                     |          |         |         |
|        |                    | 5504 | FLELAGLSSLVAR                                     |          |         |         |
|        |                    | 5505 | VNAEPAAFYR                                        |          |         |         |
| P26638 | P26638 SYSC_MOUSE  |      | Seryl-tRNA synthetase, cytoplasmic - Mus mus      | 0.16919  | 0.69440 | 22.2656 |
|        |                    | 5506 | GYTPIYTPFFMR[162]                                 |          |         |         |
|        |                    | 5507 | KLDLEAWFPGSGAFR                                   |          |         |         |
|        |                    | 5508 | FK[134]DPGLVDQLVK[134]                            |          |         |         |
|        |                    | 5509 | FKDPGLVDQLVK                                      |          |         |         |
|        |                    | 5510 | YLIATSEQPIAALHR                                   |          |         |         |
|        |                    | 5511 | EVPLENQLQSMEVTEA                                  |          |         |         |
|        |                    | 5512 | LLIDEAIQK                                         |          |         |         |
|        |                    | 5513 | LLIDEAIQK[134]                                    |          |         |         |
|        |                    | 5514 | YLIATSEQPIAALHR[162]                              |          |         |         |
|        |                    | 5515 | EIGNLLHPSVPISNDEDADNKVER                          |          |         |         |
| P63038 | P63038 CH60_MOUSE  | 5516 | GYTPIYTPFFMR                                      | -0.49944 | 0.20814 | 32.2862 |
|        |                    | 5517 | VDKGGDPALIR                                       |          |         |         |
|        |                    |      | 60 kDa heat shock protein, mitochondrial prec     |          |         |         |

5518 GYISPYFINTSK[134]  
 5519 LVQDVANNTNEEAGDGTTTATVLAR  
 5520 LVQDVANNTNEEAGDGTTTATVLAR[162]  
 5521 TLNDELEIIEGMK  
 5522 TLNDELEIIEGMK[134]  
 5523 VGEVIVTKDDAMLLK  
 5524 VGEVIVTK[134]DDAMLLK[134]  
 5525 ALKIPAMTIK  
 5526 KISSVQSIVPALEIANAHR  
 5527 K[134]ISSVQSIVPALEIANAHR[162]  
 5528 ISSVQSIVPALEIANAHR[162]  
 5529 ALK[134]IPAMTIK[134]  
 5530 ISSVQSIVPALEIANAHR  
 5531 TVIEQSWGSPK  
 5532 GYISPYFINTSK  
 5533 VGLQVAVK  
 5534 VGLQVAVK[134]  
 5535 TVIEQSWGSPK[134]  
 5536 VTDALNATR  
 5537 NAGVEGSLIVEK  
 5538 VTDALNATR[162]  
 5539 NAGVEGSLIVEK[134]  
 5540 VGLQVAVKAPGFGDNR  
 5541 LSDGVAVLK[134]  
 5542 IQEITEQLDITTSEYEKEK  
 5543 LSDGVAVLK  
 5544 IGIEIK[134]R[162]  
 5545 IGIEIKR  
 5546 IQEITEQLDITTSEYEKEKLNER  
 5547 IGIEIK

|        |                                                                      |          |         |        |
|--------|----------------------------------------------------------------------|----------|---------|--------|
| Q3TW96 | Q3TW96 Q3TW96_MOUSE Osteoclast-like cell cDNA, RIKEN full-length eni | -0.18657 | 0.63821 | 5.5227 |
|--------|----------------------------------------------------------------------|----------|---------|--------|

|        |                    |                                              |          |         |         |
|--------|--------------------|----------------------------------------------|----------|---------|---------|
|        |                    | 5548 AAAAGALAPGPLDLAAR[162]                  |          |         |         |
|        |                    | 5549 AAAAGALAPGPLDLAAR                       |          |         |         |
|        |                    | 5550 FYADLAPEAR                              |          |         |         |
|        |                    | 5551 FYADLAPEAR[162]                         |          |         |         |
| Q8BT60 | Q8BT60 CPNE3_MOUSE | Copine-3 - Mus musculus                      | -0.56360 | 0.15549 | 14.0713 |
|        |                    | 5552 LYGPTNFSPIINHVAR                        |          |         |         |
|        |                    | 5553 GSITISAEIK[134]DNR[162]                 |          |         |         |
|        |                    | 5554 LYGPTNFSPIINHVAR[162]                   |          |         |         |
|        |                    | 5555 VVLFEMEAR                               |          |         |         |
|        |                    | 5556 VVLFEMEAR[162]                          |          |         |         |
|        |                    | 5557 APSGEVAIRDIVQFVPFR                      |          |         |         |
|        |                    | 5558 K[134]LTR[162]PLVLK[134]                |          |         |         |
|        |                    | 5559 SDPYLEFHK                               |          |         |         |
| Q8BXZ1 | Q8BXZ1 TXD10_MOUSE | Protein disulfide-isomerase TXNDC10 precursc | 0.69825  | 0.10492 | 22.3684 |
|        |                    | 5560 MDATSYSSIASSEFGVR                       |          |         |         |
|        |                    | 5561 MDATSYSSIASSEFGVR[162]                  |          |         |         |
|        |                    | 5562 TKDDIIEFAHR                             |          |         |         |
|        |                    | 5563 LKSIIQEVAR                              |          |         |         |
|        |                    | 5564 SIIQEVAR                                |          |         |         |
|        |                    | 5565 VFFVYIGGESPLK[134]                      |          |         |         |
|        |                    | 5566 VSGALIRPLPSQQMFDHVR                     |          |         |         |
|        |                    | 5567 KLEPIWNEVGLEMK                          |          |         |         |
|        |                    | 5568 TK[134]DDIIEFAHR[162]                   |          |         |         |
|        |                    | 5569 K[134]LEPIWNEVGLEMK[134]                |          |         |         |
|        |                    | 5570 VSGALIR[162]PLPSQQMFDHVR[162]           |          |         |         |
|        |                    | 5571 LLKGDLAYNYR                             |          |         |         |
|        |                    | 5572 GDLAYNYR                                |          |         |         |
|        |                    | 5573 DFRDHFHR                                |          |         |         |
| Q99M31 | Q99M31 HSP7E_MOUSE | Heat shock 70 kDa protein 14 - Mus musculus  | 0.00760  | 0.98592 | 7.4656  |
|        |                    | 5574 SALGEAAGAAGFNVLR                        |          |         |         |
|        |                    | 5575 SALGEAAGAAGFNVLR[162]                   |          |         |         |

|        |                    |                                               |                                              |         |         |        |
|--------|--------------------|-----------------------------------------------|----------------------------------------------|---------|---------|--------|
| Q9EP69 | Q9EP69 SAC1_MOUSE  | 5576 LIHEPSAALLAYGIGQDHPTGK                   | Phosphatidylinositide phosphatase SAC1 - Mu: | 0.51945 | 0.22771 | 16.184 |
|        |                    | 5577 HFDSQVIIYGK                              |                                              |         |         |        |
|        |                    | 5578 LSNTSPEFQEMSLER[162]                     |                                              |         |         |        |
|        |                    | 5579 LGVLHVGQKLEEQDEFEK                       |                                              |         |         |        |
|        |                    | 5580 LSNTSPEFQEMSLER                          |                                              |         |         |        |
|        |                    | 5581 VVTNQDGVFR                               |                                              |         |         |        |
|        |                    | 5582 TNVIQSLLAR                               |                                              |         |         |        |
|        |                    | 5583 TNVIQSLLAR[162]                          |                                              |         |         |        |
|        |                    | 5584 VVTNQDGVFR[162]                          |                                              |         |         |        |
|        |                    | 5585 QVIINLVNHNK                              |                                              |         |         |        |
|        |                    | 5586 ATDFDVLSYKK                              |                                              |         |         |        |
|        |                    | 5587 FVWNGHLLR[162]                           |                                              |         |         |        |
| P27773 | P27773 PDIA3_MOUSE | Protein disulfide-isomerase A3 precursor - Mu | -0.15035                                     | 0.70475 | 53.4653 |        |
|        |                    | 5588 YGVSGYPTLK                               |                                              |         |         |        |
|        |                    | 5589 ALEQFLQEYFDGNLKR                         |                                              |         |         |        |
|        |                    | 5590 ALEQFLQEYFDGNLK[134]                     |                                              |         |         |        |
|        |                    | 5591 ALEQFLQEYFDGNLK[134]R[162]               |                                              |         |         |        |
|        |                    | 5592 DLFSDGHSEFLK[134]                        |                                              |         |         |        |
|        |                    | 5593 DLLTAYYDVDYEK                            |                                              |         |         |        |
|        |                    | 5594 DLLTAYYDVDYEK[134]                       |                                              |         |         |        |
|        |                    | 5595 ELNDFISYLQR[162]                         |                                              |         |         |        |
|        |                    | 5596 FAHTNIESLVK                              |                                              |         |         |        |
|        |                    | 5597 FAHTNIESLVK[134]                         |                                              |         |         |        |
|        |                    | 5598 FISDKDASVVGFFR                           |                                              |         |         |        |
|        |                    | 5599 FISDK[134]DASVVGFFR[162]                 |                                              |         |         |        |
|        |                    | 5600 GFPTIYFSPANK[134]                        |                                              |         |         |        |
|        |                    | 5601 IFRDGEEAGAYDGPR                          |                                              |         |         |        |
|        |                    | 5602 IFR[162]DGEEAGAYDGPR[162]                |                                              |         |         |        |
|        |                    | 5603 MDATANDVPSPYEVK[134]                     |                                              |         |         |        |
|        |                    | 5604 RLAPEYEEAATR                             |                                              |         |         |        |

5605 YLKSEPIPESNEGPVK  
5606 KTFSELSDFGLESTTGEVPVVAIR  
5607 LSK[134]DPNIVIAK[134]  
5608 TFSHELSDFGLESTTGEVPVVAIR  
5609 FLDAGHK[134]LNFAVASR[162]  
5610 FLDAGHKLNFAVASR  
5611 LK[134]GIVPLAK[134]  
5612 TFSHELSDFGLESTTGEVPVVAIR[162]  
5613 KFLDAGHKLNFAVASR  
5614 TADGIVSHLK[134]K[134]  
5615 ELNDFISYLQR  
5616 TADGIVSHLK  
5617 GFPTIYFSPANK[134]K[134]  
5618 FVMQEEFSR[162]  
5619 FVMQEEFSR  
5620 YGVSGYPTLK[134]  
5621 YLK[134]SEPIPESNEGPVK[134]  
5622 GFPTIYFSPANK  
5623 MDATANDVPSPYEVK  
5624 GFPTIYFSPANKK  
5625 DLFSDBGHSEFLK  
5626 TADGIVSHLKK  
5627 DGEEAGAYDGPR  
5628 QAGPASVPLRTEEEFKK  
5629 LAPEYAAAATR  
5630 EATNPPIIQEEK[134]PK[134]  
5631 TADGIVSHLK[134]  
5632 DASVVGFFR[162]  
5633 EATNPPIIQEEKPK  
5634 LAPEYAAAATR[162]  
5635 SEPIPESNEGPVK[134]

|        |                    |                                               |          |         |         |
|--------|--------------------|-----------------------------------------------|----------|---------|---------|
|        |                    | 5636 SEPIPESNEGPVK                            |          |         |         |
|        |                    | 5637 LKGIVPLAK                                |          |         |         |
|        |                    | 5638 LNFAVASR                                 |          |         |         |
|        |                    | 5639 LSKDPNIVIAK                              |          |         |         |
| O08749 | O08749 DLDH_MOUSE  | Dihydrolipoyl dehydrogenase, mitochondrial p  | -0.18657 | 0.63821 | 10.8055 |
|        |                    | 5640 EANLAAAFGK[134]PINF                      |          |         |         |
|        |                    | 5641 IPNIYAIGDVVAGPMLAHK[134]                 |          |         |         |
|        |                    | 5642 IGK[134]FPFAANSR[162]                    |          |         |         |
|        |                    | 5643 IGKFPFAANSR                              |          |         |         |
|        |                    | 5644 EANLAAAFGKPINF                           |          |         |         |
|        |                    | 5645 ALTGGIAHLFK                              |          |         |         |
|        |                    | 5646 ALTGGIAHLFK[134]                         |          |         |         |
| O35465 | O35465 FKBP8_MOUSE | FK506-binding protein 8 - Mus musculus        | 0.44648  | 0.29982 | 11.6915 |
|        |                    | 5647 ADFVLAANSYDLAIK                          |          |         |         |
|        |                    | 5648 VLAQQGEYSEAIPIR                          |          |         |         |
|        |                    | 5649 TAEDGPDLEMLSGQER                         |          |         |         |
|        |                    | 5650 VLAQQGEYSEAIPIR[162]                     |          |         |         |
|        |                    | 5651 ADFVLAANSYDLAIK[134]                     |          |         |         |
| O54782 | O54782 MA2B2_MOUSE | Epididymis-specific alpha-mannosidase precur  | 1.08053  | 0.01210 | 7.0727  |
|        |                    | 5652 QASALLYAGESMFTR                          |          |         |         |
|        |                    | 5653 WAVSEVQHHDITGTESPK                       |          |         |         |
|        |                    | 5654 AYAANVYTTVVAELVR                         |          |         |         |
|        |                    | 5655 LWWDGVASEQQK                             |          |         |         |
|        |                    | 5656 FIAVEQEFFR                               |          |         |         |
| O89053 | O89053 COR1A_MOUSE | Coronin-1A - Mus musculus                     | 0.56014  | 0.19335 | 29.0672 |
|        |                    | 5657 KSDLFQEDLYPPTAGPDPALTAEEWLGGGR           |          |         |         |
|        |                    | 5658 DRPHEGTRPVHAVFVSEGK                      |          |         |         |
|        |                    | 5659 K[134]SDLFQEDLYPPTAGPDPALTAEEWLGGGR[162] |          |         |         |
|        |                    | 5660 LDRLEETVQAK                              |          |         |         |
|        |                    | 5661 LEEDVRNLNAIVQK                           |          |         |         |
|        |                    | 5662 LDR[162]LEETVQAK[134]                    |          |         |         |

|        |                    |      |                                               |         |         |         |
|--------|--------------------|------|-----------------------------------------------|---------|---------|---------|
|        |                    | 5663 | DAGPLLISLK[134]                               |         |         |         |
|        |                    | 5664 | DAGPLLISLKDGYVPPK                             |         |         |         |
|        |                    | 5665 | DAGPLLISLK                                    |         |         |         |
|        |                    | 5666 | HVFGQPAK                                      |         |         |         |
|        |                    | 5667 | ATPEPSGTPSSDTVSR                              |         |         |         |
|        |                    | 5668 | LQERLDRLEETVQAK                               |         |         |         |
|        |                    | 5669 | NLNAIVQK                                      |         |         |         |
|        |                    | 5670 | NLNAIVQK[134]                                 |         |         |         |
|        |                    | 5671 | DGYVPPK                                       |         |         |         |
|        |                    | 5672 | ATPEPSGTPSSDTVSRLEEDVR                        |         |         |         |
|        |                    | 5673 | ILTTGFSR                                      |         |         |         |
|        |                    | 5674 | QVALWDTK[134]                                 |         |         |         |
| P09103 | P09103 PDIA1_MOUSE |      | Protein disulfide-isomerase precursor - Mus m | 0.06007 | 0.88907 | 38.3104 |
|        |                    | 5675 | ILFIFIDSDHTDNQR[162]                          |         |         |         |
|        |                    | 5676 | LITLEEEMTK                                    |         |         |         |
|        |                    | 5677 | MDSTANEVEAVK[134]                             |         |         |         |
|        |                    | 5678 | THILLFLPK                                     |         |         |         |
|        |                    | 5679 | VDATEESDLAQQYGVR                              |         |         |         |
|        |                    | 5680 | VDATEESDLAQQYGVR[162]                         |         |         |         |
|        |                    | 5681 | VLVGANFEEVAFDEK                               |         |         |         |
|        |                    | 5682 | VLVGANFEEVAFDEK[134]                          |         |         |         |
|        |                    | 5683 | YQLDKDGVVLFK                                  |         |         |         |
|        |                    | 5684 | YQLDK[134]DGVVLFK[134]                        |         |         |         |
|        |                    | 5685 | HNQLPLVIEFTEQTAPK                             |         |         |         |
|        |                    | 5686 | LGETYKDHENIIIAK                               |         |         |         |
|        |                    | 5687 | SNFEEALAAHK                                   |         |         |         |
|        |                    | 5688 | IKPHLMSQEVPEWDKQPVK                           |         |         |         |
|        |                    | 5689 | MDSTANEVEAVKVHSFPTLK                          |         |         |         |
|        |                    | 5690 | LGETYK[134]DHENIIIAK[134]                     |         |         |         |
|        |                    | 5691 | ILFIFIDSDHTDNQR                               |         |         |         |
|        |                    | 5692 | HNQLPLVIEFTEQTAPK[134]                        |         |         |         |



|        |                   |                                              |          |         |         |
|--------|-------------------|----------------------------------------------|----------|---------|---------|
|        |                   | 5693 THILLFLPK[134]                          |          |         |         |
|        |                   | 5694 LKAEGSEIR                               |          |         |         |
|        |                   | 5695 LITLEEEMTK[134]                         |          |         |         |
|        |                   | 5696 EADDIVNWLK[134]                         |          |         |         |
|        |                   | 5697 EADDIVNWLK                              |          |         |         |
|        |                   | 5698 YQLDKDGVVLFKK                           |          |         |         |
|        |                   | 5699 LLDFIK[134]                             |          |         |         |
|        |                   | 5700 ILEFFGLK[134]                           |          |         |         |
|        |                   | 5701 LLDFIK                                  |          |         |         |
|        |                   | 5702 VLVGANFEEVAFDEKK                        |          |         |         |
| P19973 | P19973 LSP1_MOUSE | Lymphocyte-specific protein 1 - Mus musculus | 0.08053  | 0.85165 | 18.7879 |
|        |                   | 5703 LQQYTQATESSGR[162]                      |          |         |         |
|        |                   | 5704 TLWETGEVQSQSASK                         |          |         |         |
|        |                   | 5705 TLWETGEVQSQSASK[134]                    |          |         |         |
|        |                   | 5706 SSELDEDEGFGDWSQKPEPR                    |          |         |         |
|        |                   | 5707 KSQPTLPISTIDER                          |          |         |         |
|        |                   | 5708 SQPTLPISTIDER                           |          |         |         |
|        |                   | 5709 SQPTLPISTIDER[162]                      |          |         |         |
| P20152 | P20152 VIME_MOUSE | Vimentin - Mus musculus                      | -1.93582 | 0.00000 | 30.0429 |
|        |                   | 5710 VEVER[162]DNLAEDIMR[162]                |          |         |         |
|        |                   | 5711 KVESLQEEIAFLKK                          |          |         |         |
|        |                   | 5712 TYSLGSALR[162]PSTSR[162]                |          |         |         |
|        |                   | 5713 DGQVINETSQHDDLE                         |          |         |         |
|        |                   | 5714 ETNLESLPLVDTHSK[134]                    |          |         |         |
|        |                   | 5715 SLYSSSPGGAYVTR[162]                     |          |         |         |
|        |                   | 5716 SLYSSSPGGAYVTR                          |          |         |         |
|        |                   | 5717 ISLPLPTFSSLNLR[162]                     |          |         |         |
|        |                   | 5718 ISLPLPTFSSLNLR                          |          |         |         |
|        |                   | 5719 TYSLGSALRPSTSR                          |          |         |         |
|        |                   | 5720 FADLSEAAANR[162]NNDALR[162]             |          |         |         |
|        |                   | 5721 ILLAELEQLK[134]GQGK[134]                |          |         |         |

|        |                    |                                                |          |         |         |
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|        |                    | 5722 FANYIDK[134]VR[162]                       |          |         |         |
|        |                    | 5723 ILLAELEQLKGQ GK                           |          |         |         |
|        |                    | 5724 FADLSEAANR[162]                           |          |         |         |
|        |                    | 5725 FADLSEAANR                                |          |         |         |
| P39688 | P39688 FYN_MOUSE   | Proto-oncogene tyrosine-protein kinase Fyn - I | 0.14995  | 0.72768 | 11.9181 |
|        |                    | 5726 FQILNSSEGDWWEAR                           |          |         |         |
|        |                    | 5727 AQFETLQQLVQHYSER[162]                     |          |         |         |
|        |                    | 5728 GSLLDFLKDGEGR                             |          |         |         |
|        |                    | 5729 AQFETLQQLVQHYSER                          |          |         |         |
|        |                    | 5730 FQILNSSEGDWWEAR[162]                      |          |         |         |
|        |                    | 5731 QLLSFGNPR                                 |          |         |         |
|        |                    | 5732 WTAPEAALYGR[162]                          |          |         |         |
|        |                    | 5733 GSLLDFLK[134]DGEGR[162]                   |          |         |         |
| P68369 | P68369 TBA1A_MOUSE | Tubulin alpha-1A chain - Mus musculus          | -0.10912 | 0.78330 | 27.7162 |
|        |                    | 5734 AVFVDLEPTVIDEVR                           |          |         |         |
|        |                    | 5735 AVFVDLEPTVIDEVR[162]                      |          |         |         |
|        |                    | 5736 IHFPLATYAPVISA EK                         |          |         |         |
|        |                    | 5737 IHFPLATYAPVISA EK[134]                    |          |         |         |
|        |                    | 5738 VGINYQPPTVVPGGDLAK                        |          |         |         |
|        |                    | 5739 VGINYQPPTVVPGGDLAK[134]                   |          |         |         |
|        |                    | 5740 DVNAAIATIK                                |          |         |         |
|        |                    | 5741 TIGGGDDSFNTFFSETGAGK                      |          |         |         |
|        |                    | 5742 TIGGGDDSFNTFFSETGAGK[134]                 |          |         |         |
|        |                    | 5743 QLFHPEQLITGKEDAANNYAR                     |          |         |         |
|        |                    | 5744 QLFHPEQLITGK[134]EDAANNYAR[162]           |          |         |         |
|        |                    | 5745 QLFHPEQLITGK[134]                         |          |         |         |
|        |                    | 5746 QLFHPEQLITGK                              |          |         |         |
|        |                    | 5747 NLDIER[162]PTYTNLNR[162]                  |          |         |         |
|        |                    | 5748 LDHK[134]FDLMYAK[134]                     |          |         |         |
|        |                    | 5749 DVNAAIATIK[134]                           |          |         |         |
|        |                    | 5750 NLDIERPTYTNLNR                            |          |         |         |

|        |                     |                                               |          |         |         |
|--------|---------------------|-----------------------------------------------|----------|---------|---------|
| P80313 | P80313 TCPH_MOUSE   | T-complex protein 1 subunit eta - Mus musculi | 0.19757  | 0.64638 | 8.4559  |
|        |                     | 5751 QVKPYVEEGLHPQIIIR                        |          |         |         |
|        |                     | 5752 QVK[134]PYVEEGLHPQIIIR[162]              |          |         |         |
|        |                     | 5753 LLDVVHPAAK                               |          |         |         |
|        |                     | 5754 ATISNDGATILK                             |          |         |         |
|        |                     | 5755 ALEIIPR                                  |          |         |         |
| P80315 | P80315 TCPD_MOUSE   | T-complex protein 1 subunit delta - Mus musci | 0.19757  | 0.64638 | 21.7069 |
|        |                     | 5756 ALIAGGGAPEIELALR                         |          |         |         |
|        |                     | 5757 DALSDLALHFLNK                            |          |         |         |
|        |                     | 5758 GIHPTIISESFQK                            |          |         |         |
|        |                     | 5759 MIQDGKGDVTITNDGATILK                     |          |         |         |
|        |                     | 5760 VIDPATATSVDLR                            |          |         |         |
|        |                     | 5761 ALIAGGGAPEIELALR[162]                    |          |         |         |
|        |                     | 5762 SILKIDDVVNTR                             |          |         |         |
|        |                     | 5763 GIHPTIISESFQK[134]                       |          |         |         |
|        |                     | 5764 VIDPATATSVDLR[162]                       |          |         |         |
|        |                     | 5765 ETLNLSATTSLNSK                           |          |         |         |
|        |                     | 5766 LVIEEAER                                 |          |         |         |
|        |                     | 5767 LVIEEAER[162]                            |          |         |         |
|        |                     | 5768 AYILNLVK[134]                            |          |         |         |
| Q6NSS8 | Q6NSS8 Q6NSS8_MOUSE | Mpp6 protein (Fragment) - Mus musculus        | -0.23633 | 0.55145 | 5.5375  |
|        |                     | 5769 ILPSYRDTITPQQVFVK                        |          |         |         |
|        |                     | 5770 DTITPQQVFVK                              |          |         |         |
|        |                     | 5771 ILPSYR[162]DTITPQQVFVK[134]              |          |         |         |
|        |                     | 5772 DTITPQQVFVK[134]                         |          |         |         |
| Q7TQ95 | Q7TQ95 LNP_MOUSE    | Protein lunapark - Mus musculus               | 0.21619  | 0.61565 | 11.7647 |
|        |                     | 5773 EFEPSPSAGAAVTAK[134]PGQEIR[162]          |          |         |         |
|        |                     | 5774 EFEPSPSAGAAVTAKPGQEIR                    |          |         |         |
|        |                     | 5775 IVEYLVGDGPQNR                            |          |         |         |
|        |                     | 5776 ADSVPNLEPSEESLVTK                        |          |         |         |
|        |                     | 5777 ADSVPNLEPSEESLVTK[134]                   |          |         |         |

|        |                    |                                               |          |         |         |
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| Q9WV34 | Q9WV34 MPP2_MOUSE  | MAGUK p55 subfamily member 2 - Mus musc       | -0.11502 | 0.77191 | 2.3551  |
|        |                    | 5778 TLVLIGAQGVGR[162]                        |          |         |         |
|        |                    | 5779 K[134]TLVLIGAQGVGR[162]                  |          |         |         |
|        |                    | 5780 KTLVLIGAQGVGR                            |          |         |         |
|        |                    | 5781 TLVLIGAQGVGR                             |          |         |         |
| Q6DFX2 | Q6DFX2 ANTR2_MOUSE | Anthrax toxin receptor 2 precursor - Mus musc | 0.65759  | 0.12675 | 5.7495  |
|        |                    | 5782 AVKPVGETYIHEGLK                          |          |         |         |
|        |                    | 5783 LANEQIQNAGGLK                            |          |         |         |
| Q91YW3 | Q91YW3 DNJC3_MOUSE | DnaJ homolog subfamily C member 3 - Mus m     | 3.83241  | 0.00000 | 20.0397 |
|        |                    | 5784 LIESAEELIR                               |          |         |         |
|        |                    | 5785 TEPsVAEYTVR                              |          |         |         |
|        |                    | 5786 KKFDDGEDPLDAESQQGGGGNPFHR                |          |         |         |
|        |                    | 5787 SNPSEQEEKEAESQLVK                        |          |         |         |
|        |                    | 5788 YTDATSKYESVMK                            |          |         |         |
|        |                    | 5789 ATVFLAMGK                                |          |         |         |
|        |                    | 5790 FIDIAAAK                                 |          |         |         |
|        |                    | 5791 AALPDLTK                                 |          |         |         |
| Q9D659 | Q9D659 GI24_MOUSE  | Platelet receptor Gi24 precursor - Mus muscul | 0.47664  | 0.26836 | 3.5599  |
|        |                    | 5792 TR[162]PPLSYVAQR[162]                    |          |         |         |
|        |                    | 5793 TRPPLSYVAQR                              |          |         |         |
| P06745 | P06745 G6PI_MOUSE  | Glucose-6-phosphate isomerase - Mus muscul    | 0.04973  | 0.90807 | 7.5269  |
|        |                    | 5794 TLASLSPETSLFIIASK                        |          |         |         |
|        |                    | 5795 VWFVSNIDGTHIAK                           |          |         |         |
|        |                    | 5796 TLASLSPETSLFIIASK[134]                   |          |         |         |
|        |                    | 5797 HFVALSTNTAK                              |          |         |         |
| P25911 | P25911 LYN_MOUSE   | Tyrosine-protein kinase Lyn - Mus musculus    | 0.18763  | 0.66304 | 35.1563 |
|        |                    | 5798 TNADVMSALSQGYR                           |          |         |         |
|        |                    | 5799 TNADVMSALSQGYR[162]                      |          |         |         |
|        |                    | 5800 VIEDNEYTAR                               |          |         |         |
|        |                    | 5801 VLEEHGEWWK                               |          |         |         |
|        |                    | 5802 LYAVVTKEEPIIITEFMAK                      |          |         |         |

|        |                    |                                                |          |         |         |
|--------|--------------------|------------------------------------------------|----------|---------|---------|
|        |                    | 5803 QQR[162]PVPEFHLLPGQR[162]                 |          |         |         |
|        |                    | 5804 QLLAPGNSAGAFLIR                           |          |         |         |
|        |                    | 5805 QLLAPGNSAGAFLIR[162]                      |          |         |         |
|        |                    | 5806 QQRPVPEFHLLPGQR                           |          |         |         |
|        |                    | 5807 EEPIYIITEFMAK                             |          |         |         |
|        |                    | 5808 VIEDNEYTAR[162]                           |          |         |         |
|        |                    | 5809 VNTLETEEWFFK[134]                         |          |         |         |
|        |                    | 5810 TLKPGTMSVQAFLEENLMK                       |          |         |         |
|        |                    | 5811 VNTLETEEWFFKDITR                          |          |         |         |
|        |                    | 5812 VNTLETEEWFFK                              |          |         |         |
|        |                    | 5813 DYDPMHGDVIK[134]                          |          |         |         |
|        |                    | 5814 EEPIYIITEFMAK[134]                        |          |         |         |
|        |                    | 5815 EGFIPSNYVAK                               |          |         |         |
|        |                    | 5816 GSLLDFLKSDEGGK                            |          |         |         |
|        |                    | 5817 VNTLETEEWFFK[134]DITR[162]                |          |         |         |
|        |                    | 5818 VLEEHGEWWK[134]                           |          |         |         |
|        |                    | 5819 EGFIPSNYVAK[134]                          |          |         |         |
|        |                    | 5820 DYDPMHGDVIK                               |          |         |         |
|        |                    | 5821 GSLLDFLK[134]SDEGGK[134]                  |          |         |         |
|        |                    | 5822 GSFSLSVR                                  |          |         |         |
|        |                    | 5823 GSFSLSVR[162]                             |          |         |         |
|        |                    | 5824 SDEGGKVLLPK                               |          |         |         |
|        |                    | 5825 TIYVRDPTSNK                               |          |         |         |
| P46467 | P46467 VPS4B_MOUSE | Vacuolar protein sorting-associated protein 4l | 0.32310  | 0.45307 | 14.4144 |
|        |                    | 5826 LHLGSTQNSLTEADFQELGR                      |          |         |         |
|        |                    | 5827 LHLGSTQNSLTEADFQELGR[162]                 |          |         |         |
|        |                    | 5828 LQNQLQGAIVIERPNVK                         |          |         |         |
|        |                    | 5829 SLSSTKPTVNEQDLLK                          |          |         |         |
|        |                    | 5830 WSDVAGLEGAK                               |          |         |         |
| P62814 | P62814 VATB2_MOUSE | Vacuolar ATP synthase subunit B, brain isoform | -2.00457 | 0.00000 | 35.4207 |
|        |                    | 5831 AVVQVFEGTSGIDAK                           |          |         |         |

|        |                    |      |                                      |          |         |         |
|--------|--------------------|------|--------------------------------------|----------|---------|---------|
|        |                    | 5832 | AVVQVFEGTSGIDAK[134]                 |          |         |         |
|        |                    | 5833 | GFPGYMYTDLATIER                      |          |         |         |
|        |                    | 5834 | GFPGYMYTDLATIER[162]                 |          |         |         |
|        |                    | 5835 | GIVNGAAPELPVPTGGPMAGAR[162]          |          |         |         |
|        |                    | 5836 | TVSGVNGPLVILDHVK                     |          |         |         |
|        |                    | 5837 | TVSGVNGPLVILDHVK[134]                |          |         |         |
|        |                    | 5838 | YAEIVHLTLPDGTK[134]                  |          |         |         |
|        |                    | 5839 | YAEIVHLTLPDGTK[134]R[162]            |          |         |         |
|        |                    | 5840 | IYPEEMIQTGISAIDGMNSIAR[162]          |          |         |         |
|        |                    | 5841 | R[162]IPQSTLSEFYPR[162]              |          |         |         |
|        |                    | 5842 | TVSGVNGPLVILDHVK[134]FPR[162]        |          |         |         |
|        |                    | 5843 | YAEIVHLTLPDGTKR                      |          |         |         |
|        |                    | 5844 | RIPQSTLSEFYPR                        |          |         |         |
|        |                    | 5845 | FEK[134]NFITQGPYENR[162]             |          |         |         |
|        |                    | 5846 | IPQSTLSEFYPR                         |          |         |         |
|        |                    | 5847 | IPQSTLSEFYPR[162]                    |          |         |         |
|        |                    | 5848 | QIYPPINVLPSLSR[162]                  |          |         |         |
|        |                    | 5849 | SGQVLEVSGSK[134]                     |          |         |         |
|        |                    | 5850 | TPVSEDMLGR[162]                      |          |         |         |
|        |                    | 5851 | QIYPPINVLPSLSR                       |          |         |         |
|        |                    | 5852 | TPVSEDMLGR                           |          |         |         |
|        |                    | 5853 | SGQVLEVSGSK                          |          |         |         |
|        |                    | 5854 | SAIGEGMTR[162]                       |          |         |         |
|        |                    | 5855 | NFITQGPYENR                          |          |         |         |
|        |                    | 5856 | AVVQVFEGTSGIDAK[134]K[134]           |          |         |         |
|        |                    | 5857 | NFITQGPYENR[162]                     |          |         |         |
| P68372 | P68372 TBB2C_MOUSE |      | Tubulin beta-2C chain - Mus musculus | -0.06223 | 0.87538 | 14.1573 |
|        |                    | 5858 | ALTVPELTQQMFDAK                      |          |         |         |
|        |                    | 5859 | ALTVPELTQQMFDAK[134]                 |          |         |         |
|        |                    | 5860 | IMNTFSVVPSPK[134]                    |          |         |         |
|        |                    | 5861 | INVYYNEATGGK                         |          |         |         |

|        |                    |                                             |          |         |         |
|--------|--------------------|---------------------------------------------|----------|---------|---------|
|        |                    | 5862 AVLVDLEPGTMDSVR[162]                   |          |         |         |
|        |                    | 5863 INVYYNEATGGK[134]                      |          |         |         |
|        |                    | 5864 IMNTFSVVPSPK                           |          |         |         |
|        |                    | 5865 AVLVDLEPGTMDSVR                        |          |         |         |
|        |                    | 5866 YLTVAAVFR                              |          |         |         |
|        |                    | 5867 YLTVAAVFR[162]                         |          |         |         |
| P70290 | P70290 EM55_MOUSE  | 55 kDa erythrocyte membrane protein - Mus r | -1.11502 | 0.00495 | 10.0858 |
|        |                    | 5868 IAILDIEPQTLK[134]                      |          |         |         |
|        |                    | 5869 ESAGLIPSELQEW[162]                     |          |         |         |
|        |                    | 5870 IAILDIEPQTLK                           |          |         |         |
|        |                    | 5871 ITEEPMGITLK[134]                       |          |         |         |
|        |                    | 5872 LPALQMFMR[162]                         |          |         |         |
| P81117 | P81117 NUCB2_MOUSE | Nucleobindin-2 precursor - Mus musculus     | -0.51318 | 0.19590 | 38.0952 |
|        |                    | 5873 AATADLEQYDR                            |          |         |         |
|        |                    | 5874 AATADLEQYDR[162]                       |          |         |         |
|        |                    | 5875 LSQELDLVSHK[134]                       |          |         |         |
|        |                    | 5876 LSQELDLVSHK                            |          |         |         |
|        |                    | 5877 KLQQGIAPSGPAGELKFEPHT                  |          |         |         |
|        |                    | 5878 QFEHLNHQNPNTFESR[162]                  |          |         |         |
|        |                    | 5879 LVTLEEFLLR                             |          |         |         |
|        |                    | 5880 LVTLEEFLLR[162]                        |          |         |         |
|        |                    | 5881 IEPPDTGLYYDEYLLK[134]                  |          |         |         |
|        |                    | 5882 IEPPDTGLYYDEYLLK                       |          |         |         |
|        |                    | 5883 QFEHLNHQNPNTFESR                       |          |         |         |
|        |                    | 5884 LQQGIAPSGPAGELK[134]FEPHT              |          |         |         |
|        |                    | 5885 K[134]LQQGIAPSGPAGELK[134]FEPHT        |          |         |         |
|        |                    | 5886 QVIEVLETDPHFR[162]                     |          |         |         |
|        |                    | 5887 MREHVMSEIDNNKDR                        |          |         |         |
|        |                    | 5888 LQKADIEEIR                             |          |         |         |
|        |                    | 5889 LQQGIAPSGPAGELKFEPHT                   |          |         |         |
|        |                    | 5890 QVIEVLETDPHFREK                        |          |         |         |

|        |                    |                                                |          |         |         |
|--------|--------------------|------------------------------------------------|----------|---------|---------|
|        |                    | 5891 DQLKEVWEETDGLDPNDFDPK                     |          |         |         |
|        |                    | 5892 QVIEVLETDPHFR                             |          |         |         |
|        |                    | 5893 KLQQGIAPSGPAGELK                          |          |         |         |
|        |                    | 5894 LDALQDTGMNHHLLK                           |          |         |         |
| P97384 | P97384 ANX11_MOUSE | Annexin A11 - Mus musculus                     | 0.04064  | 0.92481 | 20.6759 |
|        |                    | 5895 AHLVAVFNEYQR                              |          |         |         |
|        |                    | 5896 DVQELYAAGENR[162]                         |          |         |         |
|        |                    | 5897 TPVLFDVYEIK                               |          |         |         |
|        |                    | 5898 GTITAASGFDPLR[162]DAEVLRL[162]            |          |         |         |
|        |                    | 5899 SLYHDITGDTSGDYRK                          |          |         |         |
|        |                    | 5900 SLYHDITGDTSGDYR[162]K[134]                |          |         |         |
|        |                    | 5901 AHLVAVFNEYQR[162]                         |          |         |         |
|        |                    | 5902 DVQELYAAGENR                              |          |         |         |
|        |                    | 5903 EMSGDLEQGMLAVVK                           |          |         |         |
|        |                    | 5904 TPVLFDVYEIK[134]                          |          |         |         |
|        |                    | 5905 GTITAASGFDPLRDAEVLRLK                     |          |         |         |
|        |                    | 5906 SELSGNFEK                                 |          |         |         |
|        |                    | 5907 GTITAASGFDPLRDAEVLRL                      |          |         |         |
|        |                    | 5908 GTITAASGFDPLR[162]DAEVLRL[162]K[134]      |          |         |         |
|        |                    | 5909 NTPAFFAER                                 |          |         |         |
| P99024 | P99024 TBB5_MOUSE  | Tubulin beta-5 chain - Mus musculus            | -0.08062 | 0.83899 | 6.982   |
|        |                    | 5910 ALTVPELTQQVFDAK                           |          |         |         |
|        |                    | 5911 ALTVPELTQQVFDAK[134]                      |          |         |         |
|        |                    | 5912 ISVYYNEATGGK                              |          |         |         |
|        |                    | 5913 ISVYYNEATGGK[134]                         |          |         |         |
|        |                    | 5914 ISVYYNEATGGKYVPR                          |          |         |         |
|        |                    | 5915 ISVYYNEATGGK[134]YVPR[162]                |          |         |         |
| Q2TBE6 | Q2TBE6 P4K2A_MOUSE | Phosphatidylinositol 4-kinase type 2-alpha - M | -0.67819 | 0.08742 | 61.5866 |
|        |                    | 5916 SPLHLVQMPPVIVETAR                         |          |         |         |
|        |                    | 5917 VPFSQEIKDLILPK                            |          |         |         |
|        |                    | 5918 LVVLDYIIR                                 |          |         |         |



5919 IYQGSSGSYFVK  
5920 LVVLDYIIR[162]  
5921 LELNIVPR  
5922 VPFSQEIK[134]DLILPK[134]  
5923 GQILNLTQALKDNK  
5924 SASESYTQSFQSR[162]  
5925 VVYLASETFNYSIDR  
5926 SPLHLVQMPPVIVETAR[162]  
5927 VAAIDNGLAFPLKHPDSWR  
5928 GAAAQGQTHTVAVQAQALAAQAAVAHAHVQTHR  
5929 AQPPEYTFPSGSGAHFPQVPGGAVR[162]  
5930 ERNDFPEDPEFEVVVR  
5931 VAAIDNGLAFPLK[134]HPDSWR[162]  
5932 LALEK[134]VPK[134]  
5933 SASESYTQSFQSR  
5934 VAAIDNGLAFPLK  
5935 VAAIDNGLAFPLK[134]  
5936 FEAELPENTNR[162]  
5937 NDFPEDPEFEVVVR  
5938 R[162]FEAELPENTNR[162]  
5939 VGSFQLFVEGYK  
5940 DNKSPLHLVQMPPVIVETAR  
5941 FEAELPENTNR  
5942 GQILNLTQALK[134]  
5943 RFEAELPENTNR  
5944 GQILNLTQALK  
5945 K[134]PFFSWW  
5946 NDFPEDPEFEVVVR[162]  
5947 IYQGSSGSYFVKDSQGR  
5948 GQILNLTQALK[134]DNK[134]  
5949 DTDWVMVR[162]

|        |                    |                                               |          |         |         |
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|        |                    | 5950 VPFSQEIK                                 |          |         |         |
|        |                    | 5951 LELNIVPR[162]                            |          |         |         |
|        |                    | 5952 KPFFSWW                                  |          |         |         |
|        |                    | 5953 VPFSQEIK[134]                            |          |         |         |
|        |                    | 5954 IVAVFKPK                                 |          |         |         |
|        |                    | 5955 NTDR[162]GNDNWLIK[134]                   |          |         |         |
|        |                    | 5956 IYQGSSGSYFVK[134]DSQGR[162]              |          |         |         |
|        |                    | 5957 QLLQFER                                  |          |         |         |
|        |                    | 5958 QLLQFER[162]                             |          |         |         |
|        |                    | 5959 NTDRGNDNWLIK                             |          |         |         |
|        |                    | 5960 DTDWVMVR                                 |          |         |         |
|        |                    | 5961 IVAVFK[134]PK[134]                       |          |         |         |
|        |                    | 5962 DTDWVMVREPIK                             |          |         |         |
|        |                    | 5963 VVYLASETFNYSIDR[162]                     |          |         |         |
|        |                    | 5964 IYQGSSGSYFVK[134]                        |          |         |         |
|        |                    | 5965 AQPPEYTFPSGSGAHFPQVPGGAVR                |          |         |         |
|        |                    | 5966 AYPFYWAWLPQAK                            |          |         |         |
|        |                    | 5967 AYPFYWAWLPQAK[134]                       |          |         |         |
| Q3UNDO | Q3UNDO SKAP2_MOUSE | Src kinase-associated phosphoprotein 2 - Mus  | -0.24904 | 0.53025 | 11.4525 |
|        |                    | 5968 GEFAIDGYDVR[162]                         |          |         |         |
|        |                    | 5969 GEFAIDGYDVR                              |          |         |         |
|        |                    | 5970 IYQFTAASPK[134]                          |          |         |         |
|        |                    | 5971 DAEWVQQLK[134]                           |          |         |         |
|        |                    | 5972 RGDVIYILSK                               |          |         |         |
| Q61029 | Q61029 LAP2B_MOUSE | Lamina-associated polypeptide 2 isoforms bet  | 0.63814  | 0.13837 | 7.3009  |
|        |                    | 5973 HASSILPITEFSDITR                         |          |         |         |
|        |                    | 5974 IDGAVISESTPIAETIK                        |          |         |         |
|        |                    | 5975 IDGAVISESTPIAETIK[134]                   |          |         |         |
| Q61033 | Q61033 LAP2A_MOUSE | Lamina-associated polypeptide 2 isoforms alpt | 0.87915  | 0.04120 | 4.1847  |
|        |                    | 5976 YGVNPGPIVGTTR[162]                       |          |         |         |
|        |                    | 5977 YGVNPGPIVGTTR                            |          |         |         |

|        |                    |                                             |          |         |         |
|--------|--------------------|---------------------------------------------|----------|---------|---------|
|        |                    | 5978 SSTPLPTVSSSAENTR                       |          |         |         |
| Q6SJQ7 | Q6SJQ7 CLM1_MOUSE  | CMRF35-like molecule 1 precursor - Mus musc | 0.74934  | 0.08184 | 8.0119  |
|        |                    | 5979 TGLEEEETTEYSSIR                        |          |         |         |
|        |                    | 5980 TGLEEEETTEYSSIR[162]                   |          |         |         |
|        |                    | 5981 TLVETDASEQLVK[134]                     |          |         |         |
|        |                    | 5982 TLVETDASEQLVK                          |          |         |         |
| Q7TMM9 | Q7TMM9 TBB2A_MOUSE | Tubulin beta-2A chain - Mus musculus        | -0.23416 | 0.55510 | 35.5056 |
|        |                    | 5983 NSSYFVEWIPNNVK                         |          |         |         |
|        |                    | 5984 GHYTEGAELVDSVLDVVRK                    |          |         |         |
|        |                    | 5985 GHYTEGAELVDSVLDVVR[162]K[134]          |          |         |         |
|        |                    | 5986 SGPFQIFRPDNFVFGQSGAGNNWAK              |          |         |         |
|        |                    | 5987 GHYTEGAELVDSVLDVVR                     |          |         |         |
|        |                    | 5988 LAVNMVPFPR                             |          |         |         |
|        |                    | 5989 LAVNMVPFPR[162]                        |          |         |         |
|        |                    | 5990 LHFFMPGFAPLTSR                         |          |         |         |
|        |                    | 5991 NSSYFVEWIPNNVK[134]                    |          |         |         |
|        |                    | 5992 AILVDLEPGTMDSVR[162]                   |          |         |         |
|        |                    | 5993 AILVDLEPGTMDSVR                        |          |         |         |
|        |                    | 5994 EVDEQMLNVQNK[134]                      |          |         |         |
|        |                    | 5995 LHFFMPGFAPLTSR[162]                    |          |         |         |
|        |                    | 5996 EVDEQMLNVQNK                           |          |         |         |
|        |                    | 5997 FPGQLNADLR                             |          |         |         |
|        |                    | 5998 FPGQLNADLR[162]                        |          |         |         |
|        |                    | 5999 ALTVPELTQQMFDSK                        |          |         |         |
|        |                    | 6000 ALTVPELTQQMFDSK[134]                   |          |         |         |
|        |                    | 6001 FPGQLNADLRK                            |          |         |         |
|        |                    | 6002 MSMKEVDEQMLNVQNK                       |          |         |         |
|        |                    | 6003 ISEQFTAMFR                             |          |         |         |
|        |                    | 6004 IR[162]EEYPDR[162]                     |          |         |         |
|        |                    | 6005 IREEYPDR                               |          |         |         |
| Q80VQ0 | Q80VQ0 AL3B1_MOUSE | Aldehyde dehydrogenase 3B1 - Mus musculus   | -1.10757 | 0.00525 | 22.6496 |

|        |                    |                                                |          |         |        |
|--------|--------------------|------------------------------------------------|----------|---------|--------|
|        |                    | 6006 FYGDNPQTSPNLGR[162]                       |          |         |        |
|        |                    | 6007 FYGDNPQTSPNLGR                            |          |         |        |
|        |                    | 6008 AAQLQGLSHFLR[162]                         |          |         |        |
|        |                    | 6009 NLATQLDSAFIR[162]                         |          |         |        |
|        |                    | 6010 LVPALQNAITR                               |          |         |        |
|        |                    | 6011 ILAEVLPR[162]                             |          |         |        |
|        |                    | 6012 FSFDTFSNQR[162]                           |          |         |        |
|        |                    | 6013 LVPALQNAITR[162]                          |          |         |        |
|        |                    | 6014 FSFDTFSNQR                                |          |         |        |
|        |                    | 6015 NLATQLDSAFIR                              |          |         |        |
|        |                    | 6016 DNKQQQLQEALAQDLHK                         |          |         |        |
|        |                    | 6017 DNK[134]QQQLQEALAQDLHK[134]               |          |         |        |
|        |                    | 6018 AAQLQGLSHFLR                              |          |         |        |
|        |                    | 6019 ILAEVLPR                                  |          |         |        |
|        |                    | 6020 QQQLQEALAQDLHK[134]                       |          |         |        |
|        |                    | 6021 HLTPITLELGGK                              |          |         |        |
|        |                    | 6022 EKPLALYAFSK                               |          |         |        |
|        |                    | 6023 HLTPITLELGGK[134]                         |          |         |        |
| Q8BG60 | Q8BG60 TXNIP_MOUSE | Thioredoxin-interacting protein - Mus musculu  | -0.35497 | 0.37100 | 6.801  |
|        |                    | 6024 VILDPLVIGSR                               |          |         |        |
|        |                    | 6025 VILDPLVIGSR[162]                          |          |         |        |
|        |                    | 6026 FGFELPQGPLGTSFK                           |          |         |        |
| Q8C522 | Q8C522 ENDD1_MOUSE | Endonuclease domain-containing 1 protein pre   | -0.34130 | 0.38971 | 6.1876 |
|        |                    | 6027 ILEVVNQVQDEER                             |          |         |        |
|        |                    | 6028 ILEVVNQVQDEER[162]                        |          |         |        |
|        |                    | 6029 FATLYSPGHR                                |          |         |        |
|        |                    | 6030 FATLYSPGHR[162]                           |          |         |        |
|        |                    | 6031 IPVFSAFR                                  |          |         |        |
|        |                    | 6032 IPVFSAFR[162]                             |          |         |        |
| Q8CBQ5 | Q8CBQ5 P4K2B_MOUSE | Phosphatidylinositol 4-kinase type 2-beta - Mu | 0.16916  | 0.69446 | 6.823  |
|        |                    | 6033 GQILNLTQALR                               |          |         |        |

|        |                    |                                              |          |         |         |
|--------|--------------------|----------------------------------------------|----------|---------|---------|
|        |                    | 6034 LVILDYIIR[162]                          |          |         |         |
|        |                    | 6035 ISQGSSGSYFVK[134]                       |          |         |         |
|        |                    | 6036 LVILDYIIR                               |          |         |         |
|        |                    | 6037 GQILNLTQALR[162]                        |          |         |         |
| Q8CFD4 | Q8CFD4 SNX8_MOUSE  | Sorting nexin-8 - Mus musculus               | -0.27876 | 0.48234 | 22.2222 |
|        |                    | 6038 AIDNAADLLIFGK[134]                      |          |         |         |
|        |                    | 6039 AIDNAADLLIFGK                           |          |         |         |
|        |                    | 6040 DTVQVELIPEKK                            |          |         |         |
|        |                    | 6041 EPESVEQLESR[162]                        |          |         |         |
|        |                    | 6042 TSQVTEWR                                |          |         |         |
|        |                    | 6043 IVEQENVIQTMELR                          |          |         |         |
|        |                    | 6044 HPPFSEDVLLK                             |          |         |         |
|        |                    | 6045 HPPFSEDVLLK[134]                        |          |         |         |
|        |                    | 6046 NVYNSFYK[134]                           |          |         |         |
|        |                    | 6047 HVEYEVSSQR                              |          |         |         |
|        |                    | 6048 IVEQENVIQTMELR[162]                     |          |         |         |
|        |                    | 6049 HVEYEVSSQR[162]                         |          |         |         |
|        |                    | 6050 VWNDLK[134]PK[134]                      |          |         |         |
|        |                    | 6051 FINLVAR                                 |          |         |         |
| Q8R0X7 | Q8R0X7 SGPL1_MOUSE | Sphingosine-1-phosphate lyase 1 - Mus muscu  | -0.68574 | 0.08395 | 11.2676 |
|        |                    | 6052 TPEIVAPESAHAADF                         |          |         |         |
|        |                    | 6053 TPEIVAPESAHAADF[134]                    |          |         |         |
|        |                    | 6054 TLPAQGMGTAEVLER[162]                    |          |         |         |
|        |                    | 6055 TLPAQGMGTAEVLER                         |          |         |         |
|        |                    | 6056 LK[134]EYSSMDGSWQEGK[134]               |          |         |         |
|        |                    | 6057 TTGMGAIYGMAQATIDR[162]K[134]            |          |         |         |
| Q91YH5 | Q91YH5 ATLA3_MOUSE | Atlastin-3 - Mus musculus                    | 0.11069  | 0.79714 | 5.5453  |
|        |                    | 6058 SMLQATAEANNLAAAASAK                     |          |         |         |
|        |                    | 6059 SMLQATAEANNLAAAASAK[134]                |          |         |         |
|        |                    | 6060 IYQGEDLPHPK[134]                        |          |         |         |
| Q9CQF9 | Q9CQF9 PCYOX_MOUSE | Prenylcysteine oxidase precursor - Mus muscu | -0.31433 | 0.42826 | 19.4059 |

|        |                    |                                              |          |         |         |
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|        |                    | 6061 ELGLSSVPASGGLVGVYNGK                    |          |         |         |
|        |                    | 6062 IAIVGAGIGGTSSAYYLR                      |          |         |         |
|        |                    | 6063 IAIVGAGIGGTSSAYYLR[162]                 |          |         |         |
|        |                    | 6064 LMHAIGGDDYVR                            |          |         |         |
|        |                    | 6065 KPWLSYPHYEPPQK                          |          |         |         |
|        |                    | 6066 YQSHDYAFSSVEK[134]                      |          |         |         |
|        |                    | 6067 TGSETHSDFYDIVLVAAPLNR[162]              |          |         |         |
|        |                    | 6068 TGSETHSDFYDIVLVAAPLNR                   |          |         |         |
| Q9JIY0 | Q9JIY0 PKHO1_MOUSE | Pleckstrin homology domain-containing family | -0.60978 | 0.12434 | 26.7157 |
|        |                    | 6069 LLGEASSNWSQAK[134]                      |          |         |         |
|        |                    | 6070 TQELLAEVQGLGDGK[134]                    |          |         |         |
|        |                    | 6071 AKDPPQSPPDSESEQLLETER                   |          |         |         |
|        |                    | 6072 ILDEVTVEEDSYLAHPTR[162]                 |          |         |         |
|        |                    | 6073 ILDEVTVEEDSYLAHPTR                      |          |         |         |
|        |                    | 6074 TQELLAEVQGLGDGKR                        |          |         |         |
|        |                    | 6075 QMDLQTPDShLR                            |          |         |         |
|        |                    | 6076 QMDLQTPDShLR[162]                       |          |         |         |
|        |                    | 6077 LLGEASSNWSQAK                           |          |         |         |
|        |                    | 6078 TQELLAEVQGLGDGK                         |          |         |         |
|        |                    | 6079 TQELLAEVQGLGDGK[134]R[162]              |          |         |         |
|        |                    | 6080 DTAPARPLHLQAEESLPPVPAQPGQLSR            |          |         |         |
|        |                    | 6081 DTAPAR[162]PLHLQAEESLPPVPAQPGQLSR[162]  |          |         |         |
| Q8BVE3 | Q8BVE3 VATH_MOUSE  | Vacuolar proton pump subunit H - Mus muscu   | -1.98175 | 0.00000 | 25.2588 |
|        |                    | 6082 GAVDAAVPTNIIAAK[134]                    |          |         |         |
|        |                    | 6083 GAVDAAVPTNIIAAK                         |          |         |         |
|        |                    | 6084 LMVHNWEYLGK[134]                        |          |         |         |
|        |                    | 6085 QLVMNHHMHEDQQVR[162]                    |          |         |         |
|        |                    | 6086 LGESVQDLSSFDEYSSELK                     |          |         |         |
|        |                    | 6087 LGESVQDLSSFDEYSSELK[134]                |          |         |         |
|        |                    | 6088 LNEK[134]NYELLK[134]                    |          |         |         |
|        |                    | 6089 QLQSEQPQTAAAR[162]                      |          |         |         |

|        |                   |                                                |          |         |         |
|--------|-------------------|------------------------------------------------|----------|---------|---------|
|        |                   | 6090 LEWSPVHK[134]                             |          |         |         |
|        |                   | 6091 YNALLAVQK                                 |          |         |         |
|        |                   | 6092 YNALLAVQK[134]                            |          |         |         |
|        |                   | 6093 TFINLMTHISK[134]                          |          |         |         |
|        |                   | 6094 QDPFTVHMAAR[162]                          |          |         |         |
| Q61735 | Q61735 CD47_MOUSE | Leukocyte surface antigen CD47 precursor - M   | 0.86620  | 0.04428 | 8.9109  |
|        |                   | 6095 NVEAQSTEEMFVK                             |          |         |         |
|        |                   | 6096 ISVSDLINGIASLK                            |          |         |         |
|        |                   | 6097 NVEAQSTEEMFVK[134]                        |          |         |         |
|        |                   | 6098 ISVSDLINGIASLK[134]                       |          |         |         |
| Q920A5 | Q920A5 RISC_MOUSE | Retinoid-inducible serine carboxypeptidase pri | -0.18554 | 0.64007 | 11.5044 |
|        |                   | 6099 NTDGVNFYNILTK                             |          |         |         |
|        |                   | 6100 DLDTVASDMMVLLK[134]                       |          |         |         |
|        |                   | 6101 DLDTVASDMMVLLK                            |          |         |         |
|        |                   | 6102 MAAGISVELYK                               |          |         |         |
|        |                   | 6103 EVWDYVTVR[162]                            |          |         |         |
|        |                   | 6104 EVWDYVTVR                                 |          |         |         |
|        |                   | 6105 NTDGVNFYNILTK[134]                        |          |         |         |
|        |                   | 6106 EPEGKEVWDYVTVR                            |          |         |         |
| P20060 | P20060 HEXB_MOUSE | Beta-hexosaminidase beta chain precursor - M   | -0.24299 | 0.54028 | 17.3507 |
|        |                   | 6107 GSYSLSHVYTPNDVR                           |          |         |         |
|        |                   | 6108 GSYSLSHVYTPNDVR[162]                      |          |         |         |
|        |                   | 6109 NYKKVEPLNFEGSEK                           |          |         |         |
|        |                   | 6110 NYKK[134]VEPLNFEGSEK[134]                 |          |         |         |
|        |                   | 6111 SEHYSYELK[134]                            |          |         |         |
|        |                   | 6112 ANSVWGALR[162]                            |          |         |         |
|        |                   | 6113 SEHYSYELK                                 |          |         |         |
|        |                   | 6114 VIPEFDTPGHTQSWGK                          |          |         |         |
|        |                   | 6115 ANSVWGALR                                 |          |         |         |
|        |                   | 6116 TVTDLENAYK[134]R[162]                     |          |         |         |
|        |                   | 6117 VEPLNFEGSEK                               |          |         |         |

|        |                    |                                              |          |         |         |
|--------|--------------------|----------------------------------------------|----------|---------|---------|
|        |                    | 6118 VEPLNFEGSEK[134]                        |          |         |         |
|        |                    | 6119 TVTDLENAYKR                             |          |         |         |
|        |                    | 6120 TVTDLENAYK                              |          |         |         |
|        |                    | 6121 GIAAQPLYTGYC[174]NYENKI                 |          |         |         |
|        |                    | 6122 GIAAQPLYTGYC[174]NYENK[134]I            |          |         |         |
| P47740 | P47740 AL3A2_MOUSE | Fatty aldehyde dehydrogenase - Mus musculu:  | 0.18817  | 0.66213 | 13.843  |
|        |                    | 6123 EKPLALYVFSR                             |          |         |         |
|        |                    | 6124 IAFGGEMDEATR                            |          |         |         |
|        |                    | 6125 YLAPTILTDVDPNSK[134]                    |          |         |         |
|        |                    | 6126 NVDEAINFINDR                            |          |         |         |
|        |                    | 6127 NVDEAINFINDR[162]                       |          |         |         |
|        |                    | 6128 YLAPTILTDVDPNSK                         |          |         |         |
|        |                    | 6129 IAFGGEMDEATR[162]                       |          |         |         |
|        |                    | 6130 VMQEEIFGPILPIVSVK                       |          |         |         |
| P80314 | P80314 TCPB_MOUSE  | T-complex protein 1 subunit beta - Mus muscu | 0.14732  | 0.73228 | 18.1308 |
|        |                    | 6131 LSSFIGAIAIGDLVK                         |          |         |         |
|        |                    | 6132 LSSFIGAIAIGDLVK[134]                    |          |         |         |
|        |                    | 6133 LALVTGGEIASTFDHPELVK                    |          |         |         |
|        |                    | 6134 GATQQILDEAER                            |          |         |         |
|        |                    | 6135 DAALMVTNDGATILK[134]                    |          |         |         |
|        |                    | 6136 DAALMVTNDGATILK                         |          |         |         |
|        |                    | 6137 EALLSSAVDHGSDEAR[162]                   |          |         |         |
|        |                    | 6138 GATQQILDEAER[162]                       |          |         |         |
|        |                    | 6139 EALLSSAVDHGSDEAR                        |          |         |         |
|        |                    | 6140 LGGSLADSYLDEGFLLDKK                     |          |         |         |
| Q3TDN2 | Q3TDN2 UBXD8_MOUSE | UBX domain-containing protein 8 - Mus muscu  | -0.03579 | 0.92812 | 19.3258 |
|        |                    | 6141 AHPVFYQGTYSQALNDAKR                     |          |         |         |
|        |                    | 6142 QQQDEAYLASLRADQEKER                     |          |         |         |
|        |                    | 6143 QQQDEAYLASLR                            |          |         |         |
|        |                    | 6144 QQQDEAYLASLR[162]                       |          |         |         |
|        |                    | 6145 FQIEANFPR                               |          |         |         |



|        |                    |                                                |          |         |         |
|--------|--------------------|------------------------------------------------|----------|---------|---------|
|        |                    | 6146 LNEQEGVPSVFNPPPAR[162]PLQVNTADHR[162]     |          |         |         |
|        |                    | 6147 IYSYVVSR[162]PQPR[162]                    |          |         |         |
|        |                    | 6148 LNEQEGVPSVFNPPPARPLQVNTADHR               |          |         |         |
| Q8BLF1 | Q8BLF1 ADCL1_MOUSE | Arylacetamide deacetylase-like 1 - Mus muscu   | -0.23003 | 0.56211 | 10.7843 |
|        |                    | 6149 VKVTDTDFDGVEVR                            |          |         |         |
|        |                    | 6150 VTDTDFDGVEVR                              |          |         |         |
|        |                    | 6151 LVPQVYFPEQIHDVIR                          |          |         |         |
|        |                    | 6152 VFEGSPKPEELRR                             |          |         |         |
|        |                    | 6153 VTDTDFDGVEVR[162]                         |          |         |         |
| Q9CY58 | Q9CY58 PAIRB_MOUSE | Plasminogen activator inhibitor 1 RNA-binding  | 0.63814  | 0.13837 | 26.5356 |
|        |                    | 6154 FDQLFDDSDPFEVLK                           |          |         |         |
|        |                    | 6155 SSASAPDVDDPEAFPALA                        |          |         |         |
|        |                    | 6156 GSGSHNWGTVK[134]DELTESPK[134]             |          |         |         |
|        |                    | 6157 SEEAHAEDSVMDHHFR                          |          |         |         |
|        |                    | 6158 SKSEEAHAEDSVMDHHFR                        |          |         |         |
|        |                    | 6159 SK[134]SEEAHAEDSVMDHHFR[162]              |          |         |         |
|        |                    | 6160 AK[134]VEFNIR[162]                        |          |         |         |
|        |                    | 6161 TDKSSASAPDVDDPEAFPALA                     |          |         |         |
|        |                    | 6162 RFEKPLEEK                                 |          |         |         |
|        |                    | 6163 AKVEFNIR                                  |          |         |         |
|        |                    | 6164 SAAQAAAQTNSNAAGK[134]                     |          |         |         |
| Q9DBG5 | Q9DBG5 M6PBP_MOUSE | Mannose-6-phosphate receptor-binding prote     | -0.22373 | 0.57286 | 6.865   |
|        |                    | 6165 SAMTSGVQSVMGSR[162]                       |          |         |         |
|        |                    | 6166 SAMTSGVQSVMGSR                            |          |         |         |
|        |                    | 6167 TLTTAAVSTAQPILSK                          |          |         |         |
| Q9D1A2 | Q9D1A2 CNDP2_MOUSE | Cytosolic non-specific dipeptidase - Mus musci | -0.18445 | 0.64203 | 14.3158 |
|        |                    | 6168 EGG SIPVTLTFQEATGK[134]                   |          |         |         |
|        |                    | 6169 LGGSVELVDIGK[134]                         |          |         |         |
|        |                    | 6170 TVFGVEPDLTR                               |          |         |         |
|        |                    | 6171 QKLPGSEIPLPPILLGK                         |          |         |         |
|        |                    | 6172 EGG SIPVTLTFQEATGK                        |          |         |         |

|        |                   |                                               |          |         |         |
|--------|-------------------|-----------------------------------------------|----------|---------|---------|
|        |                   | 6173 TVFGVEPDLTR[162]                         |          |         |         |
|        |                   | 6174 LPDGSEIPLPPILLGK                         |          |         |         |
|        |                   | 6175 TGQEIPVNLK[162]                          |          |         |         |
|        |                   | 6176 TGQEIPVNLK                               |          |         |         |
| Q03265 | Q03265 ATPA_MOUSE | ATP synthase subunit alpha, mitochondrial pre | -0.91947 | 0.02049 | 32.7306 |
|        |                   | 6177 TGAIVDVPVGEELLGR[162]                    |          |         |         |
|        |                   | 6178 TGAIVDVPVGEELLGR                         |          |         |         |
|        |                   | 6179 HALIYYDDLK                               |          |         |         |
|        |                   | 6180 HALIYYDDLK[134]                          |          |         |         |
|        |                   | 6181 ILGADTSVDLEETGR[162]                     |          |         |         |
|        |                   | 6182 VVDALGNAIDGK                             |          |         |         |
|        |                   | 6183 VVDALGNAIDGKGPIGSK                       |          |         |         |
|        |                   | 6184 VVDALGNAIDGK[134]                        |          |         |         |
|        |                   | 6185 VGLK[134]APGIIPR[162]                    |          |         |         |
|        |                   | 6186 ISVREPMQTGIK                             |          |         |         |
|        |                   | 6187 EAYPGDVFYLSR[162]                        |          |         |         |
|        |                   | 6188 TGTAEMSSILEER                            |          |         |         |
|        |                   | 6189 TGTAEMSSILEER[162]                       |          |         |         |
|        |                   | 6190 VGLKAPGIIPR                              |          |         |         |
|        |                   | 6191 TSIAIDTIINQK[134]R[162]                  |          |         |         |
|        |                   | 6192 VVDALGNAIDGK[134]GPIGSK[134]             |          |         |         |
|        |                   | 6193 EAYPGDVFYLSR                             |          |         |         |
|        |                   | 6194 TSIAIDTIINQK[134]                        |          |         |         |
|        |                   | 6195 VLSIGDGIAR                               |          |         |         |
|        |                   | 6196 ISVR[162]EPMQTGIK[134]                   |          |         |         |
|        |                   | 6197 STVAQLVK[134]                            |          |         |         |
|        |                   | 6198 TSIAIDTIINQK                             |          |         |         |
|        |                   | 6199 AVDSLVPPIGR                              |          |         |         |
|        |                   | 6200 EIVTNFLAGFEP                             |          |         |         |
|        |                   | 6201 AVDSLVPPIGR[162]                         |          |         |         |
|        |                   | 6202 APGIIPR[162]                             |          |         |         |

|        |                    |                                                  |          |         |         |
|--------|--------------------|--------------------------------------------------|----------|---------|---------|
|        |                    | 6203 LK[134]EIVTNFLAGFEP                         |          |         |         |
|        |                    | 6204 APGIIPR                                     |          |         |         |
|        |                    | 6205 VLSIGDGIAR[162]                             |          |         |         |
|        |                    | 6206 GYLDK[134]LEPSK[134]                        |          |         |         |
|        |                    | 6207 LELAQYR[162]                                |          |         |         |
|        |                    | 6208 GYLDKLEPSK                                  |          |         |         |
| Q64281 | Q64281 LIRB4_MOUSE | Leukocyte immunoglobulin-like receptor subfa     | -0.26186 | 0.50929 | 8.6567  |
|        |                    | 6209 SVNPWDQVPLETR[162]                          |          |         |         |
|        |                    | 6210 SVNPWDQVPLETR                               |          |         |         |
|        |                    | 6211 FNIPSMTTSYAGIYK                             |          |         |         |
| P01899 | P01899 HA11_MOUSE  | H-2 class I histocompatibility antigen, D-B alph | 2.32310  | 0.00000 | 12.4309 |
|        |                    | 6212 YISVGYYVDNKEFVR                             |          |         |         |
|        |                    | 6213 GGDYALAPGSQSSEMSLR                          |          |         |         |
|        |                    | 6214 VYHEGLPEPLTLR                               |          |         |         |
| Q8C1Y8 | Q8C1Y8 CG028_MOUSE | Uncharacterized protein C7orf28 homolog - M      | 0.19757  | 0.64638 | 18.75   |
|        |                    | 6215 FLTGPLNLNDPEAK                              |          |         |         |
|        |                    | 6216 FLTGPLNLNDPEAK[134]                         |          |         |         |
|        |                    | 6217 KTPSVSLTSVHPDLMK                            |          |         |         |
|        |                    | 6218 ILGDINSDFTR[162]                            |          |         |         |
|        |                    | 6219 YLTTSLFPR[162]                              |          |         |         |
|        |                    | 6220 ILGDINSDFTR                                 |          |         |         |
|        |                    | 6221 HIEPELAGR                                   |          |         |         |
|        |                    | 6222 HIEPELAGR[162]                              |          |         |         |
|        |                    | 6223 AMSDYWVVGK[134]                             |          |         |         |
|        |                    | 6224 YLTTSLFPR                                   |          |         |         |
|        |                    | 6225 EGEEENKILFYHPNEVEKNEK                       |          |         |         |
| O35704 | O35704 SPTC1_MOUSE | Serine palmitoyltransferase 1 - Mus musculus     | -0.26186 | 0.50929 | 9.0909  |
|        |                    | 6226 EKEELIEEWQPEPLVPPVSK                        |          |         |         |
|        |                    | 6227 VVVTVEQTEELQR                               |          |         |         |
|        |                    | 6228 VVVTVEQTEELQR[162]                          |          |         |         |
|        |                    | 6229 HNDVADLER[162]                              |          |         |         |

|        |                   |                                               |          |         |         |
|--------|-------------------|-----------------------------------------------|----------|---------|---------|
| P24668 | P24668 MPRD_MOUSE | Cation-dependent mannose-6-phosphate rece     | -0.32928 | 0.40662 | 26.9784 |
|        |                   | 6230 SFESTVGQGSDTYSYIFR                       |          |         |         |
|        |                   | 6231 HTLAANFNPVSEER[162]                      |          |         |         |
|        |                   | 6232 NEVALLER[162]                            |          |         |         |
|        |                   | 6233 SFESTVGQGSDTYSYIFR[162]                  |          |         |         |
|        |                   | 6234 HTLAANFNPVSEER                           |          |         |         |
|        |                   | 6235 GVGDDQLGEESEER[162]DDHLLPM               |          |         |         |
|        |                   | 6236 GVGDDQLGEESEERDDHLLPM                    |          |         |         |
|        |                   | 6237 NEVALLER                                 |          |         |         |
|        |                   | 6238 DKESKNEVALLER                            |          |         |         |
|        |                   | 6239 HTLAANFNPVSEERGK                         |          |         |         |
|        |                   | 6240 NVPAAYR                                  |          |         |         |
| P26443 | P26443 DHE3_MOUSE | Glutamate dehydrogenase 1, mitochondrial pr   | -0.53006 | 0.18159 | 18.638  |
|        |                   | 6241 IIAEGANGPTTPEADK[134]IFLER[162]          |          |         |         |
|        |                   | 6242 YSTDVSVDEVK                              |          |         |         |
|        |                   | 6243 DDGSWEVIEGYR[162]                        |          |         |         |
|        |                   | 6244 IIAEGANGPTTPEADKIFLER                    |          |         |         |
|        |                   | 6245 HGGTIPVVPTAEFQDR[162]                    |          |         |         |
|        |                   | 6246 ALASLMTYK                                |          |         |         |
|        |                   | 6247 TAAYVNAIEK                               |          |         |         |
|        |                   | 6248 TAAYVNAIEK[134]                          |          |         |         |
|        |                   | 6249 MVEGFFDR[162]                            |          |         |         |
|        |                   | 6250 YNLGLDLR[162]                            |          |         |         |
|        |                   | 6251 YNLGLDLR                                 |          |         |         |
|        |                   | 6252 MVEGFFDR                                 |          |         |         |
|        |                   | 6253 YSTDVSVDEVK[134]                         |          |         |         |
|        |                   | 6254 HGGTIPVVPTAEFQDR                         |          |         |         |
|        |                   | 6255 NYTDNELEK                                |          |         |         |
|        |                   | 6256 ALASLMTYK[134]                           |          |         |         |
| P32921 | P32921 SYWC_MOUSE | Tryptophanyl-tRNA synthetase, cytoplasmic - I | -0.15035 | 0.70475 | 5.8212  |
|        |                   | 6257 TLIDVLQPLIAEHQAR                         |          |         |         |

|        |                    |                                            |          |         |         |
|--------|--------------------|--------------------------------------------|----------|---------|---------|
|        |                    | 6258 TLIDVLQPLIAEHQAR[162]                 |          |         |         |
|        |                    | 6259 AS EDFVDPWTVR                         |          |         |         |
| P47738 | P47738 ALDH2_MOUSE | Aldehyde dehydrogenase, mitochondrial prec | -1.41448 | 0.00036 | 36.9942 |
|        |                    | 6260 ELGEYGLQAYTEVK                        |          |         |         |
|        |                    | 6261 ELGEYGLQAYTEVK[134]                   |          |         |         |
|        |                    | 6262 GYFIQPTVFGDVK                         |          |         |         |
|        |                    | 6263 TEQGPQVDETQFK[134]                    |          |         |         |
|        |                    | 6264 TFVQENVYDEFVER                        |          |         |         |
|        |                    | 6265 TFVQENVYDEFVER[162]                   |          |         |         |
|        |                    | 6266 VAEQTPLTALYVANLIK                     |          |         |         |
|        |                    | 6267 VAEQTPLTALYVANLIK[134]                |          |         |         |
|        |                    | 6268 YGLAAAVFTK[134]                       |          |         |         |
|        |                    | 6269 TEQGPQVDETQFK                         |          |         |         |
|        |                    | 6270 FKTIEEVVGR                            |          |         |         |
|        |                    | 6271 LGPALATGNVVMK                         |          |         |         |
|        |                    | 6272 LGPALATGNVVMK[134]                    |          |         |         |
|        |                    | 6273 GYFIQPTVFGDVK[134]                    |          |         |         |
|        |                    | 6274 FK[134]TIEEVVGR[162]                  |          |         |         |
|        |                    | 6275 VVGPNPFDSR[162]                       |          |         |         |
|        |                    | 6276 TIPIDGDFFSYTR[162]                    |          |         |         |
|        |                    | 6277 AAFQLGSPWR[162]                       |          |         |         |
|        |                    | 6278 YGLAAAVFTK                            |          |         |         |
|        |                    | 6279 VAFTGSTEVGHLIQVAAGSSNLK[134]R[162]    |          |         |         |
|        |                    | 6280 TIPIDGDFFSYTR                         |          |         |         |
|        |                    | 6281 VVGPNPFDSR                            |          |         |         |
|        |                    | 6282 TIEEVVGR[162]                         |          |         |         |
|        |                    | 6283 AAFQLGSPWR                            |          |         |         |
|        |                    | 6284 EAGFPPGVVNIVPGFGPTAGAAIASHEGVDK[134]  |          |         |         |
| P60122 | P60122 RUVB1_MOUSE | RuvB-like 1 - Mus musculus                 | -0.91947 | 0.02049 | 8.9912  |
|        |                    | 6285 YSVQLLTPANLLAK[134]                   |          |         |         |
|        |                    | 6286 ALESSIAPIVIFASNR[162]                 |          |         |         |

|        |                     |                                             |          |         |         |
|--------|---------------------|---------------------------------------------|----------|---------|---------|
|        |                     | 6287 YSVQLLTPANLLAK                         |          |         |         |
|        |                     | 6288 LDPSIFESLQK[134]                       |          |         |         |
|        |                     | 6289 LDPSIFESLQK                            |          |         |         |
| Q3TFD0 | Q3TFD0 Q3TFD0_MOUSE | Serine hydroxymethyltransferase - Mus muscu | -0.53081 | 0.18098 | 23.3533 |
|        |                     | 6290 LNPQTGLIDYDQLALTAR                     |          |         |         |
|        |                     | 6291 LNPQTGLIDYDQLALTAR[162]                |          |         |         |
|        |                     | 6292 VLELVSITANK                            |          |         |         |
|        |                     | 6293 VLELVSITANK[134]                       |          |         |         |
|        |                     | 6294 SFLKDPETSQR                            |          |         |         |
|        |                     | 6295 AHLLADMAHISGLVAAK[134]                 |          |         |         |
|        |                     | 6296 YADVVTTHK[134]                         |          |         |         |
|        |                     | 6297 SFLK[134]DPETSQR[162]                  |          |         |         |
|        |                     | 6298 LGAPALTSR                              |          |         |         |
|        |                     | 6299 LIIAGTSAYAR[162]                       |          |         |         |
|        |                     | 6300 LIIAGTSAYAR                            |          |         |         |
|        |                     | 6301 SGLIFYR                                |          |         |         |
|        |                     | 6302 LGAPALTSR[162]                         |          |         |         |
|        |                     | 6303 SGLIFYR[162]                           |          |         |         |
|        |                     | 6304 GFPMPGFDER                             |          |         |         |
|        |                     | 6305 NAQAMADALLK                            |          |         |         |
|        |                     | 6306 GFPMPGFDER[162]                        |          |         |         |
| Q3U6Q5 | Q3U6Q5 Q3U6Q5_MOUSE | Bone marrow macrophage cDNA, RIKEN full-le  | -0.17440 | 0.66028 | 5.0916  |
|        |                     | 6307 TQPVPEFHLLPGQR                         |          |         |         |
|        |                     | 6308 TQPVPEFHLLPGQR[162]                    |          |         |         |
|        |                     | 6309 DNLNDDEVDSKTQPVPEFHLLPGQR              |          |         |         |
| Q62465 | Q62465 VAT1_MOUSE   | Synaptic vesicle membrane protein VAT-1 hor | -0.30103 | 0.44805 | 26.601  |
|        |                     | 6310 GVDIVMDPLGGSDTAK                       |          |         |         |
|        |                     | 6311 GVDIVMDPLGGSDTAK[134]                  |          |         |         |
|        |                     | 6312 VVTYGMANLLTGPK                         |          |         |         |
|        |                     | 6313 VVTYGMANLLTGPK[134]                    |          |         |         |
|        |                     | 6314 LVALYNQGHK[134]PR[162]                 |          |         |         |

|        |                    |      |                                                |          |         |         |
|--------|--------------------|------|------------------------------------------------|----------|---------|---------|
|        |                    | 6315 | LQSRPAVPPAPGPGQLTLR                            |          |         |         |
|        |                    | 6316 | LQSR[162]PAVPPAPGPGQLTLR[162]                  |          |         |         |
|        |                    | 6317 | GYHLLK[134]PMGK[134]                           |          |         |         |
|        |                    | 6318 | TVENVTVFGTASASK[134]                           |          |         |         |
|        |                    | 6319 | IDSVWPFEK                                      |          |         |         |
|        |                    | 6320 | TVENVTVFGTASASK                                |          |         |         |
|        |                    | 6321 | IDSVWPFEK[134]                                 |          |         |         |
|        |                    | 6322 | LVALYNQGHKPR                                   |          |         |         |
|        |                    | 6323 | GYHLLKPMGK                                     |          |         |         |
|        |                    | 6324 | VLLVPGPEK[134]ET                               |          |         |         |
|        |                    | 6325 | VVTYGMANLLTGPK[134]R[162]                      |          |         |         |
|        |                    | 6326 | VVTYGMANLLTGPKR                                |          |         |         |
|        |                    | 6327 | VLLVPGPEKET                                    |          |         |         |
| Q8BWY3 | Q8BWY3 ERF1_MOUSE  |      | Eukaryotic peptide chain release factor subuni | -0.06922 | 0.86152 | 5.2632  |
|        |                    | 6328 | LSVLGAITSVQQR                                  |          |         |         |
|        |                    | 6329 | LSVLGAITSVQQR[162]                             |          |         |         |
|        |                    | 6330 | GFGGIGGILR                                     |          |         |         |
| Q922J9 | Q922J9 FACR1_MOUSE |      | Fatty acyl-CoA reductase 1 - Mus musculus      | 0.19818  | 0.64537 | 7.3786  |
|        |                    | 6331 | ALAEYVVQQEGAK[134]                             |          |         |         |
|        |                    | 6332 | IIAINSELTQPK                                   |          |         |         |
|        |                    | 6333 | IIAINSELTQPK[134]                              |          |         |         |
|        |                    | 6334 | ALAEYVVQQEGAK                                  |          |         |         |
|        |                    | 6335 | NILLTGATGFLGK[134]                             |          |         |         |
|        |                    | 6336 | NILLTGATGFLGK                                  |          |         |         |
| Q922R8 | Q922R8 PDIA6_MOUSE |      | Protein disulfide-isomerase A6 precursor - Mu  | -0.31173 | 0.43209 | 36.5909 |
|        |                    | 6337 | GSFSEQGINEFLR                                  |          |         |         |
|        |                    | 6338 | GSTAPVGGGSFPTITPR[162]                         |          |         |         |
|        |                    | 6339 | TGEAIVDAALSALR[162]                            |          |         |         |
|        |                    | 6340 | IFQKGESPDYDGGGR                                |          |         |         |
|        |                    | 6341 | IFQK[134]GESPDYDGGGR[162]                      |          |         |         |
|        |                    | 6342 | GSTAPVGGGSFPTITPR                              |          |         |         |

|        |                    |                                                  |          |         |         |
|--------|--------------------|--------------------------------------------------|----------|---------|---------|
|        |                    | 6343 GSFSEQGINEFLR[162]                          |          |         |         |
|        |                    | 6344 TGEAIVDAALSALR                              |          |         |         |
|        |                    | 6345 VGAVNADKHQSLGGQYGVQGFPTIK                   |          |         |         |
|        |                    | 6346 DVVELTDDTFDK[134]                           |          |         |         |
|        |                    | 6347 LAAVDATVNQVLASR                             |          |         |         |
|        |                    | 6348 LAAVDATVNQVLASR[162]                        |          |         |         |
|        |                    | 6349 NLEPEWAAAATEVKEQTK                          |          |         |         |
|        |                    | 6350 VKLAAVDATVNQVLASR                           |          |         |         |
|        |                    | 6351 VK[134]LAAVDATVNQVLASR[162]                 |          |         |         |
|        |                    | 6352 HQSLGGQYGVQGFPTIK[134]                      |          |         |         |
|        |                    | 6353 HQSLGGQYGVQGFPTIK                           |          |         |         |
|        |                    | 6354 VGAVNADK[134]HQSLGGQYGVQGFPTIK[134]         |          |         |         |
|        |                    | 6355 NLEPEWAAAATEVK                              |          |         |         |
|        |                    | 6356 NLEPEWAAAATEVK[134]                         |          |         |         |
|        |                    | 6357 DVVELTDDTFDK                                |          |         |         |
|        |                    | 6358 GESPVDYDGGR                                 |          |         |         |
|        |                    | 6359 KAATALKDVK                                  |          |         |         |
|        |                    | 6360 GESPVDYDGGR[162]                            |          |         |         |
|        |                    | 6361 AATALK[134]DVVK[134]                        |          |         |         |
|        |                    | 6362 AATALKDVK                                   |          |         |         |
|        |                    | 6363 YGIKGFPTIK                                  |          |         |         |
|        |                    | 6364 NSYLEVLLK                                   |          |         |         |
|        |                    | 6365 NSYLEVLLK[134]                              |          |         |         |
| Q99K70 | Q99K70 RRAGC_MOUSE | Ras-related GTP-binding protein C - Mus musc     | -0.92970 | 0.01913 | 8.794   |
|        |                    | 6366 ANDDLADAGLEK[134]                           |          |         |         |
|        |                    | 6367 AFLFDVVS[134]                               |          |         |         |
|        |                    | 6368 AFLFDVVS                                    |          |         |         |
|        |                    | 6369 MSPNETLFLESTNK[134]                         |          |         |         |
| Q9DCH4 | Q9DCH4 EIF3F_MOUSE | Eukaryotic translation initiation factor 3 subun | 0.00760  | 0.98592 | 11.9114 |
|        |                    | 6370 VIGLSSDLQVGGASAR                            |          |         |         |
|        |                    | 6371 VIGLSSDLQVGGASAR[162]                       |          |         |         |



|        |                   |                                               |          |         |         |
|--------|-------------------|-----------------------------------------------|----------|---------|---------|
|        |                   | 6372 LHPVILASIVDSYER[162]                     |          |         |         |
|        |                   | 6373 LHPVILASIVDSYER                          |          |         |         |
|        |                   | 6374 FLMSLVNQVPK                              |          |         |         |
| P56480 | P56480 ATPB_MOUSE | ATP synthase subunit beta, mitochondrial prec | -0.72992 | 0.06583 | 46.5028 |
|        |                   | 6375 VLDSGAPIK[134]IPVGPETLGR[162]            |          |         |         |
|        |                   | 6376 TIAMDGTGLVR[162]                         |          |         |         |
|        |                   | 6377 FLSQPFQVAEVFTGHMGK[134]                  |          |         |         |
|        |                   | 6378 IPSAVGYQPTLATDMGMTMQR[162]               |          |         |         |
|        |                   | 6379 IMDPNIVGNEHYDVAR                         |          |         |         |
|        |                   | 6380 LVLEVAQHLGESTVR[162]                     |          |         |         |
|        |                   | 6381 TVLIMELINNVAK                            |          |         |         |
|        |                   | 6382 TVLIMELINNVAK[134]                       |          |         |         |
|        |                   | 6383 VALVYQGMNEPPGAR[162]                     |          |         |         |
|        |                   | 6384 AHGGYSVFAGVGER[162]                      |          |         |         |
|        |                   | 6385 EGNDLYHEMIESGVINLK[134]                  |          |         |         |
|        |                   | 6386 FLSQPFQVAEVFTGHMGK                       |          |         |         |
|        |                   | 6387 LVLEVAQHLGESTVR                          |          |         |         |
|        |                   | 6388 TR[162]EGNDLYHEMIESGVINLK[134]           |          |         |         |
|        |                   | 6389 VLDSGAPIKIPVGPETLGR                      |          |         |         |
|        |                   | 6390 AIAELGIYPAVDPLDSTSR                      |          |         |         |
|        |                   | 6391 IMDPNIVGNEHYDVAR[162]                    |          |         |         |
|        |                   | 6392 TREGNDLYHEMIESGVINLK                     |          |         |         |
|        |                   | 6393 VALTGLTVAEYFR[162]                       |          |         |         |
|        |                   | 6394 VALVYQGMNEPPGAR                          |          |         |         |
|        |                   | 6395 AHGGYSVFAGVGER                           |          |         |         |
|        |                   | 6396 IMNVIGEPIDER[162]GPIK[134]               |          |         |         |
|        |                   | 6397 FTQAGSEVSALLGR[162]                      |          |         |         |
|        |                   | 6398 AIAELGIYPAVDPLDSTSR[162]                 |          |         |         |
|        |                   | 6399 IMNVIGEPIDER[162]                        |          |         |         |
|        |                   | 6400 FTQAGSEVSALLGR                           |          |         |         |
|        |                   | 6401 VVDLLAPYAK                               |          |         |         |

|        |                    |                                               |          |         |         |
|--------|--------------------|-----------------------------------------------|----------|---------|---------|
|        |                    | 6402 TIAMDGTEGLVR                             |          |         |         |
|        |                    | 6403 IGLFGGAGVGK                              |          |         |         |
|        |                    | 6404 IMNVIGEPIDERGPIK                         |          |         |         |
|        |                    | 6405 VVDLLAPYAK[134]                          |          |         |         |
|        |                    | 6406 IGLFGGAGVGK[134]                         |          |         |         |
|        |                    | 6407 IMNVIGEPIDER                             |          |         |         |
| O55222 | O55222 ILK_MOUSE   | Integrin-linked protein kinase - Mus musculus | 0.20691  | 0.63089 | 8.6283  |
|        |                    | 6408 EVPFADLSNMEIGMK                          |          |         |         |
|        |                    | 6409 MYAPAWVAPEALQK                           |          |         |         |
|        |                    | 6410 FDMIVPILEK[134]                          |          |         |         |
|        |                    | 6411 FDMIVPILEK                               |          |         |         |
| O70172 | O70172 PI42A_MOUSE | Phosphatidylinositol-5-phosphate 4-kinase typ | -0.06922 | 0.86152 | 16.7901 |
|        |                    | 6412 FGIDDQDFQNSLTR[162]                      |          |         |         |
|        |                    | 6413 HGAGAEISTVNPEQYSKR                       |          |         |         |
|        |                    | 6414 HGAGAEISTVNPEQYSK[134]R[162]             |          |         |         |
|        |                    | 6415 HGAGAEISTVNPEQYSK[134]                   |          |         |         |
|        |                    | 6416 FGIDDQDFQNSLTR                           |          |         |         |
|        |                    | 6417 AKELPTLKDNDFINEGQK                       |          |         |         |
|        |                    | 6418 HGAGAEISTVNPEQYSK                        |          |         |         |
|        |                    | 6419 DVEFLAQLK                                |          |         |         |
|        |                    | 6420 FLDFIGHIL                                |          |         |         |
|        |                    | 6421 DVEFLAQLK[134]                           |          |         |         |
| Q31125 | Q31125 S39A7_MOUSE | Zinc transporter SLC39A7 - Mus musculus       | 0.63814  | 0.13837 | 7.1429  |
|        |                    | 6422 DGPVKPQSPEEEKAGSDLR                      |          |         |         |
|        |                    | 6423 EKPSTEEKEVGGLR                           |          |         |         |
| Q61151 | Q61151 2A5E_MOUSE  | Serine/threonine-protein phosphatase 2A 56 k  | 0.16919  | 0.69440 | 6.2099  |
|        |                    | 6424 SQGKPIELTPLLLK                           |          |         |         |
|        |                    | 6425 STLNELVDYITISR                           |          |         |         |
|        |                    | 6426 SQGK[134]PIELTPLLLK[134]                 |          |         |         |
| Q63886 | Q63886 UD11_MOUSE  | UDP-glucuronosyltransferase 1-1 precursor - N | 0.13971  | 0.74561 | 3.3645  |
|        |                    | 6427 AMEIAEALGR                               |          |         |         |

|        |                    |                                              |          |         |         |
|--------|--------------------|----------------------------------------------|----------|---------|---------|
|        |                    | 6428 IPQTVLWR                                |          |         |         |
|        |                    | 6429 IPQTVLWR[162]                           |          |         |         |
|        |                    | 6430 AMEIAEALGR[162]                         |          |         |         |
| Q6ZQM8 | Q6ZQM8 UD17C_MOUSE | UDP-glucuronosyltransferase 1-7C precursor - | 0.15416  | 0.72035 | 11.2994 |
|        |                    | 6431 SQQEGGILPLDSPAK                         |          |         |         |
|        |                    | 6432 SQQEGGILPLDSPAK[134]                    |          |         |         |
|        |                    | 6433 YFSLPSVVFSR[162]                        |          |         |         |
|        |                    | 6434 TYAVSHTQEDLNREFK                        |          |         |         |
|        |                    | 6435 NLLAYMGER                               |          |         |         |
|        |                    | 6436 YFSLPSVVFSR                             |          |         |         |
|        |                    | 6437 FTDTMTFK                                |          |         |         |
| Q8BP92 | Q8BP92 RCN2_MOUSE  | Reticulocalbin-2 precursor - Mus musculus    | -0.35497 | 0.37100 | 9.6875  |
|        |                    | 6438 VIDFDENTALDDTEEGSFR                     |          |         |         |
|        |                    | 6439 VIDFDENTALDDTEEGSFR[162]                |          |         |         |
|        |                    | 6440 QLHDDYFYHDEL                            |          |         |         |
| Q924S8 | Q924S8 SPRE1_MOUSE | Sprouty-related, EVH1 domain-containing prot | 0.96970  | 0.02433 | 11.2613 |
|        |                    | 6441 SSDIRPLPFEDLNAR                         |          |         |         |
|        |                    | 6442 SSDIR[162]PLPFEDLNAR[162]               |          |         |         |
|        |                    | 6443 HVSFQDEDEIVR                            |          |         |         |
|        |                    | 6444 FGLTFQSPADAR                            |          |         |         |
|        |                    | 6445 LSSLKDSVVFK                             |          |         |         |
| Q99JY9 | Q99JY9 ARP3_MOUSE  | Actin-related protein 3 - Mus musculus       | -0.08165 | 0.83697 | 21.0526 |
|        |                    | 6446 GVDDLDFFIGDEAIEKPTYATK                  |          |         |         |
|        |                    | 6447 GVDDLDFFIGDEAIEK[134]PTYATK[134]        |          |         |         |
|        |                    | 6448 AEPEDHYFLLTEPPLNTPENR                   |          |         |         |
|        |                    | 6449 AEPEDHYFLLTEPPLNTPENR[162]              |          |         |         |
|        |                    | 6450 DREVGIPPEQSLETAK                        |          |         |         |
|        |                    | 6451 NIVLSGGSTMFR                            |          |         |         |
|        |                    | 6452 NIVLSGGSTMFR[162]                       |          |         |         |
|        |                    | 6453 HNPVFGVMS                               |          |         |         |
|        |                    | 6454 FMEQVIFK                                |          |         |         |

|        |                    |                                                  |          |         |         |
|--------|--------------------|--------------------------------------------------|----------|---------|---------|
| Q99K23 | Q99K23 UFSP2_MOUSE | Ufm1-specific protease 2 - Mus musculus          | -0.69418 | 0.08021 | 7.5922  |
|        |                    | 6455 EIQQALVDAGDKPATFVGSR                        |          |         |         |
|        |                    | 6456 ILFVNQGSEMASQGR                             |          |         |         |
|        |                    | 6457 ILFVNQGSEMASQGR[162]                        |          |         |         |
| Q9CQE7 | Q9CQE7 ERGI3_MOUSE | Endoplasmic reticulum-Golgi intermediate con     | -0.24904 | 0.53025 | 5.2219  |
|        |                    | 6458 VAGNFHFAPGK[134]                            |          |         |         |
|        |                    | 6459 LK[134]QFDAYPK[134]                         |          |         |         |
|        |                    | 6460 VAGNFHFAPGK                                 |          |         |         |
| Q9DBC7 | Q9DBC7 KAP0_MOUSE  | cAMP-dependent protein kinase type I-alpha r     | 0.20691  | 0.63089 | 7.6115  |
|        |                    | 6461 LTVADALEPVQFEDGQK                           |          |         |         |
|        |                    | 6462 LTVADALEPVQFEDGQK[134]                      |          |         |         |
|        |                    | 6463 VSILESLDKWER                                |          |         |         |
| P18242 | P18242 CATD_MOUSE  | Cathepsin D precursor - Mus musculus             | 0.55518  | 0.19732 | 28.7805 |
|        |                    | 6464 TMTEVGGSVEDLILKGPITK                        |          |         |         |
|        |                    | 6465 TTEPVSELLK                                  |          |         |         |
|        |                    | 6466 VSSLPTVYLK                                  |          |         |         |
|        |                    | 6467 TMTEVGGSVEDLILK                             |          |         |         |
|        |                    | 6468 TTEPVSELLK[134]                             |          |         |         |
|        |                    | 6469 QIFGEATKQPGIVFVAAK                          |          |         |         |
|        |                    | 6470 VSSLPTVYLK[134]                             |          |         |         |
|        |                    | 6471 LGGKNYELHPDKYILK                            |          |         |         |
|        |                    | 6472 QIFGEATK[134]QPGIVFVAAK[134]                |          |         |         |
|        |                    | 6473 TMTEVGGSVEDLILK[134]GPITK[134]              |          |         |         |
|        |                    | 6474 NYELHPDKYILK                                |          |         |         |
|        |                    | 6475 NYELHPDK[134]YILK[134]                      |          |         |         |
|        |                    | 6476 GGC[174]EAIVDTGTSLLVGPVEEVKELQK             |          |         |         |
|        |                    | 6477 GGC[174]EAIVDTGTSLLVGPVEEVK[134]ELQK[134]   |          |         |         |
|        |                    | 6478 QIFGEATK[134]                               |          |         |         |
|        |                    | 6479 AIGAVPLIQGEYMIPC[174]EK                     |          |         |         |
|        |                    | 6480 AIGAVPLIQGEYMIPC[174]EK[134]                |          |         |         |
| P01900 | P01900 HA12_MOUSE  | H-2 class I histocompatibility antigen, D-D alph | 1.80188  | 0.00003 | 23.2877 |

|        |                    |                                              |          |         |         |
|--------|--------------------|----------------------------------------------|----------|---------|---------|
|        |                    | 6481 YFVTAVSRPGFGEP                          |          |         |         |
|        |                    | 6482 WIEQEGPEYWER                            |          |         |         |
|        |                    | 6483 YMEVGYYVDNTEFVR[162]                    |          |         |         |
|        |                    | 6484 YMEVGYYVDNTEFVR                         |          |         |         |
|        |                    | 6485 YFVTAVSR[162]PGFGEP[162]                |          |         |         |
|        |                    | 6486 RPEGDVTLR                               |          |         |         |
|        |                    | 6487 R[162]PEGDVTLR[162]                     |          |         |         |
|        |                    | 6488 WIEQEGPEYWER[162]                       |          |         |         |
|        |                    | 6489 WASVVVPLGKEQK                           |          |         |         |
|        |                    | 6490 WGKEEPSSTK                              |          |         |         |
|        |                    | 6491 RKWEQAGAAER                             |          |         |         |
| P51569 | P51569 AGAL_MOUSE  | Alpha-galactosidase A precursor - Mus muscul | -0.32668 | 0.41034 | 6.6826  |
|        |                    | 6492 DVIAINQDPLGK[134]                       |          |         |         |
|        |                    | 6493 VNPSGTVLFR[162]                         |          |         |         |
|        |                    | 6494 DVIAINQDPLGK                            |          |         |         |
|        |                    | 6495 ALLQNKDVIAINQDPLGK                      |          |         |         |
|        |                    | 6496 VNPSGTVLFR                              |          |         |         |
|        |                    | 6497 ALLQNK[134]DVIAINQDPLGK[134]            |          |         |         |
| O08917 | O08917 FLOT1_MOUSE | Flotillin-1 - Mus musculus                   | -0.15736 | 0.69167 | 57.7103 |
|        |                    | 6498 AQADLAYQLQVAK                           |          |         |         |
|        |                    | 6499 AQADLAYQLQVAK[134]                      |          |         |         |
|        |                    | 6500 AQLIMQAEAEASVR                          |          |         |         |
|        |                    | 6501 AQQVAVQEQEIAR                           |          |         |         |
|        |                    | 6502 AQQVAVQEQEIAR[162]                      |          |         |         |
|        |                    | 6503 LPQVAEEISGPLTSANK                       |          |         |         |
|        |                    | 6504 LPQVAEEISGPLTSANK[134]                  |          |         |         |
|        |                    | 6505 ITLVSSSGTGMGA                           |          |         |         |
|        |                    | 6506 DIHDDQDYLHSLGK                          |          |         |         |
|        |                    | 6507 DIHDDQDYLHSLGK[134]                     |          |         |         |
|        |                    | 6508 RAQADLAYQLQVAK                          |          |         |         |
|        |                    | 6509 ATYDIEVNTR                              |          |         |         |

6510 HGVPISVTGIAQVK  
6511 ISLNTLTNLVK  
6512 HGVPISVTGIAQVK[134]  
6513 LTGVVISQVNHNKPLR  
6514 ATYDIEVNTR[162]  
6515 GEAEFAIGAR  
6516 ISLNTLTNLVK[134]  
6517 LTGVVISQVNHNK[134]PLR[162]  
6518 VTGEVLDILSR  
6519 VTGEVLDILSR[162]  
6520 QKFSEQVFK  
6521 VQVQVVER  
6522 MRGEAEFAIGAR  
6523 VQVQVVER[162]  
6524 AQQVAVQEQEIAR[162]R[162]  
6525 AQQVAVQEQEIARR  
6526 AQLIMQAEAEASVR[162]  
6527 ITLVSSSGTMGAAK[134]  
6528 VASSDLVNMGISVVSYTLK  
6529 VASSDLVNMGISVVSYTLK[134]  
6530 LAEAEKAQLIMQAEAEASVR  
6531 LAEAEK[134]AQLIMQAEAEASVR[162]  
6532 R[162]AQADLAYQLQVAK[134]  
6533 TEAEIAHIALETLEGHQR  
6534 TEAEIAHIALETLEGHQR[162]  
6535 GEAEFAIGAR[162]  
6536 AIMAHMTVEEIKDR  
6537 VTGEVLDILSRLPESVER  
6538 VTGEVLDILSR[162]LPESVER[162]  
6539 KATYDIEVNTR  
6540 AIMAHMTVEEIK[134]DR[162]

|        |                   |                                       |          |         |         |
|--------|-------------------|---------------------------------------|----------|---------|---------|
|        |                   | 6541 MR[162]GEAEFAIGAR[162]           |          |         |         |
|        |                   | 6542 FSEQVFK                          |          |         |         |
|        |                   | 6543 K[134]ATYDIEVNTR[162]            |          |         |         |
| O35887 | O35887 CALU_MOUSE | Calumenin precursor - Mus musculus    | -0.03544 | 0.92882 | 15.2381 |
|        |                   | 6544 SFDQLTPEESK[134]ER[162]          |          |         |         |
|        |                   | 6545 SFDQLTPEESKER                    |          |         |         |
|        |                   | 6546 EQFVEFR[162]                     |          |         |         |
|        |                   | 6547 IDDDKDGFTVDELK                   |          |         |         |
|        |                   | 6548 EQFVEFR                          |          |         |         |
|        |                   | 6549 HLVYESDQNKDGK                    |          |         |         |
| P17182 | P17182 ENOA_MOUSE | Alpha-enolase - Mus musculus          | 0.52322  | 0.22436 | 40.3226 |
|        |                   | 6550 AAVPSGASTGIYEALRL                |          |         |         |
|        |                   | 6551 AAVPSGASTGIYEALRL[162]           |          |         |         |
|        |                   | 6552 DATNVGDEGGFAPNILENK              |          |         |         |
|        |                   | 6553 DATNVGDEGGFAPNILENK[134]         |          |         |         |
|        |                   | 6554 GNPTVEVDLYTAK[134]               |          |         |         |
|        |                   | 6555 SGK[134]YDLDFK[134]SPDDPSR[162]  |          |         |         |
|        |                   | 6556 YGKDATNVGDEGGFAPNILENK           |          |         |         |
|        |                   | 6557 YGK[134]DATNVGDEGGFAPNILENK[134] |          |         |         |
|        |                   | 6558 GNPTVEVDLYTAK                    |          |         |         |
|        |                   | 6559 GVSQAVEHINK[134]                 |          |         |         |
|        |                   | 6560 IGAEVYHNLK                       |          |         |         |
|        |                   | 6561 IGAEVYHNLK[134]                  |          |         |         |
|        |                   | 6562 GVSQAVEHINK                      |          |         |         |
|        |                   | 6563 SGKYDLDFKSPDDPSR                 |          |         |         |
|        |                   | 6564 YITPDQLADLYK[134]                |          |         |         |
|        |                   | 6565 LMIEMDGTENK                      |          |         |         |
|        |                   | 6566 SFRNPLAK                         |          |         |         |
|        |                   | 6567 YITPDQLADLYK                     |          |         |         |
|        |                   | 6568 SGKYDLDFK                        |          |         |         |
|        |                   | 6569 SFR[162]NPLAK[134]               |          |         |         |

|        |                    |                                                |          |         |         |
|--------|--------------------|------------------------------------------------|----------|---------|---------|
|        |                    | 6570 LAMQEFMILPVGASSFR                         |          |         |         |
|        |                    | 6571 FTASAGIQVVGDDLTVTNPKR                     |          |         |         |
|        |                    | 6572 DATNVGDEGGFAPNILENKEALELLK                |          |         |         |
|        |                    | 6573 LAMQEFMILPVGASSFR[162]                    |          |         |         |
|        |                    | 6574 DATNVGDEGGFAPNILENK[134]EALELLK[134]      |          |         |         |
|        |                    | 6575 TIAPALVSK[134]                            |          |         |         |
| P35821 | P35821 PTN1_MOUSE  | Tyrosine-protein phosphatase non-receptor ty   | 0.20691  | 0.63089 | 13.8889 |
|        |                    | 6576 AQSSAMHSVSSMSPDTEVR                       |          |         |         |
|        |                    | 6577 FSYLAVIEGAK                               |          |         |         |
|        |                    | 6578 FSYLAVIEGAK[134]                          |          |         |         |
|        |                    | 6579 MGLIQTADQLR                               |          |         |         |
|        |                    | 6580 LTLISEDVK                                 |          |         |         |
|        |                    | 6581 QLELENLTTK                                |          |         |         |
|        |                    | 6582 QLELENLTTK[134]                           |          |         |         |
| P50429 | P50429 ARSB_MOUSE  | Arylsulfatase B precursor - Mus musculus       | -0.05799 | 0.88381 | 5.2434  |
|        |                    | 6583 GTGFVASPLLK                               |          |         |         |
|        |                    | 6584 GTGFVASPLLK[134]                          |          |         |         |
|        |                    | 6585 TISEGHPSPR[162]                           |          |         |         |
|        |                    | 6586 TISEGHPSPR                                |          |         |         |
|        |                    | 6587 LLPQLLK                                   |          |         |         |
| Q61187 | Q61187 TS101_MOUSE | Tumor susceptibility gene 101 protein - Mus m  | 0.19757  | 0.64638 | 7.1611  |
|        |                    | 6588 LDQEVAEVDKNIELLK                          |          |         |         |
|        |                    | 6589 ELVNLTGTIPVR                              |          |         |         |
|        |                    | 6590 ELVNLTGTIPVR[162]                         |          |         |         |
| Q8BG81 | Q8BG81 PDIP3_MOUSE | Polymerase delta-interacting protein 3 - Mus m | -0.05799 | 0.88381 | 8.3333  |
|        |                    | 6591 VVQNDAYTAPVLPSSVR[162]                    |          |         |         |
|        |                    | 6592 VVQNDAYTAPVLPSSVR                         |          |         |         |
|        |                    | 6593 FAATGSLVHHMTGLSSSK[134]                   |          |         |         |
| Q8VDL4 | Q8VDL4 ADPGK_MOUSE | ADP-dependent glucokinase - Mus musculus       | 0.42264  | 0.32638 | 9.0726  |
|        |                    | 6594 LAAAWDALIAQPAR                            |          |         |         |
|        |                    | 6595 LGPAPVPVGPLSPESR                          |          |         |         |



|        |                    |                                                    |          |         |         |
|--------|--------------------|----------------------------------------------------|----------|---------|---------|
|        |                    | 6596 LGPAPVPVGPLSPESR[162]                         |          |         |         |
|        |                    | 6597 APQEFTTSHLESGSR                               |          |         |         |
| Q99L47 | Q99L47 F10A1_MOUSE | Hsc70-interacting protein - Mus musculus           | 0.19757  | 0.64638 | 9.973   |
|        |                    | 6598 GAAIEALNDGELQK                                |          |         |         |
|        |                    | 6599 AIEINPDSAQPYK[134]                            |          |         |         |
|        |                    | 6600 AIEINPDSAQPYK                                 |          |         |         |
|        |                    | 6601 GAAIEALNDGELQK[134]                           |          |         |         |
|        |                    | 6602 AIDLFTDAIK[134]                               |          |         |         |
|        |                    | 6603 AIDLFTDAIK                                    |          |         |         |
| Q9D8U8 | Q9D8U8 SNX5_MOUSE  | Sorting nexin-5 - Mus musculus                     | -0.29001 | 0.46485 | 6.4356  |
|        |                    | 6604 SADEVLFSGVK[134]                              |          |         |         |
|        |                    | 6605 TTLSTFQSPEFSVTR                               |          |         |         |
|        |                    | 6606 SADEVLFSGVK                                   |          |         |         |
|        |                    | 6607 TTLSTFQSPEFSVTR[162]                          |          |         |         |
| P62960 | P62960 YBOX1_MOUSE | Nuclease sensitive element-binding protein 1 -     | 0.04973  | 0.90807 | 20.4969 |
|        |                    | 6608 GAEEANVTGPGGVPVQGSK                           |          |         |         |
|        |                    | 6609 GAEEANVTGPGGVPVQGSK[134]                      |          |         |         |
|        |                    | 6610 SVGDGETVEFDVVEGEKGAEANVTGPGGVPVQGSK           |          |         |         |
|        |                    | 6611 RPQYSNPPVQGEVMEGADNQGAGEQGRPVR                |          |         |         |
|        |                    | 6612 R[162]PQYSNPPVQGEVMEGADNQGAGEQGR[162]PVR[162] |          |         |         |
| Q9D1Q6 | Q9D1Q6 TXND4_MOUSE | Thioredoxin domain-containing protein 4 prec       | -0.11447 | 0.77298 | 29.803  |
|        |                    | 6613 SNPVHEIQSLDEVTNLDR[162]                       |          |         |         |
|        |                    | 6614 SNPVHEIQSLDEVTNLDR                            |          |         |         |
|        |                    | 6615 NIIGYFEQKDSENYR                               |          |         |         |
|        |                    | 6616 YNGDNVIYK[134]PPGR[162]                       |          |         |         |
|        |                    | 6617 DDTESLEIFQNEVAR                               |          |         |         |
|        |                    | 6618 DDTESLEIFQNEVAR[162]                          |          |         |         |
|        |                    | 6619 NIIGYFEQK[134]DSENYR[162]                     |          |         |         |
|        |                    | 6620 YNGDNVIYKPPGR                                 |          |         |         |
|        |                    | 6621 QFVFDLHSGK[134]                               |          |         |         |
|        |                    | 6622 HPLLHIQK[134]                                 |          |         |         |

|        |                     |                                              |          |         |         |
|--------|---------------------|----------------------------------------------|----------|---------|---------|
|        |                     | 6623 QFVFDLHSGK                              |          |         |         |
|        |                     | 6624 HPLLHIQK                                |          |         |         |
|        |                     | 6625 HMYVFGDFKDVLP GK                        |          |         |         |
|        |                     | 6626 LK[134]QFVFDLHSGK[134]                  |          |         |         |
|        |                     | 6627 ISK[134]YPTLK[134]                      |          |         |         |
|        |                     | 6628 ISKYPTLK                                |          |         |         |
|        |                     | 6629 NIIGYFEQK[134]                          |          |         |         |
|        |                     | 6630 HMYVFGDFK[134]DVLIP GK[134]             |          |         |         |
|        |                     | 6631 YRISKYPTLK                              |          |         |         |
|        |                     | 6632 NIIGYFEQK                               |          |         |         |
|        |                     | 6633 LAPSEYR                                 |          |         |         |
|        |                     | 6634 LAPSEYR[162]                            |          |         |         |
|        |                     | 6635 ALADYIR[162]                            |          |         |         |
|        |                     | 6636 ALADYIR                                 |          |         |         |
| Q9ERN0 | Q9ERN0 SCAM2_MOUSE  | Secretory carrier-associated membrane protei | 0.05891  | 0.89119 | 10.6383 |
|        |                     | 6637 ELQNTAANLHVR                            |          |         |         |
|        |                     | 6638 TGASFQQAQEEFSQGIFSSR                    |          |         |         |
|        |                     | 6639 ELQNTAANLHVR[162]                       |          |         |         |
|        |                     | 6640 TGASFQQAQEEFSQGIFSSR[162]               |          |         |         |
|        |                     | 6641 ERELQNTAANLHVR                          |          |         |         |
|        |                     | 6642 RTGASFQQAQEEFSQGIFSSR                   |          |         |         |
|        |                     | 6643 R[162]TGASFQQAQEEFSQGIFSSR[162]         |          |         |         |
|        |                     | 6644 ER[162]ELQNTAANLHVR[162]                |          |         |         |
| A1L314 | A1L314 A1L314_MOUSE | Mpeg1 protein - Mus musculus                 | -1.76711 | 0.00001 | 8.4151  |
|        |                     | 6645 TTEDGQYIIPDEVYTIPQK[134]                |          |         |         |
|        |                     | 6646 GITNHLVAIDR[162]                        |          |         |         |
|        |                     | 6647 TTPTSELSLGFTK[134]                      |          |         |         |
|        |                     | 6648 GITNHLVAIDR                             |          |         |         |
|        |                     | 6649 TTPTSELSLGFTK                           |          |         |         |
|        |                     | 6650 TTEDGQYIIPDEVYTIPQK                     |          |         |         |
|        |                     | 6651 FSTEFQR[162]                            |          |         |         |

|        |                    |                                                 |          |         |         |
|--------|--------------------|-------------------------------------------------|----------|---------|---------|
|        |                    | 6652 LPGLPGPLVK[134]                            |          |         |         |
| P50396 | P50396 GDIA_MOUSE  | Rab GDP dissociation inhibitor alpha - Mus mu   | -0.15213 | 0.70143 | 6.4877  |
|        |                    | 6653 SPYLYPLYGLGELPQGFAR                        |          |         |         |
|        |                    | 6654 SPYLYPLYGLGELPQGFAR[162]                   |          |         |         |
|        |                    | 6655 IK[134]LYSESLAR[162]                       |          |         |         |
|        |                    | 6656 IKLYSESLAR                                 |          |         |         |
|        |                    | 6657 LYSESLAR[162]                              |          |         |         |
| Q61542 | Q61542 STAR3_MOUSE | StAR-related lipid transfer protein 3 - Mus mus | 0.27951  | 0.51629 | 6.7265  |
|        |                    | 6658 SNEYGDTVYTIEVPFHGK                         |          |         |         |
|        |                    | 6659 GENGPGGFIVLK[134]                          |          |         |         |
|        |                    | 6660 GENGPGGFIVLK                               |          |         |         |
| Q61598 | Q61598 GDIB_MOUSE  | Rab GDP dissociation inhibitor beta - Mus mus   | -0.05293 | 0.89387 | 8.9888  |
|        |                    | 6661 DLGTDSQIFISR[162]                          |          |         |         |
|        |                    | 6662 FVSISDLFVPK[134]                           |          |         |         |
|        |                    | 6663 DLGTDSQIFISR                               |          |         |         |
|        |                    | 6664 FVSISDLFVPK                                |          |         |         |
|        |                    | 6665 MLLFTEVTR[162]                             |          |         |         |
|        |                    | 6666 MLLFTEVTR                                  |          |         |         |
|        |                    | 6667 TFEGVDPK                                   |          |         |         |
| Q62433 | Q62433 NDRG1_MOUSE | Protein NDRG1 - Mus musculus                    | 0.63814  | 0.13837 | 22.8426 |
|        |                    | 6668 SVIGMGTGAGAYILTR                           |          |         |         |
|        |                    | 6669 ELHDVDLAEVKPLVEK                           |          |         |         |
|        |                    | 6670 LNITPNSGATGNNAGPK                          |          |         |         |
|        |                    | 6671 LNITPNSGATGNNAGPK[134]                     |          |         |         |
|        |                    | 6672 TASGSSVTSLEGTR                             |          |         |         |
|        |                    | 6673 TASGSSVTSLEGTR[162]                        |          |         |         |
|        |                    | 6674 GNRPVILTYHDIGMNHK                          |          |         |         |
|        |                    | 6675 ELHDVDLAEVK[134]PLVEK[134]                 |          |         |         |
|        |                    | 6676 GNR[162]PVILTYHDIGMNHK[134]                |          |         |         |
|        |                    | 6677 LDPTKTLLK                                  |          |         |         |
| Q6R0H7 | Q6R0H7 GNAS1_MOUSE | Guanine nucleotide-binding protein G(s) subur   | 0.31907  | 0.45873 | 8.9144  |

|        |                   |                                             |          |         |        |
|--------|-------------------|---------------------------------------------|----------|---------|--------|
|        |                   | 6678 IEDYFPEFAR                             |          |         |        |
|        |                   | 6679 QADYVPSDQDLLR                          |          |         |        |
|        |                   | 6680 SKIEDYFPEFAR                           |          |         |        |
|        |                   | 6681 VLTSGIFETK                             |          |         |        |
|        |                   | 6682 SK[134]IEDYFPEFAR[162]                 |          |         |        |
|        |                   | 6683 YTTPEDATPEPGEDPR[162]                  |          |         |        |
|        |                   | 6684 ILHVNGFN GEGGEDPQAAR                   |          |         |        |
|        |                   | 6685 YTTPEDATPEPGEDPR                       |          |         |        |
|        |                   | 6686 VLTSGIFETK[134]                        |          |         |        |
|        |                   | 6687 IEDYFPEFAR[162]                        |          |         |        |
|        |                   | 6688 QADYVPSDQDLLR[162]                     |          |         |        |
|        |                   | 6689 LQEALNLFK[134]                         |          |         |        |
|        |                   | 6690 ALWEDEGVR[162]                         |          |         |        |
|        |                   | 6691 ALWEDEGVR                              |          |         |        |
|        |                   | 6692 YTTPEDATPEPGEDPRVTR                    |          |         |        |
|        |                   | 6693 YFIRDEFLR                              |          |         |        |
| Q91VI7 | Q91VI7 RINI_MOUSE | Ribonuclease inhibitor - Mus musculus       | -0.34130 | 0.38971 | 4.8246 |
|        |                   | 6694 ASLQELDLSSNK[134]                      |          |         |        |
|        |                   | 6695 ASLQELDLSSNK                           |          |         |        |
|        |                   | 6696 ALSQPDTVLR                             |          |         |        |
| Q9CZ13 | Q9CZ13 QCR1_MOUSE | Cytochrome b-c1 complex subunit 1, mitochor | -0.00313 | 0.99371 | 18.125 |
|        |                   | 6697 MVLAAAGGVEHQQLDLAQK                    |          |         |        |
|        |                   | 6698 MVLAAAGGVEHQQLDLAQK[134]               |          |         |        |
|        |                   | 6699 VVELLADIVQNSSLEDSQIEKER                |          |         |        |
|        |                   | 6700 TDLTDYLN R                             |          |         |        |
|        |                   | 6701 EVESIGAHLNAYSTR                        |          |         |        |
|        |                   | 6702 IQEVDAQMLR                             |          |         |        |
|        |                   | 6703 VVELLADIVQNSSLEDSQIEK                  |          |         |        |
|        |                   | 6704 RIPLAEWESR                             |          |         |        |
|        |                   | 6705 R[162]IPLAEWESR[162]                   |          |         |        |
|        |                   | 6706 VVELLADIVQNSSLEDSQIEK[134]             |          |         |        |

|        |                   |                                          |          |         |         |
|--------|-------------------|------------------------------------------|----------|---------|---------|
| Q9D8N0 | Q9D8N0 EF1G_MOUSE | Elongation factor 1-gamma - Mus musculus | -0.27627 | 0.48627 | 14.4165 |
|        |                   | 6707 ALIAAQYSGAQVR[162]                  |          |         |         |
|        |                   | 6708 ALIAAQYSGAQVR                       |          |         |         |
|        |                   | 6709 KLDPGSEETQTLVR                      |          |         |         |
|        |                   | 6710 STFVLDEFK[134]R[162]                |          |         |         |
|        |                   | 6711 AK[134]DPFAHLPK[134]                |          |         |         |
|        |                   | 6712 ILGLLDTHLK[134]                     |          |         |         |
|        |                   | 6713 STFVLDEFKR                          |          |         |         |
|        |                   | 6714 ILGLLDTHLK                          |          |         |         |
|        |                   | 6715 AKDPFAHLPK                          |          |         |         |
|        |                   | 6716 K[134]LDPGSEETQTLVR[162]            |          |         |         |
|        |                   | 6717 LDPGSEETQTLVR                       |          |         |         |
|        |                   | 6718 TPEFLR                              |          |         |         |
| Q9JKB3 | Q9JKB3 DBPA_MOUSE | DNA-binding protein A - Mus musculus     | 0.10071  | 0.81509 | 16.3435 |
|        |                   | 6719 SVGDGETVEFDVVEGEK                   |          |         |         |
|        |                   | 6720 SVGDGETVEFDVVEGEK[134]              |          |         |         |
|        |                   | 6721 NDTKEDVFVHQTAIK                     |          |         |         |
|        |                   | 6722 EDVFVHQTAIK                         |          |         |         |
|        |                   | 6723 NGYGFINR[162]                       |          |         |         |
|        |                   | 6724 GAEEANVTGPDGVPVEGSR                 |          |         |         |
| P27659 | P27659 RL3_MOUSE  | 60S ribosomal protein L3 - Mus musculus  | 0.25271  | 0.55731 | 26.5509 |
|        |                   | 6725 DDASKPVHLTAFLGYK                    |          |         |         |
|        |                   | 6726 HGSLGFLPR                           |          |         |         |
|        |                   | 6727 HGSLGFLPR[162]                      |          |         |         |
|        |                   | 6728 NNASTDYDLSDK                        |          |         |         |
|        |                   | 6729 NNASTDYDLSDK[134]                   |          |         |         |
|        |                   | 6730 DDASK[134]PVHLTAFLGYK[134]          |          |         |         |
|        |                   | 6731 LEQQVPVNQVFGQDEMIDVIGVTK            |          |         |         |
|        |                   | 6732 KAFMGPLKK                           |          |         |         |
|        |                   | 6733 AGMTHIVR                            |          |         |         |
|        |                   | 6734 IGQGYLIK[134]DGK[134]               |          |         |         |

|        |                    |                                               |          |         |         |
|--------|--------------------|-----------------------------------------------|----------|---------|---------|
|        |                    | 6735 IGQGYLIK[134]                            |          |         |         |
|        |                    | 6736 IGQGYLIK                                 |          |         |         |
|        |                    | 6737 LIKNNASTDYDLSDK                          |          |         |         |
|        |                    | 6738 IGQGYLIKDGK                              |          |         |         |
|        |                    | 6739 SLLVQTK[134]                             |          |         |         |
|        |                    | 6740 FIDTTSK                                  |          |         |         |
|        |                    | 6741 SLLVQTK                                  |          |         |         |
|        |                    | 6742 KSLLVQTK                                 |          |         |         |
|        |                    | 6743 FIDTTSK[134]                             |          |         |         |
| P50580 | P50580 PA2G4_MOUSE | Proliferation-associated protein 2G4 - Mus mu | 0.01825  | 0.96620 | 12.4365 |
|        |                    | 6744 ITSGPFEPDLYKSEMEVQDAELK                  |          |         |         |
|        |                    | 6745 FDAMPFTLR                                |          |         |         |
|        |                    | 6746 AFFSEVER                                 |          |         |         |
|        |                    | 6747 ALLQSSASR                                |          |         |         |
|        |                    | 6748 ALLQSSASR[162]                           |          |         |         |
|        |                    | 6749 AFFSEVER[162]                            |          |         |         |
| Q91W90 | Q91W90 TXND5_MOUSE | Thioredoxin domain-containing protein 5 prec  | 0.09066  | 0.83326 | 12.7098 |
|        |                    | 6750 GYPTLLLFR[162]                           |          |         |         |
|        |                    | 6751 GYPTLLLFR                                |          |         |         |
|        |                    | 6752 SFEDTIAQGITFVK                           |          |         |         |
|        |                    | 6753 DLDSLHSFVLR                              |          |         |         |
|        |                    | 6754 GYPTLLWFR                                |          |         |         |
|        |                    | 6755 GYPTLLWFR[162]                           |          |         |         |
|        |                    | 6756 FFKPGQEAVK                               |          |         |         |
|        |                    | 6757 FFK[134]PGQEAVK[134]                     |          |         |         |
|        |                    | 6758 DLDSLHSFVLR[162]                         |          |         |         |
| Q9CR89 | Q9CR89 ERGI2_MOUSE | Endoplasmic reticulum-Golgi intermediate con  | -0.18657 | 0.63821 | 11.1406 |
|        |                    | 6759 SVPFADGHTDNHLPLENNTH                     |          |         |         |
|        |                    | 6760 MLQLIQSR                                 |          |         |         |
|        |                    | 6761 LQEEHSLQDVIFK[134]                       |          |         |         |
| P46471 | P46471 PRS7_MOUSE  | 26S protease regulatory subunit 7 - Mus musci | 0.12061  | 0.77942 | 4.6189  |

|        |                    |                                                 |          |         |         |
|--------|--------------------|-------------------------------------------------|----------|---------|---------|
|        |                    | 6762 ALDEGDIALLK                                |          |         |         |
|        |                    | 6763 ALDEGDIALLK[134]                           |          |         |         |
|        |                    | 6764 TYGQSTYSR                                  |          |         |         |
| O09159 | O09159 MA2B1_MOUSE | Lysosomal alpha-mannosidase precursor - Mu:     | 0.13046  | 0.76193 | 3.2577  |
|        |                    | 6765 FLQDTFGSDGLPR                              |          |         |         |
|        |                    | 6766 FLQDTFGSDGLPR[162]                         |          |         |         |
|        |                    | 6767 TLVNYFLK                                   |          |         |         |
|        |                    | 6768 ATFDSTGGLMK                                |          |         |         |
| O35685 | O35685 NUDC_MOUSE  | Nuclear migration protein nudC - Mus muscul     | -0.42536 | 0.28372 | 6.0241  |
|        |                    | 6769 LSDLDSETR                                  |          |         |         |
|        |                    | 6770 LVTSDPEINTK[134]                           |          |         |         |
|        |                    | 6771 LVTSDPEINTK                                |          |         |         |
| P60843 | P60843 IF4A1_MOUSE | Eukaryotic initiation factor 4A-I - Mus musculu | 0.17618  | 0.68245 | 34.2365 |
|        |                    | 6772 GFKDQIYDIFQK                               |          |         |         |
|        |                    | 6773 GIYAYGF EKPSAIQQR                          |          |         |         |
|        |                    | 6774 GIYAYGF EK[134]PSAIQQR[162]                |          |         |         |
|        |                    | 6775 GYDVIAQAQSGTGK                             |          |         |         |
|        |                    | 6776 GYDVIAQAQSGTGK[134]                        |          |         |         |
|        |                    | 6777 MFVLDEADEMLSR                              |          |         |         |
|        |                    | 6778 MFVLDEADEMLSR[162]                         |          |         |         |
|        |                    | 6779 VLITTDLLAR[162]                            |          |         |         |
|        |                    | 6780 LQMEAPHIIVGTPGR                            |          |         |         |
|        |                    | 6781 VLITTDLLAR                                 |          |         |         |
|        |                    | 6782 KGVAINMVTEEDKR                             |          |         |         |
|        |                    | 6783 DFTVSAMHGDMDQKER                           |          |         |         |
|        |                    | 6784 ATQALVLAPTR                                |          |         |         |
|        |                    | 6785 ATQALVLAPTR[162]                           |          |         |         |
|        |                    | 6786 KEELTLEGIR                                 |          |         |         |
|        |                    | 6787 LQMEAPHIIVGTPGR[162]                       |          |         |         |
|        |                    | 6788 KVDWLTEK                                   |          |         |         |
| P63037 | P63037 DNJA1_MOUSE | DnaJ homolog subfamily A member 1 - Mus m       | -0.62627 | 0.11449 | 6.5491  |

|        |                    |                                              |          |         |         |
|--------|--------------------|----------------------------------------------|----------|---------|---------|
|        |                    | 6789 QISQAYEVLADSK                           |          |         |         |
|        |                    | 6790 QISQAYEVLADSK[134]                      |          |         |         |
|        |                    | 6791 TIVITSHPGQIVK                           |          |         |         |
| P97807 | P97807 FUMH_MOUSE  | Fumarate hydratase, mitochondrial precursor  | -0.11118 | 0.77932 | 10.2564 |
|        |                    | 6792 AAAEVNQEYGLDPK[134]                     |          |         |         |
|        |                    | 6793 IYELAAGGTAVGTGLNTR[162]                 |          |         |         |
|        |                    | 6794 AIEMLGGEELGSK                           |          |         |         |
|        |                    | 6795 VLLPGLQK                                |          |         |         |
|        |                    | 6796 AAAEVNQEYGLDPK                          |          |         |         |
|        |                    | 6797 IYELAAGGTAVGTGLNTR                      |          |         |         |
| Q99LR1 | Q99LR1 ABD12_MOUSE | Abhydrolase domain-containing protein 12 - N | 0.37373  | 0.38547 | 26.6332 |
|        |                    | 6798 KLYNIAAPSR                              |          |         |         |
|        |                    | 6799 KRTEPVTLEHER                            |          |         |         |
|        |                    | 6800 RTEPVTLEHER                             |          |         |         |
|        |                    | 6801 LYNIAAPSR                               |          |         |         |
|        |                    | 6802 TEPVTLEHER                              |          |         |         |
|        |                    | 6803 VQFIPFHSDLGYR                           |          |         |         |
|        |                    | 6804 VLSSLGYHVVTFDYR                         |          |         |         |
|        |                    | 6805 SHPFSVIYR[162]                          |          |         |         |
|        |                    | 6806 ETPPDALILESPFTNIREEAK                   |          |         |         |
|        |                    | 6807 FANDENMK                                |          |         |         |
|        |                    | 6808 SHPFSVIYR                               |          |         |         |
|        |                    | 6809 SPELPR                                  |          |         |         |
|        |                    | 6810 GWGDSVGTPSER                            |          |         |         |
| Q9D8E6 | Q9D8E6 RL4_MOUSE   | 60S ribosomal protein L4 - Mus musculus      | 0.38611  | 0.36993 | 36.9928 |
|        |                    | 6811 KLEAAATALATK                            |          |         |         |
|        |                    | 6812 K[134]LEAAATALATK[134]                  |          |         |         |
|        |                    | 6813 VKKLEAAATALATK                          |          |         |         |
|        |                    | 6814 APIRPDIVNFVHTNLR                        |          |         |         |
|        |                    | 6815 APIR[162]PDIVNFVHTNLR[162]              |          |         |         |
|        |                    | 6816 NNRQPYAVSELAGHQSAESWGTGR                |          |         |         |



6817 QPYAVSELAGHQTSAESWTGR  
 6818 LEAAATALATK  
 6819 APIRPDIVNFVHTNLRK  
 6820 K[134]LDELYGTWR[162]  
 6821 NIPGITLLNVSK  
 6822 KLDELYGTWR  
 6823 IEEVPELPLVVEDK  
 6824 QPYAVSELAGHQTSAESWTGR[162]  
 6825 IEEVPELPLVVEDK[134]  
 6826 SNYNLPMHK[134]  
 6827 IEEVPELPLVVEDKVEGYKK  
 6828 MMNTDLSR  
 6829 NIPGITLLNVSK[134]  
 6830 SNYNLPMHK  
 6831 MMNTDLSR[162]  
 6832 EAVQLLK[134]K[134]  
 6833 LEAAATALATK[134]  
 6834 TKEAVQLLKK  
 6835 EAVQLLKK  
 6836 NVTLPVAFK  
 6837 GHRIEEVPELPLVVEDK  
 6838 LKAWNDIKK  
 6839 NVTLPVAFK[134]  
 6840 AWNDIKK  
 6841 ILK[134]SPEIQR[162]  
 6842 TKEAVQLLK  
 6843 K[134]LEAAATALATK  
 6844 VLISTDVWAR  
 6845 ETQALILAPTR  
 6846 ELAVQIQK[134]

|        |                    |                                                  |          |         |       |
|--------|--------------------|--------------------------------------------------|----------|---------|-------|
| Q91VC3 | Q91VC3 IF4A3_MOUSE | Eukaryotic initiation factor 4A-III - Mus muscul | -0.45451 | 0.25202 | 7.056 |
|--------|--------------------|--------------------------------------------------|----------|---------|-------|

|        |                     |                                                   |          |         |         |
|--------|---------------------|---------------------------------------------------|----------|---------|---------|
| P14206 | P14206 RSSA_MOUSE   | 40S ribosomal protein SA - Mus musculus           | -0.17440 | 0.66028 | 12.8814 |
|        |                     | 6847 AIVAIENPADVSVISSR                            |          |         |         |
|        |                     | 6848 AIVAIENPADVSVISSR[162]                       |          |         |         |
|        |                     | 6849 FAAATGATPIAGR                                |          |         |         |
|        |                     | 6850 FAAATGATPIAGR[162]                           |          |         |         |
|        |                     | 6851 LLVVDPR                                      |          |         |         |
|        |                     | 6852 LLVVDPR[162]                                 |          |         |         |
| P16330 | P16330 CN37_MOUSE   | 2',3'-cyclic-nucleotide 3'-phosphodiesterase - I  | 0.50821  | 0.23794 | 7.381   |
|        |                     | 6853 GGSQGEAVGELPR                                |          |         |         |
|        |                     | 6854 GGSQGEAVGELPR[162]                           |          |         |         |
|        |                     | 6855 AIFTGYYGK                                    |          |         |         |
|        |                     | 6856 LELVSYFGK[134]                               |          |         |         |
| Q04447 | Q04447 KCRB_MOUSE   | Creatine kinase B-type - Mus musculus             | 0.40652  | 0.34517 | 9.7113  |
|        |                     | 6857 GTGGVDTAAVGGVFDVSNADR                        |          |         |         |
|        |                     | 6858 LAVEALSSLDGDLGR                              |          |         |         |
|        |                     | 6859 LAVEALSSLDGDLGR[162]                         |          |         |         |
| Q07076 | Q07076 ANXA7_MOUSE  | Annexin A7 - Mus musculus                         | 0.79983  | 0.06326 | 12.959  |
|        |                     | 6860 GFGTDEQAIVDVVSNR                             |          |         |         |
|        |                     | 6861 GFGTDEQAIVDVVSNR[162]                        |          |         |         |
|        |                     | 6862 TLSTMIASDTSGDYRK                             |          |         |         |
|        |                     | 6863 SEIDLQIK[134]                                |          |         |         |
|        |                     | 6864 SEIDLQIK                                     |          |         |         |
|        |                     | 6865 DLLSSVSR                                     |          |         |         |
|        |                     | 6866 GAGTDDSTLVR[162]                             |          |         |         |
|        |                     | 6867 GAGTDDSTLVR                                  |          |         |         |
| Q8BFR5 | Q8BFR5 EFTU_MOUSE   | Elongation factor Tu, mitochondrial precursor     | -0.82129 | 0.03847 | 5.7522  |
|        |                     | 6868 AEAGDNLGALVR[162]                            |          |         |         |
|        |                     | 6869 LLDAVDTYIPVPTR[162]                          |          |         |         |
|        |                     | 6870 LLDAVDTYIPVPTR                               |          |         |         |
| Q8BFZ3 | Q8BFZ3 Q8BFZ3_MOUSE | 10 days neonate skin cDNA, RIKEN full-length cDNA | -0.28935 | 0.46587 | 6.117   |
|        |                     | 6871 HQGVMVGMGQKDCYVGDEAQS                        |          |         |         |

|        |                    |                                             |          |         |         |
|--------|--------------------|---------------------------------------------|----------|---------|---------|
|        |                    | 6872 HQGVMVGMGQKDCYVGDEAQSKR                |          |         |         |
|        |                    | 6873 HQGVMVGMGQK[134]DCYVGDEAQSK[134]       |          |         |         |
|        |                    | 6874 HQGVMVGMGQK[134]DCYVGDEAQSK[134]R[162] |          |         |         |
| Q9D7N9 | Q9D7N9 APMAP_MOUSE | Adipocyte plasma membrane-associated prote  | 0.18817  | 0.66213 | 15.4217 |
|        |                    | 6875 LLSSETPIEGK[134]K[134]                 |          |         |         |
|        |                    | 6876 LLSSETPIEGK[134]                       |          |         |         |
|        |                    | 6877 LLSSETPIEGK                            |          |         |         |
|        |                    | 6878 RPLRPQVVTDDGQVPEVK                     |          |         |         |
|        |                    | 6879 R[162]PLR[162]PQVVTDDGQVPEVK[134]      |          |         |         |
|        |                    | 6880 VVKLENGEIETIAR                         |          |         |         |
|        |                    | 6881 LLEYDTVTK                              |          |         |         |
|        |                    | 6882 GLFEVNPQKR                             |          |         |         |
| Q9DCD0 | Q9DCD0 6PGD_MOUSE  | 6-phosphogluconate dehydrogenase, decarbo:  | 0.19757  | 0.64638 | 7.6605  |
|        |                    | 6883 GILFVGSGVSGGEEGAR                      |          |         |         |
|        |                    | 6884 GILFVGSGVSGGEEGAR[162]                 |          |         |         |
|        |                    | 6885 AGQAVDDFIEK                            |          |         |         |
|        |                    | 6886 AIFQAIAAK                              |          |         |         |
|        |                    | 6887 AGQAVDDFIEK[134]                       |          |         |         |
| P16460 | P16460 ASSY_MOUSE  | Argininosuccinate synthase - Mus musculus   | -0.08053 | 0.83917 | 9.2233  |
|        |                    | 6888 MPEFYNR[162]                           |          |         |         |
|        |                    | 6889 MPEFYNR                                |          |         |         |
|        |                    | 6890 QHGIPIPVTPK                            |          |         |         |
|        |                    | 6891 TQDPAKAPNSPDVLEIEFK                    |          |         |         |
|        |                    | 6892 TQDPAKAPNSPDVLEIEFKK                   |          |         |         |
|        |                    | 6893 APNSPDVLEIEFKK                         |          |         |         |
| Q8BKE6 | Q8BKE6 CP20A_MOUSE | Cytochrome P450 20A1 - Mus musculus         | 0.11069  | 0.79714 | 12.3377 |
|        |                    | 6894 SLLGYQSGGGSAGEDHVR                     |          |         |         |
|        |                    | 6895 EIDQVLGEGPITSEK                        |          |         |         |
|        |                    | 6896 SLLGYQSGGGSAGEDHVR[162]                |          |         |         |
|        |                    | 6897 QASGIPGLTPTEEK                         |          |         |         |
|        |                    | 6898 TSDPFETMLK                             |          |         |         |

|        |                    |                                           |         |         |         |
|--------|--------------------|-------------------------------------------|---------|---------|---------|
| Q8VC04 | Q8VC04 T106A_MOUSE | Transmembrane protein 106A - Mus musculus | 0.22998 | 0.59330 | 14.5594 |
|        |                    | 6899 LHIGPLASEQMPYEVASR                   |         |         |         |
|        |                    | 6900 QLVALIPYGDQR[162]                    |         |         |         |
|        |                    | 6901 QLVALIPYGDQR                         |         |         |         |
|        |                    | 6902 ILDENTYK                             |         |         |         |
|        |                    | 6903 LHIGPLASEQMPYEVASR[162]              |         |         |         |
| P09411 | P09411 PGK1_MOUSE  | Phosphoglycerate kinase 1 - Mus musculus  | 0.65148 | 0.13032 | 51.7986 |
|        |                    | 6904 LGDVYVNDAFGTAHR                      |         |         |         |
|        |                    | 6905 AHSSMVGVNLPQK                        |         |         |         |
|        |                    | 6906 AHSSMVGVNLPQK[134]                   |         |         |         |
|        |                    | 6907 ALESPERPFLAILGGAK                    |         |         |         |
|        |                    | 6908 ALESPER[162]PFLAILGGAK[134]          |         |         |         |
|        |                    | 6909 LGDVYVNDAFGTAHR[162]                 |         |         |         |
|        |                    | 6910 ITLPVDFVTADKFDENAK                   |         |         |         |
|        |                    | 6911 ITLPVDFVTADK[134]FDENAK[134]         |         |         |         |
|        |                    | 6912 VLNNMEIGTSLYDEEGAK                   |         |         |         |
|        |                    | 6913 VLNNMEIGTSLYDEEGAK[134]              |         |         |         |
|        |                    | 6914 VLPGVDALSNV                          |         |         |         |
|        |                    | 6915 VDFNVPMK[134]NNQITNNQR[162]          |         |         |         |
|        |                    | 6916 VSHVSTGGGASLELLEGK                   |         |         |         |
|        |                    | 6917 WNTEDKVSHVSTGGGASLELLEGK             |         |         |         |
|        |                    | 6918 AGGFLMKK                             |         |         |         |
|        |                    | 6919 YAEAVGR                              |         |         |         |
|        |                    | 6920 VDFNVPMKNNQITNNQR                    |         |         |         |
|        |                    | 6921 AEPAKIDAFR                           |         |         |         |
|        |                    | 6922 AGGFLMK                              |         |         |         |
|        |                    | 6923 SLLGK[134]DVLFLK[134]                |         |         |         |
|        |                    | 6924 YSLEPVAAELK                          |         |         |         |
|        |                    | 6925 VKAEPKIDAFR                          |         |         |         |
|        |                    | 6926 VDFNVPMK                             |         |         |         |
|        |                    | 6927 LTLDKLDVK                            |         |         |         |

|        |                   |                                            |          |         |         |
|--------|-------------------|--------------------------------------------|----------|---------|---------|
|        |                   | 6928 SLMDEVVK[134]                         |          |         |         |
|        |                   | 6929 AEPK[134]IDAFR[162]                   |          |         |         |
|        |                   | 6930 VDFNVPMK[134]                         |          |         |         |
|        |                   | 6931 SLLGKDVFLK                            |          |         |         |
|        |                   | 6932 YSLEPVAAELK[134]                      |          |         |         |
|        |                   | 6933 FHVEEEGKGK                            |          |         |         |
|        |                   | 6934 SLMDEVVK                              |          |         |         |
|        |                   | 6935 ELNYFAK[134]                          |          |         |         |
|        |                   | 6936 LTLDK[134]LDVK[134]                   |          |         |         |
|        |                   | 6937 ELNYFAK                               |          |         |         |
| Q62087 | Q62087 PON3_MOUSE | Serum paraoxonase/lactonase 3 - Mus muscul | -0.06781 | 0.86431 | 24.5763 |
|        |                   | 6938 LLIYNPEDPPGSEVLR[162]                 |          |         |         |
|        |                   | 6939 LLIYNPEDPPGSEVLR                      |          |         |         |
|        |                   | 6940 FVYVADVTAK                            |          |         |         |
|        |                   | 6941 FVYVADVTAK[134]                       |          |         |         |
|        |                   | 6942 IQDSLSDKPR                            |          |         |         |
|        |                   | 6943 IQDSLSDK[134]PR[162]                  |          |         |         |
|        |                   | 6944 SVNDIVVLGPEQFYATR                     |          |         |         |
|        |                   | 6945 YPGMPAFAPDKPGR                        |          |         |         |
|        |                   | 6946 MLIGTIFHK[134]                        |          |         |         |
|        |                   | 6947 KHDNWDLTVPK                           |          |         |         |
|        |                   | 6948 MLIGTIFHK                             |          |         |         |
| P24452 | P24452 CAPG_MOUSE | Macrophage-capping protein - Mus musculus  | -0.45481 | 0.25171 | 24.4318 |
|        |                   | 6949 EVQGNESDLFMSYFPR                      |          |         |         |
|        |                   | 6950 EVQGNESDLFMSYFPR[162]                 |          |         |         |
|        |                   | 6951 QAALQVADGFISR                         |          |         |         |
|        |                   | 6952 QAALQVADGFISR[162]                    |          |         |         |
|        |                   | 6953 VSDATGQMNLTK                          |          |         |         |
|        |                   | 6954 VSDATGQMNLTK[134]                     |          |         |         |
|        |                   | 6955 YSPNTQVEILPQGR                        |          |         |         |
|        |                   | 6956 YSPNTQVEILPQGR[162]                   |          |         |         |

|        |                     |                                               |          |         |         |
|--------|---------------------|-----------------------------------------------|----------|---------|---------|
|        |                     | 6957 LK[134]PVPIAR[162]                       |          |         |         |
|        |                     | 6958 MRYSPNTQVEILPQGR                         |          |         |         |
|        |                     | 6959 EGGVESAFHK                               |          |         |         |
|        |                     | 6960 MR[162]YSPNTQVEILPQGR[162]               |          |         |         |
|        |                     | 6961 DLALAIRDSER                              |          |         |         |
|        |                     | 6962 DLALAIR[162]DSER[162]                    |          |         |         |
| P42208 | P42208 SEPT2_MOUSE  | Septin-2 - Mus musculus                       | 0.22981  | 0.59358 | 14.6814 |
|        |                     | 6963 ASIPFSVVGSNQLIEAK                        |          |         |         |
|        |                     | 6964 ASIPFSVVGSNQLIEAK[134]                   |          |         |         |
|        |                     | 6965 ILDEIEEHSIK                              |          |         |         |
|        |                     | 6966 ILDEIEEHSIK[134]                         |          |         |         |
|        |                     | 6967 VNIVPVIK[134]                            |          |         |         |
|        |                     | 6968 KVENEDMNKDQILLEK                         |          |         |         |
|        |                     | 6969 VNIVPVIK                                 |          |         |         |
| P55302 | P55302 AMRP_MOUSE   | Alpha-2-macroglobulin receptor-associated pr  | -0.86984 | 0.02837 | 9.7222  |
|        |                     | 6970 VSHQGYGSTTEFEPR[162]                     |          |         |         |
|        |                     | 6971 K[134]VSHQGYGSTTEFEPR[162]               |          |         |         |
|        |                     | 6972 VSHQGYGSTTEFEPR                          |          |         |         |
|        |                     | 6973 LIHNLNVILAR[162]                         |          |         |         |
|        |                     | 6974 YVLLEEK[134]                             |          |         |         |
|        |                     | 6975 LIHNLNVILAR                              |          |         |         |
| Q3TNN6 | Q3TNN6 Q3TNN6_MOUSE | 10 days neonate olfactory brain cDNA, RIKEN f | -0.35497 | 0.37100 | 12.894  |
|        |                     | 6976 EGNPEEDITADQTNAQAAALYK                   |          |         |         |
|        |                     | 6977 TTSGATPAAIR[162]                         |          |         |         |
|        |                     | 6978 TTSGATPAAIR                              |          |         |         |
|        |                     | 6979 YREGGVESAFHK                             |          |         |         |
| Q62086 | Q62086 PON2_MOUSE   | Serum paraoxonase/arylesterase 2 - Mus musc   | 0.41460  | 0.33566 | 10.7345 |
|        |                     | 6980 LFVYHPNHPPASEVLR                         |          |         |         |
|        |                     | 6981 FQEEENSLHLK                              |          |         |         |
|        |                     | 6982 LFVYHPNHPPASEVLR[162]                    |          |         |         |
|        |                     | 6983 KLLVGTLYQK                               |          |         |         |

|        |                    |                                                |          |         |         |
|--------|--------------------|------------------------------------------------|----------|---------|---------|
|        |                    | 6984 LLVGTLYQK                                 |          |         |         |
| Q8BFZ9 | Q8BFZ9 ERLN2_MOUSE | Erlin-2 precursor - Mus musculus               | 0.12061  | 0.77942 | 30.5882 |
|        |                    | 6985 DIPNMFMD\$AGGLGK                          |          |         |         |
|        |                    | 6986 DIPNMFMD\$AGGLGK[134]                     |          |         |         |
|        |                    | 6987 KISEIEDAAFLAR                             |          |         |         |
|        |                    | 6988 LTPEYLQLMK[134]                           |          |         |         |
|        |                    | 6989 VAQVAEITYGQK                              |          |         |         |
|        |                    | 6990 VAQVAEITYGQK[134]                         |          |         |         |
|        |                    | 6991 ALIEAEKVAQVAEITYGQK                       |          |         |         |
|        |                    | 6992 QFEGLSDDKLGFGL\$E\$PLE\$PTKEN             |          |         |         |
|        |                    | 6993 VTK[134]PNIPEAIR[162]R[162]               |          |         |         |
|        |                    | 6994 NYELMESEK                                 |          |         |         |
|        |                    | 6995 NYELMESEK[134]                            |          |         |         |
|        |                    | 6996 LTPEYLQLMK                                |          |         |         |
|        |                    | 6997 VTKPNIPEAIR                               |          |         |         |
| Q8BMD8 | Q8BMD8 SCMC1_MOUSE | Calcium-binding mitochondrial carrier protein  | -0.24904 | 0.53025 | 4.6316  |
|        |                    | 6998 QLLAGGVAGAVSR                             |          |         |         |
|        |                    | 6999 SMNIFGGFR[162]                            |          |         |         |
|        |                    | 7000 SMNIFGGFR                                 |          |         |         |
|        |                    | 7001 QLLAGGVAGAVSR[162]                        |          |         |         |
| Q9CZU6 | Q9CZU6 CISY_MOUSE  | Citrate synthase, mitochondrial precursor - Mt | -0.19885 | 0.61627 | 12.7155 |
|        |                    | 7002 EGSSIGAIDSR                               |          |         |         |
|        |                    | 7003 GLVYETSVLDPDEGIR                          |          |         |         |
|        |                    | 7004 GLVYETSVLDPDEGIR[162]                     |          |         |         |
|        |                    | 7005 IVPNILLEQGK[134]                          |          |         |         |
|        |                    | 7006 EGSSIGAIDSR[162]                          |          |         |         |
|        |                    | 7007 IVPNILLEQGK                               |          |         |         |
|        |                    | 7008 ALGFPLERPK                                |          |         |         |
|        |                    | 7009 ALGFPLER[162]PK[134]                      |          |         |         |
|        |                    | 7010 VVPGYGHAVLR                               |          |         |         |
|        |                    | 7011 VVPGYGHAVLR[162]                          |          |         |         |

|        |                    |                                             |         |         |         |
|--------|--------------------|---------------------------------------------|---------|---------|---------|
| Q9DB77 | Q9DB77 QCR2_MOUSE  | Cytochrome b-c1 complex subunit 2, mitochor | 0.18344 | 0.67012 | 35.0993 |
|        |                    | 7012 AVAQGNLSSADVQAAK                       |         |         |         |
|        |                    | 7013 AVAQGNLSSADVQAAK[134]                  |         |         |         |
|        |                    | 7014 GNNTTSLLSQSVAK                         |         |         |         |
|        |                    | 7015 GNNTTSLLSQSVAK[134]                    |         |         |         |
|        |                    | 7016 ILENLHDVAYK                            |         |         |         |
|        |                    | 7017 ILENLHDVAYK[134]                       |         |         |         |
|        |                    | 7018 SMAASGNLGHTPFLDEL                      |         |         |         |
|        |                    | 7019 ENMAYTVEGIR                            |         |         |         |
|        |                    | 7020 AVAFQNSQTR[162]                        |         |         |         |
|        |                    | 7021 MALVGLGVSHSVLK                         |         |         |         |
|        |                    | 7022 MALVGLGVSHSVLK[134]                    |         |         |         |
|        |                    | 7023 TSAAPGGVPLQPQDLEFTK                    |         |         |         |
|        |                    | 7024 YEDSNNLGTSHELLR                        |         |         |         |
|        |                    | 7025 YEDSNNLGTSHELLR[162]                   |         |         |         |
|        |                    | 7026 ITSEELHYFVQNHFTSAR                     |         |         |         |
|        |                    | 7027 ITSEELHYFVQNHFTSAR[162]                |         |         |         |
|        |                    | 7028 AVAFQNSQTR                             |         |         |         |
|        |                    | 7029 ENMAYTVEGIR[162]                       |         |         |         |
|        |                    | 7030 QVAEQFLNMR                             |         |         |         |
|        |                    | 7031 AGSRYEDSNNLGTSHELLR                    |         |         |         |
|        |                    | 7032 AGSR[162]YEDSNNLGTSHELLR[162]          |         |         |         |
|        |                    | 7033 R[162]GNNTTSLLSQSVAK[134]              |         |         |         |
|        |                    | 7034 QVAEQFLNMR[162]                        |         |         |         |
|        |                    | 7035 RGNNTTSLLSQSVAK                        |         |         |         |
|        |                    | 7036 TSAAPGGVPLQPQDLEFTK[134]               |         |         |         |
| Q9QYI4 | Q9QYI4 DJB12_MOUSE | DnaJ homolog subfamily B member 12 - Mus n  | 0.51575 | 0.23105 | 6.6489  |
|        |                    | 7037 AIGTAYAVLSNPEK                         |         |         |         |
|        |                    | 7038 AIGTAYAVLSNPEK[134]                    |         |         |         |
|        |                    | 7039 AIGTAYAVLSNPEKR                        |         |         |         |
|        |                    | 7040 LSEVQASLHG                             |         |         |         |



|        |                     |                                                                                                                                                                                                                                                                                                                                                                                 |          |         |         |
|--------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------|---------|
| Q9WUQ2 | Q9WUQ2 PREB_MOUSE   | Prolactin regulatory element-binding protein -<br>7041 NLEAVQTDFSNEPLQK[134]<br>7042 APFPLYALR<br>7043 TGLLIAAGGGGAAG<br>7044 APFPLYALR[162]<br>7045 FGQVPDQLGGLR<br>7046 NLEAVQTDFSNEPLQK<br>7047 FGQVPDQLGGLR[162]                                                                                                                                                            | 0.21119  | 0.62384 | 12.2302 |
| P10605 | P10605 CATB_MOUSE   | Cathepsin B precursor - Mus musculus<br>7048 TDQYWGR[162]F<br>7049 TDQYWGRF<br>7050 VAFGEDIDLPEFDAR[162]<br>7051 VAFGEDIDLPEFDAR<br>7052 NGPVEGAFTVFSDFLTYK<br>7053 NGPVEGAFTVFSDFLTYK[134]<br>7054 SC[174]EAGYSPSYK[134]EDK[134]<br>7055 SC[174]EAGYSPSYK[134]<br>7056 EQWSNC[174]PTIGQIR[162]<br>7057 EQWSNC[174]PTIGQIR<br>7058 SC[174]EAGYSPSYK<br>7059 SC[174]EAGYSPSYKEDK | -0.16590 | 0.67587 | 20.354  |
| Q3TXY2 | Q3TXY2 Q3TXY2_MOUSE | Visual cortex cDNA, RIKEN full-length enriched<br>7060 RVHPALDTYIK<br>7061 SIAVYYDNPHTVPPEK<br>7062 ETSATTLSPGAGNR<br>7063 SIAVYYDNPHTVPPEK[134]<br>7064 LLGPPRELSTPERGEE<br>7065 LLGPPR[162]ELSTPER[162]GEE                                                                                                                                                                    | 1.32001  | 0.00217 | 21.0332 |
| Q8VCN5 | Q8VCN5 CGL_MOUSE    | Cystathionine gamma-lyase - Mus musculus<br>7066 LVWIETPTNPTLK<br>7067 ATLGINDTLIR                                                                                                                                                                                                                                                                                              | 0.15960  | 0.71092 | 8.794   |

|        |                     |                                              |         |         |         |
|--------|---------------------|----------------------------------------------|---------|---------|---------|
|        |                     | 7068 ATLGINDTLIR[162]                        |         |         |         |
|        |                     | 7069 LLEAAITPQTK[134]                        |         |         |         |
| Q99LS5 | Q99LS5 Q99LS5_MOUSE | Tex264 protein - Mus musculus                | 1.27949 | 0.00297 | 4.5307  |
|        |                     | 7070 QGDFYVPEVK                              |         |         |         |
|        |                     | 7071 QGDFYVPEVK[134]                         |         |         |         |
|        |                     | 7072 QGDFYVPEVKETER                          |         |         |         |
| P16858 | P16858 G3P_MOUSE    | Glyceraldehyde-3-phosphate dehydrogenase -   | 0.05574 | 0.89702 | 33.9339 |
|        |                     | 7073 GAAQNIIPASTGAAK                         |         |         |         |
|        |                     | 7074 LISWYDNEYGYSNR                          |         |         |         |
|        |                     | 7075 LISWYDNEYGYSNR[162]                     |         |         |         |
|        |                     | 7076 VVDLMAYMASK                             |         |         |         |
|        |                     | 7077 RVIISAPSADAPMFVMGVNHEK                  |         |         |         |
|        |                     | 7078 WGEAGAEYVVESTGVFTTMEK                   |         |         |         |
|        |                     | 7079 VIISAPSADAPMFVMGVNHEKYDNSLK             |         |         |         |
|        |                     | 7080 GAAQNIIPASTGAAK[134]                    |         |         |         |
|        |                     | 7081 VVDLMAYMASK[134]E                       |         |         |         |
|        |                     | 7082 VVDLMAYMASKE                            |         |         |         |
|        |                     | 7083 VIISAPSADAPMFVMGVNHEK[134]              |         |         |         |
|        |                     | 7084 VIISAPSADAPMFVMGVNHEK                   |         |         |         |
|        |                     | 7085 LVINGK[134]PITIFQER[162]DPTNIK[134]     |         |         |         |
|        |                     | 7086 DGRGAAQNIIPASTGAAK                      |         |         |         |
|        |                     | 7087 VVDLMAYMASK[134]                        |         |         |         |
| P05064 | P05064 ALDOA_MOUSE  | Fructose-bisphosphate aldolase A - Mus musci | 0.16194 | 0.70689 | 35.4396 |
|        |                     | 7088 GILAADESTGSIK[134]                      |         |         |         |
|        |                     | 7089 GILAADESTGSIK                           |         |         |         |
|        |                     | 7090 GILAADESTGSIKR                          |         |         |         |
|        |                     | 7091 IGEHTPSALAIMENANVLAR[162]               |         |         |         |
|        |                     | 7092 YTPSGQSGAAASESLFISNHAY                  |         |         |         |
|        |                     | 7093 IGEHTPSALAIMENANVLAR                    |         |         |         |
|        |                     | 7094 IVAPGKGILAADESTGSIK                     |         |         |         |
|        |                     | 7095 IVAPGK[134]GILAADESTGSIK[134]           |         |         |         |

|        |                    |                                                |          |         |         |
|--------|--------------------|------------------------------------------------|----------|---------|---------|
|        |                    | 7096 GILAADESTGSIK[134]R[162]                  |          |         |         |
|        |                    | 7097 RLQSIGTENTEENRR                           |          |         |         |
|        |                    | 7098 IVAPGKGILAADESTGSIKR                      |          |         |         |
|        |                    | 7099 AAQEYIKR                                  |          |         |         |
|        |                    | 7100 AAQEYIK[134]R[162]                        |          |         |         |
|        |                    | 7101 FSNEEIAMATVTALR[162]R[162]                |          |         |         |
|        |                    | 7102 FSNEEIAMATVTALRR                          |          |         |         |
|        |                    | 7103 ELSDIAHR                                  |          |         |         |
|        |                    | 7104 LQSIGTENTEENRR                            |          |         |         |
|        |                    | 7105 ADDGRFPQVIK                               |          |         |         |
|        |                    | 7106 ELSDIAHR[162]                             |          |         |         |
|        |                    | 7107 ADDGR[162]PFPQVIK[134]                    |          |         |         |
|        |                    | 7108 VLAAYK[134]                               |          |         |         |
| P32233 | P32233 DRG1_MOUSE  | Developmentally-regulated GTP-binding prote    | -0.41100 | 0.30029 | 14.7139 |
|        |                    | 7109 IGFVGFPSVGK                               |          |         |         |
|        |                    | 7110 IIELEGFGIR                                |          |         |         |
|        |                    | 7111 GGGGGPGEGFDVAK                            |          |         |         |
|        |                    | 7112 GQLPDYTSPVLPYSR                           |          |         |         |
| P62334 | P62334 PRS10_MOUSE | 26S protease regulatory subunit S10B - Mus m   | 0.21619  | 0.61565 | 6.9409  |
|        |                    | 7113 HGEIDYEAIVK                               |          |         |         |
|        |                    | 7114 HGEIDYEAIVK[134]                          |          |         |         |
|        |                    | 7115 VVSSIVDKYIGESAR                           |          |         |         |
| Q60854 | Q60854 SPB6_MOUSE  | Serpin B6 - Mus musculus                       | -0.43986 | 0.26763 | 9.2593  |
|        |                    | 7116 GTTASQMAQALALDK[134]                      |          |         |         |
|        |                    | 7117 GTTASQMAQALALDK                           |          |         |         |
|        |                    | 7118 MTYIGEFTK                                 |          |         |         |
|        |                    | 7119 MTYIGEFTK[134]                            |          |         |         |
|        |                    | 7120 LGMTDAFGGR[162]                           |          |         |         |
| Q8QZT1 | Q8QZT1 THIL_MOUSE  | Acetyl-CoA acetyltransferase, mitochondrial pi | 0.39839  | 0.35490 | 5.8962  |
|        |                    | 7121 LGTAAIQGAIEK                              |          |         |         |
|        |                    | 7122 LGTAAIQGAIEK[134]                         |          |         |         |

|        |                    |                                             |          |         |         |
|--------|--------------------|---------------------------------------------|----------|---------|---------|
| Q99KV1 | Q99KV1 DJB11_MOUSE | 7123 FASEITPITISVK                          | -0.49339 | 0.21370 | 15.0838 |
|        |                    | DnaJ homolog subfamily B member 11 precurs  |          |         |         |
|        |                    | 7124 FQDLGAAYEVLSDSEK                       |          |         |         |
|        |                    | 7125 FQDLGAAYEVLSDSEK[134]                  |          |         |         |
|        |                    | 7126 FQDLGAAYEVLSDSEK[134]R[162]            |          |         |         |
|        |                    | 7127 LALQLHPDRNPDDPQAQEK                    |          |         |         |
|        |                    | 7128 LALQLHPDR[162]NPDDPQAQEK[134]          |          |         |         |
|        |                    | 7129 TLEVEIEPGVR[162]                       |          |         |         |
|        |                    | 7130 TLEVEIEPGVR                            |          |         |         |
|        |                    | 7131 FQDLGAAYEVLSDSEKR                      |          |         |         |
|        |                    | 7132 KLALQLHPDRNPDDPQAQEK                   |          |         |         |
|        |                    | 7133 ILGVPR                                 |          |         |         |
|        |                    | 7134 ILGVPR[162]                            |          |         |         |
| Q9DBS1 | Q9DBS1 TMM43_MOUSE | Transmembrane protein 43 - Mus musculus     | -0.05799 | 0.88381 | 9       |
|        |                    | 7135 LVHIIGALR                              |          |         |         |
|        |                    | 7136 LLSDPNYGVHLPVAVK                       |          |         |         |
|        |                    | 7137 LVHIIGALR[162]                         |          |         |         |
|        |                    | 7138 VTSEPQPGFLER                           |          |         |         |
|        |                    | 7139 VTSEPQPGFLER[162]                      |          |         |         |
|        |                    | 7140 LLSDPNYGVHLPVAVK[134]                  |          |         |         |
| Q9JHJ0 | Q9JHJ0 TMOD3_MOUSE | Tropomodulin-3 - Mus musculus               | -0.77533 | 0.05070 | 8.8068  |
|        |                    | 7141 FGYQFTQQGPR                            |          |         |         |
|        |                    | 7142 LVEVNLNNIK                             |          |         |         |
|        |                    | 7143 LVEVNLNNIK[134]                        |          |         |         |
|        |                    | 7144 FGYQFTQQGPR[162]                       |          |         |         |
|        |                    | 7145 MLEENTNILK                             |          |         |         |
| Q9Z204 | Q9Z204 HNRPC_MOUSE | Heterogeneous nuclear ribonucleoproteins C1 | -0.38708 | 0.32930 | 16.6134 |
|        |                    | 7146 VFIGNLNTLVVK                           |          |         |         |
|        |                    | 7147 VFIGNLNTLVVK[134]                      |          |         |         |
|        |                    | 7148 MIAGQVLDINLAAEPK[134]                  |          |         |         |
|        |                    | 7149 QADLSFSSPVEMK[134]                     |          |         |         |

|        |                     |                                              |          |         |         |
|--------|---------------------|----------------------------------------------|----------|---------|---------|
|        |                     | 7150 MIAGQVLDINLAAEPK                        |          |         |         |
|        |                     | 7151 LK[134]GDDLQAIK[134]K[134]              |          |         |         |
| P60335 | P60335 PCBP1_MOUSE  | Poly(rC)-binding protein 1 - Mus musculus    | 0.04973  | 0.90807 | 14.8876 |
|        |                     | 7152 IITLTGPTNAIFK                           |          |         |         |
|        |                     | 7153 ESTGAQVQVAGDMLPNSTER                    |          |         |         |
|        |                     | 7154 ESTGAQVQVAGDMLPNSTER[162]               |          |         |         |
|        |                     | 7155 IANPVEGSSGR                             |          |         |         |
|        |                     | 7156 IITLTGPTNAIFK[134]                      |          |         |         |
|        |                     | 7157 QGANINEIR                               |          |         |         |
| P61161 | P61161 ARP2_MOUSE   | Actin-related protein 2 - Mus musculus       | -0.10417 | 0.79291 | 7.868   |
|        |                     | 7158 DLMVGDEASELR                            |          |         |         |
|        |                     | 7159 ILLTEPPMNPTK                            |          |         |         |
|        |                     | 7160 VGNIEIKDLMVGDEASELR                     |          |         |         |
|        |                     | 7161 ILLTEPPMNPTK[134]                       |          |         |         |
| Q3TJ73 | Q3TJ73 Q3TJ73_MOUSE | 14 days pregnant adult female placenta cDNA, | 0.34623  | 0.42139 | 19.5599 |
|        |                     | 7162 DLSTSVLSEVR                             |          |         |         |
|        |                     | 7163 DLSTSVLSEVR[162]                        |          |         |         |
|        |                     | 7164 VIGHDEDASAPTGVVR                        |          |         |         |
|        |                     | 7165 LLQNIQENIR                              |          |         |         |
|        |                     | 7166 LLQNIQENIR[162]                         |          |         |         |
|        |                     | 7167 LLELVYGIK                               |          |         |         |
|        |                     | 7168 SQNFYTLR                                |          |         |         |
|        |                     | 7169 VIGHDEDASAPTGVVR[162]                   |          |         |         |
|        |                     | 7170 ILRDSIFPPQI                             |          |         |         |
|        |                     | 7171 LLQNIQENIRENLQK                         |          |         |         |
|        |                     | 7172 MLFLVAQDTK[134]                         |          |         |         |
|        |                     | 7173 MLFLVAQDTK                              |          |         |         |
| Q921H8 | Q921H8 THIKA_MOUSE  | 3-ketoacyl-CoA thiolase A, peroxisomal precu | 1.38200  | 0.00133 | 16.0377 |
|        |                     | 7174 DGGSTTAGNSSQVSDGAAAVLLAR                |          |         |         |
|        |                     | 7175 IAQFLSGIPETVPLSTVNR                     |          |         |         |
|        |                     | 7176 FPQASASDVVVHGR                          |          |         |         |

|        |                    |                                               |          |         |         |
|--------|--------------------|-----------------------------------------------|----------|---------|---------|
| Q99LC3 | Q99LC3 NDUAA_MOUSE | 7177 QVVTLLNELK                               | -0.03579 | 0.92812 | 5.0704  |
|        |                    | NADH dehydrogenase [ubiquinone] 1 alpha su    |          |         |         |
|        |                    | 7178 LQSWLYASR[162]                           |          |         |         |
|        |                    | 7179 LQSWLYASR                                |          |         |         |
| P21278 | P21278 GNA11_MOUSE | 7180 VVEDIEYLK                                | -0.16836 | 0.67134 | 13.3705 |
|        |                    | Guanine nucleotide-binding protein alpha-11 s |          |         |         |
|        |                    | 7181 LLLGTGESGK[134]                          |          |         |         |
|        |                    | 7182 LLLGTGESGK                               |          |         |         |
|        |                    | 7183 IATVGYLPTQQDVLR[162]                     |          |         |         |
|        |                    | 7184 MVDVGGQR[162]                            |          |         |         |
|        |                    | 7185 IATVGYLPTQQDVLR                          |          |         |         |
|        |                    | 7186 MVDVGGQR                                 |          |         |         |
|        |                    | 7187 LLLGTGESGKSTFIK                          |          |         |         |
|        |                    | 7188 EFQLSDSAK                                |          |         |         |
| Q9CX84 | Q9CX84 RGS19_MOUSE | 7189 LLLGTGESGK[134]STFIK[134]                | 0.67898  | 0.11486 | 12.037  |
|        |                    | Regulator of G-protein signaling 19 - Mus mus |          |         |         |
|        |                    | 7190 SLLQGAQPSSEA                             |          |         |         |
|        |                    | 7191 LIYEDYVSILSPK                            |          |         |         |
| P21279 | P21279 GNAQ_MOUSE  | 7192 LIYEDYVSILSPK[134]                       | -0.22394 | 0.57249 | 25.6267 |
|        |                    | Guanine nucleotide-binding protein G(q) subu  |          |         |         |
|        |                    | 7193 VADPSYLPTQQDVLR                          |          |         |         |
|        |                    | 7194 EVDVEKVSFENPYVDAIK                       |          |         |         |
|        |                    | 7195 IMYSHLVDYFPEYDGPQR                       |          |         |         |
|        |                    | 7196 YYLNDLDR[162]VADPSYLPTQQDVLR[162]        |          |         |         |
|        |                    | 7197 VADPSYLPTQQDVLR[162]                     |          |         |         |
|        |                    | 7198 YYLNDLDRVADPSYLPTQQDVLR                  |          |         |         |
|        |                    | 7199 R[162]INDEIER[162]                       |          |         |         |
|        |                    | 7200 VSAFENPYVDAIK                            |          |         |         |
|        |                    | 7201 VSAFENPYVDAIK[134]                       |          |         |         |
|        |                    | 7202 RINDEIER                                 |          |         |         |
|        |                    | 7203 YYLNDLDR                                 |          |         |         |

|        |                   |                                               |          |         |         |
|--------|-------------------|-----------------------------------------------|----------|---------|---------|
|        |                   | 7204 YYLNDLDR[162]                            |          |         |         |
|        |                   | 7205 EYQLSDSTK[134]                           |          |         |         |
|        |                   | 7206 IMYSHLVDYFPEYDGPQR[162]                  |          |         |         |
|        |                   | 7207 AMDTLKIPYKYEHNK                          |          |         |         |
| P05201 | P05201 AATC_MOUSE | Aspartate aminotransferase, cytoplasmic - Mu  | -0.62627 | 0.11449 | 23.4867 |
|        |                   | 7208 NLDYVATSIHEAVTK                          |          |         |         |
|        |                   | 7209 NLDYVATSIHEAVTK[134]                     |          |         |         |
|        |                   | 7210 TDESQPWVLPVVR[162]                       |          |         |         |
|        |                   | 7211 VGGVQSLGGTGALR                           |          |         |         |
|        |                   | 7212 TDESQPWVLPVVR                            |          |         |         |
|        |                   | 7213 VGGVQSLGGTGALR[162]                      |          |         |         |
|        |                   | 7214 IVAATLSDPELFK[134]                       |          |         |         |
|        |                   | 7215 IGADFLGR[162]                            |          |         |         |
|        |                   | 7216 ITWSNPPAQGAR                             |          |         |         |
|        |                   | 7217 IVAATLSDPELFK                            |          |         |         |
|        |                   | 7218 ITWSNPPAQGAR[162]                        |          |         |         |
|        |                   | 7219 LVLGDNSPAIR[162]                         |          |         |         |
|        |                   | 7220 IGADFLGR                                 |          |         |         |
|        |                   | 7221 IVAATLSDPELFK[134]EWK[134]               |          |         |         |
|        |                   | 7222 IVAATLSDPELFKEWK                         |          |         |         |
|        |                   | 7223 LVLGDNSPAIR                              |          |         |         |
|        |                   | 7224 NFGLYNER                                 |          |         |         |
|        |                   | 7225 NFGLYNER[162]                            |          |         |         |
| P05202 | P05202 AATM_MOUSE | Aspartate aminotransferase, mitochondrial pri | -0.72182 | 0.06889 | 15.5814 |
|        |                   | 7226 FVTVQTISGTGALR                           |          |         |         |
|        |                   | 7227 IAATILTSPDLR                             |          |         |         |
|        |                   | 7228 IAATILTSPDLR[162]                        |          |         |         |
|        |                   | 7229 DAGMQLQGYR[162]                          |          |         |         |
|        |                   | 7230 ISVAGVTSGNVGYLAHAIHQVTK[134]             |          |         |         |
|        |                   | 7231 DAGMQLQGYR                               |          |         |         |
|        |                   | 7232 VGASFLQR[162]                            |          |         |         |

|        |                    |                                               |          |         |         |
|--------|--------------------|-----------------------------------------------|----------|---------|---------|
| P27601 | P27601 GNA13_MOUSE | Guanine nucleotide-binding protein alpha-13 s | -0.21123 | 0.59448 | 37.4005 |
|        |                    | 7233 ALWEDSGIQNAYDR                           |          |         |         |
|        |                    | 7234 ALWEDSGIQNAYDR[162]                      |          |         |         |
|        |                    | 7235 APMAAQGMVETR                             |          |         |         |
|        |                    | 7236 APMAAQGMVETR[162]                        |          |         |         |
|        |                    | 7237 LGVPDYIPSQQDILLAR                        |          |         |         |
|        |                    | 7238 DQQQRPLYHHFTTAINENIR                     |          |         |         |
|        |                    | 7239 GIHEYDFEIK                               |          |         |         |
|        |                    | 7240 GIHEYDFEIK[134]                          |          |         |         |
|        |                    | 7241 IIHGQDFDQR                               |          |         |         |
|        |                    | 7242 LVFRDVKDTILHDNLK                         |          |         |         |
|        |                    | 7243 VFLQYLP AIR                              |          |         |         |
|        |                    | 7244 DVKDTILHDNLK                             |          |         |         |
|        |                    | 7245 DVK[134]DTILHDNLK[134]                   |          |         |         |
|        |                    | 7246 VFLQYLP AIR[162]                         |          |         |         |
|        |                    | 7247 EEFR[162]PTIYSNVIK[134]                  |          |         |         |
|        |                    | 7248 LGVPDYIPSQQDILLAR[162]                   |          |         |         |
|        |                    | 7249 IIHGQDFDQR[162]                          |          |         |         |
|        |                    | 7250 LMAFDTR                                  |          |         |         |
|        |                    | 7251 EEFRPTIYSNVIK                            |          |         |         |
|        |                    | 7252 AREEFRPTIYSNVIK                          |          |         |         |
|        |                    | 7253 YFLDNLDK                                 |          |         |         |
|        |                    | 7254 ALWEDSGIQNAYDRR                          |          |         |         |
|        |                    | 7255 AR[162]EEFR[162]PTIYSNVIK[134]           |          |         |         |
| Q8K021 | Q8K021 SCAM1_MOUSE | Secretory carrier-associated membrane protei  | -0.61355 | 0.12204 | 18.9349 |
|        |                    | 7256 TVQTAAANAATAATSAAQNAFK                   |          |         |         |
|        |                    | 7257 TVQTAAANAATAATSAAQNAFK[134]              |          |         |         |
|        |                    | 7258 NVPPGLDEYNPFSDSR[162]                    |          |         |         |
|        |                    | 7259 NVPPGLDEYNPFSDSR                         |          |         |         |
|        |                    | 7260 AQQEFATGVMSNK[134]                       |          |         |         |
|        |                    | 7261 EHALAQAE LK[134]R[162]                   |          |         |         |



|        |                    |                                             |          |         |         |
|--------|--------------------|---------------------------------------------|----------|---------|---------|
|        |                    | 7262 EHALAQAECLK                            |          |         |         |
|        |                    | 7263 EHALAQAECLK[134]                       |          |         |         |
|        |                    | 7264 AQQEFATGVMSNK                          |          |         |         |
|        |                    | 7265 EHALAQAECLKR                           |          |         |         |
| Q99JB2 | Q99JB2 STML2_MOUSE | Stomatin-like protein 2 - Mus musculus      | -0.29517 | 0.45695 | 17.847  |
|        |                    | 7266 DVQATDTSIEELGR                         |          |         |         |
|        |                    | 7267 DVQATDTSIEELGR[162]                    |          |         |         |
|        |                    | 7268 NTVILFVPQQEAWVVER[162]                 |          |         |         |
|        |                    | 7269 AEQINQAAGEASAVLAK                      |          |         |         |
|        |                    | 7270 ILEPGLNVLPVLDR[162]                    |          |         |         |
| Q9R0N0 | Q9R0N0 GALK1_MOUSE | Galactokinase - Mus musculus                | 0.31449  | 0.46521 | 9.2072  |
|        |                    | 7271 TDGLVSLLTTSK[134]                      |          |         |         |
|        |                    | 7272 TDGLVSLLTTSK                           |          |         |         |
|        |                    | 7273 SLETSLVPLSDPK                          |          |         |         |
|        |                    | 7274 LAVLITNSNVR[162]                       |          |         |         |
|        |                    | 7275 LAVLITNSNVR                            |          |         |         |
| Q9Z1G3 | Q9Z1G3 VATC1_MOUSE | Vacuolar proton pump subunit C 1 - Mus musc | -1.89929 | 0.00000 | 24.0838 |
|        |                    | 7276 ASAYNNLKGNLQNLER                       |          |         |         |
|        |                    | 7277 ASAYNNLK[134]GNLQNLER[162]             |          |         |         |
|        |                    | 7278 DFQYNEEEMKADKEEMTR                     |          |         |         |
|        |                    | 7279 QYETLAEMVVPR[162]                      |          |         |         |
|        |                    | 7280 K[134]NAGSLLTR[162]                    |          |         |         |
|        |                    | 7281 LR[162]EVLHELYK[134]                   |          |         |         |
|        |                    | 7282 GVTQIDNDLK[134]                        |          |         |         |
|        |                    | 7283 GNLQNLER[162]                          |          |         |         |
|        |                    | 7284 GVTQIDNDLK[134]SR[162]                 |          |         |         |
|        |                    | 7285 GNLQNLER                               |          |         |         |
|        |                    | 7286 ASAYNNLK[134]                          |          |         |         |
|        |                    | 7287 VFVESVLR[162]                          |          |         |         |
|        |                    | 7288 FNIPDLK[134]                           |          |         |         |
|        |                    | 7289 QYETLAEMVVPR                           |          |         |         |

|        |                    |                                            |          |         |         |
|--------|--------------------|--------------------------------------------|----------|---------|---------|
|        |                    | 7290 GVTQIDNDLK                            |          |         |         |
|        |                    | 7291 NAGSLLTR[162]                         |          |         |         |
|        |                    | 7292 FNIPDLK                               |          |         |         |
| Q91WL6 | Q91WL6 SNX11_MOUSE | Sorting nexin-11 - Mus musculus            | 0.31941  | 0.45825 | 14.7601 |
|        |                    | 7293 STFFGGSEFIEK[134]                     |          |         |         |
|        |                    | 7294 VQNEGSWNSYVDYK                        |          |         |         |
|        |                    | 7295 STFFGGSEFIEK                          |          |         |         |
|        |                    | 7296 NAGLVPVPELPGK                         |          |         |         |
|        |                    | 7297 NAGLVPVPELPGK[134]                    |          |         |         |
| Q99K85 | Q99K85 SERC_MOUSE  | Phosphoserine aminotransferase - Mus muscu | 0.34018  | 0.42956 | 18.1081 |
|        |                    | 7298 ASLYNAVTTEDVEK                        |          |         |         |
|        |                    | 7299 SADYVVTGAWSAK                         |          |         |         |
|        |                    | 7300 FGVIFAGAQK[134]                       |          |         |         |
|        |                    | 7301 FGVIFAGAQK                            |          |         |         |
|        |                    | 7302 ELLAVPNNYK                            |          |         |         |
|        |                    | 7303 IIGNTENLVR                            |          |         |         |
|        |                    | 7304 AVELNMISLK                            |          |         |         |
| Q9CWZ7 | Q9CWZ7 SNAG_MOUSE  | Gamma-soluble NSF attachment protein - Mus | -0.32775 | 0.40880 | 28.2051 |
|        |                    | 7305 AVQLYQQTANVFENEER                     |          |         |         |
|        |                    | 7306 AVQLYQQTANVFENEER[162]                |          |         |         |
|        |                    | 7307 LGLSLVVPGGGIK[134]                    |          |         |         |
|        |                    | 7308 LGLSLVVPGGGIK                         |          |         |         |
|        |                    | 7309 FDEAALSIQK                            |          |         |         |
|        |                    | 7310 INEGLEHLAK                            |          |         |         |
|        |                    | 7311 AYEQAGMMLK[134]                       |          |         |         |
|        |                    | 7312 INEGLEHLAK[134]                       |          |         |         |
|        |                    | 7313 WKPDYDSAASEYGK                        |          |         |         |
|        |                    | 7314 AYEQAGMMLK                            |          |         |         |
|        |                    | 7315 LPEAVQLIEK                            |          |         |         |
|        |                    | 7316 EMQKLPEAVQLIEK                        |          |         |         |
| Q9D0I4 | Q9D0I4 STX17_MOUSE | Syntaxin-17 - Mus musculus                 | 0.37373  | 0.38547 | 17.608  |

|        |                    |                                              |          |         |         |
|--------|--------------------|----------------------------------------------|----------|---------|---------|
|        |                    | 7317 VAGIAAALGGGVLGFTGGK                     |          |         |         |
|        |                    | 7318 IDSIADHVNSAAVNVEEGTK                    |          |         |         |
|        |                    | 7319 QVNDEELLQPSLTR                          |          |         |         |
| Q9D6R2 | Q9D6R2 IDH3A_MOUSE | Isocitrate dehydrogenase [NAD] subunit alpha | -0.23633 | 0.55145 | 11.2022 |
|        |                    | 7320 IAEFAFEYAR                              |          |         |         |
|        |                    | 7321 TPYTDVNIVTIR                            |          |         |         |
|        |                    | 7322 TPYTDVNIVTIR[162]                       |          |         |         |
|        |                    | 7323 APIQWEER                                |          |         |         |
|        |                    | 7324 NVTAIQGPGGK[134]                        |          |         |         |
|        |                    | 7325 NVTAIQGPGGK                             |          |         |         |
| Q9WV54 | Q9WV54 ASAH1_MOUSE | Acid ceramidase precursor - Mus musculus     | -0.79293 | 0.04568 | 18.2741 |
|        |                    | 7326 LTVFTTLM DVTK[134]                      |          |         |         |
|        |                    | 7327 LTVFTTLM DVTK                           |          |         |         |
|        |                    | 7328 IMA PVYFILGGK                           |          |         |         |
|        |                    | 7329 IMA PVYFILGGK[134]                      |          |         |         |
|        |                    | 7330 WYVVQTNYDR                              |          |         |         |
|        |                    | 7331 ESLDVYELDPK[134]                        |          |         |         |
|        |                    | 7332 IMA PVYFILGGK[134]K[134]                |          |         |         |
|        |                    | 7333 DAQWVG FITR[162]                        |          |         |         |
|        |                    | 7334 ESLDVYELDPK                             |          |         |         |
|        |                    | 7335 NTLFIDDR[162]                           |          |         |         |
|        |                    | 7336 IMA PVYFILGGKK                          |          |         |         |
|        |                    | 7337 DAQWVG FITR                             |          |         |         |
|        |                    | 7338 GQFESH LR[162]                          |          |         |         |
| Q9WUU7 | Q9WUU7 CATZ_MOUSE  | Cathepsin Z precursor - Mus musculus         | -0.58822 | 0.13822 | 15.6863 |
|        |                    | 7339 TYPRPHEYLSPADLPK                        |          |         |         |
|        |                    | 7340 NVNGVNYASVTR                            |          |         |         |
|        |                    | 7341 NVNGVNYASVTR[162]                       |          |         |         |
|        |                    | 7342 VGDYGSLSGR                              |          |         |         |
|        |                    | 7343 NSWGEPWGEK                              |          |         |         |
|        |                    | 7344 NSWGEPWGEK[134]                         |          |         |         |

|        |                    |                                                |          |         |         |
|--------|--------------------|------------------------------------------------|----------|---------|---------|
| P40336 | P40336 VP26A_MOUSE | Vacuolar protein sorting-associated protein 26 | -0.56142 | 0.15710 | 13.1498 |
|        |                    | 7345 LFLAGYDPTPTMR                             |          |         |         |
|        |                    | 7346 EITGIGPSTTTETETIAK                        |          |         |         |
|        |                    | 7347 ELALPGELTQSR[162]                         |          |         |         |
|        |                    | 7348 EITGIGPSTTTETETIAK[134]                   |          |         |         |
|        |                    | 7349 ELALPGELTQSR                              |          |         |         |
| P10107 | P10107 ANXA1_MOUSE | Annexin A1 - Mus musculus                      | 0.03816  | 0.92938 | 60.9827 |
|        |                    | 7350 FLENQEQEYVQAVK[134]                       |          |         |         |
|        |                    | 7351 FLENQEQEYVQAVK                            |          |         |         |
|        |                    | 7352 GGPGSAVSPYPSFNVSSDVAALHK                  |          |         |         |
|        |                    | 7353 DLAKDITSDTSGDFRK                          |          |         |         |
|        |                    | 7354 DITSDTSGDFR                               |          |         |         |
|        |                    | 7355 GLGTDEDTLIEILTTR                          |          |         |         |
|        |                    | 7356 GLGTDEDTLIEILTTR[162]                     |          |         |         |
|        |                    | 7357 GVDEATIIDILTKR                            |          |         |         |
|        |                    | 7358 GVDEATIIDILTK[134]                        |          |         |         |
|        |                    | 7359 KGTDVNVFTILTISR                           |          |         |         |
|        |                    | 7360 K[134]GTDVNVFTILTISR[162]                 |          |         |         |
|        |                    | 7361 RKGTDVNVFTILTISR                          |          |         |         |
|        |                    | 7362 TPAQFDADELRGAMK                           |          |         |         |
|        |                    | 7363 AAYLQENGKPLDEVLR                          |          |         |         |
|        |                    | 7364 DLAK[134]DITSDTSGDFR[162]K[134]           |          |         |         |
|        |                    | 7365 R[162]K[134]GTDVNVFTILTISR[162]           |          |         |         |
|        |                    | 7366 SYKGGPGSAVSPYPSFNVSSDVAALHK               |          |         |         |
|        |                    | 7367 GTDVNVFTILTISR[162]                       |          |         |         |
|        |                    | 7368 AAYLQENGKPLDEVLRK                         |          |         |         |
|        |                    | 7369 ALTGHLEEVVLAMLK[134]                      |          |         |         |
|        |                    | 7370 TPAQFDAELR[162]GAMK[134]                  |          |         |         |
|        |                    | 7371 DITSDTSGDFRK                              |          |         |         |
|        |                    | 7372 DITSDTSGDFR[162]                          |          |         |         |
|        |                    | 7373 DITSDTSGDFR[162]K[134]                    |          |         |         |

|        |                    |                                               |          |         |         |
|--------|--------------------|-----------------------------------------------|----------|---------|---------|
|        |                    | 7374 GTDVNVFTILTSR                            |          |         |         |
|        |                    | 7375 GVDEATIIDILTK                            |          |         |         |
|        |                    | 7376 TPAQFDADELRL                             |          |         |         |
|        |                    | 7377 TPAQFDADELRL[162]                        |          |         |         |
|        |                    | 7378 GVDEATIIDILTK[134]R[162]                 |          |         |         |
|        |                    | 7379 AAYLQENGK[134]PLDEVLR[162]K[134]         |          |         |         |
|        |                    | 7380 ALYEAGER[162]                            |          |         |         |
|        |                    | 7381 KALLALAK                                 |          |         |         |
|        |                    | 7382 R[162]VFQNYGK[134]                       |          |         |         |
|        |                    | 7383 ALLALAK[134]                             |          |         |         |
|        |                    | 7384 SEIDMNEIK[134]                           |          |         |         |
|        |                    | 7385 RVFQNYGK                                 |          |         |         |
|        |                    | 7386 AAYLQENGK[134]PLDEVLR[162]               |          |         |         |
|        |                    | 7387 ALLALAK                                  |          |         |         |
|        |                    | 7388 VFQNYGK                                  |          |         |         |
|        |                    | 7389 VYREELKR                                 |          |         |         |
|        |                    | 7390 SEIDMNEIK                                |          |         |         |
|        |                    | 7391 SEIDMNEIKVFYQK                           |          |         |         |
|        |                    | 7392 ALYEAGER                                 |          |         |         |
|        |                    | 7393 K[134]ALLALAK[134]                       |          |         |         |
|        |                    | 7394 C[174]QDLSVNQDLADTDAR                    |          |         |         |
| P47753 | P47753 CAZA1_MOUSE | F-actin-capping protein subunit alpha-1 - Mus | -0.36904 | 0.35233 | 21.3287 |
|        |                    | 7395 EASDPQPEDVDGGLK                          |          |         |         |
|        |                    | 7396 EASDPQPEDVDGGLK[134]                     |          |         |         |
|        |                    | 7397 FTITPPSAQVVGVLK[134]                     |          |         |         |
|        |                    | 7398 FITHAPPGEFNEVFNDVR[162]                  |          |         |         |
|        |                    | 7399 EASDPQPEDVDGGLK[134]SWR[162]             |          |         |         |
|        |                    | 7400 FITHAPPGEFNEVFNDVR                       |          |         |         |
|        |                    | 7401 LLLNNDNLLR[162]                          |          |         |         |
|        |                    | 7402 FTITPPSAQVVGVLK                          |          |         |         |
|        |                    | 7403 LLLNNDNLLR                               |          |         |         |

|        |                    |                                               |          |         |         |
|--------|--------------------|-----------------------------------------------|----------|---------|---------|
|        |                    | 7404 EASDPQPEDVDGGLKSWR                       |          |         |         |
| P62137 | P62137 PP1A_MOUSE  | Serine/threonine-protein phosphatase PP1-α    | -0.24302 | 0.54023 | 22.4242 |
|        |                    | 7405 NVQLTENEIR[162]                          |          |         |         |
|        |                    | 7406 YGQFSGLNPGGR[162]PITPPR[162]             |          |         |         |
|        |                    | 7407 YGQFSGLNPGGRPITPPR                       |          |         |         |
|        |                    | 7408 AHQVVEDGYEFAK                            |          |         |         |
|        |                    | 7409 AHQVVEDGYEFAK[134]                       |          |         |         |
|        |                    | 7410 AHQVVEDGYEFAKR                           |          |         |         |
|        |                    | 7411 AHQVVEDGYEFAK[134]R[162]                 |          |         |         |
|        |                    | 7412 NVQLTENEIR                               |          |         |         |
|        |                    | 7413 YPENFFLLR[162]                           |          |         |         |
|        |                    | 7414 LLEVQGSR[162]PGK[134]                    |          |         |         |
|        |                    | 7415 GKYGQFSGLNPGGRPITPPR                     |          |         |         |
|        |                    | 7416 LLEVQGSRPGK                              |          |         |         |
|        |                    | 7417 YPENFFLLR                                |          |         |         |
|        |                    | 7418 LNLDSIIGR                                |          |         |         |
|        |                    | 7419 LNLDSIIGR[162]                           |          |         |         |
| Q60817 | Q60817 NACA_MOUSE  | Nascent polypeptide-associated complex subu   | -0.08053 | 0.83917 | 13.4884 |
|        |                    | 7420 IEDLSQQAQLAAAEK                          |          |         |         |
|        |                    | 7421 IEDLSQQAQLAAAEK[134]                     |          |         |         |
|        |                    | 7422 SPASDTYIVFGEAK                           |          |         |         |
|        |                    | 7423 SPASDTYIVFGEAK[134]                      |          |         |         |
| Q61792 | Q61792 LASP1_MOUSE | LIM and SH3 domain protein 1 - Mus musculus   | -0.35497 | 0.37100 | 22.0532 |
|        |                    | 7424 GFSVVADTPELQR                            |          |         |         |
|        |                    | 7425 QSFTMVADTPENLR                           |          |         |         |
|        |                    | 7426 QSFTMVADTPENLR[162]                      |          |         |         |
|        |                    | 7427 GFSVVADTPELQR[162]                       |          |         |         |
|        |                    | 7428 TGDGMLPANYVEAI                           |          |         |         |
|        |                    | 7429 TQDQISNIK[134]YHEEFEK[134]               |          |         |         |
|        |                    | 7430 TQDQISNIKYHEEFEK                         |          |         |         |
| Q7TSF4 | Q7TSF4 CQ076_MOUSE | Leucine-rich repeat-containing protein C17orf | 0.14995  | 0.72768 | 22.1239 |

|        |                    |                                              |         |         |         |
|--------|--------------------|----------------------------------------------|---------|---------|---------|
|        |                    | 7431 EGTQQDPIGSPVTPAR                        |         |         |         |
|        |                    | 7432 EGTQQDPIGSPVTPAR[162]                   |         |         |         |
|        |                    | 7433 QDLGMESTSLDDVLYR                        |         |         |         |
|        |                    | 7434 VGMVQELLR[162]                          |         |         |         |
|        |                    | 7435 QGHLPTILELGEGPGTGEEAR                   |         |         |         |
|        |                    | 7436 REEAGTLLQHLR                            |         |         |         |
|        |                    | 7437 VGMVQELLR                               |         |         |         |
| Q924Z4 | Q924Z4 LASS2_MOUSE | LAG1 longevity assurance homolog 2 - Mus mu  | 0.34403 | 0.42434 | 7.8947  |
|        |                    | 7438 LRAPPNATLEHFYQTSGK                      |         |         |         |
|        |                    | 7439 LRAPPNATLEHFYQTSGKQPK                   |         |         |         |
|        |                    | 7440 LR[162]APPNATLEHFYQTSGK[134]            |         |         |         |
|        |                    | 7441 QVEVDLLSR                               |         |         |         |
|        |                    | 7442 APPNATLEHFYQTSGKQPK                     |         |         |         |
|        |                    | 7443 APPNATLEHFYQTSGK[134]                   |         |         |         |
|        |                    | 7444 APPNATLEHFYQTSGK                        |         |         |         |
|        |                    | 7445 QVEVDLLSR[162]                          |         |         |         |
| Q9D8B3 | Q9D8B3 CHM4B_MOUSE | Charged multivesicular body protein 4b - Mus | 0.39691 | 0.35668 | 30.8036 |
|        |                    | 7446 EALENANTNTEVLK                          |         |         |         |
|        |                    | 7447 QLAQIDGTLSTIEFQR                        |         |         |         |
|        |                    | 7448 EALENANTNTEVLK[134]                     |         |         |         |
|        |                    | 7449 GGPTPQEAIQR                             |         |         |         |
|        |                    | 7450 KIEQELTAAK                              |         |         |         |
|        |                    | 7451 QLAQIDGTLSTIEFQR[162]                   |         |         |         |
|        |                    | 7452 KIEQELTAAKK                             |         |         |         |
|        |                    | 7453 LR[162]DTEEMLSK[134]                    |         |         |         |
|        |                    | 7454 LRDTEEMLSK                              |         |         |         |
|        |                    | 7455 K[134]IEQELTAAK[134]                    |         |         |         |
|        |                    | 7456 GGPTPQEAIQR[162]                        |         |         |         |
|        |                    | 7457 K[134]QEFLEK[134]                       |         |         |         |
| Q9JII6 | Q9JII6 AK1A1_MOUSE | Alcohol dehydrogenase [NADP+] - Mus muscul   | 0.50064 | 0.24500 | 20.6154 |
|        |                    | 7458 ALGLSNFNRSR                             |         |         |         |

|        |                    |                                             |          |         |         |
|--------|--------------------|---------------------------------------------|----------|---------|---------|
|        |                    | 7459 GLEVTAYSPLGSSDR                        |          |         |         |
|        |                    | 7460 ALGLSNFNSR[162]                        |          |         |         |
|        |                    | 7461 DAGHPLYPFNDPY                          |          |         |         |
|        |                    | 7462 HPDEPVLLLEEPVVLALAEK                   |          |         |         |
|        |                    | 7463 MPLIGLGTWK                             |          |         |         |
|        |                    | 7464 MPLIGLGTWK[134]                        |          |         |         |
| P47911 | P47911 RL6_MOUSE   | 60S ribosomal protein L6 - Mus musculus     | 0.25715  | 0.55041 | 20.9459 |
|        |                    | 7465 AVDLQILPK[134]                         |          |         |         |
|        |                    | 7466 AVDLQILPK                              |          |         |         |
|        |                    | 7467 SSITPGTVLIILTGR[162]                   |          |         |         |
|        |                    | 7468 SSITPGTVLIILTGR                        |          |         |         |
|        |                    | 7469 HLTDAYFK                               |          |         |         |
|        |                    | 7470 HQEGEIFDTEKEKYEQEQR                    |          |         |         |
|        |                    | 7471 AVPQLQGYLR                             |          |         |         |
| Q9D880 | Q9D880 TIM50_MOUSE | Import inner membrane translocase subunit T | -0.43986 | 0.26763 | 13.881  |
|        |                    | 7472 TIALNQVEDVR                            |          |         |         |
|        |                    | 7473 IPDEFDSDPILVQQLR                       |          |         |         |
|        |                    | 7474 TPEQVTEIANR[162]                       |          |         |         |
|        |                    | 7475 QGLSFGSLASR[162]                       |          |         |         |
|        |                    | 7476 TPEQVTEIANR                            |          |         |         |
|        |                    | 7477 QGLSFGSLASR                            |          |         |         |
|        |                    | 7478 TIALNQVEDVR[162]                       |          |         |         |
| O08579 | O08579 EMD_MOUSE   | Emerin - Mus musculus                       | 0.81343  | 0.05890 | 42.471  |
|        |                    | 7479 DYNDYYEESYLTTK[134]                    |          |         |         |
|        |                    | 7480 LIYGQDSAYQSIAHYRPISNVSR                |          |         |         |
|        |                    | 7481 LIYGQDSAYQSIAHYR[162]PISNVSR[162]      |          |         |         |
|        |                    | 7482 DYNDYYEESYLTTK                         |          |         |         |
|        |                    | 7483 TYGEPESVGMSK                           |          |         |         |
|        |                    | 7484 TYGEPESVGMSK[134]                      |          |         |         |
|        |                    | 7485 QYNIPHGPIVGSTR                         |          |         |         |
|        |                    | 7486 QAPAAALGQDR                            |          |         |         |



|        |                    |                                                |          |         |         |
|--------|--------------------|------------------------------------------------|----------|---------|---------|
|        |                    | 7487 KIFEYETQR                                 |          |         |         |
|        |                    | 7488 DDIFSSLEEEGKDRE                           |          |         |         |
|        |                    | 7489 KEDALLYQSK                                |          |         |         |
|        |                    | 7490 IFEYETQR                                  |          |         |         |
|        |                    | 7491 QYNIPHGPIVGSTR[162]                       |          |         |         |
| O88531 | O88531 PPT1_MOUSE  | Palmitoyl-protein thioesterase 1 precursor - M | -0.64256 | 0.10536 | 16.3399 |
|        |                    | 7492 LQQGYNAIGFSQGGQFLR                        |          |         |         |
|        |                    | 7493 LQQGYNAIGFSQGGQFLR[162]                   |          |         |         |
|        |                    | 7494 LVQAQYWHDPIKESVYR                         |          |         |         |
|        |                    | 7495 LVQAQYWHDPIK[134]ESVYR[162]               |          |         |         |
|        |                    | 7496 ETIPLQUESTLYTEDR[162]                     |          |         |         |
|        |                    | 7497 ETIPLQUESTLYTEDR                          |          |         |         |
| P06797 | P06797 CATL1_MOUSE | Cathepsin L1 precursor - Mus musculus          | 0.43620  | 0.31109 | 14.9701 |
|        |                    | 7498 ENGGLDSEESYPYEA                           |          |         |         |
|        |                    | 7499 LFQEPLMLK[134]                            |          |         |         |
|        |                    | 7500 LFQEPLMLK                                 |          |         |         |
|        |                    | 7501 ENGGLDSEESYPYEA[134]                      |          |         |         |
|        |                    | 7502 NLDHGVLLVGYGYEGTDSNKNK                    |          |         |         |
|        |                    | 7503 LFQEPLMLKIPK                              |          |         |         |
| P14869 | P14869 RLA0_MOUSE  | 60S acidic ribosomal protein P0 - Mus musculus | -0.02061 | 0.95857 | 27.1293 |
|        |                    | 7504 TSFFQALGITTK[134]                         |          |         |         |
|        |                    | 7505 IIQLDDYYPK[134]                           |          |         |         |
|        |                    | 7506 IIQLDDYYPK                                |          |         |         |
|        |                    | 7507 AFLADPSAFAAAAPAAAATTAAPAAAAAPAK           |          |         |         |
|        |                    | 7508 TSFFQALGITTK                              |          |         |         |
|        |                    | 7509 GHLENNPALEK                               |          |         |         |
|        |                    | 7510 GNVGFVFTK                                 |          |         |         |
|        |                    | 7511 GTIEILSDVQLIK[134]                        |          |         |         |
| P21956 | P21956 MFGM_MOUSE  | Lactadherin precursor - Mus musculus           | -0.57331 | 0.14850 | 16.8467 |
|        |                    | 7512 VNMFNPTLEAQYIR[162]                       |          |         |         |
|        |                    | 7513 INAWTAQSNSAK[134]                         |          |         |         |

|        |                    |                                               |         |         |         |
|--------|--------------------|-----------------------------------------------|---------|---------|---------|
|        |                    | 7514 VNMFNPTLEAQYIR                           |         |         |         |
|        |                    | 7515 QVTGIITQGAR[162]                         |         |         |         |
|        |                    | 7516 QVTGIITQGAR                              |         |         |         |
|        |                    | 7517 DFGHIQYVASYK[134]                        |         |         |         |
|        |                    | 7518 VAHSDDGVQWTVYEEQGSSK                     |         |         |         |
|        |                    | 7519 VAHSDDGVQWTVYEEQGSSK[134]                |         |         |         |
|        |                    | 7520 INAWTAQSNSAK                             |         |         |         |
|        |                    | 7521 VLPVSWHNR                                |         |         |         |
| P45376 | P45376 ALDR_MOUSE  | Aldose reductase - Mus musculus               | 0.09066 | 0.83326 | 16.4557 |
|        |                    | 7522 TIGVSNFNPLQIER                           |         |         |         |
|        |                    | 7523 TIGVSNFNPLQIER[162]                      |         |         |         |
|        |                    | 7524 SPPGQVTEAVK                              |         |         |         |
|        |                    | 7525 R[162]QDLFIVSK[134]                      |         |         |         |
|        |                    | 7526 SPPGQVTEAVK[134]                         |         |         |         |
|        |                    | 7527 MPTLGLGTWK                               |         |         |         |
|        |                    | 7528 RQDLFIVSK                                |         |         |         |
|        |                    | 7529 VAIDLGYR                                 |         |         |         |
|        |                    | 7530 VAIDLGYR[162]                            |         |         |         |
| P47754 | P47754 CAZA2_MOUSE | F-actin-capping protein subunit alpha-2 - Mus | 0.13046 | 0.76193 | 26.2238 |
|        |                    | 7531 EATDPRPYEAENAIESWR                       |         |         |         |
|        |                    | 7532 EATDPR[162]PYEAENAIESWR[162]             |         |         |         |
|        |                    | 7533 FIIHAPPGEFNEVFNDVR                       |         |         |         |
|        |                    | 7534 FIIHAPPGEFNEVFNDVR[162]                  |         |         |         |
|        |                    | 7535 DIQDSLTVSNEVQTAK                         |         |         |         |
|        |                    | 7536 DIQDSLTVSNEVQTAK[134]                    |         |         |         |
|        |                    | 7537 FTVTPSTTQVVGILK                          |         |         |         |
|        |                    | 7538 TSVETALR[162]                            |         |         |         |
|        |                    | 7539 TSVETALR                                 |         |         |         |
| P57776 | P57776 EF1D_MOUSE  | Elongation factor 1-delta - Mus musculus      | 0.01825 | 0.96620 | 29.8932 |
|        |                    | 7540 FYEQMNGPVTSGSR[162]                      |         |         |         |
|        |                    | 7541 SLAGSSGPGASSGPGGDHSELIVR                 |         |         |         |

|        |                    |      |                                              |          |         |         |
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|        |                    | 7542 | SLAGSSGPGASSGPGGDHSELIVR[162]                |          |         |         |
|        |                    | 7543 | ITSLEVENQNLR                                 |          |         |         |
|        |                    | 7544 | GVVQDLQQAISK[134]                            |          |         |         |
|        |                    | 7545 | ITSLEVENQNLR[162]                            |          |         |         |
|        |                    | 7546 | SIQLDGLVWGASK                                |          |         |         |
|        |                    | 7547 | GVVQDLQQAISK                                 |          |         |         |
|        |                    | 7548 | SIQLDGLVWGASK[134]                           |          |         |         |
|        |                    | 7549 | LVPVGYGIR                                    |          |         |         |
| P62141 | P62141 PP1B_MOUSE  |      | Serine/threonine-protein phosphatase PP1-be  | -0.12670 | 0.74949 | 11.315  |
|        |                    | 7550 | IKYPENFFLLR                                  |          |         |         |
|        |                    | 7551 | IVQMTEAEVR[162]                              |          |         |         |
|        |                    | 7552 | IVQMTEAEVR                                   |          |         |         |
|        |                    | 7553 | YQYGGLNSGR[162]PVTPPR[162]                   |          |         |         |
|        |                    | 7554 | YQYGGLNSGRPVTPPR                             |          |         |         |
| Q8BGU5 | Q8BGU5 CCNY_MOUSE  |      | Cyclin-Y - Mus musculus                      | 0.28921  | 0.50184 | 27.566  |
|        |                    | 7555 | SLAEANNLSFPLEPLSR[162]                       |          |         |         |
|        |                    | 7556 | SLAEANNLSFPLEPLSR                            |          |         |         |
|        |                    | 7557 | SLFINHHPPGQTSR                               |          |         |         |
|        |                    | 7558 | MLLDIFDENLHPLSK                              |          |         |         |
|        |                    | 7559 | YYFDLR[162]                                  |          |         |         |
|        |                    | 7560 | IVLGAILLASK                                  |          |         |         |
|        |                    | 7561 | IVLGAILLASK[134]                             |          |         |         |
|        |                    | 7562 | MLLDIFDENLHPLSK[134]                         |          |         |         |
|        |                    | 7563 | SLFINHHPPGQTSR[162]                          |          |         |         |
|        |                    | 7564 | SASADNLILPR                                  |          |         |         |
|        |                    | 7565 | LESYRPDTDLSR                                 |          |         |         |
|        |                    | 7566 | ASTIFLSK                                     |          |         |         |
|        |                    | 7567 | SASADNLILPR[162]                             |          |         |         |
| Q8BJQ4 | Q8BJQ4 TCAM2_MOUSE |      | TIR domain-containing adapter molecule 2 - M | 0.67898  | 0.11486 | 15.5172 |
|        |                    | 7568 | GAGPEEQDEEEFLK                               |          |         |         |
|        |                    | 7569 | GAGPEEQDEEEFLK[134]                          |          |         |         |

|        |                    |                                                                     |          |         |         |
|--------|--------------------|---------------------------------------------------------------------|----------|---------|---------|
|        |                    | 7570 GFVEQSSGSEPPTGEQDQPEAK                                         |          |         |         |
| Q91VE6 | Q91VE6 MK67I_MOUSE | MKI67 FHA domain-interacting nucleolar phosphatase 1                | -0.04685 | 0.90601 | 9.1483  |
|        |                    | 7571 IVAETMDNYLFGER                                                 |          |         |         |
|        |                    | 7572 IVAETMDNYLFGER[162]                                            |          |         |         |
|        |                    | 7573 GIDYSFPSLVLPKPK                                                |          |         |         |
| Q9CXR1 | Q9CXR1 DHR57_MOUSE | Dehydrogenase/reductase SDR family member 1                         | 0.49303  | 0.25225 | 21.5976 |
|        |                    | 7574 DILVLPLDLTDTSSHEAATK                                           |          |         |         |
|        |                    | 7575 EKDILVLPLDLTDTSSHEAATK                                         |          |         |         |
|        |                    | 7576 NNLDPDLPYK[134]                                                |          |         |         |
|        |                    | 7577 NNLDPDLPYK                                                     |          |         |         |
|        |                    | 7578 IQNFKNNLDPDLPYK                                                |          |         |         |
|        |                    | 7579 LMLISMANDLK                                                    |          |         |         |
|        |                    | 7580 AVLQEF GK                                                      |          |         |         |
|        |                    | 7581 AVLQEF GK[134]                                                 |          |         |         |
|        |                    | 7582 NAFTEEVTK[134]                                                 |          |         |         |
|        |                    | 7583 NAFTEEVTK                                                      |          |         |         |
|        |                    | 7584 DILVLPLDLTDTSSHEAATK[134]                                      |          |         |         |
|        |                    | 7585 NNIDQSYK                                                       |          |         |         |
| Q9R1J0 | Q9R1J0 NSDHL_MOUSE | Sterol-4-alpha-carboxylate 3-dehydrogenase, cytochrome b5 dependent | 0.22540  | 0.60067 | 8.2873  |
|        |                    | 7586 GYTVNVFDIHQGFDNPR                                              |          |         |         |
|        |                    | 7587 GYTVNVFDIHQGFDNPR[162]                                         |          |         |         |
|        |                    | 7588 DPQLVPILIDAAR[162]                                             |          |         |         |
|        |                    | 7589 DPQLVPILIDAAR                                                  |          |         |         |
| P07356 | P07356 ANXA2_MOUSE | Annexin A2 - Mus musculus                                           | -0.05268 | 0.89439 | 64.3068 |
|        |                    | 7590 TNQELQEINR                                                     |          |         |         |
|        |                    | 7591 TPAQYDASELK                                                    |          |         |         |
|        |                    | 7592 AEDGSVIDYELIDQDAR                                              |          |         |         |
|        |                    | 7593 AEDGSVIDYELIDQDAR[162]                                         |          |         |         |
|        |                    | 7594 DALNIETAVK[134]                                                |          |         |         |
|        |                    | 7595 DIISDTSGDFR[162]                                               |          |         |         |
|        |                    | 7596 GVDEVTIVNILTNR                                                 |          |         |         |

7597 GVDEVTIVNILTNR[162]  
7598 RAEDGSVIDYELIDQDAR  
7599 SLYYYIQQDTK  
7600 SLYYYIQQDTKGDYQK  
7601 SLYYYIQQDTK[134]  
7602 SLYYYIQQDTK[134]GDYQK[134]  
7603 SYSPYDMLESIK[134]K[134]  
7604 TDLEKDIISDTSGDFR  
7605 TDLEKDIISDTSGDFRK  
7606 TDLEK[134]DIISDTSGDFR[162]  
7607 TKGVDEVTIVNILTNR  
7608 TK[134]GVDEVTIVNILTNR[162]  
7609 TNQELQEINR[162]  
7610 TPAQYDASELK[134]  
7611 LSLEGDHSTPPSAYGSVKPYTNFDAER  
7612 R[162]AEDGSVIDYELIDQDAR[162]  
7613 SNVQRQDIAFAYQR  
7614 SNVQR[162]QDIAFAYQR[162]  
7615 TPAQYDASELKASMK  
7616 TPAQYDASELK[134]ASMK[134]  
7617 YKSYSPYDMLESIKK  
7618 DIISDTSGDFRK  
7619 SYSPYDMLESIKK  
7620 WISIMTER  
7621 WISIMTER[162]  
7622 KGTDVPKWISIMTER  
7623 QDIAFAYQR  
7624 DALNIETAVK  
7625 DIISDTSGDFR  
7626 ELYDAGVK[134]R[162]  
7627 QDIAFAYQR[162]

|        |                    |                                               |          |         |         |
|--------|--------------------|-----------------------------------------------|----------|---------|---------|
|        |                    | 7628 K[134]LMVALAK[134]                       |          |         |         |
|        |                    | 7629 GTDVPK[134]WISIMTER[162]                 |          |         |         |
|        |                    | 7630 LMVALAK[134]                             |          |         |         |
|        |                    | 7631 SYSPYDMLESIK                             |          |         |         |
|        |                    | 7632 LMVALAK                                  |          |         |         |
|        |                    | 7633 DIISDTSGDFR[162]K[134]                   |          |         |         |
|        |                    | 7634 SALSGHLETVILGLLK                         |          |         |         |
|        |                    | 7635 SALSGHLETVILGLLK[134]                    |          |         |         |
|        |                    | 7636 TDLEK[134]DIISDTSGDFR[162]K[134]         |          |         |         |
|        |                    | 7637 SYSPYDMLESIK[134]                        |          |         |         |
|        |                    | 7638 VYK[134]EMYK[134]                        |          |         |         |
|        |                    | 7639 LYDSMK[134]                              |          |         |         |
|        |                    | 7640 ELYDAGVKR                                |          |         |         |
|        |                    | 7641 KLMVALAK                                 |          |         |         |
| Q9CY50 | Q9CY50 SSRA_MOUSE  | Translocon-associated protein subunit alpha p | 0.08712  | 0.83968 | 6.6434  |
|        |                    | 7642 GEDFPANNIVK                              |          |         |         |
|        |                    | 7643 FLVGFTNK                                 |          |         |         |
|        |                    | 7644 FLVGFTNK[134]                            |          |         |         |
|        |                    | 7645 GEDFPANNIVK[134]                         |          |         |         |
| P62874 | P62874 GBB1_MOUSE  | Guanine nucleotide-binding protein G(I)/G(S)/ | 0.00938  | 0.98262 | 14.4118 |
|        |                    | 7646 LIIWDSYTTNK                              |          |         |         |
|        |                    | 7647 AGVLAGHDNR                               |          |         |         |
|        |                    | 7648 AGVLAGHDNR[162]                          |          |         |         |
|        |                    | 7649 LLVSASQDGK                               |          |         |         |
|        |                    | 7650 LLVSASQDGK[134]                          |          |         |         |
|        |                    | 7651 IYAMHWGTDSR                              |          |         |         |
|        |                    | 7652 IYAMHWGTDSR[162]                         |          |         |         |
|        |                    | 7653 LIIWDSYTTNK[134]                         |          |         |         |
|        |                    | 7654 VHAIPLR                                  |          |         |         |
|        |                    | 7655 LIIWDSYTTNK[134]VHAIPLR[162]             |          |         |         |
| O35639 | O35639 ANXA3_MOUSE | Annexin A3 - Mus musculus                     | -0.03579 | 0.92812 | 11.1455 |

|        |                    |                                              |          |         |         |
|--------|--------------------|----------------------------------------------|----------|---------|---------|
|        |                    | 7656 GTGTDEDALIEILTTR                        |          |         |         |
|        |                    | 7657 GAGTDEFTLNR                             |          |         |         |
|        |                    | 7658 TLINILTER                               |          |         |         |
|        |                    | 7659 TLINILTER[162]                          |          |         |         |
| P08249 | P08249 MDHM_MOUSE  | Malate dehydrogenase, mitochondrial precurs  | -0.64295 | 0.10515 | 29.8817 |
|        |                    | 7660 MIAEAIPELK[134]                         |          |         |         |
|        |                    | 7661 AGAGSATLSMAYAGAR                        |          |         |         |
|        |                    | 7662 AGAGSATLSMAYAGAR[162]                   |          |         |         |
|        |                    | 7663 ANTFVAELK[134]                          |          |         |         |
|        |                    | 7664 IFGVTTLDIVR[162]                        |          |         |         |
|        |                    | 7665 VAVLGASGGIGQPLSLLK                      |          |         |         |
|        |                    | 7666 VAVLGASGGIGQPLSLLK[134]                 |          |         |         |
|        |                    | 7667 VDFPQDQLATLTGR                          |          |         |         |
|        |                    | 7668 VDFPQDQLATLTGR[162]                     |          |         |         |
|        |                    | 7669 VNVPVIGGHAGK                            |          |         |         |
|        |                    | 7670 VNVPVIGGHAGK[134]                       |          |         |         |
|        |                    | 7671 IFGVTTLDIVR                             |          |         |         |
|        |                    | 7672 ANTFVAELK                               |          |         |         |
|        |                    | 7673 MIAEAIPELK                              |          |         |         |
|        |                    | 7674 IQEAGTEVVK                              |          |         |         |
| Q3TWL2 | Q3TWL2 TM55B_MOUSE | Transmembrane protein 55B - Mus musculus     | 0.30415  | 0.48001 | 11.6197 |
|        |                    | 7675 IINLGPVHPGPLSPEPQPMGVR                  |          |         |         |
|        |                    | 7676 NTFLWTEFTDR                             |          |         |         |
|        |                    | 7677 NTFLWTEFTDR[162]                        |          |         |         |
| Q9DBH5 | Q9DBH5 LMAN2_MOUSE | Vesicular integral-membrane protein VIP36 pr | -0.34935 | 0.37862 | 26.8156 |
|        |                    | 7678 DNVDDPTGNFR                             |          |         |         |
|        |                    | 7679 NLHGDGIALWYTR                           |          |         |         |
|        |                    | 7680 TPEESIDWTK[134]                         |          |         |         |
|        |                    | 7681 DNVDDPTGNFR[162]                        |          |         |         |
|        |                    | 7682 DRLVPGPVFGSK                            |          |         |         |
|        |                    | 7683 NLHGDGIALWYTR[162]                      |          |         |         |

|        |                    |                                                 |         |         |         |
|--------|--------------------|-------------------------------------------------|---------|---------|---------|
|        |                    | 7684 TPEESIDWTK                                 |         |         |         |
|        |                    | 7685 DNFHGLAIFLDTYPNDETER                       |         |         |         |
|        |                    | 7686 DNFHGLAIFLDTYPNDETER[162]                  |         |         |         |
|        |                    | 7687 NR[162]DHDTFLAVR[162]                      |         |         |         |
|        |                    | 7688 TPEESIDWTKIEPGVNFLK                        |         |         |         |
|        |                    | 7689 NRDHDTFLAVR                                |         |         |         |
|        |                    | 7690 DHDTFLAVR[162]                             |         |         |         |
|        |                    | 7691 DR[162]LVPGPVFGSK[134]                     |         |         |         |
|        |                    | 7692 DHDTFLAVR                                  |         |         |         |
|        |                    | 7693 LFQLTVER[162]                              |         |         |         |
|        |                    | 7694 IEPGVNFLK[134]                             |         |         |         |
|        |                    | 7695 LFQLTVER                                   |         |         |         |
| Q9WV32 | Q9WV32 ARC1B_MOUSE | Actin-related protein 2/3 complex subunit 1B -  | 0.14995 | 0.72768 | 11.0215 |
|        |                    | 7696 NSVSQISVLSGGK                              |         |         |         |
|        |                    | 7697 ASSEGGAATGAGLDSLHK                         |         |         |         |
|        |                    | 7698 SLESALKDLK                                 |         |         |         |
| P04441 | P04441 HG2A_MOUSE  | H-2 class II histocompatibility antigen gamma c | 0.51575 | 0.23105 | 9.6774  |
|        |                    | 7699 SGPLEYPQLK[134]                            |         |         |         |
|        |                    | 7700 SGPLEYPQLK                                 |         |         |         |
|        |                    | 7701 DLISNHEQLPILGNRPR                          |         |         |         |
| O70252 | O70252 HMOX2_MOUSE | Heme oxygenase 2 - Mus musculus                 | 0.39022 | 0.36486 | 21.5873 |
|        |                    | 7702 IHYVGQNEPELLVAHAYTR                        |         |         |         |
|        |                    | 7703 IHYVGQNEPELLVAHAYTR[162]                   |         |         |         |
|        |                    | 7704 ETLEDGLPVHDGKGDIR                          |         |         |         |
|        |                    | 7705 ETLEDGLPVHDGKGDIRK                         |         |         |         |
|        |                    | 7706 YMGDLSGGQVLKK                              |         |         |         |
|        |                    | 7707 MNALDLNLK[134]                             |         |         |         |
|        |                    | 7708 MADLSELLK[134]                             |         |         |         |
|        |                    | 7709 MADLSELLK                                  |         |         |         |
|        |                    | 7710 MNALDLNLK                                  |         |         |         |
| Q9DB25 | Q9DB25 ALG5_MOUSE  | Dolichyl-phosphate beta-glucosyltransferase -   | 0.46994 | 0.27514 | 10.1852 |



|        |                    |      |                                                |          |         |         |
|--------|--------------------|------|------------------------------------------------|----------|---------|---------|
|        |                    | 7711 | ILMADADGATKFPDVEKLEK                           |          |         |         |
|        |                    | 7712 | QLSVVVPSYNEEK[134]                             |          |         |         |
|        |                    | 7713 | QLSVVVPSYNEEK                                  |          |         |         |
| P16110 | P16110 LEG3_MOUSE  |      | Galectin-3 - Mus musculus                      | -0.15843 | 0.68969 | 16.2879 |
|        |                    | 7714 | IVLDFR                                         |          |         |         |
|        |                    | 7715 | IVLDFR[162]                                    |          |         |         |
|        |                    | 7716 | IQVLVEADHFK                                    |          |         |         |
|        |                    | 7717 | IVLDFRR                                        |          |         |         |
|        |                    | 7718 | VAVNDAHLLQYNHR                                 |          |         |         |
|        |                    | 7719 | GNDVAFHFNPR[162]                               |          |         |         |
|        |                    | 7720 | IQVLVEADHFK[134]                               |          |         |         |
|        |                    | 7721 | GNDVAFHFNPR                                    |          |         |         |
|        |                    | 7722 | VAVNDAHLLQYNHR[162]                            |          |         |         |
| Q60930 | Q60930 VDAC2_MOUSE |      | Voltage-dependent anion-selective channel pr   | -0.31235 | 0.43118 | 30.8475 |
|        |                    | 7723 | LTLALVDGK[134]                                 |          |         |         |
|        |                    | 7724 | LTLALVDGK                                      |          |         |         |
|        |                    | 7725 | GFGFGLVK[134]                                  |          |         |         |
|        |                    | 7726 | GFGFGLVK                                       |          |         |         |
|        |                    | 7727 | VNNSSLIGVGYTQTLRPGVK                           |          |         |         |
|        |                    | 7728 | VNNSSLIGVGYTQTLR[162]PGVK[134]                 |          |         |         |
|        |                    | 7729 | LTFTTFSPNTGK[134]                              |          |         |         |
|        |                    | 7730 | SNFAVGYR                                       |          |         |         |
|        |                    | 7731 | YQLDPTASISAK[134]                              |          |         |         |
|        |                    | 7732 | YQLDPTASISAK                                   |          |         |         |
|        |                    | 7733 | LTFTTFSPNTGK                                   |          |         |         |
|        |                    | 7734 | SC[174]SGVEFSTSGSNTDTGK                        |          |         |         |
|        |                    | 7735 | LTFTTFSPNTGKK                                  |          |         |         |
|        |                    | 7736 | SNFAVGYR[162]                                  |          |         |         |
|        |                    | 7737 | LTFTTFSPNTGK[134]K[134]                        |          |         |         |
| Q922Q8 | Q922Q8 LRC59_MOUSE |      | Leucine-rich repeat-containing protein 59 - Mt | -0.22120 | 0.57721 | 20.1954 |
|        |                    | 7738 | LVTLPVSFAQLK                                   |          |         |         |

|        |                    |                                              |          |         |         |
|--------|--------------------|----------------------------------------------|----------|---------|---------|
|        |                    | 7739 LVTLPVSFAQLK[134]                       |          |         |         |
|        |                    | 7740 LQQLPADFGR[162]                         |          |         |         |
|        |                    | 7741 LVNLQHLDLLNNR                           |          |         |         |
|        |                    | 7742 LVNLQHLDLLNNR[162]                      |          |         |         |
|        |                    | 7743 WLDLKDNPDPVLAK                          |          |         |         |
|        |                    | 7744 WLDLK[134]DNPLDPVLAK[134]               |          |         |         |
|        |                    | 7745 LQQLPADFGR                              |          |         |         |
|        |                    | 7746 NK[134]LQQLPADFGR[162]                  |          |         |         |
|        |                    | 7747 ATVLDLSC[174]NK[134]                    |          |         |         |
|        |                    | 7748 ATVLDLSC[174]NK                         |          |         |         |
| P59481 | P59481 LMA2L_MOUSE | VIP36-like protein precursor - Mus musculus  | 0.00760  | 0.98592 | 5.4755  |
|        |                    | 7749 LFELTGVR[162]                           |          |         |         |
|        |                    | 7750 LFELTGVR                                |          |         |         |
|        |                    | 7751 DVFLPSVDNLK                             |          |         |         |
| P62908 | P62908 RS3_MOUSE   | 40S ribosomal protein S3 - Mus musculus      | 0.04973  | 0.90807 | 14.4033 |
|        |                    | 7752 AELNEFLTR                               |          |         |         |
|        |                    | 7753 ELAEDGYSGVEVR                           |          |         |         |
|        |                    | 7754 ELAEDGYSGVEVR[162]                      |          |         |         |
|        |                    | 7755 DEILPTTPISEQK                           |          |         |         |
|        |                    | 7756 DEILPTTPISEQK[134]                      |          |         |         |
| Q9DC16 | Q9DC16 ERGI1_MOUSE | Endoplasmic reticulum-Golgi intermediate con | -0.57736 | 0.14565 | 10.6897 |
|        |                    | 7757 IIPAIWFR                                |          |         |         |
|        |                    | 7758 LTSNPLASHDYILK                          |          |         |         |
|        |                    | 7759 LTSNPLASHDYILK[134]                     |          |         |         |
|        |                    | 7760 YDLSPITVK                               |          |         |         |
|        |                    | 7761 IIPAIWFR[162]                           |          |         |         |
| O70251 | O70251 EF1B_MOUSE  | Elongation factor 1-beta - Mus musculus      | -0.21123 | 0.59448 | 12.4444 |
|        |                    | 7762 TPAGLQVLNDYLADK                         |          |         |         |
|        |                    | 7763 TPAGLQVLNDYLADK[134]                    |          |         |         |
|        |                    | 7764 SIQADGLVWGSSK                           |          |         |         |
|        |                    | 7765 SIQADGLVWGSSK[134]                      |          |         |         |

|        |                    |                                             |          |         |         |
|--------|--------------------|---------------------------------------------|----------|---------|---------|
| P25444 | P25444 RS2_MOUSE   | 40S ribosomal protein S2 - Mus musculus     | 0.40080  | 0.35199 | 28.6689 |
|        |                    | 7766 TSYLTPDLWK                             |          |         |         |
|        |                    | 7767 SPYQEFTDHLVK[134]                      |          |         |         |
|        |                    | 7768 GTGIVSAPVPK                            |          |         |         |
|        |                    | 7769 SPYQEFTDHLVK                           |          |         |         |
|        |                    | 7770 TSYLTPDLWK[134]                        |          |         |         |
|        |                    | 7771 GC[174]TATLGNFAK[134]                  |          |         |         |
|        |                    | 7772 GC[174]TATLGNFAK                       |          |         |         |
|        |                    | 7773 SLEEIYFSLPIK                           |          |         |         |
|        |                    | 7774 GTGIVSAPVPK[134]                       |          |         |         |
|        |                    | 7775 AEDKEWIPVK                             |          |         |         |
|        |                    | 7776 LSIVPVR[162]                           |          |         |         |
|        |                    | 7777 ATFDAISK[134]                          |          |         |         |
| P48036 | P48036 ANXA5_MOUSE | Annexin A5 - Mus musculus                   | 0.41460  | 0.33566 | 19.7492 |
|        |                    | 7778 VLTEIIASR                              |          |         |         |
|        |                    | 7779 GTVTDFPGFDGR                           |          |         |         |
|        |                    | 7780 VLTEIIASR[162]                         |          |         |         |
|        |                    | 7781 TPEELSAIK                              |          |         |         |
|        |                    | 7782 GLGTDEDSILNLLTSR                       |          |         |         |
|        |                    | 7783 SEIDLFNIR                              |          |         |         |
|        |                    | 7784 LYDAYELK                               |          |         |         |
|        |                    | 7785 LYDAYELK[134]                          |          |         |         |
| P50518 | P50518 VATE1_MOUSE | Vacuolar proton pump subunit E 1 - Mus musc | -1.91334 | 0.00000 | 34.5133 |
|        |                    | 7786 AR[162]DDLITDLLNEAK[134]               |          |         |         |
|        |                    | 7787 ARDDLITDLLNEAK                         |          |         |         |
|        |                    | 7788 AR[162]DDLITDLLNEAK[134]QR[162]        |          |         |         |
|        |                    | 7789 LDLIAQQMMPEVR                          |          |         |         |
|        |                    | 7790 IQMSNLMNQAR[162]                       |          |         |         |
|        |                    | 7791 LDLIAQQMMPEVR[162]                     |          |         |         |
|        |                    | 7792 AEEEFNIEK[134]                         |          |         |         |
|        |                    | 7793 GALFGANANR[162]                        |          |         |         |

|        |                    |                                               |          |         |         |
|--------|--------------------|-----------------------------------------------|----------|---------|---------|
|        |                    | 7794 GALFGANANR[162]K[134]                    |          |         |         |
|        |                    | 7795 DDLITDLLNEAK[134]                        |          |         |         |
|        |                    | 7796 K[134]QDFPLVK[134]                       |          |         |         |
|        |                    | 7797 AEEEFNIEK                                |          |         |         |
|        |                    | 7798 GALFGANANR                               |          |         |         |
|        |                    | 7799 IK[134]VSNTLESR[162]                     |          |         |         |
|        |                    | 7800 GALFGANANRK                              |          |         |         |
|        |                    | 7801 KQDFPLVK                                 |          |         |         |
|        |                    | 7802 VSNTLESR[162]                            |          |         |         |
|        |                    | 7803 DDLITDLLNEAK                             |          |         |         |
| P57746 | P57746 VATD_MOUSE  | Vacuolar proton pump subunit D - Mus muscu    | -1.48708 | 0.00018 | 29.5547 |
|        |                    | 7804 FTAGDFSTTVIQNVNK                         |          |         |         |
|        |                    | 7805 FTAGDFSTTVIQNVNK[134]                    |          |         |         |
|        |                    | 7806 TLAYIITELDER[162]                        |          |         |         |
|        |                    | 7807 VNAIEHVIIIPR[162]                        |          |         |         |
|        |                    | 7808 VNAIEHVIIIPR                             |          |         |         |
|        |                    | 7809 R[162]VNAIEHVIIIPR[162]                  |          |         |         |
|        |                    | 7810 EAAFSLAEAK[134]                          |          |         |         |
|        |                    | 7811 EAAFSLAEAK                               |          |         |         |
|        |                    | 7812 AAGEVMEPANLLAEEK[134]DEDLLFE             |          |         |         |
| P68040 | P68040 GBLP_MOUSE  | Guanine nucleotide-binding protein subunit bε | 0.12007  | 0.78039 | 18.2965 |
|        |                    | 7813 IIVDELKQEVISTSSK                         |          |         |         |
|        |                    | 7814 IIVDELK[134]QEVISTSSK[134]               |          |         |         |
|        |                    | 7815 DVLSVAFSSDNR                             |          |         |         |
|        |                    | 7816 DVLSVAFSSDNR[162]                        |          |         |         |
|        |                    | 7817 VWQVTIGTR                                |          |         |         |
|        |                    | 7818 DETNYGIPQR                               |          |         |         |
|        |                    | 7819 VWQVTIGTR[162]                           |          |         |         |
|        |                    | 7820 DETNYGIPQR[162]                          |          |         |         |
|        |                    | 7821 LWDLTGTGTTTR                             |          |         |         |
| P97429 | P97429 ANXA4_MOUSE | Annexin A4 - Mus musculus                     | 0.38582  | 0.37028 | 44.8276 |

|        |                     |                                              |         |         |         |
|--------|---------------------|----------------------------------------------|---------|---------|---------|
|        |                     | 7822 AASGFNATEDAQTLR                         |         |         |         |
|        |                     | 7823 AASGFNATEDAQTLR[162]                    |         |         |         |
|        |                     | 7824 AASGFNATEDAQTLR[162]K[134]              |         |         |         |
|        |                     | 7825 INQTYQQQYGR[162]                        |         |         |         |
|        |                     | 7826 SETSGSFEDALLAIVK                        |         |         |         |
|        |                     | 7827 SETSGSFEDALLAIVK[134]                   |         |         |         |
|        |                     | 7828 QDAQELYEAGEKR                           |         |         |         |
|        |                     | 7829 QDAQELYEAGEK[134]R[162]                 |         |         |         |
|        |                     | 7830 INQTYQQQYGR                             |         |         |         |
|        |                     | 7831 AASGFNATEDAQTLRK                        |         |         |         |
|        |                     | 7832 GLGTDDNTLIR[162]                        |         |         |         |
|        |                     | 7833 AEIDMLDIR[162]                          |         |         |         |
|        |                     | 7834 GLGTDDNTLIR                             |         |         |         |
|        |                     | 7835 ISQKDIEQSIK                             |         |         |         |
|        |                     | 7836 AEIDMLDIR                               |         |         |         |
|        |                     | 7837 SK[134]PSYFAER[162]                     |         |         |         |
|        |                     | 7838 ISQK[134]DIEQSIK[134]                   |         |         |         |
|        |                     | 7839 SKPSYFAER                               |         |         |         |
|        |                     | 7840 SLYSFIK[134]                            |         |         |         |
|        |                     | 7841 SLYSFIK                                 |         |         |         |
|        |                     | 7842 GAGTDEGC[174]LIEILASR                   |         |         |         |
|        |                     | 7843 GAGTDEGC[174]LIEILASR[162]              |         |         |         |
|        |                     | 7844 GLGTDEDAIIGILAYR                        |         |         |         |
|        |                     | 7845 GLGTDEDAIIGILAYR[162]                   |         |         |         |
|        |                     | 7846 FLSILC[174]SR                           |         |         |         |
| Q3UCL0 | Q3UCL0 Q3UCL0_MOUSE | Bone marrow macrophage cDNA, RIKEN full-le   | 0.39022 | 0.36486 | 6.8966  |
|        |                     | 7847 VLVSLSAAGR                              |         |         |         |
|        |                     | 7848 VLVSLSAAGR[162]                         |         |         |         |
|        |                     | 7849 VLVSLSAAGRDEGNYLDDALMK                  |         |         |         |
| Q8VBT0 | Q8VBT0 TXND1_MOUSE  | Thioredoxin domain-containing protein 1 prec | 0.03330 | 0.93836 | 13.3094 |
|        |                     | 7850 VDVTEQTGLSGR[162]                       |         |         |         |

|        |                    |                                                  |          |         |         |
|--------|--------------------|--------------------------------------------------|----------|---------|---------|
|        |                    | 7851 VDVTEQTGLSGR                                |          |         |         |
|        |                    | 7852 KTSPEFSQPLKK                                |          |         |         |
|        |                    | 7853 FIITALPSIYHC[174]K                          |          |         |         |
|        |                    | 7854 FIITALPSIYHC[174]K[134]                     |          |         |         |
| Q91VR2 | Q91VR2 ATPG_MOUSE  | ATP synthase subunit gamma, mitochondrial p      | -0.84040 | 0.03418 | 8.3893  |
|        |                    | 7855 VYGTGSLALYEK                                |          |         |         |
|        |                    | 7856 ELIEIISGAAALD                               |          |         |         |
|        |                    | 7857 VYGTGSLALYEK[134]                           |          |         |         |
| Q921M7 | Q921M7 FA49B_MOUSE | Protein FAM49B - Mus musculus                    | -0.21123 | 0.59448 | 13.2716 |
|        |                    | 7858 INNVPAEGENEVNNELANR                         |          |         |         |
|        |                    | 7859 INNVPAEGENEVNNELANR[162]                    |          |         |         |
|        |                    | 7860 DAEGILEDLQSYR                               |          |         |         |
|        |                    | 7861 DAEGILEDLQSYR[162]                          |          |         |         |
|        |                    | 7862 AWGAVVPLVGK[134]                            |          |         |         |
| Q9CRD2 | Q9CRD2 TTC35_MOUSE | Tetratricopeptide repeat protein 35 - Mus mus    | 0.14020  | 0.74474 | 17.8451 |
|        |                    | 7863 YDDAIQLYDR[162]                             |          |         |         |
|        |                    | 7864 YTGGLLENLELSR                               |          |         |         |
|        |                    | 7865 YTGGLLENLELSR[162]                          |          |         |         |
|        |                    | 7866 YDDAIQLYDR                                  |          |         |         |
|        |                    | 7867 YASWAANQINR                                 |          |         |         |
|        |                    | 7868 ILQEDPTNTAAR                                |          |         |         |
|        |                    | 7869 ILQEDPTNTAAR[162]                           |          |         |         |
|        |                    | 7870 AYQFAGR                                     |          |         |         |
| Q9CVB6 | Q9CVB6 ARPC2_MOUSE | Actin-related protein 2/3 complex subunit 2 - I  | -0.60978 | 0.12434 | 10.6667 |
|        |                    | 7871 YFQFQEEGK[134]EGENR[162]                    |          |         |         |
|        |                    | 7872 MILLEVNNR                                   |          |         |         |
|        |                    | 7873 YFQFQEEGKEGENR                              |          |         |         |
|        |                    | 7874 IIEETLALK                                   |          |         |         |
| Q9Z1Q5 | Q9Z1Q5 CLIC1_MOUSE | Chloride intracellular channel protein 1 - Mus m | -0.64295 | 0.10515 | 24.4813 |
|        |                    | 7875 LAALNPESNTSGLDIFAK[134]                     |          |         |         |
|        |                    | 7876 LAALNPESNTSGLDIFAK                          |          |         |         |

|        |                    |                                               |          |         |         |
|--------|--------------------|-----------------------------------------------|----------|---------|---------|
|        |                    | 7877 NSNPALNDNLEK                             |          |         |         |
|        |                    | 7878 NSNPALNDNLEK[134]                        |          |         |         |
|        |                    | 7879 GVTFNVTTVDTK                             |          |         |         |
|        |                    | 7880 YLSNAYAR[162]                            |          |         |         |
|        |                    | 7881 GVTFNVTTVDTK[134]                        |          |         |         |
|        |                    | 7882 GFTIPEAFR[162]                           |          |         |         |
|        |                    | 7883 YLSNAYAR                                 |          |         |         |
| P47757 | P47757 CAPZB_MOUSE | F-actin-capping protein subunit beta - Mus mu | -0.22373 | 0.57286 | 6.8592  |
|        |                    | 7884 STLNEIYFGK[134]                          |          |         |         |
|        |                    | 7885 STLNEIYFGK                               |          |         |         |
|        |                    | 7886 RLPPQQIEK                                |          |         |         |
|        |                    | 7887 R[162]LPPQQIEK[134]                      |          |         |         |
| P60904 | P60904 DNJC5_MOUSE | DnaJ homolog subfamily C member 5 - Mus m     | -0.32775 | 0.40880 | 16.1616 |
|        |                    | 7888 EINNAHAILTDATKR                          |          |         |         |
|        |                    | 7889 EINNAHAILTDATK[134]R[162]                |          |         |         |
|        |                    | 7890 YHPDK[134]NPDNPEAADK[134]FK[134]         |          |         |         |
| P14148 | P14148 RL7_MOUSE   | 60S ribosomal protein L7 - Mus musculus       | 0.13046  | 0.76193 | 32.963  |
|        |                    | 7891 IALTDNSLIAR[162]                         |          |         |         |
|        |                    | 7892 IALTDNSLIAR                              |          |         |         |
|        |                    | 7893 IVEPYIAWGYPNLK                           |          |         |         |
|        |                    | 7894 IVEPYIAWGYPNLK[134]                      |          |         |         |
|        |                    | 7895 TTHFVEGGDAGNR[162]                       |          |         |         |
|        |                    | 7896 AGNFYVPAEPK                              |          |         |         |
|        |                    | 7897 VPAVPETLKK                               |          |         |         |
|        |                    | 7898 VATVPGTLKK                               |          |         |         |
|        |                    | 7899 KAGNFYVPAEPK                             |          |         |         |
|        |                    | 7900 VPAVPETLK[134]                           |          |         |         |
|        |                    | 7901 EANNFLWPFK[134]                          |          |         |         |
|        |                    | 7902 SVNELIYKR                                |          |         |         |
|        |                    | 7903 EANNFLWPFK                               |          |         |         |
|        |                    | 7904 K[134]AGNFYVPAEPK[134]                   |          |         |         |

|        |                    |                                          |          |         |         |
|--------|--------------------|------------------------------------------|----------|---------|---------|
|        |                    | 7905 AGNFYVPAEPK[134]                    |          |         |         |
|        |                    | 7906 VPAVPETLK                           |          |         |         |
|        |                    | 7907 VATVPGTLK[134]K[134]                |          |         |         |
|        |                    | 7908 SVNELIYK[134]                       |          |         |         |
| Q9CZX7 | Q9CZX7 TM55A_MOUSE | Transmembrane protein 55A - Mus musculus | 0.21619  | 0.61565 | 27.2374 |
|        |                    | 7909 SPLLSASHSGNVPTAPPYLQESSPR           |          |         |         |
|        |                    | 7910 AELPPPYTAIASPGTSGIPVINC[174]R       |          |         |         |
|        |                    | 7911 AELPPPYTAIASPGTSGIPVINC[174]R[162]  |          |         |         |
|        |                    | 7912 VC[174]QSLINLDGK                    |          |         |         |
|        |                    | 7913 VC[174]QSLINLDGK[134]               |          |         |         |
|        |                    | 7914 VSYPEHGFA                           |          |         |         |
| P97351 | P97351 RS3A_MOUSE  | 40S ribosomal protein S3a - Mus musculus | -0.38272 | 0.33478 | 41.2879 |
|        |                    | 7915 ADGYEPPVQESV                        |          |         |         |
|        |                    | 7916 AC[174]QSIYPLHDVFVR[162]            |          |         |         |
|        |                    | 7917 EVQTNDLK[134]EVVNK[134]             |          |         |         |
|        |                    | 7918 VERADGYEPPVQESV                     |          |         |         |
|        |                    | 7919 AAGDETGAKVERADGYEPPVQESV            |          |         |         |
|        |                    | 7920 APAMFNIR                            |          |         |         |
|        |                    | 7921 TSYAQHQQVR[162]                     |          |         |         |
|        |                    | 7922 AC[174]QSIYPLHDVFVR                 |          |         |         |
|        |                    | 7923 TSYAQHQQVR                          |          |         |         |
|        |                    | 7924 TTDGYLLR                            |          |         |         |
|        |                    | 7925 APAMFNIR[162]                       |          |         |         |
|        |                    | 7926 FK[134]LITEDVQGK[134]               |          |         |         |
|        |                    | 7927 TTDGYLLR[162]                       |          |         |         |
|        |                    | 7928 FKLITEDVQGK                         |          |         |         |
|        |                    | 7929 K[134]TSYAQHQQVR[162]               |          |         |         |
|        |                    | 7930 EVQTNDLKEVVNK                       |          |         |         |
|        |                    | 7931 LIPDSIGKDIEK                        |          |         |         |
|        |                    | 7932 LIPDSIGK[134]DIEK[134]              |          |         |         |
|        |                    | 7933 VER[162]ADGYEPPVQESV                |          |         |         |



|        |                   |                                          |          |         |         |
|--------|-------------------|------------------------------------------|----------|---------|---------|
|        |                   | 7934 EVQTNDLK[134]                       |          |         |         |
|        |                   | 7935 LITEDVQGK[134]                      |          |         |         |
|        |                   | 7936 AAGDETGAKVER                        |          |         |         |
|        |                   | 7937 LFC[174]VGFTK                       |          |         |         |
| P12970 | P12970 RL7A_MOUSE | 60S ribosomal protein L7a - Mus musculus | 0.98089  | 0.02274 | 33.0827 |
|        |                   | 7938 AGVNTVTTLVENK                       |          |         |         |
|        |                   | 7939 VPPAINQFTQALDR                      |          |         |         |
|        |                   | 7940 VPPAINQFTQALDR[162]                 |          |         |         |
|        |                   | 7941 NFGIGQDIQPK                         |          |         |         |
|        |                   | 7942 NFGIGQDIQPK[134]                    |          |         |         |
|        |                   | 7943 AGVNTVTTLVENKK                      |          |         |         |
|        |                   | 7944 KVAPAPAVVK                          |          |         |         |
|        |                   | 7945 KVVNPLFEK                           |          |         |         |
|        |                   | 7946 AGVNTVTTLVENK[134]                  |          |         |         |
|        |                   | 7947 TC[174]TTVAFTQVNSEDK[134]GALAK[134] |          |         |         |
|        |                   | 7948 TC[174]TTVAFTQVNSEDKGALAK           |          |         |         |
|        |                   | 7949 K[134]VVNPLFEK[134]                 |          |         |         |
|        |                   | 7950 HWGGNVLGPK                          |          |         |         |
|        |                   | 7951 AGVNTVTTLVENK[134]K[134]            |          |         |         |
|        |                   | 7952 K[134]VAPAPAVVK[134]                |          |         |         |
|        |                   | 7953 VVNPLFEK                            |          |         |         |
|        |                   | 7954 VVNPLFEK[134]                       |          |         |         |
| P58771 | P58771 TPM1_MOUSE | Tropomyosin alpha-1 chain - Mus musculus | -0.56142 | 0.15710 | 15.8451 |
|        |                   | 7955 LATALQKLEEA EK                      |          |         |         |
|        |                   | 7956 LATALQKLEEA EKA ADESER              |          |         |         |
|        |                   | 7957 IQLVEEELDR[162]AQER[162]            |          |         |         |
|        |                   | 7958 LATALQK                             |          |         |         |
|        |                   | 7959 EAETR[162]AEFAER[162]               |          |         |         |
|        |                   | 7960 IQLVEEELDRAQER                      |          |         |         |
|        |                   | 7961 LATALQK[134]                        |          |         |         |
| P62754 | P62754 RS6_MOUSE  | 40S ribosomal protein S6 - Mus musculus  | 0.33166  | 0.44119 | 11.245  |

|        |                     |                                              |          |         |         |
|--------|---------------------|----------------------------------------------|----------|---------|---------|
|        |                     | 7962 LNISFPATGC[174]QK                       |          |         |         |
|        |                     | 7963 DIPGLDTTVPR                             |          |         |         |
|        |                     | 7964 KGEKDIPGLDTTVPR                         |          |         |         |
| P62918 | P62918 RL8_MOUSE    | 60S ribosomal protein L8 - Mus musculus      | 0.29123  | 0.49886 | 26.8482 |
|        |                     | 7965 ASGNYATVISHNPETK                        |          |         |         |
|        |                     | 7966 ASGNYATVISHNPETK[134]                   |          |         |         |
|        |                     | 7967 AVVGVVAGGGR                             |          |         |         |
|        |                     | 7968 AVVGVVAGGGRIDKPILK                      |          |         |         |
|        |                     | 7969 AVVGVVAGGGR[162]                        |          |         |         |
|        |                     | 7970 KVGLIAAR                                |          |         |         |
|        |                     | 7971 K[134]GAGSVFR[162]                      |          |         |         |
|        |                     | 7972 GIVKDIIHDPGR                            |          |         |         |
|        |                     | 7973 AVDFAER                                 |          |         |         |
|        |                     | 7974 GAGSVFR[162]                            |          |         |         |
|        |                     | 7975 KGAGSVFR                                |          |         |         |
|        |                     | 7976 K[134]VGLIAAR[162]                      |          |         |         |
|        |                     | 7977 GAGSVFR                                 |          |         |         |
|        |                     | 7978 AVDFAER[162]                            |          |         |         |
| Q3TJ53 | Q3TJ53 Q3TJ53_MOUSE | 15 days pregnant adult female placenta cDNA, | -0.54565 | 0.16908 | 28.629  |
|        |                     | 7979 TIDDEDK[134]LK[134]                     |          |         |         |
|        |                     | 7980 KIQVLQQQADDAEERAER                      |          |         |         |
|        |                     | 7981 C[174]TK[134]EEHLC[174]TQR[162]         |          |         |         |
|        |                     | 7982 C[174]TKEEHLC[174]TQR                   |          |         |         |
|        |                     | 7983 MLDQTLLDLNEM                            |          |         |         |
|        |                     | 7984 IQVLQQQADDAEERAER                       |          |         |         |
|        |                     | 7985 TEER[162]AELAESR[162]                   |          |         |         |
|        |                     | 7986 IQVLQQQADDAEER[162]AER[162]             |          |         |         |
|        |                     | 7987 TIDDEDK                                 |          |         |         |
|        |                     | 7988 LQR[162]EVEGER[162]                     |          |         |         |
| Q58E70 | Q58E70 Q58E70_MOUSE | Tpm3 protein - Mus musculus                  | -0.64295 | 0.10515 | 6.0484  |
|        |                     | 7989 AREQAEAEVASLNRR                         |          |         |         |

|        |                    |                                                   |          |         |         |
|--------|--------------------|---------------------------------------------------|----------|---------|---------|
|        |                    | 7990 AR[162]EQAEAEVASLNR[162]                     |          |         |         |
|        |                    | 7991 AREQAEAEVASLNR                               |          |         |         |
| Q58NB6 | Q58NB6 DHRS9_MOUSE | Dehydrogenase/reductase SDR family member         | -0.67690 | 0.08802 | 10.9718 |
|        |                    | 7992 VINVSSIGGR                                   |          |         |         |
|        |                    | 7993 LHTVLLDVTDPENVKK                             |          |         |         |
|        |                    | 7994 VINVSSIGGR[162]                              |          |         |         |
|        |                    | 7995 QK[134]VELANPK[134]                          |          |         |         |
| Q8VE96 | Q8VE96 CB018_MOUSE | Uncharacterized protein C2orf18 homolog precursor | 0.06007  | 0.88907 | 10.2151 |
|        |                    | 7996 GVLEDALDAFC[174]QVGR                         |          |         |         |
|        |                    | 7997 LPTQEGEQER                                   |          |         |         |
|        |                    | 7998 LPTQEGEQER[162]                              |          |         |         |
|        |                    | 7999 LLGDSRTPINEAS                                |          |         |         |
|        |                    | 8000 LLGDSR[162]TPINEAS                           |          |         |         |
| Q9CXS4 | Q9CXS4 PRR6_MOUSE  | Proline-rich protein 6 - Mus musculus             | 0.50064  | 0.24500 | 10.3175 |
|        |                    | 8001 LLLDTFEYQGLVK                                |          |         |         |
|        |                    | 8002 SGATGGLSGGESR[162]                           |          |         |         |
|        |                    | 8003 SGATGGLSGGESR                                |          |         |         |
| Q9CXT7 | Q9CXT7 TM192_MOUSE | Transmembrane protein 192 - Mus musculus          | 0.40652  | 0.34517 | 9.7744  |
|        |                    | 8004 LLELATQPAR[162]T                             |          |         |         |
|        |                    | 8005 IYAYPSNTASETGFR[162]                         |          |         |         |
|        |                    | 8006 IYAYPSNTASETGFR                              |          |         |         |
|        |                    | 8007 LLELATQPAR                                   |          |         |         |
|        |                    | 8008 LLELATQPART                                  |          |         |         |
| Q9DCN2 | Q9DCN2 NB5R3_MOUSE | NADH-cytochrome b5 reductase 3 - Mus musculus     | 0.54549  | 0.20525 | 12.6246 |
|        |                    | 8009 STPAITLENPDIKYPLR                            |          |         |         |
|        |                    | 8010 STPAITLENPDIK[134]                           |          |         |         |
|        |                    | 8011 LIDKEVISPDTRR                                |          |         |         |
|        |                    | 8012 STPAITLENPDIK                                |          |         |         |
|        |                    | 8013 LIDKEVISPDTR                                 |          |         |         |
|        |                    | 8014 STPAITLENPDIK[134]YPLR[162]                  |          |         |         |
|        |                    | 8015 IGDITIEFR[162]                               |          |         |         |

|        |                     |                                                 |          |         |         |
|--------|---------------------|-------------------------------------------------|----------|---------|---------|
|        |                     | 8016 LIDK[134]EVISPDTR[162]                     |          |         |         |
|        |                     | 8017 IGDITIEFR                                  |          |         |         |
|        |                     | 8018 EVISPDTR                                   |          |         |         |
| A2AMV7 | A2AMV7 A2AMV7_MOUSE | Capping protein (Actin filament) muscle Z-line, | -0.11502 | 0.77191 | 7.6412  |
|        |                     | 8019 SKQEALKNDLVEALK                            |          |         |         |
|        |                     | 8020 SVQTFADK                                   |          |         |         |
|        |                     | 8021 SVQTFADK[134]                              |          |         |         |
| Q8VEM8 | Q8VEM8 MPCP_MOUSE   | Phosphate carrier protein, mitochondrial prec   | 0.02882  | 0.94665 | 6.1625  |
|        |                     | 8022 IQTQPGYANTLR[162]                          |          |         |         |
|        |                     | 8023 IQTQPGYANTLR                               |          |         |         |
|        |                     | 8024 GSTASQVLQR[162]                            |          |         |         |
|        |                     | 8025 GSTASQVLQR                                 |          |         |         |
| Q91V41 | Q91V41 RAB14_MOUSE  | Ras-related protein Rab-14 - Mus musculus       | 0.03067  | 0.94322 | 26.9767 |
|        |                     | 8026 TGENVEDAFLEAAK                             |          |         |         |
|        |                     | 8027 LTSEPQPQR                                  |          |         |         |
|        |                     | 8028 LTSEPQPQR[162]                             |          |         |         |
|        |                     | 8029 NLTNPNTVILIGNK                             |          |         |         |
|        |                     | 8030 TGENVEDAFLEAAKK                            |          |         |         |
|        |                     | 8031 NLTNPNTVILIGNK[134]                        |          |         |         |
|        |                     | 8032 TGENVEDAFLEAAK[134]                        |          |         |         |
|        |                     | 8033 TGENVEDAFLEAAK[134]K[134]                  |          |         |         |
|        |                     | 8034 YIIIGDMGVGK                                |          |         |         |
|        |                     | 8035 IIEVSGQK                                   |          |         |         |
|        |                     | 8036 IIEVSGQK[134]                              |          |         |         |
| Q9D3G5 | Q9D3G5 STX11_MOUSE  | Syntaxin-11 - Mus musculus                      | -0.24904 | 0.53025 | 6.2718  |
|        |                     | 8037 LAELQELSR                                  |          |         |         |
|        |                     | 8038 LAELQELSR[162]                             |          |         |         |
|        |                     | 8039 AALNEIESR[162]                             |          |         |         |
|        |                     | 8040 AALNEIESR                                  |          |         |         |
| P47915 | P47915 RL29_MOUSE   | 60S ribosomal protein L29 - Mus musculus        | 0.63122  | 0.14270 | 9.375   |
|        |                     | 8041 AQASAPAQAPK[134]                           |          |         |         |

|        |                   |                                               |         |         |         |
|--------|-------------------|-----------------------------------------------|---------|---------|---------|
|        |                   | 8042 AQASAPAAQAPK                             |         |         |         |
|        |                   | 8043 APAKAQASAPAAQAPK                         |         |         |         |
| Q9WV55 | Q9WV55 VAPA_MOUSE | Vesicle-associated membrane protein-associat  | 0.33166 | 0.44119 | 23.6948 |
|        |                   | 8044 GPFTDVVTTNLK                             |         |         |         |
|        |                   | 8045 HEQILVLDPPSDLK                           |         |         |         |
|        |                   | 8046 GPFTDVVTTNLK[134]                        |         |         |         |
|        |                   | 8047 VAHSDKPGSTSAVSFR                         |         |         |         |
|        |                   | 8048 HEQILVLDPPSDLK[134]                      |         |         |         |
|        |                   | 8049 LQGEMMK                                  |         |         |         |
|        |                   | 8050 FK[134]GPFTDVVTTNLK[134]                 |         |         |         |
|        |                   | 8051 FKGPFTDVVTTNLK                           |         |         |         |
|        |                   | 8052 HEQILVLDPPSDLKFK                         |         |         |         |
|        |                   | 8053 HLRDEGLR                                 |         |         |         |
| P62702 | P62702 RS4X_MOUSE | 40S ribosomal protein S4, X isoform - Mus mus | 0.08538 | 0.84284 | 51.3308 |
|        |                   | 8054 LSNIFVIGK                                |         |         |         |
|        |                   | 8055 LSNIFVIGK[134]                           |         |         |         |
|        |                   | 8056 FDTGNLC[174]MVTGGANLGR                   |         |         |         |
|        |                   | 8057 TDITYPAGFMDVISIDK[134]                   |         |         |         |
|        |                   | 8058 VNDTIQIDLETGK                            |         |         |         |
|        |                   | 8059 HPGSFDVVHVK                              |         |         |         |
|        |                   | 8060 HPGSFDVVHVK[134]                         |         |         |         |
|        |                   | 8061 TDITYPAGFMDVISIDK                        |         |         |         |
|        |                   | 8062 FDTGNLC[174]MVTGGANLGR[162]              |         |         |         |
|        |                   | 8063 GNKPWISLPR                               |         |         |         |
|        |                   | 8064 GNK[134]PWISLPR[162]                     |         |         |         |
|        |                   | 8065 DANGNSFATR                               |         |         |         |
|        |                   | 8066 YALTGDEVK[134]K[134]                     |         |         |         |
|        |                   | 8067 EC[174]LPLIIFLR                          |         |         |         |
|        |                   | 8068 DANGNSFATR[162]                          |         |         |         |
|        |                   | 8069 TIR[162]YPDPLIK[134]                     |         |         |         |
|        |                   | 8070 TIRYPDPLIK                               |         |         |         |

|        |                     |                                             |          |         |         |
|--------|---------------------|---------------------------------------------|----------|---------|---------|
|        |                     | 8071 YALTGDEVK                              |          |         |         |
|        |                     | 8072 YALTGDEVKK                             |          |         |         |
|        |                     | 8073 YALTGDEVK[134]                         |          |         |         |
|        |                     | 8074 TIR[162]YPDPLIK                        |          |         |         |
|        |                     | 8075 GIPHLVTHDAR[162]                       |          |         |         |
|        |                     | 8076 EC[174]LPLIIFLR[162]                   |          |         |         |
|        |                     | 8077 LTIAEER                                |          |         |         |
| P62259 | P62259 1433E_MOUSE  | 14-3-3 protein epsilon - Mus musculus       | -0.05799 | 0.88381 | 9.0196  |
|        |                     | 8078 EAAENSLVAYK                            |          |         |         |
|        |                     | 8079 EAAENSLVAYK[134]                       |          |         |         |
|        |                     | 8080 YLAEFATGNDR[162]                       |          |         |         |
|        |                     | 8081 YLAEFATGNDR                            |          |         |         |
|        |                     | 8082 YLAEFATGNDRK                           |          |         |         |
| P35278 | P35278 RAB5C_MOUSE  | Ras-related protein Rab-5C - Mus musculus   | -0.00313 | 0.99371 | 22.2222 |
|        |                     | 8083 NEPQNAAGAPGR                           |          |         |         |
|        |                     | 8084 NEPQNAAGAPGR[162]                      |          |         |         |
|        |                     | 8085 GVDLQESNPASR                           |          |         |         |
|        |                     | 8086 QASPNIVIALAGNK[134]                    |          |         |         |
|        |                     | 8087 KLPKNEPQNAAGAPGR                       |          |         |         |
|        |                     | 8088 QASPNIVIALAGNKADLASK                   |          |         |         |
|        |                     | 8089 QASPNIVIALAGNK[134]ADLASK[134]         |          |         |         |
|        |                     | 8090 QASPNIVIALAGNK                         |          |         |         |
|        |                     | 8091 K[134]LPK[134]NEPQNAAGAPGR[162]        |          |         |         |
|        |                     | 8092 GVDLQESNPASR[162]                      |          |         |         |
| A2RTD4 | A2RTD4 A2RTD4_MOUSE | Slc39a1 protein - Mus musculus              | 0.00760  | 0.98592 | 3.7037  |
|        |                     | 8093 EQTSPPHPEETR[162]                      |          |         |         |
|        |                     | 8094 EQTSPPHPEETR                           |          |         |         |
| O70503 | O70503 DHB12_MOUSE  | Estradiol 17-beta-dehydrogenase 12 - Mus mu | 0.22940  | 0.59423 | 31.0897 |
|        |                     | 8095 GIFVQSVMPYLVATK[134]                   |          |         |         |
|        |                     | 8096 LGEWAVVTGGTDGIGK                       |          |         |         |
|        |                     | 8097 LGEWAVVTGGTDGIGK[134]                  |          |         |         |

|        |                    |                                                 |          |         |         |
|--------|--------------------|-------------------------------------------------|----------|---------|---------|
|        |                    | 8098 IQKPTLDKPSAETFVK                           |          |         |         |
|        |                    | 8099 LININVLSVC[174]K[134]                      |          |         |         |
|        |                    | 8100 GIFVQSVMPYLVATK                            |          |         |         |
|        |                    | 8101 LININVLSVC[174]K                           |          |         |         |
|        |                    | 8102 AYAEELAK[134]                              |          |         |         |
|        |                    | 8103 AYAEELAK                                   |          |         |         |
|        |                    | 8104 LVLPGMVER[162]                             |          |         |         |
|        |                    | 8105 FNVETR[162]                                |          |         |         |
|        |                    | 8106 LNQVSNNIK                                  |          |         |         |
|        |                    | 8107 ASYSLFR                                    |          |         |         |
| P22752 | P22752 H2A1_MOUSE  | Histone H2A type 1 - Mus musculus               | -0.49936 | 0.20821 | 26.9231 |
|        |                    | 8108 VTIAQGGVLPNIQAVLLPK                        |          |         |         |
|        |                    | 8109 VTIAQGGVLPNIQAVLLPK[134]                   |          |         |         |
|        |                    | 8110 AGLQFPVGR[162]                             |          |         |         |
|        |                    | 8111 HLQLAIR[162]                               |          |         |         |
| P34022 | P34022 RANG_MOUSE  | Ran-specific GTPase-activating protein - Mus n  | 0.12061  | 0.77942 | 9.8522  |
|        |                    | 8112 VAEK[134]LEALSVR[162]                      |          |         |         |
|        |                    | 8113 VAEKLEALSVR                                |          |         |         |
|        |                    | 8114 FLNAENAAQK                                 |          |         |         |
| P35283 | P35283 RAB12_MOUSE | Ras-related protein Rab-12 - Mus musculus       | 0.51575  | 0.23105 | 11.9342 |
|        |                    | 8115 DNFNVDEIFLK[134]                           |          |         |         |
|        |                    | 8116 DNFNVDEIFLK                                |          |         |         |
|        |                    | 8117 STVGVDK                                    |          |         |         |
|        |                    | 8118 FNSITSAYR                                  |          |         |         |
| P35288 | P35288 RAB23_MOUSE | Ras-related protein Rab-23 - Mus musculus       | 0.50014  | 0.24547 | 14.7679 |
|        |                    | 8119 VVAEVDIPTALVQNK                            |          |         |         |
|        |                    | 8120 VVAEVDIPTALVQNK[134]                       |          |         |         |
|        |                    | 8121 TIGVDFLER                                  |          |         |         |
|        |                    | 8122 IDLLDDSC[174]IK                            |          |         |         |
| P47758 | P47758 SRPRB_MOUSE | Signal recognition particle receptor subunit be | 0.02882  | 0.94665 | 49.4424 |
|        |                    | 8123 AVVFVVDAAAFQR                              |          |         |         |

|        |                   |      |                                      |          |         |         |
|--------|-------------------|------|--------------------------------------|----------|---------|---------|
|        |                   | 8124 | AVVFVVDSAAFQR[162]                   |          |         |         |
|        |                   | 8125 | DTQTSITDSSAIYK                       |          |         |         |
|        |                   | 8126 | LIQQQLEKELNTRLR                      |          |         |         |
|        |                   | 8127 | SAAPSTLDSSSTAPAQLGK                  |          |         |         |
|        |                   | 8128 | SAAPSTLDSSSTAPAQLGK[134]             |          |         |         |
|        |                   | 8129 | VGDGAGGAFQPYLDSLRL                   |          |         |         |
|        |                   | 8130 | LIQQQLEK[134]ELNTRLR[162]            |          |         |         |
|        |                   | 8131 | GNSLTLIDLPGHESLR                     |          |         |         |
|        |                   | 8132 | NSPSLLIAC[174]NK[134]                |          |         |         |
|        |                   | 8133 | VGDGAGGAFQPYLDSLRL[162]              |          |         |         |
|        |                   | 8134 | NSPSLLIAC[174]NK                     |          |         |         |
|        |                   | 8135 | GNSLTLIDLPGHESLR[162]                |          |         |         |
|        |                   | 8136 | AVLFVGLC[174]DSGK                    |          |         |         |
|        |                   | 8137 | GGRGDTGSADIQDLEK                     |          |         |         |
|        |                   | 8138 | SAAPSTLDSSSTAPAQLGKK                 |          |         |         |
|        |                   | 8139 | LIQQQLEK                             |          |         |         |
|        |                   | 8140 | LIQQQLEK[134]                        |          |         |         |
| P48962 | P48962 ADT1_MOUSE |      | ADP/ATP translocase 1 - Mus musculus | -0.23833 | 0.54808 | 12.7517 |
|        |                   | 8141 | YFPTQALNFAFK                         |          |         |         |
|        |                   | 8142 | YFPTQALNFAFK[134]                    |          |         |         |
|        |                   | 8143 | TAVAPIER[162]                        |          |         |         |
|        |                   | 8144 | GNLANVIR[162]                        |          |         |         |
|        |                   | 8145 | LLLQVQHASK                           |          |         |         |
|        |                   | 8146 | GNLANVIR                             |          |         |         |
| P51881 | P51881 ADT2_MOUSE |      | ADP/ATP translocase 2 - Mus musculus | -0.20504 | 0.60533 | 11.0738 |
|        |                   | 8147 | AAYFGIYDTAK[134]                     |          |         |         |
|        |                   | 8148 | EQGVLSFWR                            |          |         |         |
|        |                   | 8149 | EQGVLSFWR[162]                       |          |         |         |
|        |                   | 8150 | AAYFGIYDTAK                          |          |         |         |
|        |                   | 8151 | DFLAGGVAAAISK[134]                   |          |         |         |
|        |                   | 8152 | DFLAGGVAAAISK                        |          |         |         |



|        |                    |                                               |          |         |         |
|--------|--------------------|-----------------------------------------------|----------|---------|---------|
| P57759 | P57759 ERP29_MOUSE | Endoplasmic reticulum protein ERp29 precursor | -0.23655 | 0.55107 | 12.2137 |
|        |                    | 8153 GALPLDVTIFYK                             |          |         |         |
|        |                    | 8154 GALPLDVTIFYK[134]                        |          |         |         |
|        |                    | 8155 ESYPVFYLFYR                              |          |         |         |
|        |                    | 8156 SLNLTAFYR                                |          |         |         |
|        |                    | 8157 SLNLTAFYR[162]                           |          |         |         |
|        |                    | 8158 SLNLTAFYR[162]K[134]                     |          |         |         |
|        |                    | 8159 SLNLTAFYR                                |          |         |         |
| P61982 | P61982 1433G_MOUSE | 14-3-3 protein gamma - Mus musculus           | -0.11062 | 0.78040 | 18.2186 |
|        |                    | 8160 NC[174]SETQYYSK[134]                     |          |         |         |
|        |                    | 8161 NVTELNEPLSNEER                           |          |         |         |
|        |                    | 8162 NVTELNEPLSNEER[162]                      |          |         |         |
|        |                    | 8163 AYSEAHEISK[134]                          |          |         |         |
|        |                    | 8164 AYSEAHEISK                               |          |         |         |
|        |                    | 8165 YLAEVATGEK                               |          |         |         |
|        |                    | 8166 YLAEVATGEK[134]R[162]                    |          |         |         |
|        |                    | 8167 NC[174]SETQYYSK                          |          |         |         |
|        |                    | 8168 YLAEVATGEKR                              |          |         |         |
| P62821 | P62821 RAB1A_MOUSE | Ras-related protein Rab-1A - Mus musculus     | 0.29538  | 0.49276 | 17.561  |
|        |                    | 8169 EFADSLGIPFLETSAK[134]                    |          |         |         |
|        |                    | 8170 MGPGATAGGAEK                             |          |         |         |
|        |                    | 8171 MGPGATAGGAEK[134]                        |          |         |         |
|        |                    | 8172 EFADSLGIPFLETSAK                         |          |         |         |
|        |                    | 8173 TITSSYYR[162]                            |          |         |         |
|        |                    | 8174 TITSSYYR                                 |          |         |         |
| P67778 | P67778 PHB_MOUSE   | Prohibitin - Mus musculus                     | -0.24904 | 0.53025 | 37.5    |
|        |                    | 8175 AAELIANSLATAGDGLIELR                     |          |         |         |
|        |                    | 8176 AAELIANSLATAGDGLIELR[162]                |          |         |         |
|        |                    | 8177 FDAGELITQR                               |          |         |         |
|        |                    | 8178 FDAGELITQR[162]                          |          |         |         |
|        |                    | 8179 IYTSIGEDYDER                             |          |         |         |

|        |                     |                                                |          |         |         |
|--------|---------------------|------------------------------------------------|----------|---------|---------|
|        |                     | 8180 NITYLPAGQSVLLQLPQ                         |          |         |         |
|        |                     | 8181 ILFR[162]PVASQLPR[162]                    |          |         |         |
|        |                     | 8182 ILFRPVASQLPR                              |          |         |         |
|        |                     | 8183 IYTSIGEDYDER[162]                         |          |         |         |
|        |                     | 8184 DLQNVNITLR                                |          |         |         |
|        |                     | 8185 AAIISAEGDSK                               |          |         |         |
|        |                     | 8186 AAIISAEGDSK[134]                          |          |         |         |
|        |                     | 8187 KAAIISAEGDSK                              |          |         |         |
|        |                     | 8188 EFTEAVEAK[134]                            |          |         |         |
|        |                     | 8189 DLQNVNITLR[162]                           |          |         |         |
| Q3TCN2 | Q3TCN2 PLBL2_MOUSE  | Putative phospholipase B-like 2 precursor - Mt | -0.24904 | 0.53025 | 4.2088  |
|        |                     | 8190 DQSLVEDMDAMVR                             |          |         |         |
|        |                     | 8191 DQSLVEDMDAMVR[162]                        |          |         |         |
|        |                     | 8192 SLLDAASGQLR                               |          |         |         |
| Q3TDH6 | Q3TDH6 Q3TDH6_MOUSE | NOD-derived CD11c +ve dendritic cells cDNA, l  | -0.62627 | 0.11449 | 7.3955  |
|        |                     | 8193 FIHDQTSSNPK                               |          |         |         |
|        |                     | 8194 GLSSLLYGSIPK[134]                         |          |         |         |
|        |                     | 8195 GLSSLLYGSIPK                              |          |         |         |
|        |                     | 8196 FIHDQTSSNPK[134]                          |          |         |         |
| Q60931 | Q60931 VDAC3_MOUSE  | Voltage-dependent anion-selective channel pr   | -0.45451 | 0.25202 | 15.9011 |
|        |                     | 8197 VNNASLIGLGYTQTLRPGVK                      |          |         |         |
|        |                     | 8198 VNNASLIGLGYTQTLR[162]PGVK[134]            |          |         |         |
|        |                     | 8199 LSQNNFALGYK[134]                          |          |         |         |
|        |                     | 8200 LSQNNFALGYK                               |          |         |         |
|        |                     | 8201 LTLDTIFVPNTGKK                            |          |         |         |
|        |                     | 8202 LTLDTIFVPNTGK[134]                        |          |         |         |
|        |                     | 8203 LTLDTIFVPNTGK                             |          |         |         |
| Q61599 | Q61599 GDIR2_MOUSE  | Rho GDP-dissociation inhibitor 2 - Mus muscul  | -0.21123 | 0.59448 | 10.5    |
|        |                     | 8204 TLLGDVPVADPTVPNVTVTR                      |          |         |         |
|        |                     | 8205 TLLGDVPVADPTVPNVTVTR[162]                 |          |         |         |
| Q71FD5 | Q71FD5 ZNR2_MOUSE   | E3 ubiquitin-protein ligase ZNR2 - Mus muscl   | 0.61728  | 0.15173 | 11.3445 |

|        |                    |                                               |          |         |         |
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|        |                    | 8206 SLGGAVGSASGGR[162]                       |          |         |         |
|        |                    | 8207 DRDRPAGGGPGGPR                           |          |         |         |
|        |                    | 8208 SLGGAVGSASGGR                            |          |         |         |
| Q7M759 | Q7M759 F108B_MOUSE | Abhydrolase domain-containing protein FAM1    | 0.06007  | 0.88907 | 12.8472 |
|        |                    | 8209 YESAAVILHSPLTSGMR                        |          |         |         |
|        |                    | 8210 TYC[174]FDAFPNIDK[134]                   |          |         |         |
|        |                    | 8211 TYC[174]FDAFPNIDK                        |          |         |         |
|        |                    | 8212 ADWQYSSR                                 |          |         |         |
|        |                    | 8213 YESAAVILHSPLTSGMR[162]                   |          |         |         |
|        |                    | 8214 ADWQYSSR[162]                            |          |         |         |
| Q91WB7 | Q91WB7 UBTD1_MOUSE | Ubiquitin domain-containing protein 1 - Mus n | -0.89929 | 0.02343 | 10.5727 |
|        |                    | 8215 LNASLPDVTGQLKR                           |          |         |         |
|        |                    | 8216 LNASLPDVTGQLK[134]R[162]                 |          |         |         |
|        |                    | 8217 ER[162]PAAPGHPR[162]                     |          |         |         |
| Q99PT1 | Q99PT1 GDIR1_MOUSE | Rho GDP-dissociation inhibitor 1 - Mus muscul | -0.16233 | 0.68247 | 15.1961 |
|        |                    | 8218 VAVSADPNVPNVIVTR                         |          |         |         |
|        |                    | 8219 VAVSADPNVPNVIVTR[162]                    |          |         |         |
|        |                    | 8220 AEEYEFLTPMEEAPK                          |          |         |         |
| Q9CQV8 | Q9CQV8 1433B_MOUSE | 14-3-3 protein beta/alpha - Mus musculus      | -0.11118 | 0.77932 | 23.9837 |
|        |                    | 8221 LAEQAERYDDMAAAMK                         |          |         |         |
|        |                    | 8222 YDDMAAAMK                                |          |         |         |
|        |                    | 8223 DSTLIMQLLR[162]                          |          |         |         |
|        |                    | 8224 NLLSVAYK[134]                            |          |         |         |
|        |                    | 8225 NLLSVAYK                                 |          |         |         |
|        |                    | 8226 DSTLIMQLLR                               |          |         |         |
|        |                    | 8227 AVTEQGHLSNEER[162]                       |          |         |         |
|        |                    | 8228 YLSEVASGENK                              |          |         |         |
| Q9CY57 | Q9CY57 CA077_MOUSE | Uncharacterized protein C1orf77 homolog - M   | -0.12670 | 0.74949 | 10.4418 |
|        |                    | 8229 ASMQQQQQLASAR[162]                       |          |         |         |
|        |                    | 8230 EQLDNQLDAYMSK                            |          |         |         |
|        |                    | 8231 ASMQQQQQLASAR                            |          |         |         |

|        |                    |                                                  |          |         |         |
|--------|--------------------|--------------------------------------------------|----------|---------|---------|
| Q9QY76 | Q9QY76 VAPB_MOUSE  | Vesicle-associated membrane protein-associat     | 0.05992  | 0.88934 | 34.5679 |
|        |                    | 8232 FRGPFTDVVTTNLK                              |          |         |         |
|        |                    | 8233 FR[162]GPFTDVVTTNLK[134]                    |          |         |         |
|        |                    | 8234 VEQVLSLEPQHELK                              |          |         |         |
|        |                    | 8235 VEQVLSLEPQHELK[134]                         |          |         |         |
|        |                    | 8236 C[174]VFELPAENAKPHDVEINK                    |          |         |         |
|        |                    | 8237 SLTSPLDDTEVK[134]K[134]                     |          |         |         |
|        |                    | 8238 SLTSPLDDTEVK[134]                           |          |         |         |
|        |                    | 8239 AMPSNSPVAALAATGK                            |          |         |         |
|        |                    | 8240 AMPSNSPVAALAATGK[134]                       |          |         |         |
|        |                    | 8241 SLTSPLDDTEVK                                |          |         |         |
|        |                    | 8242 SLTSPLDDTEVKK                               |          |         |         |
|        |                    | 8243 C[174]VFELPAENAK[134]PHDVEINK[134]          |          |         |         |
|        |                    | 8244 RLQGEVQR                                    |          |         |         |
| Q9QYB1 | Q9QYB1 CLIC4_MOUSE | Chloride intracellular channel protein 4 - Mus i | -0.16233 | 0.68247 | 14.6245 |
|        |                    | 8245 NSRPEANEALER                                |          |         |         |
|        |                    | 8246 EVEIAYS DVAK[134]                           |          |         |         |
|        |                    | 8247 EVEIAYS DVAK                                |          |         |         |
|        |                    | 8248 HPESNTAGMDIFAK                              |          |         |         |
| Q9QYF1 | Q9QYF1 RDH11_MOUSE | Retinol dehydrogenase 11 - Mus musculus          | 0.21619  | 0.61565 | 11.0759 |
|        |                    | 8249 EIQAVTGNSQVFVR                              |          |         |         |
|        |                    | 8250 EIQAVTGNSQVFVR[162]                         |          |         |         |
|        |                    | 8251 VAVTGANTGIGK[134]                           |          |         |         |
|        |                    | 8252 VAVTGANTGIGK                                |          |         |         |
|        |                    | 8253 LANILFTK                                    |          |         |         |
| Q9R1P0 | Q9R1P0 PSA4_MOUSE  | Proteasome subunit alpha type-4 - Mus muscu      | 0.18817  | 0.66213 | 8.8123  |
|        |                    | 8254 LLDEVFFSEK                                  |          |         |         |
|        |                    | 8255 LLDEVFFSEK[134]                             |          |         |         |
|        |                    | 8256 LSAEKVEIATLTR                               |          |         |         |
| P35980 | P35980 RL18_MOUSE  | 60S ribosomal protein L18 - Mus musculus         | 0.13046  | 0.76193 | 11.7021 |
|        |                    | 8257 ILTFDQLALESPK                               |          |         |         |

|        |                    |                                                |          |         |         |
|--------|--------------------|------------------------------------------------|----------|---------|---------|
|        |                    | 8258 ILTFDQLALESPK[134]                        |          |         |         |
|        |                    | 8259 GTVLLSGPR                                 |          |         |         |
| P63101 | P63101 1433Z_MOUSE | 14-3-3 protein zeta/delta - Mus musculus       | -0.19885 | 0.61627 | 25.3061 |
|        |                    | 8260 LAEQAERYDDMAACMK                          |          |         |         |
|        |                    | 8261 SVTEQGAELSNEER                            |          |         |         |
|        |                    | 8262 SVTEQGAELSNEER[162]                       |          |         |         |
|        |                    | 8263 YLAEVAAGDDKK                              |          |         |         |
|        |                    | 8264 FLIPNASQPESK                              |          |         |         |
|        |                    | 8265 FLIPNASQPESK[134]                         |          |         |         |
|        |                    | 8266 VVSSIEQK[134]                             |          |         |         |
| Q61335 | Q61335 BAP31_MOUSE | B-cell receptor-associated protein 31 - Mus mu | 0.49303  | 0.25225 | 8.5714  |
|        |                    | 8267 AENEALAMQK                                |          |         |         |
|        |                    | 8268 AENEALAMQK[134]                           |          |         |         |
|        |                    | 8269 LKDELASTKK                                |          |         |         |
|        |                    | 8270 KLKDELASTK                                |          |         |         |
| O09044 | O09044 SNP23_MOUSE | Synaptosomal-associated protein 23 - Mus mu    | -0.02482 | 0.95012 | 13.3333 |
|        |                    | 8271 ILGLAIESQDAGIK                            |          |         |         |
|        |                    | 8272 ILGLAIESQDAGIK[134]                       |          |         |         |
|        |                    | 8273 AHQVTDESLESTR[162]R[162]                  |          |         |         |
| O70152 | O70152 DPM1_MOUSE  | Dolichol-phosphate mannosyltransferase - Mu    | 0.15960  | 0.71092 | 13.8462 |
|        |                    | 8274 LGGNEIVSFLK[134]                          |          |         |         |
|        |                    | 8275 LGGNEIVSFLK                               |          |         |         |
|        |                    | 8276 EVAEQLAEIYGPDR                            |          |         |         |
|        |                    | 8277 EGNFDIVSGTR                               |          |         |         |
| P17751 | P17751 TPIS_MOUSE  | Triosephosphate isomerase - Mus musculus       | 0.04973  | 0.90807 | 16.0643 |
|        |                    | 8278 SNVNDGVAQSTR                              |          |         |         |
|        |                    | 8279 SNVNDGVAQSTR[162]                         |          |         |         |
|        |                    | 8280 VVLAYEPVWAIGTGK[134]                      |          |         |         |
|        |                    | 8281 TATPQQAQEVHEK                             |          |         |         |
|        |                    | 8282 VVLAYEPVWAIGTGK                           |          |         |         |
|        |                    | 8283 TATPQQAQEVHEK[134]                        |          |         |         |

|        |                    |                                               |          |         |         |
|--------|--------------------|-----------------------------------------------|----------|---------|---------|
| P20491 | P20491 FCERG_MOUSE | High affinity immunoglobulin epsilon receptor | -0.08053 | 0.83917 | 32.5581 |
|        |                    | 8284 ADAVYTGLNTR[162]                         |          |         |         |
|        |                    | 8285 EKADAVYTGLNTR                            |          |         |         |
|        |                    | 8286 ADAVYTGLNTR                              |          |         |         |
|        |                    | 8287 SQETYETLKHEKPPQ                          |          |         |         |
|        |                    | 8288 EK[134]ADAVYTGLNTR[162]                  |          |         |         |
|        |                    | 8289 SQETYETLK[134]HEK[134]PPQ                |          |         |         |
| P35979 | P35979 RL12_MOUSE  | 60S ribosomal protein L12 - Mus musculus      | 0.91947  | 0.03275 | 15.1515 |
|        |                    | 8290 QAQIEVVPSASALIIK                         |          |         |         |
|        |                    | 8291 IGPLGLSPK                                |          |         |         |
|        |                    | 8292 IGPLGLSPK[134]                           |          |         |         |
|        |                    | 8293 QAQIEVVPSASALIIK[134]                    |          |         |         |
| P47963 | P47963 RL13_MOUSE  | 60S ribosomal protein L13 - Mus musculus      | 0.41460  | 0.33566 | 25.1185 |
|        |                    | 8294 NKSTESLQANVQR                            |          |         |         |
|        |                    | 8295 STESLQANVQR[162]                         |          |         |         |
|        |                    | 8296 VDTWFNQPAR                               |          |         |         |
|        |                    | 8297 GFSLEELR                                 |          |         |         |
|        |                    | 8298 STESLQANVQR                              |          |         |         |
|        |                    | 8299 TIGISVDPR[162]                           |          |         |         |
|        |                    | 8300 LATQLTGPMPIR                             |          |         |         |
|        |                    | 8301 GFSLEELR[162]                            |          |         |         |
| P53026 | P53026 RL10A_MOUSE | 60S ribosomal protein L10a - Mus musculus     | 0.13046  | 0.76193 | 13.3641 |
|        |                    | 8302 K[134]YDAFLASESLIK[134]                  |          |         |         |
|        |                    | 8303 KYDAFLASESLIK                            |          |         |         |
|        |                    | 8304 ILGPGLNK                                 |          |         |         |
|        |                    | 8305 DTLYEAVR[162]                            |          |         |         |
|        |                    | 8306 ILGPGLNK[134]                            |          |         |         |
| P53994 | P53994 RAB2A_MOUSE | Ras-related protein Rab-2A - Mus musculus     | 0.34018  | 0.42956 | 24.0566 |
|        |                    | 8307 GAAGALLVYDITR                            |          |         |         |
|        |                    | 8308 LQIWDTAGQESFR                            |          |         |         |
|        |                    | 8309 TASNVEEAFINTAK                           |          |         |         |

|        |                    |                                            |          |         |         |
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|        |                    | 8310 TASNVEEAFINTAK[134]                   |          |         |         |
|        |                    | 8311 YIIIGDTGVGK                           |          |         |         |
| P61021 | P61021 RAB5B_MOUSE | Ras-related protein Rab-5B - Mus musculus  | -0.08053 | 0.83917 | 18.6047 |
|        |                    | 8312 QASPSIVIALAGNK                        |          |         |         |
|        |                    | 8313 QASPSIVIALAGNK[134]                   |          |         |         |
|        |                    | 8314 TAMNVNDLFLAIK[134]                    |          |         |         |
|        |                    | 8315 SEPQNLGGAAGR[162]                     |          |         |         |
|        |                    | 8316 TAMNVNDLFLAIK                         |          |         |         |
|        |                    | 8317 SEPQNLGGAAGR                          |          |         |         |
| P62242 | P62242 RS8_MOUSE   | 40S ribosomal protein S8 - Mus musculus    | 0.39839  | 0.35490 | 18.75   |
|        |                    | 8318 IIDVVYNASNNELVR                       |          |         |         |
|        |                    | 8319 ISSLLEEQFQQGK                         |          |         |         |
|        |                    | 8320 ISSLLEEQFQQGK[134]                    |          |         |         |
|        |                    | 8321 LTPEEEEILNK[134]                      |          |         |         |
|        |                    | 8322 LTPEEEEILNK                           |          |         |         |
| P62267 | P62267 RS23_MOUSE  | 40S ribosomal protein S23 - Mus musculus   | 0.52324  | 0.22434 | 15.3846 |
|        |                    | 8323 VANVSLALYK                            |          |         |         |
|        |                    | 8324 VANVSLALYK[134]                       |          |         |         |
|        |                    | 8325 ANPFGGASHAK                           |          |         |         |
| P62270 | P62270 RS18_MOUSE  | 40S ribosomal protein S18 - Mus musculus   | 0.84965  | 0.04849 | 17.1053 |
|        |                    | 8326 IPDWFLNR                              |          |         |         |
|        |                    | 8327 IAFATAIK                              |          |         |         |
|        |                    | 8328 VLNTNIDGR                             |          |         |         |
|        |                    | 8329 IPDWFLNR[162]                         |          |         |         |
| P62492 | P62492 RB11A_MOUSE | Ras-related protein Rab-11A - Mus musculus | -0.08053 | 0.83917 | 25      |
|        |                    | 8330 AQIWDTAGQER                           |          |         |         |
|        |                    | 8331 GAVGALLVYDIAK                         |          |         |         |
|        |                    | 8332 GAVGALLVYDIAK[134]                    |          |         |         |
|        |                    | 8333 STIGVEFATR[162]                       |          |         |         |
|        |                    | 8334 STIGVEFATR                            |          |         |         |
|        |                    | 8335 FTRNEFNLESK                           |          |         |         |

|        |                    |                                               |          |         |         |
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|        |                    | 8336 HLTYENVER[162]                           |          |         |         |
|        |                    | 8337 NEFNLESK                                 |          |         |         |
| P62806 | P62806 H4_MOUSE    | Histone H4 - Mus musculus                     | -0.26186 | 0.50929 | 19.4175 |
|        |                    | 8338 VFLENVIR[162]                            |          |         |         |
|        |                    | 8339 VFLENVIR                                 |          |         |         |
|        |                    | 8340 DNIQGITKPAIR                             |          |         |         |
|        |                    | 8341 DNIQGITK[134]PAIR[162]                   |          |         |         |
| P62830 | P62830 RL23_MOUSE  | 60S ribosomal protein L23 - Mus musculus      | -0.69418 | 0.08021 | 21.4286 |
|        |                    | 8342 ISGLPVGAVINC[174]ADNTGAK                 |          |         |         |
|        |                    | 8343 ISGLPVGAVINC[174]ADNTGAK[134]            |          |         |         |
|        |                    | 8344 GSAITGPVAK                               |          |         |         |
| P62835 | P62835 RAP1A_MOUSE | Ras-related protein Rap-1A precursor - Mus m  | 0.00760  | 0.98592 | 17.9348 |
|        |                    | 8345 YDPTIEDSYR                               |          |         |         |
|        |                    | 8346 LVVLGSGGVGK[134]                         |          |         |         |
|        |                    | 8347 LVVLGSGGVGK                              |          |         |         |
|        |                    | 8348 VVGK[134]EQGQNLAR[162]                   |          |         |         |
|        |                    | 8349 YDPTIEDSYR[162]                          |          |         |         |
|        |                    | 8350 VVGKEQGQNLAR                             |          |         |         |
| P62852 | P62852 RS25_MOUSE  | 40S ribosomal protein S25 - Mus musculus      | -0.17440 | 0.66028 | 15.2    |
|        |                    | 8351 AALQELLSK                                |          |         |         |
|        |                    | 8352 AALQELLSK[134]                           |          |         |         |
|        |                    | 8353 LITPAVVSER[162]                          |          |         |         |
|        |                    | 8354 LITPAVVSER                               |          |         |         |
| P63321 | P63321 RALA_MOUSE  | Ras-related protein Ral-A precursor - Mus mus | 0.39022  | 0.36486 | 25.2427 |
|        |                    | 8355 VKEDENVPFLLVGNK                          |          |         |         |
|        |                    | 8356 VK[134]EDENVPFLLVGNK[134]                |          |         |         |
|        |                    | 8357 VIMVGSGGVGK                              |          |         |         |
|        |                    | 8358 VIMVGSGGVGK[134]                         |          |         |         |
|        |                    | 8359 GQNSLALHK                                |          |         |         |
|        |                    | 8360 VFFDLMR[162]                             |          |         |         |
|        |                    | 8361 GQNSLALHK[134]                           |          |         |         |



|        |                    |                                           |          |         |         |
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| Q6ZWN5 | Q6ZWN5 RS9_MOUSE   | 8362 QVSVEEAKNR                           | 0.66549  | 0.12225 | 19.5876 |
|        |                    | 40S ribosomal protein S9 - Mus musculus   |          |         |         |
|        |                    | 8363 LFEGNALLR                            |          |         |         |
|        |                    | 8364 LIGEYGLR                             |          |         |         |
|        |                    | 8365 QVVNIPSFIVR[162]                     |          |         |         |
|        |                    | 8366 LIGEYGLR[162]                        |          |         |         |
|        |                    | 8367 SPYGGGRPGR                           |          |         |         |
| Q921E2 | Q921E2 RAB31_MOUSE | 8368 QVVNIPSFIVR                          | 0.35705  | 0.40703 | 18.0412 |
|        |                    | Ras-related protein Rab-31 - Mus musculus |          |         |         |
|        |                    | 8369 VC[174]LLGDTGVGK                     |          |         |         |
|        |                    | 8370 FLIWDTAGQER[162]                     |          |         |         |
|        |                    | 8371 FLIWDTAGQER                          |          |         |         |
| Q99KF1 | Q99KF1 TMED9_MOUSE | 8372 GSAAAVIVYDITK                        | -0.43986 | 0.26763 | 7.234   |
|        |                    | Transmembrane emp24 domain-containing pr  |          |         |         |
|        |                    | 8373 QLVEQVEQIQKEQNYQR                    |          |         |         |
|        |                    | 8374 QLVEQVEQIQK[134]EQNYQR[162]          |          |         |         |
|        |                    | 8375 QLVEQVEQIQK                          |          |         |         |
| Q9CQ22 | Q9CQ22 CK059_MOUSE | 8376 QLVEQVEQIQK[134]                     | 0.14995  | 0.72768 | 14.9068 |
|        |                    | UPF0404 protein C11orf59 homolog - Mus mu |          |         |         |
|        |                    | 8377 TDEQALLSSILAK                        |          |         |         |
|        |                    | 8378 TDEQALLSSILAK[134]                   |          |         |         |
| Q9CQD1 | Q9CQD1 RAB5A_MOUSE | 8379 LLDPSSTPTK                           | 0.32310  | 0.45307 | 31.1628 |
|        |                    | Ras-related protein Rab-5A - Mus musculus |          |         |         |
|        |                    | 8380 QASPNIVIALSGNK                       |          |         |         |
|        |                    | 8381 TSMNVNEIFMAIAK[134]                  |          |         |         |
|        |                    | 8382 GVDLTEPAQPAR[162]                    |          |         |         |
|        |                    | 8383 QASPNIVIALSGNK[134]                  |          |         |         |
|        |                    | 8384 KLPKNPQNPGANSAR                      |          |         |         |
|        |                    | 8385 NEPQNPGANSAR                         |          |         |         |
|        |                    | 8386 TSMNVNEIFMAIAK                       |          |         |         |
|        |                    | 8387 GVDLTEPAQPAR                         |          |         |         |

|        |                    |                                               |          |         |         |
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|        |                    | 8388 NEPQNPGANSAR[162]                        |          |         |         |
|        |                    | 8389 LVLLGESAVGK[134]                         |          |         |         |
| Q9CR57 | Q9CR57 RL14_MOUSE  | 60S ribosomal protein L14 - Mus musculus      | 0.34864  | 0.41817 | 11.5207 |
|        |                    | 8390 AAIAAAAAAAAAAK                           |          |         |         |
|        |                    | 8391 AAIAAAAAAAAAAK[134]                      |          |         |         |
|        |                    | 8392 LVAIVDVIDQNR                             |          |         |         |
| Q9CZE3 | Q9CZE3 RAB32_MOUSE | Ras-related protein Rab-32 - Mus musculus     | -0.51463 | 0.19464 | 14.3498 |
|        |                    | 8393 VLVIGELGVGK[134]                         |          |         |         |
|        |                    | 8394 DNINIDEATR[162]                          |          |         |         |
|        |                    | 8395 VLVIGELGVGK                              |          |         |         |
|        |                    | 8396 LVEEPPTTK[134]PR[162]                    |          |         |         |
| Q9DBJ1 | Q9DBJ1 PGAM1_MOUSE | Phosphoglycerate mutase 1 - Mus musculus      | -0.06922 | 0.86152 | 11.811  |
|        |                    | 8397 HYGGTLGLNKAETAAK                         |          |         |         |
|        |                    | 8398 ALPFWNEEIVPQIK                           |          |         |         |
|        |                    | 8399 ALPFWNEEIVPQIK[134]                      |          |         |         |
| Q9DCT2 | Q9DCT2 NDUS3_MOUSE | NADH dehydrogenase [ubiquinone] iron-sulfur   | 0.28834  | 0.50313 | 9.8859  |
|        |                    | 8400 VVAEPVELAQEFR[162]                       |          |         |         |
|        |                    | 8401 SLADLTAVDVPTR                            |          |         |         |
|        |                    | 8402 VVAEPVELAQEFR                            |          |         |         |
|        |                    | 8403 SLADLTAVDVPTR[162]                       |          |         |         |
| Q9JIW9 | Q9JIW9 RALB_MOUSE  | Ras-related protein Ral-B precursor - Mus mus | -0.23633 | 0.55145 | 24.2718 |
|        |                    | 8404 GKAEWGVQYVETSAK                          |          |         |         |
|        |                    | 8405 AEEWGVQYVETSAK[134]                      |          |         |         |
|        |                    | 8406 R[162]QVPVDEAR[162]                      |          |         |         |
|        |                    | 8407 VKSEEDKIPLLVVGNK                         |          |         |         |
|        |                    | 8408 SQGSLVLHK[134]                           |          |         |         |
|        |                    | 8409 RQVPVDEAR                                |          |         |         |
|        |                    | 8410 SQGSLVLHK                                |          |         |         |
|        |                    | 8411 QVPVDEAR                                 |          |         |         |
| P14131 | P14131 RS16_MOUSE  | 40S ribosomal protein S16 - Mus musculus      | 0.06007  | 0.88907 | 11.6438 |
|        |                    | 8412 LLEPVLLLGK[134]                          |          |         |         |

|        |                    |                                                |         |         |         |
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|        |                    | 8413 LLEPVLLLGK                                |         |         |         |
|        |                    | 8414 FAGVDIR                                   |         |         |         |
| O70404 | O70404 VAMP8_MOUSE | Vesicle-associated membrane protein 8 - Mus    | 0.27951 | 0.51629 | 17.8218 |
|        |                    | 8415 GENLDHLR                                  |         |         |         |
|        |                    | 8416 NLQSEVEGVK                                |         |         |         |
|        |                    | 8417 NLQSEVEGVK[134]                           |         |         |         |
| Q9D1R9 | Q9D1R9 RL34_MOUSE  | 60S ribosomal protein L34 - Mus musculus       | 1.04973 | 0.01478 | 23.0769 |
|        |                    | 8418 SAC[174]GVC[174]PGR                       |         |         |         |
|        |                    | 8419 AFLIEEQK                                  |         |         |         |
|        |                    | 8420 RLSYNTASNK                                |         |         |         |
| P63001 | P63001 RAC1_MOUSE  | Ras-related C3 botulinum toxin substrate 1 pre | 0.29711 | 0.49024 | 9.375   |
|        |                    | 8421 TVFDEAIR                                  |         |         |         |
|        |                    | 8422 YLEC[174]SALTQR                           |         |         |         |
|        |                    | 8423 TVFDEAIR[162]                             |         |         |         |