

**Supplementary Table 7:** List of N-termini identified in FFPE liver tissue of C57BL/6 wild type mouse (replicate 3) after chemical labeling using  $^{12}\text{CO}_2$  formaldehyde. This is a comprehensive listing of all identified peptides.

| Peptide Sequence        | UniProt ID | MSGF+ score (E-value) | Modification                               | Retention Time (s) | Charge | Measured m/z | Theoretical m/z |
|-------------------------|------------|-----------------------|--|--------------------|--------|--------------|-----------------|
| ADKTPGGSQKASSKNR        | Q6NV83     | 0.00382775            | N-term +42.01 Da, K +28.03 Da,             | 1010.242065        | 4      | 440.2399902  | 440.243069      |
| SHASPAAKPSNSKNPR        | Q9CR16     | 0                     | N-term +42.01 Da, K +28.03 Da,             | 1020.737671        | 4      | 437.4867249  | 437.4865987     |
| TKAGSKGGNLR             | Q922Q8     | 0.03092784            | N-term +42.01 Da, K +28.03 Da,             | 1024.398315        | 3      | 396.2349548  | 396.2349351     |
| SHASPAAKPSNSKNPR        | Q9CR16     | 0.00054377            | N-term +42.01 Da, K +28.03 Da,             | 1024.59729         | 3      | 582.9799805  | 582.9797061     |
| GPKGDPPGQGPR            | P11087     | 0.00568182            | N-term +42.01 Da, K +28.03 Da,             | 1040.146729        | 3      | 411.8900146  | 411.5509233     |
| SASAGGSHQPSQSR          | P70445     | 0                     | N-term +42.01 Da,                          | 1040.290039        | 2      | 699.8209839  | 699.8214648     |
| GSGLSSGTGEQKEDQKEEKQ    | P38647     | 0.00195408            | N-term +42.01 Da, K +28.03 Da,             | 1041.673584        | 3      | 713          | 712.3414763     |
| ADGEEPEKRR              | Q8C878     | 0.00104932            | N-term +42.01 Da, K +28.03 Da,             | 1043.678223        | 3      | 419.5541382  | 419.5542224     |
| SHASPAAKPSNSKNPR        | Q9CR16     | 0                     | N-term +42.01 Da, K +28.03 Da,             | 1051.616089        | 4      | 437.7399902  | 437.4865987     |
| SHASPAAKPSN             | Q9CR16     | 0                     | N-term +42.01 Da, K +28.03 Da,             | 1052.300415        | 2      | 568.7880249  | 568.7883727     |
| SKNTVSSAR               | Q9CPW4     | 0.01700985            | N-term +42.01 Da, K +28.03 Da,             | 1054.352417        | 2      | 510.2777405  | 510.2776406     |
| SHASPAAKPS              | Q9CR16     | 0.01959038            | N-term +42.01 Da, K +28.03 Da,             | 1055.791748        | 2      | 511.769989   | 511.7669086     |
| ATSSHQGAAGSQAEHR        | Q75N62     | 0                     | N-term +42.01 Da,                          | 1061.116455        | 3      | 569.9314575  | 569.9313039     |
| EAHKSEIAHR              | P07724     | 0                     | N-term +42.01 Da, K +28.03 Da,             | 1061.334717        | 3      | 416.5542297  | 416.5545564     |
| SASAGGSHQPSQSR          | P70445     | 0                     | N-term +42.01 Da,                          | 1071.942749        | 2      | 699.8200073  | 699.8214648     |
| SAAKENPCR               | P97434     | 0.00148588            | N-term +42.01 Da, K +28.03 Da, C +57.02Da, | 1087.581909        | 2      | 551.7700195  | 551.7691255     |
| KMKDTSDEEIR             | P62204     | 0.0418235             | N-term +42.01 Da, K +28.03 Da,             | 1096.530884        | 3      | 527.5999756  | 526.9275089     |
| SAGSATHPAAGGR           | Q3TCX3     | 0                     | N-term +42.01 Da,                          | 1105.045044        | 2      | 591.2866211  | 591.2865286     |
| AAADEPKPKK              | P55264     | 0.00149477            | N-term +42.01 Da, K +28.03 Da,             | 1109.048218        | 3      | 394.2399902  | 394.2360531     |
| TENSTSAPAAKPKR          | P10922     | 0                     | N-term +42.01 Da, K +28.03 Da,             | 1111.315918        | 3      | 519.2862549  | 519.286136      |
| TENSTSAPAAKPKR          | P10922     | 0                     | N-term +42.01 Da, K +28.03 Da,             | 1114.43689         | 2      | 778.4299927  | 778.4255658     |
| ADGKAGEEKPEKPQR         | Q6P8I4     | 0                     | N-term +42.01 Da, K +28.03 Da,             | 1116.271118        | 4      | 442.2422791  | 442.241532      |
| APVAGKK                 | O35490     | 0.03015941            | N-term +42.01 Da, K +28.03 Da,             | 1117.889038        | 2      | 384.7523499  | 384.7525405     |
| ADGKAGEEKPEKPQR         | Q6P8I4     | 0.00194742            | N-term +42.01 Da, K +28.03 Da,             | 1126.303101        | 3      | 589.3200073  | 589.3196171     |
| AAAKDSHEDHDTSTENADESNHD | P34022     | 0.02124834            | N-term +42.01 Da, K +28.03 Da,             | 1127.602051        | 4      | 642.5100098  | 642.2603746     |
| TENSTSAPAAKPKR          | P10922     | 0                     | N-term +42.01 Da, K +28.03 Da,             | 1144.20166         | 3      | 519.2860718  | 519.286136      |
| ADGKAGEEKPEKPQR         | Q6P8I4     | 0                     | N-term +42.01 Da, K +28.03 Da,             | 1146.774414        | 4      | 442.2414551  | 442.241532      |
| SNLSKGTGSR              | Q9JLV5     | 0                     | N-term +42.01 Da, K +28.03 Da,             | 1153.964722        | 2      | 538.788269   | 538.7883727     |
| SESGKSSQPLASKQEKGTEKR   | P17095     | 0.00149551            | N-term +42.01 Da, K +28.03 Da,             | 1160.539673        | 4      | 655.5999756  | 655.3462525     |
| TENSTSAPAAKPKR          | P10922     | 0                     | N-term +42.01 Da, K +28.03 Da,             | 1175.409546        | 3      | 519.6143188  | 519.286136      |
| AAAQPESR                | Q9ET26     | 0.0014742             | N-term +42.01 Da,                          | 1178.88623         | 2      | 436.2171631  | 436.2170514     |
| SAGSSCSQTPSR            | Q60876     | 0                     | N-term +42.01 Da, C +57.02Da,              | 1189.090088        | 2      | 633.7722778  | 633.7725946     |
| TENSTSAPAAKPKR          | P10922     | 0.00054915            | N-term +42.01 Da, K +28.03 Da,             | 1200.860352        | 2      | 778.916687   | 778.4255658     |

|                  |        |            |   |             |   |             |             |
|------------------|--------|------------|---|-------------|---|-------------|-------------|
| TENSTSAPAAKPKR   | P10922 | 0.00054142 | N-term +42.01 Da, K +28.03 Da,            | 1207.233521 | 3 | 519.6141968 | 519.286136  |
| SHASPAAKPSNSKNPR | Q9CR16 | 0          | N-term +42.01 Da, K +28.03 Da,            | 1218.355835 | 3 | 582.9699707 | 582.9797061 |
| ADEGKSYNEHDDR    | Q99JX7 | 0          | N-term +42.01 Da, K +28.03 Da,            | 1220.570435 | 3 | 535.8973999 | 535.8973775 |
| AAADEPKPK        | P55264 | 0.00057143 | N-term +42.01 Da, K +28.03 Da,            | 1254.573486 | 2 | 512.7874756 | 512.7873097 |
| TENSTSAPAAKPK    | P10922 | 0          | N-term +42.01 Da, K +28.03 Da,            | 1266.795532 | 2 | 700.8800049 | 700.3750101 |
| TTYNNGPKPER      | P49429 | 0          | N-term +42.01 Da, K +28.03 Da,            | 1272.341309 | 3 | 501.6038818 | 501.6035762 |
| EGEETAAGAGAKSR   | Q924Z4 | 0.00055432 | N-term +42.01 Da, K +28.03 Da,            | 1274.833374 | 2 | 702.8400269 | 702.3416989 |
| MDQQTQHPSK       | Q9JL3  | 0.00193798 | N-term +42.01 Da, K +28.03 Da,            | 1277.121094 | 2 | 571.2700195 | 571.2689585 |
| SAGASATGPR       | Q3UJD6 | 0          | N-term +42.01 Da,                         | 1278.49292  | 2 | 458.7277222 | 458.7277834 |
| TTYNNGPKPER      | P49429 | 0          | N-term +42.01 Da, K +28.03 Da,            | 1279.713989 | 2 | 751.9000244 | 751.9017261 |
| AAADEPKPK        | P55264 | 0.0005385  | N-term +42.01 Da, K +28.03 Da,            | 1288.09082  | 2 | 512.7872314 | 512.7873097 |
| SCQISCRSR        | Q3TTY5 | 0          | N-term +42.01 Da, C +57.02Da,             | 1302.322632 | 2 | 598.7800293 | 598.2689669 |
| TTYNNGPKPER      | P49429 | 0.00054437 | N-term +42.01 Da, K +28.03 Da,            | 1302.876465 | 3 | 501.6034241 | 501.6035762 |
| SGEDVPHR         | Q9CR00 | 0.00104987 | N-term +42.01 Da,                         | 1317.371094 | 2 | 469.7212219 | 469.7199584 |
| MESNKDEAER       | Q9QYI4 | 0.00054615 | N-term +42.01 Da, K +28.03 Da,            | 1329.038086 | 2 | 639.7849121 | 639.7851706 |
| AATASPGAGR       | Q9CR62 | 0          | N-term +42.01 Da,                         | 1330.871704 | 2 | 450.230011  | 450.7303259 |
| ADAAVGKEKCGDQR   | Q9JKP8 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 1342.550171 | 3 | 534.9331665 | 534.9349975 |
| AASPGSGSANPR     | Q91X84 | 0          | N-term +42.01 Da,                         | 1342.970947 | 2 | 557.269043  | 557.2678046 |
| SGEDVPHR         | Q9CR00 | 0.00104987 | N-term +42.01 Da,                         | 1348.952393 | 2 | 469.7200012 | 469.7199584 |
| AKPLTDQEKR       | Q9ET01 | 0.00054289 | N-term +42.01 Da, K +28.03 Da,            | 1349.370728 | 3 | 428.5818787 | 428.5821122 |
| AKPLTDQEKR       | Q9ET01 | 0.00053362 | N-term +42.01 Da, K +28.03 Da,            | 1351.425903 | 2 | 642.3695068 | 642.36953   |
| MEAVPEKKKK       | P14148 | 0.00151668 | N-term +42.01 Da, K +28.03 Da,            | 1355.005371 | 3 | 447.9436646 | 447.9439932 |
| AAEIHSR          | _tr G3 | 0.04613466 | N-term +42.01 Da,                         | 1370.111328 | 2 | 413.2099915 | 413.2143113 |
| AKPAGDAAVGSR     | Q80UU1 | 0          | N-term +42.01 Da, K +28.03 Da,            | 1373.752441 | 2 | 585.3165894 | 585.3172973 |
| KMKDTDSEEEIR     | P62204 | 0.00056754 | N-term +42.01 Da, K +28.03 Da,            | 1378.018433 | 3 | 526.9273071 | 526.9275089 |
| AKPLTDQEKR       | Q9ET01 | 0          | N-term +42.01 Da, K +28.03 Da,            | 1380.909424 | 3 | 428.5820923 | 428.5821122 |
| TTYNNGPKPER      | P49429 | 0.03133047 | N-term +42.01 Da, K +28.03 Da,            | 1382.958374 | 3 | 501.9312744 | 501.6035762 |
| ATSAEAPAKEAQKR   | Q8BGA5 | 0          | N-term +42.01 Da, K +28.03 Da,            | 1390.696167 | 3 | 519.2862549 | 519.286136  |
| STAGKVIKCK       | P00329 | 0.01364877 | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 1394.583984 | 3 | 406.5799866 | 406.5810548 |
| SATSVDR          | Q8BYK6 | 0.00149254 | N-term +42.01 Da,                         | 1398.960693 | 2 | 453.2200012 | 453.2197914 |
| ADDP5AADR        | Q8BWW3 | 0          | N-term +42.01 Da,                         | 1406.106689 | 2 | 480.2099915 | 480.2068814 |
| ATSASSHLNK       | P15105 | 0          | N-term +42.01 Da, K +28.03 Da,            | 1424.658813 | 2 | 543.2824707 | 543.2829231 |
| SYQGKKNIPR       | O08553 | 0          | N-term +42.01 Da, K +28.03 Da,            | 1424.734253 | 3 | 430.2509766 | 430.2505851 |
| MDSKQQTVR        | P70694 | 0.00149925 | N-term +42.01 Da, K +28.03 Da,            | 1435.080811 | 2 | 581.7976074 | 581.7978831 |
| ATKIDKEACR       | Q9CQI6 | 0.01441441 | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 1441.205566 | 3 | 430.5674133 | 430.5675857 |
| AAPSMKER         | Q8BGD8 | 0.0015536  | N-term +42.01 Da, K +28.03 Da,            | 1441.281128 | 2 | 480.2525024 | 480.2525794 |
| ANKAPSQMER       | P31725 | 0.02850972 | N-term +42.01 Da, K +28.03 Da,            | 1451.080933 | 2 | 601.3024292 | 601.3033326 |
| MDSKQQTVR        | P70694 | 0          | N-term +42.01 Da, K +28.03 Da,            | 1465.934326 | 2 | 581.7977905 | 581.7978831 |
| AAEDPATR         | Q68FH4 | 0.00703565 | N-term +42.01 Da,                         | 1475.742432 | 2 | 436.7099915 | 436.7090593 |
| ANKAPSQMER       | P31725 | 0          | N-term +42.01 Da, K +28.03 Da,            | 1478.259888 | 3 | 401.2049255 | 401.2046472 |

|                      |        |            |   |             |   |             |             |
|----------------------|--------|------------|---|-------------|---|-------------|-------------|
| PDPAKSAPAPK          | Q64525 | 0          | N-term +42.01 Da, K +28.03 Da,            | 1486.670532 | 2 | 588.8342285 | 588.8347914 |
| AQASAAPKAGTATGR      | P56480 | 0.00427148 | N-term +42.01 Da, K +28.03 Da,            | 1487.64978  | 2 | 714.3900146 | 714.3837006 |
| SSSPVNVKK            | Q8VKE3 | 0.00613497 | N-term +42.01 Da, K +28.03 Da,            | 1488.763062 | 2 | 522.3080444 | 522.3084092 |
| AEAEGGDEAR           | Q8CHP8 | 0          | N-term +42.01 Da,                         | 1494.508423 | 2 | 559.2416382 | 559.241453  |
| MDSKQQTVR            | P70694 | 0.00053967 | N-term +42.01 Da, K +28.03 Da,            | 1497.207886 | 2 | 581.7990723 | 581.7978831 |
| MEKEEETTR            | E9Q616 | 0          | N-term +42.01 Da, K +28.03 Da,            | 1497.688843 | 2 | 611.7800293 | 611.7846391 |
| GAAAAEADR            | Q9CQT2 | 0.01397656 | N-term +42.01 Da,                         | 1507.894531 | 2 | 436.7099915 | 437.2066838 |
| ADLKAAGGR            | Q99LH9 | 0          | N-term +42.01 Da, K +28.03 Da,            | 1510.564941 | 3 | 362.5499878 | 362.2206257 |
| ATTVSTQR             | Q9QZ06 | 0.00152827 | N-term +42.01 Da,                         | 1515.296265 | 2 | 453.237854  | 453.237984  |
| PDPAKSAPAPK          | Q64525 | 0          | N-term +42.01 Da, K +28.03 Da,            | 1517.016968 | 2 | 588.8348389 | 588.8347914 |
| AQASAAPKAGTATGR      | P56480 | 0.00194363 | N-term +42.01 Da, K +28.03 Da,            | 1519.700928 | 2 | 714.3800049 | 714.3837006 |
| ASCDEIHEPR           | Q8C650 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 1528.421021 | 3 | 471.230011  | 471.226     |
| SHGSHETDEEFDAR       | P12787 | 0.00053476 | N-term +42.01 Da,                         | 1532.866455 | 3 | 553.5599976 | 553.5607655 |
| AFPKKCLR             | Q9DCJ9 | 0.02045353 | N-term +42.01 Da, K +28.03 Da,            | 1534.690063 | 3 | 371.9221802 | 371.9217395 |
| SHGSHETDEEFDAR       | P12787 | 0          | N-term +42.01 Da,                         | 1534.986206 | 3 | 553.9000244 | 553.5607655 |
| GSGMKAGFAGDDAPR      | P60710 | 0.00240038 | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 1536.267944 | 3 | 556.9199829 | 556.2485877 |
| SSKTASTNSIAQAR       | Q9DAS9 | 0.03255814 | N-term +42.01 Da, K +28.03 Da,            | 1537.037476 | 2 | 747.3900146 | 746.3917231 |
| SSNECFKCGR           | P53996 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 1538.242798 | 2 | 657.7825317 | 657.7819075 |
| SHGSHETDEEFDAR       | P12787 | 0.00056148 | N-term +42.01 Da,                         | 1540.977539 | 3 | 553.2199707 | 553.5607655 |
| TTASPSQVR            | P09528 | 0          | N-term +42.01 Da,                         | 1542.071533 | 2 | 494.7557373 | 494.756541  |
| ASGNAQIGK            | Q61171 | 0.00053879 | N-term +42.01 Da, K +28.03 Da,            | 1545.130127 | 2 | 458.75      | 458.2483515 |
| AAQASAAPKAGTATGR     | P56480 | 0          | N-term +42.01 Da, K +28.03 Da,            | 1548.345459 | 2 | 749.9030762 | 749.9022576 |
| DFLPVEIR             | E9Q309 | 0.02122016 | N-term +42.01 Da,                         | 1557.956787 | 2 | 515.2800293 | 515.7820271 |
| AAQASAAPKAGTATGR     | P56480 | 0          | N-term +42.01 Da, K +28.03 Da,            | 1582.163574 | 2 | 749.9000244 | 749.9022576 |
| AENPGLENHR           | O35344 | 0          | N-term +42.01 Da,                         | 1584.952515 | 2 | 589.781189  | 589.7810791 |
| AAAAAGPASSQR         | Q9CX34 | 0          | N-term +42.01 Da,                         | 1586.754272 | 2 | 550.2800293 | 550.2781721 |
| SKSESPKEPEQLR        | P49312 | 0.0005618  | N-term +42.01 Da, K +28.03 Da,            | 1592.219849 | 3 | 538.289917  | 538.2895464 |
| MEQAVHGESKR          | Q9R1J0 | 0          | N-term +42.01 Da, K +28.03 Da,            | 1594.470215 | 3 | 447.8907166 | 447.89084   |
| TTASPSQVR            | P09528 | 0.00153925 | N-term +42.01 Da,                         | 1594.754639 | 2 | 494.7556458 | 494.756541  |
| MNNQKQKPTLSGQR       | Q9CQC6 | 0          | N-term +42.01 Da, K +28.03 Da,            | 1597.289917 | 3 | 619.3317871 | 619.3317511 |
| SGGGTETPVACDAAQGGKKR | Q8R015 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 1599.27124  | 3 | 682.6799927 | 682.3408642 |
| SKSESPKEPEQLR        | P49312 | 0.00057571 | N-term +42.01 Da, K +28.03 Da,            | 1600.93457  | 2 | 806.9299927 | 806.9306813 |
| AAVTNSAKR            | Q9D110 | 0.01360544 | N-term +42.01 Da, K +28.03 Da,            | 1603.151733 | 2 | 543.3200073 | 543.8169328 |
| STPGKENFR            | Q60960 | 0.00151899 | N-term +42.01 Da, K +28.03 Da,            | 1603.845093 | 2 | 553.28479   | 553.2854656 |
| MEQAVHGESKR          | Q9R1J0 | 0.00474383 | N-term +42.01 Da, K +28.03 Da,            | 1607.206543 | 2 | 671.3303223 | 671.3326218 |
| SGGGTETPVACDAAQGGKKR | Q8R015 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 1607.315918 | 3 | 683.0100098 | 682.3408642 |
| SSKTASTNSIAQAR       | Q9DAS9 | 0          | N-term +42.01 Da, K +28.03 Da,            | 1608.834351 | 2 | 747.4000244 | 746.3917231 |
| AQDQGEKENPMR         | Q9CXW4 | 0          | N-term +42.01 Da, K +28.03 Da,            | 1609.43103  | 2 | 736.8499756 | 736.8435513 |
| ATTAQQSPQPVAGKR      | Q99J36 | 0          | N-term +42.01 Da, K +28.03 Da,            | 1612.237305 | 2 | 805.4400024 | 805.4364648 |
| AAQASAAPKAGTATGR     | P56480 | 0          | N-term +42.01 Da, K +28.03 Da,            | 1612.935913 | 2 | 749.9020996 | 749.9022576 |

|                            |        |            |                                |             |   |             |             |
|----------------------------|--------|------------|--------------------------------|-------------|---|-------------|-------------|
| AAAAAGPASSQR               | Q9CX34 | 0          | N-term +42.01 Da,              | 1617.796509 | 2 | 550.2791138 | 550.2781721 |
| AANPSGQGFQNKNR             | Q3TXT3 | 0.00056721 | N-term +42.01 Da, K +28.03 Da, | 1624.419678 | 2 | 779.8900146 | 779.8896816 |
| TTASPSQVR                  | P09528 | 0          | N-term +42.01 Da,              | 1625.836182 | 2 | 494.7570801 | 494.756541  |
| METPKPR                    | P70671 | 0.00928074 | N-term +42.01 Da, K +28.03 Da, | 1625.911743 | 2 | 464.7521362 | 464.7496724 |
| MDAQSSAKVNSR               | P49586 | 0          | N-term +42.01 Da, K +28.03 Da, | 1634.404053 | 2 | 682.3352661 | 682.3353618 |
| AQDQGEKENPMR               | Q9CXW4 | 0          | N-term +42.01 Da, K +28.03 Da, | 1640.956787 | 2 | 736.8427734 | 736.8435513 |
| AEDEVGNSQR                 | O55091 | 0          | N-term +42.01 Da,              | 1641.627441 | 2 | 580.7618408 | 580.7625526 |
| AAQASAAPKAGTATGR           | P56480 | 0          | N-term +42.01 Da, K +28.03 Da, | 1645.044312 | 2 | 750.4000244 | 749.9022576 |
| AAADEPKPKKL                | P55264 | 0.0317662  | N-term +42.01 Da, K +28.03 Da, | 1648.014526 | 3 | 431.9308167 | 431.9307412 |
| AEVGEDSGAR                 | P42128 | 0.00057208 | N-term +42.01 Da,              | 1653.809082 | 2 | 516.7299805 | 516.7332635 |
| QQKEATTEQQLR               | O35490 | 0.02770563 | N-term +42.01 Da, K +28.03 Da, | 1655.455322 | 2 | 766.3929443 | 765.3995482 |
| THSVTLR                    | P70271 | 0.02651021 | N-term +42.01 Da,              | 1658.754272 | 2 | 428.2375183 | 428.2377864 |
| AAVTVNSAKR                 | Q9D110 | 0.00146771 | N-term +42.01 Da, K +28.03 Da, | 1661.049927 | 2 | 543.8170166 | 543.8169328 |
| TTASPSQVR                  | P09528 | 0.00055096 | N-term +42.01 Da,              | 1662.623657 | 2 | 494.7568665 | 494.756541  |
| AQYKGAASEAGR               | Q9VW03 | 0.00154242 | N-term +42.01 Da, K +28.03 Da, | 1662.791626 | 2 | 639.8259277 | 639.8254868 |
| AAEQIPGGGSGGGGSGGGGGGGGGGR | Q8BMA6 | 0          | N-term +42.01 Da, K +28.03 Da, | 1667.789551 | 3 | 767.3599854 | 767.3585233 |
| AAEQIPGGGSGGGGSGGGGGGGGGGR | Q8BMA6 | 0.02657952 | N-term +42.01 Da, K +28.03 Da, | 1668.073975 | 2 | 1150.535645 | 1150.534147 |
| AQDQGEKENPMR               | Q9CXW4 | 0          | N-term +42.01 Da, K +28.03 Da, | 1671.790283 | 2 | 736.8400269 | 736.8435513 |
| AAQASAAPKAGTATGR           | P56480 | 0.0005571  | N-term +42.01 Da, K +28.03 Da, | 1676.382446 | 2 | 749.901123  | 749.9022576 |
| AAGESMAQR                  | Q9D854 | 0.00156087 | N-term +42.01 Da,              | 1686.845825 | 2 | 481.7200012 | 481.7216438 |
| ATATPVQQQR                 | P14733 | 0.00054885 | N-term +42.01 Da,              | 1692.129517 | 2 | 571.3008423 | 571.3016472 |
| TTASPSQVR                  | P09528 | 0.00150602 | N-term +42.01 Da,              | 1693.515991 | 2 | 494.7562866 | 494.756541  |
| AGAVSEAR                   | Q8R0J7 | 0.00241663 | N-term +42.01 Da,              | 1696.014038 | 2 | 401.7063904 | 401.7063193 |
| ATGQKLMR                   | P47199 | 0.00152207 | N-term +42.01 Da, K +28.03 Da, | 1702.178223 | 2 | 487.776123  | 487.7762215 |
| ATSASSHLNKGIK              | P15105 | 0          | N-term +42.01 Da, K +28.03 Da, | 1702.253662 | 3 | 471.2676392 | 471.2683049 |
| TEADVNP                    | Q9D0T1 | 0.0010543  | N-term +42.01 Da, K +28.03 Da, | 1712.440674 | 2 | 472.2402649 | 472.2401925 |
| AQEEEDVR                   | Q505B7 | 0.00150905 | N-term +42.01 Da,              | 1712.591675 | 2 | 509.230011  | 509.227814  |
| TLKSSEGEENSMR              | P70290 | 0.00149105 | N-term +42.01 Da, K +28.03 Da, | 1714.552246 | 2 | 762.3599854 | 761.8619414 |
| GTGNKNKINITNDQNR           | P20029 | 0.00055679 | N-term +42.01 Da, K +28.03 Da, | 1717.510254 | 3 | 625.3300171 | 624.6693092 |
| SSPPEGKLETK                | Q91XC8 | 0.002405   | N-term +42.01 Da, K +28.03 Da, | 1719.276733 | 2 | 635.847229  | 635.8480965 |
| AAAVPQR                    | Q62446 | 0.0293483  | N-term +42.01 Da,              | 1738.067993 | 2 | 377.7139587 | 377.7139468 |
| ATNDAVLKR                  | P31230 | 0.00194269 | N-term +42.01 Da, K +28.03 Da, | 1743.282349 | 2 | 529.2999878 | 529.3036582 |
| ATESGSDSQLR                | Q8CEC6 | 0          | N-term +42.01 Da,              | 1747.08252  | 2 | 596.7800293 | 596.7756602 |
| ASASEPPASPR                | P35276 | 0.02123894 | N-term +42.01 Da,              | 1749.560181 | 2 | 556.2663574 | 556.2725556 |
| SSPPEGKLETK                | Q91XC8 | 0.0010433  | N-term +42.01 Da, K +28.03 Da, | 1750.117432 | 2 | 635.8482056 | 635.8480965 |
| MEKPAASTEPPQGSR            | Q9JMD3 | 0.00056657 | N-term +42.01 Da, K +28.03 Da, | 1756.498291 | 2 | 779.8796387 | 779.880134  |
| SEAAPAAPAAAPPAEKAPAKKK     | P15864 | 0          | N-term +42.01 Da, K +28.03 Da, | 1770.568115 | 4 | 557.3275146 | 557.3268676 |
| SEAAPAAPAAAPPAEKAPAKKK     | P15864 | 0          | N-term +42.01 Da, K +28.03 Da, | 1770.97168  | 3 | 743.0999756 | 742.7667313 |
| AGQEDPVQR                  | Q91VR8 | 0.02854671 | N-term +42.01 Da,              | 1772.303833 | 2 | 521.2520142 | 521.251623  |
| AGAAEDVR                   | Q8C8T8 | 0.00148883 | N-term +42.01 Da,              | 1773.122192 | 2 | 415.7043152 | 415.7037768 |

|                          |        |            |   |             |   |             |             |
|--------------------------|--------|------------|---|-------------|---|-------------|-------------|
| MNQEKLAK                 | Q64152 | 0.01699463 | N-term +42.01 Da, K +28.03 Da,            | 1784.963623 | 2 | 530.2973022 | 530.2969871 |
| SEAAPAAPAAAPPAEKAPAKKKAA | P15864 | 0          | N-term +42.01 Da, K +28.03 Da,            | 1786.375366 | 4 | 593.0999756 | 592.8454247 |
| MEKPAASTEPQGSR           | Q9JMD3 | 0.00154799 | N-term +42.01 Da, K +28.03 Da,            | 1787.613403 | 2 | 779.8800049 | 779.880134  |
| SEAAPAAPAAAPPAEKAPAKKKAA | P15864 | 0.00153846 | N-term +42.01 Da, K +28.03 Da,            | 1792.973267 | 3 | 790.460022  | 790.1248074 |
| AAAAAAGSGTPR             | Q9CQ36 | 0          | N-term +42.01 Da,                         | 1801.117188 | 2 | 521.7681885 | 521.7674401 |
| SETAPAAPAAPAPAECTPVKKKAR | P43274 | 0          | N-term +42.01 Da, K +28.03 Da,            | 1801.402222 | 4 | 636.3699951 | 636.1245315 |
| AGDAVQSEPR               | P70268 | 0          | N-term +42.01 Da,                         | 1803.128296 | 2 | 536.2600098 | 536.2569056 |
| ADTAPQLKR                | Q9DAR7 | 0          | N-term +42.01 Da, K +28.03 Da,            | 1808.821289 | 2 | 535.3033447 | 535.3036582 |
| SHGSHETDEEFDAR           | P12787 | 0          | N-term +42.01 Da,                         | 1813.265381 | 2 | 829.8391113 | 829.83751   |
| SETAPAAPAAPAPAECTPVKKKAR | P43274 | 0          | N-term +42.01 Da, K +28.03 Da,            | 1814.775757 | 3 | 847.8300171 | 847.8302832 |
| ADIQTER                  | P62281 | 0.03779924 | N-term +42.01 Da,                         | 1815.92334  | 2 | 437.7163696 | 437.7168844 |
| SHGSHETDEEFDAR           | P12787 | 0          | N-term +42.01 Da,                         | 1819.084595 | 3 | 553.5599976 | 553.5607655 |
| SGEEDTSRRTAAR            | Q35231 | 0.00382592 | N-term +42.01 Da,                         | 1819.560425 | 2 | 705.3300171 | 704.8185884 |
| MEKPAASTEPQGSR           | Q9JMD3 | 0.0249017  | N-term +42.01 Da, K +28.03 Da,            | 1820.234375 | 2 | 779.8800049 | 779.880134  |
| AQTAAAAAPR               | Q9CQA3 | 0.04607721 | N-term +42.01 Da,                         | 1822.454346 | 2 | 485.7600098 | 485.2592505 |
| STGVPSGSSAATGSNR         | P63024 | 0          | N-term +42.01 Da,                         | 1824.293457 | 2 | 739.3499756 | 739.347513  |
| SQSLKSQNTNMSDSGCR        | Q8BYU6 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 1824.447266 | 2 | 985.4400024 | 985.4387512 |
| SASPDDIK                 | Q9QYI5 | 0.03094113 | N-term +42.01 Da, K +28.03 Da,            | 1831.818481 | 2 | 452.730011  | 451.7269179 |
| AAAKVALTKR               | Q9QXX4 | 0          | N-term +42.01 Da, K +28.03 Da,            | 1832.0448   | 3 | 376.2480469 | 376.2484041 |
| ADTAPQLKR                | Q9DAR7 | 0.00055371 | N-term +42.01 Da, K +28.03 Da,            | 1839.855835 | 2 | 535.3032227 | 535.3036582 |
| MEEASGSAGNDR             | O70404 | 0          | N-term +42.01 Da,                         | 1847.784058 | 2 | 633.2564087 | 633.2567775 |
| SHGSHETDEEFDAR           | P12787 | 0.00240848 | N-term +42.01 Da,                         | 1849.748779 | 2 | 830.3400269 | 829.83751   |
| MDQQTQHPSKAAQPLR         | Q9JLJ3 | 0          | N-term +42.01 Da, K +28.03 Da,            | 1862.747437 | 2 | 889.960022  | 889.4543318 |
| AQERPSCAVEPEHVQR         | P56389 | 0          | N-term +42.01 Da, C +57.02Da,             | 1869.092163 | 3 | 645.6427612 | 645.6427657 |
| ASGSMATSEER              | Q9DBC7 | 0          | N-term +42.01 Da,                         | 1872.466675 | 2 | 648.7700195 | 648.7722606 |
| SGFSSEER                 | Q9D819 | 0.00193986 | N-term +42.01 Da,                         | 1878.870239 | 2 | 470.7035828 | 470.7039743 |
| SHGSHETDEEFDAR           | P12787 | 0.00056338 | N-term +42.01 Da,                         | 1880.961548 | 2 | 829.8400269 | 829.83751   |
| MDQQTQHPSKAAQPLR         | Q9JLJ3 | 0          | N-term +42.01 Da, K +28.03 Da,            | 1881.337036 | 3 | 593.3043213 | 593.3053133 |
| AETVADTR                 | O70492 | 0.00152053 | N-term +42.01 Da,                         | 1882.259888 | 2 | 452.7210083 | 452.7221669 |
| SSSPVNVK                 | Q8VEK3 | 0.00791803 | N-term +42.01 Da, K +28.03 Da,            | 1886.302612 | 2 | 444.2449951 | 444.2452775 |
| ADEVGGEALGR              | A8DUK4 | 0.00105374 | N-term +42.01 Da,                         | 1887.390625 | 2 | 559.2774658 | 558.2700131 |
| ADADKSEAAAGDDGSQQQPAEPR  | Q8C854 | 0          | N-term +42.01 Da, K +28.03 Da,            | 1895.380371 | 3 | 795.3599854 | 795.358078  |
| SSSPVNVKCLK              | Q8VEK3 | 0.00382958 | N-term +42.01 Da, K +28.03 Da,            | 1898.2146   | 3 | 438.2780762 | 438.2781409 |
| ADADKSEAAAGDDGSQQQPAEPR  | Q8C854 | 0.00057013 | N-term +42.01 Da, K +28.03 Da,            | 1900.363281 | 3 | 796.0300293 | 795.358078  |
| SSSPVNVKCLK              | Q8VEK3 | 0.01016636 | N-term +42.01 Da, K +28.03 Da,            | 1903.052124 | 2 | 656.9134521 | 656.9135732 |
| MEQCKPQVTR               | P29788 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 1910.075928 | 2 | 674.3300171 | 673.8314002 |
| SHGSHETDEEFDAR           | P12787 | 0.01062356 | N-term +42.01 Da,                         | 1912.436646 | 2 | 829.8400269 | 829.83751   |
| SSSPVNVK                 | Q8VEK3 | 0.02201673 | N-term +42.01 Da, K +28.03 Da,            | 1917.257935 | 2 | 444.2450867 | 444.2452775 |
| AKPLTDQEKR               | Q9ET01 | 0.00612341 | N-term +42.01 Da, K +28.03 Da,            | 1919.619385 | 2 | 642.3599854 | 642.36953   |
| SETAPAAPAAPAPAECTPVKKK   | P43274 | 0          | N-term +42.01 Da, K +28.03 Da,            | 1919.775146 | 4 | 579.3399658 | 579.3399751 |

|                       |        |            |   |             |   |             |             |
|-----------------------|--------|------------|---|-------------|---|-------------|-------------|
| ADPGVPGR              | Q5EBG8 | 0.01367989 | N-term +42.01 Da,                         | 1921.618164 | 2 | 405.7086792 | 405.7088618 |
| SETAAPAAPAPAEKTPVKKK  | P43274 | 0          | N-term +42.01 Da, K +28.03 Da,            | 1930.594727 | 3 | 772.1169434 | 772.1175414 |
| AAAAAAPGGGGGEPR       | Q63844 | 0.0015528  | N-term +42.01 Da,                         | 1932.301636 | 2 | 626.3067017 | 626.3074612 |
| SGSSVAAMK             | Q80S27 | 0          | N-term +42.01 Da, K +28.03 Da,            | 1935.858643 | 2 | 497.75      | 497.7473274 |
| GLSSNSAVR             | Q91WS0 | 0.01788109 | N-term +42.01 Da,                         | 1937.189697 | 2 | 466.7437134 | 466.7434335 |
| KISPEEIER             | O08712 | 0.0137237  | N-term +42.01 Da, K +28.03 Da,            | 1941.386719 | 3 | 390.8900146 | 390.8836797 |
| AATMSEPR              | Q9DCC4 | 0.00156006 | N-term +42.01 Da,                         | 1958.370728 | 2 | 452.7125549 | 452.7132873 |
| MESNHKSGDGLSGTQKEAALR | Q5YD48 | 0          | N-term +42.01 Da, K +28.03 Da,            | 2003.350098 | 4 | 579.539978  | 579.2918567 |
| AANATMATSGSAR         | Q91VC3 | 0          | N-term +42.01 Da,                         | 2007.537231 | 2 | 625.789978  | 625.7933296 |
| SSPPEGKLETKAGHPPAVK   | Q91XC8 | 0.00150451 | N-term +42.01 Da, K +28.03 Da,            | 2009.252563 | 4 | 515.039978  | 514.7913892 |
| GFIQERELR             | Q8C4S8 | 0.03115664 | N-term +42.01 Da,                         | 2010.185181 | 2 | 596.3200073 | 595.3198398 |
| MDPNCSCASDGCSCAGACKCK | P02798 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 2013.080322 | 3 | 861.3200073 | 860.9839445 |
| CRQHSELSCRGR          | Q8CI03 | 0.03113006 | N-term +42.01 Da, C +57.02Da,             | 2016.919556 | 2 | 794.3599854 | 794.3649933 |
| AATTGSGVKVPR          | Q9CZY3 | 0          | N-term +42.01 Da, K +28.03 Da,            | 2020.997925 | 2 | 607.3483887 | 607.3485974 |
| FCNTVHDIVNRGGR        | Q9QXK7 | 0.03183362 | N-term +42.01 Da, C +57.02Da,             | 2021.575684 | 4 | 422.9615479 | 422.4586838 |
| AEDIKTIK              | P56391 | 0.00195599 | N-term +42.01 Da, K +28.03 Da,            | 2024.394043 | 3 | 391.2478333 | 391.2480702 |
| ASEAGGIGGGGGGKIR      | E9Q3G8 | 0.00153374 | N-term +42.01 Da, K +28.03 Da,            | 2027.693237 | 2 | 735.8843994 | 735.8866076 |
| SETAAPAAPAPAEKTPVKK   | P43274 | 0.00054083 | N-term +42.01 Da, K +28.03 Da,            | 2029.096802 | 3 | 720.0800171 | 720.0754535 |
| TASSAEQLR             | D3YVI2 | 0.0015213  | N-term +42.01 Da,                         | 2032.366943 | 2 | 502.75      | 502.7539985 |
| ATNDAVLKR             | P31230 | 0          | N-term +42.01 Da, K +28.03 Da,            | 2033.61853  | 2 | 529.7999878 | 529.3036582 |
| AAAEEDGGPEGPNR        | O35445 | 0          | N-term +42.01 Da,                         | 2033.964355 | 2 | 770.8300171 | 770.8291534 |
| AAGPISER              | Q8QZY9 | 0.00700935 | N-term +42.01 Da,                         | 2040.593506 | 2 | 421.7216492 | 421.7219694 |
| AAAMDVDTPSGTNSGAGKKR  | P62878 | 0.00053163 | N-term +42.01 Da, K +28.03 Da,            | 2042.831665 | 3 | 678.3499756 | 678.0091145 |
| SKSFQQSSLGR           | Q8K310 | 0.00105485 | N-term +42.01 Da, K +28.03 Da,            | 2046.37561  | 2 | 647.8404541 | 647.8411369 |
| MDADKDNKQACDER        | O35309 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 2051.231934 | 3 | 636.291748  | 636.2926339 |
| ASSHTVLMR             | Q9Z0S1 | 0          | N-term +42.01 Da,                         | 2051.307129 | 2 | 522.2677612 | 522.268761  |
| MEEESIKEGSEKPR        | Q8K124 | 0          | N-term +42.01 Da, K +28.03 Da,            | 2051.533691 | 3 | 582.9569092 | 582.9574683 |
| AATTGSGVKVPR          | Q9CZY3 | 0          | N-term +42.01 Da, K +28.03 Da,            | 2052.303223 | 2 | 607.3479614 | 607.3485974 |
| DEEDEEEDEDEGPVR       | Q9D0J8 | 0          | N-term +42.01 Da,                         | 2053.076904 | 2 | 989.3900146 | 988.8718087 |
| ASNNTASIAQAR          | P63213 | 0.02366345 | N-term +42.01 Da,                         | 2056.141113 | 2 | 623.3099976 | 623.3127438 |
| SAPEGLGDAHGDADR       | P58137 | 0          | N-term +42.01 Da,                         | 2057.830078 | 2 | 755.3300171 | 755.3318629 |
| AANATMATSGSAR         | Q91VC3 | 0.0200267  | N-term +42.01 Da,                         | 2066.123291 | 2 | 626.7919922 | 625.7933296 |
| ATPAAPASGVR           | Q3UDR8 | 0.00150754 | N-term +42.01 Da,                         | 2077.885498 | 2 | 520.2788696 | 520.2801831 |
| SKSFQQSSLGR           | Q8K310 | 0          | N-term +42.01 Da, K +28.03 Da,            | 2078.036377 | 2 | 647.8400269 | 647.8411369 |
| MNSVSPR               | Q91WT7 | 0.01058932 | N-term +42.01 Da,                         | 2102.107178 | 2 | 416.7027893 | 416.7027222 |
| SETAAPAAPAPVEKTPVKKK  | P43277 | 0          | N-term +42.01 Da, K +28.03 Da,            | 2106.679932 | 4 | 586.5999756 | 586.3478002 |
| SETAAPAAPAPVEKTPVKKK  | P43277 | 0          | N-term +42.01 Da, K +28.03 Da,            | 2112.203125 | 3 | 781.460022  | 781.4613081 |
| AAATASSALKR           | Q9Z160 | 0.00056915 | N-term +42.01 Da, K +28.03 Da,            | 2119.275146 | 2 | 558.8243408 | 558.8222153 |
| TMDKSELVQKAK          | Q9CQV8 | 0.00148295 | N-term +42.01 Da, K +28.03 Da,            | 2123.921875 | 3 | 501.9500122 | 501.9532176 |
| MLSGSGSQGR            | D3Z6I7 | 0          | N-term +42.01 Da,                         | 2133.052979 | 2 | 511.2400818 | 511.2402009 |

|                          |        |            |   |             |   |             |             |
|--------------------------|--------|------------|---|-------------|---|-------------|-------------|
| MNKAPQPTGPPPAR           | Q6NZJ6 | 0          | N-term +42.01 Da, K +28.03 Da,            | 2137.395996 | 2 | 766.4099731 | 766.4061211 |
| HQGVMMVGMGQKDSYVGDQAQSKR | P60710 | 0          | N-term +42.01 Da, K +28.03 Da,            | 2140.869873 | 4 | 652.3200073 | 652.0678937 |
| TTQGGLVANR               | Q9CZX9 | 0          | N-term +42.01 Da,                         | 2144.308105 | 2 | 529.7800293 | 529.7830901 |
| SNGYEDHMAEDCR            | P70372 | 0          | N-term +42.01 Da, C +57.02Da,             | 2144.470459 | 2 | 813.789978  | 813.3013911 |
| LIYKQYQIR                | Q8VIB3 | 0.02653328 | N-term +42.01 Da, K +28.03 Da,            | 2144.545654 | 3 | 432.2600098 | 432.2554475 |
| MDKNELVQKAK              | P63101 | 0.03655462 | N-term +42.01 Da, K +28.03 Da,            | 2157.543945 | 3 | 477.273468  | 477.2742909 |
| MEGHDPKEPEQLR            | B2RXM2 | 0          | N-term +42.01 Da, K +28.03 Da,            | 2157.770264 | 3 | 545.9307251 | 545.9313645 |
| MEGHDPKEPEQLR            | B2RXM2 | 0          | N-term +42.01 Da, K +28.03 Da,            | 2161.459717 | 2 | 818.3928833 | 818.3934086 |
| MEVKPPPGRQPDSGR          | Q8BG05 | 0.03125    | N-term +42.01 Da, K +28.03 Da,            | 2162.580078 | 3 | 606.649231  | 606.64908   |
| MDKNELVQKAK              | P63101 | 0.00055249 | N-term +42.01 Da, K +28.03 Da,            | 2162.655518 | 2 | 715.4082031 | 715.4077981 |
| MQSAPLEQPAKRPR           | Q60710 | 0.00055402 | N-term +42.01 Da, K +28.03 Da,            | 2163.038818 | 3 | 560.3066406 | 560.3067653 |
| MNKAPQPTGPPPAR           | Q6NZJ6 | 0          | N-term +42.01 Da, K +28.03 Da,            | 2168.096436 | 2 | 766.4068604 | 766.4061211 |
| SVIDHVR                  | Q9WVM3 | 0.04952538 | N-term +42.01 Da,                         | 2171.240479 | 2 | 434.7399902 | 434.2377864 |
| MEEAPHGCPGADSAQAGR       | Q9R060 | 0          | N-term +42.01 Da, C +57.02Da,             | 2180.321045 | 2 | 941.8900146 | 941.893979  |
| SQAEFDKAAEEVKR           | P31786 | 0          | N-term +42.01 Da, K +28.03 Da,            | 2181.274414 | 3 | 569.2999878 | 569.2967011 |
| CTALSPKVR                | P11862 | 0.03331927 | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 2181.355469 | 2 | 551.8099976 | 551.3078861 |
| ATEGASSELIEKKR           | D3YYK3 | 0          | N-term +42.01 Da, K +28.03 Da,            | 2181.438721 | 3 | 539.6300049 | 539.6333131 |
| MEGHDPKEPEQLR            | B2RXM2 | 0.02647569 | N-term +42.01 Da, K +28.03 Da,            | 2189.146484 | 3 | 545.9312744 | 545.9313645 |
| SETAAPAAPAPAEKTPVKK      | P43274 | 0          | N-term +42.01 Da, K +28.03 Da,            | 2189.448242 | 3 | 720.4099731 | 720.0754535 |
| MEVKPPPGR                | Q8BG05 | 0.03107705 | N-term +42.01 Da, K +28.03 Da,            | 2189.77002  | 2 | 540.7974854 | 540.7971541 |
| SQAEFDKAAEEVKR           | P31786 | 0          | N-term +42.01 Da, K +28.03 Da,            | 2190.888916 | 2 | 853.9500122 | 853.4414133 |
| MEVKPPPGRQPDSGR          | Q8BG05 | 0.00105263 | N-term +42.01 Da, K +28.03 Da,            | 2193.42627  | 3 | 606.6487427 | 606.64908   |
| MDSKQQTVR                | P70694 | 0          | N-term +42.01 Da, K +28.03 Da,            | 2194.352295 | 2 | 581.8011475 | 581.7978831 |
| STNENANLPAAR             | P52293 | 0          | N-term +42.01 Da,                         | 2196.321777 | 2 | 650.8200073 | 650.3180263 |
| TMLADHAAR                | Q6P5F9 | 0.00152905 | N-term +42.01 Da,                         | 2200.512695 | 2 | 514.2524414 | 514.2531109 |
| AGTTTIEAVKR              | D3Z2H9 | 0.00053706 | N-term +42.01 Da, K +28.03 Da,            | 2201.052979 | 2 | 608.8499756 | 608.8484304 |
| AAAATGLR                 | Q9CQZ5 | 0.00382044 | N-term +42.01 Da,                         | 2212.192871 | 2 | 386.7200012 | 386.7192293 |
| SQAEFDKAAEEVKR           | P31786 | 0          | N-term +42.01 Da, K +28.03 Da,            | 2212.628906 | 3 | 569.2963257 | 569.2967011 |
| ATSPQKSPLVPKSPKSPSSR     | Q9EPC1 | 0          | N-term +42.01 Da, K +28.03 Da,            | 2213.122559 | 4 | 604.3499756 | 604.1007907 |
| GDVEKGGKIFVQKC           | P62897 | 0.02165267 | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 2218.012695 | 4 | 448.2600098 | 448.2615727 |
| TQSCTMASTKPLSR           | Q8R0F8 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 2229.480713 | 2 | 819.9000244 | 819.402919  |
| MEETEKKVATQEGR           | Q9QXZ6 | 0          | N-term +42.01 Da, K +28.03 Da,            | 2230.709717 | 3 | 578.6300049 | 578.629463  |
| AGTTTIEAVKR              | D3Z2H9 | 0.00792171 | N-term +42.01 Da, K +28.03 Da,            | 2233.587646 | 2 | 609.3499756 | 608.8484304 |
| MEETEKKVATQEGR           | Q9QXZ6 | 0          | N-term +42.01 Da, K +28.03 Da,            | 2233.699707 | 2 | 867.9400024 | 867.4405563 |
| AAAATGLR                 | Q9CQZ5 | 0.00382044 | N-term +42.01 Da,                         | 2243.428711 | 2 | 386.7200012 | 386.7192293 |
| STSVPGQHNWTR             | Q8BT51 | 0          | N-term +42.01 Da,                         | 2244.44873  | 2 | 706.8400269 | 706.3392929 |
| STSVPGQHNWTR             | Q8BT51 | 0          | N-term +42.01 Da,                         | 2247.886475 | 2 | 706.3400269 | 706.3392929 |
| AGNFDSEER                | Q64010 | 0          | N-term +42.01 Da,                         | 2250.209961 | 2 | 533.7253418 | 533.7254384 |
| SQERPTFYR                | P47811 | 0.02164311 | N-term +42.01 Da,                         | 2254.664063 | 2 | 613.3025513 | 613.3016472 |
| ANIAVQR                  | P61087 | 0.03118326 | N-term +42.01 Da,                         | 2261.820313 | 2 | 407.2306824 | 407.2325039 |

|                        |        |            |   |             |   |             |             |
|------------------------|--------|------------|---|-------------|---|-------------|-------------|
| MEKPAASTEPOGSRPALGR    | Q9JMD3 | 0.01573034 | N-term +42.01 Da, K +28.03 Da,            | 2266.474609 | 3 | 685.0209351 | 685.0213542 |
| AQAEQAYHRPL            | Q9CQ56 | 0.00380228 | N-term +42.01 Da,                         | 2272.754883 | 2 | 628.3200073 | 627.8149218 |
| AGSSAEQAADYR           | Q9ER72 | 0.00054705 | N-term +42.01 Da,                         | 2274.493896 | 2 | 634.2800293 | 634.2811097 |
| GNNQWVPYISLEER         | P22339 | 0.02242744 | N-term +42.01 Da,                         | 2278.661377 | 3 | 583.289978  | 582.9530457 |
| AAAAGVDPATR            | Q9CQ56 | 0.02645273 | N-term +42.01 Da,                         | 2290.045166 | 2 | 528.2800293 | 528.2776406 |
| LMQQKEATTEQQLR         | Q35490 | 0.02044444 | N-term +42.01 Da, K +28.03 Da,            | 2293.037109 | 2 | 888.460022  | 887.4618228 |
| MFQGADSQAGKSGSR        | Q6PGH2 | 0          | N-term +42.01 Da, K +28.03 Da,            | 2297.436035 | 2 | 798.8699951 | 798.875383  |
| AGTTTIEAVKR            | D3Z2H9 | 0.00056529 | N-term +42.01 Da, K +28.03 Da,            | 2302.707031 | 2 | 608.8481445 | 608.8484304 |
| ASTFNPR                | Q9JIL4 | 0.01369238 | N-term +42.01 Da,                         | 2303.317383 | 2 | 417.7099915 | 417.7088618 |
| SGYTPDEKLR             | Q3UIU2 | 0.0014771  | N-term +42.01 Da, K +28.03 Da,            | 2303.392822 | 2 | 618.8200073 | 618.3169633 |
| SLDMKEHPDAEVQKN        | O55060 | 0.00055494 | N-term +42.01 Da, K +28.03 Da,            | 2312.999512 | 3 | 613.9699707 | 613.6366177 |
| SETVICSSR              | P70460 | 0.00057471 | N-term +42.01 Da, C +57.02Da,             | 2326.797363 | 2 | 540.75      | 540.7531415 |
| DEEEEEDEGPVR           | Q9D0J8 | 0          | N-term +42.01 Da,                         | 2327.254395 | 2 | 802.8200073 | 802.3157424 |
| ADEVGGEALGR            | A8DUK4 | 0.01103448 | N-term +42.01 Da,                         | 2330.932129 | 2 | 558.2693481 | 558.2700131 |
| AGTTTIEAVKR            | D3Z2H9 | 0          | N-term +42.01 Da, K +28.03 Da,            | 2333.844238 | 2 | 608.8479614 | 608.8484304 |
| ASSVGNVADSTEPTKR       | Q8CGY8 | 0          | N-term +42.01 Da, K +28.03 Da,            | 2338.66626  | 2 | 845.4299927 | 844.9261278 |
| AVSTGVKVR              | Q9D2M8 | 0          | N-term +42.01 Da, K +28.03 Da,            | 2341.832275 | 2 | 542.3297119 | 542.3296758 |
| SETAPAAPAAPAPAEKTPVKKK | P43274 | 0          | N-term +42.01 Da, K +28.03 Da,            | 2342.255127 | 3 | 772.4400024 | 772.1175414 |
| ATPGEQCAGLR            | Q9R1S7 | 0          | N-term +42.01 Da, C +57.02Da,             | 2346.178223 | 2 | 601.2851563 | 601.2851401 |
| AAPAAPAAGETGPDAR       | Q9D6Y9 | 0          | N-term +42.01 Da,                         | 2346.408203 | 2 | 732.8599854 | 732.857516  |
| ADEIAKAQ               | P70349 | 0.01355014 | N-term +42.01 Da, K +28.03 Da,            | 2356.866455 | 2 | 458.2432861 | 458.242735  |
| AEGGAADLDTQR           | Q8R5H1 | 0          | N-term +42.01 Da,                         | 2359.972412 | 2 | 623.289917  | 623.2889347 |
| AESSELSASSPAR          | P97310 | 0          | N-term +42.01 Da,                         | 2360.19873  | 2 | 711.3400269 | 710.8311644 |
| SDKSDLKAELER           | O88485 | 0.00054735 | N-term +42.01 Da, K +28.03 Da,            | 2360.27417  | 2 | 744.8994751 | 744.8988497 |
| AGTTTIEAVKR            | D3Z2H9 | 0          | N-term +42.01 Da, K +28.03 Da,            | 2364.127197 | 2 | 608.8485107 | 608.8484304 |
| MDPNCSCASDGSCSCAGACK   | P02798 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 2368.512939 | 2 | 1133.400024 | 1132.893822 |
| MEVGQYQKNASR           | Q6PD10 | 0.00240964 | N-term +42.01 Da, K +28.03 Da,            | 2374.285156 | 2 | 705.3400269 | 705.3457293 |
| AAPAAPAAGETGPDAR       | Q9D6Y9 | 0          | N-term +42.01 Da,                         | 2376.964355 | 2 | 732.8560791 | 732.857516  |
| AVSTGVKVR              | Q9D2M8 | 0          | N-term +42.01 Da, K +28.03 Da,            | 2377.192139 | 2 | 542.3300171 | 542.3296758 |
| MDPNCSCASDGSCSCAGACK   | P02798 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 2379.090332 | 2 | 1133.900024 | 1132.893822 |
| ADTYAVVQKR             | Q61152 | 0.00105597 | N-term +42.01 Da, K +28.03 Da,            | 2380.509521 | 2 | 610.8372192 | 610.8353229 |
| VAQHLGESTVR            | P56480 | 0.00568451 | N-term +42.01 Da,                         | 2381.730225 | 2 | 620.8200073 | 619.8280293 |
| LMKEGLEAAR             | Q35490 | 0.00613208 | N-term +42.01 Da, K +28.03 Da,            | 2386.801758 | 2 | 595.3200073 | 594.3262762 |
| SGEGENPASKPTPVQDVQGDGR | Q61205 | 0          | N-term +42.01 Da, K +28.03 Da,            | 2390.551514 | 2 | 1149.050049 | 1148.046024 |
| SEPKAIDPKLSTTDR        | P63328 | 0.02205558 | N-term +42.01 Da, K +28.03 Da,            | 2395.476807 | 3 | 585.9887085 | 585.9877562 |
| MEKTELIQKAK            | P68254 | 0.04175365 | N-term +42.01 Da, K +28.03 Da,            | 2400.946777 | 3 | 482.2883301 | 482.2863079 |
| SETAPAAPAAPAPVEKTPVKK  | P43277 | 0          | N-term +42.01 Da, K +28.03 Da,            | 2408.342773 | 3 | 729.4199829 | 729.4192202 |
| AVSTGVKVR              | Q9D2M8 | 0          | N-term +42.01 Da, K +28.03 Da,            | 2408.883057 | 2 | 542.3296509 | 542.3296758 |
| TVEAAAHGTVTR           | O88844 | 0.00335731 | N-term +42.01 Da,                         | 2410.219727 | 2 | 692.8499756 | 692.3467839 |
| GEVAGGAAPGPPR          | Q61210 | 0          | N-term +42.01 Da,                         | 2410.562744 | 2 | 589.2999878 | 589.3016472 |



|                          |        |            |                                |             |   |             |             |
|--------------------------|--------|------------|--------------------------------|-------------|---|-------------|-------------|
| SSMTQNLK                 | Q9CQR4 | 0.00155602 | N-term +42.01 Da,              | 2410.713623 | 2 | 489.7364502 | 489.7372939 |
| SSGASVSALQR              | Q9CXP8 | 0.00053735 | N-term +42.01 Da,              | 2434.796631 | 2 | 553.2819214 | 552.7858302 |
| MQSAPLEQPAKR             | Q60710 | 0          | N-term +42.01 Da, K +28.03 Da, | 2438.299561 | 2 | 713.3794556 | 713.379572  |
| SEGDSVGDSDVHGKPSVVYR     | Q9CQU3 | 0          | N-term +42.01 Da, K +28.03 Da, | 2439.885986 | 3 | 682.6699829 | 682.3359962 |
| KVNADEVGGEALGR           | A8DUK4 | 0.01573741 | N-term +42.01 Da, K +28.03 Da, | 2441.080566 | 2 | 743.8787842 | 742.8888161 |
| AAVKTLNPKAEVAR           | P80317 | 0.00055525 | N-term +42.01 Da, K +28.03 Da, | 2446.162598 | 2 | 783.4699707 | 783.4723184 |
| MENSTTTISR               | Q3V0K9 | 0          | N-term +42.01 Da,              | 2451.672852 | 2 | 591.2800293 | 591.2769811 |
| AAVKTLNPKAEVAR           | P80317 | 0          | N-term +42.01 Da, K +28.03 Da, | 2460.287354 | 3 | 522.6503906 | 522.6506378 |
| VHQVLYR                  | P52196 | 0.00836431 | N-term +42.01 Da,              | 2469.899658 | 2 | 478.7687988 | 478.7692535 |
| AEASAAGADAGSAVAHR        | Q9D0C1 | 0          | N-term +42.01 Da,              | 2471.852783 | 2 | 813.3900146 | 812.8873366 |
| KEEDEEESPGQAKDEL         | P14211 | 0.01368613 | N-term +42.01 Da, K +28.03 Da, | 2474.254639 | 2 | 966.9299927 | 965.941839  |
| GEIEGTYS                 | Q91VS8 | 0.04718543 | N-term +42.01 Da,              | 2474.556641 | 2 | 483.730011  | 483.7299919 |
| AADTQVSETLKR             | E9PVA8 | 0          | N-term +42.01 Da, K +28.03 Da, | 2481.650879 | 2 | 694.8699951 | 694.8726345 |
| SHTILLVQPTKRPEGR         | P84089 | 0          | N-term +42.01 Da, K +28.03 Da, | 2484.195801 | 4 | 476.278595  | 476.2784486 |
| SHTILLVQPTKRPEGR         | P84089 | 0          | N-term +42.01 Da, K +28.03 Da, | 2486.138672 | 3 | 634.7028198 | 634.7021726 |
| SHTILLVQPTKRPEGR         | P84089 | 0.00195503 | N-term +42.01 Da, K +28.03 Da, | 2489.283203 | 2 | 951.5499878 | 951.5496207 |
| SHTILLVQPTKRPEGR         | P84089 | 0          | N-term +42.01 Da, K +28.03 Da, | 2492.153809 | 3 | 634.7017822 | 634.7021726 |
| AEVQQLR                  | Q9CR98 | 0.04177109 | N-term +42.01 Da,              | 2493.37915  | 2 | 443.2428589 | 443.243069  |
| AKIAKTHEDIEAQIR          | Q99NB9 | 0.04609635 | N-term +42.01 Da, K +28.03 Da, | 2494.709961 | 3 | 607.6794434 | 607.6791452 |
| SHTILLVQPTKRPEGR         | P84089 | 0.00105097 | N-term +42.01 Da, K +28.03 Da, | 2496.431396 | 2 | 952.5499878 | 951.5496207 |
| GTMAEETAPAVLER           | Q64374 | 0.04679089 | N-term +42.01 Da,              | 2515.928955 | 2 | 759.8800049 | 758.869235  |
| AATAAVPGAAAGR            | Q8CHW4 | 0          | N-term +42.01 Da,              | 2522.336182 | 2 | 563.3031616 | 563.3041897 |
| SAPFEER                  | Q9CQ48 | 0.03017241 | N-term +42.01 Da,              | 2523.125488 | 2 | 439.2000122 | 439.2061523 |
| AEVQQLR                  | Q9CR98 | 0.04177109 | N-term +42.01 Da,              | 2524.785645 | 2 | 443.2428589 | 443.243069  |
| AAETVELHKLK              | Q9D1J3 | 0          | N-term +42.01 Da, K +28.03 Da, | 2542.407227 | 3 | 446.2652588 | 446.2660126 |
| ATESSPLTTH               | Q9CRB3 | 0.00148736 | N-term +42.01 Da,              | 2547.549561 | 2 | 543.258667  | 543.2591141 |
| ASGADSKGDDLSTAILKQKNRPNR | Q01853 | 0          | N-term +42.01 Da, K +28.03 Da, | 2553.644043 | 4 | 667.8599854 | 667.8648777 |
| ALSDADVQKQ               | P50518 | 0.02656794 | N-term +42.01 Da, K +28.03 Da, | 2557.118896 | 2 | 573.2999878 | 572.7958637 |
| KVNSDEVGGEALGR           | P02088 | 0.02281703 | N-term +42.01 Da, K +28.03 Da, | 2560.125488 | 2 | 751.8800049 | 750.8862736 |
| GKVNSEVGGGEALGR          | P02088 | 0.0353238  | N-term +42.01 Da, K +28.03 Da, | 2561.391357 | 2 | 780.3900146 | 779.3970057 |
| AEGTAVLR                 | Q6PEB6 | 0.04573805 | N-term +42.01 Da,              | 2564.43042  | 2 | 429.7372437 | 429.7376194 |
| SQAEFDKAAE               | P31786 | 0.02574171 | N-term +42.01 Da, K +28.03 Da, | 2570.299805 | 2 | 583.2700195 | 583.2722216 |
| AGSSSLEAVR               | E9Q453 | 0.00155925 | N-term +42.01 Da,              | 2573.873535 | 2 | 510.2600098 | 509.7618236 |
| VHQVLYR                  | P52196 | 0.00836431 | N-term +42.01 Da,              | 2574.101318 | 2 | 478.7696533 | 478.7692535 |
| MKHYEVEIR                | Q9CY27 | 0.02365309 | N-term +42.01 Da, K +28.03 Da, | 2574.419678 | 3 | 425.5599976 | 425.5569093 |
| SQAEFDKAAEEVVKR          | P31786 | 0          | N-term +42.01 Da, K +28.03 Da, | 2579.444336 | 3 | 569.2999878 | 569.2967011 |
| AKIAQGAMYR               | P14824 | 0.00147131 | N-term +42.01 Da, K +28.03 Da, | 2580.077881 | 2 | 589.8210449 | 589.8211607 |
| AHYHDNYGKNDEVEFVR        | P25688 | 0          | N-term +42.01 Da, K +28.03 Da, | 2581.300537 | 4 | 541.75      | 541.502712  |
| AHYHDNYGKNDEVEFVR        | P25688 | 0          | N-term +42.01 Da, K +28.03 Da, | 2584.105957 | 3 | 721.6693115 | 721.6678572 |
| AEQVALSR                 | Q00612 | 0.0038059  | N-term +42.01 Da,              | 2587.011719 | 2 | 458.2471313 | 458.2483515 |

|                            |        |            |                                |             |   |             |             |
|----------------------------|--------|------------|--------------------------------|-------------|---|-------------|-------------|
| ASSDIQVKELEKR              | P54227 | 0          | N-term +42.01 Da, K +28.03 Da, | 2590.178955 | 3 | 534.302063  | 534.3016747 |
| AHYHDNYGKNDEVEFVR          | P25688 | 0          | N-term +42.01 Da, K +28.03 Da, | 2592.933594 | 2 | 1082.5      | 1081.998148 |
| MDSKESLAPPGR               | P06537 | 0.00837989 | N-term +42.01 Da, K +28.03 Da, | 2593.770508 | 2 | 679.3400269 | 679.3426553 |
| STAGVAAQDIR                | Q99JZ7 | 0          | N-term +42.01 Da,              | 2595.571045 | 2 | 565.7935181 | 565.7936552 |
| AGSSSLEAVR                 | E9Q453 | 0          | N-term +42.01 Da,              | 2604.217285 | 2 | 509.7615051 | 509.7618236 |
| AKIAQGAMYR                 | P14824 | 0.00148662 | N-term +42.01 Da, K +28.03 Da, | 2610.870605 | 2 | 589.8204956 | 589.8211607 |
| DIAPLPLPR                  | P24457 | 0.0436772  | N-term +42.01 Da,              | 2613.072998 | 3 | 345.2099915 | 345.206205  |
| AATEPPSLR                  | Q61136 | 0.001544   | N-term +42.01 Da,              | 2619.722656 | 2 | 492.2618408 | 492.2614591 |
| AAQESLHVKTPLR              | Q8VBT2 | 0          | N-term +42.01 Da, K +28.03 Da, | 2628.722168 | 2 | 760.4332886 | 760.4331933 |
| AESAESGGPPGAQDSAADGGPAEPK  | Q8R317 | 0          | N-term +42.01 Da, K +28.03 Da, | 2632.189697 | 3 | 775.3499756 | 775.0155407 |
| ASESGKLWGGR                | Q91YI0 | 0          | N-term +42.01 Da, K +28.03 Da, | 2635.45459  | 2 | 609.3170776 | 609.3172973 |
| AMNYSAKDEVDDGGPAGPPGGAAKTR | Q8VEK0 | 0          | N-term +42.01 Da, K +28.03 Da, | 2638.119141 | 3 | 839.4099731 | 839.0797098 |
| MEPGPAAPSSGAPR             | E9QM38 | 0          | N-term +42.01 Da,              | 2643.07959  | 2 | 683.8200073 | 683.8246298 |
| AGLGHPSAFGR                | Q9CWS0 | 0          | N-term +42.01 Da,              | 2644.74707  | 2 | 556.2857056 | 556.2857996 |
| AAKLAPEFAKR                | O08709 | 0.04956629 | N-term +42.01 Da, K +28.03 Da, | 2647.011963 | 3 | 434.2600098 | 433.9309639 |
| AAQESLHVKTPLR              | Q8VBT2 | 0          | N-term +42.01 Da, K +28.03 Da, | 2648.83374  | 3 | 507.2911682 | 507.291221  |
| MNVNDLKQR                  | Q91YN5 | 0          | N-term +42.01 Da, K +28.03 Da, | 2649.564209 | 2 | 594.3099976 | 594.3137002 |
| MDMGNQHPSISR               | Q8CI32 | 0          | N-term +42.01 Da,              | 2649.94165  | 2 | 707.8200073 | 707.8137391 |
| AGVCDAAAPGEGGGGGADGPER     | Q4VBD2 | 0.01374256 | N-term +42.01 Da, C +57.02Da,  | 2653.825928 | 2 | 985.9199829 | 985.4188732 |
| AFQVLYR                    | P48377 | 0.04142259 | N-term +42.01 Da,              | 2654.425293 | 2 | 469.25      | 469.7583545 |
| AGLGHPSAFGR                | Q9CWS0 | 0          | N-term +42.01 Da,              | 2660.476318 | 2 | 556.2861328 | 556.2857996 |
| MTSDQDAKVAEPQAQR           | Q6A0A2 | 0.02162401 | N-term +42.01 Da, K +28.03 Da, | 2664.543457 | 2 | 972.9799805 | 972.4782019 |
| TEQMTLR                    | P68040 | 0.01485817 | N-term +42.01 Da,              | 2666.875488 | 2 | 460.7286377 | 460.7289373 |
| MEGYHKPDQQKLQALKDTANR      | P40142 | 0          | N-term +42.01 Da, K +28.03 Da, | 2667.301514 | 4 | 650.3400269 | 650.0930686 |
| ASSAQSSGSSGGPAVPTVQR       | Q78PY7 | 0          | N-term +42.01 Da,              | 2679.960205 | 2 | 936.9500122 | 936.9559484 |
| AAQESLHVKTPLR              | Q8VBT2 | 0          | N-term +42.01 Da, K +28.03 Da, | 2681.769531 | 3 | 507.2900085 | 507.291221  |
| AFQVLYR                    | P48377 | 0.01361779 | N-term +42.01 Da,              | 2685.552979 | 2 | 469.7634583 | 469.7583545 |
| AHYHDNYGKNDEVEFVR          | P25688 | 0          | N-term +42.01 Da, K +28.03 Da, | 2690.552246 | 4 | 541.75      | 541.502712  |
| ASESGKLWGGR                | Q91YI0 | 0          | N-term +42.01 Da, K +28.03 Da, | 2692.310547 | 2 | 609.3163452 | 609.3172973 |
| AHYHDNYGKNDEVEFVR          | P25688 | 0          | N-term +42.01 Da, K +28.03 Da, | 2693.998047 | 4 | 542         | 541.502712  |
| ADEEKLPPGWEKR              | Q9QUR7 | 0          | N-term +42.01 Da, K +28.03 Da, | 2694.74707  | 3 | 551.6300049 | 551.6262697 |
| MNGGGKAEKENTPSEANLQEEEVV   | Q9WV80 | 0.02646421 | N-term +42.01 Da, K +28.03 Da, | 2705.581787 | 3 | 906.4299927 | 905.767861  |
| ADEEKLPPGWEKR              | Q9QUR7 | 0          | N-term +42.01 Da, K +28.03 Da, | 2706.151123 | 3 | 551.960022  | 551.6262697 |
| ADTPSVYETR                 | Q5XG73 | 0.01018519 | N-term +42.01 Da,              | 2706.226563 | 2 | 590.7772217 | 590.7776712 |
| AMNYSAKDEVDDGGPAGPPGGAAKTR | Q8VEK0 | 0          | N-term +42.01 Da, K +28.03 Da, | 2707.93335  | 3 | 839.0800171 | 839.0797098 |
| ASSAQSSGSSGGPAVPTVQR       | Q78PY7 | 0          | N-term +42.01 Da,              | 2708.334229 | 2 | 936.4500122 | 936.9559484 |
| MNYSAKDEVDDGGPAGPPGGAAKTR  | Q8VEK0 | 0.00150376 | N-term +42.01 Da, K +28.03 Da, | 2709.460938 | 3 | 815.4000244 | 815.4006718 |
| ATIGPSGLHPGER              | Q3TRM8 | 0          | N-term +42.01 Da,              | 2710.840332 | 2 | 667.3456421 | 667.3465864 |
| AESCEALGTVPEHER            | Q8R313 | 0          | N-term +42.01 Da, C +57.02Da,  | 2713.72583  | 2 | 864.3900146 | 863.8886881 |
| MEKTELIQK                  | P68254 | 0.00380771 | N-term +42.01 Da, K +28.03 Da, | 2715.036621 | 2 | 609.3445435 | 609.3441348 |

|                          |        |            |   |             |   |             |             |
|--------------------------|--------|------------|---|-------------|---|-------------|-------------|
| SALLEQKEQQR              | Q5SUE8 | 0          | N-term +42.01 Da, K +28.03 Da,            | 2722.77417  | 2 | 764.9038696 | 764.9019237 |
| METMASPGKDNYR            | O35345 | 0          | N-term +42.01 Da, K +28.03 Da,            | 2725.851074 | 2 | 785.3599854 | 785.3554373 |
| SADAAAGEPLPR             | P70441 | 0          | N-term +42.01 Da,                         | 2726.001953 | 2 | 598.7982788 | 598.7989377 |
| AGEGLGQQGASATAAPETR      | Q9CZE3 | 0          | N-term +42.01 Da,                         | 2726.483398 | 2 | 907.4400024 | 907.4373913 |
| ALDPAEQHLLR              | Q9CPZ8 | 0          | N-term +42.01 Da,                         | 2728.297852 | 2 | 596.3094482 | 596.3094722 |
| ATSASSHLNKGKIQMY         | P15105 | 0          | N-term +42.01 Da, K +28.03 Da,            | 2729.868164 | 3 | 611.9880371 | 611.9891024 |
| SQAEFDKAAEEVKR           | P31786 | 0          | N-term +42.01 Da, K +28.03 Da,            | 2732.282471 | 3 | 569.2999878 | 569.2967011 |
| ATSASSHLNKGKIQMY         | P15105 | 0.01061865 | N-term +42.01 Da, K +28.03 Da,            | 2732.76123  | 2 | 917.4799805 | 917.4800154 |
| ADKEAAFDDAVEER           | Q60972 | 0          | N-term +42.01 Da, K +28.03 Da,            | 2732.841309 | 2 | 818.8800049 | 818.3784791 |
| AALGEPVR                 | _sp Q6 | 0.00381316 | N-term +42.01 Da,                         | 2736.952881 | 2 | 427.7406616 | 427.7401619 |
| ATKCTKCGPGYSTPLEAMKGR    | P17563 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 2739.797607 | 4 | 635.3200073 | 634.8234722 |
| MNGGGKAEKENTPSEANLQEEVVR | Q9WVBO | 0          | N-term +42.01 Da, K +28.03 Da,            | 2740.299805 | 3 | 906.4299927 | 905.767861  |
| AQDGVELEKSVR             | Q8CAK3 | 0          | N-term +42.01 Da, K +28.03 Da,            | 2741.481201 | 2 | 700.8699951 | 700.8726345 |
| MDGEDDSNLVIKKR           | Q91WE2 | 0.01700224 | N-term +42.01 Da, K +28.03 Da,            | 2742.197266 | 3 | 573.2999878 | 573.2978247 |
| AEVEETLKR                | P62627 | 0.00056433 | N-term +42.01 Da, K +28.03 Da,            | 2744.890869 | 2 | 572.8099976 | 572.8140563 |
| ATGANATPLDFPSKRR         | Q64213 | 0          | N-term +42.01 Da, K +28.03 Da,            | 2745.46582  | 2 | 886.9899902 | 886.4886975 |
| ATGANATPLDFPSKRR         | Q64213 | 0          | N-term +42.01 Da, K +28.03 Da,            | 2748.416016 | 2 | 886.4899902 | 886.4886975 |
| MNSVGEACTDMKR            | Q9D8Z2 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 2749.443848 | 2 | 784.8499756 | 784.8469222 |
| TMTLGDIVYKR              | P12710 | 0.00054201 | N-term +42.01 Da, K +28.03 Da,            | 2753.691162 | 3 | 456.9200134 | 456.2514861 |
| SADAAAGEPLPR             | P70441 | 0          | N-term +42.01 Da,                         | 2757.027832 | 2 | 598.798584  | 598.7989377 |
| AAELMQQKEATTEQQLR        | O35490 | 0          | N-term +42.01 Da, K +28.03 Da,            | 2757.975098 | 2 | 1024.01001  | 1023.020234 |
| ATSASSHLNKGKIQMY         | P15105 | 0.00104603 | N-term +42.01 Da, K +28.03 Da,            | 2760.38916  | 3 | 611.9893799 | 611.9891024 |
| ASSKVTLSVLSR             | Q9D711 | 0.00152517 | N-term +42.01 Da, K +28.03 Da,            | 2762.213379 | 3 | 491.9712219 | 491.9714884 |
| MHATGLAAPAGTPR           | Q9CX30 | 0          | N-term +42.01 Da,                         | 2762.515137 | 2 | 696.3599854 | 696.8562638 |
| SQAEFDKAAEEVKR           | P31786 | 0          | N-term +42.01 Da, K +28.03 Da,            | 2763.410156 | 3 | 569.6300049 | 569.2967011 |
| ALDPAEQHLLR              | Q9CPZ8 | 0.00151745 | N-term +42.01 Da,                         | 2766.371582 | 2 | 596.3099976 | 596.3094722 |
| QKEATTEQQLR              | O35490 | 0.01329665 | N-term +42.01 Da, K +28.03 Da,            | 2766.752686 | 2 | 701.8599854 | 701.370259  |
| MREIVHLQAGQCGN           | P68372 | 0.00746269 | N-term +42.01 Da, C +57.02Da,             | 2774.052246 | 2 | 827.8900146 | 827.8930524 |
| AEVEETLKR                | P62627 | 0.00056433 | N-term +42.01 Da, K +28.03 Da,            | 2776.566406 | 2 | 572.8136597 | 572.8140563 |
| AHYHDNYGKNDEVEFVR        | P25688 | 0.00054348 | N-term +42.01 Da, K +28.03 Da,            | 2780.198486 | 4 | 542         | 541.502712  |
| MEMTSTSLKR               | Q91VU7 | 0          | N-term +42.01 Da, K +28.03 Da,            | 2781.748291 | 2 | 627.3099976 | 627.3150516 |
| ANSANTNTVPKLYR           | Q99PM3 | 0          | N-term +42.01 Da, K +28.03 Da,            | 2787.289795 | 2 | 809.9299927 | 809.9310153 |
| AGKPVLYFDGR              | P30115 | 0.00380409 | N-term +42.01 Da, K +28.03 Da,            | 2787.759033 | 3 | 477.2600098 | 477.2577398 |
| AQDGVELEKSVR             | Q8CAK3 | 0          | N-term +42.01 Da, K +28.03 Da,            | 2788.584229 | 2 | 700.8699951 | 700.8726345 |
| SADAAAGEPLPR             | P70441 | 0.00056948 | N-term +42.01 Da,                         | 2789.121826 | 2 | 599.3110962 | 598.7989377 |
| AALTDVQR                 | Q9Z0Y1 | 0.00703235 | N-term +42.01 Da,                         | 2789.197266 | 2 | 458.25      | 458.2483515 |
| ASGADSKGDDLSTAILKQKNR    | Q01853 | 0.00056625 | N-term +42.01 Da, K +28.03 Da,            | 2794.371826 | 4 | 576.3200073 | 576.0656768 |
| MQVLTKR                  | Q62264 | 0.01356852 | N-term +42.01 Da, K +28.03 Da,            | 2803.097412 | 2 | 473.7799988 | 473.2811395 |
| MQVLTKR                  | Q62264 | 0.01356852 | N-term +42.01 Da, K +28.03 Da,            | 2809.057373 | 2 | 473.2808533 | 473.2811395 |
| ATDELASKLSR              | Q9D8Y0 | 0          | N-term +42.01 Da, K +28.03 Da,            | 2809.132813 | 2 | 630.8440552 | 630.8433454 |

|                         |        |            |                                |             |   |             |             |
|-------------------------|--------|------------|--------------------------------|-------------|---|-------------|-------------|
| DEVGGEALGR              | P02088 | 0.01570211 | N-term +42.01 Da,              | 2817.892578 | 2 | 523.25      | 522.751456  |
| MKVFTVGLPLPAEGR         | Q91Z53 | 0          | N-term +42.01 Da, K +28.03 Da, | 2821.359131 | 3 | 525.2999878 | 524.6253236 |
| AAETVELH                | Q9D1J3 | 0.04107293 | N-term +42.01 Da,              | 2823.079834 | 2 | 456.230011  | 456.2270849 |
| MMAAAAER                | Q9DCS2 | 0.00055556 | N-term +42.01 Da,              | 2823.172607 | 2 | 446.7041626 | 446.7044076 |
| SQAEFDKAAEEVKR          | P31786 | 0          | N-term +42.01 Da, K +28.03 Da, | 2829.225586 | 2 | 853.4400024 | 853.4414133 |
| SQAEFDKAAEEVKR          | P31786 | 0          | N-term +42.01 Da, K +28.03 Da, | 2830.521729 | 3 | 569.2999878 | 569.2967011 |
| SEAAPAAPAAAPPAEKAPA     | P15864 | 0.00195313 | N-term +42.01 Da, K +28.03 Da, | 2837.13501  | 2 | 880.4500122 | 879.4570634 |
| MEESGFR                 | Q3V4B5 | 0.01102941 | N-term +42.01 Da,              | 2840.130127 | 2 | 449.6900024 | 449.1921877 |
| MEKTELIQKAKLAEQAER      | P68254 | 0          | N-term +42.01 Da, K +28.03 Da, | 2854.790527 | 2 | 1122.609985 | 1121.627409 |
| TASSVLLHTGQK            | Q9JII6 | 0.00054526 | N-term +42.01 Da, K +28.03 Da, | 2855.819336 | 2 | 656.3599854 | 656.3669875 |
| KLVSESSDVVSK            | P11679 | 0.00152284 | N-term +42.01 Da, K +28.03 Da, | 2856.045898 | 2 | 689.3800049 | 688.3875861 |
| MVPSQEPPAAER            | Q3U9N9 | 0          | N-term +42.01 Da,              | 2857.701416 | 2 | 693.3216553 | 693.3219203 |
| AECCVPVCPR              | QE0930 | 0.00056117 | N-term +42.01 Da, C +57.02Da,  | 2860.402588 | 2 | 645.274292  | 645.2754034 |
| LQRMQETDEQRARR          | Q6PD05 | 0.02367383 | N-term +42.01 Da,              | 2861.605957 | 2 | 930.4699707 | 929.9686693 |
| SQAEFDKAAEEVKR          | P31786 | 0          | N-term +42.01 Da, K +28.03 Da, | 2875.812988 | 2 | 853.4400024 | 853.4414133 |
| SQAEFDKAAEEVKR          | P31786 | 0          | N-term +42.01 Da, K +28.03 Da, | 2878.23877  | 3 | 569.2964478 | 569.2967011 |
| SDNGELEDKPPAPPVR        | Q8CIN4 | 0          | N-term +42.01 Da, K +28.03 Da, | 2888.678711 | 2 | 896.4400024 | 895.9496029 |
| GAGGALFVHR              | Q9D6J6 | 0.00700607 | N-term +42.01 Da,              | 2888.92749  | 2 | 513.2700195 | 513.7776101 |
| SQAEFDKAAEEVKR          | P31786 | 0          | N-term +42.01 Da, K +28.03 Da, | 2909.297607 | 3 | 569.289978  | 569.2967011 |
| AQNLKDLAGR              | Q35129 | 0          | N-term +42.01 Da, K +28.03 Da, | 2913.14502  | 2 | 578.3269043 | 578.3276648 |
| SDAAVDTSSSEITTK         | P26350 | 0          | N-term +42.01 Da, K +28.03 Da, | 2914.480469 | 2 | 747.8599854 | 747.8621306 |
| SESPVGPKPPTMLR          | Q5SSZ5 | 0.02686308 | N-term +42.01 Da, K +28.03 Da, | 2915.678955 | 2 | 734.9000244 | 734.895055  |
| SDNGELEDKPPAPPVR        | Q8CIN4 | 0.00147565 | N-term +42.01 Da, K +28.03 Da, | 2920.106934 | 2 | 896.9400024 | 895.9496029 |
| AFKDTGKTPVEPEVAIHR      | P60867 | 0          | N-term +42.01 Da, K +28.03 Da, | 2926.445068 | 3 | 698.3877563 | 698.3845097 |
| SSTQFNKGPSYGLSAEVKNR    | Q08093 | 0          | N-term +42.01 Da, K +28.03 Da, | 2927.506836 | 3 | 756.7299805 | 756.7254838 |
| AFKDTGKTPVEPEVAIHR      | P60867 | 0          | N-term +42.01 Da, K +28.03 Da, | 2933.672607 | 2 | 1047.569946 | 1047.073126 |
| ALSDADVQKQIK            | P50518 | 0          | N-term +42.01 Da, K +28.03 Da, | 2936.347168 | 2 | 707.399353  | 707.4010277 |
| ATEGMILTNDHQIR          | Q8BUV3 | 0          | N-term +42.01 Da,              | 2937.501221 | 3 | 593.289978  | 593.293185  |
| ATPEASGSGEKVEGSEPSVTYYR | Q9CQX2 | 0          | N-term +42.01 Da, K +28.03 Da, | 2939.389893 | 2 | 1236.579956 | 1236.082273 |
| SQAEFDKAAEEVKR          | P31786 | 0          | N-term +42.01 Da, K +28.03 Da, | 2939.940918 | 3 | 569.289978  | 569.2967011 |
| ATEGMILTNDHQIR          | Q8BUV3 | 0          | N-term +42.01 Da,              | 2941.297363 | 2 | 889.4400024 | 889.4361392 |
| AFKDTGKTPVEPEVAIHR      | P60867 | 0          | N-term +42.01 Da, K +28.03 Da, | 2942.215332 | 2 | 1048.069946 | 1047.073126 |
| MRGQVGDLSPPQQEALAR      | Q8R0F9 | 0.01019935 | N-term +42.01 Da,              | 2946.481934 | 3 | 676.3400269 | 676.0093372 |
| ATPEASGSGEKVEGSEPSVTYYR | Q9CQX2 | 0          | N-term +42.01 Da, K +28.03 Da, | 2947.091064 | 2 | 1236.079956 | 1236.082273 |
| GCRDVELSLSPGR           | F6T2U3 | 0.02892919 | N-term +42.01 Da, C +57.02Da,  | 2958.151367 | 2 | 745.3800049 | 744.3671934 |
| SQAEFDKAAEEVKR          | P31786 | 0          | N-term +42.01 Da, K +28.03 Da, | 2959.006104 | 2 | 853.4408569 | 853.4414133 |
| AGKPVLYHFNAR            | P10648 | 0          | N-term +42.01 Da, K +28.03 Da, | 2963.948486 | 3 | 481.6000061 | 481.6016179 |
| SQAEFDKAAEEVKR          | P31786 | 0          | N-term +42.01 Da, K +28.03 Da, | 2970.527588 | 3 | 569.2960815 | 569.2967011 |
| SLLNKPKSEMTPEELQKR      | P62317 | 0          | N-term +42.01 Da, K +28.03 Da, | 2977.206299 | 4 | 564.5700073 | 564.3173428 |
| AAASGYTDLR              | Q3TSG4 | 0          | N-term +42.01 Da,              | 2980.800781 | 2 | 533.7600098 | 533.7618236 |

|                                |        |            |   |             |   |             |             |
|--------------------------------|--------|------------|---|-------------|---|-------------|-------------|
| SLLNKPKSEMTPPELQKR             | P62317 | 0          | N-term +42.01 Da, K +28.03 Da,            | 2987.728271 | 3 | 752.75      | 752.0873649 |
| SQAEFDKAAEEVKR                 | P31786 | 0          | N-term +42.01 Da, K +28.03 Da,            | 2989.900391 | 2 | 853.4396362 | 853.4414133 |
| LMQQKEATTEQQLR                 | O35490 | 0.01370489 | N-term +42.01 Da, K +28.03 Da,            | 2999.035645 | 2 | 888.460022  | 887.4618228 |
| NCLSGQAEFDKAAEEVKR             | F6WUQ1 | 0.01330275 | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 2999.262207 | 3 | 717.3699951 | 717.3564029 |
| SQAEFDKAAEEVKR                 | P31786 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3001.08667  | 3 | 569.2964478 | 569.2967011 |
| AEYDLTTR                       | P60229 | 0.00153296 | N-term +42.01 Da,                         | 3001.388428 | 2 | 505.7429199 | 505.7430995 |
| AGKPVLYHFDGR                   | P30115 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3007.204346 | 3 | 477.2600098 | 477.2577398 |
| AGKPVLYHFDGR                   | P30115 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3014.699463 | 2 | 715.3800049 | 715.3829715 |
| SLSNKLTLDKLDVKGKR              | P09411 | 0.01362398 | N-term +42.01 Da, K +28.03 Da,            | 3016.550537 | 3 | 690.4299927 | 690.4279382 |
| AQNPSNMEPLR                    | Q91W19 | 0          | N-term +42.01 Da,                         | 3016.701416 | 2 | 649.8118286 | 649.8115222 |
| SVKEADNIREMLMAR                | Q9CWM4 | 0.04103853 | N-term +42.01 Da, K +28.03 Da,            | 3017.967773 | 3 | 654.3300171 | 654.6642904 |
| SQAEFDKAAEEVKR                 | P31786 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3020.586426 | 2 | 853.4405518 | 853.4414133 |
| ISKQEYDESGPSIVHR               | P60710 | 0.03105062 | N-term +42.01 Da, K +28.03 Da,            | 3031.15918  | 3 | 639.3300171 | 638.9900485 |
| SQAEFDKAAEEVKR                 | P31786 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3031.744141 | 3 | 569.2963867 | 569.2967011 |
| ATEEAHR                        | Q9EQK5 | 0.01367366 | N-term +42.01 Da,                         | 3034.158936 | 2 | 472.7562561 | 472.7560095 |
| ASSEQAEQPNQPPSGSENVVPR         | Q9R0A0 | 0          | N-term +42.01 Da,                         | 3036.667725 | 2 | 1268.089966 | 1267.591328 |
| ATDMSQGELIHPK                  | Q3TEA8 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3037.64624  | 2 | 749.3699951 | 748.87432   |
| ASSEQAEQPNQPPSGSENVVPR         | Q9R0A0 | 0          | N-term +42.01 Da,                         | 3037.949219 | 3 | 845.4000244 | 845.3966442 |
| AGKPVLYHFDGR                   | P30115 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3038.498047 | 3 | 477.2575378 | 477.2577398 |
| AGKPVLYHFDGR                   | P30115 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3046.177246 | 2 | 715.3832397 | 715.3829715 |
| AQNPSNMEPLR                    | Q91W19 | 0          | N-term +42.01 Da,                         | 3047.296631 | 2 | 649.8104248 | 649.8115222 |
| AGVGAADR                       | Q5F285 | 0.00151822 | N-term +42.01 Da,                         | 3049.813477 | 2 | 395.7099915 | 395.7139468 |
| AFKDTGKTPVEPEVAIHR             | P60867 | 0.01354402 | N-term +42.01 Da, K +28.03 Da,            | 3049.888916 | 4 | 524.039978  | 524.0402014 |
| TSPEGAQNKEIDCLSPEAQR           | Q3UZ39 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 3056.556152 | 2 | 1150.550049 | 1150.544803 |
| AAAAAAGPEMVR                   | P63085 | 0          | N-term +42.01 Da,                         | 3059.763428 | 2 | 578.789978  | 578.7926006 |
| SSGALLPKPQMR                   | Q9CPQ1 | 0.03103741 | N-term +42.01 Da, K +28.03 Da,            | 3061.407959 | 2 | 677.8788452 | 677.8792074 |
| SQAEFDKAAEEVKR                 | P31786 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3062.381104 | 3 | 569.2966919 | 569.2967011 |
| SEKSVEAAAELSAK                 | Q9D0J8 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3064.28418  | 2 | 759.4099731 | 759.4065077 |
| AGKPVLYHFDGR                   | P30115 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3068.747314 | 3 | 477.2575989 | 477.2577398 |
| MNQEKLAKLQAQVR                 | Q64152 | 0.00053248 | N-term +42.01 Da, K +28.03 Da,            | 3070.702637 | 3 | 585.6699829 | 585.6697038 |
| MKKVESVLR                      | Q91XQ0 | 0.00836043 | N-term +42.01 Da, K +28.03 Da,            | 3072.359863 | 2 | 594.8599854 | 594.3626614 |
| MQPKVPQLR                      | Q88908 | 0.00148515 | N-term +42.01 Da, K +28.03 Da,            | 3073.17627  | 2 | 583.8396606 | 583.8393533 |
| IDAGTEFGPGTAYGNALIK            | Q9JK48 | 0.04255319 | N-term +42.01 Da, K +28.03 Da,            | 3074.996094 | 2 | 983.5100098 | 983.0018356 |
| ATPEASGSGEKVEGSEPSVTYYR        | Q9CQX2 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3075.480225 | 2 | 1236.579956 | 1236.082273 |
| AAAATMAAAR                     | Q8C754 | 0          | N-term +42.01 Da,                         | 3076.382813 | 2 | 509.2600098 | 509.2609359 |
| ATPEASGSGEKVEGSEPSVTYYR        | Q9CQX2 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3077.343994 | 2 | 1236.079956 | 1236.082273 |
| CKTTFYLFVMMR                   | E9Q8T0 | 0.01831175 | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 3084.433105 | 2 | 847.4299927 | 846.4416491 |
| ATPEASGSGEKVEGSEPSVTYYR        | Q9CQX2 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3085.622314 | 3 | 824.7199707 | 824.3906075 |
| GAVTDDEVIR                     | Q7TMY4 | 0.00521327 | N-term +42.01 Da,                         | 3086.670898 | 2 | 558.7800293 | 558.7802137 |
| ATDISSESSGADCKGDTKNSAKLDADYPLR | Q9CQJ6 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 3088.155029 | 3 | 1071.849976 | 1071.185633 |

|                               |        |            |   |             |   |             |             |
|-------------------------------|--------|------------|---|-------------|---|-------------|-------------|
| ATDISESSGADCKGDTKNSAKLDADYPLR | Q9CQJ6 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 3088.343018 | 4 | 804.1400146 | 803.6410441 |
| AAAAAAGPEMVR                  | P63085 | 0          | N-term +42.01 Da,                         | 3090.642822 | 2 | 578.7947998 | 578.7926006 |
| MDATLTAR                      | Q8BGQ7 | 0.00155763 | N-term +42.01 Da,                         | 3091.000732 | 2 | 460.730011  | 460.7289373 |
| SSGALLPKPQMR                  | Q9CPQ1 | 0.01193756 | N-term +42.01 Da, K +28.03 Da,            | 3092.05249  | 2 | 677.8787231 | 677.8792074 |
| SQAEFDKAAEEVKR                | P31786 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3093.319092 | 3 | 569.2966309 | 569.2967011 |
| AAAGSAAVSGAGTPVAGPTGR         | Q9Z266 | 0          | N-term +42.01 Da,                         | 3095.755371 | 2 | 884.4526367 | 884.4528439 |
| AASKVKQDMPPPGGYGPIDYKR        | Q9ERS2 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3099.357422 | 4 | 626.0900269 | 626.0859833 |
| MNQEKLAKLQAQVR                | Q64152 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3099.513672 | 2 | 878.5       | 878.0009175 |
| SDKPDMAEIEKFDKSK              | P20065 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3100.073242 | 4 | 506.519989  | 506.2670528 |
| MNQEKLAKLQAQVR                | Q64152 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3101.804932 | 3 | 585.6689453 | 585.6697038 |
| MQDILTPNQNR                   | D3YTY2 | 0.02085182 | N-term +42.01 Da,                         | 3107.216309 | 2 | 735.3800049 | 734.8642864 |
| ATPEASGSGEKVEGSEPSVTYYR       | Q9CQX2 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3108.103271 | 2 | 1236.082031 | 1236.082273 |
| AGKPVLYHFDGR                  | P30115 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3111.718018 | 3 | 477.2600098 | 477.2577398 |
| ATPEASGSGEKVEGSEPSVTYYR       | Q9CQX2 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3116.865723 | 3 | 824.3897705 | 824.3906075 |
| TTKDPSEHPSVTLFR               | Q99JW2 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3119.906006 | 2 | 957.9899902 | 957.48381   |
| TTKDPSEHPSVTLFR               | Q99JW2 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3120.556396 | 3 | 638.6582031 | 638.6582988 |
| TTKDPSEHPSVTLFR               | Q99JW2 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3120.974609 | 3 | 638.6578979 | 638.6582988 |
| SQAEFDKAAEEVKR                | P31786 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3123.949707 | 3 | 569.2969971 | 569.2967011 |
| SDKPDMAEIEKFDKSK              | P20065 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3125.201172 | 3 | 674.6877441 | 674.6869783 |
| AGKPVLYHFDGR                  | P30115 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3127.19165  | 2 | 715.3800049 | 715.3829715 |
| AASKVKQDMPPPGGYGPIDYKR        | Q9ERS2 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3131.026611 | 4 | 626.0900269 | 626.0859833 |
| GNVTAGKDGVANVSIEDR            | P08228 | 0.00152594 | N-term +42.01 Da, K +28.03 Da,            | 3131.335205 | 2 | 937.4799805 | 936.4765165 |
| VHQVLYR                       | P52196 | 0.00836431 | N-term +42.01 Da,                         | 3131.497803 | 2 | 479.269989  | 478.7692535 |
| MNQEKLAKLQAQVR                | Q64152 | 0.00155521 | N-term +42.01 Da, K +28.03 Da,            | 3132.01123  | 3 | 586         | 585.6697038 |
| ASGADSKGDDLSTAILKQK           | Q01853 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3132.354004 | 3 | 677.7000122 | 677.7037971 |
| AAAAA AVAGAGR                 | E9QNR6 | 0.02852204 | N-term +42.01 Da,                         | 3132.819092 | 2 | 500.2799988 | 499.7725251 |
| ATPEASGSGEKVEGSEPSVTYYR       | Q9CQX2 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3139.1521   | 2 | 1236.579956 | 1236.082273 |
| ASLVPLKEK                     | P56135 | 0.03014643 | N-term +42.01 Da, K +28.03 Da,            | 3144.039063 | 2 | 541.8400269 | 541.8446274 |
| ATDELASKLSR                   | Q9D8Y0 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3146.623047 | 2 | 630.8427124 | 630.8433454 |
| TTKDPSEHPSVTLFR               | Q99JW2 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3151.297852 | 3 | 638.9899902 | 638.6582988 |
| SQAEFDKAAEEVKR                | P31786 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3154.333008 | 3 | 569.6270142 | 569.2967011 |
| AKNGSEADIDESLYSR              | Q02053 | 0.04641525 | N-term +42.01 Da, K +28.03 Da,            | 3154.718994 | 2 | 913.4238281 | 912.9341504 |
| ASGADSKGDDLSTAILKQK           | Q01853 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3160.561035 | 2 | 1016.559998 | 1016.052057 |
| AASKVKQDMPPPGGYGPIDYKR        | Q9ERS2 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3161.859619 | 4 | 626.3400269 | 626.0859833 |
| ASGADSKGDDLSTAILKQK           | Q01853 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3163.134766 | 3 | 677.7034912 | 677.7037971 |
| AGKPVLYHFDGR                  | P30115 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3163.6604   | 3 | 477.2571716 | 477.2577398 |
| ASGADSKGDDLSTAILKQK           | Q01853 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3164.206787 | 2 | 1017.049988 | 1016.052057 |
| ADKEAAFDDAVEER                | Q60972 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3165.256348 | 2 | 818.3800049 | 818.3784791 |
| DHWQQFYFLSKR                  | Q80UW2 | 0.01568803 | N-term +42.01 Da, K +28.03 Da,            | 3165.569092 | 2 | 863.4400024 | 862.9308177 |
| MESAI AEGGASR                 | Q62448 | 0          | N-term +42.01 Da,                         | 3169.981934 | 2 | 610.7821045 | 610.7824306 |

|                        |        |            |   |             |   |             |             |
|------------------------|--------|------------|---|-------------|---|-------------|-------------|
| AATLSVEPTGR            | Q8BWN8 | 0          | N-term +42.01 Da,                         | 3172.472168 | 2 | 572.3033447 | 572.3038557 |
| FDQLLAEEKAAVLRAVEDR    | Q6URW6 | 0.03116994 | N-term +42.01 Da, K +28.03 Da,            | 3172.96167  | 4 | 561.5599976 | 561.556216  |
| AGKPVLYHFDGR           | P30115 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3174.344482 | 2 | 715.3838501 | 715.3829715 |
| AGLNSLEAVKR            | Q6IRU2 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3178.279785 | 2 | 614.3599854 | 614.3564224 |
| SSIKVECVLR             | Q64374 | 0.03096774 | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 3181.156006 | 2 | 630.8509521 | 630.8526583 |
| SHPSWLPKSTGEPLGHVPAR   | Q8BFW7 | 0.00154639 | N-term +42.01 Da, K +28.03 Da,            | 3182.19043  | 4 | 581.0599976 | 580.810379  |
| AAAAYEHLKLH            | Q9EP69 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3182.514648 | 3 | 431.9035034 | 431.9031854 |
| LPAEFDKAAEEVKR         | Q4VWZ5 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3185.199951 | 3 | 567.3041382 | 567.6454414 |
| AKNGSEADIDESLYSR       | Q02053 | 0.00054825 | N-term +42.01 Da, K +28.03 Da,            | 3185.754883 | 2 | 913.9299927 | 912.9341504 |
| AEDIKTKIKNYKTAPFDSR    | P56391 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3186.887207 | 4 | 595.8400269 | 595.5875161 |
| SSGNAKIGYPAPNFK        | P35700 | 0.00152983 | N-term +42.01 Da, K +28.03 Da,            | 3187.038086 | 2 | 824.9400024 | 824.9383088 |
| ENIIDLSNANR            | B5X0G2 | 0.01017576 | N-term +42.01 Da,                         | 3188.554199 | 2 | 650.3300171 | 650.8282269 |
| MQPASAKWYDR            | Q9R0Q7 | 0.00055279 | N-term +42.01 Da, K +28.03 Da,            | 3189.943604 | 2 | 712.3599854 | 711.8453648 |
| ALKNVPR                | Q60787 | 0.01059908 | N-term +42.01 Da, K +28.03 Da,            | 3190.174316 | 2 | 507.8061829 | 507.8083787 |
| MNDTVTIR               | P62849 | 0.00054466 | N-term +42.01 Da,                         | 3191.720703 | 2 | 496.2457275 | 496.2474944 |
| AEDIKTKIKNYKTAPFDSR    | P56391 | 0.03291139 | N-term +42.01 Da, K +28.03 Da,            | 3191.871582 | 3 | 794.1099854 | 793.7809293 |
| CPLRPWALTFSYGR         | P05063 | 0.00149701 | N-term +42.01 Da, C +57.02Da,             | 3194.147461 | 2 | 932.4799805 | 931.9721598 |
| AGKPVLYHFDGR           | P30115 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3194.632568 | 3 | 477.256958  | 477.2577398 |
| MQPASAKWYDR            | Q9R0Q7 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3194.88208  | 2 | 711.8400269 | 711.8453648 |
| ASGADSKGDDLSTAILKQK    | Q01853 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3196.44873  | 3 | 678.039978  | 677.7037971 |
| ADKEAAFDDAVEER         | Q60972 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3196.606689 | 2 | 818.3800049 | 818.3784791 |
| TSGMALAEQAR            | Q8QZY2 | 0          | N-term +42.01 Da,                         | 3197.410889 | 2 | 588.789978  | 588.7875156 |
| SEKSVEAAAELSAKDLKEKK   | Q9D0J8 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3197.723877 | 4 | 586.8400269 | 586.5899904 |
| SSKPKSLEIIGAPFSKGQPR   | Q61176 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3202.639648 | 4 | 564.0800171 | 564.0795923 |
| SSGALLPKPQ             | Q9CPQ1 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3203.952148 | 2 | 534.30896   | 534.3084092 |
| AGKPVLYHFDGR           | P30115 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3205.18335  | 2 | 715.381897  | 715.3829715 |
| ASGVQVADEVCR           | Q9R0P5 | 0          | N-term +42.01 Da, C +57.02Da,             | 3205.491455 | 2 | 666.8099976 | 666.8142622 |
| AGLNSLEAVKR            | Q6IRU2 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3209.55957  | 2 | 614.3555298 | 614.3564224 |
| SGEVPPNINIKEPR         | Q99JR1 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3213.565186 | 2 | 810.4400024 | 810.4412158 |
| AHTRLESR               | E9Q8I9 | 0.02204586 | N-term +42.01 Da,                         | 3215.189453 | 2 | 506.2799988 | 506.2701496 |
| AEDIKTKIKNYKTAPFDSR    | P56391 | 0.01060396 | N-term +42.01 Da, K +28.03 Da,            | 3218.460449 | 4 | 595.5900269 | 595.5875161 |
| SEPELKLVAR             | P08030 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3221.550293 | 2 | 606.8499756 | 606.3533484 |
| SQGDSNPAAIHPAAEDIQGDDR | Q61206 | 0          | N-term +42.01 Da,                         | 3221.794434 | 2 | 1154.02002  | 1153.517631 |
| SDKPDMAEIEKFDKSKLK     | P20065 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3222.979248 | 4 | 573.5700073 | 573.5696348 |
| SHPSWLPKSTGEPLGHVPAR   | Q8BFW7 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3225.198242 | 4 | 580.8099976 | 580.810379  |
| AGKPVLYHFDGR           | P30115 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3225.54126  | 3 | 477.9299927 | 477.2577398 |
| AAPSEPAGFPR            | P56213 | 0          | N-term +42.01 Da,                         | 3225.959717 | 2 | 571.28479   | 571.2854656 |
| SDKPDMAEIEKFDKSKLK     | P20065 | 0.00150075 | N-term +42.01 Da, K +28.03 Da,            | 3226.261475 | 3 | 764.4199829 | 764.4237542 |
| ASGADSKGDDLSTAILKQK    | Q01853 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3227.237793 | 3 | 678.039978  | 677.7037971 |
| SQGDSNPAAIHPAAEDIQGDDR | Q61206 | 0          | N-term +42.01 Da,                         | 3230.946777 | 2 | 1154.52002  | 1153.517631 |

|                                  |        |            |                                |             |   |             |             |
|----------------------------------|--------|------------|--------------------------------|-------------|---|-------------|-------------|
| AVAAAAVAAPAGGGGAR                | Q99L88 | 0.00155844 | N-term +42.01 Da,              | 3231.022217 | 2 | 690.3699951 | 690.3731355 |
| SSKPKSLEIIGAPFSKGQPR             | Q61176 | 0          | N-term +42.01 Da, K +28.03 Da, | 3234.304199 | 4 | 564.3300171 | 564.0795923 |
| AKTEEMVQTEEMETPR                 | Q60739 | 0          | N-term +42.01 Da, K +28.03 Da, | 3234.456299 | 2 | 989.9594116 | 989.9584538 |
| AGKPVLYHFDGR                     | P30115 | 0          | N-term +42.01 Da, K +28.03 Da, | 3235.600098 | 2 | 715.381958  | 715.3829715 |
| ASGVQVADEVCR                     | Q9R0P5 | 0          | N-term +42.01 Da, C +57.02Da,  | 3236.906494 | 2 | 666.8099976 | 666.8142622 |
| ASASAASTLSEPPR                   | E9PVP0 | 0          | N-term +42.01 Da,              | 3238.238281 | 2 | 729.3607178 | 729.365174  |
| MDKNELVQKAKLAEQAER               | P63101 | 0          | N-term +42.01 Da, K +28.03 Da, | 3238.313721 | 4 | 558.0499878 | 557.55833   |
| AKTEEMVQTEEMETPR                 | Q60739 | 0          | N-term +42.01 Da, K +28.03 Da, | 3238.4646   | 3 | 660.307312  | 660.3080614 |
| SSKPKSLEIIGAPFSKGQPR             | Q61176 | 0.00104167 | N-term +42.01 Da, K +28.03 Da, | 3238.770264 | 3 | 752.0999756 | 751.7703643 |
| RQYSDAPPLTDGKDR                  | Q9CR21 | 0          | N-term +42.01 Da, K +28.03 Da, | 3238.923828 | 3 | 672.0200195 | 672.3567313 |
| AGLNSLEAVKR                      | Q6IRU2 | 0.00055188 | N-term +42.01 Da, K +28.03 Da, | 3241.136719 | 2 | 614.3599854 | 614.3564224 |
| MDDREDLVYQAK                     | P62259 | 0.00147275 | N-term +42.01 Da, K +28.03 Da, | 3243.671387 | 2 | 776.8699951 | 776.869235  |
| AAAAAMAEEQEGAR                   | Q9D1H7 | 0          | N-term +42.01 Da,              | 3243.897705 | 2 | 644.8009033 | 644.8011547 |
| SGEVPPNINIKEPR                   | Q99JR1 | 0          | N-term +42.01 Da, K +28.03 Da, | 3244.899658 | 2 | 810.9400024 | 810.4412158 |
| SEPELKLVAR                       | P08030 | 0          | N-term +42.01 Da, K +28.03 Da, | 3251.963379 | 2 | 606.3530884 | 606.3533484 |
| MEAKGGTVKAASGFNATEDAQTLR         | P97429 | 0          | N-term +42.01 Da, K +28.03 Da, | 3252.537354 | 3 | 851.1099854 | 851.0988816 |
| ATVAATTKVPEIR                    | Q9WTM5 | 0          | N-term +42.01 Da, K +28.03 Da, | 3253.739746 | 2 | 713.9155884 | 713.9168447 |
| SQAEFDKAAEEVKR                   | P31786 | 0          | N-term +42.01 Da, K +28.03 Da, | 3258.318604 | 3 | 569.6300049 | 569.2967011 |
| AVAAAAVAAPAGGGGAR                | Q99L88 | 0.04954583 | N-term +42.01 Da,              | 3259.80542  | 2 | 691.3699951 | 690.3731355 |
| MKETIMNQEKLAKLQAVR               | Q64152 | 0          | N-term +42.01 Da, K +28.03 Da, | 3260.031738 | 4 | 597.3400269 | 597.0893685 |
| MEAKGGTVKAASGFNATEDAQTLR         | P97429 | 0          | N-term +42.01 Da, K +28.03 Da, | 3263.113281 | 2 | 1276.650024 | 1276.144684 |
| SSKPKSLEIIGAPFSKGQPR             | Q61176 | 0          | N-term +42.01 Da, K +28.03 Da, | 3265.125244 | 4 | 564.0800171 | 564.0795923 |
| ASLPPHAGPATPLSPTR                | P21619 | 0          | N-term +42.01 Da,              | 3267.016846 | 2 | 856.960022  | 856.4599399 |
| DERGRERGGDAAQKQTPR               | Q7TMF2 | 0.01831993 | N-term +42.01 Da, K +28.03 Da, | 3269.128418 | 2 | 1048.540039 | 1049.030845 |
| MENQLTKSVEER                     | Q9DC50 | 0          | N-term +42.01 Da, K +28.03 Da, | 3269.4021   | 2 | 767.3800049 | 767.3825095 |
| ARPGESRSNVATETTRHSQR             | Q921U8 | 0.04643449 | N-term +42.01 Da,              | 3272.260498 | 3 | 795.4099731 | 795.0655625 |
| ALSDADVQKQIKHM                   | P50518 | 0          | N-term +42.01 Da, K +28.03 Da, | 3273.281982 | 3 | 561.3029175 | 561.3029097 |
| SGEVPPNINIKEPR                   | Q99JR1 | 0          | N-term +42.01 Da, K +28.03 Da, | 3275.661865 | 2 | 810.4400024 | 810.4412158 |
| GTALVYHEDMTATR                   | Q6P3E7 | 0          | N-term +42.01 Da,              | 3278.222656 | 2 | 803.8800049 | 803.880134  |
| MEAKGGTVKAASGFNATEDAQTLR         | P97429 | 0.00148221 | N-term +42.01 Da, K +28.03 Da, | 3283.49292  | 3 | 851.4299927 | 851.0988816 |
| ATVAATTKVPEIR                    | Q9WTM5 | 0          | N-term +42.01 Da, K +28.03 Da, | 3284.712158 | 2 | 713.9157715 | 713.9168447 |
| SDAAVDTSSSEITTKDLK               | P26350 | 0.00155039 | N-term +42.01 Da, K +28.03 Da, | 3288.402588 | 2 | 940.4799805 | 939.9807666 |
| MDEPSPLAK                        | Q5SWU9 | 0.02239789 | N-term +42.01 Da, K +28.03 Da, | 3294.080322 | 2 | 529.2644043 | 529.265353  |
| AVPPTYADLGKSAR                   | Q60932 | 0          | N-term +42.01 Da, K +28.03 Da, | 3296.510986 | 2 | 758.9099731 | 758.4119267 |
| SEKSVEAAAELSAKDLKEKDKVEEKAGR     | Q9D0J8 | 0          | N-term +42.01 Da, K +28.03 Da, | 3297.910645 | 4 | 854.2399902 | 853.7381813 |
| AAAAASGAGGVAVAGAGGAGPAGR         | E9PU87 | 0          | N-term +42.01 Da,              | 3298.06958  | 2 | 919.4699707 | 918.9691924 |
| TMDKSELVQKAKLAEQAER              | Q9CQV8 | 0          | N-term +42.01 Da, K +28.03 Da, | 3299.476807 | 4 | 576.0667725 | 576.067525  |
| MENQLTKSVEER                     | Q9DC50 | 0          | N-term +42.01 Da, K +28.03 Da, | 3300.339844 | 2 | 767.3818359 | 767.3825095 |
| AAGGDVVKLSTLGGSGGGDGGSPGGAGATAAR | Q80UU9 | 0          | N-term +42.01 Da, K +28.03 Da, | 3300.661133 | 3 | 958.460022  | 958.4551111 |
| TMDKSELVQKAKLAEQAER              | Q9CQV8 | 0          | N-term +42.01 Da, K +28.03 Da, | 3301.90625  | 3 | 767.7556152 | 767.7542745 |



|                               |        |            |   |             |   |             |             |
|-------------------------------|--------|------------|---|-------------|---|-------------|-------------|
| SQAEFDKAAEEVK                 | P31786 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3303.499512 | 2 | 775.4000244 | 775.3908577 |
| SGEVPPNINIKEPR                | Q99JR1 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3306.117676 | 2 | 810.4400024 | 810.4412158 |
| SGLVLGQR                      | Q9DBS5 | 0.01060886 | N-term +42.01 Da,                         | 3308.314941 | 2 | 436.25      | 436.2534365 |
| ADFDTYDDR                     | Q9WUK2 | 0          | N-term +42.01 Da,                         | 3309.574219 | 2 | 580.2299805 | 580.230554  |
| ATCADILR                      | Q8K268 | 0.00147348 | N-term +42.01 Da, C +57.02Da,             | 3311.257324 | 2 | 481.2399902 | 481.2422119 |
| SNLKPDEVHCTGAGTGSPLEEEVR      | Q8VCS2 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 3311.96167  | 3 | 884.7600098 | 884.7571846 |
| ASGADSKGDDLSTAILKQK           | Q01853 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3314.45459  | 3 | 678.039978  | 677.7037971 |
| AGQSDKDVKYYTLEEQKH            | P56395 | 0.01020408 | N-term +42.01 Da, K +28.03 Da,            | 3326.850098 | 4 | 595.5599976 | 595.311415  |
| AVPPTYADLGKSAR                | Q60932 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3327.764648 | 2 | 758.4113159 | 758.4119267 |
| SEKSVEAAAELSAKDLKEKKDKVEEKAGR | Q9D0J8 | 0.0005698  | N-term +42.01 Da, K +28.03 Da,            | 3328.455322 | 4 | 853.7399902 | 853.7381813 |
| SASSLLEQR                     | E9PW90 | 0.00150301 | N-term +42.01 Da,                         | 3332.805664 | 2 | 516.7700195 | 516.7696486 |
| SSIKVECVLR                    | Q64374 | 0.00241313 | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 3336.552246 | 2 | 630.8499756 | 630.8526583 |
| ASLKDLEKWR                    | Q05816 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3336.70752  | 3 | 467.9400024 | 467.6013952 |
| SGEVPPNINIKEPR                | Q99JR1 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3339.654541 | 2 | 810.4400024 | 810.4412158 |
| GTLPKQVKIVEVGPR               | P38060 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3341.25415  | 3 | 573.689209  | 573.6890926 |
| ASLPPHAGPATPLSPTR             | P21619 | 0          | N-term +42.01 Da,                         | 3353.886719 | 2 | 856.960022  | 856.4599399 |
| AVPPTYADLGKSAR                | Q60932 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3357.998291 | 2 | 758.4113159 | 758.4119267 |
| ASSSGNDDLTIPR                 | Q91WV0 | 0          | N-term +42.01 Da,                         | 3358.421631 | 2 | 745.3400269 | 745.3418965 |
| AAQESLHVKTPL                  | Q8VBT2 | 0.0014985  | N-term +42.01 Da, K +28.03 Da,            | 3359.280273 | 2 | 682.3800049 | 682.3826376 |
| AGIAIKLAKDR                   | O08529 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3363.297363 | 3 | 418.6000061 | 418.6028472 |
| SQAEFDKAAEEVKR                | P31786 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3366.005615 | 3 | 569.2999878 | 569.2967011 |
| MNQEKLAKLQAQVR                | Q64152 | 0.00613787 | N-term +42.01 Da, K +28.03 Da,            | 3367.218994 | 3 | 586         | 585.6697038 |
| SSIKVECVLR                    | Q64374 | 0.0015544  | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 3368.029297 | 2 | 630.8518677 | 630.8526583 |
| AWDLKVK                       | Q64339 | 0.02771763 | N-term +42.01 Da, K +28.03 Da,            | 3368.266602 | 2 | 479.2915344 | 479.2920301 |
| AGIAIKLAKDR                   | O08529 | 0.00154083 | N-term +42.01 Da, K +28.03 Da,            | 3370.271973 | 2 | 627.4011841 | 627.4006326 |
| AAVPSAVHLPR                   | Q3UFF7 | 0          | N-term +42.01 Da,                         | 3374.251465 | 2 | 580.3314819 | 580.3327498 |
| MEAKGGTVKAASGFNATEDAQTLR      | P97429 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3374.508789 | 3 | 851.4299927 | 851.0988816 |
| SGEVPPNINIKEPR                | Q99JR1 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3375.135498 | 2 | 810.9400024 | 810.4412158 |
| MLAAGVGGQGER                  | D3YY55 | 0          | N-term +42.01 Da,                         | 3376.581055 | 2 | 594.289978  | 594.2955076 |
| MDKNELVQKAKLAEQAER            | P63101 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3379.428223 | 4 | 557.559082  | 557.55833   |
| MDKNELVQKAKLAEQAER            | P63101 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3380.977295 | 3 | 743.4099731 | 743.0753478 |
| MYTITKGPSKLVQQR               | Q9CQB2 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3383.04834  | 3 | 598.0100098 | 597.6780878 |
| MDKNELVQKAKLAEQAER            | P63101 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3384.595947 | 2 | 1114.109985 | 1114.109383 |
| AVPPTYADLGKSAR                | Q60932 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3388.23584  | 2 | 758.4107666 | 758.4119267 |
| MEKTELIQKAKLAEQAER            | P68254 | 0.00056243 | N-term +42.01 Da, K +28.03 Da,            | 3388.705078 | 3 | 748.7600098 | 748.0873649 |
| MEKTELIQKAKLAEQAER            | P68254 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3389.793457 | 4 | 561.3200073 | 561.3173428 |
| MDKNELVQKAKLAEQAER            | P63101 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3389.878662 | 2 | 1115.109985 | 1114.109383 |
| SSIKVECVLR                    | Q64374 | 0.00056689 | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 3398.691406 | 2 | 630.8527222 | 630.8526583 |
| MEKTELIQKAKLAEQAER            | P68254 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3399.359131 | 2 | 1121.630005 | 1121.627409 |
| ALETVPKDLR                    | P63271 | 0.00055066 | N-term +42.01 Da, K +28.03 Da,            | 3403.470947 | 2 | 606.3499756 | 606.3533484 |

|                               |        |            |   |             |   |             |             |
|-------------------------------|--------|------------|---|-------------|---|-------------|-------------|
| AHGSVKSEDYAFPTYADR            | P19783 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3406.590332 | 3 | 728.6799927 | 728.3516463 |
| SDAAVDTSEITTKDLKEKKEVVEEAENGR | P26350 | 0.01398286 | N-term +42.01 Da, K +28.03 Da,            | 3406.681641 | 4 | 859.4400024 | 858.9452577 |
| SGEVPPNINIKEPR                | Q99JR1 | 0.01371742 | N-term +42.01 Da, K +28.03 Da,            | 3409.30957  | 2 | 810.4400024 | 810.4412158 |
| AAAAATAAAAAAPSGGGGGGEEER      | D3Z7U4 | 0          | N-term +42.01 Da,                         | 3409.580811 | 2 | 1006.969971 | 1006.967045 |
| MDKNELVQKAKLAEQAER            | P63101 | 0.00054975 | N-term +42.01 Da, K +28.03 Da,            | 3410.438232 | 4 | 557.5585327 | 557.55833   |
| ALPELSR                       | Q9D939 | 0.02655638 | N-term +42.01 Da,                         | 3411.323242 | 2 | 464.7584839 | 464.758552  |
| TEADVNPAYPLADAH               | Q9D0T1 | 0.01575158 | N-term +42.01 Da, K +28.03 Da,            | 3419.333008 | 2 | 891.9400024 | 891.4388708 |
| AVPPTYADLGKSAR                | Q60932 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3419.807617 | 2 | 758.9099731 | 758.4119267 |
| ASKEMFEDTVEER                 | Q60973 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3420.088135 | 2 | 820.8793335 | 820.8772575 |
| SQAEFDKAAEEVKR                | P31786 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3421.609863 | 3 | 569.289978  | 569.2967011 |
| SSIKVECVLR                    | Q64374 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 3429.38208  | 2 | 630.8526611 | 630.8526583 |
| AAYQVAALPR                    | P52760 | 0.02654482 | N-term +42.01 Da,                         | 3430.841064 | 2 | 550.7999878 | 551.3062007 |
| ASKEMFEDTVEER                 | Q60973 | 0.00381497 | N-term +42.01 Da, K +28.03 Da,            | 3435.102783 | 2 | 820.3900146 | 820.8772575 |
| MNFSGKYQ                      | P12710 | 0.01058445 | N-term +42.01 Da, K +28.03 Da,            | 3435.189941 | 2 | 522.7399902 | 522.7445874 |
| SDAAVDTSEITTKDLKEKKEVVEEAENGR | P26350 | 0.00704225 | N-term +42.01 Da, K +28.03 Da,            | 3437.633789 | 4 | 859.4400024 | 858.9452577 |
| LTPHYLTKQDVER                 | Q9DBG6 | 0.00381862 | N-term +42.01 Da, K +28.03 Da,            | 3440.608154 | 3 | 591.3200073 | 590.9843458 |
| VLSGEDKSNIKAAWGWK             | P01942 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3441.430664 | 3 | 610.3400269 | 610.3437626 |
| AALYGGVEGGGTR                 | Q9QZ08 | 0          | N-term +42.01 Da,                         | 3444.675781 | 2 | 625.8099976 | 625.3122123 |
| SDAAVDTSEITTKDLKEKKEVVEEAENGR | P26350 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3445.841064 | 3 | 1145.25     | 1144.924585 |
| MENQLTKSVEER                  | Q9DC50 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3446.2229   | 2 | 767.8969727 | 767.3825095 |
| VLSGEDKSNIKAAWGWK             | P01942 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3447.258057 | 3 | 611.0100098 | 610.3437626 |
| FRYQEAAGPREALQRLWELCR         | Q5SX15 | 0.03177966 | N-term +42.01 Da, C +57.02Da,             | 3447.495117 | 3 | 897.4699707 | 897.7906046 |
| AVPPTYADLGKSAR                | Q60932 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3450.329346 | 2 | 758.4099731 | 758.4119267 |
| ATSASSHLNKGKQMY               | P15105 | 0.0264987  | N-term +42.01 Da, K +28.03 Da,            | 3452.517334 | 3 | 611.9799805 | 611.9891024 |
| VMEKPSLLVGR                   | P97379 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3452.592773 | 3 | 466.269989  | 465.9391309 |
| MLSVAAR                       | Q9CR68 | 0.03296703 | N-term +42.01 Da,                         | 3453.403564 | 2 | 395.2175598 | 395.2180078 |
| AVPPTYADLGKSAR                | Q60932 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3453.982666 | 2 | 758.9099731 | 758.4119267 |
| AHIFVYGLKLR                   | Q923B0 | 0.00147638 | N-term +42.01 Da, K +28.03 Da,            | 3455.208008 | 3 | 459.269989  | 458.9345969 |
| DLYLSLEDLFFGCTKK              | Q80Y75 | 0.02933563 | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 3455.661377 | 3 | 683.3499756 | 683.0200686 |
| ADKPDMEGIEASFDAK              | Q6ZWY8 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3459.145508 | 3 | 616.9799805 | 616.9852468 |
| MEKPSLLVGR                    | P97379 | 0.02491259 | N-term +42.01 Da, K +28.03 Da,            | 3460.97168  | 2 | 648.8722534 | 648.8708509 |
| ATVDLEKLR                     | P12382 | 0.00104767 | N-term +42.01 Da, K +28.03 Da,            | 3464.089844 | 2 | 557.8300171 | 557.8269663 |
| SDKPDMAEIEKFDK                | P20065 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3470.206543 | 3 | 593.9699707 | 593.634214  |
| TASSVLLH                      | Q9J116 | 0.0070159  | N-term +42.01 Da,                         | 3470.589111 | 2 | 435.7416382 | 435.239995  |
| AAAPATLALDPQPQEKQKDASESSELSR  | Q91WG2 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3473.919678 | 3 | 1013.52002  | 1012.854323 |
| AALYGGVEGGGTR                 | Q9QZ08 | 0.00701919 | N-term +42.01 Da,                         | 3475.76123  | 2 | 625.3106689 | 625.3122123 |
| SSIKVECVLR                    | Q64374 | 0.03257191 | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 3478.845947 | 2 | 630.8518066 | 630.8526583 |
| SEKSVEAAAELSAKDLKEK           | Q9D0J8 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3485.067871 | 4 | 547.8099976 | 547.5584245 |
| MDKNELVQKAKLAEQAER            | P63101 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3490.083008 | 4 | 557.7999878 | 557.55833   |
| SDAAVDTSEITTKDLKEKKEVVEEAENGR | P26350 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3492.706787 | 3 | 1145.579956 | 1144.924585 |

|                               |        |            |                                |             |   |             |             |
|-------------------------------|--------|------------|--------------------------------|-------------|---|-------------|-------------|
| ASLVPLKEKKLMEVK               | P56135 | 0          | N-term +42.01 Da, K +28.03 Da, | 3493.109375 | 4 | 467.7999878 | 467.5479732 |
| AAPAKGENLSLVVHGPDIR           | Q64442 | 0.04253545 | N-term +42.01 Da, K +28.03 Da, | 3494.453613 | 3 | 691.0499878 | 691.0480091 |
| MMLSTEGR                      | P70333 | 0.00053277 | N-term +42.01 Da,              | 3496.524414 | 2 | 483.7200012 | 483.7227977 |
| SDAAVDTSEITTKDLKEKKEVVEEAENGR | P26350 | 0.00154004 | N-term +42.01 Da, K +28.03 Da, | 3499.289551 | 4 | 859.4400024 | 858.9452577 |
| AAAAAAAAAGAAGGR               | Q8CCS6 | 0          | N-term +42.01 Da,              | 3506.417969 | 2 | 585.2999878 | 585.3047212 |
| AAAQAVEEMR                    | P52432 | 0          | N-term +42.01 Da,              | 3510.0354   | 2 | 559.2700195 | 559.2689585 |
| METLLKR                       | Q8K274 | 0.04293456 | N-term +42.01 Da, K +28.03 Da, | 3521.365479 | 2 | 480.7800903 | 480.7809725 |
| MFDIPPGAR                     | G3X9D2 | 0.03126338 | N-term +42.01 Da,              | 3529.980713 | 2 | 522.75      | 523.2604044 |
| SGGLLKALR                     | Q9CQ49 | 0.0033541  | N-term +42.01 Da, K +28.03 Da, | 3533.255127 | 2 | 492.8099976 | 492.8136612 |
| MDKNELVQKAKLAEQAER            | P63101 | 0.00055127 | N-term +42.01 Da, K +28.03 Da, | 3540.290771 | 4 | 557.8099976 | 557.55833   |
| SAGGDFGNPLR                   | P35279 | 0.0005534  | N-term +42.01 Da,              | 3545.218262 | 2 | 566.7700195 | 566.7727226 |
| AGQSDKDKVYYTLEEIQK            | P56395 | 0.01569507 | N-term +42.01 Da, K +28.03 Da, | 3547.136963 | 2 | 1122.089966 | 1121.086098 |
| ADKPDMEIASFDKAKLK             | Q6ZWY8 | 0          | N-term +42.01 Da, K +28.03 Da, | 3548.651367 | 4 | 530.539978  | 530.2933362 |
| AGQSDKDKVYYTLEEIQK            | P56395 | 0          | N-term +42.01 Da, K +28.03 Da, | 3549.388916 | 3 | 747.7264404 | 747.7264905 |
| AGQSDKDKVYYTLEEIQK            | P56395 | 0          | N-term +42.01 Da, K +28.03 Da, | 3550.047852 | 2 | 1121.579956 | 1121.086098 |
| MFDIPPGAR                     | G3X9D2 | 0.0461155  | N-term +42.01 Da,              | 3561.397949 | 2 | 522.75      | 523.2604044 |
| SDAAVDTSEITTKDLKEKKEVVEEAENGR | P26350 | 0          | N-term +42.01 Da, K +28.03 Da, | 3561.766846 | 3 | 1145.25     | 1144.924585 |
| SQAEFDKAAEEVKR                | P31786 | 0.00151286 | N-term +42.01 Da, K +28.03 Da, | 3566.368652 | 3 | 569.6300049 | 569.2967011 |
| AGQSDKDKVYYTLEEIQKHKDSKSTW    | P56395 | 0          | N-term +42.01 Da, K +28.03 Da, | 3568.994629 | 4 | 817.6799927 | 817.4290456 |
| AQQAADKYLYVDKN                | Q8VDD5 | 0          | N-term +42.01 Da, K +28.03 Da, | 3570.155029 | 2 | 862.944458  | 862.9463314 |
| ASLKDLEGKWR                   | Q05816 | 0          | N-term +42.01 Da, K +28.03 Da, | 3573.412354 | 3 | 467.6000061 | 467.6013952 |
| AELMQQKEATTEQQLR              | Q35490 | 0.00701262 | N-term +42.01 Da, K +28.03 Da, | 3576.360352 | 2 | 988.4899902 | 987.501677  |
| ADQGAMAAADIAR                 | A2A3W1 | 0          | N-term +42.01 Da,              | 3582.079834 | 2 | 651.8099976 | 651.8089797 |
| PPKFDPNEVKVYYLR               | P35979 | 0.00382409 | N-term +42.01 Da, K +28.03 Da, | 3588.579102 | 4 | 475.7799988 | 475.5239211 |
| ASGADSKGDDLSTAILK             | Q01853 | 0          | N-term +42.01 Da, K +28.03 Da, | 3589.558594 | 2 | 873.9587402 | 873.9596365 |
| AAPAKGENLSLVVHGPDIR           | Q64442 | 0.00151134 | N-term +42.01 Da, K +28.03 Da, | 3592.753906 | 3 | 691.0499878 | 691.0480091 |
| AAPAKGENLSLVVHGPDIR           | Q64442 | 0          | N-term +42.01 Da, K +28.03 Da, | 3597.919434 | 2 | 1036.069946 | 1036.068375 |
| AEGKAGGAAGLFAKQMQ             | D3Z6Q9 | 0.03102422 | N-term +42.01 Da, K +28.03 Da, | 3602.1521   | 3 | 578.3099976 | 578.3065427 |
| MEAADVHR                      | Q8BFS6 | 0.00057045 | N-term +42.01 Da,              | 3616.727295 | 2 | 559.2600098 | 559.2583934 |
| METASTPEATGTGKYIASTQRPDGTWR   | Q8CHP5 | 0          | N-term +42.01 Da, K +28.03 Da, | 3618.044434 | 3 | 995.1400146 | 994.8135818 |
| HVGDLGNVTAGKDGVANVSIEDR       | P08228 | 0          | N-term +42.01 Da, K +28.03 Da, | 3622.944336 | 3 | 798.7399902 | 798.4067029 |
| AAPAKGENLSLVVHGPDIR           | Q64442 | 0.00151362 | N-term +42.01 Da, K +28.03 Da, | 3623.589844 | 3 | 691.0471802 | 691.0480091 |
| MEQVNELKEKGNKAL               | Q60864 | 0          | N-term +42.01 Da, K +28.03 Da, | 3625.843018 | 3 | 619.6749268 | 619.6765245 |
| METASTPEATGTGKYIASTQRPDGTWR   | Q8CHP5 | 0          | N-term +42.01 Da, K +28.03 Da, | 3627.543457 | 3 | 995.4799805 | 994.8135818 |
| SDAAVDTSEITTKDLKEKKEVVEEAENGR | P26350 | 0          | N-term +42.01 Da, K +28.03 Da, | 3629.123047 | 3 | 1145.26001  | 1144.924585 |
| AAPAKGENLSLVVHGPDIR           | Q64442 | 0          | N-term +42.01 Da, K +28.03 Da, | 3629.509033 | 2 | 1036.067993 | 1036.068375 |
| SQAEFDKAAEEVKR                | P31786 | 0          | N-term +42.01 Da, K +28.03 Da, | 3629.590088 | 2 | 853.4400024 | 853.4414133 |
| SDAAVDTSEITTKDLKEKKEVVEEAENGR | P26350 | 0          | N-term +42.01 Da, K +28.03 Da, | 3629.748779 | 4 | 859.2000122 | 858.9452577 |
| ASESGKLW                      | Q91YI0 | 0.01366743 | N-term +42.01 Da, K +28.03 Da, | 3637.023682 | 2 | 474.2399902 | 474.2452775 |
| MEDSAPDAVAAAPSGTPKSKLETLP     | Q8CHG3 | 0          | N-term +42.01 Da, K +28.03 Da, | 3637.111816 | 3 | 913.4799805 | 913.1407468 |

|                                 |        |            |                                |             |   |             |             |
|---------------------------------|--------|------------|--------------------------------|-------------|---|-------------|-------------|
| AFDGTWKVDR                      | P55050 | 0          | N-term +42.01 Da, K +28.03 Da, | 3641.654297 | 2 | 632.8187866 | 632.8196728 |
| AAPAKGENLSLVVHGPDIR             | Q64442 | 0.00152749 | N-term +42.01 Da, K +28.03 Da, | 3654.039307 | 3 | 691.0499878 | 691.0480091 |
| MHTEAAEVLLE                     | Q8QZS1 | 0          | N-term +42.01 Da,              | 3655.489014 | 2 | 720.8599854 | 720.8612124 |
| SDAAVDTSSSEITTKDLKEKKEVVEEAENGR | P26350 | 0.0005637  | N-term +42.01 Da, K +28.03 Da, | 3669.533936 | 3 | 1145.589966 | 1144.924585 |
| AASASSEHFEKLEHIFR               | O88384 | 0          | N-term +42.01 Da, K +28.03 Da, | 3671.333008 | 4 | 526.2700195 | 525.7681798 |
| MDGLVAQCSAR                     | Q9D0I9 | 0          | N-term +42.01 Da, C +57.02Da,  | 3671.60376  | 2 | 625.289978  | 625.2868255 |
| AFDGTWKVDR                      | P55050 | 0          | N-term +42.01 Da, K +28.03 Da, | 3672.077881 | 2 | 632.8182983 | 632.8196728 |
| AELGEADEAELQR                   | P62077 | 0          | N-term +42.01 Da,              | 3676.548096 | 2 | 737.3499756 | 736.8468145 |
| AAPAGGGGSVSVLAPNGR              | Q8VBT9 | 0.0070028  | N-term +42.01 Da,              | 3678.407471 | 2 | 826.4199829 | 825.9315468 |
| ATNFLAH                         | P57776 | 0.01148369 | N-term +42.01 Da,              | 3688.244141 | 2 | 408.7072754 | 408.2059548 |
| AAPAKGENLSLVVHGPDIR             | Q64442 | 0.01355626 | N-term +42.01 Da, K +28.03 Da, | 3688.410156 | 3 | 691.0499878 | 691.0480091 |
| SAPMPAVVPAAR                    | P97823 | 0.00151592 | N-term +42.01 Da,              | 3689.589355 | 2 | 604.8200073 | 604.8264432 |
| SQAFFDKAAEEVKR                  | P31786 | 0          | N-term +42.01 Da, K +28.03 Da, | 3698.508545 | 2 | 853.9299927 | 853.4414133 |
| TSALTQGLER                      | Q8CF66 | 0          | N-term +42.01 Da,              | 3700.142578 | 2 | 559.2955933 | 559.2960307 |
| AFDGTWKVDR                      | P55050 | 0          | N-term +42.01 Da, K +28.03 Da, | 3702.924561 | 2 | 632.8200073 | 632.8196728 |
| SEKSVEAAAELSAKDLK               | Q9D0J8 | 0          | N-term +42.01 Da, K +28.03 Da, | 3704.263428 | 3 | 635.3499756 | 634.6858546 |
| ASLKDLEGKWR                     | Q05816 | 0          | N-term +42.01 Da, K +28.03 Da, | 3708.914551 | 3 | 467.6009216 | 467.6013952 |
| SYTPGQPVTAVVQR                  | Q9DBG9 | 0          | N-term +42.01 Da,              | 3711.088379 | 2 | 772.4099731 | 772.9070087 |
| MPMFIVNTNVPR                    | P34884 | 0          | N-term +42.01 Da,              | 3712.338379 | 2 | 730.3800049 | 730.8730678 |
| SQGTMYLLGSGTFVVKDLLQDRHHR       | Q9EPW0 | 0.02644127 | N-term +42.01 Da, K +28.03 Da, | 3717.148193 | 3 | 977.5100098 | 976.8431462 |
| ASLKDLEGKWR                     | Q05816 | 0.00194647 | N-term +42.01 Da, K +28.03 Da, | 3718.138916 | 2 | 700.8974609 | 700.8984546 |
| MNFSGKY                         | P12710 | 0.01570916 | N-term +42.01 Da, K +28.03 Da, | 3718.78833  | 2 | 459.2200012 | 458.7152983 |
| SAMEAADVFHR                     | Q8BFS6 | 0          | N-term +42.01 Da,              | 3719.174072 | 2 | 638.789978  | 638.2929651 |
| AAPAKGENLSLVVHGPDIR             | Q64442 | 0.0336984  | N-term +42.01 Da, K +28.03 Da, | 3719.273438 | 3 | 691.3800049 | 691.0480091 |
| ADPKYADLPGIAR                   | Q99KJ8 | 0          | N-term +42.01 Da, K +28.03 Da, | 3719.616211 | 2 | 729.4000244 | 728.8933696 |
| ADMQNLVER                       | P40124 | 0.00154719 | N-term +42.01 Da,              | 3720.094971 | 2 | 559.2682495 | 559.2689585 |
| AAPAKGENLSLVVHGPDIR             | Q64442 | 0.03180662 | N-term +42.01 Da, K +28.03 Da, | 3725.447021 | 3 | 691.0499878 | 691.0480091 |
| SYTPGQPVTAVVQR                  | Q9DBG9 | 0          | N-term +42.01 Da,              | 3730.855713 | 2 | 773.9099731 | 772.9070087 |
| MKETIMNQEKLAKLQAQVR             | Q64152 | 0          | N-term +42.01 Da, K +28.03 Da, | 3738.14502  | 4 | 597.5900269 | 597.0893685 |
| ASLKDLEGKWR                     | Q05816 | 0          | N-term +42.01 Da, K +28.03 Da, | 3739.268311 | 3 | 467.6006165 | 467.6013952 |
| SRFWYFVSQK                      | P62717 | 0.02084257 | N-term +42.01 Da, K +28.03 Da, | 3746.057373 | 2 | 766.4000244 | 765.9088221 |
| ASLKDLEGKWR                     | Q05816 | 0.00240616 | N-term +42.01 Da, K +28.03 Da, | 3748.623535 | 2 | 700.895874  | 700.8984546 |
| MNFSGKY                         | P12710 | 0.04716591 | N-term +42.01 Da, K +28.03 Da, | 3750.257324 | 2 | 458.714325  | 458.7152983 |
| ADPKYADLPGIAR                   | Q99KJ8 | 0          | N-term +42.01 Da, K +28.03 Da, | 3750.332764 | 2 | 728.8926392 | 728.8933696 |
| SAMEAADVFHR                     | Q8BFS6 | 0          | N-term +42.01 Da,              | 3750.413574 | 2 | 638.289978  | 638.2929651 |
| ASLLKVDQEVK                     | P61290 | 0.0015448  | N-term +42.01 Da, K +28.03 Da, | 3750.489014 | 2 | 664.3900146 | 664.3952136 |
| ADMQNLVER                       | P40124 | 0          | N-term +42.01 Da,              | 3751.005859 | 2 | 559.2700195 | 559.2689585 |
| AQALSEEFQR                      | Q8VD04 | 0          | N-term +42.01 Da,              | 3753.202881 | 2 | 675.3200073 | 675.3202348 |
| GDSASKVISAEEALPGR               | Q9D6Y7 | 0.02648719 | N-term +42.01 Da, K +28.03 Da, | 3764.843506 | 2 | 879.460022  | 878.9574279 |
| ASLKDLEGKWR                     | Q05816 | 0          | N-term +42.01 Da, K +28.03 Da, | 3770.379883 | 3 | 467.9299927 | 467.6013952 |

|                             |        |            |   |             |   |             |             |
|-----------------------------|--------|------------|---|-------------|---|-------------|-------------|
| SAAEEVDGLGVVVRPH            | Q9JKF1 | 0          | N-term +42.01 Da,                         | 3778.230957 | 2 | 789.4000244 | 789.3995482 |
| MNFSGKY                     | P12710 | 0.01570916 | N-term +42.01 Da, K +28.03 Da,            | 3780.474854 | 2 | 458.7143555 | 458.7152983 |
| SAAEEVDGLGVVVRPH            | Q9JKF1 | 0          | N-term +42.01 Da,                         | 3790.359619 | 2 | 790.4000244 | 789.3995482 |
| AAPQLFR                     | Q99J99 | 0.03110354 | N-term +42.01 Da,                         | 3790.435059 | 2 | 422.7399902 | 422.7374219 |
| MDASPEPQQKGGTLVLVR          | P58735 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3792.037598 | 2 | 999.0300293 | 998.5302371 |
| MDFSKLPK                    | P50516 | 0.00105319 | N-term +42.01 Da, K +28.03 Da,            | 3797.285889 | 2 | 532.2954712 | 532.2964556 |
| AAPAKGENLSLVVHGPDIR         | Q64442 | 0.00055036 | N-term +42.01 Da, K +28.03 Da,            | 3803.426025 | 3 | 691.7199707 | 691.0480091 |
| MDMVKVN                     | Q283N4 | 0.01574449 | N-term +42.01 Da, K +28.03 Da,            | 3818.822021 | 2 | 453.7200012 | 453.7248087 |
| AQEFVNCKIQ                  | Q9QUHO | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 3830.665771 | 2 | 653.8269653 | 653.8266408 |
| SEFYAREASKRLQAHGK           | Q6Q2Z6 | 0.00614367 | N-term +42.01 Da, K +28.03 Da,            | 3834.078369 | 2 | 1038.040039 | 1038.552892 |
| AQGLIEVER                   | Q8JZL3 | 0.00053619 | N-term +42.01 Da,                         | 3839.961182 | 2 | 528.7880859 | 528.7878412 |
| DDEVVDVDTVEEDLGKSR          | P08113 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3854.549072 | 2 | 1024.47998  | 1024.468753 |
| AQEFVNCKIQ                  | Q9QUHO | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 3861.704102 | 2 | 653.8300171 | 653.8266408 |
| ASLKDLEGWKR                 | Q05816 | 0.00057604 | N-term +42.01 Da, K +28.03 Da,            | 3867.895996 | 3 | 467.6000061 | 467.6013952 |
| AQGLIEVER                   | Q8JZL3 | 0.00053619 | N-term +42.01 Da,                         | 3870.318848 | 2 | 528.7879639 | 528.7878412 |
| MLTLASKLKR                  | Q9CY34 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3873.5354   | 3 | 420.6000061 | 420.2686995 |
| SDFDEFER                    | P26369 | 0.00053591 | N-term +42.01 Da,                         | 3878.724121 | 2 | 543.7199707 | 543.7223644 |
| MLTLASKLKR                  | Q9CY34 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3880.686523 | 3 | 420.269989  | 420.2686995 |
| AAAAAAAAAAGAAGGR            | Q8CCS6 | 0          | N-term +42.01 Da,                         | 3894.181396 | 2 | 620.8233643 | 620.8232783 |
| AESAESGGPPGAQDSAADGGPAEPKIM | Q8R317 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3902.549072 | 3 | 856.7199707 | 856.3903905 |
| AESAESGGPPGAQDSAADGGPAEPKIM | Q8R317 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3902.669678 | 2 | 1284.579956 | 1284.081947 |
| MKFNPFVTSDR                 | P61255 | 0.03493266 | N-term +42.01 Da, K +28.03 Da,            | 3903.295654 | 2 | 706.3499756 | 706.3555654 |
| ADNAFSFR                    | Q8VBV7 | 0.00611477 | N-term +42.01 Da,                         | 3905.427002 | 2 | 485.230011  | 485.2248764 |
| AAAVVEFQR                   | Q8BG32 | 0.0042735  | N-term +42.01 Da,                         | 3908.76123  | 2 | 516.7800293 | 516.7772761 |
| TEKDAQPQLEEADDDLSKLN        | Q61599 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3911.42334  | 2 | 1237.079956 | 1236.584846 |
| TEKDAQPQLEEADDDLSKLN        | Q61599 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3914.262207 | 3 | 824.7241821 | 824.7256562 |
| MKVFTGPLPAEGR               | Q91Z53 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3914.435791 | 2 | 786.43573   | 786.4343472 |
| TEKDAQPQLEEADDDLSKLN        | Q61599 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3914.543945 | 2 | 1236.579956 | 1236.584846 |
| SSVSIQIPSR                  | Q9DBN5 | 0          | N-term +42.01 Da,                         | 3922.960693 | 2 | 606.8300171 | 606.8327804 |
| AAAAAAAAAAGAAGGR            | Q8CCS6 | 0          | N-term +42.01 Da,                         | 3924.825195 | 2 | 620.822937  | 620.8232783 |
| ANHAPFETDISTLTR             | Q9QXD6 | 0          | N-term +42.01 Da,                         | 3925.69043  | 2 | 858.4199829 | 857.9233878 |
| ATEGDVELELETETSGPERPPEKPR   | Q9CR41 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3929.013428 | 3 | 946.460022  | 946.1330862 |
| SDAPPLTDGIKDR               | Q9CR21 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3940.238281 | 2 | 784.9199829 | 784.4199493 |
| MEMELDSEGR                  | Q8CC86 | 0          | N-term +42.01 Da,                         | 3940.498291 | 2 | 620.7600098 | 619.7550244 |
| MEMELDSEGR                  | Q8CC86 | 0          | N-term +42.01 Da,                         | 3946.96167  | 2 | 619.75      | 619.7550244 |
| MQNVINTVKGK                 | Q9CPX6 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3948.475098 | 2 | 665.3796997 | 665.381583  |
| SHQTGIQASEDVKEIFAR          | Q91YR1 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3950.342773 | 3 | 696.3599854 | 696.023641  |
| MEIGTEISR                   | Q8BJ05 | 0.00056275 | N-term +42.01 Da,                         | 3963.178223 | 2 | 539.2700195 | 539.2658845 |
| AVPPTYADLGK                 | Q60932 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3963.917725 | 2 | 601.3300171 | 601.3267993 |
| ADLEEQLSDEEKVR              | P47754 | 0          | N-term +42.01 Da, K +28.03 Da,            | 3966.441895 | 2 | 865.9199829 | 865.9257938 |

|                           |        |            |                                |             |   |             |             |
|---------------------------|--------|------------|--------------------------------|-------------|---|-------------|-------------|
| SSVAULTQESFAEHR           | Q8VDJ3 | 0          | N-term +42.01 Da,              | 3976.883789 | 2 | 851.9225464 | 851.9233878 |
| MQDAENVAVPEAAEER          | Q8JZQ9 | 0          | N-term +42.01 Da,              | 3978.514404 | 2 | 901.4099731 | 900.9070782 |
| AGTSSAEAEALAAAR           | Q99PW4 | 0          | N-term +42.01 Da,              | 3978.690186 | 2 | 774.3699951 | 773.8708211 |
| SLVIPEKFAQH               | P62270 | 0.0386068  | N-term +42.01 Da, K +28.03 Da, | 3978.780762 | 2 | 634.8599854 | 634.3558909 |
| MDNKLDVFR                 | Q3UZ26 | 0          | N-term +42.01 Da, K +28.03 Da, | 3979.938232 | 2 | 604.3105469 | 604.3106262 |
| PFVELETNLPASR             | Q35215 | 0.0015     | N-term +42.01 Da,              | 3983.60498  | 2 | 758.9000244 | 757.8961096 |
| ATEGDVELELETETSGPERPPEKPR | Q9CR41 | 0          | N-term +42.01 Da, K +28.03 Da, | 3988.155518 | 3 | 946.4699707 | 946.1330862 |
| ADEELEALR                 | P56812 | 0.00106045 | N-term +42.01 Da,              | 3994.278076 | 2 | 544.2600098 | 544.2669391 |
| ADLEEQLSDEEKVR            | P47754 | 0          | N-term +42.01 Da, K +28.03 Da, | 3997.141357 | 2 | 865.9254761 | 865.9257938 |
| VVLVGGSTR                 | Q8BM72 | 0.00614077 | N-term +42.01 Da,              | 3997.411133 | 2 | 465.269989  | 465.2743691 |
| SASVVSISR                 | P61804 | 0          | N-term +42.01 Da,              | 3998.863281 | 2 | 523.7999878 | 523.7956662 |
| MSPEIALNR                 | Q8K3W0 | 0.00057504 | N-term +42.01 Da,              | 4001.002686 | 2 | 536.7800293 | 536.776419  |
| SLDIQCEQLSDAR             | Q91V17 | 0          | N-term +42.01 Da, C +57.02Da,  | 4004.04834  | 2 | 788.8641357 | 788.867224  |
| AAVVDPPQSVVMR             | P43883 | 0          | N-term +42.01 Da,              | 4004.227295 | 2 | 721.3786011 | 721.3770295 |
| SAKAISEQTGKELLYKY         | Q91V92 | 0          | N-term +42.01 Da, K +28.03 Da, | 4005.733154 | 3 | 685.7199707 | 685.7172661 |
| MDNKLDVFR                 | Q3UZ26 | 0          | N-term +42.01 Da, K +28.03 Da, | 4010.374268 | 2 | 604.3101196 | 604.3106262 |
| SLVIPEKFAQH               | P62270 | 0.04639602 | N-term +42.01 Da, K +28.03 Da, | 4010.449951 | 2 | 634.3554077 | 634.3558909 |
| SAKAISEQTGKELLYKY         | Q91V92 | 0          | N-term +42.01 Da, K +28.03 Da, | 4012.020508 | 3 | 686.3900146 | 685.7172661 |
| SMHTEAAEVLLER             | Q8QZS1 | 0.00153218 | N-term +42.01 Da,              | 4014.088135 | 2 | 765.3900146 | 764.377227  |
| PFVELETNLPASR             | Q35215 | 0.00152362 | N-term +42.01 Da,              | 4014.615723 | 2 | 758.9035034 | 757.8961096 |
| AEDIKTIKKNYKTAPFDSR       | P56391 | 0          | N-term +42.01 Da, K +28.03 Da, | 4018.039795 | 4 | 596.0800171 | 595.5875161 |
| GAAELMQQKEATTEQQLR        | Q35490 | 0          | N-term +42.01 Da, K +28.03 Da, | 4019.794189 | 2 | 1052.52002  | 1051.530966 |
| SMVLGYWDIR                | P48774 | 0.02203614 | N-term +42.01 Da,              | 4020.180908 | 2 | 641.3175049 | 641.3184512 |
| SMHTEAAEVLLER             | Q8QZS1 | 0          | N-term +42.01 Da,              | 4022.679199 | 2 | 764.3699951 | 764.377227  |
| ADEELEALR                 | P56812 | 0.00106045 | N-term +42.01 Da,              | 4024.916748 | 2 | 544.2700195 | 544.2669391 |
| SSDAQWLTAER               | Q9CZL5 | 0          | N-term +42.01 Da,              | 4029.269531 | 2 | 717.8300171 | 717.8284244 |
| SSPAQPAVPAPLADLKIQHTK     | P24549 | 0          | N-term +42.01 Da, K +28.03 Da, | 4033.498779 | 3 | 757.0999756 | 756.4301193 |
| AAPAKGENLSLVVHGPDIR       | Q64442 | 0.03101105 | N-term +42.01 Da, K +28.03 Da, | 4036.402832 | 3 | 691.710022  | 691.0480091 |
| METEQPEETFPNTETNGEFGKR    | P61979 | 0.00055897 | N-term +42.01 Da, K +28.03 Da, | 4039.510986 | 3 | 881.7199707 | 881.0622738 |
| ADLEEQLSDEEKVR            | P47754 | 0          | N-term +42.01 Da, K +28.03 Da, | 4041.425293 | 2 | 866.4299927 | 865.9257938 |
| SSPAQPAVPAPLADLKIQHTK     | P24549 | 0          | N-term +42.01 Da, K +28.03 Da, | 4048.081787 | 2 | 1134.640015 | 1134.141541 |
| ALDGPEQMELEEGKAGSGLR      | P62196 | 0          | N-term +42.01 Da, K +28.03 Da, | 4050.800049 | 2 | 1079.530029 | 1079.028257 |
| SMVLGYWDIR                | P48774 | 0.0024108  | N-term +42.01 Da,              | 4051.856934 | 2 | 641.3171997 | 641.3184512 |
| AAQALAAQAVASR             | Q8BLY2 | 0          | N-term +42.01 Da,              | 4052.322021 | 2 | 635.3485107 | 635.3491289 |
| SGSSVAAMKKVVQQLR          | Q80S27 | 0          | N-term +42.01 Da, K +28.03 Da, | 4053.824463 | 3 | 625.3557739 | 625.3557852 |
| ATDELASKL                 | Q9D8Y0 | 0.04289879 | N-term +42.01 Da, K +28.03 Da, | 4058.401611 | 2 | 509.2799988 | 509.2767751 |
| MDFSKLPKIR                | P50516 | 0          | N-term +42.01 Da, K +28.03 Da, | 4058.55249  | 3 | 444.9299927 | 444.9284545 |
| MDDREDLVYQAKLAEQAER       | P62259 | 0          | N-term +42.01 Da, K +28.03 Da, | 4060.299316 | 3 | 784.0499878 | 784.0496391 |
| MEGPAGYLR                 | E9Q509 | 0          | N-term +42.01 Da,              | 4061.416016 | 2 | 518.25      | 518.2500369 |
| MPFVELETNLPASR            | Q35215 | 0          | N-term +42.01 Da,              | 4062.908691 | 2 | 824.4199829 | 823.4163522 |

|                                |        |            |   |             |   |             |             |
|--------------------------------|--------|------------|---|-------------|---|-------------|-------------|
| SSPAQPAVPAPLADLKIQHTK          | P24549 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4064.121338 | 3 | 756.4293823 | 756.4301193 |
| AAAKKAVLGPLVGAVDQGTSSSTR       | Q64516 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4067.755859 | 3 | 766.1099854 | 765.7725453 |
| MEVHELFR                       | P41216 | 0.00054765 | N-term +42.01 Da,                         | 4069.762207 | 2 | 551.7705078 | 551.7711365 |
| MQIFVKLTGK                     | P0CG49 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4072.827393 | 2 | 682.404541  | 682.4045266 |
| MEGEEKPAQEADVEPVVTTAGTSEAVPR   | Q99JY4 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4074.923096 | 3 | 966.7999878 | 966.1342098 |
| MEGEEKPAQEADVEPVVTTAGTSEAVPR   | Q99JY4 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4075.41748  | 2 | 1449.709961 | 1448.697676 |
| EWHTIILASDKR                   | B5X0G2 | 0.00153139 | N-term +42.01 Da, K +28.03 Da,            | 4080.366943 | 3 | 514.2800293 | 513.6157046 |
| ASQSQGIQQLLQAEKR               | Q9CR51 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4083.361328 | 2 | 928.0071411 | 928.0052436 |
| MEKTLETVPLER                   | O88569 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4086.555908 | 2 | 758.9099731 | 758.4079956 |
| SDAAVDTSSEITTKDLKEKKEVVEEAENGR | P26350 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4086.825684 | 4 | 859.4299927 | 858.9452577 |
| ASQSQGIQQLLQAEKR               | Q9CR51 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4088.338867 | 3 | 619.0100098 | 619.0059212 |
| MEGPAGYLR                      | E9Q509 | 0          | N-term +42.01 Da,                         | 4092.51001  | 2 | 518.249939  | 518.2500369 |
| AAAAVVEFQR                     | Q8BG32 | 0          | N-term +42.01 Da,                         | 4095.206299 | 2 | 552.2949829 | 552.2958332 |
| AAATLSFGPER                    | Q80TM9 | 0          | N-term +42.01 Da,                         | 4097.022461 | 2 | 581.2999878 | 581.2985732 |
| AAAKKAVLGPLVGAVDQGTSSSTR       | Q64516 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4098.418457 | 3 | 765.7722168 | 765.7725453 |
| MEKTLETVPLER                   | O88569 | 0.02615519 | N-term +42.01 Da, K +28.03 Da,            | 4098.779785 | 3 | 506.2799988 | 505.9410892 |
| AALVVSETAEPGSR                 | Q5NCQ5 | 0.00054855 | N-term +42.01 Da,                         | 4099.228516 | 2 | 714.8699951 | 714.870092  |
| AAAKKAVLGPLVGAVDQGTSSSTR       | Q64516 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4100.310059 | 2 | 1148.650024 | 1148.15518  |
| ANLEKAQSELSGADEAAR             | Q9D3D9 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4100.526855 | 2 | 1000.51001  | 1000.997814 |
| DIQMTQSTSSLSASLGDR             | P01646 | 0.01353791 | N-term +42.01 Da,                         | 4102.297363 | 2 | 970.4699707 | 969.9572999 |
| AAAKKAVLGPLVGAVDQGTSSSTR       | Q64516 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4102.951172 | 2 | 1149.160034 | 1148.15518  |
| DDEVVDVDTVEEDLGKSR             | P08113 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4105.726074 | 2 | 1023.960022 | 1024.468753 |
| DDEVVDVDTVEEDLGKSR             | P08113 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4108.38916  | 2 | 1024.459961 | 1024.468753 |
| AAPAKGENLSLVVHGPDIR            | Q64442 | 0.00380952 | N-term +42.01 Da, K +28.03 Da,            | 4111.138672 | 3 | 691.3762207 | 691.0480091 |
| ASQSQGIQQLLQAEKR               | Q9CR51 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4113.88623  | 2 | 928.5100098 | 928.0052436 |
| MEKTLETVPLER                   | O88569 | 0.00053821 | N-term +42.01 Da, K +28.03 Da,            | 4117.307129 | 2 | 758.4069824 | 758.4079956 |
| AAAVVDPQQSVVMR                 | P43883 | 0          | N-term +42.01 Da,                         | 4119.350586 | 2 | 756.8942871 | 756.8955865 |
| AMKAVCVLKGDPVQGTIHFEQK         | P08228 | 0.00194553 | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 4124.049805 | 4 | 660.8499756 | 660.6066544 |
| AAAAVVEFQR                     | Q8BG32 | 0          | N-term +42.01 Da,                         | 4125.535645 | 2 | 552.2949829 | 552.2958332 |
| ALDGPEQMELEEGKAGSGLR           | P62196 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4128.169922 | 2 | 1079.530029 | 1079.028257 |
| AMKAVCVLKGDPVQGTIHFEQK         | P08228 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 4128.901855 | 3 | 880.8099976 | 880.4731137 |
| AAAKKAVLGPLVGAVDQGTSSSTR       | Q64516 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4129.67041  | 3 | 765.770813  | 765.7725453 |
| AMKAVCVLKGDPVQGTIHFEQK         | P08228 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 4131.151855 | 3 | 881.1400146 | 880.4731137 |
| ALDGPEQMELEEGKAGSGLR           | P62196 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4133.074219 | 2 | 1079.030029 | 1079.028257 |
| SVFGKLFAGGGKAGGGPTPQEAQR       | Q9D8B3 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4135.39502  | 4 | 686.6300049 | 686.1328881 |
| ALDGPEQMELEEGKAGSGLR           | P62196 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4137.320801 | 3 | 719.6900024 | 719.6879299 |
| SVFGKLFAGGGKAGGGPTPQEAQR       | Q9D8B3 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4143.021484 | 4 | 686.1300049 | 686.1328881 |
| MDLGLAGR                       | Q91X52 | 0.00146843 | N-term +42.01 Da,                         | 4143.097168 | 2 | 437.7250977 | 437.7261973 |
| ASSPQGLDNPALLR                 | A2ADY9 | 0          | N-term +42.01 Da,                         | 4143.519531 | 2 | 741.3900146 | 740.8913586 |
| ATIATMPVPETR                   | Q62189 | 0          | N-term +42.01 Da,                         | 4145.973145 | 2 | 664.8499756 | 664.8475733 |

|                                   |        |            |   |             |   |             |             |
|-----------------------------------|--------|------------|---|-------------|---|-------------|-------------|
| AMKAVCVLKGDPVQGTIHFEQK            | P08228 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 4146.217285 | 3 | 880.4699707 | 880.4731137 |
| MDNKL DVFR                        | Q3UZ26 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4147.914551 | 2 | 604.3106689 | 604.3106262 |
| AMKAVCVLKGDPVQGTIHFEQK            | P08228 | 0.00056022 | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 4155.312012 | 4 | 660.8599854 | 660.6066544 |
| AAA AVVEFQR                       | Q8BG32 | 0          | N-term +42.01 Da,                         | 4155.655273 | 2 | 552.7999878 | 552.2958332 |
| AEGQVLVLDGR                       | P19253 | 0          | N-term +42.01 Da,                         | 4155.881348 | 2 | 599.8243408 | 599.8249553 |
| AAQKINEGLEHLAKAEKY                | Q9CWZ7 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4156.583008 | 4 | 535.5499878 | 535.5506677 |
| SAHLQWMVVR                        | P41105 | 0.00057372 | N-term +42.01 Da,                         | 4160.60498  | 2 | 635.3300171 | 634.8320597 |
| GLVGEI IKR                        | P15532 | 0.03293919 | N-term +42.01 Da, K +28.03 Da,            | 4162.61084  | 2 | 528.8300171 | 527.8345938 |
| SSVAVL TQESFAEHR                  | Q8VDJ3 | 0          | N-term +42.01 Da,                         | 4175.946289 | 2 | 851.9199829 | 851.9233878 |
| ATIATMPVPETR                      | Q62189 | 0          | N-term +42.01 Da,                         | 4176.513184 | 2 | 664.8456421 | 664.8475733 |
| AERPEDLNL PNAVITR                 | Q9JKP7 | 0.00194175 | N-term +42.01 Da,                         | 4177.283203 | 2 | 926.4899902 | 925.491969  |
| AERPEDLNL PNAVITR                 | Q9JKP7 | 0          | N-term +42.01 Da,                         | 4179.114746 | 2 | 925.9899902 | 925.491969  |
| AATMKKAAAEDVNVTFEDQQKINKF         | E9Q6U4 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4180.569336 | 4 | 738.6400146 | 738.6441288 |
| VAPEEHPVLLTEAPLNPKANR             | P60710 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4183.853027 | 3 | 788.7700195 | 789.100662  |
| AMFEQMR                           | Q9DBZ5 | 0.0014881  | N-term +42.01 Da,                         | 4189.851074 | 2 | 477.7099915 | 477.7122327 |
| MEEKAVASAGCWEPGPPR                | A7MCT6 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 4191.34375  | 3 | 714.0100098 | 713.6714451 |
| AAA AVVEFQR                       | Q8BG32 | 0          | N-term +42.01 Da,                         | 4191.418945 | 2 | 552.2999878 | 552.2958332 |
| AASAIKGLSALR                      | Q9D8T7 | 0.02042629 | N-term +42.01 Da, K +28.03 Da,            | 4192.878906 | 2 | 614.3741455 | 614.374615  |
| TMDKSELVQKAKLAEQAER               | Q9CQV8 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4194.541016 | 3 | 767.7399902 | 767.7542745 |
| MFASFPTTK                         | P01942 | 0.01017106 | N-term +42.01 Da, K +28.03 Da,            | 4206.75     | 2 | 550.7800293 | 550.278263  |
| SSVAVL TQESFAEHR                  | Q8VDJ3 | 0          | N-term +42.01 Da,                         | 4207.384277 | 2 | 851.9221802 | 851.9233878 |
| TTNTVPLHPYWPR                     | P70245 | 0          | N-term +42.01 Da,                         | 4211.627441 | 2 | 812.4099731 | 812.4175432 |
| ANHAPFETDISTLTR                   | Q9QXD6 | 0          | N-term +42.01 Da,                         | 4213.538086 | 2 | 857.9199829 | 857.9233878 |
| AAA GAVVASAASGPAEGKKITELR         | Q8CH25 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4215.124023 | 3 | 799.1099854 | 798.7832217 |
| ADKPDMGEIASFDKAKL                 | Q6ZWY8 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4218.697754 | 3 | 655.0100098 | 654.6799349 |
| STNTDLSLSSYDEGQGSKFIR             | Q9JLR9 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4224.216797 | 2 | 1188.069946 | 1188.071708 |
| ADTATTASAASAAAAPNASTDAPPFQLGKPR   | Q925N0 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4228.718262 | 3 | 1029.180054 | 1028.845939 |
| MNQEKLAKLQAQVR                    | Q64152 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4234.581055 | 2 | 878.4899902 | 878.0009175 |
| ADTATTASAASAAAAPNASTDAPPFQLGKPR   | Q925N0 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4237.362305 | 3 | 1028.530029 | 1028.845939 |
| SSVAVL TQESFAEHR                  | Q8VDJ3 | 0          | N-term +42.01 Da,                         | 4238.478516 | 2 | 851.9220581 | 851.9233878 |
| ADAWEEIR                          | Q8CCJ3 | 0.00104384 | N-term +42.01 Da,                         | 4239.298828 | 2 | 516.2399902 | 516.2432665 |
| ANHAPFETDISTLTR                   | Q9QXD6 | 0          | N-term +42.01 Da,                         | 4242.038086 | 3 | 572.2800293 | 572.284684  |
| ANHAPFETDISTLTR                   | Q9QXD6 | 0          | N-term +42.01 Da,                         | 4244.742188 | 2 | 857.921875  | 857.9233878 |
| AAA GAVVASAASGPAEGKKITELR         | Q8CH25 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4245.749023 | 3 | 799.1199951 | 798.7832217 |
| MELSGEYVGCDGEPQR                  | P0C8B4 | 0          | N-term +42.01 Da, C +57.02Da,             | 4246.359375 | 2 | 935.3900146 | 934.8931135 |
| SSSRPVALVTGANKGIGFAITR            | P48758 | 0.00055991 | N-term +42.01 Da, K +28.03 Da,            | 4247.719727 | 3 | 758.4299927 | 758.0972516 |
| AGAGPTMLLR                        | Q9D2U5 | 0          | N-term +42.01 Da,                         | 4259.124023 | 2 | 515.2800293 | 514.781504  |
| MELSGEYVGCDGEPQR                  | P0C8B4 | 0          | N-term +42.01 Da, C +57.02Da,             | 4261.847168 | 2 | 934.8900146 | 934.8931135 |
| SAAEEVDGLGVVRPHYGSVLDNER          | Q9JKF1 | 0          | N-term +42.01 Da,                         | 4262.658691 | 3 | 871.4299927 | 871.0964173 |
| AASAAATAAASATAAASAGSPGSGEGSAGGEKR | Q62318 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4264.499023 | 3 | 983.7999878 | 983.1377822 |



|                                 |        |            |   |             |   |             |             |
|---------------------------------|--------|------------|---|-------------|---|-------------|-------------|
| SGYPKSYNPFDDDDVEEDTRPAPWKDVR    | Q9ERB0 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4269.983887 | 4 | 853.6500244 | 853.4007512 |
| ANHAPFETDISTLTR                 | Q9QXD6 | 0          | N-term +42.01 Da,                         | 4272.527344 | 3 | 572.2800293 | 572.284684  |
| ACGLVASNLNLKPGECKVR             | P16045 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 4272.803711 | 3 | 766.4199829 | 766.4204608 |
| ANHAPFETDISTLTR                 | Q9QXD6 | 0          | N-term +42.01 Da,                         | 4275.462891 | 2 | 857.9222412 | 857.9233878 |
| AAALGAGGGAGAGDDDFDQFDKPGAER     | Q9CCK9 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4281.187988 | 2 | 1304.089966 | 1303.591328 |
| AAALGAGGGAGAGDDDFDQFDKPGAER     | Q9CCK9 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4284.853027 | 2 | 1304.599976 | 1303.591328 |
| TASSVLLHTGQKMPL                 | Q9JII6 | 0.00151976 | N-term +42.01 Da, K +28.03 Da,            | 4288.526367 | 2 | 826.960022  | 826.9556443 |
| ACGLVASNLNLKPGECKVR             | P16045 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 4288.746582 | 2 | 1149.630005 | 1149.127053 |
| ASIVVGR                         | O35639 | 0.00151515 | N-term +42.01 Da,                         | 4290.053711 | 2 | 464.2600098 | 464.255979  |
| SSVAVLTQESFAEHR                 | Q8VDJ3 | 0          | N-term +42.01 Da,                         | 4295.35791  | 2 | 851.9199829 | 851.9233878 |
| SSVAVLTQESFAEHR                 | Q8VDJ3 | 0          | N-term +42.01 Da,                         | 4300.165039 | 2 | 852.4299927 | 851.9233878 |
| SIFTPTNQIR                      | P70122 | 0.00054259 | N-term +42.01 Da,                         | 4300.391602 | 2 | 609.8267822 | 609.8274978 |
| AEPDYIEDNPPELIRPQKLNIPVKSSR     | Q3TGF2 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4304.01123  | 4 | 809.6799927 | 809.4305826 |
| ACGLVASNLNLKPGECKVR             | P16045 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 4304.953613 | 3 | 766.4199829 | 766.4204608 |
| ASWAEPSEPAALR                   | O35465 | 0.00152439 | N-term +42.01 Da,                         | 4305.172363 | 2 | 713.8499756 | 713.851702  |
| SDEFSLADALPEQSSAKPPAVTNTKAGH    | Q8BH93 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4305.352539 | 3 | 989.8300171 | 989.4962473 |
| AKVEQVLSLEPQHELKFR              | Q9QY76 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4307.062012 | 4 | 563.0700073 | 563.0717673 |
| SDEFSLADALPEQSSAKPPAVTNTKAGH    | Q8BH93 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4309.048828 | 3 | 989.5       | 989.4962473 |
| AKVEQVLSLEPQHELKFR              | Q9QY76 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4309.246582 | 3 | 750.7600098 | 750.4265976 |
| ASWAEPSEPAALR                   | O35465 | 0          | N-term +42.01 Da,                         | 4317.36377  | 2 | 713.8511353 | 713.851702  |
| AKVEQVLSLEPQHELKFR              | Q9QY76 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4321.253418 | 3 | 750.425354  | 750.4265976 |
| STGTFVVSQPLNYR                  | Q9JLJ2 | 0          | N-term +42.01 Da,                         | 4321.541504 | 2 | 805.9099731 | 805.9122912 |
| SIGVPIKVLHEAEGH                 | P62320 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4323.117188 | 3 | 552.9799805 | 552.6420311 |
| SIMSYPNGGAVMAMKGN               | Q9R1P1 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4325.009277 | 2 | 929.4476929 | 928.9570042 |
| SDEFSLADALPEQSSAKPPAVTNTKAGH    | Q8BH93 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4329.489258 | 3 | 989.1599731 | 989.4962473 |
| GANEDQEMEALR                    | Q9CPR1 | 0          | N-term +42.01 Da,                         | 4334.885742 | 2 | 823.8699951 | 823.869964  |
| SSVAVLTQESFAEHR                 | Q8VDJ3 | 0          | N-term +42.01 Da,                         | 4335.168945 | 2 | 851.9199829 | 851.9233878 |
| AKVEQVLSLEPQHELKFR              | Q9QY76 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4338.849121 | 4 | 563.3200073 | 563.0717673 |
| SDAAVDTSSSEITTKDLKEKKEVVEEAENGR | P26350 | 0.00658204 | N-term +42.01 Da, K +28.03 Da,            | 4339.658203 | 4 | 859.4400024 | 858.9452577 |
| MKTILSNQTVDIPENVEITLKGR         | P51410 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4339.989258 | 4 | 675.6300049 | 675.126843  |
| NKELDPVQKLFVDKIR                | P97450 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4341.161133 | 4 | 517.8099976 | 517.8095817 |
| MEELSADAIR                      | Q9ES00 | 0          | N-term +42.01 Da,                         | 4341.890137 | 2 | 617.7899978 | 617.7846391 |
| VGDLGNVTAGKDGVANVSIEDR          | P08228 | 0.03091456 | N-term +42.01 Da, K +28.03 Da,            | 4342.209961 | 2 | 1129.069946 | 1128.57696  |
| MDNKDEDIFKFGY                   | G5E904 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4343.318848 | 3 | 625.9799805 | 625.9780921 |
| MEPLYQQTNKQVQEIQSH              | O35166 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4344.656738 | 2 | 1136.050049 | 1136.057348 |
| ANHAPFETDISTLTR                 | Q9QXD6 | 0          | N-term +42.01 Da,                         | 4344.944336 | 2 | 857.4299927 | 857.9233878 |
| MEPLYQQTNKQVQEIQSH              | O35166 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4346.537598 | 3 | 758.039978  | 757.7073243 |
| SSEPPPPPLQPPTHQTSVGLLDTPR       | Q9CR86 | 0          | N-term +42.01 Da,                         | 4348.959473 | 3 | 898.1300049 | 897.4643294 |
| ANHAPFETDISTLTR                 | Q9QXD6 | 0          | N-term +42.01 Da,                         | 4350.768555 | 2 | 858.4199829 | 857.9233878 |
| AEEQPQVELFVKAGSDGAK             | Q9Z1Q5 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4356.977539 | 2 | 1051.040039 | 1051.044232 |

|                                   |        |            |   |             |   |             |             |
|-----------------------------------|--------|------------|---|-------------|---|-------------|-------------|
| AAYKLVLR                          | Q9DBJ1 | 0.00241196 | N-term +42.01 Da, K +28.03 Da,            | 4358.124512 | 2 | 558.8602295 | 558.8606114 |
| SSEPPPPPLQPPTHQTSVGLLDTPR         | Q9CR86 | 0          | N-term +42.01 Da,                         | 4363.055176 | 2 | 1346.689941 | 1345.692856 |
| SSEPPPPPLQPPTHQTSVGLLDTPR         | Q9CR86 | 0          | N-term +42.01 Da,                         | 4373.316895 | 2 | 1345.689941 | 1345.692856 |
| MNFSGKYQLQ                        | P12710 | 0.00657895 | N-term +42.01 Da, K +28.03 Da,            | 4373.392578 | 2 | 643.3144531 | 643.3159087 |
| VLSGEDKSNIAAWGKIGGHGAEGYGAELER    | P01942 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4377.150879 | 4 | 836.1900024 | 835.6887568 |
| MNVVDLGR                          | Q9DB60 | 0.00053677 | N-term +42.01 Da,                         | 4377.794434 | 2 | 473.2399902 | 473.2447544 |
| AKEWGYASHNGPDHWHELYPIAKGDNQSPIELH | P16015 | 0.00057339 | N-term +42.01 Da, K +28.03 Da,            | 4379.081543 | 4 | 974.9699707 | 974.4710365 |
| SSEPPPPPLQPPTHQTSVGLLDTPR         | Q9CR86 | 0          | N-term +42.01 Da,                         | 4380.355469 | 3 | 897.460022  | 897.4643294 |
| MEAAALVTR                         | Q9CXA2 | 0          | N-term +42.01 Da,                         | 4382.438965 | 2 | 502.2649231 | 502.265687  |
| AEQEPTAEQLAQIAAENEDEHSVNYKPPAQK   | Q99PT1 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4382.599609 | 4 | 916.9400024 | 916.4418766 |
| SDAAVDTSEITTKDLKEKKEVVEEAENGR     | P26350 | 0.00612918 | N-term +42.01 Da, K +28.03 Da,            | 4384.308594 | 4 | 859.4299927 | 858.9452577 |
| TASSVLLHTGQKMPL                   | Q9JII6 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4386.430176 | 2 | 826.9500122 | 826.9556443 |
| AEQEPTAEQLAQIAAENEDEHSVNYKPPAQK   | Q99PT1 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4387.593262 | 3 | 1221.920044 | 1221.586743 |
| SSEPPPPPLQPPTHQTSVGLLDTPR         | Q9CR86 | 0          | N-term +42.01 Da,                         | 4400.625    | 3 | 897.4622803 | 897.4643294 |
| AVPGSLAECGYIR                     | E0CX59 | 0          | N-term +42.01 Da, C +57.02Da,             | 4402.733887 | 2 | 717.8499756 | 717.8559299 |
| MNFSGKYQLQ                        | P12710 | 0.00146987 | N-term +42.01 Da, K +28.03 Da,            | 4404.099121 | 2 | 643.3148193 | 643.3159087 |
| SSEPPPPPLQPPTHQTSVGLLDTPR         | Q9CR86 | 0          | N-term +42.01 Da,                         | 4404.199707 | 2 | 1345.691284 | 1345.692856 |
| ISLSGEHSIIGR                      | P08228 | 0.00105988 | N-term +42.01 Da,                         | 4406.239258 | 2 | 656.8499756 | 655.856787  |
| SYGRPPPDVEGMTSLKVDNLTYR           | Q62093 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4408.851563 | 3 | 889.1199951 | 889.1145317 |
| AREEAERELERWQLK                   | Q9QXS1 | 0.02241758 | N-term +42.01 Da, K +28.03 Da,            | 4418.95166  | 2 | 1007.52002  | 1007.02925  |
| AAPAKGENLSLVVHGPDIR               | Q64442 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4421.777832 | 2 | 1036.550049 | 1036.068375 |
| ADEIAKAQVAQPGGDTIFGK              | P70349 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4428.331055 | 3 | 706.039978  | 705.3757917 |
| ADEIAKAQVAQPGGDTIFGK              | P70349 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4429.46582  | 2 | 1058.060059 | 1057.560049 |
| ANHAPFETDISTLTR                   | Q9QXD6 | 0          | N-term +42.01 Da,                         | 4433.417969 | 2 | 858.4133301 | 857.9233878 |
| MESSTSSSGSALGAVDPQLQH             | Q9WVA2 | 0          | N-term +42.01 Da,                         | 4436.909668 | 2 | 1066.48999  | 1065.984047 |
| MQAALEVTR                         | Q9CQP3 | 0          | N-term +42.01 Da,                         | 4437.328613 | 2 | 566.789978  | 566.2949761 |
| AAPAKGENLSLVVHGPDIR               | Q64442 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4438.544434 | 3 | 691.039978  | 691.0480091 |
| ADPESPWSQLGR                      | Q99JV5 | 0          | N-term +42.01 Da,                         | 4439.13916  | 2 | 693.3300171 | 692.8282269 |
| ASCASIDIEDATQHRLR                 | Q3UJB9 | 0          | N-term +42.01 Da, C +57.02Da,             | 4447.644043 | 2 | 914.9299927 | 914.9283447 |
| MQAALEVTR                         | Q9CQP3 | 0          | N-term +42.01 Da,                         | 4453.277832 | 2 | 566.2999878 | 566.2949761 |
| SSVAVLTQESFAEHR                   | Q8VDJ3 | 0.00054585 | N-term +42.01 Da,                         | 4456.375    | 2 | 851.9199829 | 851.9233878 |
| AMKAVCVLKGDPVQGTIHFQEK            | P08228 | 0.03295311 | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 4459.544434 | 4 | 660.8499756 | 660.6066544 |
| ADEIAKAQVAQPGGDTIFGK              | P70349 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4460.946777 | 2 | 1057.560059 | 1057.560049 |
| ANHAPFETDISTLTR                   | Q9QXD6 | 0          | N-term +42.01 Da,                         | 4464.750488 | 2 | 858.4099731 | 857.9233878 |
| METILEQQR                         | Q9D554 | 0.0010582  | N-term +42.01 Da,                         | 4465.337891 | 2 | 595.2967529 | 595.2977161 |
| SSPAQPAVPAPLADLKIQH               | P24549 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4465.517578 | 2 | 1006.049988 | 1005.554569 |
| LEKLVSSVSDLPKR                    | P54869 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4467.910645 | 3 | 557.6599731 | 557.0013365 |
| TASSVLLHTGQKMPL                   | Q9JII6 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4469.719727 | 2 | 826.9549561 | 826.9556443 |
| AAQAVSLLR                         | Q8BJY1 | 0.04215359 | N-term +42.01 Da,                         | 4474.667969 | 2 | 486.2900085 | 485.7876436 |
| TASSVLLHTGQKMPL                   | Q9JII6 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4475.749512 | 3 | 551.6400146 | 551.6395217 |

|                             |        |            |   |             |   |             |             |
|-----------------------------|--------|------------|---|-------------|---|-------------|-------------|
| SSIKVECVLR                  | Q64374 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 4477.030273 | 2 | 630.3400269 | 630.8526583 |
| MDSSAVITQISKEEAR            | P58466 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4477.114746 | 2 | 917.960022  | 917.9643959 |
| LIGDAAKNQLTSNPENTVFDKR      | P20029 | 0.00657586 | N-term +42.01 Da, K +28.03 Da,            | 4479.297852 | 4 | 650.8499756 | 650.8474249 |
| AAVVLGGDTMGPGR              | Q64327 | 0          | N-term +42.01 Da,                         | 4479.512207 | 2 | 707.8499756 | 707.8533874 |
| AAQAVSLLR                   | Q8BJY1 | 0.00105708 | N-term +42.01 Da,                         | 4482.077637 | 2 | 485.7871399 | 485.7876436 |
| AALGSSSQNVTEYVVR            | Q3THK3 | 0          | N-term +42.01 Da,                         | 4485.711426 | 2 | 861.9299927 | 861.9364953 |
| ANHAPFETDISTLTR             | Q9QXD6 | 0.00053792 | N-term +42.01 Da,                         | 4492.225586 | 3 | 572.6099854 | 572.284684  |
| ANHAPFETDISTLTR             | Q9QXD6 | 0          | N-term +42.01 Da,                         | 4496.066406 | 2 | 858.4139404 | 857.9233878 |
| METILEQQR                   | Q9D554 | 0.00155119 | N-term +42.01 Da,                         | 4496.217285 | 2 | 595.2971191 | 595.2977161 |
| AQQAADKLYVDKNF              | Q8VDD5 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4496.966797 | 2 | 936.9799805 | 936.4805385 |
| TASSVLLHTGQKMPL             | Q9JII6 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4500.647461 | 2 | 826.9544067 | 826.9556443 |
| AAAAAASHLNLDALR             | Q8CH72 | 0          | N-term +42.01 Da,                         | 4503.182129 | 2 | 753.9000244 | 753.9048001 |
| MEVQCGGAGFIPESSR            | Q99JY3 | 0          | N-term +42.01 Da, C +57.02Da,             | 4505.242188 | 2 | 883.9000244 | 883.8954585 |
| TSALENYINR                  | Q6ZWM4 | 0          | N-term +42.01 Da,                         | 4512.779785 | 2 | 611.8099976 | 611.8067628 |
| AAQAVSLLR                   | Q8BJY1 | 0.00105708 | N-term +42.01 Da,                         | 4513.564941 | 2 | 485.7900085 | 485.7876436 |
| ATFVELSTK                   | P21300 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4514.623047 | 2 | 533.289978  | 533.2949677 |
| SSVAULTQESFAEHR             | Q8VDJ3 | 0.00147059 | N-term +42.01 Da,                         | 4523.556641 | 2 | 852.4400024 | 851.9233878 |
| ANHAPFETDISTLTR             | Q9QXD6 | 0          | N-term +42.01 Da,                         | 4527.383789 | 2 | 858.4099731 | 857.9233878 |
| TASSVLLHTGQKMPL             | Q9JII6 | 0.00148148 | N-term +42.01 Da, K +28.03 Da,            | 4530.903809 | 2 | 827.460022  | 826.9556443 |
| AAGFKTVEPLEYYR              | Q9D753 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4534.823242 | 2 | 857.9500122 | 857.4459668 |
| AELIQKQLQGEVEKY             | Q03958 | 0.00193705 | N-term +42.01 Da, K +28.03 Da,            | 4539.519043 | 3 | 635.3699951 | 634.703068  |
| SAGGAVPPPPNPAVSFPAPR        | Q8BI08 | 0          | N-term +42.01 Da,                         | 4540.144531 | 3 | 643.6699829 | 643.3390115 |
| AGMKTASGDYIDSSWELR          | Q8K1B8 | 0.0005596  | N-term +42.01 Da, K +28.03 Da,            | 4540.244141 | 2 | 1029.48999  | 1028.98586  |
| SAGGAVPPPPNPAVSFPAPR        | Q8BI08 | 0          | N-term +42.01 Da,                         | 4541.37793  | 2 | 964.5       | 964.5048791 |
| STGTFVVSQPLNYR              | Q9JLJ2 | 0          | N-term +42.01 Da,                         | 4544.112305 | 2 | 805.4000244 | 805.9122912 |
| MKVFTVGPLPAEGR              | Q91Z53 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4547.399902 | 2 | 787.4299927 | 786.4343472 |
| MKVFTVGPLPAEGR              | Q91Z53 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4548.511719 | 2 | 786.9299927 | 786.4343472 |
| VTLCNGTYEGLRRNKVGRNNEKLPTLK | P29812 | 0.0471464  | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 4549.929199 | 4 | 843.210022  | 843.2251462 |
| GSEAAQLLEAADFAAHKHR         | Q9D114 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4552.708984 | 3 | 698.0200195 | 698.0238636 |
| MEDIMQLPKAR                 | Q9CQ71 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4554.376953 | 2 | 701.3604736 | 701.3650758 |
| SAGGAVPPPPNPAVSFPAPR        | Q8BI08 | 0          | N-term +42.01 Da,                         | 4556.115234 | 2 | 965.5100098 | 964.5048791 |
| GSEAAQLLEAADFAAHKHR         | Q9D114 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4558.128418 | 4 | 524.0200195 | 523.7697168 |
| SAGGAVPPPPNPAVSFPAPR        | Q8BI08 | 0          | N-term +42.01 Da,                         | 4561.862305 | 3 | 644.0100098 | 643.3390115 |
| MDNLSPEEVQLR                | O09044 | 0          | N-term +42.01 Da,                         | 4570.38623  | 2 | 737.8599854 | 736.8561274 |
| AAGTSNYWEDLR                | O88630 | 0          | N-term +42.01 Da,                         | 4573.012207 | 2 | 712.8200073 | 712.8256844 |
| AGLSDELR                    | Q6DVA0 | 0.00150527 | N-term +42.01 Da,                         | 4573.087891 | 2 | 508.2737732 | 508.2745666 |
| MDGIVPDIAGVTKR              | P17225 | 0.00147783 | N-term +42.01 Da, K +28.03 Da,            | 4575.891602 | 2 | 771.9199829 | 771.4214372 |
| RDDVALEGVGHFFR              | P29391 | 0.00053447 | N-term +42.01 Da,                         | 4576.011719 | 3 | 554.6099854 | 553.9461136 |
| MDGIVPDIAGVTKR              | P17225 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4577.852539 | 2 | 771.921936  | 771.4214372 |
| MLGPEGGEGYVVKLR             | Q9Z2X1 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4579.033203 | 2 | 838.4500122 | 837.9478193 |

|                                   |        |            |   |             |   |             |             |
|-----------------------------------|--------|------------|---|-------------|---|-------------|-------------|
| STGTFVVSQPLNYR                    | Q9JLJ2 | 0          | N-term +42.01 Da,                         | 4592.373535 | 2 | 805.9095459 | 805.9122912 |
| EWMRSRVGTGLGLWVR                  | Q9JJN1 | 0.04605809 | N-term +42.01 Da,                         | 4601.511719 | 2 | 945.5227051 | 944.5041584 |
| AASEDELLLR                        | Q61249 | 0          | N-term +42.01 Da,                         | 4601.707031 | 2 | 628.3294678 | 628.3300709 |
| MDGIVPDIAVGTRK                    | P17225 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4607.662109 | 2 | 771.4199829 | 771.4214372 |
| MLGPEGGEGYVVKLR                   | Q9Z2X1 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4609.627441 | 2 | 837.9459839 | 837.9478193 |
| AELKYISGFGNECASEDPR               | O09173 | 0.00240385 | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 4610.342773 | 2 | 1107.51001  | 1107.012607 |
| SDSEKLNLDISIIGR                   | P62137 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4611.738281 | 2 | 808.9299927 | 808.9281388 |
| AELKYISGFGNECASEDPR               | O09173 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 4616.361328 | 3 | 738.3400269 | 738.3441632 |
| AAQIPESDQIKQFKEF                  | Q9WV98 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4622.433594 | 2 | 989.0183105 | 989.0200282 |
| AAEHPEPPKQELQLPPPPPGHYGAWAAQELQAR | Q3UJB0 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4626.367676 | 4 | 927.7199707 | 927.4745845 |
| MNAGSDPVVIVSAAR                   | Q8CAY6 | 0          | N-term +42.01 Da,                         | 4629.42627  | 2 | 765.3900146 | 764.893044  |
| STGTFVVSQPLNYR                    | Q9JLJ2 | 0          | N-term +42.01 Da,                         | 4630.791016 | 2 | 805.9099731 | 805.9122912 |
| AASEDELLLR                        | Q61249 | 0          | N-term +42.01 Da,                         | 4633.187988 | 2 | 628.3300171 | 628.3300709 |
| AAEHPEPPKQELQLPPPPPGHYGAWAAQELQAR | Q3UJB0 | 0.00153767 | N-term +42.01 Da, K +28.03 Da,            | 4637.573242 | 3 | 1236.969971 | 1236.29702  |
| AQWNQLQLDTR                       | P42227 | 0          | N-term +42.01 Da,                         | 4637.875    | 2 | 771.8800049 | 771.8866076 |
| AELKYISGFGNECASEDPR               | O09173 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 4640.888184 | 2 | 1107.011108 | 1107.012607 |
| LIGDAAKNQLTSNPENTVFDAKR           | P20029 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4641.73877  | 3 | 867.460022  | 867.4608078 |
| MDNLSPEEVQLR                      | O09044 | 0          | N-term +42.01 Da,                         | 4646.495117 | 2 | 736.8547363 | 736.8561274 |
| AELKYISGFGNECASEDPR               | O09173 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 4650.273438 | 3 | 738.3458252 | 738.3441632 |
| LIGDAAKNQVAMNPQNTVFDAKR           | P16627 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4650.868652 | 4 | 650.3499756 | 650.5969811 |
| GAAELMQQKEATTEQQLR                | Q35490 | 0.03533866 | N-term +42.01 Da, K +28.03 Da,            | 4651.117188 | 2 | 1052.02002  | 1051.530966 |
| AAEHPEPPKQELQLPPPPPGHYGAWAAQELQAR | Q3UJB0 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4657.811523 | 4 | 927.7199707 | 927.4745845 |
| LIGDAAKNQLTSNPENTVFDAKR           | P20029 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4657.91748  | 4 | 650.8499756 | 650.8474249 |
| MFSWVSKDAR                        | Q9WVK4 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4692.992676 | 2 | 648.8200073 | 648.8239007 |
| PMFIVNTNVP                        | P34884 | 0          | N-term +42.01 Da,                         | 4699.676758 | 2 | 666.3599854 | 665.3528253 |
| METDVTSDTVEVLPQHKFDLR             | Q80XL6 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4706.508301 | 3 | 844.4199829 | 844.0879826 |
| SGEDEQQEQTIAEDLVVTKYK             | P50580 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4709.12207  | 3 | 837.4199829 | 836.749913  |
| SGEDEQQEQTIAEDLVVTKYK             | P50580 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4709.977539 | 2 | 1255.119995 | 1254.621231 |
| MDAAGESEEPVSGEALSIAH              | Q9D0B6 | 0          | N-term +42.01 Da,                         | 4710.219727 | 2 | 1021.950012 | 1021.45459  |
| TEYKLVVVAGGCVGKSAL                | P08556 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4712.673828 | 2 | 924.039978  | 923.5378562 |
| SGEDEQQEQTIAEDLVVTKYK             | P50580 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4713.082031 | 2 | 1255.619995 | 1254.621231 |
| AGVDQHEGTIQVQGQNLFFR              | Q8VCR7 | 0          | N-term +42.01 Da,                         | 4714.456055 | 2 | 1144.569946 | 1143.566729 |
| AGVDQHEGTIQVQGQNLFFR              | Q8VCR7 | 0          | N-term +42.01 Da,                         | 4714.775879 | 3 | 763.0499878 | 762.7135781 |
| AEPWGNELASAAAR                    | Q60772 | 0          | N-term +42.01 Da,                         | 4715.965332 | 2 | 742.8599854 | 742.8600585 |
| AGVDQHEGTIQVQGQNLFFR              | Q8VCR7 | 0          | N-term +42.01 Da,                         | 4716.832031 | 3 | 762.710022  | 762.7135781 |
| RLEKNLNQALLDLHALGSAR              | P49945 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4721.592285 | 2 | 1152.640015 | 1151.653138 |
| MFSWVSKDAR                        | Q9WVK4 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4724.009766 | 2 | 648.8200073 | 648.8239007 |
| MDGIVPDIAVGTRK                    | P17225 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4724.620117 | 2 | 771.4200439 | 771.4214372 |
| AGVDQHEGTIQVQGQNLFFR              | Q8VCR7 | 0          | N-term +42.01 Da,                         | 4728.950684 | 2 | 1143.563843 | 1143.566729 |
| GASIVEDKLVEDLKTR                  | P26443 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4729.216309 | 3 | 625.0200195 | 624.3543276 |

|                                 |        |            |  |             |   |             |             |
|---------------------------------|--------|------------|--|-------------|---|-------------|-------------|
| AEELLER                         | P21981 | 0.03120992 | N-term +42.01 Da,                          | 4732.790039 | 2 | 507.7765198 | 507.7769421 |
| AQAPTVIVTQPGFVR                 | Q9JI48 | 0          | N-term +42.01 Da,                          | 4732.869141 | 2 | 813.4500122 | 813.4541258 |
| MKVFTVGTPLPAEGR                 | Q91Z53 | 0          | N-term +42.01 Da, K +28.03 Da,             | 4733.132324 | 2 | 786.9299927 | 786.4343472 |
| AELQEVQITEEKPLLPGQTPETAKEAELAAR | Q9QYGO | 0          | N-term +42.01 Da, K +28.03 Da,             | 4736.456055 | 3 | 1163.619995 | 1163.289198 |
| AELQEVQITEEKPLLPGQTPETAKEAELAAR | Q9QYGO | 0          | N-term +42.01 Da, K +28.03 Da,             | 4736.691895 | 4 | 872.9699707 | 872.7187175 |
| KFYGPEGPYGVFAGR                 | O55022 | 0          | N-term +42.01 Da, K +28.03 Da,             | 4736.88623  | 2 | 857.4400024 | 857.9330263 |
| VNFTVDQIR                       | P58252 | 0.0136612  | N-term +42.01 Da,                          | 4739.402344 | 2 | 567.2999878 | 567.3011157 |
| SSPAQPAVPAPLADLKIQHT            | P24549 | 0.00194081 | N-term +42.01 Da, K +28.03 Da,             | 4740.231934 | 2 | 1056.579956 | 1056.078409 |
| MHSLATAAPVPTALAQVDR             | Q9JKY0 | 0          | N-term +42.01 Da,                          | 4741.928711 | 2 | 997.0200195 | 996.0225791 |
| KDHNSNTEVEKFEVFSNMQR            | E9Q555 | 0.00150678 | N-term +42.01 Da, K +28.03 Da,             | 4743.380859 | 3 | 875.7700195 | 875.4185029 |
| AASVDLELKKAF                    | Q9CWM4 | 0          | N-term +42.01 Da, K +28.03 Da,             | 4745.068848 | 2 | 695.4000244 | 695.4030387 |
| AEPWGNELASAAAR                  | Q60772 | 0          | N-term +42.01 Da,                          | 4746.29541  | 2 | 742.8599854 | 742.8600585 |
| SSPAQPAVPAPLADLKIQH             | P24549 | 0          | N-term +42.01 Da, K +28.03 Da,             | 4746.380371 | 2 | 1005.549988 | 1005.554569 |
| AGVDQHEGTIQVQGNLFFR             | Q8VCR7 | 0          | N-term +42.01 Da,                          | 4747.385254 | 3 | 762.7115479 | 762.7135781 |
| SSPAQPAVPAPLADLKIQH             | P24549 | 0          | N-term +42.01 Da, K +28.03 Da,             | 4748.674316 | 3 | 671.039978  | 670.7054717 |
| LIFAGQLEDGR                     | P0CG49 | 0.01363017 | N-term +42.01 Da, K +28.03 Da,             | 4749.317871 | 2 | 708.4000244 | 708.8959121 |
| SSPAQPAVPAPLADLKIQH             | P24549 | 0          | N-term +42.01 Da, K +28.03 Da,             | 4751.243164 | 3 | 670.7000122 | 670.7054717 |
| METDVTSDTVEVLPQHKF              | Q80XL6 | 0          | N-term +42.01 Da, K +28.03 Da,             | 4755.393555 | 2 | 1074.02002  | 1073.522276 |
| MLNMWVKVR                       | Q5SUH6 | 0          | N-term +42.01 Da, K +28.03 Da,             | 4756.590332 | 2 | 574.3088379 | 574.309374  |
| MDGIVPDIAGVTKR                  | P17225 | 0.00193892 | N-term +42.01 Da, K +28.03 Da,             | 4758.614746 | 2 | 771.4199829 | 771.4214372 |
| GDPKEEEEEELVDPLTTVR             | P99028 | 0          | N-term +42.01 Da, K +28.03 Da,             | 4759.593262 | 2 | 1128.550049 | 1128.04991  |
| AGVDQHEGTIQVQGNLFFR             | Q8VCR7 | 0          | N-term +42.01 Da,                          | 4759.770508 | 2 | 1144.060059 | 1143.566729 |
| GDPKEEEEEELVDPLTTVR             | P99028 | 0          | N-term +42.01 Da, K +28.03 Da,             | 4762.966797 | 2 | 1129.050049 | 1128.04991  |
| AEELLER                         | P21981 | 0.03120992 | N-term +42.01 Da,                          | 4764.126465 | 2 | 507.7762756 | 507.7769421 |
| AEGEDVGWWR                      | Q80Y55 | 0          | N-term +42.01 Da,                          | 4764.882324 | 2 | 623.7800293 | 623.7780051 |
| AELQEVQITEEKPLLPGQTPETAKEAELAAR | Q9QYGO | 0          | N-term +42.01 Da, K +28.03 Da,             | 4767.222656 | 3 | 1163.959961 | 1163.289198 |
| AELQEVQITEEKPLLPGQTPETAKEAELAAR | Q9QYGO | 0          | N-term +42.01 Da, K +28.03 Da,             | 4767.297852 | 4 | 872.7182007 | 872.7187175 |
| ALHHHQRRRER                     | G3UXL8 | 0.02238806 | N-term +42.01 Da,                          | 4774.680664 | 2 | 769.4199829 | 769.4196081 |
| ADEIAKAQVAQPGGDTIFGKIIR         | P70349 | 0          | N-term +42.01 Da, K +28.03 Da,             | 4775.990234 | 3 | 833.1300049 | 832.7988718 |
| SSPAQPAVPAPLADLKIQH             | P24549 | 0          | N-term +42.01 Da, K +28.03 Da,             | 4777.37207  | 2 | 1005.553467 | 1005.554569 |
| MPPYTIYVFPVR                    | P19157 | 0          | N-term +42.01 Da,                          | 4777.986816 | 2 | 763.9099731 | 762.8996085 |
| SSPAQPAVPAPLADLKIQH             | P24549 | 0          | N-term +42.01 Da, K +28.03 Da,             | 4782.617188 | 3 | 670.7051392 | 670.7054717 |
| MEPEEGTPLWR                     | Q9CZG3 | 0          | N-term +42.01 Da,                          | 4787.604492 | 2 | 693.8200073 | 693.8215558 |
| AATAGGGPGAAAGAVGAGGAAAASGLAVYR  | P97496 | 0          | N-term +42.01 Da,                          | 4789.57373  | 3 | 805.4199829 | 805.0788089 |
| ASGVAVSDGVIKVFNDMKVR            | P18760 | 0.03175275 | N-term +42.01 Da, K +28.03 Da,             | 4790.035156 | 3 | 731.0599976 | 730.7365548 |
| MNTGEYNKLGSAIEEVS               | Q8BNX1 | 0          | N-term +42.01 Da, K +28.03 Da,             | 4796.907715 | 2 | 1034.51001  | 1034.504417 |
| ACGLVASNLNPKGEC                 | P16045 | 0          | N-term +42.01 Da, K +28.03 Da, C +57.02Da, | 4799.20166  | 2 | 887.9299927 | 886.9371262 |
| ACGLVASNLNPKGEC                 | P16045 | 0          | N-term +42.01 Da, K +28.03 Da, C +57.02Da, | 4800.010742 | 2 | 886.9400024 | 886.9371262 |
| MNMPQNRLWIK                     | Q9D9Y7 | 0.03095443 | N-term +42.01 Da, K +28.03 Da,             | 4802.540527 | 2 | 751.4000244 | 750.8943344 |
| AGVDQHEGTIQVQGNLFFR             | Q8VCR7 | 0          | N-term +42.01 Da,                          | 4804.821777 | 2 | 1144.569946 | 1143.566729 |

|   |        |            |   |             |   |             |             |
|---|--------|------------|---|-------------|---|-------------|-------------|
| ASKPTLNEVVIVSAIR                        | Q8QZT1 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4806.102051 | 2 | 884.5200195 | 884.0223732 |
| SSPAQPAVPAPLADLKIQH                     | P24549 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4807.625488 | 2 | 1005.559998 | 1005.554569 |
| AGVDQHEGTIQVQGQNLFFR                    | Q8VCR7 | 0          | N-term +42.01 Da,                         | 4807.893555 | 2 | 1143.560059 | 1143.566729 |
| ADPDVLTEVPAALKR                         | Q9D0D5 | 0.0101899  | N-term +42.01 Da, K +28.03 Da,            | 4811.746582 | 2 | 832.960022  | 832.9645239 |
| YGTMIYRNYENGNKYVVKALPGHLK               | P46425 | 0.02280702 | N-term +42.01 Da, K +28.03 Da,            | 4812.979492 | 3 | 1024.540039 | 1024.198819 |
| AASKPIEAMAAAAAPGSGNGVGGGGGTAGPGSGAGTLPR | Q9CZW5 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4813.185059 | 3 | 1131.219971 | 1130.567071 |
| SGSKYKPAPLATLPSTLDPAEYDVSPETR           | Q9CQC7 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4818.904785 | 3 | 1063.880005 | 1063.550241 |
| MNFSGKYQL                               | P12710 | 0.03179313 | N-term +42.01 Da, K +28.03 Da,            | 4824.442871 | 2 | 579.289978  | 579.2866196 |
| ASGVAVSDGVIKVFNDMKVR                    | P18760 | 0.01363636 | N-term +42.01 Da, K +28.03 Da,            | 4826.366699 | 3 | 731.4000244 | 730.7365548 |
| ADQLTEEQIAEFK                           | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4827.067383 | 2 | 796.9000244 | 796.3961402 |
| AEEQPQVELFVK                            | Q9Z1Q5 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4829.219727 | 2 | 743.8900146 | 743.8930356 |
| MKGAMEPEPEVLLQEAR                       | Q9Z2L7 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4832.965332 | 2 | 1000.01001  | 999.5053735 |
| AVFPSIVGR                               | P60710 | 0.00057637 | N-term +42.01 Da,                         | 4835.568848 | 2 | 494.7799988 | 494.2847366 |
| ASKPTLNEVVIVSAIR                        | Q8QZT1 | 0.03106383 | N-term +42.01 Da, K +28.03 Da,            | 4836.465332 | 2 | 884.0200195 | 884.0223732 |
| MKGAMEPEPEVLLQEAR                       | Q9Z2L7 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4837.255859 | 2 | 1000.52002  | 999.5053735 |
| AMKAVCVLKGDPVQGTIHFEQK                  | P08228 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 4837.625    | 3 | 880.460022  | 880.4731137 |
| ASGNAIQKSAPDFTATAVVDGAFKEIKLSDYR        | Q61171 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4846.64209  | 3 | 1185.619995 | 1185.28942  |
| MEPLYQQTNKQVQEIQSHMGR                   | O35166 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4852.284668 | 3 | 873.0900269 | 872.4283445 |
| AEELLER                                 | P21981 | 0.04327923 | N-term +42.01 Da,                         | 4855.373047 | 2 | 507.2799988 | 507.7769421 |
| AGLLKTTGLVGLAVCDTPHER                   | Q9CPP6 | 0.01356239 | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 4858.736328 | 4 | 609.5900269 | 609.3426206 |
| ALEGVGHFFR                              | P29391 | 0.01359927 | N-term +42.01 Da,                         | 4861.594238 | 2 | 588.8140869 | 587.8038252 |
| MKAVCVLKGDPVQGTIHFEQK                   | P08228 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 4864.814941 | 3 | 856.4500122 | 856.7940756 |
| MKAVCVLKGDPVQGTIHFEQK                   | P08228 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 4865.103027 | 3 | 857.1199951 | 856.7940756 |
| TEWEAATPAVAETPDIK                       | P97461 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4868.424316 | 2 | 950.4699707 | 949.972744  |
| AGLLKTTGLVGLAVCDTPHER                   | Q9CPP6 | 0.01358081 | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 4871.868652 | 3 | 812.4500122 | 812.1210686 |
| SSPAQPAVPAPLADLK                        | P24549 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4886.382324 | 2 | 816.4500122 | 816.4537919 |
| KFLPLFDR                                | Q64433 | 0.0033557  | N-term +42.01 Da, K +28.03 Da,            | 4902.200195 | 2 | 553.8200073 | 553.3238618 |
| ASGVAVSDGVIKVFNDMKVR                    | P18760 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4903.760742 | 3 | 731.4000244 | 730.7365548 |
| ADEIAKAQVAQPGGDTIFGKIIR                 | P70349 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4907.272949 | 3 | 833.1300049 | 832.7988718 |
| MDVNLAPLR                               | Q8R5J9 | 0          | N-term +42.01 Da,                         | 4908.218262 | 2 | 535.789978  | 535.7867866 |
| ADEIAKAQVAQPGGDTIFGKIIR                 | P70349 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4909.486328 | 4 | 624.8499756 | 624.8509729 |
| AAAVLSGASAGSPAGPGGGLSAVSGSPR            | Q9DBD5 | 0          | N-term +42.01 Da,                         | 4911.633301 | 3 | 849.4367676 | 849.4367737 |
| SSIGTYDLSASTFSPDGR                      | O70435 | 0          | N-term +42.01 Da,                         | 4912.724121 | 2 | 980.4500122 | 980.4501649 |
| ATAATEEPPFPFHGLLPKKTGASSFLCR            | Q64514 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 4914.522461 | 4 | 791.4099731 | 790.9088569 |
| GTPGTSAGALFLSSASAPSR                    | O70279 | 0          | N-term +42.01 Da,                         | 4919.072754 | 2 | 938.9699707 | 938.9736095 |
| AAVPELLEQQEEDR                          | Q9D8U8 | 0          | N-term +42.01 Da,                         | 4923.581055 | 2 | 835.9099731 | 834.9074037 |
| SSILPFTPPVVKR                           | Q62432 | 0.00104275 | N-term +42.01 Da, K +28.03 Da,            | 4925.23584  | 2 | 756.4500122 | 755.9532298 |
| IIGGSMDAKGSFPWQAK                       | Q61646 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4925.342773 | 3 | 631.3300171 | 630.9975978 |
| MKAVCVLKGDPVQGTIHFEQK                   | P08228 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 4926.599121 | 3 | 856.7800293 | 856.7940756 |
| IIGGSMDAKGSFPWQAK                       | Q61646 | 0.00056786 | N-term +42.01 Da, K +28.03 Da,            | 4928.087891 | 2 | 945.9923096 | 945.9927585 |

|                                      |        |            |   |             |   |             |             |
|--------------------------------------|--------|------------|---|-------------|---|-------------|-------------|
| AAGTLYTYPENWR                        | Q9D8N0 | 0          | N-term +42.01 Da,                         | 4929.763672 | 2 | 792.3800049 | 792.3780841 |
| VLELAGNAAR                           | Q8CGP4 | 0.00381679 | N-term +42.01 Da,                         | 4933.081055 | 2 | 528.2999878 | 528.2958332 |
| ADEIAKAQVAQPGGDTIFGKIIR              | P70349 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4938.980957 | 3 | 833.1300049 | 832.7988718 |
| ANVADTKLYDILGVPPGASENELKKAYR         | Q9QYJ0 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4941.919434 | 3 | 1053.910034 | 1053.57472  |
| AELVQGSAPVGMKAEGFVDALHR              | A2AJ71 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4942.483398 | 3 | 860.7800293 | 860.779483  |
| SSIGTYDLSASTFSPDGR                   | O70435 | 0          | N-term +42.01 Da,                         | 4943.674805 | 2 | 980.9500122 | 980.4501649 |
| ADEIAKAQVAQPGGDTIFGKIIR              | P70349 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4945.937988 | 4 | 625.0999756 | 624.8509729 |
| AELVQGSAPVGMKAEGFVDALHR              | A2AJ71 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4946.216797 | 3 | 861.1099854 | 860.779483  |
| ADEIAKAQVAQPGGDTIFGKIIR              | P70349 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4946.472656 | 2 | 1249.199951 | 1248.694669 |
| AVVLENGVLSR                          | P16331 | 0.00151057 | N-term +42.01 Da,                         | 4949.160156 | 2 | 599.8400269 | 599.8431479 |
| ADEIAKAQVAQPGGDTIFGKIIR              | P70349 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4950.269043 | 2 | 1249.699951 | 1248.694669 |
| VFISYRRNSGSQLASLLK                   | Q6PDS3 | 0.00056497 | N-term +42.01 Da, K +28.03 Da,            | 4952.043945 | 2 | 1055.589966 | 1055.094393 |
| ANVADTKLYDILGVPPGASENELKKAYR         | Q9QYJ0 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4953.552246 | 4 | 790.9299927 | 790.4328593 |
| MELSADYLR                            | Q8BGS2 | 0          | N-term +42.01 Da,                         | 4953.891602 | 2 | 570.7700195 | 570.2737095 |
| EGDVVKRTGAIVDVPGVEELLGR              | QD3265 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4959.270996 | 3 | 827.460022  | 826.7902651 |
| SFLKSFPPPGSADGLR                     | Q61189 | 0.03131703 | N-term +42.01 Da, K +28.03 Da,            | 4959.605469 | 2 | 872.9500122 | 873.4646909 |
| VLELAGNAAR                           | Q8CGP4 | 0.00149402 | N-term +42.01 Da,                         | 4964.329102 | 2 | 528.2956543 | 528.2958332 |
| AAGTLYTYPENWR                        | Q9D8N0 | 0          | N-term +42.01 Da,                         | 4964.533691 | 2 | 792.8800049 | 792.3780841 |
| ADEIAKAQVAQPGGDTIFGKIIR              | P70349 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4969.531738 | 3 | 832.7976074 | 832.7988718 |
| MDPSGVKVLETAEDIQER                   | P16546 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4970.135254 | 2 | 1044.02002  | 1044.0199   |
| ADEIAKAQVAQPGGDTIFGKIIR              | P70349 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4977.120117 | 4 | 625.3499756 | 624.8509729 |
| MDPSGVKVLETAEDIQER                   | P16546 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4977.299805 | 3 | 696.3499756 | 696.3490256 |
| SHVAVENALGLDQQFAGLDLNSSDNQSGGSTASKGR | Q62167 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4978.772461 | 4 | 926.2000122 | 925.9504002 |
| KGIKSVTELANGDTITNTMTLGDIVYKR         | P12710 | 0.00194458 | N-term +42.01 Da, K +28.03 Da,            | 4979.365723 | 4 | 774.4299927 | 774.1770647 |
| SHVAVENALGLDQQFAGLDLNSSDNQSGGSTASKGR | Q62167 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4981.135742 | 3 | 1234.599976 | 1234.264775 |
| ASASYHISNLEKMTSSDKDFR                | Q6ZQ38 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4981.461914 | 4 | 650.8300171 | 650.3271681 |
| AAVPELLEQQEEDR                       | Q9D8U8 | 0          | N-term +42.01 Da,                         | 4983.198242 | 2 | 835.4000244 | 834.9074037 |
| ANVADTKLYDILGVPPGASENELKKAYR         | Q9QYJ0 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4984.697266 | 4 | 790.9299927 | 790.4328593 |
| AAVPELLEQQEEDR                       | Q9D8U8 | 0          | N-term +42.01 Da,                         | 4985.132324 | 2 | 835.9099731 | 834.9074037 |
| SLPLNPKPF                            | P62307 | 0.01330886 | N-term +42.01 Da, K +28.03 Da,            | 4985.432129 | 2 | 541.8200073 | 541.8158698 |
| KGIKSVTELANGDTITNTMTLGDIVYKR         | P12710 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4987.383301 | 4 | 773.9299927 | 774.1770647 |
| AQEFVNCKIQSGKVVVF                    | Q9QUH0 | 0.00240154 | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 4988.558594 | 3 | 684.7000122 | 684.371324  |
| MEANVTIPIWQNKPH                      | Q9CWE0 | 0.0015015  | N-term +42.01 Da, K +28.03 Da,            | 4993.466797 | 2 | 924.4799805 | 924.4772754 |
| AQEFVNCKIQSGKVVVF                    | Q9QUH0 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 4993.810059 | 3 | 684.3699951 | 684.371324  |
| EVLELAGNAAR                          | Q8CGP4 | 0.00105652 | N-term +42.01 Da,                         | 4994.403809 | 2 | 592.8168335 | 592.8171303 |
| ANVADTKLYDILGVPPGASENELKKAYR         | Q9QYJ0 | 0          | N-term +42.01 Da, K +28.03 Da,            | 4997.080566 | 4 | 790.4299927 | 790.4328593 |
| TEGLQPASVVVLP                        | Q8BH86 | 0          | N-term +42.01 Da,                         | 4997.662598 | 2 | 754.4299927 | 754.4275768 |
| TASSVLLHTGQKMLPLIGLGTWKSEPGQVK       | Q9JII6 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5000.805176 | 4 | 798.4500122 | 798.1980656 |
| MDPSGVKVLETAEDIQER                   | P16546 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5001.809082 | 2 | 1044.019775 | 1044.0199   |
| AVEELQSIKR                           | Q8BZM1 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5003.329102 | 2 | 678.4000244 | 678.3982876 |

|                                      |         |            |   |             |   |             |             |
|--------------------------------------|---------|------------|---|-------------|---|-------------|-------------|
| ASGVAVSDGVKVFNDMKVR                  | P18760  | 0          | N-term +42.01 Da, K +28.03 Da,            | 5005.411621 | 3 | 731.0700073 | 730.7365548 |
| MDPSGVVKVLETAEDIQER                  | P16546  | 0          | N-term +42.01 Da, K +28.03 Da,            | 5007.765625 | 3 | 696.3479004 | 696.3490256 |
| ALLAEHLKPLPADR                       | Q9JL62  | 0          | N-term +42.01 Da, K +28.03 Da,            | 5014.521484 | 3 | 576.3400269 | 576.3453259 |
| ASLLKVDQEVKLVDSFR                    | P61290  | 0          | N-term +42.01 Da, K +28.03 Da,            | 5014.988281 | 4 | 551.0800171 | 551.0780553 |
| AAVPELLEQQEEDR                       | Q9D8U8  | 0          | N-term +42.01 Da,                         | 5015.598633 | 2 | 834.9065552 | 834.9074037 |
| AGVPTVSFSELR                         | E9VPY03 | 0.00152672 | N-term +42.01 Da,                         | 5015.674316 | 2 | 652.8449097 | 652.8458879 |
| EVLELAGNAAR                          | Q8CGP4  | 0.00056402 | N-term +42.01 Da,                         | 5025.071777 | 2 | 592.81604   | 592.8171303 |
| MMLGPEGGEGYVVKLR                     | Q9Z2X1  | 0.00611765 | N-term +42.01 Da, K +28.03 Da,            | 5026.437012 | 2 | 904.460022  | 903.4680618 |
| AMVSEFLKQAR                          | P10107  | 0          | N-term +42.01 Da, K +28.03 Da,            | 5030.600586 | 2 | 675.8699951 | 675.3659329 |
| ASGVAVSDGVKVFNDMKVR                  | P18760  | 0          | N-term +42.01 Da, K +28.03 Da,            | 5035.960938 | 3 | 731.0700073 | 730.7365548 |
| AESPAFLSAKDEGSFAYLTIKDR              | A6H630  | 0          | N-term +42.01 Da, K +28.03 Da,            | 5036.21875  | 3 | 872.4500122 | 872.1181591 |
| MMLGPEGGEGYVVKLR                     | Q9Z2X1  | 0          | N-term +42.01 Da, K +28.03 Da,            | 5040.369629 | 2 | 903.4699707 | 903.4680618 |
| ADQLTEEQIAEFKEA                      | P62204  | 0          | N-term +42.01 Da, K +28.03 Da,            | 5055.262207 | 2 | 896.4400024 | 896.4359944 |
| ADEIAKAQVAQPGGDTIFGKIIR              | P70349  | 0.00056883 | N-term +42.01 Da, K +28.03 Da,            | 5059.161621 | 3 | 833.460022  | 832.7988718 |
| AKDILGEAGLHFDELNKLR                  | Q61025  | 0          | N-term +42.01 Da, K +28.03 Da,            | 5059.239746 | 4 | 560.0599976 | 560.062671  |
| AKDILGEAGLHFDELNKLR                  | Q61025  | 0.0061263  | N-term +42.01 Da, K +28.03 Da,            | 5059.777344 | 3 | 746.4099731 | 746.4144692 |
| ASAMAGAGPAPGLPVAGGPVPGPGVGPVPGKSGEER | D3YYW8  | 0          | N-term +42.01 Da, K +28.03 Da,            | 5061.428223 | 4 | 809.6799927 | 809.428951  |
| ASLLKVDQEVKLVDSFR                    | P61290  | 0          | N-term +42.01 Da, K +28.03 Da,            | 5061.749023 | 4 | 551.5800171 | 551.0780553 |
| AMVSEFLKQAR                          | P10107  | 0          | N-term +42.01 Da, K +28.03 Da,            | 5062.491699 | 2 | 675.3654175 | 675.3659329 |
| SGEDEQQEQTIAEDLVVTKYKMGDIANR         | P50580  | 0          | N-term +42.01 Da, K +28.03 Da,            | 5065.699707 | 3 | 1108.540039 | 1108.208438 |
| MDNSGKQAEAMALLAEAER                  | Q9DB05  | 0          | N-term +42.01 Da, K +28.03 Da,            | 5071.324219 | 2 | 1053.5      | 1053.003727 |
| MDNSGKQAEAMALLAEAER                  | Q9DB05  | 0          | N-term +42.01 Da, K +28.03 Da,            | 5073.785156 | 3 | 702.6699829 | 702.3382435 |
| SIGVPIKVLHEAEGHIVTCETNTGEVYR         | P62320  | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5074.914551 | 4 | 795.6599731 | 795.4104927 |
| ELISNASDALDKIR                       | P08113  | 0          | N-term +42.01 Da, K +28.03 Da,            | 5079.663574 | 2 | 808.4299927 | 807.9385063 |
| ASGVAVSDGVKVFNDMKVR                  | P18760  | 0          | N-term +42.01 Da, K +28.03 Da,            | 5079.89502  | 3 | 731.0700073 | 730.7365548 |
| SSSAASPLFAPGEDCGPAWR                 | O35969  | 0          | N-term +42.01 Da, C +57.02Da,             | 5081.983398 | 2 | 1052.969971 | 1052.973284 |
| AAVLENGVLSR                          | P16331  | 0          | N-term +42.01 Da,                         | 5085.437988 | 2 | 635.3618774 | 635.361705  |
| AESDWDVTVTLR                         | Q9JMG1  | 0          | N-term +42.01 Da,                         | 5086.327637 | 2 | 717.3485718 | 717.3489925 |
| SIGVPIKVLHEAEGHIVTCETNTGEVYR         | P62320  | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5086.746094 | 4 | 795.4099731 | 795.4104927 |
| MDNKDEYLLNFKGY                       | O35403  | 0.00702576 | N-term +42.01 Da, K +28.03 Da,            | 5086.850586 | 3 | 616.6300049 | 616.6343254 |
| MEKTLETVPLER                         | O88569  | 0.00154959 | N-term +42.01 Da, K +28.03 Da,            | 5090.581055 | 2 | 758.4000244 | 758.4079956 |
| ADEALAGLDEGALR                       | Q921U8  | 0          | N-term +42.01 Da,                         | 5090.706055 | 2 | 722.3599854 | 721.8597245 |
| SSSAASPLFAPGEDCGPAWR                 | O35969  | 0          | N-term +42.01 Da, C +57.02Da,             | 5092.620605 | 3 | 702.3162231 | 702.3179481 |
| GLLEKLIKETEYDVR                      | Q61176  | 0.03292528 | N-term +42.01 Da, K +28.03 Da,            | 5093.786621 | 3 | 598.3267212 | 597.6681349 |
| SSPAQPAVPAPLADLKIQHTKIFINNEWHN       | P24549  | 0.02364273 | N-term +42.01 Da, K +28.03 Da,            | 5097.325684 | 4 | 859.460022  | 859.4609454 |
| ATAVVVNIKKLY                         | Q9DCL9  | 0.00053333 | N-term +42.01 Da, K +28.03 Da,            | 5097.871094 | 2 | 737.4564209 | 737.4556053 |
| SSPAQPAVPAPLADLKIQHTKIFINNEWHN       | P24549  | 0          | N-term +42.01 Da, K +28.03 Da,            | 5101.007324 | 3 | 1146.280029 | 1145.612168 |
| MEDIDQSSSLVSSSADSPRPPPAFKY           | Q99P72  | 0          | N-term +42.01 Da, K +28.03 Da,            | 5108.150879 | 3 | 965.1300049 | 964.4637784 |
| AEEEVTLDGKPLQALR                     | Q9JIX8  | 0          | N-term +42.01 Da, K +28.03 Da,            | 5108.300781 | 2 | 976.539978  | 976.5385853 |
| MDNKDEYLLNFKGY                       | O35403  | 0.04878049 | N-term +42.01 Da, K +28.03 Da,            | 5108.687012 | 2 | 924.4500122 | 924.4478498 |



|                            |        |            |   |             |   |             |             |
|----------------------------|--------|------------|---|-------------|---|-------------|-------------|
| ASGVAVSDGVKVFNDMKVR        | P18760 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5110.558594 | 3 | 730.7368774 | 730.7365548 |
| SKGPAVGIDLGTYSVGVFQH       | P63017 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5123.810547 | 2 | 1182.589966 | 1182.088648 |
| SKGPAVGIDLGTYSVGVFQH       | P63017 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5124.07959  | 3 | 788.4000244 | 788.3948578 |
| SKGPAVGIDLGTYSVGVFQH       | P63017 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5125.562988 | 2 | 1182.089966 | 1182.088648 |
| ASVALSEAEKVY               | Q9D0M0 | 0.00056561 | N-term +42.01 Da, K +28.03 Da,            | 5132.769043 | 2 | 668.8499756 | 668.853379  |
| WKPQKWSSCILVPESIRQGR       | Q6P4U0 | 0.03114334 | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5136.966797 | 2 | 1276.689941 | 1277.191573 |
| ADEIAKAQVAQPGDITFGKIIR     | P70349 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5139.305664 | 3 | 833.460022  | 832.7988718 |
| AHDQPLLVVQEALR             | Q499E6 | 0          | N-term +42.01 Da,                         | 5141.205566 | 2 | 816.4500122 | 815.9492078 |
| SSPAQPAVPAPLADLKIQHTKIF    | P24549 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5143.608398 | 3 | 843.1500244 | 843.1476121 |
| SSPAQPAVPAPLADLKIQHTKIF    | P24549 | 0.00148075 | N-term +42.01 Da, K +28.03 Da,            | 5154.519531 | 2 | 1264.719971 | 1264.21778  |
| SKGPAVGIDLGTYSVGVFQH       | P63017 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5156.682617 | 3 | 788.7299805 | 788.3948578 |
| SKGPAVGIDLGTYSVGVFQH       | P63017 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5156.790039 | 2 | 1182.079956 | 1182.088648 |
| AAVLENGVLSR                | P16331 | 0          | N-term +42.01 Da,                         | 5156.865723 | 2 | 635.3614502 | 635.361705  |
| AKPQVVVAPVLM SKL           | D3Z3J6 | 0.00054054 | N-term +42.01 Da, K +28.03 Da,            | 5162.753906 | 2 | 840.0200195 | 839.5204225 |
| AELEEVTLDGKPLQALR          | Q9JIX8 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5166.180176 | 2 | 977.039978  | 976.5385853 |
| PGSISWDGLDPGKLY            | Q8VIN1 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5166.281738 | 2 | 837.9199829 | 837.9223248 |
| ADKMDMSLDDI IKLNR          | O08583 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5170.665039 | 3 | 659.3400269 | 659.3445578 |
| SSLQELCSGLPLRPLPENR        | Q8VC12 | 0          | N-term +42.01 Da, C +57.02Da,             | 5174.115234 | 3 | 737.0499878 | 736.719564  |
| ASGVAVSDGVKVFNDMKVR        | P18760 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5174.453125 | 3 | 730.7399902 | 730.7365548 |
| SSLQELCSGLPLRPLPENR        | Q8VC12 | 0          | N-term +42.01 Da, C +57.02Da,             | 5175.886719 | 3 | 737.3900146 | 736.719564  |
| ADKMDMSLDDI IKLNR          | O08583 | 0.01373626 | N-term +42.01 Da, K +28.03 Da,            | 5176.727539 | 2 | 989.0100098 | 988.5131985 |
| IVANGKILAAESVGTMGNR        | Q91Y97 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5180.410645 | 2 | 1071.560059 | 1072.062433 |
| ADKMDMSLDDI IKLNR          | O08583 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5181.991699 | 2 | 988.5100098 | 988.5131985 |
| DTITNTMTLGDIVYKR           | P12710 | 0.00055648 | N-term +42.01 Da, K +28.03 Da,            | 5182.499512 | 2 | 956.9841919 | 955.9982385 |
| DDIAALVVDNGSGMCKAGFAGDDAPR | P60710 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5184.344727 | 3 | 937.0900269 | 936.4252179 |
| DDIAALVVDNGSGMCKAGFAGDDAPR | P60710 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5186.411621 | 2 | 1404.630005 | 1404.134189 |
| AAVLENGVLSR                | P16331 | 0          | N-term +42.01 Da,                         | 5187.631836 | 2 | 635.3609619 | 635.361705  |
| SKGPAVGIDLGTYSVGVFQH       | P63017 | 0.01061375 | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5187.757813 | 2 | 1182.589966 | 1182.088648 |
| SKGPAVGIDLGTYSVGVFQH       | P63017 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5188.638184 | 3 | 788.7299805 | 788.3948578 |
| AGLELLSDQGYR               | Q92119 | 0          | N-term +42.01 Da,                         | 5197.847168 | 2 | 682.3499756 | 682.3462524 |
| MLGGLGKLA AEGLAHR          | Q8CF02 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5199.316895 | 3 | 555.3126831 | 555.3152607 |
| MLGGLGKLA AEGLAHR          | Q8CF02 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5201.868652 | 2 | 832.9699707 | 832.4692528 |
| SDVLELTDEFESR              | P27773 | 0          | N-term +42.01 Da,                         | 5205.740723 | 2 | 849.4000244 | 848.3890442 |
| SSLQELCSGLPLRPLPENR        | Q8VC12 | 0          | N-term +42.01 Da, C +57.02Da,             | 5209.929199 | 3 | 737.0499878 | 736.719564  |
| ADGELNVDSLITR              | P62141 | 0          | N-term +42.01 Da,                         | 5213.698242 | 2 | 722.8674927 | 722.8675495 |
| MEEAEGVAAAPGPASGLAFR       | Q9CQV4 | 0          | N-term +42.01 Da,                         | 5215.159668 | 2 | 987.4699707 | 986.9752949 |
| AGTVVLDDELVR               | P25206 | 0          | N-term +42.01 Da,                         | 5218.546387 | 2 | 664.8540039 | 664.856453  |
| AAATAAAAAAAAAAGEGMEPR      | Q9R0A1 | 0          | N-term +42.01 Da,                         | 5218.653809 | 2 | 886.4299927 | 885.9256047 |
| MEEAHLISAADVLR             | Q64518 | 0          | N-term +42.01 Da,                         | 5219.447754 | 2 | 799.4099731 | 798.9061516 |
| TAIIEIVSR                  | O08586 | 0.00053505 | N-term +42.01 Da, K +28.03 Da,            | 5220.653809 | 2 | 600.3699951 | 600.371541  |

|                                   |        |            |  |             |   |             |             |
|-----------------------------------|--------|------------|--|-------------|---|-------------|-------------|
| AAVLENGVLSR                       | P16331 | 0          | N-term +42.01 Da,                          | 5221.566406 | 2 | 635.3599854 | 635.361705  |
| AGLELLSDQGYR                      | Q921I9 | 0.00104877 | N-term +42.01 Da,                          | 5222.836426 | 2 | 683.3599854 | 682.3462524 |
| TSASKAVELQLQVKHNAEELQDFMR         | Q9D706 | 0          | N-term +42.01 Da, K +28.03 Da,             | 5223.546875 | 4 | 743.8900146 | 743.3892943 |
| AGLELLSDQGYR                      | Q921I9 | 0.03372681 | N-term +42.01 Da,                          | 5224.731445 | 2 | 681.8499756 | 682.3462524 |
| AGKSSLFKIILLGDGGVGKSSLMNR         | Q9R0M6 | 0.00612053 | N-term +42.01 Da, K +28.03 Da,             | 5234.727051 | 4 | 669.8900146 | 669.3885653 |
| DDDIAALVVDNGSGMCKAGFAGDDAPR       | P60710 | 0          | N-term +42.01 Da, K +28.03 Da, C +57.02Da, | 5246.172363 | 3 | 937.0900269 | 936.4252179 |
| DDDIAALVVDNGSGMCKAGFAGDDAPR       | P60710 | 0          | N-term +42.01 Da, K +28.03 Da, C +57.02Da, | 5248.533691 | 2 | 1405.119995 | 1404.134189 |
| AELEEVTLDGKPLQALR                 | Q9JIX8 | 0          | N-term +42.01 Da, K +28.03 Da,             | 5248.905762 | 2 | 977.039978  | 976.5385853 |
| DDDIAALVVDNGSGMCKAGFAGDDAPR       | P60710 | 0          | N-term +42.01 Da, K +28.03 Da, C +57.02Da, | 5250.745117 | 3 | 936.7600098 | 936.4252179 |
| AAKVFESIGKF                       | P67778 | 0.00055835 | N-term +42.01 Da, K +28.03 Da,             | 5251.05957  | 2 | 648.3800049 | 647.8739165 |
| AELEEVTLDGKPLQALR                 | Q9JIX8 | 0          | N-term +42.01 Da, K +28.03 Da,             | 5254.65625  | 3 | 651.3599854 | 651.3614823 |
| ADIDKLNIDSIIQR                    | P63087 | 0          | N-term +42.01 Da, K +28.03 Da,             | 5262.289551 | 2 | 842.9699707 | 842.4674309 |
| AVAAAAAATAMSAAGGGGASAAR           | Q8CG72 | 0          | N-term +42.01 Da,                          | 5264.395508 | 2 | 937.4622192 | 937.4628858 |
| PGSISWDGLDPGKLY                   | Q8VIN1 | 0          | N-term +42.01 Da, K +28.03 Da,             | 5267.983398 | 2 | 837.9099731 | 837.9223248 |
| MEAQAQGLLETEPLQGR                 | O54818 | 0          | N-term +42.01 Da,                          | 5269.617676 | 2 | 957.4799805 | 956.9752949 |
| AAKVFESIGKF                       | P67778 | 0.00054113 | N-term +42.01 Da, K +28.03 Da,             | 5282.562988 | 2 | 647.8727417 | 647.8739165 |
| MEGVDCSMALADAAAGSPR               | Q8VCN9 | 0          | N-term +42.01 Da, C +57.02Da,              | 5283.310059 | 2 | 975.9199829 | 975.9213481 |
| SKGPAVGIDLGTTCVGVFQHGKVEIANDQGNR  | P63017 | 0          | N-term +42.01 Da, K +28.03 Da, C +57.02Da, | 5286.917969 | 4 | 947.4799805 | 947.2374457 |
| ELISNASDALDKIR                    | P08113 | 0          | N-term +42.01 Da, K +28.03 Da,             | 5287.334473 | 2 | 808.9299927 | 807.9385063 |
| FDRDDVALEGVGHFFR                  | P29391 | 0.00240269 | N-term +42.01 Da,                          | 5288.142578 | 3 | 641.9699707 | 641.3112331 |
| YYDMMDLKVAIADKLR                  | Q6ZPU9 | 0.03111679 | N-term +42.01 Da, K +28.03 Da,             | 5292.099609 | 2 | 1023.030029 | 1022.036309 |
| AFPSLSAGQNPWR                     | Q8K4H1 | 0          | N-term +42.01 Da,                          | 5292.302246 | 2 | 736.866394  | 736.867686  |
| MELVEVLR                          | Q7TMF3 | 0.00057274 | N-term +42.01 Da, K +28.03 Da,             | 5294.506348 | 2 | 593.8499756 | 593.8468443 |
| PGSISWDGLDPGKLY                   | Q8VIN1 | 0.0005423  | N-term +42.01 Da, K +28.03 Da,             | 5298.797363 | 2 | 837.9199829 | 837.9223248 |
| SGALDVLQMKKEEDVLK                 | P14206 | 0.00053533 | N-term +42.01 Da, K +28.03 Da,             | 5299.121094 | 2 | 937.5       | 937.0029895 |
| DDDIAALVVDNGSGMCKAGFAGDDAPR       | P60710 | 0          | N-term +42.01 Da, K +28.03 Da, C +57.02Da, | 5300.339355 | 2 | 1404.630005 | 1404.134189 |
| SEPGGGEDGSAGLEVSAVQNVADVAVLQKHLR  | Q9JHU4 | 0          | N-term +42.01 Da, K +28.03 Da,             | 5300.44043  | 3 | 1087.560059 | 1087.223299 |
| AAVLQQVLERPELNKLPKSTQN            | Q7M739 | 0.01358696 | N-term +42.01 Da, K +28.03 Da,             | 5312.936523 | 3 | 858.8200073 | 858.8253095 |
| AAVLENGVLSR                       | P16331 | 0          | N-term +42.01 Da,                          | 5313.061035 | 2 | 635.3599854 | 635.361705  |
| DDDIAALVVDNGSGMCKAGFAGDDAPR       | P60710 | 0          | N-term +42.01 Da, K +28.03 Da, C +57.02Da, | 5316.02002  | 3 | 937.0900269 | 936.4252179 |
| AAPEDDVAALQAEITR                  | A2BDX3 | 0          | N-term +42.01 Da,                          | 5319.604004 | 2 | 798.9099731 | 798.9150312 |
| AAVLQQVLERPELNKLPKSTQN            | Q7M739 | 0.00053191 | N-term +42.01 Da, K +28.03 Da,             | 5320.133789 | 3 | 859.4899902 | 858.8253095 |
| VHLTDAEKAASVSLWGKVNSEVGGGEALGR    | P02088 | 0          | N-term +42.01 Da, K +28.03 Da, C +57.02Da, | 5321.501465 | 4 | 817.9199829 | 817.4173122 |
| AFPSLSAGQNPWR                     | Q8K4H1 | 0          | N-term +42.01 Da,                          | 5323.07373  | 2 | 736.866272  | 736.867686  |
| ASGVAVSDGVIKVFNDMKVR              | P18760 | 0.01359311 | N-term +42.01 Da, K +28.03 Da,             | 5323.840332 | 3 | 731.0599976 | 730.7365548 |
| MELVEVLR                          | Q7TMF3 | 0.00057307 | N-term +42.01 Da, K +28.03 Da,             | 5326.750488 | 2 | 593.8455811 | 593.8468443 |
| SEPGGGEDGSAGLEVSAVQNVADVAVLQKHLR  | Q9JHU4 | 0          | N-term +42.01 Da, K +28.03 Da,             | 5334.004395 | 3 | 1087.550049 | 1087.223299 |
| ASGNAQIGKSAPDFTATAVVDGAFKEIKLSDYR | Q61171 | 0          | N-term +42.01 Da, K +28.03 Da,             | 5339.133301 | 4 | 889.460022  | 889.2188845 |
| SSLQELCSGLPLR                     | Q8VC12 | 0          | N-term +42.01 Da, C +57.02Da,              | 5339.974121 | 2 | 752.3900146 | 751.3875945 |
| ASGVAVSDGVIKVFN                   | P18760 | 0          | N-term +42.01 Da, K +28.03 Da,             | 5343.071777 | 2 | 766.9199829 | 766.9195847 |

|                                |        |            |   |             |   |             |             |
|--------------------------------|--------|------------|---|-------------|---|-------------|-------------|
| SEPGGEDGSAGLEVSQVAVLQKHLR      | Q9JHU4 | 0.00837599 | N-term +42.01 Da, K +28.03 Da,            | 5346.06543  | 3 | 1087.890015 | 1087.223299 |
| SVPLLTDAATVSGAER               | Q9WTL7 | 0          | N-term +42.01 Da,                         | 5348.361328 | 2 | 814.927002  | 814.9281388 |
| DDDIAALVVDNGSGMCKAGFAGDDAPR    | P60710 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5348.772949 | 3 | 937.0800171 | 936.4252179 |
| DDDIAALVVDNGSGMCKAGFAGDDAPR    | P60710 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5350.128418 | 2 | 1405.130005 | 1404.134189 |
| ASValseaekvYIVHGVQEDLR         | Q9DOM0 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5354.189941 | 3 | 828.4400024 | 828.4428653 |
| DGFNSTRKNSFPHSLR               | Q88466 | 0.03182011 | N-term +42.01 Da, K +28.03 Da,            | 5354.432129 | 2 | 966.4799805 | 966.987385  |
| TAIPDVKLQLLAR                  | Q8BQ30 | 0.00054407 | N-term +42.01 Da, K +28.03 Da,            | 5361.90918  | 2 | 797.9699707 | 797.9694114 |
| SILYVSPHPDAFPSLR               | Q9Z1Q9 | 0          | N-term +42.01 Da,                         | 5362.019531 | 2 | 920.982605  | 920.983248  |
| AASTDIAGLEESFR                 | Q9CRB6 | 0          | N-term +42.01 Da,                         | 5362.237793 | 2 | 754.8699951 | 754.865007  |
| MDAATLTDTLR                    | Q8BGE6 | 0          | N-term +42.01 Da,                         | 5365.748047 | 2 | 706.8369751 | 706.8399458 |
| MNFSGKYQLQSQENFEPFMK           | P12710 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5370.179688 | 2 | 1276.109985 | 1276.103441 |
| MNFSGKYQLQSQENFEPFMK           | P12710 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5374.000977 | 3 | 851.0700073 | 851.0713864 |
| AGVSPAVFGCPDVTLGR              | Q5I2A0 | 0          | N-term +42.01 Da, C +57.02Da,             | 5378.623535 | 2 | 872.9398804 | 872.9379832 |
| ASGVAVSDGVIKVFNDMKVR           | P18760 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5379.578613 | 3 | 730.7365112 | 730.7365548 |
| TELQSALLR                      | P62254 | 0.00057537 | N-term +42.01 Da,                         | 5379.691895 | 2 | 593.343811  | 593.3455234 |
| DDDIAALVVDNGSGMCKAGFAGDDAPR    | P60710 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5381.044434 | 2 | 1404.630005 | 1404.134189 |
| DDDIAALVVDNGSGMCKAGFAGDDAPR    | P60710 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5384.960938 | 3 | 936.4199829 | 936.4252179 |
| AEAALLPPEAAAER                 | E9QL65 | 0.00053305 | N-term +42.01 Da,                         | 5385.160156 | 2 | 783.4199829 | 782.4224918 |
| VNPTVFFDITADDEPLGR             | P17742 | 0.00195027 | N-term +42.01 Da,                         | 5385.508789 | 2 | 1025.51001  | 1024.5022   |
| AEAALLPPEAAAER                 | E9QL65 | 0          | N-term +42.01 Da,                         | 5388.787598 | 2 | 782.9199829 | 782.4224918 |
| NKCEFLVGVGDGK                  | Q8BNV1 | 0.04950495 | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5392.590332 | 2 | 811.4199829 | 810.4267197 |
| SVPLLTDAATVSGAER               | Q9WTL7 | 0          | N-term +42.01 Da,                         | 5392.695801 | 2 | 815.4299927 | 814.9281388 |
| VELGNDAMDFEDDSCPPEIANGYVEHLVR  | Q61646 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5396.196777 | 4 | 897.9099731 | 897.4170812 |
| AELQEVQITEEKPLLPQTPETAKEAELAAR | Q9QYG0 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5396.629883 | 3 | 1163.939941 | 1163.289198 |
| ASPAAGGVVIVGSLIGR              | Q99KP3 | 0          | N-term +42.01 Da,                         | 5397.687988 | 2 | 811.9627686 | 811.9648579 |
| MNFSGKYQLQSQENFEPFMK           | P12710 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5401.140137 | 2 | 1276.599976 | 1276.103441 |
| TELQSALLR                      | P62254 | 0.00055928 | N-term +42.01 Da,                         | 5411.091309 | 2 | 593.3448486 | 593.3455234 |
| DDDIAALVVDNGSGMCKAGFAGDDAPR    | P60710 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5411.596191 | 2 | 1404.625    | 1404.134189 |
| DDDIAALVVDNGSGMCKAGFAGDDAPR    | P60710 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5416.722656 | 3 | 936.7523804 | 936.4252179 |
| ASGVTVNDEVIKVFNDMKVR           | P45591 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5418.547363 | 3 | 774.4099731 | 773.7507528 |
| DDDIAALVVDNGSGMCKAGFAGDDAPR    | P60710 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5423.605469 | 4 | 703.0700073 | 702.5707325 |
| MEPEPEVLLQEAR                  | Q9Z2L7 | 0          | N-term +42.01 Da,                         | 5426.769043 | 2 | 791.8900146 | 791.8927101 |
| MNFSGKYQLQSQENFEPFMK           | P12710 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5433.26709  | 2 | 1276.609985 | 1276.103441 |
| MNFSGKYQLQSQENFEPFMK           | P12710 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5435.61377  | 2 | 1276.099976 | 1276.103441 |
| DDDIAALVVDNGSGMCKAGFAGDDAPR    | P60710 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5442.068848 | 2 | 1404.131348 | 1404.134189 |
| ASGVAVSDGVIKVFNDMKVR           | P18760 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5443.21582  | 3 | 731.0700073 | 730.7365548 |
| CDFTEDQTAEFKEAF                | Q60605 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5444.969238 | 2 | 954.4000244 | 954.4038372 |
| MDASLEKIADPTLAEMGKN            | Q99K01 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5445.75293  | 2 | 1066.540039 | 1066.534329 |
| MDILKSEILR                     | Q8BM39 | 0.00104439 | N-term +42.01 Da, K +28.03 Da,            | 5446.100098 | 2 | 644.8699951 | 644.3706839 |
| DDDIAALVVDNGSGMCKAGFAGDDAPR    | P60710 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5447.375977 | 3 | 936.4233398 | 936.4252179 |

|                                  |        |            |   |             |   |             |             |
|----------------------------------|--------|------------|---|-------------|---|-------------|-------------|
| ACGLVASNLNLKPGECL                | P16045 | 0.01961658 | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5452.835938 | 2 | 943.9899902 | 943.4791583 |
| ATESSPLTTHVLDTASGLPAQGLCLR       | Q9CRB3 | 0          | N-term +42.01 Da, C +57.02Da,             | 5454.611328 | 3 | 913.460022  | 913.1323627 |
| ATESSPLTTHVLDTASGLPAQGLCLR       | Q9CRB3 | 0          | N-term +42.01 Da, C +57.02Da,             | 5455.001953 | 2 | 1369.189941 | 1369.194906 |
| MNFSGKYQLQSQENFEPFMK             | P12710 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5458.593262 | 3 | 851.7399902 | 851.0713864 |
| ATESSPLTTHVLDTASGLPAQGLCLR       | Q9CRB3 | 0          | N-term +42.01 Da, C +57.02Da,             | 5461.646973 | 2 | 1369.193481 | 1369.194906 |
| ATLTVVQPLTLDR                    | Q8JZS0 | 0.00055006 | N-term +42.01 Da,                         | 5465.70166  | 2 | 735.4199829 | 734.9221272 |
| ATLTVVQPLTLDR                    | Q8JZS0 | 0          | N-term +42.01 Da,                         | 5467.141113 | 2 | 734.9234619 | 734.9221272 |
| MQNDAGEFVDLYVPR                  | Q9CQR2 | 0          | N-term +42.01 Da,                         | 5470.204102 | 2 | 899.4199829 | 898.4196237 |
| MNLSAAHHQISLSDGNNIPLIGLTYS DPR   | Q8VCX1 | 0.01963409 | N-term +42.01 Da,                         | 5471.820801 | 3 | 1079.209961 | 1078.538452 |
| DDDIAALVVDNGSGMCKAGFAGDDAPR      | P60710 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5472.570313 | 2 | 1405.130005 | 1404.134189 |
| MNLSAAHHQISLSDGNNIPLIGLTYS DPR   | Q8VCX1 | 0.00055741 | N-term +42.01 Da,                         | 5473.994141 | 3 | 1078.540039 | 1078.538452 |
| MNFSGKYQLQSQENFEPFMK             | P12710 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5474.849121 | 2 | 1277.109985 | 1276.103441 |
| CDFTEDQTAEFKEAF                  | Q60605 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5475.54541  | 2 | 954.4000244 | 954.4038372 |
| DDDIAALVVDNGSGMCKAGFAGDDAPR      | P60710 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5477.79834  | 3 | 936.75      | 936.4252179 |
| KRHIDVRR                         | C3VD30 | 0.02448623 | N-term +42.01 Da, K +28.03 Da,            | 5481.550781 | 2 | 575.8428345 | 575.3518078 |
| ASGVAVSDGVIKVFNDMKVR             | P18760 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5483.672363 | 3 | 730.7299805 | 730.7365548 |
| ATESSPLTTHVLDTASGLPAQGLCLR       | Q9CRB3 | 0          | N-term +42.01 Da, C +57.02Da,             | 5485.306641 | 3 | 913.4699707 | 913.1323627 |
| DDDIAALVVDNGSGMCK                | P60710 | 0.00151439 | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5485.431152 | 2 | 926.4199829 | 925.4189641 |
| ASGVAVSDGVIKVFNDMKVR             | P18760 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5485.67627  | 3 | 731.4000244 | 730.7365548 |
| MQNDAGEFVDLYVPR                  | Q9CQR2 | 0          | N-term +42.01 Da,                         | 5485.780762 | 2 | 898.9199829 | 898.4196237 |
| MESELEALAPR                      | Q9CYS6 | 0          | N-term +42.01 Da,                         | 5487.71582  | 2 | 644.3200073 | 644.3161062 |
| SKGPAVGIDLGTYSVGVFQHGKVEIANDQGNR | P63017 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5487.84375  | 4 | 947.4899902 | 947.2374457 |
| MNFSGKYQLQSQENFEPFMK             | P12710 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5490.838867 | 3 | 851.4000244 | 851.0713864 |
| ATESSPLTTHVLDTASGLPAQGLCLR       | Q9CRB3 | 0          | N-term +42.01 Da, C +57.02Da,             | 5492.433105 | 2 | 1369.195557 | 1369.194906 |
| ASGVAVSDGVIKVFNDMKVR             | P18760 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5494.810547 | 2 | 1096.099976 | 1095.601194 |
| AIGDTLVQDIR                      | Q9CXN7 | 0.0015121  | N-term +42.01 Da,                         | 5496.672363 | 2 | 622.3441162 | 621.8380629 |
| ASGVAVSDGVIKVFNDMKVR             | P18760 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5496.911621 | 2 | 1095.599976 | 1095.601194 |
| MNFSGKYQLQSQENFEPFMK             | P12710 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5497.11084  | 3 | 851.75      | 851.0713864 |
| VDYEVVLGVQR                      | O54946 | 0          | N-term +42.01 Da,                         | 5499.544922 | 2 | 692.3499756 | 691.8511705 |
| LLADAVAVTMGPKGR                  | P63038 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5501.597168 | 2 | 785.9343872 | 784.9450792 |
| DDDIAALVVDNGSGMCKAGFAGDDAPR      | P60710 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5508.642578 | 3 | 937.0900269 | 936.4252179 |
| ASGVAVSDGVIKVF                   | P18760 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5510.421875 | 2 | 709.9000244 | 709.8981206 |
| SEPGGGEDGSAGLEVS AVQNVADVAVLQKH  | Q9JHU4 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5511.636719 | 3 | 998.1599731 | 997.4949066 |
| CDFTEDQTAEFKEAF                  | Q60605 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5514.581055 | 2 | 955.4099731 | 954.4038372 |
| SGEDEQQEQTIAEDLVVTKY             | P50580 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5515.753418 | 3 | 784.710022  | 784.7078251 |
| ASGVAVSDGVIKVFNDMKVR             | P18760 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5517.055664 | 3 | 730.7359009 | 730.7365548 |
| DDDIAALVVDNGSGMCK                | P60710 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5517.138184 | 2 | 925.418396  | 925.4189641 |
| SGEDEQQEQTIAEDLVVTKY             | P50580 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5517.487793 | 2 | 1177.560059 | 1176.558099 |
| MESELEALAPR                      | Q9CYS6 | 0          | N-term +42.01 Da,                         | 5518.373047 | 2 | 644.3151245 | 644.3161062 |
| ADDVDQQQTNTNVEEPLDIR             | P62311 | 0          | N-term +42.01 Da,                         | 5519.134277 | 3 | 815.3900146 | 814.7258789 |

|                                   |         |            |  |             |   |             |             |
|-----------------------------------|---------|------------|--|-------------|---|-------------|-------------|
| AETLSGLGDASAAGAAAVSSAASETGTR      | D3YXK2  | 0          | N-term +42.01 Da,                          | 5519.980957 | 2 | 1262.099976 | 1261.104269 |
| AETLSGLGDASAAGAAAVSSAASETGTR      | D3YXK2  | 0          | N-term +42.01 Da,                          | 5521.273438 | 2 | 1261.099976 | 1261.104269 |
| MNFSGKYQLQSQENFEPFMK              | P12710  | 0.00154321 | N-term +42.01 Da, K +28.03 Da,             | 5527.54834  | 2 | 1276.609985 | 1276.103441 |
| ASGVAVSDGVIKVFNDMKVR              | P18760  | 0          | N-term +42.01 Da, K +28.03 Da,             | 5528.236816 | 2 | 1096.099976 | 1095.601194 |
| VALEGVGHFFR                       | P29391  | 0.0005711  | N-term +42.01 Da,                          | 5529.825195 | 2 | 638.3300171 | 637.3380323 |
| MNFSGKYQLQSQENFEPFMK              | P12710  | 0          | N-term +42.01 Da, K +28.03 Da,             | 5530.518066 | 3 | 851.4099731 | 851.0713864 |
| TTS GALF PSLVPGSR                 | Q9JKV1  | 0          | N-term +42.01 Da,                          | 5533.993164 | 2 | 767.4099731 | 766.4093842 |
| VHLTDAEKA AVSCLWGKVNSDEVGGEALGR   | P02088  | 0          | N-term +42.01 Da, K +28.03 Da, C +57.02Da, | 5534.224609 | 4 | 817.9099731 | 817.4173122 |
| DDDIAALVVDNGSGMCKAGFAGDDAPR       | P60710  | 0          | N-term +42.01 Da, K +28.03 Da, C +57.02Da, | 5536.599609 | 2 | 1404.630005 | 1404.134189 |
| PFPDGLAEDIDKGEVSAR                | P58252  | 0          | N-term +42.01 Da, K +28.03 Da,             | 5538.380371 | 2 | 993         | 993.4943751 |
| MNFSGKYQLQSQENFEPFMK              | P12710  | 0          | N-term +42.01 Da, K +28.03 Da,             | 5538.619629 | 3 | 851.7399902 | 851.0713864 |
| ATLKDQLIVNLLKKEEQAPQNKIT          | P06151  | 0.01959911 | N-term +42.01 Da, K +28.03 Da,             | 5546.443359 | 3 | 912.2000122 | 911.8635417 |
| ASGVAVSDGVIKVFNDMKVR              | P18760  | 0          | N-term +42.01 Da, K +28.03 Da,             | 5548.203125 | 3 | 730.7399902 | 730.7365548 |
| KAKEQEAPEEQEEDSSDPRLR             | Q9CQU1  | 0.04645375 | N-term +42.01 Da, K +28.03 Da,             | 5548.586426 | 3 | 929.1199951 | 929.1089407 |
| MESELEALAPR                       | Q9CYS6  | 0          | N-term +42.01 Da,                          | 5549.772949 | 2 | 644.8200073 | 644.3161062 |
| AETLSGLGDASAAGAAAVSSAASETGTR      | D3YXK2  | 0          | N-term +42.01 Da,                          | 5552        | 2 | 1261.599976 | 1261.104269 |
| AALVLEDGSLVQGR                    | B2LRQC6 | 0          | N-term +42.01 Da,                          | 5552.548828 | 2 | 735.4000244 | 735.4015592 |
| SKGPAVGIDLGTTCVGVFQHGKVEIANDQGNR  | P63017  | 0          | N-term +42.01 Da, K +28.03 Da, C +57.02Da, | 5565.416504 | 4 | 947.4899902 | 947.2374457 |
| TTS GALF PSLVPGSR                 | Q9JKV1  | 0          | N-term +42.01 Da,                          | 5565.963867 | 2 | 766.4099731 | 766.4093842 |
| ASGVAVSDGVIKVF                    | P18760  | 0.00053562 | N-term +42.01 Da, K +28.03 Da,             | 5567.395508 | 2 | 709.8981323 | 709.8981206 |
| ASLSLAPVNIKAGADEER                | P80314  | 0          | N-term +42.01 Da, K +28.03 Da,             | 5568.540527 | 2 | 1029.550049 | 1029.546942 |
| ASYEILDVPR                        | Q9QYI5  | 0.01372998 | N-term +42.01 Da,                          | 5569.185547 | 2 | 684.3499756 | 684.3457209 |
| ASGGSGGVSPALWSEVNR                | E9Q740  | 0          | N-term +42.01 Da,                          | 5569.902344 | 2 | 936.9699707 | 936.4659514 |
| MLTGS G DPK EEEEEELVDPLTTVR       | P99028  | 0          | N-term +42.01 Da, K +28.03 Da,             | 5572.077637 | 3 | 915.4400024 | 915.4442727 |
| ASLSLAPVNIKAGADEER                | P80314  | 0          | N-term +42.01 Da, K +28.03 Da,             | 5574.584961 | 2 | 1030.540039 | 1029.546942 |
| DDDIAALVVDNGSGMCKAGFAGDDAPR       | P60710  | 0          | N-term +42.01 Da, K +28.03 Da, C +57.02Da, | 5577.980469 | 3 | 936.75      | 936.4252179 |
| ASGVAVSDGVIKVFNDMKVR              | P18760  | 0          | N-term +42.01 Da, K +28.03 Da,             | 5578.708984 | 3 | 730.7373657 | 730.7365548 |
| DDDIAALVVDNGSGMCKAGFAGDDAPR       | P60710  | 0          | N-term +42.01 Da, K +28.03 Da, C +57.02Da, | 5580.965332 | 2 | 1404.619995 | 1404.134189 |
| YHNWL VEMDRTRDQEYFSK              | A2BI46  | 0.01702509 | N-term +42.01 Da, K +28.03 Da,             | 5583.944824 | 2 | 1359.630005 | 1358.626659 |
| MNLSAAHHQISLSDGNNIPLIGLGTYS DPR   | Q8VXC1  | 0.00105208 | N-term +42.01 Da,                          | 5590.324219 | 3 | 1079.199951 | 1078.538452 |
| ASGNAQIGKSAPDFTATAVVDGAFKEIKLSDYR | Q61171  | 0          | N-term +42.01 Da, K +28.03 Da,             | 5593.772461 | 3 | 1185.619995 | 1185.28942  |
| ASGNAQIGKSAPDFTATAVVDGAFKEIKLSDYR | Q61171  | 0          | N-term +42.01 Da, K +28.03 Da,             | 5594.467773 | 4 | 889.4699707 | 889.2188845 |
| MESSTSSSGSALGAVDPQLQH FIEVETQKQR  | Q9WVA2  | 0          | N-term +42.01 Da, K +28.03 Da,             | 5596.143555 | 3 | 1140.219971 | 1139.89122  |
| MESSTSSSGSALGAVDPQLQH FIEVETQKQR  | Q9WVA2  | 0          | N-term +42.01 Da, K +28.03 Da,             | 5596.970703 | 4 | 855.4199829 | 855.1702345 |
| DDDIAALVVDNGSGMCKAGFAGDDAPR       | P60710  | 0          | N-term +42.01 Da, K +28.03 Da, C +57.02Da, | 5598.287598 | 3 | 937.0900269 | 936.4252179 |
| ASYEILDVPR                        | Q9QYI5  | 0          | N-term +42.01 Da,                          | 5599.826172 | 2 | 684.3500977 | 684.3457209 |
| ASGVAVSDGVIKVF                    | P18760  | 0.00054318 | N-term +42.01 Da, K +28.03 Da,             | 5599.942383 | 2 | 709.9000244 | 709.8981206 |
| HEIATNLGDFAI SLYR                 | P07758  | 0.00195217 | N-term +42.01 Da,                          | 5600.033203 | 2 | 931.4799805 | 931.4757875 |
| ASLSLAPVNIKAGADEER                | P80314  | 0          | N-term +42.01 Da, K +28.03 Da,             | 5600.521973 | 3 | 687.039978  | 686.7003867 |
| ASLSLAPVNIKAGADEER                | P80314  | 0          | N-term +42.01 Da, K +28.03 Da,             | 5603.658691 | 3 | 687.3599854 | 686.7003867 |

|                                    |        |            |   |             |   |             |             |
|------------------------------------|--------|------------|---|-------------|---|-------------|-------------|
| ASLSLAPVNIKAGADEER                 | P80314 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5605.117188 | 2 | 1029.547119 | 1029.546942 |
| DDDIAALVVDNGSGMCKAGFAGDDAPR        | P60710 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5605.193359 | 2 | 1404.623779 | 1404.134189 |
| AADISQWAGPLCLQEVDPPQHALLR          | P70296 | 0          | N-term +42.01 Da, C +57.02Da,             | 5605.338867 | 2 | 1422.699951 | 1422.192697 |
| ASGCKIGPSILNSDLANLGAECLR           | Q8VEEO | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5605.600098 | 2 | 1294.650024 | 1293.654362 |
| ASGCKIGPSILNSDLANLGAECLR           | Q8VEEO | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5609.478516 | 3 | 863.1099854 | 862.7719999 |
| ASGVAVSDGVIKVFNDMKVR               | P18760 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5610.009277 | 3 | 730.7399902 | 730.7365548 |
| ADIDNKEQSELDQDLEDVEVEEEETGEETKIKAR | P28656 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5612.696289 | 4 | 1048.5      | 1047.997411 |
| AADISQWAGPLCLQEVDPPQHALLR          | P70296 | 0          | N-term +42.01 Da, C +57.02Da,             | 5613.195313 | 3 | 949.1300049 | 948.4642237 |
| VHLTDAEKAAVSCLWGKVNSEVGGALGR       | P02088 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5614.54248  | 4 | 817.1699829 | 817.4173122 |
| ASGCKIGPSILNSDLANLGAECLR           | Q8VEEO | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5616.31543  | 2 | 1293.650024 | 1293.654362 |
| VHLTDAEKAAVSCLWGKVNSEVGGALGR       | P02088 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5616.507324 | 3 | 1089.550049 | 1089.553991 |
| ASGNAQIGKSAPDFTATAVVDGAFKEIKLSDYR  | Q61171 | 0.00147203 | N-term +42.01 Da, K +28.03 Da,            | 5619.497559 | 3 | 1185.949951 | 1185.28942  |
| EDVQETDTSQKDQSPASHEIATNLGDFALISLYR | P07758 | 0.01701747 | N-term +42.01 Da, K +28.03 Da,            | 5620.910156 | 3 | 1246.589966 | 1245.925536 |
| VHLTDAEKAAVSCLWGKVNSEVGGALGR       | P02088 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5624.171875 | 3 | 1089.219971 | 1089.553991 |
| ASGNAQIGKSAPDFTATAVVDGAFKEIKLSDYR  | Q61171 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5625.904297 | 4 | 889.4699707 | 889.2188845 |
| MEPSPLELPVDAVR                     | Q9CXF0 | 0          | N-term +42.01 Da,                         | 5626.663574 | 2 | 798.4099731 | 797.9109026 |
| DDDIAALVVDNGSGMCK                  | P60710 | 0.00153689 | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5626.912598 | 2 | 926.4099731 | 925.4189641 |
| MESSTSSSGSALGAVDPQLQHFIEVETQKQR    | Q9WVA2 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5627.374023 | 3 | 1140.219971 | 1139.89122  |
| DDDIAALVVDNGSGMCKAGFAGDDAPR        | P60710 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5629.098633 | 3 | 936.7523804 | 936.4252179 |
| ASGVAVSDGVIKVF                     | P18760 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5630.219238 | 2 | 709.8968506 | 709.8981206 |
| MESSTSSSGSALGAVDPQLQHFIEVETQKQR    | Q9WVA2 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5630.562012 | 4 | 855.4199829 | 855.1702345 |
| VHLTDAEKAAVSCLWGKVNSEVGGALGR       | P02088 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5632.079102 | 4 | 817.9199829 | 817.4173122 |
| SDQQLDCALDMR                       | P47757 | 0          | N-term +42.01 Da, C +57.02Da,             | 5634.194336 | 2 | 803.8599854 | 803.8636269 |
| ASLSLAPVNIKAGADEER                 | P80314 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5635.269531 | 2 | 1030.050049 | 1029.546942 |
| DDDIAALVVDNGSGMCKAGFAGDDAPR        | P60710 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5636.967773 | 2 | 1404.624268 | 1404.134189 |
| SSPAQPAVPAPLADLKIQ                 | P24549 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5637.977539 | 3 | 625.0200195 | 625.0191676 |
| AQQAADKYLVDKFNFINNPLAQADWAAK       | Q8VDD5 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5639.985352 | 3 | 1098.569946 | 1098.23822  |
| AQQAADKYLVDKFNFINNPLAQADWAAK       | Q8VDD5 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5642.316895 | 3 | 1098.900024 | 1098.23822  |
| SLLCCLADFKAQAQKQL                  | Q9NYQ2 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5642.486328 | 2 | 967.039978  | 966.5347906 |
| ASGVAVSDGVIKVFNDMKVR               | P18760 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5642.68457  | 3 | 731.0700073 | 730.7365548 |
| SSPAQPAVPAPLADLKIQ                 | P24549 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5644.222656 | 3 | 625.6900024 | 625.0191676 |
| EDVQETDTSQKDQSPASHEIATNLGDFALISLYR | P07758 | 0.00053135 | N-term +42.01 Da, K +28.03 Da,            | 5644.461914 | 3 | 1245.589966 | 1245.925536 |
| MNEEPDALSVVNQLR                    | Q9D7A8 | 0          | N-term +42.01 Da,                         | 5646.788086 | 2 | 878.9299927 | 878.9303557 |
| SSPAQPAVPAPLADLKIQ                 | P24549 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5647.938965 | 2 | 937.0252075 | 937.0251132 |
| ADEIAKAQVAQPGGDTIFGKIIR            | P70349 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5648.532715 | 3 | 833.1199951 | 832.7988718 |
| ADEIAKAQVAQPGGDTIFGKIIR            | P70349 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5650.010254 | 2 | 1249.180054 | 1248.694669 |
| ADEIAKAQVAQPGGDTIFGKIIR            | P70349 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5655.09082  | 3 | 833.460022  | 832.7988718 |
| VHLTDAEKAAVSCLWGKVNSEVGGALGR       | P02088 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5655.282227 | 3 | 1089.890015 | 1089.553991 |
| TFRQNSTLFFQHQIIVRVKPYECNECGK       | Q3TFZ4 | 0.00150225 | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5656.674805 | 3 | 1196.599976 | 1196.604802 |
| MNLSAAHHQISLSDGNNIPLIGLGTYSDDR     | Q8VXC1 | 0          | N-term +42.01 Da,                         | 5658.20166  | 3 | 1079.199951 | 1078.538452 |

|                                   |         |            |   |             |   |             |             |
|-----------------------------------|---------|------------|---|-------------|---|-------------|-------------|
| ASGNAQIGKSAPDFTATAVVDGAFKEIKLSDYR | Q61171  | 0          | N-term +42.01 Da, K +28.03 Da,            | 5658.83252  | 4 | 889.2199707 | 889.2188845 |
| MIEMAAEKEPF                       | Q8K3A9  | 0.00150981 | N-term +42.01 Da, K +28.03 Da,            | 5661.412598 | 2 | 683.322876  | 683.3250852 |
| VHLTDAEKAAVSCLWGKVNSEVGGALGR      | P02088  | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5662.720215 | 4 | 817.9199829 | 817.4173122 |
| SDQQLDCALDLMR                     | P47757  | 0          | N-term +42.01 Da, C +57.02Da,             | 5664.766602 | 2 | 803.8599854 | 803.8636269 |
| MNFSGKYQLQSQENFEPFMK              | P12710  | 0          | N-term +42.01 Da, K +28.03 Da,            | 5665.815918 | 3 | 851.7399902 | 851.0713864 |
| MNNAGLNSEKVSALIQKL                | Q8R016  | 0          | N-term +42.01 Da, K +28.03 Da,            | 5667.462402 | 2 | 1014.562378 | 1014.561537 |
| VIKDFMIQGGDFTR                    | P24369  | 0.00154162 | N-term +42.01 Da, K +28.03 Da,            | 5668.496582 | 2 | 848.4400024 | 848.9399942 |
| AGPEWQSLEQCLEKHLPPDDLAQVKR        | Q8VC97  | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5668.736816 | 4 | 786.9099731 | 786.4052101 |
| MNFSGKYQLQSQENFEPFMK              | P12710  | 0.0005685  | N-term +42.01 Da, K +28.03 Da,            | 5672.570313 | 2 | 1277.099976 | 1276.103441 |
| ASGVAVSDGVIKVFNDMKVR              | P18760  | 0          | N-term +42.01 Da, K +28.03 Da,            | 5674.361328 | 3 | 731.0700073 | 730.7365548 |
| AFTPATGTPVLGGLSYR                 | Q61176  | 0          | N-term +42.01 Da,                         | 5676.481445 | 2 | 876.4500122 | 875.4621484 |
| ASGVAVSDGVIKVF                    | P18760  | 0          | N-term +42.01 Da, K +28.03 Da,            | 5678.246582 | 2 | 710.4000244 | 709.8981206 |
| SSPAQPAVPAPLADLIQ                 | P24549  | 0.01364256 | N-term +42.01 Da, K +28.03 Da,            | 5679.677734 | 2 | 937.5300293 | 937.0251132 |
| SWLFGIKGPKGEGTGPPLPPAQPGAEGGGDR   | Q92511  | 0.02126717 | N-term +42.01 Da, K +28.03 Da,            | 5683.710938 | 3 | 1114.26001  | 1113.589252 |
| SRGHNLSREELRGLRHYEEATRAGIR        | Q8R1P5  | 0.04948454 | N-term +42.01 Da,                         | 5688.459961 | 3 | 1084.881836 | 1084.899705 |
| TEWEAATPAVAETPDIKLFGK             | P97461  | 0          | N-term +42.01 Da, K +28.03 Da,            | 5690.668945 | 2 | 1187.119995 | 1186.622847 |
| VHLTDAEKAAVSCLWGKVNSEVGGALGR      | P02088  | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5693.385742 | 4 | 817.6699829 | 817.4173122 |
| ASGVTVNDEVIKVF                    | P45591  | 0.00148957 | N-term +42.01 Da, K +28.03 Da,            | 5693.844238 | 2 | 773.9199829 | 774.4194178 |
| TEWEAATPAVAETPDIKLFGK             | P97461  | 0          | N-term +42.01 Da, K +28.03 Da,            | 5694.108398 | 2 | 1186.619995 | 1186.622847 |
| TEWEAATPAVAETPDIKLFGK             | P97461  | 0          | N-term +42.01 Da, K +28.03 Da,            | 5696.196289 | 3 | 791.4199829 | 791.4176569 |
| VHLTDAEKAAVSCLWGKVNSEVGGALGR      | P02088  | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5698.115234 | 3 | 1089.560059 | 1089.553991 |
| AGPEWQSLEQCLEKHLPPDDLAQVKR        | Q8VC97  | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5699.375488 | 4 | 786.6599731 | 786.4052101 |
| DDDIAALVVDNGSGMCKAGFAGDDAPR       | P60710  | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5699.510254 | 2 | 1405.130005 | 1404.134189 |
| AALVLEDGSLVQGR                    | B2LRQC6 | 0          | N-term +42.01 Da,                         | 5703.225098 | 2 | 735.4000244 | 735.4015592 |
| EDVQETDTSQKQSPASHEIATNLGDFAIPLYR  | P07758  | 0.02125775 | N-term +42.01 Da, K +28.03 Da,            | 5703.657715 | 3 | 1245.920044 | 1245.925536 |
| ASGVAVSDGVIKVFNDMKVR              | P18760  | 0          | N-term +42.01 Da, K +28.03 Da,            | 5706.234375 | 3 | 731.0700073 | 730.7365548 |
| GSPLEKLVSSVSDLPKR                 | P54869  | 0          | N-term +42.01 Da, K +28.03 Da,            | 5706.795898 | 3 | 638.0300293 | 637.370089  |
| ADEIAKAQVAQPGGDTIFGKIIR           | P70349  | 0          | N-term +42.01 Da, K +28.03 Da,            | 5713.401855 | 3 | 833.1199951 | 832.7988718 |
| SKGPAVGIDLGTYSVCVGFQHGKVEIANDQGNR | P63017  | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5715.338379 | 4 | 947.4899902 | 947.2374457 |
| TTYLEFIQQNEER                     | Q01405  | 0          | N-term +42.01 Da,                         | 5715.465332 | 2 | 856.9099731 | 856.9099462 |
| ADEIAKAQVAQPGGDTIFGKIIR           | P70349  | 0          | N-term +42.01 Da, K +28.03 Da,            | 5716.194824 | 2 | 1249.680054 | 1248.694669 |
| SWLFGIKGPKGEGTGPPLPPAQPGAEGGGDR   | Q92511  | 0.0005322  | N-term +42.01 Da, K +28.03 Da,            | 5720.303223 | 3 | 1113.920044 | 1113.589252 |
| VHLTDAEKSAVSCLWAKVNPDEVGGALGR     | P02089  | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5720.597168 | 4 | 827.4299927 | 827.4251372 |
| TAELGVGFALR                       | Q9Z2Y8  | 0.04329725 | N-term +42.01 Da,                         | 5721.911133 | 2 | 588.3200073 | 588.3245908 |
| PFVELETNLPASR                     | O35215  | 0          | N-term +42.01 Da,                         | 5723.829102 | 2 | 757.9000244 | 757.8961096 |
| EEEIAALVVDNGSGMCKAGFAGDDAPR       | P63260  | 0.01057958 | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5724.293457 | 3 | 955.7700195 | 955.1127513 |
| VHLTDAEKAAVSCLWGKVNSEVGGALGR      | P02088  | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5725.397949 | 4 | 817.6699829 | 817.4173122 |
| DDDIAALVVDNGSGMCK                 | P60710  | 0.00156169 | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5728.108887 | 2 | 926.4099731 | 925.4189641 |
| ADEIAKAQVAQPGGDTIFGKIIR           | P70349  | 0          | N-term +42.01 Da, K +28.03 Da,            | 5728.413086 | 2 | 1248.680054 | 1248.694669 |
| VHLTDAEKAAVSCLWGKVNSEVGGALGR      | P02088  | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5729.435547 | 3 | 1089.890015 | 1089.553991 |

|                                      |         |            |   |             |   |             |             |
|--------------------------------------|---------|------------|---|-------------|---|-------------|-------------|
| AAATAAAPQQLSDEELFSQLR                | Q9WU40  | 0          | N-term +42.01 Da,                         | 5730.37793  | 3 | 778.0599976 | 777.3922821 |
| VHLTDAEKSAVSLWAKVNPDEVGGEALGR        | P02089  | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5732.154297 | 4 | 827.1699829 | 827.4251372 |
| AAATAAAPQQLSDEELFSQLR                | Q9WU40  | 0          | N-term +42.01 Da,                         | 5733.693359 | 2 | 1165.579956 | 1165.584785 |
| AHLLTSGPPPDEQDFIQAYEEVFR             | E9QLJ5  | 0          | N-term +42.01 Da,                         | 5734.23584  | 3 | 885.7600098 | 885.429285  |
| AALVLEDGSLQGR                        | B2LRQC6 | 0          | N-term +42.01 Da,                         | 5735.376465 | 2 | 735.4000244 | 735.4015592 |
| ASGVTVNDEVIKVFNDMKVR                 | P45591  | 0          | N-term +42.01 Da, K +28.03 Da,            | 5736.023926 | 2 | 1161.119995 | 1160.122491 |
| ASGVAVSDGVIKVFNDMKVR                 | P18760  | 0          | N-term +42.01 Da, K +28.03 Da,            | 5737.310059 | 3 | 731.0700073 | 730.7365548 |
| ASGVTVNDEVIKVFNDMKVR                 | P45591  | 0          | N-term +42.01 Da, K +28.03 Da,            | 5739.932617 | 3 | 773.7498169 | 773.7507528 |
| ASGVAVSDGVIKVFNDMK                   | P18760  | 0.00054171 | N-term +42.01 Da, K +28.03 Da,            | 5740.693848 | 2 | 968.0100098 | 968.0164311 |
| ASGVAVSDGVIKVFNDMK                   | P18760  | 0          | N-term +42.01 Da, K +28.03 Da,            | 5746.988281 | 2 | 969.0200195 | 968.0164311 |
| TTQQIVLQGGPGPWGFR                    | O70400  | 0          | N-term +42.01 Da,                         | 5749.012207 | 2 | 913.9799805 | 913.9810395 |
| ASGVAVSDGVIKVFNDMK                   | P18760  | 0          | N-term +42.01 Da, K +28.03 Da,            | 5751.242676 | 3 | 646.3499756 | 645.6800462 |
| PFVELETNLPASR                        | O35215  | 0.00053763 | N-term +42.01 Da,                         | 5755.941895 | 2 | 758.9000244 | 757.8961096 |
| ADISQWAGPLCLQEVEDEPPQHALR            | P70296  | 0          | N-term +42.01 Da, C +57.02Da,             | 5767.270508 | 2 | 1387.180054 | 1386.67414  |
| SDFDSNPFADPDLDLNNPFKDPSTVQVTR        | Q8K021  | 0          | N-term +42.01 Da, K +28.03 Da,            | 5769.683105 | 3 | 1032.47998  | 1031.81939  |
| ADISQWAGPLCLQEVEDEPPQHALR            | P70296  | 0          | N-term +42.01 Da, C +57.02Da,             | 5769.929199 | 3 | 925.4500122 | 924.7851857 |
| SDFDSNPFADPDLDLNNPFKDPSTVQVTR        | Q8K021  | 0          | N-term +42.01 Da, K +28.03 Da,            | 5770.232422 | 2 | 1548.22998  | 1547.225447 |
| VHLTDAEKSAVSLWAKVNPDEVGGEALGR        | P02089  | 0.02853437 | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5770.375    | 3 | 1103.22998  | 1102.897757 |
| ASGVAVSDGVIKVFNDMKVR                 | P18760  | 0          | N-term +42.01 Da, K +28.03 Da,            | 5772.153809 | 3 | 731.0700073 | 730.7365548 |
| VAGPQPAQTGAPQGSGLGEYLFER             | P29391  | 0          | N-term +42.01 Da,                         | 5772.560547 | 3 | 805.4000244 | 805.7361602 |
| AASVDLELKAFTLEQAK                    | Q9CWM4  | 0          | N-term +42.01 Da, K +28.03 Da,            | 5775.953125 | 3 | 696.7399902 | 696.7365492 |
| ASGNAIQIGKSAPDFTATAVVDGAFKEIKLSDYR   | Q61171  | 0          | N-term +42.01 Da, K +28.03 Da,            | 5776.75293  | 4 | 889.460022  | 889.2188845 |
| SDFDSNPFADPDLDLNNPFKDPSTVQVTR        | Q8K021  | 0          | N-term +42.01 Da, K +28.03 Da,            | 5779.691895 | 3 | 1031.48999  | 1031.81939  |
| TTQQIVLQGGPGPWGFR                    | O70400  | 0          | N-term +42.01 Da,                         | 5780.931152 | 2 | 913.9804688 | 913.9810395 |
| VAGPQPAQTGAPQGSGLGEYLFER             | P29391  | 0          | N-term +42.01 Da,                         | 5781.603027 | 2 | 1207.609985 | 1208.100602 |
| VHLTDAEKSAVSLWAKVNPDEVGGEALGR        | P02089  | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5783.305176 | 4 | 827.6799927 | 827.4251372 |
| SKGPAVGIDLGTYSVGVFQHGKVEIANDQGNR     | P63017  | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5784.652832 | 4 | 947.4799805 | 947.2374457 |
| VHLTDAEKAASVSLWGVKVNDEVGGEALGR       | P02088  | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5785.052246 | 4 | 817.6699829 | 817.4173122 |
| MEPSLELPVDAVR                        | Q9CXF0  | 0          | N-term +42.01 Da,                         | 5786.855469 | 2 | 797.9112549 | 797.9109026 |
| VHLTDAEKAASVSLWGVKVNDEVGGEALGR       | P02088  | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5791.300781 | 4 | 817.4199829 | 817.4173122 |
| ATQVEPLLPAGAPLLQAEHGLAR              | Q6ZQ58  | 0          | N-term +42.01 Da,                         | 5794.994141 | 3 | 841.7904053 | 841.7903764 |
| ATQVEPLLPAGAPLLQAEHGLAR              | Q6ZQ58  | 0          | N-term +42.01 Da,                         | 5795.993652 | 2 | 1263.180054 | 1262.181926 |
| AEPQPASSGLTDETFASCCSDPDSTKDFLLQQTMLR | Q9CPU0  | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5796.967285 | 3 | 1391.300049 | 1390.969543 |
| PFVELETNLPASR                        | O35215  | 0          | N-term +42.01 Da,                         | 5797.938965 | 2 | 757.8900146 | 757.8961096 |
| AADISQWAGPLCLQEVEDEPPQHALR           | P70296  | 0          | N-term +42.01 Da, C +57.02Da,             | 5800.745117 | 3 | 948.7999878 | 948.4642237 |
| AADISQWAGPLCLQEVEDEPPQHALR           | P70296  | 0          | N-term +42.01 Da, C +57.02Da,             | 5801.114258 | 2 | 1422.194458 | 1422.192697 |
| AASAALILPESPSMKKAVPLINAIDTGR         | Q8JZY2  | 0          | N-term +42.01 Da, K +28.03 Da,            | 5801.245117 | 3 | 978.8900146 | 978.2228528 |
| TTQQIVLQGGPGPWGFR                    | O70400  | 0.00147493 | N-term +42.01 Da,                         | 5801.837891 | 2 | 913.4699707 | 913.9810395 |
| VHLTDAEKSAVSLWAKVNPDEVGGEALGR        | P02089  | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5804.672852 | 3 | 1102.890015 | 1102.897757 |
| ATQVEPLLPAGAPLLQAEHGLAR              | Q6ZQ58  | 0          | N-term +42.01 Da,                         | 5807.16748  | 2 | 1262.180054 | 1262.181926 |



|                                     |        |            |   |             |   |             |             |
|-------------------------------------|--------|------------|---|-------------|---|-------------|-------------|
| PMFIVNTNVPR                         | P34884 | 0          | N-term +42.01 Da,                         | 5807.512207 | 2 | 665.3499756 | 665.3528253 |
| ASGVAVSDGVIKVFNDMKVR                | P18760 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5808.26416  | 3 | 730.7399902 | 730.7365548 |
| AADISQWAGPLCLQEVDEPPQHALR           | P70296 | 0          | N-term +42.01 Da, C +57.02Da,             | 5808.552734 | 4 | 712.0999756 | 711.5999869 |
| ATQVEPLLPAGAPLLQAEHGLAR             | Q6ZQ58 | 0          | N-term +42.01 Da,                         | 5813.109863 | 3 | 841.789978  | 841.7903764 |
| VHLTDAEKSAVSLWAKVNPDEVGGEALGR       | P02089 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5814.638184 | 4 | 827.9299927 | 827.4251372 |
| MEPSPLELPVDAVR                      | Q9CXF0 | 0          | N-term +42.01 Da,                         | 5818.53125  | 2 | 797.9094849 | 797.9109026 |
| AEPQPASSGLTDEAFSCSDPDPSTKDFLLQQTMLR | Q9CPU0 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5827.466797 | 3 | 1391.630005 | 1390.969543 |
| AADISQWAGPLCLQEVDEPPQHALR           | P70296 | 0          | N-term +42.01 Da, C +57.02Da,             | 5831.241699 | 3 | 948.4632568 | 948.4642237 |
| AADISQWAGPLCLQEVDEPPQHALR           | P70296 | 0          | N-term +42.01 Da, C +57.02Da,             | 5831.584961 | 2 | 1422.191406 | 1422.192697 |
| VHLTDAEKSAVSLWAKVNPDEVGGEALGR       | P02089 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5836.327148 | 3 | 1103.22998  | 1102.897757 |
| PFVELETNLPASR                       | O35215 | 0          | N-term +42.01 Da,                         | 5837.200684 | 2 | 758.4000244 | 757.8961096 |
| PMFIVNTNVPR                         | P34884 | 0          | N-term +42.01 Da,                         | 5838.950684 | 2 | 665.3484497 | 665.3528253 |
| SQDDIIPPSRNLR                       | Q80X19 | 0.02652174 | N-term +42.01 Da,                         | 5839.794434 | 2 | 776.4199829 | 776.9075402 |
| MEGPLSVFGDR                         | P11983 | 0          | N-term +42.01 Da,                         | 5846.270508 | 2 | 625.296814  | 625.2977161 |
| VHLTDAEKSAVSLWAKVNPDEVGGEALGR       | P02089 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5846.559082 | 4 | 827.6699829 | 827.4251372 |
| ATYLEFIQQNEER                       | Q9D662 | 0          | N-term +42.01 Da,                         | 5848.319824 | 2 | 842.4000244 | 841.9046637 |
| MDLVAELPR                           | Q8VDG5 | 0.00148441 | N-term +42.01 Da,                         | 5852.154785 | 2 | 543.289978  | 543.2866196 |
| PFVELETNLPASR                       | O35215 | 0.0385906  | N-term +42.01 Da,                         | 5855.561523 | 2 | 757.3900146 | 757.8961096 |
| YGITDFRGLLQAFELLKQSQEEETHR          | A2ASS6 | 0.04291667 | N-term +42.01 Da, K +28.03 Da,            | 5857.262695 | 3 | 1060.530029 | 1060.210441 |
| SITSDEVNLFVYR                       | Q9QXE7 | 0          | N-term +42.01 Da,                         | 5858.987793 | 2 | 792.9000244 | 792.8988497 |
| AADISQWAGPLCLQEVDEPPQHALR           | P70296 | 0          | N-term +42.01 Da, C +57.02Da,             | 5862.674316 | 3 | 948.7999878 | 948.4642237 |
| ADFLKGLPVVYKSNF                     | Q9D9Z5 | 0.00241429 | N-term +42.01 Da, K +28.03 Da,            | 5862.913574 | 2 | 905.9899902 | 905.9905415 |
| ASVGTlafDEYGRPFLLIKDQDR             | P80316 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5867.587891 | 3 | 894.7999878 | 894.4693031 |
| MEAGGLGCAVCVLTGASR                  | G3UXX3 | 0          | N-term +42.01 Da, C +57.02Da,             | 5867.716309 | 2 | 925.9299927 | 925.9315181 |
| PMFIVNTNVPR                         | P34884 | 0          | N-term +42.01 Da,                         | 5869.679688 | 2 | 665.3519897 | 665.3528253 |
| AADISQWAGPLCLQEVDEPPQHALR           | P70296 | 0          | N-term +42.01 Da, C +57.02Da,             | 5869.856445 | 3 | 948.460022  | 948.4642237 |
| VKVLGTSVESIMATEDR                   | Q8C196 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5874.399902 | 2 | 953.9899902 | 953.003521  |
| MEGLKDKTLQELEEMQNDPEAIAR            | Q8R105 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5876.055176 | 3 | 963.1500244 | 962.8123018 |
| MEGPLSVFGDR                         | P11983 | 0          | N-term +42.01 Da,                         | 5877.506348 | 2 | 625.296936  | 625.2977161 |
| VHLTDAEKAAVSLWGVKNSDEVGGEALGR       | P02088 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5884.672363 | 4 | 817.6699829 | 817.4173122 |
| EETFSYLLGR                          | Q61176 | 0.00241546 | N-term +42.01 Da,                         | 5885.541504 | 2 | 629.8200073 | 628.8115138 |
| AAPGLTEAAEAELTR                     | B9EJR8 | 0          | N-term +42.01 Da,                         | 5896.726563 | 2 | 807.9099731 | 806.9124887 |
| AAPAAEVAAAPGLTEAAEAELTR             | B9EJR8 | 0          | N-term +42.01 Da,                         | 5898.40625  | 2 | 1212.619995 | 1211.608458 |
| PGLLLLGEEAPDFEANTTIGR               | Q8BG37 | 0.04143993 | N-term +42.01 Da,                         | 5898.693359 | 2 | 1101.050049 | 1100.050046 |
| ASVGTlafDEYGRPFLLIKDQDR             | P80316 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5899.079102 | 3 | 894.4683838 | 894.4693031 |
| ADSVKTLQDLGR                        | Q61070 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5901.495117 | 2 | 760.4099731 | 760.4093842 |
| MNSAGADEIGKLF                       | Q9JII5 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5903.500488 | 2 | 711.8505249 | 711.8503134 |
| KNDACFLKRLLR                        | P10168 | 0.02163355 | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5904.335449 | 3 | 544.9799805 | 544.651984  |
| TEWEAATPAVAETPDIKL                  | P97461 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5912.848633 | 2 | 1007.01001  | 1006.514776 |
| VHLTDAEKAAVSLWGVKNSDEVGGEALGR       | P02088 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5915.192383 | 3 | 1089.560059 | 1089.553991 |

|                                       |        |            |   |             |   |             |             |
|---------------------------------------|--------|------------|---|-------------|---|-------------|-------------|
| VHLTDAEKA AVSCLWGK VNSDEVGG EALGR     | P02088 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5916.715332 | 4 | 817.6699829 | 817.4173122 |
| PGGLLLGEEAPDFEANTTIGR                 | Q8BG37 | 0.01369863 | N-term +42.01 Da,                         | 5917.19043  | 2 | 1100.550049 | 1100.050046 |
| PFVELETNLPASR                         | O35215 | 0          | N-term +42.01 Da,                         | 5920.464355 | 2 | 758.3900146 | 757.8961096 |
| AAMLGD AIMVAK                         | Q60936 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5930.580078 | 2 | 630.3300171 | 630.8381622 |
| SSK K MVNSVEGCADDALAGLVASNPDLQLLQGH R | Q8VC30 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5931.178711 | 4 | 920.7199707 | 920.4699136 |
| MDSASQDINLNSPNKGVLSDFMTDVPVDPGVVHR    | Q9CY22 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5933.470703 | 3 | 1242.939941 | 1242.269703 |
| SKGPAVGIDL GTTYSCVGVFQHGKVEIANDQGN R  | P63017 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5934.104492 | 4 | 947.7299805 | 947.2374457 |
| PMILGYWNV R                           | P10649 | 0.00055617 | N-term +42.01 Da,                         | 5934.250977 | 2 | 646.8300171 | 645.8368108 |
| MDSASQDINLNSPNKGVLSDFMTDVPVDPGVVHR    | Q9CY22 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5936.084961 | 4 | 932.2000122 | 931.9540966 |
| MVGGEASA AVEKLVSGV R                  | Q9D211 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5937.918457 | 2 | 915.4899902 | 915.493123  |
| EEEIAALVIDNGSGMCKAGFAGDDAP R          | P63260 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5938.116699 | 3 | 955.7800293 | 955.1127513 |
| MESMVAPGEVLMSQAIQPAHADSR              | Q9DBK0 | 0          | N-term +42.01 Da,                         | 5938.404785 | 2 | 1299.609985 | 1299.111472 |
| EEEIAALVIDNGSGMCKAGFAGDDAP R          | P63260 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5940.09375  | 3 | 955.4400024 | 955.1127513 |
| MDV GELLSYQPN R                       | Q9CW18 | 0          | N-term +42.01 Da,                         | 5941.064453 | 2 | 782.3800049 | 782.377227  |
| MESMVAPGEVLMSQAIQPAHADSR              | Q9DBK0 | 0          | N-term +42.01 Da,                         | 5944.408203 | 3 | 866.75      | 866.4100737 |
| EEEIAALVIDNGSGMCKAGFAGDDAP R          | P63260 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5945.555176 | 2 | 1432.650024 | 1432.165489 |
| ADLSLDELIR                            | Q8BG81 | 0.00104712 | N-term +42.01 Da,                         | 5946.583984 | 2 | 593.8200073 | 593.8193388 |
| VHLTDAEKA AVSCLWGK VNSDEVGG EALGR     | P02088 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5947.357422 | 4 | 817.9199829 | 817.4173122 |
| VHLTDAEKA AVSCLWGK VNSDEVGG EALGR     | P02088 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5947.461914 | 3 | 1089.880005 | 1089.553991 |
| PFVELETNLPASR                         | O35215 | 0          | N-term +42.01 Da,                         | 5951.931641 | 2 | 757.8955078 | 757.8961096 |
| STLLIHPQYAWLQDLGL R                   | Q9DBF1 | 0          | N-term +42.01 Da,                         | 5952.247559 | 3 | 768.75      | 768.4146918 |
| MLS FQY P DVY R                       | Q9QUR6 | 0          | N-term +42.01 Da,                         | 5953.694336 | 2 | 731.3499756 | 730.8475733 |
| SSWWTHVEMGPPDPILGVTEAFKR              | P05202 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5955.746582 | 3 | 938.1300049 | 937.4705381 |
| MLS FQY P DVY R                       | Q9QUR6 | 0          | N-term +42.01 Da,                         | 5955.821777 | 2 | 730.8469849 | 730.8475733 |
| STLLIHPQYAWLQDLGL R                   | Q9DBF1 | 0          | N-term +42.01 Da,                         | 5957.679688 | 3 | 768.4099731 | 768.4146918 |
| SGTLAKIAEIEAEMAR                      | P32233 | 0.00241896 | N-term +42.01 Da, K +28.03 Da,            | 5958.422363 | 2 | 880.4699707 | 880.4665739 |
| AALVAAEGSLG PAGWSAGR                  | P97364 | 0          | N-term +42.01 Da,                         | 5960.325684 | 2 | 892.960022  | 891.9603044 |
| AAMLGD AIMVAK                         | Q60936 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5960.854004 | 2 | 630.8377075 | 630.8381622 |
| SSWWTHVEMGPPDPILGVTEAFKR              | P05202 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5961.732422 | 4 | 703.8499756 | 703.3547227 |
| ATPDSLALFTGLG LSENKAR                 | D3Z158 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5963.279297 | 2 | 1066.079956 | 1066.073324 |
| SGTLAKIAEIEAEMAR                      | P32233 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5968.617676 | 2 | 880.9699707 | 880.4665739 |
| SWFADLAGR                             | Q9QY6  | 0          | N-term +42.01 Da,                         | 5969.025879 | 2 | 532.7600098 | 532.761626  |
| AAMLGD AIMVAK                         | Q60936 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5970.809082 | 2 | 630.3300171 | 630.8381622 |
| EEEIAALVIDNGSGMCKAGFAGDDAP R          | P63260 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5971.802246 | 3 | 955.7700195 | 955.1127513 |
| AALVAAEGSLG PAGWSAGR                  | P97364 | 0          | N-term +42.01 Da,                         | 5972.739258 | 2 | 891.9699707 | 891.9603044 |
| EEEIAALVIDNGSGMCKAGFAGDDAP R          | P63260 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5977.663574 | 2 | 1433.160034 | 1432.165489 |
| SGTLAKIAEIEAEMAR                      | P32233 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5977.791016 | 2 | 881.4699707 | 880.4665739 |
| SSWWTHVEMGPPDPILGVTEAFKR              | P05202 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5978.294922 | 4 | 703.3499756 | 703.3547227 |
| MDSASLEKIADPTLAEMGNLKEAMR             | Q99K01 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5979.645996 | 4 | 723.3800049 | 722.8787107 |
| PGGLLLGEEAPDFEANTTIGR                 | Q8BG37 | 0.04105572 | N-term +42.01 Da,                         | 5981.308594 | 2 | 1100.540039 | 1100.050046 |

|                                   |        |            |   |             |   |             |             |
|-----------------------------------|--------|------------|---|-------------|---|-------------|-------------|
| ASGRPEELWEAVVGAER                 | Q9D1F4 | 0          | N-term +42.01 Da,                         | 5982.01123  | 3 | 657.3300171 | 656.9973145 |
| PFVELETNLPASR                     | O35215 | 0          | N-term +42.01 Da,                         | 5982.990234 | 2 | 757.8948364 | 757.8961096 |
| ASGRPEELWEAVVGAER                 | Q9D1F4 | 0          | N-term +42.01 Da,                         | 5983.322754 | 2 | 985.4899902 | 984.9923336 |
| VHLTDAEKAASVCLWGKVNSEVGGGALGR     | P02088 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5983.760254 | 4 | 817.9199829 | 817.4173122 |
| SSWWTHVEMGPPDPLGVTEAFKR           | P05202 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5986.770508 | 3 | 937.7999878 | 937.4705381 |
| AAVSCLWGKVNSEVGGGALGR             | P02088 | 0.03013345 | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 5989.904785 | 2 | 1172.599976 | 1173.081355 |
| PGLLLLGEEAPDFEANTTIGR             | Q8BG37 | 0          | N-term +42.01 Da,                         | 5991.829102 | 3 | 734.0300293 | 733.7024564 |
| ATPDSLALFTGLGLENKAR               | D3Z158 | 0          | N-term +42.01 Da, K +28.03 Da,            | 5994.973633 | 2 | 1066.069946 | 1066.073324 |
| MKIAVIGQSLFGQEVYQCLR              | Q8R0Y6 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6001.384766 | 3 | 804.0900269 | 804.0922328 |
| SKGPAVGIDLGTYSVGVFQHGKVEIANDQGNR  | P63017 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6005.125    | 4 | 947.4899902 | 947.2374457 |
| ASFVTEVLAHSGSLEKEDLGTR            | O54692 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6006.695313 | 3 | 806.0800171 | 806.0833373 |
| ASGRPEELWEAVVGAER                 | Q9D1F4 | 0.00105932 | N-term +42.01 Da,                         | 6006.811035 | 3 | 657.6599731 | 656.9973145 |
| MQNDAGEFVDLYVPR                   | Q9CQR2 | 0          | N-term +42.01 Da,                         | 6008.730469 | 2 | 898.4199829 | 898.4196237 |
| EEEIAALVIDNGSGMCKAGFAGDDAPR       | P63260 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6010.711426 | 3 | 955.7700195 | 955.1127513 |
| ASEDIAKLAETLAKTQ                  | P46061 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6012.600098 | 3 | 596.3300171 | 596.3314115 |
| PFVELETNLPASR                     | O35215 | 0          | N-term +42.01 Da,                         | 6013.373535 | 2 | 757.8948364 | 757.8961096 |
| PGLLLLGEEAPDFEANTTIGR             | Q8BG37 | 0.00195122 | N-term +42.01 Da,                         | 6013.746582 | 2 | 1101.050049 | 1100.050046 |
| ASGRPEELWEAVVGAER                 | Q9D1F4 | 0          | N-term +42.01 Da,                         | 6014.973633 | 2 | 984.9899902 | 984.9923336 |
| EQELLEAAR                         | P59672 | 0.01960784 | N-term +42.01 Da,                         | 6017.370117 | 2 | 550.789978  | 550.7827562 |
| MNVEHEVNLLVEEIH                   | Q4KML4 | 0          | N-term +42.01 Da,                         | 6018.286133 | 3 | 668.3379517 | 668.3386832 |
| MQNDAGEFVDLYVPR                   | Q9CQR2 | 0          | N-term +42.01 Da,                         | 6020.064453 | 3 | 599.6199951 | 599.2821746 |
| PGLLLLGEEAPDFEANTTIGR             | Q8BG37 | 0.00241779 | N-term +42.01 Da,                         | 6023.900391 | 3 | 734.0300293 | 733.7024564 |
| AAETQTLNFGPEWLR                   | Q6Y7W8 | 0          | N-term +42.01 Da,                         | 6025.842773 | 2 | 888.4400024 | 887.9415803 |
| VHLTDAEKSAVSLWAKVNPDEVGGGALGR     | P02089 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6032.399902 | 3 | 1103.560059 | 1102.897757 |
| AAETQTLNFGPEWLR                   | Q6Y7W8 | 0          | N-term +42.01 Da,                         | 6032.975586 | 2 | 888.9400024 | 887.9415803 |
| AADISQWAGPLCLQEVDEPPQHALR         | P70296 | 0          | N-term +42.01 Da, C +57.02Da,             | 6034.534668 | 3 | 948.460022  | 948.4642237 |
| MQNDAGEFVDLYVPR                   | Q9CQR2 | 0          | N-term +42.01 Da,                         | 6039.426758 | 2 | 898.4185181 | 898.4196237 |
| ASVGTALFDEYGRPF                   | P80316 | 0          | N-term +42.01 Da,                         | 6042.322266 | 2 | 836.4023438 | 836.4042992 |
| VHLTDAEKSAVSLWAKVNPDEVGGGALGR     | P02089 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6042.424316 | 4 | 827.4299927 | 827.4251372 |
| PFVELETNLPASR                     | O35215 | 0          | N-term +42.01 Da,                         | 6043.760254 | 2 | 757.8950806 | 757.8961096 |
| ATQADLMELDMAMEPDR                 | Q02248 | 0          | N-term +42.01 Da,                         | 6047.878418 | 2 | 989.9310303 | 989.9313816 |
| MNVEHEVNLLVEEIH                   | Q4KML4 | 0          | N-term +42.01 Da,                         | 6050.454102 | 3 | 668.3382568 | 668.3386832 |
| EEEIAALVIDNGSGMCKAGFAGDDAPR       | P63260 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6052.214844 | 2 | 1432.660034 | 1432.165489 |
| EEEIAALVIDNGSGMCKAGFAGDDAPR       | P63260 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6053.197754 | 3 | 955.1099854 | 955.1127513 |
| SAIQNLHSFDPFADASKGDDLLPAGTEDYIHIR | P48024 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6054.900391 | 4 | 921.7000122 | 921.7048702 |
| MEEKALEVYDLIR                     | Q9DCL2 | 0.01962533 | N-term +42.01 Da, K +28.03 Da,            | 6056.333496 | 2 | 840.4400024 | 839.9396603 |
| MDPSWATQESEVAEKVLR                | Q9EPQ7 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6060.361816 | 2 | 1109.040039 | 1109.046449 |
| PFVELETNLPASRIPAGLENR             | O35215 | 0          | N-term +42.01 Da,                         | 6062.560059 | 3 | 789.4199829 | 789.0885336 |
| PFVELETNLPASRIPAGLENR             | O35215 | 0          | N-term +42.01 Da,                         | 6066.647461 | 3 | 789.0900269 | 789.0885336 |
| MDSGFGSDFGGTGGKLDPGAIMEQVKVQ      | P62075 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6067.460449 | 3 | 995.4799805 | 995.1440514 |

|                                  |        |            |   |             |   |             |             |
|----------------------------------|--------|------------|---|-------------|---|-------------|-------------|
| MQNDAGEFVDLYVPR                  | Q9CQR2 | 0          | N-term +42.01 Da,                         | 6070.434082 | 2 | 898.4199829 | 898.4196237 |
| ASPGEPQPPAPDTSSFYDLVIGGGSSGLASAR | P47791 | 0          | N-term +42.01 Da,                         | 6071.130371 | 3 | 1034.5      | 1034.16679  |
| ASVGTlafdeYGRPF                  | P80316 | 0          | N-term +42.01 Da,                         | 6072.718262 | 2 | 836.4024658 | 836.4042992 |
| MEAGGLGCAVCVLTGASR               | G3UXX3 | 0          | N-term +42.01 Da, C +57.02Da,             | 6072.928223 | 2 | 926.4299927 | 925.9315181 |
| MDSGFGSDFGGTGGKLDPAIMEQVKVQ      | P62075 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6074.037598 | 3 | 995.1400146 | 995.1440514 |
| SKGPAVGIDLGTYSVGVFQHGKVEIANDQGNR | P63017 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6075.009766 | 4 | 947.4799805 | 947.2374457 |
| PFVELETNLPASR                    | O35215 | 0          | N-term +42.01 Da,                         | 6078.317383 | 2 | 757.8900146 | 757.8961096 |
| ATQADLMELDMAMEPDR                | Q02248 | 0          | N-term +42.01 Da,                         | 6080.601074 | 2 | 989.9299927 | 989.9313816 |
| EEEIAALVIDNGSGMCKAGFAGDDAPR      | P63260 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6083.432617 | 2 | 1432.162354 | 1432.165489 |
| EEEIAALVIDNGSGMCKAGFAGDDAPR      | P63260 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6083.962891 | 3 | 955.1121826 | 955.1127513 |
| ASPGEPQPPAPDTSSFYDLVIGGGSSGLASAR | P47791 | 0          | N-term +42.01 Da,                         | 6086.14209  | 2 | 1551.75     | 1550.746547 |
| SSLSGKVQTVLGLVEPSQLGR            | Q60866 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6094.599121 | 2 | 1113.630005 | 1113.128631 |
| SSLSGKVQTVLGLVEPSQLGR            | Q60866 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6094.73291  | 3 | 743.0900269 | 742.4215126 |
| MEAGGLGCAVCVLTGASR               | G3UXX3 | 0          | N-term +42.01 Da, C +57.02Da,             | 6096.526855 | 3 | 617.6199951 | 617.6234375 |
| MQNDAGEFVDLYVPR                  | Q9CQR2 | 0          | N-term +42.01 Da,                         | 6102.189453 | 2 | 898.4212646 | 898.4196237 |
| MEAGGLGCAVCVLTGASR               | G3UXX3 | 0          | N-term +42.01 Da, C +57.02Da,             | 6104.074707 | 2 | 925.9299927 | 925.9315181 |
| ASVGTlafdeYGRPF                  | P80316 | 0          | N-term +42.01 Da,                         | 6104.29248  | 2 | 836.9000244 | 836.4042992 |
| LYSSDDVIELTPSNFNR                | Q922R8 | 0.03410526 | N-term +42.01 Da,                         | 6108.836426 | 2 | 1050.5      | 1050.000022 |
| SQLVECVPNFSEGNQVEIDAISR          | Q91XD4 | 0          | N-term +42.01 Da, C +57.02Da,             | 6110.061523 | 2 | 1374.650024 | 1374.150696 |
| SQLVECVPNFSEGNQVEIDAISR          | Q91XD4 | 0          | N-term +42.01 Da, C +57.02Da,             | 6112.550781 | 3 | 916.7700195 | 916.4362226 |
| AAAVAGPLAAGGEEAASVSLPGSPGLPGR    | Q921G6 | 0          | N-term +42.01 Da,                         | 6115.515137 | 3 | 910.7999878 | 910.8067555 |
| AANATTNPSQLLPLELVDKICIGSR        | P62322 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6116.583496 | 3 | 880.4699707 | 880.1338147 |
| AANATTNPSQLLPLELVDKICIGSR        | P62322 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6119.055176 | 2 | 1320.199951 | 1319.697084 |
| SSLSGKVQTVLGLVEPSQLGR            | Q60866 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6126.594727 | 2 | 1114.130005 | 1113.128631 |
| AASGESGASGGGGSTEEAFMTFYSEVKQIEKR | Q6NZB0 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6130.328613 | 3 | 1123.530029 | 1122.864671 |
| EEEIAALVIDNGSGMCKAGFAGDDAPR      | P63260 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6130.45752  | 3 | 955.4500122 | 955.1127513 |
| SVPAFIDISEEDQAAELR               | Q99JX4 | 0          | N-term +42.01 Da,                         | 6131.46582  | 2 | 1016.98999  | 1016.497115 |
| AELQMLLEEEIPSGKR                 | Q8CBW3 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6131.928223 | 2 | 958         | 957.0060635 |
| MQNDAGEFVDLYVPR                  | Q9CQR2 | 0          | N-term +42.01 Da,                         | 6132.603027 | 2 | 898.9099731 | 898.4196237 |
| VHLTDAEKAASVCLWGKVNSEVGGGALGR    | P02088 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6136.825684 | 3 | 1090.209961 | 1089.553991 |
| ASAVSPANLPAVLLQPR                | Q61191 | 0          | N-term +42.01 Da,                         | 6137.380859 | 2 | 873.5       | 873.499065  |
| AANATTNPSQLLPLELVDKICIGSR        | P62322 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6139.248535 | 3 | 880.1300049 | 880.1338147 |
| SQLVECVPNFSEGNQVEIDAISR          | Q91XD4 | 0          | N-term +42.01 Da, C +57.02Da,             | 6140.753906 | 2 | 1374.650024 | 1374.150696 |
| ASAVLSSVLTASR                    | Q9JMB0 | 0          | N-term +42.01 Da,                         | 6143.231445 | 2 | 702.8900146 | 702.8882846 |
| SQLVECVPNFSEGNQVEIDAISR          | Q91XD4 | 0          | N-term +42.01 Da, C +57.02Da,             | 6144.64209  | 3 | 917.0999756 | 916.4362226 |
| AANATTNPSQLLPLELVDKICIGSR        | P62322 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6149.825195 | 2 | 1319.697021 | 1319.697084 |
| LYSSDDVIELTPSNFNR                | Q922R8 | 0.00149626 | N-term +42.01 Da,                         | 6150.61377  | 2 | 1050.5      | 1050.000022 |
| DDDIAALVVDNGSGMCKAGF             | P60710 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6153.496094 | 2 | 1063.47998  | 1062.98246  |
| AEYLASIFGTEKDKVN                 | Q8BGJ9 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6156.319336 | 2 | 942.5       | 941.9934791 |
| EEEIAALVIDNGSGMCK                | P63260 | 0.00105541 | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6158.243164 | 2 | 953.9500122 | 953.4502643 |

|                                   |        |            |   |             |   |             |             |
|-----------------------------------|--------|------------|---|-------------|---|-------------|-------------|
| VSCLWAKVNPDEVGGEALGR              | P02089 | 0.03656999 | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6160.902832 | 2 | 1114.550049 | 1114.062433 |
| SVPAFIDISEEDQAAELR                | Q99JX4 | 0          | N-term +42.01 Da,                         | 6163.698242 | 2 | 1016.494629 | 1016.497115 |
| MQNDAGEFVDLYVPR                   | Q9CQR2 | 0          | N-term +42.01 Da,                         | 6163.796387 | 2 | 898.9090576 | 898.4196237 |
| ASGVAVSDGVKIKVFNDMKVR             | P18760 | 0.00146915 | N-term +42.01 Da, K +28.03 Da,            | 6164.105957 | 2 | 1095.579956 | 1095.601194 |
| AELQMLLEEEIPSGKR                  | Q8CBW3 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6164.317871 | 2 | 957.5043335 | 957.0060635 |
| DDIAALVVDNGSGMCKAGFAGD            | P60710 | 0.02575295 | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6172.095703 | 2 | 1185.51001  | 1184.525222 |
| AANATTNPSQLLPLELVDKICGSR          | P62322 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6176.460449 | 3 | 880.4699707 | 880.1338147 |
| SDILPLDVIGR                       | Q8CIV8 | 0.00054675 | N-term +42.01 Da,                         | 6179.818848 | 2 | 620.8499756 | 620.3508059 |
| GDVVFVPSVIVSR                     | Q64176 | 0.0015456  | N-term +42.01 Da,                         | 6184.202637 | 2 | 736.9099731 | 736.9090197 |
| SNYSVSLVGPAPWGFR                  | Q8CI51 | 0          | N-term +42.01 Da,                         | 6185.444336 | 2 | 889.9400024 | 889.9466653 |
| VHLTDAEKAASCLWGKVNSEVGGGEALGR     | P02088 | 0.04946414 | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6188.601074 | 4 | 817.6699829 | 817.4173122 |
| ASGVAVSDGVKIKVFNDMKVR             | P18760 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6190.384277 | 3 | 731.0599976 | 730.7365548 |
| MQNDAGEFVDLYVPR                   | Q9CQR2 | 0          | N-term +42.01 Da,                         | 6195.925293 | 2 | 899.4099731 | 898.4196237 |
| MEAGGLGCAVCVLTGASR                | G3UXX3 | 0          | N-term +42.01 Da, C +57.02Da,             | 6197.065918 | 2 | 926.4400024 | 925.9315181 |
| MAPEEDAGGEVLGGSFWEAGNYR           | Q99JB8 | 0          | N-term +42.01 Da,                         | 6198.885742 | 2 | 1243.040039 | 1242.54226  |
| AAKVFESIGKFGL                     | P67778 | 0.01018047 | N-term +42.01 Da, K +28.03 Da,            | 6204.100586 | 2 | 732.9264526 | 732.9266807 |
| SQLVECPNPFSEGNQVEIDAISR           | Q91XD4 | 0          | N-term +42.01 Da, C +57.02Da,             | 6218.098633 | 2 | 1375.160034 | 1374.150696 |
| SQLVECPNPFSEGNQVEIDAISR           | Q91XD4 | 0          | N-term +42.01 Da, C +57.02Da,             | 6219.770508 | 3 | 917.0999756 | 916.4362226 |
| EEEIAALVIDNGSGMCKAGFAGDDAPR       | P63260 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6220.300781 | 2 | 1433.160034 | 1432.165489 |
| EEEIAALVIDNGSGMCKAGFAGDDAPR       | P63260 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6222.14209  | 3 | 955.7700195 | 955.1127513 |
| MQNDAGEFVDLYVPR                   | Q9CQR2 | 0          | N-term +42.01 Da,                         | 6222.729492 | 2 | 898.4099731 | 898.4196237 |
| EEEIAALVIDNGSGMCKAGFAGDDAPR       | P63260 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6230.417969 | 2 | 1432.660034 | 1432.165489 |
| VHLTDAEKAASCLWGKVNSEVGGGEALGR     | P02088 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6230.713379 | 3 | 1089.890015 | 1089.553991 |
| MDSTANEVEAVKHSFPTLKFFPASADR       | P09103 | 0.00055463 | N-term +42.01 Da, K +28.03 Da,            | 6240.889648 | 4 | 798.9000244 | 798.9063144 |
| AAKVFESIGKFGL                     | P67778 | 0.00194932 | N-term +42.01 Da, K +28.03 Da,            | 6241.579102 | 2 | 732.9262085 | 732.9266807 |
| MDSAEELLAPLR                      | Q9CZD3 | 0          | N-term +42.01 Da,                         | 6243.535156 | 2 | 693.8499756 | 693.8503134 |
| DGLDPAFTPATGTPVLGGLSYR            | Q61176 | 0.00147856 | N-term +42.01 Da,                         | 6244.327637 | 2 | 1125.060059 | 1124.068239 |
| AANATTNPSQLLPLELVDKICGSR          | P62322 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6244.46875  | 3 | 880.789978  | 880.1338147 |
| AEYLASIFGTEKDKVNC                 | Q8BGJ9 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6244.621094 | 2 | 1022.51001  | 1022.008804 |
| MDLLFGR                           | _sp Q8 | 0.02363239 | N-term +42.01 Da,                         | 6247.376953 | 2 | 447.2308655 | 447.2311153 |
| EEEIAALVIDNGSGMCKAGFAGDDAPR       | P63260 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6253.804688 | 3 | 955.4401245 | 955.1127513 |
| MQNDAGEFVDLYVPR                   | Q9CQR2 | 0          | N-term +42.01 Da,                         | 6253.896484 | 2 | 898.4170532 | 898.4196237 |
| EEEIAALVIDNGSGMCKAGFAGDDAPR       | P63260 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6261.043945 | 2 | 1433.160034 | 1432.165489 |
| AAGAAAAAFLNQESR                   | Q9CPP0 | 0          | N-term +42.01 Da,                         | 6269.51123  | 2 | 802.4199829 | 801.9153652 |
| AAKVFESIGKFGL                     | P67778 | 0.00053996 | N-term +42.01 Da, K +28.03 Da,            | 6272.088379 | 2 | 732.9254761 | 732.9266807 |
| AAVAAGAGEPLSPEELLPKAEAEKAELEE     | Q9CPQ3 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6278.239746 | 3 | 1096.900024 | 1096.895966 |
| SAIQNLHSFDPFADASKGDDLLPAGTEDYIHIR | P48024 | 0.00053908 | N-term +42.01 Da, K +28.03 Da,            | 6279.392578 | 4 | 922.2000122 | 921.7048702 |
| SQLVECPNPFSEGNQVEIDAISR           | Q91XD4 | 0          | N-term +42.01 Da, C +57.02Da,             | 6280.591309 | 3 | 917.0900269 | 916.4362226 |
| ADKMDMSLDDIIKL                    | O0K583 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6280.722656 | 2 | 853.4400024 | 853.4411787 |
| AAVAAGAGEPLSPEELLPKAEAEKAELEE     | Q9CPQ3 | 0.00056085 | N-term +42.01 Da, K +28.03 Da,            | 6281.01123  | 3 | 1097.23999  | 1096.895966 |

|                                  |        |            |   |             |   |             |             |
|----------------------------------|--------|------------|---|-------------|---|-------------|-------------|
| SQLVECPNPFSEGNQVEIDAISR          | Q91XD4 | 0          | N-term +42.01 Da, C +57.02Da,             | 6282.746582 | 2 | 1375.140015 | 1374.150696 |
| EEEIAALVDNGSGMCK                 | P63260 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6283.015625 | 2 | 953.4478149 | 953.4502643 |
| VHLTDAEKA AVSCLWGK VNSDEVGGEALGR | P02088 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6286.956543 | 3 | 1090.219971 | 1089.553991 |
| SVPAFIDISEEDQAAELR               | Q99JX4 | 0          | N-term +42.01 Da,                         | 6287.780273 | 2 | 1016.5      | 1016.497115 |
| EEEIAALVDNGSGMCKAGFAGDDAPR       | P63260 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6289.483398 | 3 | 955.4400024 | 955.1127513 |
| EEEIAALVDNGSGMCKAGFAGDDAPR       | P63260 | 0.0015083  | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6292.728027 | 2 | 1433.160034 | 1432.165489 |
| AAPEEQDLTQEQT EKLQFQDLTGIESMEQCR | Q3TDN2 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6295.953125 | 3 | 1279.939941 | 1279.27155  |
| VHLTDAEKA AVSCLWGK VNSDEVGGEALGR | P02088 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6297.591797 | 3 | 1089.22998  | 1089.553991 |
| MESALDQLKQF                      | Q93092 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6299.391602 | 2 | 690.3499756 | 690.3474064 |
| MDLFGDLPEPER                     | Q8R0F6 | 0          | N-term +42.01 Da,                         | 6299.95459  | 2 | 730.8400269 | 730.8399458 |
| ASFVTEVLAH                       | O54692 | 0          | N-term +42.01 Da,                         | 6303.424316 | 2 | 558.289978  | 558.2902167 |
| MFSWLGNDDR                       | Q9QXY6 | 0          | N-term +42.01 Da,                         | 6306.658203 | 2 | 641.7779541 | 641.7796906 |
| LQFWTETLPR                       | Q63880 | 0          | N-term +42.01 Da,                         | 6309.304199 | 2 | 666.3599854 | 666.8509729 |
| ATDSWALAVDEQEAAVKSM              | Q61655 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6312.217773 | 2 | 1047        | 1046.498801 |
| AANATTNPSQLLPLELVDKICGSR         | P62322 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6315.944336 | 2 | 1320.180054 | 1319.697084 |
| MDPSWATQESEAVAEKVL R             | Q9EPQ7 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6317.9375   | 2 | 1109.550049 | 1109.046449 |
| DDDIAALVVDNGSGMCKAGF             | P60710 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6319.222168 | 2 | 1063.47998  | 1062.98246  |
| MEHAFTPLELLPTGNLKY               | Q9R0M5 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6320.976074 | 2 | 1121.579956 | 1121.084845 |
| ASGVAVSDGVIKVFNDMKVR             | P18760 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6322.804688 | 3 | 731.4099731 | 730.7365548 |
| MDPSWATQESEAVAEKVL R             | Q9EPQ7 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6323.04541  | 3 | 740.0300293 | 739.7000583 |
| EEEIAALVDNGSGMCKA                | P63260 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6324.933105 | 2 | 989.4799805 | 988.9688214 |
| MESALDQLKQF                      | Q93092 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6331.942383 | 2 | 690.3460083 | 690.3474064 |
| SALKAVFQYIDENQDR                 | Q9D1A2 | 0.00054945 | N-term +42.01 Da, K +28.03 Da,            | 6334.634277 | 2 | 983.9899902 | 983.9970846 |
| ASFVTEVLAH                       | O54692 | 0          | N-term +42.01 Da,                         | 6335.692871 | 2 | 558.289978  | 558.2902167 |
| MFSWLGNDDR                       | Q9QXY6 | 0          | N-term +42.01 Da,                         | 6337.533691 | 2 | 641.7800293 | 641.7796906 |
| GLDPAFTPATGTPVLGGLSYR            | Q61176 | 0.0014918  | N-term +42.01 Da,                         | 6337.912109 | 2 | 1067.540039 | 1066.554767 |
| MQNDAGEFVDLYVPR                  | Q9CQR2 | 0          | N-term +42.01 Da,                         | 6340.976563 | 2 | 899.4099731 | 898.4196237 |
| SGALDVLQMKEEDVLKF                | P14206 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6344.838379 | 2 | 1010.530029 | 1010.537197 |
| MDPSWATQESEAVAEKVL R             | Q9EPQ7 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6348.317871 | 2 | 1109.04541  | 1109.046449 |
| ADQLTEEQIAEFKEAF                 | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6348.54248  | 2 | 969.9699707 | 969.9702015 |
| DDDIAALVVDNGSGMCKAGF             | P60710 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6350.321289 | 2 | 1063.969971 | 1062.98246  |
| MDPSWATQESEAVAEKVL R             | Q9EPQ7 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6353.86377  | 3 | 739.6989746 | 739.7000583 |
| SGALDVLQMKEEDVLKF                | P14206 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6356.21875  | 3 | 674.3599854 | 674.0272233 |
| ASGVAVSDGVIKVFNDMKVR             | P18760 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6358.913574 | 3 | 731.4000244 | 730.7365548 |
| AANATTNPSQLLPLELVDKC             | P62322 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6359.703125 | 2 | 1114.079956 | 1113.077749 |
| TEFWLISAPGKTC                    | Q9Z1G3 | 0.03820319 | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6361.687012 | 2 | 854.9199829 | 854.9161852 |
| AANATTNPSQLLPLELVDKC             | P62322 | 0.00057078 | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6363.398438 | 2 | 1113.079956 | 1113.077749 |
| SALKAVFQYIDENQDR                 | Q9D1A2 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6365.074707 | 2 | 983.9899902 | 983.9970846 |
| SALKAVFQYIDENQDR                 | Q9D1A2 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6365.962891 | 3 | 657         | 656.3338152 |
| AGDLEGGKSLSGLLSGLAQN AFHGH       | Q8K4M5 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6368.084473 | 3 | 836.0999756 | 836.0943476 |

|                                   |        |            |   |             |   |             |             |
|-----------------------------------|--------|------------|---|-------------|---|-------------|-------------|
| AANATTNPSQLLPLELVDKC              | P62322 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6368.713867 | 3 | 742.3800049 | 742.3875917 |
| ADLSLVDALTEPPPEIEGEIKR            | P27546 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6372.797363 | 3 | 822.1099854 | 821.4390097 |
| SGALDVLQMKKEEDVLKF                | P14206 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6375.625    | 2 | 1010.535522 | 1010.537197 |
| SALKAVFQYIDENQDR                  | Q9D1A2 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6376.21875  | 3 | 656.3300171 | 656.3338152 |
| ADQLTEEQIAEFKEAF                  | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6379.145996 | 2 | 969.9699707 | 969.9702015 |
| MQNDAGEFVDLYVPR                   | Q9CQR2 | 0.00699953 | N-term +42.01 Da,                         | 6379.723145 | 2 | 897.9199829 | 898.4196237 |
| ADLSLVDALTEPPPEIEGEIKR            | P27546 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6382.35498  | 3 | 821.4400024 | 821.4390097 |
| ATALSEEELDNEDYYSLLNVR             | Q5U458 | 0          | N-term +42.01 Da,                         | 6383.32666  | 2 | 1243.579956 | 1243.582106 |
| AELQQLQLQEFDIPTGR                 | Q8BYZ1 | 0          | N-term +42.01 Da,                         | 6384.975098 | 2 | 1079.050049 | 1078.552756 |
| DDDIAALVVDNGSGMKAGF               | P60710 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6386.846191 | 2 | 1063.47998  | 1062.98246  |
| ATALSEEELDNEDYYSLLNVR             | Q5U458 | 0          | N-term +42.01 Da,                         | 6387.099121 | 3 | 829.3900146 | 829.3904962 |
| DDDIAALVVDNGSGMKAGF               | P60710 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6395.76416  | 3 | 709.3200073 | 708.9907324 |
| AELQQLQLQEFDIPTGR                 | Q8BYZ1 | 0          | N-term +42.01 Da,                         | 6396.085938 | 2 | 1079.550049 | 1078.552756 |
| AELQQLQLQEFDIPTGR                 | Q8BYZ1 | 0          | N-term +42.01 Da,                         | 6396.770996 | 3 | 719.3699951 | 719.3709294 |
| ADLSLVDALTEPPPEIEGEIKR            | P27546 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6397.135742 | 2 | 1232.650024 | 1231.654876 |
| ADLSLVDALTEPPPEIEGEIKR            | P27546 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6403.735352 | 3 | 821.7700195 | 821.4390097 |
| AADISQWAGPLCLQEVEPPQH             | P70296 | 0          | N-term +42.01 Da, C +57.02Da,             | 6404.393555 | 3 | 835.3900146 | 835.0567938 |
| ATALSEEELDNEDYYSLLNVR             | Q5U458 | 0          | N-term +42.01 Da,                         | 6405.939453 | 2 | 1244.579956 | 1243.582106 |
| ASGVAVSDGVIKVFNDMKVR              | P18760 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6406.772461 | 3 | 731.4000244 | 730.7365548 |
| SGALDVLQMKKEEDVLKF                | P14206 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6407.902344 | 2 | 1011.039978 | 1010.537197 |
| ADQLTEEQIAEFKEAF                  | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6409.870605 | 2 | 970.4699707 | 969.9702015 |
| AADISQWAGPLCLQEVEPPQH             | P70296 | 0          | N-term +42.01 Da, C +57.02Da,             | 6410.013184 | 2 | 1253.079956 | 1252.081552 |
| AALAPLPPLPAQFKSIQ                 | Q9CR26 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6410.644043 | 3 | 611.6900024 | 611.3608646 |
| AADISQWAGPLCLQEVEPPQH             | P70296 | 0          | N-term +42.01 Da, C +57.02Da,             | 6412.243164 | 3 | 835.0562744 | 835.0567938 |
| VHLTDAEKAAVSCLWGKVNSEVGGGALGR     | P02088 | 0.0337126  | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6415.012207 | 3 | 1089.540039 | 1089.553991 |
| DDDIAALVVDNGSGMKAGF               | P60710 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6418.342285 | 2 | 1063.474365 | 1062.98246  |
| AAAAAAAAAAGDSDSWDADTFMEDPVR       | Q66J56 | 0          | N-term +42.01 Da,                         | 6423.256348 | 3 | 952.0800171 | 951.7471259 |
| DDDIAALVVDNGSGMKAGF               | P60710 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6426.058594 | 3 | 709.3200073 | 708.9907324 |
| SDTSEEIPNFEEMFASR                 | Q9CQY2 | 0          | N-term +42.01 Da,                         | 6426.961426 | 2 | 1016.429993 | 1015.936033 |
| MEANGFGLQNFPELKNDFLRL             | P70697 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6427.726563 | 2 | 1256.619995 | 1256.12048  |
| ADLSLVDALTEPPPEIEGEIKR            | P27546 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6428.112793 | 2 | 1232.150024 | 1231.654876 |
| TEWEAATPAVAETPDIKLFGKW            | P97461 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6430.999023 | 2 | 1280.160034 | 1279.662504 |
| AAAAAEASGPSCSSAAAAAGAGAAGVSEWLVLR | Q88738 | 0          | N-term +42.01 Da, C +57.02Da,             | 6433.083984 | 3 | 1001.48999  | 1000.820848 |
| ADLSLVDALTEPPPEIEGEIKR            | P27546 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6434.60498  | 3 | 821.7700195 | 821.4390097 |
| VHLTDAEKAAVSCLWGKVNSEVGGGALGR     | P02088 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6436.932617 | 3 | 1090.219971 | 1089.553991 |
| VHLTDAEKAAVSCLWGKVNSEVGGGALGR     | P02088 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6437.035156 | 4 | 817.1699829 | 817.4173122 |
| VHLTDAEKAAVSCLWGKVNSEVGGGALGR     | P02088 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6438.016113 | 3 | 1089.880005 | 1089.553991 |
| TEWEAATPAVAETPDIKLFGKW            | P97461 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6439.448242 | 3 | 853.4400024 | 853.4440947 |
| VHLTDAEKAAVSCLWGKVNSEVGGGALGR     | P02088 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6448.554688 | 4 | 817.9199829 | 817.4173122 |
| MEANGFGLQNFPELKNDFLRL             | P70697 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6448.747559 | 3 | 838.4099731 | 837.7494122 |

|                               |        |            |   |             |   |             |             |
|-------------------------------|--------|------------|---|-------------|---|-------------|-------------|
| DDDIAALVVDNGSGMCKAGF          | P60710 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6449.355957 | 2 | 1063.969971 | 1062.98246  |
| DDDIAALVVDNGSGMCKAGF          | P60710 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6449.49707  | 2 | 1063.469971 | 1062.98246  |
| ADQLTEEQIAEFKEAF              | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6457.59082  | 2 | 970.4699707 | 969.9702015 |
| ADLSLVDALTEPPPEIEGEIKR        | P27546 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6458.440918 | 2 | 1231.650024 | 1231.654876 |
| DDDIAALVVDNGSGMCKAGF          | P60710 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6459.893555 | 2 | 1062.97998  | 1062.98246  |
| MEEGMNILDHDFGIQSTR            | P35576 | 0          | N-term +42.01 Da,                         | 6460.137207 | 2 | 1011.469971 | 1010.46678  |
| TEWEAATPAVAETPDIKLFGKW        | P97461 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6462.558594 | 2 | 1280.660034 | 1279.662504 |
| ADLSLVDALTEPPPEIEGEIKR        | P27546 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6464.958984 | 3 | 821.4372559 | 821.4390097 |
| ADQLTEEQIAEFKEAF              | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6466.679199 | 2 | 969.9699707 | 969.9702015 |
| ASGVAVSDGVIKVFNDMKVR          | P18760 | 0.02405949 | N-term +42.01 Da, K +28.03 Da,            | 6469.291992 | 3 | 731.4000244 | 730.7365548 |
| AADISQWAGPLC                  | P70296 | 0.03129018 | N-term +42.01 Da, C +57.02Da,             | 6475.638672 | 2 | 665.8099976 | 665.8084482 |
| DDDIAALVVDNGSGMCKAGF          | P60710 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6481.26416  | 2 | 1063.97998  | 1062.98246  |
| TDAAVSFAKDFLAGGVAASIKTAVAPIER | P51881 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6485.00293  | 3 | 1016.22998  | 1015.892161 |
| MEANGFGLQNFPELKNDFLR          | P70697 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6490.305664 | 2 | 1256.609985 | 1256.12048  |
| AATSEGPLFAASIEKTWGSVVR        | Q80YV2 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6491.870605 | 2 | 1174.609985 | 1174.118263 |
| AATSEGPLFAASIEKTWGSVVR        | Q80YV2 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6498.057129 | 2 | 1175.119995 | 1174.118263 |
| MDELQDVQLTEIKPL               | Q9QYF9 | 0.00702247 | N-term +42.01 Da, K +28.03 Da,            | 6499.561035 | 2 | 921.4799805 | 921.48189   |
| MDEMATTQISKDELDELKEAF         | Q99K51 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6503.020996 | 2 | 1272.599976 | 1271.600595 |
| VHLTDAEKAASVCLWGKVNSEVGGALGR  | P02088 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6504.699219 | 3 | 1089.540039 | 1089.553991 |
| MEQASKTVQDALSSVQESDIIVAR      | P33622 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6505.634277 | 3 | 911.7999878 | 911.4638898 |
| ADQLTEEQIAEFKEAF              | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6506.008789 | 2 | 969.9699707 | 969.9702015 |
| SPDRLADINYEGRLEAVSRK          | Q6PFD9 | 0.02616659 | N-term +42.01 Da, K +28.03 Da,            | 6509.73291  | 2 | 1181.140015 | 1180.121869 |
| AAGAAAALAFLNQESR              | Q9CPP0 | 0          | N-term +42.01 Da,                         | 6510.188965 | 2 | 802.4199829 | 801.9153652 |
| ASGVAVSDGVIKVFNDM             | P18760 | 0.00055772 | N-term +42.01 Da, K +28.03 Da,            | 6513.454102 | 2 | 889.960022  | 889.9532993 |
| DDDIAALVVDNGSGMCKAGF          | P60710 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6514.478027 | 2 | 1063.469971 | 1062.98246  |
| ADQLTEEQIAEFKEAF              | P62204 | 0.01442091 | N-term +42.01 Da, K +28.03 Da,            | 6516.859375 | 3 | 646.9833374 | 646.9825598 |
| ALTSFLPAPTQLSQDQLEAEER        | Q9CSN1 | 0          | N-term +42.01 Da,                         | 6518.27002  | 2 | 1244.130005 | 1243.624108 |
| ALTSFLPAPTQLSQDQLEAEER        | Q9CSN1 | 0          | N-term +42.01 Da,                         | 6520.420898 | 3 | 829.75      | 829.4184973 |
| MDEMATTQISKDELDELKEAF         | Q99K51 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6521.32666  | 3 | 848.0698853 | 848.0694891 |
| PFVELETNLPASR                 | Q35215 | 0          | N-term +42.01 Da,                         | 6524.775391 | 2 | 758.4000244 | 757.8961096 |
| MDEMATTQISKDELDELKEAF         | Q99K51 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6534.404785 | 2 | 1272.599976 | 1271.600595 |
| ADQLTEEQIAEFKEAF              | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6536.352051 | 2 | 969.9683228 | 969.9702015 |
| MILGYWNVR                     | P10649 | 0.00056818 | N-term +42.01 Da,                         | 6537.185547 | 2 | 597.3099976 | 597.3104286 |
| SPDRLADINYEGRLEAVSRK          | Q6PFD9 | 0.02532751 | N-term +42.01 Da, K +28.03 Da,            | 6540.076172 | 2 | 1180.141724 | 1180.121869 |
| AAGAAAALAFLNQESR              | Q9CPP0 | 0          | N-term +42.01 Da,                         | 6540.419434 | 2 | 801.9136963 | 801.9153652 |
| ASGVAVSDGVIKVFNDM             | P18760 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6543.547852 | 2 | 889.9500122 | 889.9532993 |
| AQFGSDLDAATQQLLSR             | Q03265 | 0.00056593 | N-term +42.01 Da,                         | 6546.862305 | 2 | 932.960022  | 931.9657845 |
| ADQLTEEQIAEFKEAF              | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6547.419434 | 3 | 646.9799805 | 646.9825598 |
| AETLEFNDIFQEVKGSMDGR          | Q08943 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6552.564453 | 2 | 1236.089966 | 1235.581385 |
| AADLGQIPDVIDSDGVFKY           | Q9DAK9 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6556.305664 | 2 | 1105.040039 | 1104.53898  |



|                                 |        |            |   |             |   |             |             |
|---------------------------------|--------|------------|---|-------------|---|-------------|-------------|
| LQFWTETLPR                      | Q63880 | 0          | N-term +42.01 Da,                         | 6558.332031 | 2 | 666.3499756 | 666.8509729 |
| AADLGQIPDVIDSDGVFKY             | Q9DAK9 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6558.414551 | 3 | 736.6900024 | 736.695079  |
| ATLCLFMDGTLTAPR                 | Q9Z2M7 | 0          | N-term +42.01 Da, C +57.02Da,             | 6558.501465 | 2 | 912.4299927 | 912.4369592 |
| ADQLTEEQIAEFKEAF                | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6566.654297 | 2 | 969.9683838 | 969.9702015 |
| DDIAALVVDNGSGMCKAGF             | P60710 | 0.00155199 | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6577.058594 | 2 | 1063.969971 | 1062.98246  |
| ADQLTEEQIAEFKEAF                | P62204 | 0.0325857  | N-term +42.01 Da, K +28.03 Da,            | 6577.604004 | 3 | 646.9799805 | 646.9825598 |
| AAAAAAAAAAAAAGDSDSWDADTFMEDPVR  | Q66JS6 | 0          | N-term +42.01 Da,                         | 6579.470215 | 3 | 975.4299927 | 975.426164  |
| DDIAALVVDNGSGMCKAGF             | P60710 | 0.00105152 | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6580.739258 | 2 | 1063.47998  | 1062.98246  |
| AADLGQIPDVIDSDGVFKY             | Q9DAK9 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6587.503418 | 2 | 1105.030029 | 1104.53898  |
| ASALEQFVNSVR                    | O88543 | 0          | N-term +42.01 Da,                         | 6587.630859 | 2 | 681.8499756 | 681.8542445 |
| ADQLTEEQIAEFKEAF                | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6598.002441 | 2 | 969.9684448 | 969.9702015 |
| ASALEQFVNSVR                    | O88543 | 0          | N-term +42.01 Da,                         | 6605.5625   | 2 | 682.8599854 | 681.8542445 |
| ADQLTEEQIAEFKEAF                | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6608.146973 | 3 | 647.3200073 | 646.9825598 |
| ADQLTEEQIAEFKEAF                | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6609.304199 | 3 | 646.9799805 | 646.9825598 |
| ADQLTEEQIAEFKEAF                | P62204 | 0.03119658 | N-term +42.01 Da, K +28.03 Da,            | 6611.043457 | 3 | 647.6500244 | 646.9825598 |
| DDIAALVVDNGSGMCKAGF             | P60710 | 0.00053937 | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6611.529785 | 2 | 1063.473389 | 1062.98246  |
| MDDSEVESTASILASVKEQEAQFEKLTR    | P30999 | 0.00148368 | N-term +42.01 Da, K +28.03 Da,            | 6613.506836 | 3 | 1081.199951 | 1080.537784 |
| AADLGQIPDVIDSDGVFKY             | Q9DAK9 | 0.00381134 | N-term +42.01 Da, K +28.03 Da,            | 6617.848633 | 2 | 1104.540039 | 1104.53898  |
| MDDSEVESTASILASVKEQEAQFEKLTR    | P30999 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6621.665527 | 3 | 1080.869995 | 1080.537784 |
| ADQLTEEQIAEFKEAF                | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6629.440918 | 2 | 969.9688721 | 969.9702015 |
| ATLCLFMDGTLTAPR                 | Q9Z2M7 | 0          | N-term +42.01 Da, C +57.02Da,             | 6640.246094 | 2 | 912.9400024 | 912.4369592 |
| ADQLTEEQIAEFKEAF                | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6640.791504 | 3 | 646.9799805 | 646.9825598 |
| DDIAALVVDNGSGMCKAGF             | P60710 | 0.00104493 | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6641.711426 | 2 | 1063.473999 | 1062.98246  |
| MDSYVIQTNVNDLPSVLDVR            | Q8QZR1 | 0.02043536 | N-term +42.01 Da,                         | 6646.538574 | 2 | 1203.589966 | 1204.094128 |
| ADQLTEEQIAEFKEAF                | P62204 | 0.00521574 | N-term +42.01 Da, K +28.03 Da,            | 6648.382324 | 3 | 647.3200073 | 646.9825598 |
| SVFDLFR                         | O35387 | 0.02200704 | N-term +42.01 Da,                         | 6649.987793 | 2 | 463.2422485 | 463.2425375 |
| MDSYVIQTNVNDLPSVLDVR            | Q8QZR1 | 0          | N-term +42.01 Da,                         | 6653.740234 | 2 | 1204.589966 | 1204.094128 |
| STIQLQSFDPFADATKGDLLPAGTEDYIHIR | Q9CXU9 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6657.822754 | 3 | 1240.949951 | 1240.279362 |
| MDAVLSDFVR                      | B2RUR8 | 0          | N-term +42.01 Da,                         | 6657.939453 | 2 | 598.2999878 | 597.7948091 |
| ADQLTEEQIAEFKEAF                | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6659.746094 | 2 | 969.9696655 | 969.9702015 |
| AADISQWAGPLCLQEVDEPPQHAL        | P70296 | 0          | N-term +42.01 Da, C +57.02Da,             | 6665.130371 | 3 | 896.7600098 | 896.4305199 |
| MDDSEVESTASILASVKEQEAQFEKLTR    | P30999 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6665.321289 | 3 | 1080.530029 | 1080.537784 |
| AAAAAAAAAAAAAGDSDSWDADTFMEDPVR  | Q66JS6 | 0          | N-term +42.01 Da,                         | 6671.016113 | 2 | 1463.640015 | 1462.635608 |
| ATLCLFMDGTLTAPR                 | Q9Z2M7 | 0          | N-term +42.01 Da, C +57.02Da,             | 6672.706055 | 2 | 912.4364624 | 912.4369592 |
| AAAAAAAAAAAAAGDSDSWDADTFMEDPVR  | Q66JS6 | 0          | N-term +42.01 Da,                         | 6672.833008 | 3 | 976.0900269 | 975.426164  |
| DDIAALVVDNGSGMCKAGF             | P60710 | 0.02083333 | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6672.98291  | 2 | 1063.969971 | 1062.98246  |
| AADISQWAGPLCLQEVDEPPQHAL        | P70296 | 0          | N-term +42.01 Da, C +57.02Da,             | 6673.166504 | 2 | 1344.640015 | 1344.142142 |
| ADQLTEEQIAEFKEAF                | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6679.062988 | 3 | 646.9799805 | 646.9825598 |
| AADISQWAGPLCLQEVDEPPQHAL        | P70296 | 0          | N-term +42.01 Da, C +57.02Da,             | 6682.047363 | 3 | 896.4299927 | 896.4305199 |
| AADLGQIPDVIDSDGVFKY             | Q9DAK9 | 0.00054025 | N-term +42.01 Da, K +28.03 Da,            | 6686.51709  | 2 | 1105.550049 | 1104.53898  |

|                                       |        |            |   |             |   |             |             |
|---------------------------------------|--------|------------|---|-------------|---|-------------|-------------|
| DDDIAALVVDNGSGMC                      | P60710 | 0.00383142 | N-term +42.01 Da, C +57.02Da,             | 6686.795898 | 2 | 847.3499756 | 847.3558324 |
| ADQLTEEQIAEFKEAF                      | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6691.037598 | 2 | 969.9709473 | 969.9702015 |
| VHLTDAEKSAVSLWAKVNPDEVGGEALGR         | P02089 | 0.04985579 | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6695.441406 | 3 | 1103.569946 | 1102.897757 |
| AAAAAAAAAAAAAGDSDSWDADTFMEDPVR        | Q66JS6 | 0          | N-term +42.01 Da,                         | 6701.961426 | 2 | 1462.637451 | 1462.635608 |
| AAAAAAAAAAAAAGDSDSWDADTFMEDPVR        | Q66JS6 | 0          | N-term +42.01 Da,                         | 6704.423828 | 3 | 975.4277954 | 975.426164  |
| ADPWQECMDYAVILAR                      | O55023 | 0          | N-term +42.01 Da, C +57.02Da,             | 6714.226074 | 2 | 990.4500122 | 990.4531407 |
| VHLTDAEKSAVSLWAKVNPDEVGGEALGR         | P02089 | 0.00614657 | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6714.461914 | 3 | 1102.560059 | 1102.897757 |
| DDDIAALVVDNGSGMC                      | P60710 | 0.00154879 | N-term +42.01 Da, C +57.02Da,             | 6717.852539 | 2 | 847.3599854 | 847.3558324 |
| ADQLTEEQIAEFKEAF                      | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6723.04248  | 2 | 969.97052   | 969.9702015 |
| ADQLTEEQIAEFKEAF                      | P62204 | 0.03184713 | N-term +42.01 Da, K +28.03 Da,            | 6733.789063 | 3 | 647.3200073 | 646.9825598 |
| TEWEAATPAVAETPDIKLF                   | P97461 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6735.750977 | 2 | 1080.046509 | 1080.048983 |
| AAAAAAAAAAAAAGDSDSWDADTFMEDPVR        | Q66JS6 | 0          | N-term +42.01 Da,                         | 6736.060059 | 3 | 975.7600098 | 975.426164  |
| ADQLTEEQIAEFKEAF                      | P62204 | 0.00193611 | N-term +42.01 Da, K +28.03 Da,            | 6739.587402 | 3 | 647.6500244 | 646.9825598 |
| CDFTEDQTAEFKEAFQLFDR                  | Q60605 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6740.474609 | 2 | 1285.069946 | 1284.073393 |
| CDFTEDQTAEFKEAFQLFDR                  | Q60605 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6743.740234 | 3 | 857.0499878 | 856.3846878 |
| TEWEAATPAVAETPDIKLF                   | P97461 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6744.601563 | 3 | 720.3699951 | 720.3684144 |
| MLGTGPAVATASAATSSNVSVLQQFASGLKSR      | Q9JLN9 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6746.844238 | 3 | 1059.880005 | 1059.890603 |
| GVVDNFLLKALR                          | P30115 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6749.511719 | 2 | 757.4500122 | 756.4508543 |
| ADQLTEEQIAEFKEAF                      | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6753.880371 | 2 | 969.9691772 | 969.9702015 |
| LSPTNCDASEPLAEKVLDLINKGR              | Q9ESB3 | 0.00054645 | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6764.787109 | 3 | 914.1500244 | 913.4846248 |
| LLIVYPWTQR                            | P04443 | 0.00057438 | N-term +42.01 Da,                         | 6765.303223 | 2 | 665.3699951 | 665.879533  |
| TEWEAATPAVAETPDIKLF                   | P97461 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6768.181641 | 2 | 1080.048096 | 1080.048983 |
| MEATLEQHLEDTMKNPSIVGLCTDSQGLNLGCR     | Q9D1L9 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6771.407227 | 3 | 1296.949951 | 1296.28626  |
| ADQLTEEQIAEFKEAF                      | P62204 | 0.02240773 | N-term +42.01 Da, K +28.03 Da,            | 6772.293457 | 3 | 646.9799805 | 646.9825598 |
| CDFTEDQTAEFKEAFQLFDR                  | Q60605 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6772.868164 | 2 | 1284.071777 | 1284.073393 |
| CDFTEDQTAEFKEAFQLFDR                  | Q60605 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6774.680176 | 3 | 856.7199707 | 856.3846878 |
| MDSGFGSDFGGTGGGKLDPGAIMEQVKVQIA       | P62075 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6777.878418 | 3 | 1056.849976 | 1056.517778 |
| GVVDNFLLKALR                          | P30115 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6779.70459  | 2 | 757.4398193 | 756.4508543 |
| SVIFAPDWLR                            | Q9D174 | 0.00149328 | N-term +42.01 Da,                         | 6780.361328 | 2 | 623.3300171 | 623.3349583 |
| ADQLTEEQIAEFKEAF                      | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6784.43457  | 2 | 969.9678345 | 969.9702015 |
| MEATLEQHLEDTMKNPSIVGLCTDSQGLNLGCR     | Q9D1L9 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6784.956543 | 3 | 1296.619995 | 1296.28626  |
| ADQLTEEQIAEFKEAFSLFDKGDGDTITTKELGTVMR | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6785.230957 | 4 | 1065.790039 | 1065.787167 |
| ALPIIVKWGGQEY                         | Q8BGR9 | 0.03109029 | N-term +42.01 Da, K +28.03 Da,            | 6791.929199 | 2 | 772.9299927 | 772.4295878 |
| MDSGFGSDFGGTGGGKLDPGAIMEQVKVQIA       | P62075 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6793.581543 | 3 | 1056.530029 | 1056.517778 |
| ADQLTEEQIAEFKEAF                      | P62204 | 0.00055218 | N-term +42.01 Da, K +28.03 Da,            | 6803.844727 | 3 | 646.9799805 | 646.9825598 |
| CDFTEDQTAEFKEAFQLFDR                  | Q60605 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6804.187988 | 2 | 1284.569946 | 1284.073393 |
| MENLFQLVR                             | Q9CZ42 | 0.01964286 | N-term +42.01 Da,                         | 6805.211914 | 2 | 596.8200073 | 596.3131687 |
| CDFTEDQTAEFKEAFQLFDR                  | Q60605 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6807.355957 | 3 | 856.3845825 | 856.3846878 |
| AIAELGIYPVDPDLDSTSR                   | P56480 | 0.00153453 | N-term +42.01 Da,                         | 6808.744141 | 2 | 1016.51001  | 1015.525675 |
| VHLTDAEKAAVSLWGVNSDEVGGEALGR          | P02088 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6813.219238 | 3 | 1089.209961 | 1089.553991 |

|   |        |            |   |             |   |             |             |
|---|--------|------------|---|-------------|---|-------------|-------------|
| ADQLTEEQIAEFKEAF                          | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6815.624023 | 2 | 969.970459  | 969.9702015 |
| MEPAAEILVSDPDVVVSPETIEAR                  | Q9JHU9 | 0          | N-term +42.01 Da,                         | 6818.540039 | 2 | 1338.160034 | 1337.151841 |
| MEPAAEILVSDPDVVVSPETIEAR                  | Q9JHU9 | 0          | N-term +42.01 Da,                         | 6818.697754 | 3 | 892.1099854 | 891.7703197 |
| ADQLTEEQIAEFKEAFSLFDKDGDTITTKELGTVMR      | P62204 | 0.01371115 | N-term +42.01 Da, K +28.03 Da,            | 6818.887695 | 4 | 1066.290039 | 1065.787167 |
| TEWEAATPAVAETPDIKLF                       | P97461 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6822.081055 | 2 | 1080.050049 | 1080.048983 |
| SFIPVAEDSDFPIQNLPGYGFSTQSNPKPR            | P35505 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6825.57666  | 3 | 1141.23999  | 1140.90854  |
| CDFTEDQTAEFKEAFQLFDR                      | Q60605 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6835.180664 | 2 | 1284.569946 | 1284.073393 |
| MENLFQLVR                                 | Q9CZ42 | 0.00105876 | N-term +42.01 Da,                         | 6835.62793  | 2 | 596.3120728 | 596.3131687 |
| SFIPVAEDSDFPIQNLPGYGFSTQSNPKPR            | P35505 | 0.00055866 | N-term +42.01 Da, K +28.03 Da,            | 6835.749512 | 4 | 856.4299927 | 855.9332238 |
| CDFTEDQTAEFKEAFQLFDR                      | Q60605 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6842.044922 | 3 | 856.3800049 | 856.3846878 |
| ADQLTEEQIAEFKEAF                          | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6846.367676 | 2 | 969.9702759 | 969.9702015 |
| MEPAAEILVSDPDVVVSPETIEAR                  | Q9JHU9 | 0          | N-term +42.01 Da,                         | 6850.728516 | 3 | 892.4400024 | 891.7703197 |
| MEPAAEILVSDPDVVVSPETIEAR                  | Q9JHU9 | 0          | N-term +42.01 Da,                         | 6850.830078 | 2 | 1337.650024 | 1337.151841 |
| SFIPVAEDSDFPIQNLPGYGFSTQSNPKPR            | P35505 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6856.102051 | 3 | 1141.579956 | 1140.90854  |
| CDFTEDQTAEFKEAFQLFDR                      | Q60605 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6866.558594 | 2 | 1284.569946 | 1284.073393 |
| MKPAVDEMFPPEGAGPYVDLDEAGGSTGLLMDLAANEKAVH | Q3U898 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6869.62207  | 4 | 1062.27002  | 1061.761366 |
| SFIPVAEDSDFPIQNLPGYGFSTQSNPKPR            | P35505 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6871.594727 | 4 | 856.1799927 | 855.9332238 |
| DDDIAALVVDNGSGM                           | P60710 | 0.01361162 | N-term +42.01 Da,                         | 6874.528809 | 2 | 767.3400269 | 767.3405079 |
| MKPAVDEMFPPEGAGPYVDLDEAGGSTGLLMDLAANEKAVH | Q3U898 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6877.162109 | 3 | 1416.02002  | 1415.346062 |
| ADQLTEEQIAEFKEAFSLFDKDGDTITTKELGTVMR      | P62204 | 0.00057176 | N-term +42.01 Da, K +28.03 Da,            | 6877.526367 | 4 | 1066.290039 | 1065.787167 |
| ADQLTEEQIAEFKEAF                          | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6878.467773 | 2 | 969.968689  | 969.9702015 |
| MEPAAEILVSDPDVVVSPETIEAR                  | Q9JHU9 | 0          | N-term +42.01 Da,                         | 6883.333984 | 2 | 1337.660034 | 1337.151841 |
| LTAIELELAGNAAR                            | P22752 | 0.00056306 | N-term +42.01 Da,                         | 6885.608887 | 2 | 743.4000244 | 742.4093842 |
| MADVVFVGVPSVIVSR                          | Q8VCT4 | 0.00703895 | N-term +42.01 Da,                         | 6886.297852 | 2 | 810.4299927 | 809.4370872 |
| MEPAAEILVSDPDVVVSPETIEAR                  | Q9JHU9 | 0          | N-term +42.01 Da,                         | 6886.75     | 2 | 1338.150024 | 1337.151841 |
| SFIPVAEDSDFPIQNLPGYGFSTQSNPKPR            | P35505 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6888.012695 | 3 | 1140.908936 | 1140.90854  |
| ASGVAVSDGVIKVFNMDMKVR                     | P18760 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6892.043945 | 3 | 731.4099731 | 730.7365548 |
| CDFTEDQTAEFKEAFQLFDR                      | Q60605 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6898.264648 | 2 | 1284.069946 | 1284.073393 |
| AKDLDELLDEVETKFCR                         | Q3UJP5 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6899.212891 | 3 | 727.3699951 | 727.036559  |
| SFIPVAEDSDFPIQNLPGYGFSTQSNPKPR            | P35505 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6902.89502  | 4 | 856.4299927 | 855.9332238 |
| FQLQYMGHYLIREERKDPDR                      | E9PZQ1 | 0.02769364 | N-term +42.01 Da, K +28.03 Da,            | 6903.023926 | 3 | 921.4699707 | 921.1341487 |
| DDDIAALVVDNGSGM                           | P60710 | 0          | N-term +42.01 Da,                         | 6905.29248  | 2 | 767.34021   | 767.3405079 |
| MLVVGSELQSDAQQLSAEAPR                     | P07607 | 0          | N-term +42.01 Da,                         | 6908.995117 | 3 | 758.0499878 | 757.7143677 |
| ADQLTEEQIAEFKEAF                          | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6909.597656 | 2 | 969.9700928 | 969.9702015 |
| ADQLTEEQIAEFKEAFSLFDKDGDTITTK             | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6910.680664 | 3 | 1158.589966 | 1158.578526 |
| SFIPVAEDSDFPIQNLPGYGFSTQSNPKPR            | P35505 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6920.145508 | 3 | 1141.23999  | 1140.90854  |
| CDFTEDQTAEFKEAFQLFDR                      | Q60605 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6920.878906 | 3 | 856.7199707 | 856.3846878 |
| ADQLTEEQIAEFKEAFSLFDKDGDTITTK             | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6927.813477 | 4 | 869.6900024 | 869.1857134 |
| AEAAAAGASGETMAALVAAEGLGPAGWSAGR           | P97364 | 0          | N-term +42.01 Da,                         | 6928.769531 | 3 | 967.4699707 | 967.4662934 |
| CDFTEDQTAEFKEAFQLFDR                      | Q60605 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6931.319336 | 2 | 1285.079956 | 1284.073393 |

|                                      |        |            |   |             |   |             |             |
|--------------------------------------|--------|------------|---|-------------|---|-------------|-------------|
| MEEVVAEELDDEEQLVR                    | Q8K2H2 | 0          | N-term +42.01 Da,                         | 6932.272949 | 2 | 1038.47998  | 1037.977899 |
| ATTAELFEEPFVADEYIER                  | Q3TPX4 | 0          | N-term +42.01 Da,                         | 6935.20752  | 2 | 1137.540039 | 1136.536438 |
| VNPTVFFDITADDEPLGR                   | P17742 | 0          | N-term +42.01 Da,                         | 6937.336426 | 2 | 1025.01001  | 1024.5022   |
| EELDPGVVDNFLLKALR                    | P30115 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6937.741699 | 2 | 1049.063721 | 1048.075335 |
| MFGGLSSWLGKPPGGAAAEGERPPSR           | Q9D5V6 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6938.349121 | 3 | 947.4799805 | 947.4689748 |
| MLAELGFIR                            | Q921N6 | 0.00054496 | N-term +42.01 Da,                         | 6938.580078 | 2 | 546.2991943 | 546.2995296 |
| KVADALASAAGHLDDLPGALSALSDLHAH        | P01942 | 0.00053107 | N-term +42.01 Da, K +28.03 Da,            | 6939.929199 | 4 | 727.8800049 | 727.3806266 |
| ADQLTEEQIAEFKEAF                     | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6942.40625  | 2 | 969.9708252 | 969.9702015 |
| ADQLTEEQIAEFKEAFSLFDKDGDTITTKELGTVMR | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6942.521973 | 4 | 1066.290039 | 1065.787167 |
| ADQLTEEQIAEFKEAFSLFDKDGDTITTK        | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6942.681152 | 3 | 1158.249268 | 1158.578526 |
| LVDMVNDGLEDLFR                       | F6RWRS | 0          | N-term +42.01 Da,                         | 6948.201172 | 2 | 840.4099731 | 839.4112672 |
| PTGGAGAVAMLIQPKAPLVLEQGLR            | P54869 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6950.195801 | 3 | 829.1500244 | 829.4769637 |
| CDFTEDQTAEFKEAFQLFDR                 | Q60605 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6953.076172 | 3 | 857.0499878 | 856.3846878 |
| ADQLTEEQIAEFKEAFSLFDKDGDTITTKELGTVMR | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6953.424805 | 4 | 1066.040039 | 1065.787167 |
| VNPTVFFDITADDEPLGR                   | P17742 | 0          | N-term +42.01 Da,                         | 6960.794922 | 2 | 1025.5      | 1024.5022   |
| AAPSGSVNCEEFAEFQELLKVMR              | Q8R3Q6 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6962.075195 | 2 | 1342.150024 | 1341.648745 |
| TDAAVSFAKDFL                         | P51881 | 0.00104548 | N-term +42.01 Da, K +28.03 Da,            | 6963.657227 | 2 | 677.8499756 | 677.8480965 |
| AAPSGSVNCEEFAEFQELLKVMR              | Q8R3Q6 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6965.313965 | 3 | 895.1034546 | 894.7682556 |
| ADTFLEHLCLLDIDSEPVAAR                | P53657 | 0          | N-term +42.01 Da, C +57.02Da,             | 6965.472168 | 2 | 1214.099976 | 1214.096671 |
| AAPSGSVNCEEFAEFQELLKVMR              | Q8R3Q6 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6965.62793  | 2 | 1342.650024 | 1341.648745 |
| EEEIAALVIDNGSGMCKAGF                 | P63260 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6966.295898 | 3 | 728.3400269 | 727.6782658 |
| ADTFLEHLCLLDIDSEPVAAR                | P53657 | 0          | N-term +42.01 Da, C +57.02Da,             | 6966.456055 | 3 | 810.0700073 | 809.7335395 |
| VFEMVEALQEHPR                        | Q3TJ91 | 0.03123663 | N-term +42.01 Da,                         | 6968.482422 | 2 | 814.4000244 | 813.9008691 |
| MLAELGFIR                            | Q921N6 | 0.00055804 | N-term +42.01 Da,                         | 6969.496582 | 2 | 546.2990723 | 546.2995296 |
| EELDPGVVDNFLLKALR                    | P30115 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6969.652344 | 2 | 1049.060059 | 1048.075335 |
| GDKPIWEQIGSSFIQHYY                   | P61971 | 0.0005339  | N-term +42.01 Da, K +28.03 Da,            | 6970.568359 | 3 | 746.7000122 | 746.7003867 |
| AEAAAAGASGETMAALVAEGLSPAGWSAGR       | P97364 | 0          | N-term +42.01 Da,                         | 6971.607422 | 3 | 967.4699707 | 967.4662934 |
| ADQLTEEQIAEFKEAF                     | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6972.900391 | 2 | 969.9683838 | 969.9702015 |
| ADTFLEHLCLLDIDSEPVAAR                | P53657 | 0          | N-term +42.01 Da, C +57.02Da,             | 6973.39209  | 3 | 809.7299805 | 809.7335395 |
| YGLEQFCRLRAIREREEMLFTRRFISPR         | Q9Z0Y7 | 0.02086107 | N-term +42.01 Da, C +57.02Da,             | 6973.725586 | 3 | 1224.619995 | 1224.643591 |
| ADTFLEHLCLLDIDSEPVAAR                | P53657 | 0          | N-term +42.01 Da, C +57.02Da,             | 6975.742188 | 2 | 1215.099976 | 1214.096671 |
| CDFTEDQTAEFKEAFQLFDR                 | Q60605 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6978.304199 | 2 | 1284.579956 | 1284.073393 |
| GDKPIWEQIGSSFIQHYY                   | P61971 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6981.348633 | 3 | 747.3699951 | 746.7003867 |
| SEAAADREDDPNFFKMVEGFFDR              | P26443 | 0.00155682 | N-term +42.01 Da, K +28.03 Da,            | 6981.52002  | 3 | 922.4199829 | 921.7500299 |
| MDGVVTDLIAVGLKR                      | G3UXA6 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6982.816406 | 2 | 828.9699707 | 828.9712944 |
| MDGVVTDLIAVGLKR                      | G3UXA6 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6983.266602 | 2 | 829.9699707 | 828.9712944 |
| ADQLTEEQIAEFKEAFSLFDKDGDTITTKELGTVMR | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 6984.350586 | 4 | 1065.786987 | 1065.787167 |
| ADQLTEEQIAEFKEAFSLFDKDGDTITTK        | P62204 | 0.00057405 | N-term +42.01 Da, K +28.03 Da,            | 6984.755859 | 3 | 1158.920044 | 1158.578526 |
| CDFTEDQTAEFKEAFQLFDR                 | Q60605 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6987.290039 | 3 | 857.0499878 | 856.3846878 |
| EEEIAALVIDNGSGMCKAGF                 | P63260 | 0.00054555 | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6991.16748  | 2 | 1091.503784 | 1091.013761 |

|                                      |        |            |   |             |   |             |             |
|--------------------------------------|--------|------------|---|-------------|---|-------------|-------------|
| AAAVEPEVEDPLWSFVR                    | Q8C436 | 0          | N-term +42.01 Da,                         | 6994.649902 | 2 | 978.9899902 | 978.9887281 |
| ELDPGVVDNFPLLKALR                    | P30115 | 0.00147929 | N-term +42.01 Da, K +28.03 Da,            | 6995.317383 | 2 | 984.5499878 | 983.5540378 |
| AAPSGSVNCEEFAEFQELLKVMR              | Q8R3Q6 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6995.703125 | 3 | 894.7674561 | 894.7682556 |
| AAPSGSVNCEEFAEFQELLKVMR              | Q8R3Q6 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6996.121094 | 2 | 1342.150024 | 1341.648745 |
| EEEIAALVIDNGSGMCKAGF                 | P63260 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 6998.243164 | 3 | 728.0100098 | 727.6782658 |
| ATVWDEAEQDGIGEEVLKMMSTEEIVQR         | O88685 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7000.250977 | 3 | 1045.170044 | 1044.839574 |
| ADQLTEEQIAEFKEAF                     | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7005.04248  | 2 | 969.9699707 | 969.9702015 |
| MDGVVTDLIAVGLKR                      | G3UXA6 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7015.239746 | 2 | 829.4699707 | 828.9712944 |
| ADQLTEEQIAEFKEAFSLFDKDGDTITTK        | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7015.93457  | 3 | 1159.25     | 1158.578526 |
| ELDPGVVDNFPLLKALR                    | P30115 | 0.00054795 | N-term +42.01 Da, K +28.03 Da,            | 7027.185547 | 2 | 984.539978  | 983.5540378 |
| AEAAAAGASGETMAALVAEAGSLGPAGWSAGR     | P97364 | 0          | N-term +42.01 Da,                         | 7028.79834  | 3 | 967.789978  | 967.4662934 |
| AAPSGSVNCEEFAEFQELLKVMR              | Q8R3Q6 | 0.02202643 | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 7035.531738 | 3 | 894.7700195 | 894.7682556 |
| CDFTEDQTAEFKEAFQLFDR                 | Q60605 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 7035.904297 | 2 | 1284.069946 | 1284.073393 |
| ADQLTEEQIAEFKEAF                     | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7037.094238 | 2 | 969.9694824 | 969.9702015 |
| ADQLTEEQIAEFKEAFSLFDKDGDTITTKELGTVMR | P62204 | 0.00702905 | N-term +42.01 Da, K +28.03 Da,            | 7039.041992 | 3 | 1420.709961 | 1420.713797 |
| ADQLTEEQIAEFKEAFSLFDKDGDTITTKELGTVMR | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7046.436523 | 4 | 1065.786377 | 1065.787167 |
| AAKVFESIGKFLAL                       | P67778 | 0.0313036  | N-term +42.01 Da, K +28.03 Da,            | 7046.512207 | 2 | 824.9862671 | 824.98727   |
| ADQLTEEQIAEFKEAFSLFDKDGDTITTK        | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7046.687012 | 3 | 1159.25     | 1158.578526 |
| CDFTEDQTAEFKEAFQLFDR                 | Q60605 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 7054.551758 | 3 | 856.0499878 | 856.3846878 |
| ATFEEVSVLGFEEFDKAVKEH                | Q9CQM5 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7056.173828 | 3 | 837.0900269 | 837.0880883 |
| MEGEAVEAIVEESETFIKGER                | Q61164 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7064.853027 | 3 | 860.7700195 | 860.4351596 |
| EEEIAALVIDNGSGMCKAGF                 | P63260 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 7068.923828 | 2 | 1092.02002  | 1091.013761 |
| MLSPAMSFKSFPPGSADGLR                 | Q923F1 | 0.0105942  | N-term +42.01 Da, K +28.03 Da,            | 7070.32959  | 2 | 1188.599976 | 1188.608162 |
| ADQLTEEQIAEFKEAFSLFDKDGDTITTKELGTVMR | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7070.71582  | 3 | 1420.715698 | 1420.713797 |
| CDFTEDQTAEFKEAFQLFDR                 | Q60605 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 7071.854004 | 2 | 1284.069946 | 1284.073393 |
| MDDTLFQLKF                           | Q921W0 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7076.266602 | 2 | 664.3300171 | 664.3337673 |
| ADQLTEEQIAEFKEAFSLFDKDGDTITTKELGTVMR | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7078.539063 | 4 | 1065.786499 | 1065.787167 |
| ADQLTEEQIAEFKEAFSLFDKDGDTITTK        | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7078.693848 | 3 | 1158.910034 | 1158.578526 |
| CDFTEDQTAEFKEAFQLFDR                 | Q60605 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 7079.77002  | 2 | 1285.079956 | 1284.073393 |
| ADQLTEEQIAEFKEAF                     | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7081.422363 | 2 | 969.9699707 | 969.9702015 |
| MLSPAMSFKSFPPGSADGLR                 | Q923F1 | 0.00104657 | N-term +42.01 Da, K +28.03 Da,            | 7084.253418 | 2 | 1189.609985 | 1188.608162 |
| ATSWGSIQDEKQLEELAKQAIDR              | P51855 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7086.769043 | 3 | 943.1699829 | 943.1660609 |
| AAPSGSVNCEEFAEFQELLKVMR              | Q8R3Q6 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 7088.708008 | 3 | 895.0999756 | 894.7682556 |
| MEGEAVEAIVEESETFIKGER                | Q61164 | 0.00055157 | N-term +42.01 Da, K +28.03 Da,            | 7090.811523 | 3 | 860.4515991 | 860.4351596 |
| EEEIAALVIDNGSGMCKAGF                 | P63260 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 7093.787598 | 3 | 727.6777954 | 727.6782658 |
| MEALILEPSLYTVK                       | P61924 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7096.299805 | 2 | 838.9666138 | 838.9626039 |
| EEEIAALVIDNGSGMCKAGF                 | P63260 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 7100.062988 | 2 | 1091.013672 | 1091.013761 |
| VNPTVFFDITADDEPLGR                   | P17742 | 0          | N-term +42.01 Da,                         | 7100.654785 | 2 | 1025        | 1024.5022   |
| AGVCDMAPNFLSPSEDQALGLALGR            | Q9JLZ8 | 0          | N-term +42.01 Da, C +57.02Da,             | 7101.22998  | 3 | 878.0900269 | 877.7562385 |
| AAPSGSVNCEEFAEFQELLKVMR              | Q8R3Q6 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 7103.759766 | 2 | 1342.640015 | 1341.648745 |

|   |        |            |   |             |   |             |             |
|---|--------|------------|---|-------------|---|-------------|-------------|
| MLSPAMSFKSFPPGSADGLR                    | Q923F1 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7104.412109 | 3 | 793.4099731 | 792.7412001 |
| AGVCDMAPNFLSPSEDQALGLALGR               | Q9JLZ8 | 0          | N-term +42.01 Da, C +57.02Da,             | 7106.606934 | 2 | 1317.130005 | 1316.13072  |
| ADQLTEEQIAEFKEAFSLFDKDKDGTITTKELGTVMR   | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7109.23877  | 4 | 1065.786377 | 1065.787167 |
| ADQLTEEQIAEFKEAFSLFDKDKDGTITTK          | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7109.486816 | 3 | 1158.579956 | 1158.578526 |
| VNPTVFFDITADDEPLGR                      | P17742 | 0          | N-term +42.01 Da,                         | 7109.724121 | 2 | 1024.5      | 1024.5022   |
| ADQLTEEQIAEFKEAF                        | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7112.934082 | 2 | 969.9699707 | 969.9702015 |
| MEQAPPDPEKLLQPGPLEPLGGPGAVLEAAVGEENEGTR | Q91YJ2 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7114.045898 | 3 | 1355.689941 | 1355.015809 |
| MLSPAMSFKSFPPGSADGLR                    | Q923F1 | 0.00053419 | N-term +42.01 Da, K +28.03 Da,            | 7116.349121 | 2 | 1189.109985 | 1188.608162 |
| PTLNELGISTPEELGLDKV                     | P12787 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7118.800293 | 2 | 1047.569946 | 1048.062091 |
| AVTSWLEVL                               | Q8BPA8 | 0          | N-term +42.01 Da,                         | 7120.080078 | 2 | 608.3400269 | 608.3402409 |
| CDFTEDQTAEFKEAFQLFDR                    | Q60605 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 7122.233887 | 2 | 1284.579956 | 1284.073393 |
| SVTLQTVLYSLQEEQAR                       | Q9D8C4 | 0          | N-term +42.01 Da,                         | 7129.202637 | 2 | 1004.530029 | 1004.0233   |
| AEAAAAGASGETMAALVAAEGSLGPAGWSAGR        | P97364 | 0          | N-term +42.01 Da,                         | 7129.336914 | 3 | 968.1300049 | 967.4662934 |
| AEAAAAGASGETMAALVAAEGSLGPAGWSAGR        | P97364 | 0          | N-term +42.01 Da,                         | 7134.824219 | 2 | 1451.699951 | 1450.695802 |
| MLSPAMSFKSFPPGSADGLR                    | Q923F1 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7136.119141 | 2 | 1188.599976 | 1188.608162 |
| AADISQWAGPLCLQ                          | P70296 | 0.00380048 | N-term +42.01 Da, C +57.02Da,             | 7137.040039 | 2 | 786.3800049 | 786.3797695 |
| ADQLTEEQIAEFKEAFSLFDKDKDGTITTKELGTVMR   | P62204 | 0.00240732 | N-term +42.01 Da, K +28.03 Da,            | 7137.214844 | 3 | 1421.380005 | 1420.713797 |
| AAMLGDAIMVAKGLAK                        | Q60936 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7139.809082 | 2 | 829.4699707 | 829.4726153 |
| ADQLTEEQIAEFKEAFSLFDKDKDGTITTKELGTVMR   | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7141.257813 | 4 | 1065.786133 | 1065.787167 |
| VNPTVFFDITADDEPLGR                      | P17742 | 0          | N-term +42.01 Da,                         | 7141.449219 | 2 | 1024.499756 | 1024.5022   |
| VNPTVFFDITADDEPLGR                      | P17742 | 0          | N-term +42.01 Da,                         | 7143.213379 | 2 | 1024.5      | 1024.5022   |
| VNPTVFFDITADDEPLGR                      | P17742 | 0          | N-term +42.01 Da,                         | 7144.663086 | 2 | 1025.5      | 1024.5022   |
| SVTLQTVLYSLQEEQAR                       | Q9D8C4 | 0          | N-term +42.01 Da,                         | 7144.853516 | 2 | 1005.030029 | 1004.0233   |
| AEAAAAGASGETMAALVAAEGSLGPAGWSAGR        | P97364 | 0          | N-term +42.01 Da,                         | 7147.837402 | 4 | 726.0999756 | 725.8515392 |
| SVTLQTVLYSLQEEQAR                       | Q9D8C4 | 0          | N-term +42.01 Da,                         | 7156.951172 | 2 | 1003.51001  | 1004.0233   |
| AEAAAAGASGETMAALVAAEGSLGPAGWSAGR        | P97364 | 0          | N-term +42.01 Da,                         | 7160.143066 | 3 | 967.4646606 | 967.4662934 |
| AEAAAAGASGETMAALVAAEGSLGPAGWSAGR        | P97364 | 0          | N-term +42.01 Da,                         | 7166.391602 | 2 | 1450.694458 | 1450.695802 |
| ATVWDEAEQDGIGEEVLKMSSTEEIVQR            | O88685 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7167.297363 | 3 | 1045.51001  | 1044.839574 |
| ATVWDEAEQDGIGEEVLKMSSTEEIVQR            | O88685 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7168.161621 | 3 | 1044.839966 | 1044.839574 |
| ADQLTEEQIAEFKEAFSLFDKDKDGTITTKELGTVMR   | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7168.929688 | 3 | 1421.380005 | 1420.713797 |
| AAMLGDAIMVAKGLAK                        | Q60936 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7170.970703 | 2 | 829.4699707 | 829.4726153 |
| ADQLTEEQIAEFKEAFSLFDKDKDGTITTKELGTVMR   | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7172.918945 | 4 | 1066.290039 | 1065.787167 |
| ADQLTEEQIAEFKEAFSLFDKDKDGTITTKELGTVMR   | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7173.586914 | 3 | 1421.050049 | 1420.713797 |
| MNSAGADEIGKLFVGGLDWSTTQETLR             | Q9JII5 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7178.956055 | 2 | 1484.709961 | 1483.731853 |
| MNSAGADEIGKLFVGGLDWSTTQETLR             | Q9JII5 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7181.291504 | 3 | 989.8200073 | 989.4903275 |
| VNPTVFFDITADDEPLGR                      | P17742 | 0          | N-term +42.01 Da,                         | 7184.963379 | 2 | 1024.50061  | 1024.5022   |
| AEEGIAAGVMDVNTALQEVLTALIHDLGR           | P63323 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7190.589844 | 3 | 1112.26001  | 1111.588813 |
| MNSAGADEIGKLFVGGLDWSTTQETLR             | Q9JII5 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7190.989258 | 2 | 1483.72998  | 1483.731853 |
| WSSGLPFPPIPREVIK                        | Q9WU42 | 0.02122954 | N-term +42.01 Da, K +28.03 Da,            | 7191.157715 | 2 | 947.0300293 | 947.0352832 |
| AEAAAAGASGETMAALVAAEGSLGPAGWSAGR        | P97364 | 0          | N-term +42.01 Da,                         | 7192.714844 | 3 | 967.4656372 | 967.4662934 |

|                                      |        |            |   |             |   |             |             |
|--------------------------------------|--------|------------|---|-------------|---|-------------|-------------|
| ATVWDEAEQDGIGEEVLKMSTEEIVQR          | O88685 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7194.244629 | 2 | 1566.75     | 1566.755723 |
| AEAAAAGASGETMAALVAAEGSLGPAGWSAGR     | P97364 | 0          | N-term +42.01 Da,                         | 7197.817871 | 2 | 1450.697388 | 1450.695802 |
| ATVWDEAEQDGIGEEVLKMSTEEIVQR          | O88685 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7197.985352 | 3 | 1044.839355 | 1044.839574 |
| ATVWDEAEQDGIGEEVLKMSTEEIVQR          | O88685 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7198.29834  | 2 | 1567.76001  | 1566.755723 |
| ADQLTEEQIAEFKEAFSLFDKDGDTITTKELGTVMR | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7205.26123  | 4 | 1066.290039 | 1065.787167 |
| PRITENRQHQQPFQVSPQPFPLNR             | Q8BZ32 | 0.04917355 | N-term +42.01 Da,                         | 7207.164063 | 2 | 1430.719971 | 1430.241704 |
| ADQLTEEQIAEFKEAF                     | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7207.690918 | 2 | 970.4699707 | 969.9702015 |
| VNPTVFFDITADDEPLGR                   | P17742 | 0          | N-term +42.01 Da,                         | 7216.035156 | 2 | 1024.5      | 1024.5022   |
| MNSAGADEIGKLFVGGLDWSTTQETLR          | Q9JII5 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7216.591309 | 3 | 989.4899902 | 989.4903275 |
| AAAAMAVSEAWPELELAER                  | Q505F5 | 0          | N-term +42.01 Da,                         | 7219.757813 | 2 | 1029.5      | 1029.004053 |
| AEAAAAGASGETMAALVAAEGSLGPAGWSAGR     | P97364 | 0          | N-term +42.01 Da,                         | 7224.98291  | 3 | 967.4663086 | 967.4662934 |
| AIVDAALSALR                          | Q922R8 | 0.00335893 | N-term +42.01 Da,                         | 7225.313965 | 2 | 571.8297729 | 571.3324158 |
| MTEWEAATPAVAETPDIKLF                 | P97461 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7225.520996 | 2 | 1146.069946 | 1145.569226 |
| EFQLLDALDKIKTK                       | P16015 | 0.00614948 | N-term +42.01 Da, K +28.03 Da,            | 7225.710449 | 3 | 635.039978  | 634.3834467 |
| AAEDVVATGADPSELEGGGLLHEIF            | O55022 | 0          | N-term +42.01 Da,                         | 7229.254883 | 2 | 1270.609985 | 1270.113573 |
| AEAAAAGASGETMAALVAAEGSLGPAGWSAGR     | P97364 | 0          | N-term +42.01 Da,                         | 7231.533691 | 2 | 1451.689941 | 1450.695802 |
| MTEWEAATPAVAETPDIKLF                 | P97461 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7231.94043  | 2 | 1145.569946 | 1145.569226 |
| ADQLTEEQIAEFKEAFSLFDKDGDTITTKELGTVMR | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7235.763672 | 4 | 1066.290039 | 1065.787167 |
| ADQLTEEQIAEFKEAF                     | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7238.831543 | 2 | 970.4699707 | 969.9702015 |
| LVDMVNDGLEDLFR                       | F6RWRS | 0          | N-term +42.01 Da,                         | 7244.37793  | 2 | 840.4000244 | 839.4112672 |
| AAAAMAVSEAWPELELAER                  | Q505F5 | 0          | N-term +42.01 Da,                         | 7249.20459  | 3 | 686.3382568 | 686.3384605 |
| AAAAMAVSEAWPELELAER                  | Q505F5 | 0          | N-term +42.01 Da,                         | 7251.015625 | 2 | 1029.002808 | 1029.004053 |
| AEAAAAGASGETMAALVAAEGSLGPAGWSAGR     | P97364 | 0          | N-term +42.01 Da,                         | 7256.118652 | 3 | 967.4699707 | 967.4662934 |
| AAEDVVATGADPSELEGGGLLHEIF            | O55022 | 0          | N-term +42.01 Da,                         | 7261.150391 | 2 | 1270.609985 | 1270.113573 |
| EEEIAALVIDNGSGMCKAGF                 | P63260 | 0.00567913 | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 7261.824707 | 2 | 1092.01001  | 1091.013761 |
| AEAAAAGASGETMAALVAAEGSLGPAGWSAGR     | P97364 | 0          | N-term +42.01 Da,                         | 7263.40332  | 2 | 1451.199951 | 1450.695802 |
| ADQLTEEQIAEFKEAF                     | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7270.672852 | 2 | 969.9699707 | 969.9702015 |
| NIEEYFASVASFMSLQLR                   | Q8BW94 | 0.04180602 | N-term +42.01 Da,                         | 7278.125977 | 2 | 1074.530029 | 1074.027528 |
| MDDYAVLSDELAVALR                     | O08579 | 0          | N-term +42.01 Da,                         | 7279.812012 | 2 | 962.4743652 | 962.4720539 |
| FDVDGLDPAFTPATGTPVLGGLSYR            | Q61176 | 0.00055586 | N-term +42.01 Da,                         | 7281.023926 | 2 | 1305.630005 | 1304.650125 |
| RDELLQNDRIR                          | Q921Q3 | 0.01572327 | N-term +42.01 Da,                         | 7281.65918  | 2 | 735.4006348 | 735.3945996 |
| SESLVCDVAEDLVEKLR                    | Q9CQI3 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 7281.794434 | 3 | 711.3800049 | 711.036559  |
| AAAAMAVSEAWPELELAER                  | Q505F5 | 0          | N-term +42.01 Da,                         | 7281.968262 | 2 | 1029.51001  | 1029.004053 |
| VNPTVFFDITADDEPLGR                   | P17742 | 0          | N-term +42.01 Da,                         | 7282.686035 | 2 | 1025        | 1024.5022   |
| AEAAAAGASGETMAALVAAEGSLGPAGWSAGR     | P97364 | 0          | N-term +42.01 Da,                         | 7287.141602 | 3 | 967.7999878 | 967.4662934 |
| EEEIAALVIDNGSGMCKAGF                 | P63260 | 0.00057241 | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 7293.204102 | 2 | 1091.503418 | 1091.013761 |
| AEAAAAGASGETMAALVAAEGSLGPAGWSAGR     | P97364 | 0          | N-term +42.01 Da,                         | 7295.005859 | 2 | 1451.199951 | 1450.695802 |
| VNPTVFFDITADDEPLGR                   | P17742 | 0          | N-term +42.01 Da,                         | 7298.85791  | 2 | 1024.5      | 1024.5022   |
| SESLVCDVAEDLVEKLR                    | Q9CQI3 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 7300.273926 | 2 | 1066.049072 | 1066.0512   |
| ADQLTEEQIAEFKEAF                     | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7301.875    | 2 | 969.9710693 | 969.9702015 |

|                                      |        |            |   |             |   |             |             |
|--------------------------------------|--------|------------|---|-------------|---|-------------|-------------|
| ADQLTEEQIAEFKEAFSLFDKDGDTITTKEL      | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7304.092773 | 3 | 1239.619995 | 1239.287412 |
| SGALDVLQMKEEDVLKFLAAGTH              | P14206 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7316.496094 | 3 | 858.1199951 | 857.456006  |
| MDDYAVLSDELA AVL R                   | O08579 | 0          | N-term +42.01 Da,                         | 7316.643555 | 2 | 962.9699707 | 962.4720539 |
| MDVN TALQEV LK TALI HDGLAR           | P63323 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7316.777344 | 3 | 827.4500122 | 826.7843453 |
| AEAAAAGASGETMAALVAAEGSLGPAGWSAGR     | P97364 | 0          | N-term +42.01 Da,                         | 7317.698242 | 3 | 967.460022  | 967.4662934 |
| MDDYAVLSDELA AVL R                   | O08579 | 0          | N-term +42.01 Da,                         | 7323.875488 | 2 | 962.4699707 | 962.4720539 |
| MDVN TALQEV LK TALI HDGLAR           | P63323 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7324.169434 | 3 | 826.7800293 | 826.7843453 |
| VNPTVFFDITADDEPLGR                   | P17742 | 0          | N-term +42.01 Da,                         | 7329.820313 | 2 | 1024.503418 | 1024.5022   |
| ADQLTEEQIAEFKEAF                     | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7332.954102 | 2 | 970.4699707 | 969.9702015 |
| ADQLTEEQIAEFKEAF                     | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7333.943359 | 2 | 970.9699707 | 969.9702015 |
| VIQELRPTLNELGISTPEELGLDKV            | P12787 | 0.01365498 | N-term +42.01 Da, K +28.03 Da,            | 7337.98877  | 3 | 944.8599854 | 945.190095  |
| AWVPAESAVEELMPR                      | Q9CQQ4 | 0          | N-term +42.01 Da,                         | 7340.780273 | 2 | 863.9299927 | 863.9270842 |
| AEAAAAGASGETMAALVAAEGSLGPAGWSAGR     | P97364 | 0          | N-term +42.01 Da,                         | 7350.321777 | 3 | 967.7999878 | 967.4662934 |
| TELLKSVDYEVFGTVQGVCFR                | P56375 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 7352.023438 | 3 | 840.0999756 | 839.7613179 |
| MDVN TALQEV LK TALI HDGLAR           | P63323 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7355.199219 | 3 | 827.1199951 | 826.7843453 |
| AEAAAAGASGETMAALVAAEGSLGPAGWSAGR     | P97364 | 0          | N-term +42.01 Da,                         | 7357.97168  | 2 | 1450.699951 | 1450.695802 |
| ALVDMVNDGLEDLFR                      | F6RWR5 | 0.00149775 | N-term +42.01 Da,                         | 7359.394043 | 2 | 875.9199829 | 874.9298242 |
| VNPTVFFDITADDEPLGR                   | P17742 | 0          | N-term +42.01 Da,                         | 7361.038574 | 2 | 1025.51001  | 1024.5022   |
| GVDLLADAVAVTMGPKGR                   | P63038 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7364.9375   | 2 | 921.4899902 | 920.5034905 |
| ADQLTEEQIAEFKEAF                     | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7366.321777 | 2 | 969.9699707 | 969.9702015 |
| ADQLTEEQIAEFKEAFSLFDKDGDTITTKELGTVMR | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7366.758789 | 4 | 1066.040039 | 1065.787167 |
| AWVPAESAVEELMPR                      | Q9CQQ4 | 0          | N-term +42.01 Da,                         | 7371.586426 | 2 | 863.9261475 | 863.9270842 |
| ATSWG SILQDEKQLEELAKQAIDR            | P51855 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7377.086426 | 3 | 943.8300171 | 943.1660609 |
| AEAAAAGASGETMAALVAAEGSLGPAGWSAGR     | P97364 | 0          | N-term +42.01 Da,                         | 7382.171387 | 3 | 967.4699707 | 967.4662934 |
| MDVN TALQEV LK TALI HDGLAR           | P63323 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7390.88916  | 3 | 827.4500122 | 826.7843453 |
| VNPTVFFDITADDEPLGR                   | P17742 | 0          | N-term +42.01 Da,                         | 7392.005859 | 2 | 1024.50293  | 1024.5022   |
| SGALDVLQMKEEDVLKFLAAGTH              | P14206 | 0.00056054 | N-term +42.01 Da, K +28.03 Da,            | 7397.033203 | 3 | 857.4500122 | 857.456006  |
| GVDLLADAVAVTMGPKGR                   | P63038 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7397.601074 | 2 | 921.4899902 | 920.5034905 |
| AEEGIAAGVMDVN TALQEV LK              | P63323 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7403.375488 | 2 | 1143.589966 | 1143.088314 |
| AVANSSPVNPVFFDVSIGGQEVGR             | Q9D868 | 0          | N-term +42.01 Da,                         | 7405.840332 | 3 | 863.4400024 | 863.1098863 |
| ATSWG SILQDEKQLEELAKQAIDR            | P51855 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7407.663574 | 3 | 943.8400269 | 943.1660609 |
| ADQLTEEQIAEFKEAF                     | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7408.056152 | 2 | 969.9699707 | 969.9702015 |
| AVANSSPVNPVFFDVSIGGQEVGR             | Q9D868 | 0          | N-term +42.01 Da,                         | 7408.758789 | 2 | 1294.650024 | 1294.161191 |
| MDLGLMLQDMEKER                       | P82343 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7411.651367 | 2 | 946.960022  | 946.4699447 |
| AEAAAAGASGETMAALVAAEGSLGPAGWSAGR     | P97364 | 0          | N-term +42.01 Da,                         | 7412.931641 | 3 | 967.460022  | 967.4662934 |
| VNPTVFFDITADDEPLGR                   | P17742 | 0.01329056 | N-term +42.01 Da,                         | 7413.359375 | 3 | 683.3400269 | 683.3372256 |
| MKLPIFIADAFTATAFR                    | Q9CXN7 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7416.291992 | 3 | 662.3599854 | 661.6972596 |
| MKLPIFIADAFTATAFR                    | Q9CXN7 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7417.600098 | 2 | 993.039978  | 992.0422511 |
| AEAAAAGASGETMAALVAAEGSLGPAGWSAGR     | P97364 | 0          | N-term +42.01 Da,                         | 7421.674316 | 2 | 1450.699951 | 1450.695802 |
| VNPTVFFDITADDEPLGR                   | P17742 | 0          | N-term +42.01 Da,                         | 7423.168945 | 2 | 1024.502441 | 1024.5022   |



|                                      |        |            |                                |             |   |             |             |
|--------------------------------------|--------|------------|--------------------------------|-------------|---|-------------|-------------|
| MDVNTALQEVLKTAIHDLGLAR               | P63323 | 0          | N-term +42.01 Da, K +28.03 Da, | 7423.378418 | 3 | 826.7848511 | 826.7843453 |
| ADQLTEEQIAEFKEAFSLFDKDGDTITTKELGTVMR | P62204 | 0          | N-term +42.01 Da, K +28.03 Da, | 7429.393066 | 4 | 1066.290039 | 1065.787167 |
| AEEGIAAGGVMDVNTALQEVLK               | P63323 | 0          | N-term +42.01 Da, K +28.03 Da, | 7436.11377  | 2 | 1144.089966 | 1143.088314 |
| ADQLTEEQIAEFKEAFSLFDKDGDTITTKELGTVMR | P62204 | 0          | N-term +42.01 Da, K +28.03 Da, | 7438.117188 | 4 | 1065.530029 | 1065.787167 |
| FDVDGLDPAFTPATGTPVLGLLSYR            | Q61176 | 0          | N-term +42.01 Da,              | 7438.748535 | 2 | 1305.640015 | 1304.650125 |
| ADQLTEEQIAEFKEAF                     | P62204 | 0          | N-term +42.01 Da, K +28.03 Da, | 7440.01123  | 2 | 969.9708862 | 969.9702015 |
| VNPTVFFDITADDEPLGR                   | P17742 | 0          | N-term +42.01 Da,              | 7444.638672 | 3 | 683.3364868 | 683.3372256 |
| AEEAAAAGASGETMAALVAAEGSLGPAGWSAGR    | P97364 | 0          | N-term +42.01 Da,              | 7447.388184 | 3 | 967.7999878 | 967.4662934 |
| MKLPIFIADAFTATAFR                    | Q9CXN7 | 0          | N-term +42.01 Da, K +28.03 Da, | 7448.886719 | 2 | 992.539978  | 992.0422511 |
| MDFLGNPFSSPVGQR                      | O88746 | 0          | N-term +42.01 Da,              | 7453.13916  | 2 | 903.9400024 | 903.9458083 |
| ATSWGSIQDEKQLEELAKQAIDR              | P51855 | 0          | N-term +42.01 Da, K +28.03 Da, | 7453.342285 | 3 | 943.8300171 | 943.1660609 |
| VNPTVFFDITADDEPLGR                   | P17742 | 0          | N-term +42.01 Da,              | 7453.974121 | 2 | 1024.500488 | 1024.5022   |
| EEEIAALVIDNGSGMC                     | P63260 | 0.00928505 | N-term +42.01 Da, C +57.02Da,  | 7454.824219 | 2 | 875.3900146 | 875.3871325 |
| ADQLTEEQIAEFKEAF                     | P62204 | 0          | N-term +42.01 Da, K +28.03 Da, | 7474.146484 | 2 | 970.4699707 | 969.9702015 |
| VNPTVFFDITADDEPLGR                   | P17742 | 0          | N-term +42.01 Da,              | 7475.163574 | 3 | 683.6699829 | 683.3372256 |
| ATSWGSIQDEKQLEELAKQAIDR              | P51855 | 0          | N-term +42.01 Da, K +28.03 Da, | 7484.014648 | 3 | 943.5       | 943.1660609 |
| VNPTVFFDITADDEPLGR                   | P17742 | 0          | N-term +42.01 Da,              | 7484.35791  | 2 | 1024.501221 | 1024.5022   |
| AEEAAAAGASGETMAALVAAEGSLGPAGWSAGR    | P97364 | 0          | N-term +42.01 Da,              | 7484.487793 | 3 | 968.1400146 | 967.4662934 |
| MKLPIFIADAFTATAFR                    | Q9CXN7 | 0          | N-term +42.01 Da, K +28.03 Da, | 7490.556641 | 3 | 662.0300293 | 661.6972596 |
| MKLPIFIADAFTATAFR                    | Q9CXN7 | 0          | N-term +42.01 Da, K +28.03 Da, | 7496.225586 | 2 | 992.5499878 | 992.0422511 |
| ADQLTEEQIAEFKEAF                     | P62204 | 0          | N-term +42.01 Da, K +28.03 Da, | 7496.37793  | 2 | 970.9799805 | 969.9702015 |
| AEEAAAAGASGETMAALVAAEGSLGPAGWSAGR    | P97364 | 0          | N-term +42.01 Da,              | 7498.693359 | 3 | 967.7999878 | 967.4662934 |
| MEYLIQIGPDYVLVASDR                   | Q9R1P3 | 0          | N-term +42.01 Da,              | 7502.078613 | 2 | 1091.040039 | 1091.04846  |
| MKLPIFIADAFTATAFR                    | Q9CXN7 | 0          | N-term +42.01 Da, K +28.03 Da, | 7503.225098 | 3 | 661.7000122 | 661.6972596 |
| SFIPVAEDSDFPIQNLPLYGVFSTQSNPKPR      | P35505 | 0          | N-term +42.01 Da, K +28.03 Da, | 7507.756836 | 3 | 1141.22998  | 1140.90854  |
| MKLPIFIADAFTATAFR                    | Q9CXN7 | 0          | N-term +42.01 Da, K +28.03 Da, | 7508.401855 | 3 | 662.3699951 | 661.6972596 |
| VNPTVFFDITADDEPLGR                   | P17742 | 0.01019462 | N-term +42.01 Da,              | 7512.285645 | 3 | 683.3400269 | 683.3372256 |
| MKLPIFIADAFTATAFR                    | Q9CXN7 | 0          | N-term +42.01 Da, K +28.03 Da, | 7515.333008 | 2 | 992.039978  | 992.0422511 |
| VNPTVFFDITADDEPLGR                   | P17742 | 0          | N-term +42.01 Da,              | 7516.774414 | 2 | 1024.502075 | 1024.5022   |
| ATSWGSIQDEKQLEELAKQAIDR              | P51855 | 0          | N-term +42.01 Da, K +28.03 Da, | 7516.849609 | 3 | 943.1652832 | 943.1660609 |
| AEEAAAAGASGETMAALVAAEGSLGPAGWSAGR    | P97364 | 0          | N-term +42.01 Da,              | 7517.016113 | 3 | 968.1400146 | 967.4662934 |
| SGGVYGGDEVGALVFDIGSYTVR              | Q9Z2N8 | 0          | N-term +42.01 Da,              | 7518.502441 | 2 | 1181.079956 | 1180.573886 |
| MELITILEK                            | P70168 | 0.00153531 | N-term +42.01 Da, K +28.03 Da, | 7518.901855 | 2 | 580.3300171 | 580.3357783 |
| AGELSQEALLDFLCQAGGR                  | Q8BZW2 | 0          | N-term +42.01 Da, C +57.02Da,  | 7520.181152 | 2 | 1040.02002  | 1039.004584 |
| ADQLTEEQIAEFKEAF                     | P62204 | 0          | N-term +42.01 Da, K +28.03 Da, | 7528.255859 | 2 | 970.4699707 | 969.9702015 |
| MEYLIQIGPDYVLVASDR                   | Q9R1P3 | 0          | N-term +42.01 Da,              | 7533.125977 | 2 | 1091.04834  | 1091.04846  |
| MEYLIQIGPDYVLVASDR                   | Q9R1P3 | 0          | N-term +42.01 Da,              | 7533.539551 | 3 | 727.7017822 | 727.701399  |
| DRCREAVSR                            | D3YTR1 | 0.00792541 | N-term +42.01 Da, C +57.02Da,  | 7534.80127  | 2 | 596.289978  | 595.7883811 |
| ADQLTEEQIAEFKEAF                     | P62204 | 0          | N-term +42.01 Da, K +28.03 Da, | 7536.641602 | 2 | 969.9699707 | 969.9702015 |
| ADQLTEEQIAEFKEAFSLFDKDGDTITTKELGTVMR | P62204 | 0          | N-term +42.01 Da, K +28.03 Da, | 7537.058594 | 4 | 1065.790039 | 1065.787167 |

|                                       |        |            |                                |             |   |             |             |
|---------------------------------------|--------|------------|--------------------------------|-------------|---|-------------|-------------|
| MELITILEK                             | P70168 | 0.00153531 | N-term +42.01 Da, K +28.03 Da, | 7538.689941 | 2 | 581.3499756 | 580.3357783 |
| AGELSQEALLDFLCQAGGR                   | Q8BZW2 | 0          | N-term +42.01 Da, C +57.02Da,  | 7541.611328 | 2 | 1039.01001  | 1039.004584 |
| VNPTVFFDITADDEPLGR                    | P17742 | 0          | N-term +42.01 Da,              | 7547.333496 | 2 | 1024.502686 | 1024.5022   |
| ADMPSGESCTSPLELFNSIATQGELVR           | P32921 | 0          | N-term +42.01 Da, C +57.02Da,  | 7553.110352 | 3 | 985.1300049 | 984.4635614 |
| ADQLTEEQIAEFKEAFSLFDKDKDGTITTKELGTVMR | P62204 | 0          | N-term +42.01 Da, K +28.03 Da, | 7553.819824 | 4 | 1066.280029 | 1065.787167 |
| ADQLTEEQIAEFKEAFSLFDKDKDGTITTKELGTVMR | P62204 | 0          | N-term +42.01 Da, K +28.03 Da, | 7554.153809 | 3 | 1421.040039 | 1420.713797 |
| ADMPSGESCTSPLELFNSIATQGELVR           | P32921 | 0          | N-term +42.01 Da, C +57.02Da,  | 7558.120605 | 3 | 984.7999878 | 984.4635614 |
| AAADELAFHEFEATNLLAETPDAATTSQSDELTSR   | Q99LP8 | 0          | N-term +42.01 Da,              | 7558.536133 | 3 | 1298.599976 | 1298.599378 |
| ADMPSGESCTSPLELFNSIATQGELVR           | P32921 | 0          | N-term +42.01 Da, C +57.02Da,  | 7562.005859 | 2 | 1477.189941 | 1476.191704 |
| MEYLIQIQGPDYVLVASDR                   | Q9R1P3 | 0          | N-term +42.01 Da,              | 7563.435059 | 2 | 1091.550049 | 1091.04846  |
| MEYLIQIQGPDYVLVASDR                   | Q9R1P3 | 0          | N-term +42.01 Da,              | 7564.688965 | 3 | 728.039978  | 727.701399  |
| AAADELAFHEFEATNLLAETPDAATTSQSDELTSR   | Q99LP8 | 0          | N-term +42.01 Da,              | 7565.642578 | 4 | 974.460022  | 974.2013527 |
| ADQLTEEQIAEFKEAFSLFDKDKDGTITTKELGTVMR | P62204 | 0          | N-term +42.01 Da, K +28.03 Da, | 7575.222656 | 4 | 1066.030029 | 1065.787167 |
| VNPTVFFDITADDEPLGR                    | P17742 | 0          | N-term +42.01 Da,              | 7577.951172 | 2 | 1024.501221 | 1024.5022   |
| AEAAAAGASGETMAALVAAEGLSPAGWSAGR       | P97364 | 0          | N-term +42.01 Da,              | 7579.271973 | 3 | 968.1300049 | 967.4662934 |
| TDAAVSFAKDFLAGGVA AISK                | P51881 | 0          | N-term +42.01 Da, K +28.03 Da, | 7581.54834  | 3 | 736.4099731 | 736.7352085 |
| ATFEESVVLGFEEFDKAVKEHEGKTIF           | Q9CQM5 | 0          | N-term +42.01 Da, K +28.03 Da, | 7581.695313 | 3 | 1072.219971 | 1071.551582 |
| AEAAAAGASGETMAALVAAEGLSPAGWSAGR       | P97364 | 0          | N-term +42.01 Da,              | 7582.986816 | 3 | 967.4699707 | 967.4662934 |
| ADQLTEEQIAEFKEAFSLFDKDKDGTITTKELGTVMR | P62204 | 0          | N-term +42.01 Da, K +28.03 Da, | 7585.135254 | 3 | 1420.699951 | 1420.713797 |
| TDAAVSFAKDFLAGGVA AISK                | P51881 | 0          | N-term +42.01 Da, K +28.03 Da, | 7585.271484 | 2 | 1105.099976 | 1104.599175 |
| ATFEESVVLGFEEFDKAVKEHEGKTIF           | Q9CQM5 | 0          | N-term +42.01 Da, K +28.03 Da, | 7587.98877  | 3 | 1071.890015 | 1071.551582 |
| AGTGLVAGEVVVDALPYFDQGYEAPGVR          | Q9D287 | 0          | N-term +42.01 Da,              | 7589.879883 | 3 | 965.1500244 | 964.8186612 |
| TDAAVSFAKDFLAGGVA AISK                | P51881 | 0          | N-term +42.01 Da, K +28.03 Da, | 7592.201172 | 2 | 1104.609985 | 1104.599175 |
| AGTGLVAGEVVVDALPYFDQGYEAPGVR          | Q9D287 | 0          | N-term +42.01 Da,              | 7593.370605 | 3 | 965.4899902 | 964.8186612 |
| ADQLTEEQIAEFKEAF                      | P62204 | 0          | N-term +42.01 Da, K +28.03 Da, | 7597.749023 | 2 | 970.4699707 | 969.9702015 |
| VNPTVFFDITADDEPLGR                    | P17742 | 0          | N-term +42.01 Da,              | 7608.316895 | 2 | 1024.5      | 1024.5022   |
| AGTGLVAGEVVVDALPYFDQGYEAPGVR          | Q9D287 | 0          | N-term +42.01 Da,              | 7616.01709  | 2 | 1447.72998  | 1446.724354 |
| AGTGLVAGEVVVDALPYFDQGYEAPGVR          | Q9D287 | 0          | N-term +42.01 Da,              | 7622.12207  | 3 | 964.8200073 | 964.8186612 |
| AGTGLVAGEVVVDALPYFDQGYEAPGVR          | Q9D287 | 0          | N-term +42.01 Da,              | 7630.744629 | 2 | 1447.219971 | 1446.724354 |
| VNPTVFFDITADDEPLGR                    | P17742 | 0          | N-term +42.01 Da,              | 7638.776855 | 2 | 1025        | 1024.5022   |
| ADNPVLELLL                            | Q8C0C7 | 0          | N-term +42.01 Da,              | 7641.826172 | 2 | 647.8699951 | 647.8719055 |
| AEEGIAAGGVMDVNTALQEV LKT              | P63323 | 0          | N-term +42.01 Da, K +28.03 Da, | 7655.513184 | 2 | 1194.099976 | 1193.612154 |
| VNPTVFFDITADDEPLGR                    | P17742 | 0          | N-term +42.01 Da,              | 7657.64502  | 2 | 1024.5      | 1024.5022   |
| ADQLTEEQIAEFKEAF                      | P62204 | 0.00053079 | N-term +42.01 Da, K +28.03 Da, | 7668.296387 | 2 | 969.9699707 | 969.9702015 |
| ADNPVLELLL                            | Q8C0C7 | 0          | N-term +42.01 Da,              | 7672.25293  | 2 | 647.871582  | 647.8719055 |
| ADLLGSILSSMEKPPSLGDQESR               | Q7TNE3 | 0          | N-term +42.01 Da, K +28.03 Da, | 7680.314941 | 3 | 834.4299927 | 834.0915042 |
| TDAAVSFAKDFLAGGVA AISK                | P51881 | 0          | N-term +42.01 Da, K +28.03 Da, | 7684.874023 | 2 | 1105.099976 | 1104.599175 |
| ATFEESVVLGFEEFDKAVKEHEGKTIFAY         | Q9CQM5 | 0.00148002 | N-term +42.01 Da, K +28.03 Da, | 7686.01416  | 4 | 862.6900024 | 862.4406161 |
| SSSFELSVQDLNDLLSDGSGCYSLPSQPCNEVVPR   | Q9D7X3 | 0          | N-term +42.01 Da, C +57.02Da,  | 7687.633301 | 3 | 1300.930054 | 1300.263055 |
| AEEGIAAGGVMDVNTALQEV LKTLIH DGLAR     | P63323 | 0          | N-term +42.01 Da, K +28.03 Da, | 7689.928223 | 3 | 1112.25     | 1111.588813 |

|                                       |        |            |                                |             |   |             |             |
|---------------------------------------|--------|------------|--------------------------------|-------------|---|-------------|-------------|
| MDDL DALLADLESTTSHISKR                | Q8VI36 | 0          | N-term +42.01 Da, K +28.03 Da, | 7691.55957  | 3 | 801.7399902 | 801.0686995 |
| AELSEALLSVLPTIR                       | P56399 | 0          | N-term +42.01 Da,              | 7691.680176 | 2 | 892.5       | 891.9960216 |
| ADQLTEEQIAEFKEAFSLFDKDKDGTITTKELGTVMR | P62204 | 0          | N-term +42.01 Da, K +28.03 Da, | 7699.283203 | 3 | 1421.040039 | 1420.713797 |
| ADQLTEEQIAEFKEAF                      | P62204 | 0          | N-term +42.01 Da, K +28.03 Da, | 7700.75     | 2 | 969.9699707 | 969.9702015 |
| ADNPVLELLLR                           | Q8C0C7 | 0.00056211 | N-term +42.01 Da,              | 7703.012207 | 2 | 647.8721924 | 647.8719055 |
| VNPTVFFDITADDEPLGR                    | P17742 | 0          | N-term +42.01 Da,              | 7703.773438 | 2 | 1025.01001  | 1024.5022   |
| AAPSEVAAAVLGEEDGGAFGWSWLDGR           | Q9CR29 | 0          | N-term +42.01 Da,              | 7704.514648 | 2 | 1252.109985 | 1251.598424 |
| MEYLIGIQGPDYVLVASDR                   | Q9R1P3 | 0.03018542 | N-term +42.01 Da,              | 7705.524414 | 2 | 1091.569946 | 1091.04846  |
| SALKAVFQYIDENQDR                      | Q9D1A2 | 0          | N-term +42.01 Da, K +28.03 Da, | 7707.012207 | 2 | 984.4799805 | 983.9970846 |
| TDAAVSFAKDFLAGGVAAAISK                | P51881 | 0          | N-term +42.01 Da, K +28.03 Da, | 7708.032715 | 3 | 736.736084  | 736.7352085 |
| AAPSEVAAAVLGEEDGGAFGWSWLDGR           | Q9CR29 | 0          | N-term +42.01 Da,              | 7710.986816 | 3 | 835.0700073 | 834.7347082 |
| AEAAAAGASGETMAALVAAEGLPGAGWSAGR       | P97364 | 0          | N-term +42.01 Da,              | 7714.274414 | 3 | 967.7999878 | 967.4662934 |
| AEEGIAAGGVMDVNTALQEVLTALIHDLGLAR      | P63323 | 0          | N-term +42.01 Da, K +28.03 Da, | 7714.533203 | 3 | 1111.589966 | 1111.588813 |
| TDAAVSFAKDFLAGGVAAAISK                | P51881 | 0          | N-term +42.01 Da, K +28.03 Da, | 7716.27002  | 2 | 1104.599976 | 1104.599175 |
| FEDAPDVEPLEPTLSNIIQDR                 | O54984 | 0.02199736 | N-term +42.01 Da,              | 7721.292969 | 2 | 1228.589966 | 1227.605384 |
| VNPTVFFDITADDEPLGR                    | P17742 | 0          | N-term +42.01 Da,              | 7722.632324 | 2 | 1025.5      | 1024.5022   |
| AELSEALLSVLPTIR                       | P56399 | 0          | N-term +42.01 Da,              | 7724.42627  | 2 | 891.9942017 | 891.9960216 |
| AAGVAGWGVEAEFEFEDAPDVEPLEPTLSNIIQDR   | O54984 | 0          | N-term +42.01 Da,              | 7725.692871 | 3 | 1227.589966 | 1227.591606 |
| SHIQIPAGLTELQGYTVEVLR                 | Q8K1M3 | 0          | N-term +42.01 Da,              | 7727.846191 | 2 | 1240.178589 | 1240.181395 |
| SHIQIPAGLTELQGYTVEVLR                 | Q8K1M3 | 0          | N-term +42.01 Da,              | 7730.827637 | 3 | 827.1199951 | 827.1233554 |
| ADQLTEEQIAEFKEAFSLFDKDKDGTITTKELGTVMR | P62204 | 0          | N-term +42.01 Da, K +28.03 Da, | 7731.100098 | 3 | 1421.359985 | 1420.713797 |
| ADQLTEEQIAEFKEAF                      | P62204 | 0          | N-term +42.01 Da, K +28.03 Da, | 7734.369629 | 2 | 970.4699707 | 969.9702015 |
| AAPSEVAAAVLGEEDGGAFGWSWLDGR           | Q9CR29 | 0          | N-term +42.01 Da,              | 7735.894043 | 2 | 1251.599976 | 1251.598424 |
| ADNPVLELLLR                           | Q8C0C7 | 0.00104221 | N-term +42.01 Da,              | 7740.547852 | 2 | 647.8707275 | 647.8719055 |
| AAPSEVAAAVLGEEDGGAFGWSWLDGR           | Q9CR29 | 0          | N-term +42.01 Da,              | 7744.082031 | 3 | 834.7299805 | 834.7347082 |
| AEAAAAGASGETMAALVAAEGLPGAGWSAGR       | P97364 | 0          | N-term +42.01 Da,              | 7746.529785 | 3 | 967.7999878 | 967.4662934 |
| WYRIIGLSGDT                           | Q8R5F7 | 0.02001779 | N-term +42.01 Da,              | 7752.461914 | 2 | 661.3400269 | 661.8406054 |
| VNPTVFFDITADDEPLGR                    | P17742 | 0          | N-term +42.01 Da,              | 7754.601074 | 2 | 1024.49939  | 1024.5022   |
| AELSEALLSVLPTIR                       | P56399 | 0          | N-term +42.01 Da,              | 7756.808594 | 2 | 891.9945679 | 891.9960216 |
| AAGVAGWGVEAEFEFEDAPDVEPLEPTLSNIIQDR   | O54984 | 0          | N-term +42.01 Da,              | 7757.019043 | 3 | 1227.920044 | 1227.591606 |
| AEEGIAAGGVMDVNTALQEVLTALIHDLGLAR      | P63323 | 0.00194837 | N-term +42.01 Da, K +28.03 Da, | 7759.32373  | 3 | 1111.920044 | 1111.588813 |
| SHIQIPAGLTELQGYTVEVLR                 | Q8K1M3 | 0          | N-term +42.01 Da,              | 7759.816895 | 2 | 1240.680054 | 1240.181395 |
| SHIQIPAGLTELQGYTVEVLR                 | Q8K1M3 | 0          | N-term +42.01 Da,              | 7762.453613 | 3 | 827.1239014 | 827.1233554 |
| AAPSEVAAAVLGEEDGGAFGWSWLDGR           | Q9CR29 | 0          | N-term +42.01 Da,              | 7767.992188 | 2 | 1252.099976 | 1251.598424 |
| ADQLTEEQIAEFKEAF                      | P62204 | 0          | N-term +42.01 Da, K +28.03 Da, | 7768.59668  | 2 | 970.4699707 | 969.9702015 |
| QGFIDLPEFPFGLPR                       | O35490 | 0          | N-term +42.01 Da,              | 7772.834961 | 2 | 953.4736328 | 952.483081  |
| AAPSEVAAAVLGEEDGGAFGWSWLDGR           | Q9CR29 | 0          | N-term +42.01 Da,              | 7776.513184 | 3 | 835.0700073 | 834.7347082 |
| MDDLFLPIFPSEPAQASGPVYVIEIIEQPKQR      | QD4207 | 0.00153061 | N-term +42.01 Da, K +28.03 Da, | 7778.583984 | 3 | 1162.589966 | 1162.593564 |
| AEAAAAGASGETMAALVAAEGLPGAGWSAGR       | P97364 | 0          | N-term +42.01 Da,              | 7779.258789 | 3 | 967.460022  | 967.4662934 |
| IGDIMFGVPSVIVSR                       | Q8VCC2 | 0.00149031 | N-term +42.01 Da,              | 7781.624023 | 2 | 817.4343262 | 816.4449122 |

|                                      |        |            |   |             |   |             |             |
|--------------------------------------|--------|------------|---|-------------|---|-------------|-------------|
| MDDLFLIPFSEPAQASGPYVEIIEQPKQR        | Q04207 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7784.359863 | 3 | 1163.26001  | 1162.593564 |
| MVNPTVFFDITADDEPLGR                  | P17742 | 0          | N-term +42.01 Da,                         | 7785.763184 | 2 | 1090.530029 | 1090.022443 |
| VNPTVFFDITADDEPLGR                   | P17742 | 0          | N-term +42.01 Da,                         | 7787.674316 | 2 | 1024.501587 | 1024.5022   |
| VNPTVFFDITADDEPLGR                   | P17742 | 0          | N-term +42.01 Da,                         | 7788.553711 | 3 | 683.6799927 | 683.3372256 |
| TDAAVSFAKDFLAGVAAAISKTAVAPIER        | P51881 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7790.563965 | 4 | 762.4199829 | 762.1709395 |
| MVNPTVFFDITADDEPLGR                  | P17742 | 0          | N-term +42.01 Da,                         | 7791.710938 | 2 | 1090.02002  | 1090.022443 |
| AEEGIAAGGVMDVNTALQEVKTKALIHDLGLAR    | P63323 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7802.008789 | 3 | 1111.587524 | 1111.588813 |
| ADQLTEEQIAEFKEAF                     | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7803.145996 | 2 | 969.9699707 | 969.9702015 |
| VNPTVFFDITADDEPLGR                   | P17742 | 0          | N-term +42.01 Da,                         | 7819.90918  | 2 | 1025.5      | 1024.5022   |
| TDAAVSFAKDFLAGVAAAISKTAVAPIER        | P51881 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7822.300781 | 4 | 762.4199829 | 762.1709395 |
| MVNPTVFFDITADDEPLGR                  | P17742 | 0          | N-term +42.01 Da,                         | 7822.42334  | 2 | 1090.02002  | 1090.022443 |
| AALVDMVNDGLEDLFR                     | F6RWRS | 0          | N-term +42.01 Da,                         | 7823.625977 | 2 | 911.4400024 | 910.4483813 |
| AEAAAAGASGETMAALVAAEGSLGPAGWSAGR     | P97364 | 0          | N-term +42.01 Da,                         | 7828.434082 | 3 | 967.7999878 | 967.4662934 |
| AEAAAAGASGETMAALVAAEGSLGPAGWSAGR     | P97364 | 0          | N-term +42.01 Da,                         | 7832.712402 | 3 | 967.4699707 | 967.4662934 |
| AEEGIAAGGVMDVNTALQEVKTKALIHDLGLAR    | P63323 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7838.817383 | 3 | 1112.26001  | 1111.588813 |
| ADQLTEEQIAEFKEAFSLFDKDGDTITTKELGTVMR | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7842.841309 | 4 | 1066.040039 | 1065.787167 |
| MNGQLDLGKLIKAQLGEDIR                 | B8JJG6 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7846.037598 | 3 | 838.1300049 | 837.4718787 |
| IINDLLQSLR                           | Q3U0V1 | 0.03127678 | N-term +42.01 Da,                         | 7846.908691 | 2 | 613.3499756 | 613.858798  |
| ADQLTEEQIAEFKEAF                     | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7848.62207  | 2 | 970.4699707 | 969.9702015 |
| VNPTVFFDITADDEPLGR                   | P17742 | 0          | N-term +42.01 Da,                         | 7850.691406 | 2 | 1025        | 1024.5022   |
| MVNPTVFFDITADDEPLGR                  | P17742 | 0          | N-term +42.01 Da,                         | 7853.88623  | 2 | 1090.52002  | 1090.022443 |
| ADQLTEEQIAEFKEAF                     | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7855.149414 | 2 | 969.9699707 | 969.9702015 |
| ASGVAVSDGVIKVFNMDMKVR                | P18760 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7855.339844 | 3 | 731.4000244 | 730.7365548 |
| CDFTEDQTAEFKEAFQLFDR                 | Q60605 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 7862.637207 | 2 | 1284.569946 | 1284.073393 |
| ASSGVTVSAAGSASEASEVDPNVGDWLR         | Q9CQN3 | 0          | N-term +42.01 Da,                         | 7862.829102 | 3 | 921.4400024 | 921.1018974 |
| CDFTEDQTAEFKEAFQLFDR                 | Q60605 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 7863.021484 | 3 | 856.7199707 | 856.3846878 |
| MEAVLNELVSVEDLKNFER                  | Q9CQ92 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7863.435059 | 3 | 769.0599976 | 769.0629968 |
| ASSGVTVSAAGSASEASEVDPNVGDWLR         | Q9CQN3 | 0          | N-term +42.01 Da,                         | 7864.536621 | 2 | 1381.650024 | 1381.149208 |
| AAPSGSVNCEEFQELLKVMR                 | Q8R3Q6 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 7865.936523 | 3 | 894.7700195 | 894.7682556 |
| AEAAAAGASGETMAALVAAEGSLGPAGWSAGR     | P97364 | 0          | N-term +42.01 Da,                         | 7866.457031 | 3 | 967.4699707 | 967.4662934 |
| AAMLGDAIMVAKGL                       | Q60936 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7868.040527 | 2 | 715.8898926 | 715.8909264 |
| MDTGVIIEGLNVTLTR                     | Q61990 | 0          | N-term +42.01 Da,                         | 7871.420898 | 2 | 915.9899902 | 915.985131  |
| AEAAAAGASGETMAALVAAEGSLGPAGWSAGR     | P97364 | 0          | N-term +42.01 Da,                         | 7873.536621 | 2 | 1451.699951 | 1450.695802 |
| AEEGIAAGGVMDVNTALQEVKTKALIHDLGLAR    | P63323 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7873.734375 | 3 | 1112.26001  | 1111.588813 |
| SMEDPFFVVKGEVQKAVNTAQGLFQR           | Q9JJK1 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7874.489258 | 3 | 1008.530029 | 1008.526824 |
| ASVSELACIYSALILHDDEVTVTEDKIN         | P47955 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 7876.273438 | 3 | 1059.193237 | 1059.195358 |
| AAGAAEAGEAAVAVVEVGSAAQFELLR          | Q9CQM9 | 0          | N-term +42.01 Da,                         | 7876.66748  | 2 | 1393.202271 | 1393.203786 |
| AEEGIAAGGVMDVNTALQEVKTKAL            | P63323 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7878.095215 | 2 | 1285.671143 | 1285.672743 |
| AELTALESLEMGFPR                      | Q922Y1 | 0          | N-term +42.01 Da,                         | 7878.246582 | 2 | 909.9665527 | 909.9689494 |
| AEEGIAAGGVMDVNTALQEVKTKA             | P63323 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7878.698242 | 2 | 1229.130005 | 1229.130711 |

|                                    |        |            |   |             |   |             |             |
|------------------------------------|--------|------------|---|-------------|---|-------------|-------------|
| AEEGIAAGGVMVDNTALQEVLTAL           | P63323 | 0          | N-term +42.01 Da, K +28.03 Da,            | 7878.912598 | 3 | 857.7800293 | 857.450921  |
| AAADGDDSLYPIAVLIDELR               | Q76MZ3 | 0          | N-term +42.01 Da,                         | 7879.29834  | 2 | 1080.040039 | 1080.046972 |
| AEEAAAGASGETMAALVAAEGSLGPAGW       | P97364 | 0          | N-term +42.01 Da,                         | 7879.374023 | 2 | 1265.599976 | 1265.099942 |
| AEEAAAGASGETMAALVAAEGSLGPAGW       | P97364 | 0          | N-term +42.01 Da,                         | 7879.552734 | 3 | 843.7330322 | 843.7357205 |
| AAGAAEAGEAAVAVVEVGSAAQQFEELLR      | Q9CQM9 | 0          | N-term +42.01 Da,                         | 7880.821289 | 3 | 929.1357422 | 929.1382825 |
| AAPAPSLISVFSSPQELGASLAQLVAQR       | Q9CQ60 | 0          | N-term +42.01 Da,                         | 7880.962402 | 3 | 951.5200195 | 950.850184  |
| SFIPVAEDSDFPIQNLPGYVFSTQ           | P35505 | 0          | N-term +42.01 Da,                         | 7881.133301 | 2 | 1357.152466 | 1357.155241 |
| SFIPVAEDSDFPIQNLPGYVF              | P35505 | 0.0005531  | N-term +42.01 Da,                         | 7885.567871 | 2 | 1199.08313  | 1199.086098 |
| ADQLTEEQIAEFKEAF                   | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 8017.093262 | 2 | 969.960022  | 969.9702015 |
| AEEGIAAGGVMVDNTALQEVLTAL           | P63323 | 0          | N-term +42.01 Da, K +28.03 Da,            | 8018.953125 | 2 | 1286.170044 | 1285.672743 |
| AEEGIAAGGVMVDNTALQEVLTAL           | P63323 | 0          | N-term +42.01 Da, K +28.03 Da,            | 8026.237793 | 3 | 857.789978  | 857.450921  |
| AEEGIAAGGVMVDNTALQEVLTALIHDLGLAR   | P63323 | 0          | N-term +42.01 Da, K +28.03 Da,            | 8049.251953 | 3 | 1111.920044 | 1111.588813 |
| AEEGIAAGGVMVDNTALQEVLTAL           | P63323 | 0          | N-term +42.01 Da, K +28.03 Da,            | 8057.583984 | 3 | 858.1199951 | 857.450921  |
| AEEAAAGASGETMAALVAAEGSLGPAGW       | P97364 | 0.04109015 | N-term +42.01 Da,                         | 8090.154785 | 3 | 844.0700073 | 843.7357205 |
| AEEAAAGASGETMAALVAAEGSLGPAGWSAGR   | P97364 | 0          | N-term +42.01 Da,                         | 8109.107422 | 3 | 967.7999878 | 967.4662934 |
| ADQLTEEQIAEFKEAF                   | P62204 | 0.00104822 | N-term +42.01 Da, K +28.03 Da,            | 8112.869629 | 2 | 970.4699707 | 969.9702015 |
| AEEGIAAGGVMVDNTALQEVLTALIHDLGLAR   | P63323 | 0          | N-term +42.01 Da, K +28.03 Da,            | 8114.301758 | 3 | 1112.26001  | 1111.588813 |
| VNPTVFFDITADDEPLGR                 | P17742 | 0          | N-term +42.01 Da,                         | 8146.70166  | 2 | 1024.51001  | 1024.5022   |
| AEEGIAAGGVMVDNTALQEVLTALIHDLGLAR   | P63323 | 0          | N-term +42.01 Da, K +28.03 Da,            | 8147.947754 | 3 | 1112.25     | 1111.588813 |
| AEEGIAAGGVMVDNTALQEVLTAL           | P63323 | 0          | N-term +42.01 Da, K +28.03 Da,            | 8148.233398 | 3 | 858.1199951 | 857.450921  |
| AEEGIAAGGVMVDNTALQEVLTAL           | P63323 | 0          | N-term +42.01 Da, K +28.03 Da,            | 8155.414063 | 3 | 857.4500122 | 857.450921  |
| ADQLTEEQIAEFKEAF                   | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 8163.850586 | 2 | 969.9699707 | 969.9702015 |
| AEEAAAGASGETMAALVAAEGSLGPAGWSAGR   | P97364 | 0          | N-term +42.01 Da,                         | 8168.796387 | 3 | 968.1300049 | 967.4662934 |
| MNGQLDLGKLIKAQLGEDIR               | B8JJG6 | 0          | N-term +42.01 Da, K +28.03 Da,            | 8172.291504 | 3 | 838.1300049 | 837.4718787 |
| AEEGIAAGGVMVDNTALQEVLTAL           | P63323 | 0          | N-term +42.01 Da, K +28.03 Da,            | 8177.006348 | 2 | 1286.170044 | 1285.672743 |
| AEEGIAAGGVMVDNTALQEVLTALIHDLGLAR   | P63323 | 0          | N-term +42.01 Da, K +28.03 Da,            | 8177.879883 | 3 | 1111.589966 | 1111.588813 |
| VNPTVFFDITADDEPLGR                 | P17742 | 0          | N-term +42.01 Da,                         | 8178.452637 | 2 | 1024.98999  | 1024.5022   |
| AEEGIAAGGVMVDNTALQEVLTAL           | P63323 | 0          | N-term +42.01 Da, K +28.03 Da,            | 8185.8125   | 3 | 857.4500122 | 857.450921  |
| AEEAAAGASGETMAALVAAEGSLGPAGW       | P97364 | 0.03055077 | N-term +42.01 Da,                         | 8187        | 3 | 843.7299805 | 843.7357205 |
| SKGPAVGIDLGTYSYCVGVFQHGKVEIANDQGNR | P63017 | 0          | N-term +42.01 Da, K +28.03 Da,C +57.02Da, | 8191.655273 | 4 | 947.7399902 | 947.2374457 |
| VNPTVFFDITADDEPLGR                 | P17742 | 0          | N-term +42.01 Da,                         | 8228.655273 | 2 | 1024.505981 | 1024.5022   |
| AEEGIAAGGVMVDNTALQEVLTALIHDLGLAR   | P63323 | 0          | N-term +42.01 Da, K +28.03 Da,            | 8229.514648 | 3 | 1111.920044 | 1111.588813 |
| ADQLTEEQIAEFKEAF                   | P62204 | 0          | N-term +42.01 Da, K +28.03 Da,            | 8247.620117 | 2 | 969.9699707 | 969.9702015 |
| VNPTVFFDITADDEPLGR                 | P17742 | 0          | N-term +42.01 Da,                         | 8259.111328 | 2 | 1025        | 1024.5022   |
| EGSGSSGTGEQKEDQKEEKQ               | P38647 | 0          | N-term +28.03 Da, K +28.03 Da,            | 955.9832153 | 4 | 563.2700195 | 563.2737586 |
| TENSTSAPAAKPKR                     | P10922 | 0          | N-term +28.03 Da, K +28.03 Da,            | 1008.15979  | 4 | 386.2200012 | 386.2216049 |
| TENSTSAPAAKPKR                     | P10922 | 0          | N-term +28.03 Da, K +28.03 Da,            | 1010.81073  | 3 | 514.6257935 | 514.626381  |
| SAAHTEKTQIR                        | Q60759 | 0.00239808 | N-term +28.03 Da, K +28.03 Da,            | 1015.394165 | 4 | 343.2000122 | 342.9453062 |
| VAGADSPQSSSKGGR                    | Q8BIJ6 | 0          | N-term +28.03 Da, K +28.03 Da,            | 1021.591858 | 3 | 487.2600098 | 487.2548358 |
| SGSSGTGEQKEDQKEEKQ                 | P38647 | 0          | N-term +28.03 Da, K +28.03 Da,            | 1021.876648 | 3 | 689         | 688.6745666 |

|                      |         |            |                                |             |   |             |             |
|----------------------|---------|------------|--------------------------------|-------------|---|-------------|-------------|
| GSGSSGTGEQKEDQKEEKQ  | P38647  | 0          | N-term +28.03 Da, K +28.03 Da, | 1025.057495 | 3 | 707.6696777 | 707.6817213 |
| EEAEAPTGKR           | P26350  | 0.00238663 | N-term +28.03 Da, K +28.03 Da, | 1031.47583  | 3 | 381.8715515 | 381.8716626 |
| AAAAAAATKPAR         | Q99N96  | 0          | N-term +28.03 Da, K +28.03 Da, | 1031.660889 | 3 | 375.8960876 | 375.896142  |
| SSAAAHEKTKQIR        | Q60759  | 0          | N-term +28.03 Da, K +28.03 Da, | 1034.060181 | 3 | 485.9356995 | 485.9353259 |
| TDQAQKAEGAGDAK       | P09602  | 0.0023622  | N-term +28.03 Da, K +28.03 Da, | 1034.490845 | 3 | 491.9200134 | 491.9229749 |
| LSSSAQEASKR          | O35459  | 0.03198976 | N-term +28.03 Da, K +28.03 Da, | 1038.35498  | 3 | 407.5599976 | 407.226217  |
| EGEETAAGAGAKSR       | QE92424 | 0.0008569  | N-term +28.03 Da, K +28.03 Da, | 1040.820557 | 3 | 463.8999939 | 463.9038031 |
| SSAAAHEKTKQIR        | Q60759  | 0          | N-term +28.03 Da, K +28.03 Da, | 1043.764526 | 4 | 364.7000122 | 364.7033135 |
| AQASAAPKAGTATGR      | P56480  | 0.00084531 | N-term +28.03 Da, K +28.03 Da, | 1045.531982 | 3 | 472.269989  | 471.9318042 |
| DEEPKDE TAR          | O55022  | 0          | N-term +28.03 Da, K +28.03 Da, | 1046.639771 | 3 | 415.8700562 | 415.8700993 |
| DEEPKDE TAR          | O55022  | 0.00083752 | N-term +28.03 Da, K +28.03 Da, | 1046.735718 | 2 | 623.3013916 | 623.3015107 |
| TMTGEKVK             | P12710  | 0.03084833 | N-term +28.03 Da, K +28.03 Da, | 1046.943115 | 3 | 326.5281372 | 326.5281792 |
| EGSGSSGTGEQKEDQKEEKQ | P38647  | 0          | N-term +28.03 Da, K +28.03 Da, | 1047.511841 | 3 | 751.0200195 | 750.6959194 |
| STESGSESATHDSSAPR    | Q9CY16  | 0          | N-term +28.03 Da,              | 1047.796509 | 3 | 578.5900269 | 578.5906136 |
| SSGKAAGDETGAKVER     | P97351  | 0.00082237 | N-term +28.03 Da, K +28.03 Da, | 1048.010498 | 4 | 412.4700012 | 412.4731571 |
| SDVEVNEKKDR          | P63038  | 0.00533944 | N-term +28.03 Da, K +28.03 Da, | 1050.092041 | 3 | 468.5899963 | 468.2560652 |
| TQIAKDNEQSSR         | P03991  | 0          | N-term +28.03 Da, K +28.03 Da, | 1053.01416  | 3 | 478.5899963 | 478.2512028 |
| PDPAKSAPAPK          | Q64525  | 0          | N-term +28.03 Da, K +28.03 Da, | 1054.712524 | 3 | 388.2322388 | 388.2325314 |
| PDPKSAPAPK           | Q8CGP0  | 0          | N-term +28.03 Da, K +28.03 Da, | 1055.50708  | 3 | 393.5639954 | 393.5641697 |
| GPKGDPPGQGPR         | P11087  | 0.01117318 | N-term +28.03 Da, K +28.03 Da, | 1057.974609 | 3 | 406.8900146 | 406.8911683 |
| ASTESGSESATHDSSAPR   | Q9CY16  | 0          | N-term +28.03 Da,              | 1058.406128 | 3 | 602.2700195 | 602.2696516 |
| AAQASAAPKAGTATGR     | P56480  | 0          | N-term +28.03 Da, K +28.03 Da, | 1060.041138 | 3 | 495.6106873 | 495.6108422 |
| GDAKTDQAQKAEGAGDAK   | P09602  | 0          | N-term +28.03 Da, K +28.03 Da, | 1063.530273 | 4 | 469         | 468.9969967 |
| SDDEEPKDE TAR        | O55022  | 0.02823375 | N-term +28.03 Da, K +28.03 Da, | 1065.19043  | 3 | 483.2200012 | 483.2230904 |
| AQTAAAAAPR           | Q9CQA3  | 0.022      | N-term +28.03 Da,              | 1069.454224 | 2 | 478.269928  | 478.269618  |
| AAQASAAPKAGTATGR     | P56480  | 0          | N-term +28.03 Da, K +28.03 Da, | 1069.539063 | 2 | 742.9127197 | 742.9126251 |
| EAHKSEIAHR           | P07724  | 0          | N-term +28.03 Da, K +28.03 Da, | 1071.658081 | 3 | 411.5599976 | 411.8948014 |
| AQASAAPKAGTATGR      | P56480  | 0.00162075 | N-term +28.03 Da, K +28.03 Da, | 1076.268921 | 3 | 472.2597351 | 471.9318042 |
| VKMAAAGGGGGGGR       | Q8R081  | 0.00084104 | N-term +28.03 Da, K +28.03 Da, | 1077.334106 | 3 | 401.5499878 | 401.2205199 |
| VSSSSAEGTQPSR        | Q8R317  | 0          | N-term +28.03 Da,              | 1078.989136 | 2 | 704.3400269 | 704.3391564 |
| DDEEPKDE TAR         | O55022  | 0          | N-term +28.03 Da, K +28.03 Da, | 1083.108032 | 3 | 454.2099915 | 454.212414  |
| PDPAKSAPAPK          | Q64525  | 0          | N-term +28.03 Da, K +28.03 Da, | 1085.548706 | 3 | 388.230011  | 388.2325314 |
| DDEEPKDE TAR         | O55022  | 0.01621622 | N-term +28.03 Da, K +28.03 Da, | 1086.443848 | 2 | 680.8156128 | 680.8149828 |
| TSDVEVNEKKDR         | P63038  | 0.03108808 | N-term +28.03 Da, K +28.03 Da, | 1086.542358 | 4 | 376.7099915 | 376.7057878 |
| AAQASAAPKAGTATGR     | P56480  | 0          | N-term +28.03 Da, K +28.03 Da, | 1091.562866 | 3 | 495.6106567 | 495.6108422 |
| DPPPPEDDENKEKR       | Q9WTX5  | 0          | N-term +28.03 Da, K +28.03 Da, | 1095.678955 | 4 | 438.2200012 | 438.2218024 |
| SAPAVQTK             | Q99JY0  | 0.03106796 | N-term +28.03 Da, K +28.03 Da, | 1099.016357 | 2 | 429.2583618 | 429.2581875 |
| KMKD TDSEEEIR        | P62204  | 0.01504788 | N-term +28.03 Da, K +28.03 Da, | 1099.91272  | 3 | 522.9276733 | 522.2677539 |
| TAEED EADPKR         | Q9D0J8  | 0          | N-term +28.03 Da, K +28.03 Da, | 1101.663452 | 3 | 482.5599976 | 482.5633354 |
| EDEEEESGKGEKR        | Q9EST5  | 0.00162602 | N-term +28.03 Da, K +28.03 Da, | 1102.232788 | 3 | 578.9299927 | 578.9391313 |

|                            |        |            |                                |             |   |             |             |
|----------------------------|--------|------------|--------------------------------|-------------|---|-------------|-------------|
| DEEEAGEEGSQKR              | O35381 | 0          | N-term +28.03 Da, K +28.03 Da, | 1106.025146 | 3 | 550.25      | 550.2480762 |
| TAEEDADPKR                 | Q9D0J8 | 0          | N-term +28.03 Da, K +28.03 Da, | 1109.617554 | 2 | 723.3400269 | 723.3413649 |
| AAQASAAPKAGTATGR           | P56480 | 0.0282523  | N-term +28.03 Da, K +28.03 Da, | 1116.556641 | 2 | 743.4039307 | 742.9126251 |
| TEQTDLAKR                  | P08003 | 0.04220183 | N-term +28.03 Da, K +28.03 Da, | 1118.688965 | 3 | 373.211792  | 373.2119077 |
| DEEAEAPTGKR                | P26350 | 0.00538462 | N-term +28.03 Da, K +28.03 Da, | 1119.778564 | 2 | 629.8200073 | 629.8173278 |
| PDPAKSAPAPK                | Q64525 | 0          | N-term +28.03 Da, K +28.03 Da, | 1119.93042  | 3 | 388.2318115 | 388.2325314 |
| AAQASAAPKAGTATGR           | P56480 | 0.005997   | N-term +28.03 Da, K +28.03 Da, | 1123.012451 | 3 | 495.9388428 | 495.6108422 |
| EDEEAEAPTGKR               | P26350 | 0.0008489  | N-term +28.03 Da, K +28.03 Da, | 1124.178955 | 3 | 463.230011  | 463.2281754 |
| TQVIAHGQGSSKGP             | Q78JT3 | 0.01558266 | N-term +28.03 Da, K +28.03 Da, | 1125.602051 | 4 | 395.4700012 | 395.4732254 |
| LDPETGKR                   | Q64374 | 0.04284852 | N-term +28.03 Da, K +28.03 Da, | 1126.749023 | 3 | 324.5222168 | 324.5221932 |
| TAEEDADPKR                 | Q9D0J8 | 0          | N-term +28.03 Da, K +28.03 Da, | 1132.927124 | 3 | 482.5635681 | 482.5633354 |
| HLDGTEEER                  | P10649 | 0.0311486  | N-term +28.03 Da,              | 1133.801758 | 2 | 621.7800293 | 621.7834852 |
| DDEEPKDETAR                | O55022 | 0.00083333 | N-term +28.03 Da, K +28.03 Da, | 1136.36145  | 2 | 680.8157349 | 680.8149828 |
| DDEEPKDETAR                | O55022 | 0          | N-term +28.03 Da, K +28.03 Da, | 1136.518921 | 3 | 454.2099915 | 454.212414  |
| SLEAASSSR                  | Q9EQI8 | 0.00240192 | N-term +28.03 Da,              | 1138.028931 | 2 | 511.7598877 | 511.759281  |
| HHEEEEE                    | E9Q7R9 | 0.03090792 | N-term +28.03 Da,              | 1139.27478  | 2 | 548.2199707 | 548.2149039 |
| SSAAAHTKQIR                | Q60759 | 0          | N-term +28.03 Da, K +28.03 Da, | 1143.570679 | 3 | 485.6000061 | 485.9353259 |
| AAETEEAEEDR                | Q62264 | 0          | N-term +28.03 Da,              | 1148.178711 | 2 | 639.2767334 | 639.2782332 |
| AAQASAAPKAGTATGR           | P56480 | 0.04181818 | N-term +28.03 Da, K +28.03 Da, | 1155.186401 | 3 | 495.9389954 | 495.6108422 |
| TENSTSAPAAKPKR             | P10922 | 0.02455209 | N-term +28.03 Da, K +28.03 Da, | 1165.228638 | 3 | 514.6199951 | 514.626381  |
| GAESEALKQR                 | Q9CWD8 | 0.00161551 | N-term +28.03 Da, K +28.03 Da, | 1179.831421 | 2 | 572.819397  | 572.8196728 |
| AAEKQIPGGGSGGGSGGGGGGGGGGR | Q8BMA6 | 0          | N-term +28.03 Da, K +28.03 Da, | 1181.671265 | 3 | 763.0300293 | 762.6987683 |
| SRPPCTGEGDTPR              | P10605 | 0          | N-term +28.03 Da, C +57.02 Da, | 1186.700195 | 3 | 486.5652161 | 486.5649044 |
| TGGKYVPR                   | P68372 | 0.04624625 | N-term +28.03 Da, K +28.03 Da, | 1189.399414 | 3 | 311.8599854 | 311.8553949 |
| SMQTVQKTTTR                | P05784 | 0          | N-term +28.03 Da, K +28.03 Da, | 1194.608032 | 3 | 446.2467346 | 446.2466237 |
| GPQNHEAHLR                 | Q8R0Y6 | 0.00811808 | N-term +28.03 Da,              | 1208.475342 | 3 | 396.2000122 | 396.2073793 |
| SVTVQETKEGR                | O08677 | 0          | N-term +28.03 Da, K +28.03 Da, | 1210.658813 | 3 | 430.5736389 | 430.5735054 |
| EEDEEAGEEGSQKR             | O35381 | 0          | N-term +28.03 Da, K +28.03 Da, | 1211.453979 | 3 | 636.2758179 | 636.2764724 |
| SLEDPQTHSNR                | P11499 | 0.01309442 | N-term +28.03 Da,              | 1213.884399 | 3 | 437.8808594 | 437.8811097 |
| TEEEAQVR                   | Q9WTX5 | 0.02514891 | N-term +28.03 Da,              | 1218.792114 | 2 | 559.7700195 | 559.7698461 |
| SPAPADSTPGDSSR             | P54728 | 0.00982456 | N-term +28.03 Da,              | 1219.529419 | 2 | 686.8200073 | 686.8205993 |
| NSQQPNRPTSAPSSPR           | P31809 | 0.04621849 | N-term +28.03 Da,              | 1226.604248 | 3 | 585.2999878 | 584.6309657 |
| EDEDEEEESGKGEKR            | Q9EST5 | 0.0130854  | N-term +28.03 Da, K +28.03 Da, | 1226.888794 | 3 | 660.6199951 | 660.2956441 |
| EEEAGEEGSQKR               | O35381 | 0          | N-term +28.03 Da, K +28.03 Da, | 1230.904907 | 2 | 767.3400269 | 767.355004  |
| GDEDEEAEAPTGKR             | P26350 | 0          | N-term +28.03 Da, K +28.03 Da, | 1240.301514 | 3 | 520.5776367 | 520.5776448 |
| SYVGDEAQSKR                | P60710 | 0.00082576 | N-term +28.03 Da, K +28.03 Da, | 1241.883179 | 3 | 432.5599976 | 432.5578554 |
| GDEDEEAEAPTGKR             | P26350 | 0          | N-term +28.03 Da, K +28.03 Da, | 1247.451172 | 2 | 780.3599854 | 780.362829  |
| SYVGDEAQSKR                | P60710 | 0.04447115 | N-term +28.03 Da, K +28.03 Da, | 1250.619385 | 2 | 648.3300171 | 648.3331448 |
| LDGETEEER                  | P10649 | 0.05       | N-term +28.03 Da,              | 1260.179565 | 2 | 553.2539063 | 553.2540291 |
| AGGGVHIQPR                 | Q9CPU2 | 0.03432931 | N-term +28.03 Da,              | 1265.730713 | 3 | 340.5296631 | 340.5296819 |

|                      |        |            |   |             |   |             |             |
|----------------------|--------|------------|---|-------------|---|-------------|-------------|
| TASPKEYTAGR          | P09103 | 0.00082169 | N-term +28.03 Da, K +28.03 Da,              | 1265.962158 | 3 | 412.8905945 | 412.8909457 |
| FAEAVQKSR            | Q8C196 | 0.0360988  | N-term +28.03 Da, K +28.03 Da,              | 1268.939087 | 3 | 364.5499878 | 364.5451093 |
| AGGGVHIQPR           | Q9GCU2 | 0.03759398 | N-term +28.03 Da,                           | 1273.035522 | 2 | 510.2900085 | 510.2908846 |
| SHGSHETDEEFDAR       | P12787 | 0.00597907 | N-term +28.03 Da,                           | 1276.635742 | 3 | 548.9000244 | 548.9010105 |
| SNVNDGVAQSTR         | P17751 | 0          | N-term +28.03 Da,                           | 1278.916016 | 2 | 638.3200073 | 638.3180263 |
| EATTEQQLR            | O35490 | 0          | N-term +28.03 Da,                           | 1293.727173 | 2 | 552.289978  | 552.2882056 |
| AVLHEVQR             | E9PZ31 | 0.01317614 | N-term +28.03 Da,                           | 1296.106201 | 3 | 327.1900024 | 327.1942992 |
| TDDEVVQR             | P08113 | 0          | N-term +28.03 Da,                           | 1301.425415 | 2 | 495.24823   | 495.248549  |
| GEGGSSGKAAGDETGAKVER | P97351 | 0          | N-term +28.03 Da, K +28.03 Da,              | 1304.043457 | 3 | 649.6522827 | 649.6641129 |
| EDVGQPQGR            | Q9WVA4 | 0.0125     | N-term +28.03 Da,                           | 1308.049561 | 2 | 555.7800293 | 555.7805476 |
| APVAGKKAKKGILER      | O35490 | 0          | N-term +28.03 Da, K +28.03 Da,              | 1309.802856 | 4 | 427.2900085 | 427.2908271 |
| AAQASAAPKAGTATGR     | P56480 | 0.00918728 | N-term +28.03 Da, K +28.03 Da,              | 1313.103149 | 2 | 742.4099731 | 742.9126251 |
| TKVLNEEER            | P24270 | 0.01619433 | N-term +28.03 Da, K +28.03 Da,              | 1313.748047 | 3 | 391.8873596 | 391.8873127 |
| AKDKVFGADAR          | P63038 | 0.03092784 | N-term +28.03 Da, K +28.03 Da,              | 1320.114746 | 2 | 631.3699951 | 631.3667899 |
| AKDKVFGADAR          | P63038 | 0.00534759 | N-term +28.03 Da, K +28.03 Da,              | 1328.429565 | 4 | 316.1872253 | 316.1870332 |
| VEKGPAALR            | Q61176 | 0.04191981 | N-term +28.03 Da, K +28.03 Da,              | 1332.148315 | 3 | 332.8800049 | 332.8781996 |
| AQASAAPKAGTATGR      | P56480 | 0          | N-term +28.03 Da, K +28.03 Da,              | 1333.387329 | 2 | 706.8900146 | 707.3940681 |
| EDNVTQVR             | P24270 | 0.00984529 | N-term +28.03 Da,                           | 1334.606445 | 2 | 494.7600098 | 494.756541  |
| AAQASAAPKAGTATGR     | P56480 | 0.00161421 | N-term +28.03 Da, K +28.03 Da,              | 1338.550049 | 3 | 495.2680054 | 495.6108422 |
| SWNETFHTR            | D3Z1B2 | 0.0370836  | N-term +28.03 Da,                           | 1341.793701 | 2 | 603.7925415 | 603.2885396 |
| GPETESPVR            | Q9D1M7 | 0.04179285 | N-term +28.03 Da,                           | 1344.875854 | 2 | 500.2587891 | 500.2589165 |
| SHGSHETDEEFDAR       | P12787 | 0          | N-term +28.03 Da,                           | 1345.949463 | 3 | 548.9006958 | 548.9010105 |
| SHGSHETDEEFDAR       | P12787 | 0          | N-term +28.03 Da,                           | 1353.359131 | 2 | 822.8499756 | 822.8478775 |
| GEEAGAYDGPR          | P27773 | 0.03320562 | N-term +28.03 Da,                           | 1354.255737 | 2 | 575.2600098 | 575.2621881 |
| VLSGEDKSNIK          | P01942 | 0          | N-term +28.03 Da, K +28.03 Da,              | 1354.525024 | 3 | 425.2500305 | 425.2502512 |
| STGGKEDVSYEER        | Q9R257 | 0          | N-term +28.03 Da, K +28.03 Da,              | 1354.603882 | 3 | 504.910675  | 504.9107352 |
| SSRPSQVVAETR         | P58252 | 0.00239617 | N-term +28.03 Da,                           | 1356.736572 | 3 | 448.9100037 | 448.9125211 |
| SKPPVYGACR           | P35505 | 0.00921332 | N-term +28.03 Da, K +28.03 Da, C +57.02 Da, | 1356.984497 | 3 | 397.5490417 | 397.5498659 |
| YLPKEQAR             | P43142 | 0.00939986 | N-term +28.03 Da, K +28.03 Da,              | 1358.23291  | 3 | 353.8800049 | 354.209838  |
| VLSGEDKSNIK          | P01942 | 0.0060241  | N-term +28.03 Da, K +28.03 Da,              | 1358.575928 | 2 | 637.3731079 | 637.3717385 |
| AKDKVFGADAR          | P63038 | 0          | N-term +28.03 Da, K +28.03 Da,              | 1358.727905 | 4 | 316.1877136 | 316.1870332 |
| GDTASPKEYTAGR        | P09103 | 0          | N-term +28.03 Da, K +28.03 Da,              | 1360.630737 | 3 | 470.2402344 | 470.2404151 |
| GAVEPCAQPR           | Q9JIL4 | 0.02877698 | N-term +28.03 Da, C +57.02 Da,              | 1376.380493 | 2 | 557.2800293 | 556.779493  |
| FEDVGHSTDAR          | P56395 | 0.00933238 | N-term +28.03 Da,                           | 1378.700562 | 2 | 631.289978  | 631.2940197 |
| SHGSHETDEEFDAR       | P12787 | 0.01440329 | N-term +28.03 Da,                           | 1383.693726 | 3 | 549.2299805 | 548.9010105 |
| APTQCDVPPSSR         | P70699 | 0          | N-term +28.03 Da, C +57.02 Da,              | 1384.801147 | 2 | 671.8244629 | 671.8246297 |
| LEEVGNGAR            | P08226 | 0          | N-term +28.03 Da,                           | 1385.10022  | 2 | 522.2800293 | 522.2776406 |
| VLSGEDKSNIK          | P01942 | 0.03086817 | N-term +28.03 Da, K +28.03 Da,              | 1386.483032 | 3 | 425.2506409 | 425.2502512 |
| QDDLKGGNEESTKTGNAGSR | P08228 | 0          | N-term +28.03 Da, K +28.03 Da,              | 1396.385986 | 3 | 736.0200195 | 735.6962533 |
| AAQASAAPKAGTATGR     | P56480 | 0          | N-term +28.03 Da, K +28.03 Da,              | 1405.863525 | 2 | 742.9000244 | 742.9126251 |



|                       |        |            |  |             |   |             |             |
|-----------------------|--------|------------|--|-------------|---|-------------|-------------|
| APTQCDVPPSSR          | P70699 | 0          | N-term +28.03 Da, C +57.02 Da,             | 1416.921265 | 2 | 671.8236084 | 671.8246297 |
| FSDAENPR              | P01897 | 0.00603774 | N-term +28.03 Da,                          | 1419.506714 | 2 | 539.7399902 | 539.743631  |
| PMIDNPNYKKG           | P35564 | 0.00980392 | N-term +28.03 Da, K +28.03 Da,             | 1427.821167 | 3 | 454.9100037 | 454.2479644 |
| TEAPLNPKANR           | P60710 | 0.03713027 | N-term +28.03 Da, K +28.03 Da,             | 1432.2677   | 3 | 422.9102783 | 422.9103401 |
| TVEEDLGKSR            | P08113 | 0.01571038 | N-term +28.03 Da, K +28.03 Da,             | 1435.77771  | 2 | 595.324585  | 595.3247883 |
| DPANQEIER             | Q99KI0 | 0.00535578 | N-term +28.03 Da,                          | 1445.154541 | 2 | 550.272644  | 550.2725556 |
| VAEDEDDDDVDTKKQKTEEDD | P26350 | 0          | N-term +28.03 Da, K +28.03 Da,             | 1446.519409 | 4 | 638.539978  | 638.5408928 |
| GGFCEVCKK             | Q61207 | 0.00084246 | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 1453.125366 | 3 | 390.1994324 | 390.1999568 |
| HGGPGVSTGPTTEGR       | F6V1Q5 | 0.04793289 | N-term +28.03 Da,                          | 1456.416992 | 3 | 446.8999939 | 446.2249877 |
| TNPADSKPGTIR          | P15532 | 0          | N-term +28.03 Da, K +28.03 Da,             | 1456.567871 | 3 | 438.25      | 438.2455001 |
| TTTIEAVKR             | D3Z2H9 | 0.00813609 | N-term +28.03 Da, K +28.03 Da,             | 1458.054688 | 3 | 358.8887634 | 358.8887647 |
| SFTTTAER              | P60710 | 0.04133251 | N-term +28.03 Da,                          | 1469.764648 | 2 | 470.7411194 | 470.7403594 |
| SANEDNVTQVR           | P24270 | 0          | N-term +28.03 Da,                          | 1471.126831 | 2 | 630.8099976 | 630.8125768 |
| VLSGEDKSNIK           | P01942 | 0          | N-term +28.03 Da, K +28.03 Da,             | 1471.863525 | 3 | 425.5799866 | 425.2502512 |
| GGVEKGPAALR           | Q61176 | 0          | N-term +28.03 Da, K +28.03 Da,             | 1477.760498 | 3 | 370.8923035 | 370.892509  |
| GSHETDEEFDAR          | P12787 | 0          | N-term +28.03 Da,                          | 1478.761353 | 2 | 710.7999878 | 710.8024068 |
| ADTPGEATPPPR          | Q9ERE7 | 0          | N-term +28.03 Da,                          | 1481.546997 | 2 | 618.8152466 | 618.8145878 |
| HTIILASDKR            | B5X0G2 | 0.00083612 | N-term +28.03 Da, K +28.03 Da,             | 1491.072876 | 3 | 403.9140015 | 403.9153138 |
| SANEDNVTQVR           | P24270 | 0          | N-term +28.03 Da,                          | 1501.732178 | 2 | 630.8119507 | 630.8125768 |
| TDAAQALGKR            | Q9JLI6 | 0.04115479 | N-term +28.03 Da, K +28.03 Da,             | 1506.247314 | 3 | 362.8800049 | 362.8803806 |
| NSANEDNVTQVR          | P24270 | 0.00084034 | N-term +28.03 Da,                          | 1506.600586 | 2 | 687.3400269 | 687.8340409 |
| TYLHQQMR              | Q9EQ21 | 0.002331   | N-term +28.03 Da,                          | 1516.125732 | 2 | 552.7846069 | 552.784578  |
| DITDGNSEHLKR          | Q9DBH5 | 0          | N-term +28.03 Da, K +28.03 Da,             | 1519.009277 | 3 | 480.9202271 | 480.9195645 |
| GDEDEEAEAPTGKR        | P26350 | 0.00082919 | N-term +28.03 Da, K +28.03 Da,             | 1538.455933 | 2 | 780.3499756 | 780.362829  |
| SHGSHETDEEFDAR        | P12787 | 0          | N-term +28.03 Da,                          | 1546.983765 | 2 | 822.3400269 | 822.8478775 |
| TEDVKEAIR             | Q9D855 | 0.00882353 | N-term +28.03 Da, K +28.03 Da,             | 1554.088501 | 3 | 372.8804016 | 372.880158  |
| PMIDNPNYKKG           | P35564 | 0.0311284  | N-term +28.03 Da, K +28.03 Da,             | 1556.533936 | 3 | 454.2399902 | 454.2479644 |
| NPATNEVVGR            | Q9EQ20 | 0.02136182 | N-term +28.03 Da,                          | 1559.723877 | 2 | 542.7909546 | 542.7909151 |
| SELQSQMQR             | Q8R317 | 0.00537634 | N-term +28.03 Da,                          | 1564.057861 | 2 | 567.7820435 | 567.782233  |
| SVQCAVDVVKR           | P24270 | 0.00084818 | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 1565.570801 | 3 | 406.5608215 | 406.5605423 |
| EDVCQDCMK             | Q61207 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 1572.00293  | 2 | 620.7537842 | 620.7539698 |
| GFAGDDAPR             | P60710 | 0.03080873 | N-term +28.03 Da,                          | 1575.184326 | 2 | 467.2251282 | 467.2248764 |
| GTGNKNKINITNDQNR      | P20029 | 0.00084175 | N-term +28.03 Da, K +28.03 Da,             | 1582.97583  | 3 | 620         | 620.0095542 |
| EMDEQIR               | D3Z2H9 | 0.03061889 | N-term +28.03 Da,                          | 1597.874512 | 2 | 474.730011  | 474.7263948 |
| DGDEDEEAEAPTGKR       | P26350 | 0          | N-term +28.03 Da, K +28.03 Da,             | 1608.440552 | 2 | 837.8599854 | 837.8763011 |
| AEFASEACR             | Q9ERR7 | 0.00081766 | N-term +28.03 Da, C +57.02 Da,             | 1613.456055 | 2 | 534.7399902 | 534.7425764 |
| GAVEAISDR             | P10605 | 0.02262142 | N-term +28.03 Da,                          | 1628.05896  | 2 | 473.2549133 | 473.253634  |
| GTVEEDLGKSR           | P08113 | 0          | N-term +28.03 Da, K +28.03 Da,             | 1631.44104  | 3 | 416.230011  | 416.2261057 |
| SVVPGAEDQR            | Q6P6J9 | 0.00235664 | N-term +28.03 Da,                          | 1634.759521 | 2 | 578.7999878 | 578.8014802 |
| SSSAPVASPNVR          | Q05920 | 0          | N-term +28.03 Da,                          | 1636.012329 | 2 | 600.3200073 | 600.3225798 |

|                        |        |            |                                |             |   |             |             |
|------------------------|--------|------------|--------------------------------|-------------|---|-------------|-------------|
| SFSAPEQQR              | P24270 | 0.04184354 | N-term +28.03 Da,              | 1637.088257 | 2 | 539.7700195 | 539.2698156 |
| STEVEAAVNR             | P29391 | 0.00598802 | N-term +28.03 Da,              | 1638.550293 | 2 | 552.2873535 | 552.2882056 |
| GTVVEEDLGKSR           | P08113 | 0          | N-term +28.03 Da, K +28.03 Da, | 1638.739868 | 2 | 623.8357544 | 623.8355204 |
| AVAVTMGPKGR            | P63038 | 0.00083403 | N-term +28.03 Da, K +28.03 Da, | 1651.72583  | 3 | 381.5620728 | 381.5619943 |
| GPSGKLWR               | P16858 | 0.0407911  | N-term +28.03 Da, K +28.03 Da, | 1655.036133 | 3 | 319.5274963 | 319.5273895 |
| EAGPETESPVVR           | Q9D1M7 | 0.01376462 | N-term +28.03 Da,              | 1658.678711 | 2 | 600.2990112 | 600.2987707 |
| ATTVQEQLR              | Q8BG07 | 0.00232378 | N-term +28.03 Da,              | 1675.349365 | 2 | 537.3009644 | 537.3011157 |
| SEPAQPAVQQAPAR         | Q7TNL9 | 0          | N-term +28.03 Da,              | 1676.99939  | 2 | 739.3895874 | 739.3915256 |
| MLPMRER                | E9PYF7 | 0.02883355 | N-term +28.03 Da,              | 1683.660889 | 2 | 481.269989  | 480.7595168 |
| SVVPGAEDQR             | Q6P6J9 | 0.00083682 | N-term +28.03 Da,              | 1690.31311  | 2 | 578.7999878 | 578.8014802 |
| EKIETELR               | P63101 | 0.01441318 | N-term +28.03 Da, K +28.03 Da, | 1690.695801 | 3 | 358.8800049 | 358.5448867 |
| TPEAAVEHPEAVR          | O35490 | 0          | N-term +28.03 Da,              | 1694.277344 | 3 | 478.5799866 | 478.5842932 |
| SELSGAADEAAR           | Q9D3D9 | 0.00162734 | N-term +28.03 Da,              | 1697.867798 | 2 | 602.7924194 | 602.7938527 |
| ETEATFAR               | P55264 | 0.00233645 | N-term +28.03 Da,              | 1698.119019 | 2 | 512.2600098 | 512.2589165 |
| EDGDEDEEAEAPTGKR       | P26350 | 0          | N-term +28.03 Da, K +28.03 Da, | 1701.97876  | 2 | 902.3800049 | 902.3975982 |
| ETDEEFDAR              | P12787 | 0.0060015  | N-term +28.03 Da,              | 1712.673706 | 2 | 570.25      | 570.246204  |
| SLGLYGKNQR             | P19157 | 0.00529902 | N-term +28.03 Da, K +28.03 Da, | 1721.187866 | 3 | 397.8999939 | 397.8996637 |
| TPETAKEAELAAR          | Q9QYG0 | 0          | N-term +28.03 Da, K +28.03 Da, | 1722.601563 | 3 | 481.6000061 | 481.5998319 |
| SVGIEADDDR             | P99027 | 0.0008547  | N-term +28.03 Da,              | 1725.32605  | 2 | 552.7600098 | 552.7620211 |
| IVGNEHYDVAR            | P56480 | 0          | N-term +28.03 Da,              | 1728.407227 | 3 | 434.2263184 | 434.2263284 |
| GATTVQEQLR             | Q8BG07 | 0          | N-term +28.03 Da,              | 1740.362549 | 2 | 565.8106079 | 565.8118477 |
| DVKFGADAR              | P63038 | 0.00981767 | N-term +28.03 Da, K +28.03 Da, | 1744.885254 | 3 | 345.5259399 | 345.5258262 |
| YEEIVDR                | O08692 | 0.04171779 | N-term +28.03 Da,              | 1747.88147  | 2 | 476.2432556 | 476.242735  |
| GTTTATVLAR             | P63038 | 0          | N-term +28.03 Da,              | 1769.07312  | 2 | 509.7983704 | 509.7982087 |
| TATPQQAQEVHEKLR        | P17751 | 0          | N-term +28.03 Da, K +28.03 Da, | 1769.224121 | 4 | 448.75      | 448.7482527 |
| GATTVQEQLR             | Q8BG07 | 0          | N-term +28.03 Da,              | 1769.328003 | 2 | 565.2999878 | 565.8118477 |
| LPLAFAPAAALAGPGRVEPPQK | Q64731 | 0.04952267 | N-term +28.03 Da, K +28.03 Da, | 1770.97168  | 3 | 743.0999756 | 743.1035659 |
| TATPQQAQEVHEKLR        | P17751 | 0.04994055 | N-term +28.03 Da, K +28.03 Da, | 1774.301758 | 3 | 598         | 597.9952448 |
| SDSMDTGAGSIR           | O35143 | 0.02327128 | N-term +28.03 Da,              | 1776.023193 | 2 | 612.2800293 | 612.7798881 |
| ASDALDKIR              | P08113 | 0.00921986 | N-term +28.03 Da, K +28.03 Da, | 1778.732056 | 3 | 348.8732605 | 348.8731146 |
| AKPPLGSLR              | P23953 | 0.04081633 | N-term +28.03 Da, K +28.03 Da, | 1788.956665 | 3 | 332.2181396 | 332.2184446 |
| ATLKDITR               | Q91VR2 | 0.00810612 | N-term +28.03 Da, K +28.03 Da, | 1798.783813 | 3 | 325.2062683 | 325.2062049 |
| VKIVTVKTQ              | Q9D0F9 | 0          | N-term +28.03 Da, K +28.03 Da, | 1799.394287 | 3 | 367.2532959 | 367.2531551 |
| DGEEAGAYDGPR           | P27773 | 0          | N-term +28.03 Da,              | 1809.005737 | 2 | 632.7700195 | 632.7756601 |
| GKLVSESSDVVSK          | P11679 | 0.01568895 | N-term +28.03 Da, K +28.03 Da, | 1812.696533 | 3 | 473.6099854 | 473.6082159 |
| GEVDDEEDEEEAGEEEGSQKR  | O35381 | 0          | N-term +28.03 Da, K +28.03 Da, | 1814.505249 | 3 | 808.3400269 | 808.0052593 |
| TGEEDTSEKDEL           | P20029 | 0.03314213 | N-term +28.03 Da, K +28.03 Da, | 1819.560425 | 2 | 705.3300171 | 704.8199314 |
| LTEAPLNPKANR           | P60710 | 0.03805365 | N-term +28.03 Da, K +28.03 Da, | 1825.370117 | 3 | 460.6000061 | 460.6050282 |
| SSPPVVNTVK             | Q8VCT4 | 0.00600601 | N-term +28.03 Da, K +28.03 Da, | 1830.453857 | 2 | 542.3236084 | 542.3240593 |
| RPLPPSPVVR             | Q9ESY9 | 0.03201024 | N-term +28.03 Da,              | 1833.464966 | 3 | 381.9043274 | 381.9047487 |

|                          |        |            |                                |             |   |             |             |
|--------------------------|--------|------------|--------------------------------|-------------|---|-------------|-------------|
| GKVNSDEVGGEALGR          | P02088 | 0.03798257 | N-term +28.03 Da, K +28.03 Da, | 1854.76709  | 3 | 515.2748413 | 515.2740076 |
| DPEATSHSTQDPLEAQAKSR     | P97290 | 0          | N-term +28.03 Da, K +28.03 Da, | 1861.398315 | 3 | 742.3599854 | 742.0328654 |
| RPIPPSPPVK               | E9Q5W2 | 0.00530705 | N-term +28.03 Da, K +28.03 Da, | 1871.098022 | 3 | 381.9100037 | 381.9131328 |
| EVEMDAVGKEGR             | Q8C196 | 0          | N-term +28.03 Da, K +28.03 Da, | 1873.557007 | 3 | 459.2342224 | 459.234384  |
| TEPELSETQR               | Q9DD06 | 0          | N-term +28.03 Da,              | 1874.232544 | 2 | 609.8099976 | 609.3040532 |
| TEPELSETQR               | Q9DD06 | 0          | N-term +28.03 Da,              | 1877.080566 | 2 | 609.2999878 | 609.3040532 |
| GVNESLDTAR               | P11725 | 0.00952381 | N-term +28.03 Da,              | 1879.562012 | 2 | 595.7999878 | 595.8042202 |
| SDEVGGEALGR              | P02088 | 0.00085106 | N-term +28.03 Da,              | 1887.390625 | 2 | 559.2774658 | 559.2778381 |
| TATILDKPEDR              | O35215 | 0.00084962 | N-term +28.03 Da, K +28.03 Da, | 1890.226685 | 3 | 439.25      | 438.9136391 |
| ELETMTGEKVK              | P12710 | 0.01561439 | N-term +28.03 Da, K +28.03 Da, | 1906.332031 | 3 | 450.2507935 | 450.2512635 |
| SDSSDSMDTGAGSIR          | O35143 | 0          | N-term +28.03 Da,              | 1910.176025 | 2 | 757.3300171 | 757.3253893 |
| STSSMGTLPKQVK            | P38060 | 0          | N-term +28.03 Da, K +28.03 Da, | 1913.436157 | 3 | 483.6099854 | 483.2778125 |
| DLQTGQISNR               | Q64374 | 0.00232919 | N-term +28.03 Da,              | 1914.73645  | 2 | 580.3099976 | 580.3069297 |
| MGQKDSYVGDEAQSQR         | P60710 | 0          | N-term +28.03 Da, K +28.03 Da, | 1916.822632 | 3 | 628.6400146 | 628.3157671 |
| SDSVTEETLR               | Q8C196 | 0          | N-term +28.03 Da,              | 1923.364258 | 2 | 582.789978  | 582.7907787 |
| DESGPSIVHR               | P60710 | 0.04024768 | N-term +28.03 Da,              | 1926.637817 | 2 | 562.2888794 | 562.7883726 |
| DEVGGEALGR               | P02088 | 0          | N-term +28.03 Da,              | 1946.750122 | 2 | 515.7611084 | 515.7618235 |
| HTTGSLNNER               | O08601 | 0.04212454 | N-term +28.03 Da,              | 1958.144409 | 2 | 634.8200073 | 635.3309363 |
| GQDYLVGNR                | P10648 | 0.01314879 | N-term +28.03 Da,              | 1964.965454 | 2 | 525.2700195 | 525.2723581 |
| RPELTGAKVVVSGGR          | Q99LC5 | 0          | N-term +28.03 Da, K +28.03 Da, | 1971.658569 | 4 | 396.2399902 | 396.2413344 |
| AVSPDISTTER              | Q02788 | 0.03553299 | N-term +28.03 Da,              | 1977.302246 | 2 | 602.3134155 | 602.3144208 |
| EDEEEEEDEGPVR            | Q9D0J8 | 0          | N-term +28.03 Da,              | 1983.845581 | 2 | 924.3699951 | 924.3687042 |
| TEAVEAKQVAQQAER          | P67778 | 0          | N-term +28.03 Da, K +28.03 Da, | 1995.395386 | 3 | 614.9899902 | 614.9900485 |
| EDEEEEEDEGPVR            | Q9D0J8 | 0          | N-term +28.03 Da,              | 2002.081177 | 2 | 859.8499756 | 859.847407  |
| GDTHLGGEDFDQR            | P20029 | 0          | N-term +28.03 Da,              | 2003.032104 | 3 | 492.2234802 | 492.2234244 |
| GSDLQLER                 | P68372 | 0.02010724 | N-term +28.03 Da,              | 2003.258423 | 2 | 530.7672119 | 530.7671061 |
| AGELTEDEVER              | P62270 | 0          | N-term +28.03 Da,              | 2003.517456 | 2 | 638.8099976 | 638.3067933 |
| EDEEEEEDEGPVR            | Q9D0J8 | 0          | N-term +28.03 Da,              | 2011.224731 | 2 | 860.8499756 | 859.847407  |
| LEEHPGGEEVLR             | P56395 | 0          | N-term +28.03 Da,              | 2012.414307 | 3 | 464.9090271 | 464.9087768 |
| SDTPCDDFTR               | P28798 | 0          | N-term +28.03 Da, C +57.02 Da, | 2021.309082 | 2 | 621.2600098 | 621.2587885 |
| SVQLMER                  | P01027 | 0.03913043 | N-term +28.03 Da,              | 2021.500244 | 2 | 445.7399902 | 445.7418473 |
| VEIANDQGNR               | P16627 | 0.00533537 | N-term +28.03 Da,              | 2026.083008 | 2 | 628.8319092 | 628.8333118 |
| HQGVVMVGMGQKDSYVGDEAQSQR | P60710 | 0          | N-term +28.03 Da, K +28.03 Da, | 2029.258057 | 4 | 648.5638428 | 648.5730775 |
| VISLSGEH                 | P08228 | 0.02263648 | N-term +28.03 Da,              | 2035.17981  | 2 | 435.2399902 | 435.2399949 |
| SVTEQGAELSNEER           | P63101 | 0          | N-term +28.03 Da,              | 2041.932251 | 2 | 789.3699951 | 788.8761036 |
| SSFQIVKNPR               | Q61176 | 0.00532725 | N-term +28.03 Da, K +28.03 Da, | 2044.637451 | 3 | 411.5799866 | 411.2434304 |
| SEPEEFQPER               | Q64459 | 0.01254355 | N-term +28.03 Da,              | 2048.110352 | 2 | 639.3099976 | 638.2962282 |
| SDTPCDDFTR               | P28798 | 0          | N-term +28.03 Da, C +57.02 Da, | 2052.378662 | 2 | 621.2600098 | 621.2587885 |
| EPDLSDDIKER              | B5X0G2 | 0.00535168 | N-term +28.03 Da, K +28.03 Da, | 2052.550293 | 3 | 448.8999939 | 448.9050325 |
| TITYGPKVVV               | P12710 | 0          | N-term +28.03 Da, K +28.03 Da, | 2052.963135 | 3 | 397.25      | 397.2482928 |

|                      |        |            |                                |             |   |             |             |
|----------------------|--------|------------|--------------------------------|-------------|---|-------------|-------------|
| DSSDSMDTGAGSIR       | O35143 | 0          | N-term +28.03 Da,              | 2053.160156 | 2 | 713.8099976 | 713.8093747 |
| TESFEDVGHSPDAR       | Q9CQX2 | 0          | N-term +28.03 Da,              | 2054.296631 | 3 | 525.5700073 | 525.5742345 |
| TQEKATPR             | Q8VHK9 | 0.03710692 | N-term +28.03 Da, K +28.03 Da, | 2062.230957 | 2 | 493.2868347 | 493.7851011 |
| IPKSVDWDR            | P06797 | 0.02009377 | N-term +28.03 Da, K +28.03 Da, | 2064.411621 | 3 | 352.8774109 | 352.8781996 |
| TGGDAAAPGAAGTQAEIPHR | Q9D0F3 | 0          | N-term +28.03 Da,              | 2081.818115 | 3 | 625.9817505 | 625.9817758 |
| NATLSVEPEGR          | Q9QYR9 | 0          | N-term +28.03 Da,              | 2081.893555 | 2 | 600.8099976 | 600.8145878 |
| EPDLSSDIKER          | B5X0G2 | 0          | N-term +28.03 Da, K +28.03 Da, | 2083.164551 | 3 | 448.8999939 | 448.9050325 |
| SIGVVGTAEQNR         | O35215 | 0          | N-term +28.03 Da,              | 2084.439453 | 2 | 629.8396606 | 629.8411369 |
| TKVSSLIER            | Q921X9 | 0.0257766  | N-term +28.03 Da, K +28.03 Da, | 2084.876709 | 3 | 363.8900146 | 363.560648  |
| VPIDVDKTKVHNTEPVENAR | P81117 | 0          | N-term +28.03 Da, K +28.03 Da, | 2094.469238 | 4 | 587.3300171 | 587.0760443 |
| KYELEVEQIAR          | D3Z4R1 | 0.03088803 | N-term +28.03 Da, K +28.03 Da, | 2100.290527 | 3 | 478.2777405 | 478.6048056 |
| EEKEASLAKIKEQTR      | P30115 | 0          | N-term +28.03 Da, K +28.03 Da, | 2102.275391 | 4 | 469.019989  | 468.7754733 |
| TGGDAAAPGAAGTQAEIPHR | Q9D0F3 | 0          | N-term +28.03 Da,              | 2102.628174 | 2 | 938.460022  | 938.4690254 |
| EEKEASLAKIKEQTR      | P30115 | 0          | N-term +28.03 Da, K +28.03 Da, | 2106.598877 | 4 | 468.76651   | 468.7754733 |
| NPDEVGGEALGR         | P02089 | 0          | N-term +28.03 Da,              | 2110.286377 | 2 | 621.3200073 | 621.3096697 |
| TGGDAAAPGAAGTQAEIPHR | Q9D0F3 | 0          | N-term +28.03 Da,              | 2112.933838 | 3 | 625.9799805 | 625.9817758 |
| TSNPENTVFDAGR        | P20029 | 0          | N-term +28.03 Da, K +28.03 Da, | 2118.163818 | 3 | 512.2662354 | 512.2668529 |
| SPPAPSDSVKIEER       | Q9R257 | 0.00235849 | N-term +28.03 Da, K +28.03 Da, | 2122.73877  | 3 | 566.6300049 | 566.2965897 |
| ADVDLAVKAAR          | Q9CZS1 | 0          | N-term +28.03 Da, K +28.03 Da, | 2124.110352 | 3 | 395.9100037 | 395.5714357 |
| GAFLAEESR            | P10518 | 0.00929235 | N-term +28.03 Da,              | 2124.200439 | 2 | 504.2600098 | 504.261459  |
| ADVDLAVKAAR          | Q9CZS1 | 0          | N-term +28.03 Da, K +28.03 Da, | 2125.926025 | 3 | 395.5715332 | 395.5714357 |
| FNSANEDNVTQVR        | P24270 | 0.04027261 | N-term +28.03 Da,              | 2137.166016 | 2 | 761.3599854 | 761.368248  |
| TSVDLEETGR           | Q03265 | 0          | N-term +28.03 Da,              | 2145.732666 | 2 | 567.7849731 | 567.7854962 |
| SVVPGAAEDQR          | Q6P6J9 | 0.00938628 | N-term +28.03 Da,              | 2157.694824 | 2 | 578.2999878 | 578.8014802 |
| GPVQGTIHFEQK         | P08228 | 0          | N-term +28.03 Da, K +28.03 Da, | 2161.150635 | 3 | 466.2567139 | 466.2576285 |
| VLTKFVEGAR           | Q8C196 | 0.01316701 | N-term +28.03 Da, K +28.03 Da, | 2166.161133 | 3 | 392.5799866 | 392.5764094 |
| YPSPPVNTVKKGK        | Q8VCT4 | 0          | N-term +28.03 Da, K +28.03 Da, | 2166.74585  | 3 | 519.9799805 | 519.6397387 |
| SSEAPPLVNEDVKR       | Q91YQ5 | 0.00081433 | N-term +28.03 Da, K +28.03 Da, | 2168.171875 | 3 | 532.9580688 | 532.957908  |
| STAPGQGGILAQR        | Q9CPW5 | 0          | N-term +28.03 Da,              | 2168.333984 | 2 | 685.8699951 | 685.8729685 |
| SDSMDTGAGSIR         | O35143 | 0.03316327 | N-term +28.03 Da,              | 2173.19751  | 2 | 612.2700195 | 612.7798881 |
| SKDSEGSWFR           | O55125 | 0.03110823 | N-term +28.03 Da, K +28.03 Da, | 2176.899902 | 3 | 418.8699951 | 418.8752956 |
| PTGSYHGSDSLQLER      | Q7TMM9 | 0          | N-term +28.03 Da,              | 2179.880371 | 3 | 568.2700195 | 568.2725556 |
| SQAEFDKAAEEVKR       | P31786 | 0.00237718 | N-term +28.03 Da, K +28.03 Da, | 2180.052002 | 3 | 564.9699707 | 564.6369461 |
| EEEEEEDEGPVR         | Q9D0J8 | 0          | N-term +28.03 Da,              | 2185.192871 | 2 | 737.7999878 | 737.8126379 |
| SKDSEGSWFR           | O55125 | 0.03717706 | N-term +28.03 Da, K +28.03 Da, | 2190.312256 | 2 | 627.8084717 | 627.8093052 |
| YPSPPVNTVKKGK        | Q8VCT4 | 0          | N-term +28.03 Da, K +28.03 Da, | 2198.178955 | 3 | 519.6397095 | 519.6397387 |
| SSEAPPLVNEDVKR       | Q91YQ5 | 0          | N-term +28.03 Da, K +28.03 Da, | 2198.605957 | 3 | 532.9577637 | 532.957908  |
| ESIESEIR             | Q01853 | 0.04118009 | N-term +28.03 Da,              | 2200.889893 | 2 | 495.7600098 | 495.7587495 |
| EDEEESPGQAKDEL       | P14211 | 0          | N-term +28.03 Da, K +28.03 Da, | 2205.520752 | 2 | 816.3676147 | 816.3677776 |
| DTPCDDFTR            | P28798 | 0          | N-term +28.03 Da, C +57.02 Da, | 2210.352539 | 2 | 577.7399902 | 577.7427739 |

|                    |        |            |  |             |   |             |             |
|--------------------|--------|------------|--|-------------|---|-------------|-------------|
| GMEEGEFSEAR        | P05213 | 0          | N-term +28.03 Da,                          | 2211.081299 | 2 | 635.2800293 | 635.2744385 |
| LAPEYAAAATR        | P27773 | 0          | N-term +28.03 Da,                          | 2214.861328 | 2 | 610.8200073 | 610.3195058 |
| AGEEAADSPELPR      | Q9CPW2 | 0          | N-term +28.03 Da,                          | 2216.542236 | 2 | 685.3320923 | 685.3333424 |
| STPTLVEAAR         | P07724 | 0.04138357 | N-term +28.03 Da,                          | 2218.675049 | 2 | 536.8035278 | 536.8034912 |
| TFFSETGAGKHVPR     | P05213 | 0.00082781 | N-term +28.03 Da, K +28.03 Da,             | 2218.770996 | 4 | 398.4700012 | 398.2163223 |
| APKVTSELLR         | Q6P1B1 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2226.62915  | 3 | 390.5788879 | 390.5799311 |
| TVIKEVLQR          | Q8CAY6 | 0.02706271 | N-term +28.03 Da, K +28.03 Da,             | 2226.870117 | 3 | 381.25      | 381.2482928 |
| TFFSETGAGKHVPR     | P05213 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2226.999023 | 4 | 398.2200012 | 398.2163223 |
| SEPEIPK GIR        | Q9WTP6 | 0.00082508 | N-term +28.03 Da, K +28.03 Da,             | 2228.107178 | 3 | 394.5700073 | 394.5678027 |
| AIDAALAAR          | Q8CHT0 | 0          | N-term +28.03 Da,                          | 2228.292969 | 2 | 450.269989  | 450.2690865 |
| GTDPEVDIR          | Q3THE2 | 0.03100775 | N-term +28.03 Da,                          | 2229.246582 | 2 | 515.2600098 | 515.2641991 |
| VNSDEVGGEALGR      | P02088 | 0          | N-term +28.03 Da,                          | 2231.113037 | 2 | 666.3300171 | 665.8335094 |
| APKVTSELLR         | Q6P1B1 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2232.217285 | 2 | 585.3599854 | 585.3662584 |
| GT SPLQIDR         | Q8C196 | 0.04679064 | N-term +28.03 Da,                          | 2232.462402 | 2 | 507.7799988 | 507.7825586 |
| SEPEIPK GIR        | Q9WTP6 | 0.03051948 | N-term +28.03 Da, K +28.03 Da,             | 2234.728516 | 2 | 591.8499756 | 591.3480659 |
| IQEELEKLR          | Q99PL5 | 0.00161681 | N-term +28.03 Da, K +28.03 Da,             | 2234.975342 | 3 | 405.5799866 | 405.2432078 |
| GQVITIGNER         | P60710 | 0.01566757 | N-term +28.03 Da,                          | 2239.117432 | 2 | 557.8139648 | 557.8143902 |
| QYELVVHEDMDTAK     | P37040 | 0.03141026 | N-term +28.03 Da, K +28.03 Da,             | 2240.256592 | 2 | 867.4400024 | 867.4243747 |
| VKVG VNGFGR        | P16858 | 0.03703704 | N-term +28.03 Da, K +28.03 Da,             | 2248.541748 | 3 | 363.5570679 | 363.557349  |
| YNFTTTAER          | Q8BFZ3 | 0.01312155 | N-term +28.03 Da,                          | 2252.929443 | 2 | 566.7700195 | 565.7774736 |
| APKVTSELLR         | Q6P1B1 | 0.00083542 | N-term +28.03 Da, K +28.03 Da,             | 2256.802734 | 3 | 390.2399902 | 390.5799311 |
| SEPEIPK GIR        | Q9WTP6 | 0.00602864 | N-term +28.03 Da, K +28.03 Da,             | 2259.397217 | 3 | 394.5674133 | 394.5678027 |
| ELSEEDKLT VSR      | P56480 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2263.853271 | 3 | 487.9317017 | 487.9313589 |
| ELSEEDKLT VSR      | P56480 | 0.00943396 | N-term +28.03 Da, K +28.03 Da,             | 2265.37207  | 2 | 731.4000244 | 731.3934001 |
| EGDEEDEEEEEDEGPVR  | Q9D0J8 | 0          | N-term +28.03 Da,                          | 2275.260986 | 2 | 1075.420044 | 1074.914205 |
| EEDEEESPGQAKDEL    | P14211 | 0.00529101 | N-term +28.03 Da, K +28.03 Da,             | 2279.003418 | 2 | 880.8900146 | 880.8890747 |
| TANLGAGAAQPLR      | P08226 | 0.00085251 | N-term +28.03 Da,                          | 2280.107666 | 2 | 634.3585815 | 634.3594964 |
| AELMQQKEATTEQQLR   | O35490 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2283.512451 | 3 | 654.0095825 | 654.0104552 |
| AGYLTEPVNR         | Q64521 | 0.02763158 | N-term +28.03 Da,                          | 2297.128662 | 2 | 574.3101807 | 574.3089407 |
| EQAEAEVASLNR       | D3Z6I8 | 0.00935252 | N-term +28.03 Da,                          | 2307.052002 | 2 | 673.3400269 | 672.8413344 |
| GAEYGAEALER        | P01942 | 0          | N-term +28.03 Da,                          | 2317.27417  | 2 | 597.2902222 | 597.2934882 |
| VSTSSMGTLPKQVK     | P38060 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2318.875244 | 3 | 516.2999878 | 516.3006173 |
| SEPEIPK GIR        | Q9WTP6 | 0.03612167 | N-term +28.03 Da, K +28.03 Da,             | 2320.557861 | 3 | 394.5674744 | 394.5678027 |
| VTAGKDG VANVSIEDR  | P08228 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2323.445313 | 3 | 562.9699707 | 562.9722174 |
| EEAGDGTTTATVLAR    | P63038 | 0          | N-term +28.03 Da,                          | 2332.279297 | 2 | 760.8900146 | 760.3835641 |
| CELETMTGEKVK       | P12710 | 0.0092068  | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 2332.773193 | 3 | 503.5957336 | 503.5948131 |
| VAPMKGQVCVVTGASR   | Q99L04 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 2336.627441 | 3 | 572.6500244 | 572.6480226 |
| AEQRRLGEELEALR     | Q6URW6 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2339.80957  | 4 | 493.0292358 | 493.0260883 |
| YFQGS LPAR         | P52760 | 0.04215027 | N-term +28.03 Da,                          | 2341.605713 | 2 | 533.789978  | 533.7876436 |
| SGGPPPTGEEDTSEKDEL | P20029 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2342.097412 | 2 | 950.9400024 | 950.9365564 |

|                          |        |            |  |             |   |             |             |
|--------------------------|--------|------------|--|-------------|---|-------------|-------------|
| SIMKCDVDIR               | P60710 | 0.01116539 | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 2343.831299 | 3 | 431.5615234 | 431.5615546 |
| KEEDEEESPGQAKDEL         | P14211 | 0.00237906 | N-term +28.03 Da, K +28.03 Da,             | 2346.844727 | 2 | 958.9400024 | 958.9522065 |
| VLSGEDKSNIAAWGK          | P01942 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2348.132568 | 4 | 454.519989  | 454.5148248 |
| ALAEHPAVAESAVVSSPKDR     | Q91VA0 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2351.226318 | 4 | 552.039978  | 552.0432072 |
| LTPHTYLTKQDVER           | Q9DBG6 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2352.69873  | 4 | 439.9956665 | 439.9952622 |
| GDVDAVLSR                | Q8R0Y6 | 0.00601504 | N-term +28.03 Da,                          | 2352.77417  | 2 | 480.262207  | 480.261459  |
| VLSGEDKSNIAAWGK          | P01942 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2352.849609 | 3 | 605.6848755 | 605.6840076 |
| LTPHTYLTKQDVER           | Q9DBG6 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2353.227051 | 3 | 586.3253784 | 586.3245908 |
| VTAGKDGVANVSIEDR         | P08228 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2353.94751  | 3 | 562.9699707 | 562.9722174 |
| KEEDEEESPGQAKDEL         | P14211 | 0.04084158 | N-term +28.03 Da, K +28.03 Da,             | 2354.641602 | 3 | 639.6300049 | 639.6372298 |
| VLSGEDKSNIAAWGK          | P01942 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2357.743408 | 2 | 908.5200195 | 908.0223731 |
| TAVKQLQAEGLSPR           | P48758 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2358.780273 | 3 | 518.6400146 | 518.6385094 |
| DLRQHSVDLR               | D3YVB6 | 0.04166667 | N-term +28.03 Da,                          | 2364.353516 | 2 | 633.8499756 | 633.8492959 |
| TLGDIVYKR                | P12710 | 0.00235479 | N-term +28.03 Da, K +28.03 Da,             | 2374.209717 | 3 | 374.5599976 | 374.2290097 |
| SAADSEDSPTIEAVR          | P10518 | 0.01250869 | N-term +28.03 Da,                          | 2374.740479 | 2 | 788.3800049 | 788.3784791 |
| VLSGEDKSNIAAWGK          | P01942 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2378.632324 | 4 | 454.5146484 | 454.5148248 |
| LLTEAPLNPKANR            | P60710 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2378.858643 | 3 | 498.300354  | 498.2997163 |
| TLGDIVYKR                | P12710 | 0.009299   | N-term +28.03 Da, K +28.03 Da,             | 2380.119385 | 2 | 560.8401489 | 560.8398763 |
| DTVSTLYNR                | Q8R0Y6 | 0.00238284 | N-term +28.03 Da,                          | 2380.35376  | 2 | 548.7841187 | 548.7852986 |
| SAWNLENR                 | Q9DBJ1 | 0.03761755 | N-term +28.03 Da,                          | 2387.11499  | 2 | 509.2600098 | 509.2592505 |
| LTPHTYLTKQDVER           | Q9DBG6 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2387.408203 | 4 | 439.9899902 | 439.9952622 |
| TNEEAGDGTTTATVLR         | P63038 | 0          | N-term +28.03 Da,                          | 2390.419189 | 2 | 867.9299927 | 867.9288678 |
| SVSTVLTSKYR              | P01942 | 0.00160772 | N-term +28.03 Da, K +28.03 Da,             | 2392.618164 | 3 | 432.922699  | 432.9222458 |
| DSSFQIVKNPR              | Q61176 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2395.627686 | 3 | 449.5858154 | 449.5857451 |
| GVQVETISPGDGR            | P26883 | 0          | N-term +28.03 Da,                          | 2396.912842 | 2 | 671.8499756 | 671.8517019 |
| NDDDEPPPLPR              | O55022 | 0.00236593 | N-term +28.03 Da,                          | 2400.066895 | 2 | 646.8099976 | 646.8095028 |
| RVEIANDQGNR              | P20029 | 0.04120541 | N-term +28.03 Da,                          | 2404.285645 | 2 | 707.8800049 | 706.8838675 |
| DSYETQVIAHGQSSKGR        | Q78JT3 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2406.201416 | 3 | 691.6699829 | 691.6835073 |
| DALDSSNSMQTVQKTTTR       | P05784 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2414.664063 | 3 | 680.3400269 | 680.3406415 |
| GASGDNDDEPPPLPR          | O55022 | 0          | N-term +28.03 Da,                          | 2418.748047 | 2 | 840.3800049 | 840.3790106 |
| TGGDAAAPGAAGTQAEPLHR     | Q9D0F3 | 0          | N-term +28.03 Da,                          | 2418.93335  | 2 | 937.960022  | 938.4690254 |
| TGGDAAAPGAAGTQAEPLHR     | Q9D0F3 | 0.01253482 | N-term +28.03 Da,                          | 2421.324219 | 2 | 938.460022  | 938.4690254 |
| EKEEDEEESPGQAKDEL        | P14211 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2422.994629 | 2 | 1023.960022 | 1023.473504 |
| NTNEEAGDGTTTATVLR        | P63038 | 0          | N-term +28.03 Da,                          | 2423.090332 | 2 | 925.4500122 | 924.9503319 |
| AGVPAHVVDLR              | Q6XPS7 | 0.00083264 | N-term +28.03 Da,                          | 2425.920166 | 3 | 388.230011  | 387.896142  |
| GVQVETISPGDGR            | P26883 | 0          | N-term +28.03 Da,                          | 2427.828125 | 2 | 671.8499756 | 671.8517019 |
| EQAGGDATENFEDVGHSTDR     | P56395 | 0          | N-term +28.03 Da,                          | 2430.312744 | 3 | 745.6599731 | 745.3245969 |
| HPSVDGFTPR               | Q8C196 | 0.02642008 | N-term +28.03 Da,                          | 2432.092529 | 2 | 570.7999878 | 570.7934576 |
| GVQVSPSGEKITHTGQVYDEKDYR | P52503 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2436.098633 | 4 | 695.3599854 | 695.1080735 |
| LGPLVEQGR                | P08226 | 0          | N-term +28.03 Da,                          | 2438.525879 | 2 | 498.7951355 | 498.7954686 |

|                            |        |            |                                |             |   |             |             |
|----------------------------|--------|------------|--------------------------------|-------------|---|-------------|-------------|
| ETSSIPEAGEGQIR             | Q9DCB8 | 0.00238474 | N-term +28.03 Da,              | 2440.085693 | 2 | 802.4000244 | 801.9021212 |
| GVQVSPSGEKITHTGQVYDEKDYR   | P52503 | 0          | N-term +28.03 Da, K +28.03 Da, | 2443.72168  | 3 | 926.4799805 | 926.4750058 |
| HGAEYGAELER                | P01942 | 0.00935925 | N-term +28.03 Da,              | 2444.793457 | 2 | 666.8200073 | 665.8229443 |
| DDEPPPLPR                  | O55022 | 0.00948213 | N-term +28.03 Da,              | 2449.45752  | 2 | 532.2700195 | 532.2745666 |
| TPEASGSGEKVEGSEPSVTYYR     | Q9CQX2 | 0          | N-term +28.03 Da, K +28.03 Da, | 2453.272705 | 3 | 796.3800049 | 796.0518145 |
| ETSSIPEAGEGQIR             | Q9DCB8 | 0.04202192 | N-term +28.03 Da,              | 2453.429688 | 2 | 802.9000244 | 801.9021212 |
| TMGDAPDFDR                 | P10649 | 0          | N-term +28.03 Da,              | 2454.77124  | 2 | 576.7523804 | 576.7531414 |
| GDNDDEPPPLPR               | O55022 | 0          | N-term +28.03 Da,              | 2454.999756 | 2 | 732.8341064 | 732.8337069 |
| VDPVNFK                    | P01942 | 0.03139013 | N-term +28.03 Da, K +28.03 Da, | 2456.452637 | 2 | 437.7550964 | 437.7552805 |
| GVQVETISPGDGR              | P26883 | 0          | N-term +28.03 Da,              | 2458.459473 | 2 | 671.3475342 | 671.8517019 |
| GGGVPTDEEQATGLER           | P19536 | 0          | N-term +28.03 Da,              | 2474.635254 | 2 | 822.9000244 | 822.3972032 |
| ASGGGVPTDEEQATGLER         | P19536 | 0          | N-term +28.03 Da,              | 2480.214111 | 2 | 901.4299927 | 901.4317748 |
| GGVPTDEEQATGLER            | P19536 | 0          | N-term +28.03 Da,              | 2480.449219 | 2 | 793.8900146 | 793.8864711 |
| DDEPPPLPR                  | O55022 | 0.00951684 | N-term +28.03 Da,              | 2481.5      | 2 | 532.2748413 | 532.2745666 |
| AIAEELAPER                 | O35490 | 0          | N-term +28.03 Da,              | 2482.940674 | 2 | 563.8085938 | 563.8087737 |
| LIGELAKEVR                 | P97352 | 0          | N-term +28.03 Da, K +28.03 Da, | 2486.898438 | 3 | 395.25      | 395.2518145 |
| EVGGEALGR                  | P02088 | 0.04130703 | N-term +28.03 Da,              | 2487.516846 | 2 | 459.2600098 | 458.2483515 |
| GAAAVLLAR                  | Q8VCH0 | 0.00917431 | N-term +28.03 Da,              | 2488.894287 | 2 | 435.2817078 | 435.2819966 |
| ASGGGVPTDEEQATGLER         | P19536 | 0.00925926 | N-term +28.03 Da,              | 2490.783447 | 3 | 601.2907104 | 601.2902754 |
| SGGGVPTDEEQATGLER          | P19536 | 0.02770449 | N-term +28.03 Da,              | 2493.303711 | 2 | 866.4099731 | 865.9132177 |
| GETTTQGLDGLSER             | P05064 | 0          | N-term +28.03 Da,              | 2498.468262 | 2 | 746.8699951 | 746.367914  |
| LADAVAVTMGPKGR             | P63038 | 0          | N-term +28.03 Da, K +28.03 Da, | 2502.618164 | 3 | 481.2774963 | 481.2780352 |
| TASLTSAAIDGSR              | Q9QYGO | 0.00234009 | N-term +28.03 Da,              | 2507.177734 | 2 | 682.8499756 | 682.854442  |
| TLGSTVSQLQER               | Q00623 | 0.04174229 | N-term +28.03 Da,              | 2508.596924 | 2 | 674.3699951 | 673.867352  |
| ASGGGVPTDEEQATGLER         | P19536 | 0          | N-term +28.03 Da,              | 2511.089844 | 2 | 901.430481  | 901.4317748 |
| TDTEKGEFLSEGGGVR           | E9PV24 | 0          | N-term +28.03 Da, K +28.03 Da, | 2518.306152 | 3 | 618.302063  | 618.3022924 |
| SVVEMQGDENR                | O88844 | 0          | N-term +28.03 Da,              | 2519.852539 | 2 | 705.8200073 | 705.3236057 |
| TVLQDQEFR                  | Q99LB7 | 0.00162206 | N-term +28.03 Da,              | 2520.154541 | 2 | 581.809021  | 582.3063982 |
| EEVDEMIR                   | P62204 | 0.03795893 | N-term +28.03 Da,              | 2521.135742 | 2 | 524.7508545 | 524.7526099 |
| KATIPAAALQAQESTEGPGTGQDRPR | Q9DBG1 | 0          | N-term +28.03 Da, K +28.03 Da, | 2523.873047 | 4 | 660.0999756 | 659.6004154 |
| DEKEDEEEESPGQAKDEL         | P14211 | 0          | N-term +28.03 Da, K +28.03 Da, | 2528.541992 | 2 | 1081.469971 | 1080.986976 |
| ASGGGVPTDEEQATGLER         | P19536 | 0          | N-term +28.03 Da,              | 2542.064209 | 2 | 901.4299927 | 901.4317748 |
| LAQEDPDYGLR                | P24270 | 0          | N-term +28.03 Da,              | 2543.635498 | 2 | 652.8242188 | 652.8276953 |
| LEVAEDSGHPWR               | Q6P6J9 | 0          | N-term +28.03 Da,              | 2547.625    | 3 | 475.2399902 | 475.2370048 |
| AVAESAVVSSPKDR             | Q91VA0 | 0          | N-term +28.03 Da, K +28.03 Da, | 2548.415039 | 2 | 794.4099731 | 793.9228562 |
| TAVAAVEPGLR                | P18828 | 0          | N-term +28.03 Da,              | 2563.170166 | 2 | 556.3300171 | 556.3271333 |
| DVSGTDSPPFR                | Q8VC12 | 0.02516556 | N-term +28.03 Da,              | 2566.189453 | 2 | 554.7670288 | 554.7671061 |
| TPEAAVEHPEAVR              | O35490 | 0          | N-term +28.03 Da,              | 2569.620117 | 2 | 717.3692017 | 717.3728015 |
| DDDEPPPLPR                 | O55022 | 0          | N-term +28.03 Da,              | 2571.990479 | 2 | 589.789978  | 589.7880387 |
| AEMKRSTELVLSPPMPR          | Q9ESK9 | 0.02768622 | N-term +28.03 Da, K +28.03 Da, | 2579.275635 | 3 | 673.3499756 | 672.6920688 |

|                          |        |            |  |             |   |             |             |
|--------------------------|--------|------------|--|-------------|---|-------------|-------------|
| VPNDSSFQIVKNPR           | Q61176 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2581.753174 | 3 | 552.9738159 | 552.9737807 |
| TLDPVEKALR               | P63017 | 0.00083195 | N-term +28.03 Da, K +28.03 Da,             | 2589.877197 | 3 | 399.9100037 | 399.9115694 |
| EDEKEEDEEESPGQAKDEL      | P14211 | 0.00084674 | N-term +28.03 Da, K +28.03 Da,             | 2592.354492 | 2 | 1145.98999  | 1145.508273 |
| KIGGHGAEYGAELER          | P01942 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2595.646484 | 3 | 571.960022  | 571.968807  |
| EDEKEEDEEESPGQAKDEL      | P14211 | 0.00085543 | N-term +28.03 Da, K +28.03 Da,             | 2597.103271 | 2 | 1145.48999  | 1145.508273 |
| LYFHIGETEKR              | Q8R1V4 | 0.00233281 | N-term +28.03 Da, K +28.03 Da,             | 2612.543457 | 3 | 483.6000061 | 483.6013952 |
| ELAPGLHLR                | Q99JL5 | 0.03800623 | N-term +28.03 Da,                          | 2613.072998 | 3 | 345.2099915 | 345.2099493 |
| TLYQKDSQGNLFR            | Q91Y97 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2614.942383 | 3 | 542.6300049 | 542.626381  |
| TAHIVLEDGTMKMGY          | Q8C196 | 0.01438356 | N-term +28.03 Da, K +28.03 Da,             | 2618.386719 | 4 | 437.7399902 | 437.4919267 |
| SAGSAAAGPVAAIR           | Q9D8S9 | 0          | N-term +28.03 Da,                          | 2633.708252 | 2 | 678.8699951 | 678.367519  |
| GLVGEIIR                 | P15532 | 0.00081967 | N-term +28.03 Da, K +28.03 Da,             | 2636.364014 | 3 | 347.8999939 | 347.565733  |
| VMLGETNPADSKPGTIR        | P15532 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2637.892822 | 3 | 615         | 614.6645074 |
| EDEKEEDEEESPGQAKDEL      | P14211 | 0.00954479 | N-term +28.03 Da, K +28.03 Da,             | 2659.741455 | 2 | 1210.51001  | 1210.02957  |
| GKGLAADESVGTMGNR         | Q91Y97 | 0.01622718 | N-term +28.03 Da, K +28.03 Da,             | 2662.679199 | 2 | 867.460022  | 866.4565403 |
| TTMYPGIADR               | P60710 | 0.01567825 | N-term +28.03 Da,                          | 2663.733643 | 2 | 576.7894287 | 576.7895266 |
| GVTVKDVNQEFVR            | Q9CZX8 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2663.959961 | 3 | 558.977417  | 558.9773024 |
| ASGPGGLHADLLR            | Q8BWF0 | 0          | N-term +28.03 Da,                          | 2672.054688 | 3 | 431.2399902 | 431.2420898 |
| GEDFSETLTR               | P20029 | 0.00883002 | N-term +28.03 Da,                          | 2673.809326 | 2 | 591.7800293 | 591.7854962 |
| ADDDYDEPTDSLDR           | Q8K0E8 | 0          | N-term +28.03 Da,                          | 2688.137207 | 2 | 863.8599854 | 863.3579416 |
| SEFLKAASNLR              | P27773 | 0.015625   | N-term +28.03 Da, K +28.03 Da,             | 2695.700439 | 3 | 431.25      | 431.2504738 |
| ADDDYDEPTDSLDR           | Q8K0E8 | 0          | N-term +28.03 Da,                          | 2696.188477 | 2 | 864.3599854 | 863.3579416 |
| QLTSNPENTVFDADR          | P20029 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2704.77002  | 3 | 592.6500244 | 592.6477338 |
| TKFLEEHPGEEVLR           | P56395 | 0.03094778 | N-term +28.03 Da, K +28.03 Da,             | 2708.084229 | 4 | 449.9899902 | 449.993991  |
| SSIVVSGTPIR              | P35505 | 0.00928571 | N-term +28.03 Da,                          | 2708.159668 | 2 | 572.3400269 | 572.3402408 |
| GVQVSPSGEKITHTGQVYDEKDYR | P52503 | 0.00926586 | N-term +28.03 Da, K +28.03 Da,             | 2709.538086 | 4 | 694.8499756 | 695.1080735 |
| TQKAPQVSTPTLVEAAR        | P07724 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2716.565186 | 3 | 618.3557739 | 618.3545503 |
| FLEEHPGEEVLR             | P56395 | 0          | N-term +28.03 Da,                          | 2719.818848 | 3 | 513.932251  | 513.9315816 |
| LDSSNSMQTVQKTTTR         | P05784 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2721.508301 | 2 | 926.960022  | 926.9752949 |
| VVFDITYDR                | P16015 | 0          | N-term +28.03 Da,                          | 2725.697021 | 2 | 579.2800293 | 579.2773066 |
| TVEVTDKPVDEALR           | Q9R257 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2726.391113 | 3 | 543.2999878 | 543.3015634 |
| SIVVSGTPIR               | P35505 | 0.01748487 | N-term +28.03 Da,                          | 2729.792725 | 2 | 528.8200073 | 528.8242263 |
| NPGESSFDLADR             | O09164 | 0          | N-term +28.03 Da,                          | 2733.978271 | 2 | 668.3099976 | 668.3124098 |
| LTITYGPK                 | P12710 | 0.04736211 | N-term +28.03 Da, K +28.03 Da,             | 2741.573242 | 2 | 474.7900085 | 474.7918631 |
| NTNEEAGDGTTTATVLAR       | P63038 | 0          | N-term +28.03 Da,                          | 2754.324219 | 2 | 924.4400024 | 924.9503319 |
| APPLTLDGIKDR             | Q9CR21 | 0.0098661  | N-term +28.03 Da, K +28.03 Da,             | 2757.560791 | 3 | 451.269989  | 451.2696456 |
| VGFNVKNVSVKDIR           | P62631 | 0.03312102 | N-term +28.03 Da, K +28.03 Da,             | 2763.891846 | 4 | 415.75      | 415.5042597 |
| MASGGGVPTDEEQATGLER      | P19536 | 0          | N-term +28.03 Da,                          | 2764.066162 | 2 | 967.4500122 | 966.9520173 |
| MASGGGVPTDEEQATGLER      | P19536 | 0          | N-term +28.03 Da,                          | 2764.906982 | 2 | 966.9500122 | 966.9520173 |
| NPVDDICIAPKR             | P32261 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 2774.505127 | 3 | 485.2658386 | 485.2659068 |
| LETMTGKVK                | P12710 | 0.00925267 | N-term +28.03 Da, K +28.03 Da,             | 2776.954834 | 2 | 610.3400269 | 610.3519598 |



|                       |        |            |  |             |   |             |             |
|-----------------------|--------|------------|--|-------------|---|-------------|-------------|
| GAAELMQQKEATTEQQLR    | O35490 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2777.105713 | 3 | 696.7000122 | 696.6966479 |
| THISRSQNNQQLVLR       | O35066 | 0.04455148 | N-term +28.03 Da,                          | 2779.868896 | 3 | 586.6553955 | 586.6517007 |
| NPVDDICIAKPR          | P32261 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 2799.286133 | 2 | 727.3937988 | 727.395222  |
| EPPVIQNPEYKGEWKPR     | P14211 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2804.883789 | 4 | 538.7999878 | 538.5453852 |
| NPVDDICIAKPR          | P32261 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 2806.190186 | 3 | 485.2659912 | 485.2659068 |
| SYDLGIENR             | O88844 | 0.02766798 | N-term +28.03 Da,                          | 2806.503418 | 2 | 547.7759399 | 547.7774736 |
| VHLTDAEKSAVSC         | P02089 | 0.00941347 | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 2806.828613 | 2 | 736.8599854 | 736.8743199 |
| AREATQAVLDKPELSSDASTR | P50544 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2813.644775 | 3 | 801.0800171 | 801.4222416 |
| SGGGVPTDEEQATGLER     | P19536 | 0.00598355 | N-term +28.03 Da,                          | 2816.709717 | 2 | 865.9099731 | 865.9132177 |
| AREATQAVLDKPELSSDASTR | P50544 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2819.245605 | 4 | 601.0700073 | 601.3185003 |
| GGDATENFEDVGHSTДАР    | P56395 | 0          | N-term +28.03 Da,                          | 2819.558838 | 2 | 953.4000244 | 953.4141138 |
| GTLDPVKEALR           | P63017 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2824.281006 | 3 | 418.9200134 | 418.9187241 |
| SSTSAPVQITHTYTVHPR    | Q921G7 | 0          | N-term +28.03 Da,                          | 2830.89917  | 3 | 670.3499756 | 670.6849592 |
| AHSEALRETVSSFYR       | Q9QZ57 | 0.00531108 | N-term +28.03 Da,                          | 2830.982666 | 3 | 594.9699707 | 594.3040784 |
| GTITTKELGTVMR         | P62204 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2831.958008 | 2 | 732.4199829 | 731.9185301 |
| TITTKELGTVMR          | P62204 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2833.381104 | 3 | 469.6099854 | 469.2742909 |
| TITTKELGTVMR          | P62204 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2833.607422 | 2 | 704.4099731 | 703.4077981 |
| ADIVENQVMDTR          | P10649 | 0          | N-term +28.03 Da,                          | 2839.549316 | 2 | 709.848938  | 709.8508448 |
| EIPPLEGDEDASR         | P11499 | 0          | N-term +28.03 Da,                          | 2839.775635 | 2 | 728.3499756 | 728.3517325 |
| TEESDLAQYGVV          | P09103 | 0          | N-term +28.03 Da,                          | 2841.110352 | 2 | 762.8699951 | 762.3704565 |
| TNKETTIQGLDGLSER      | Q91Y97 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2852.711426 | 3 | 606.6599731 | 606.6582988 |
| MAGESFPFTSSTLRALR     | Q8VH55 | 0.04402895 | N-term +28.03 Da,                          | 2856.121338 | 3 | 634.3300171 | 633.6646188 |
| EAPDFEANTTIGR         | Q8BG37 | 0.0095518  | N-term +28.03 Da,                          | 2871.254639 | 2 | 725.3699951 | 724.854442  |
| TPGVAADLSHIETR        | P08249 | 0          | N-term +28.03 Da,                          | 2875.583984 | 3 | 498.9299927 | 498.9352146 |
| EAPNFEANTTIGR         | O08709 | 0          | N-term +28.03 Da,                          | 2880.641846 | 2 | 724.3599854 | 724.362434  |
| DYTEMNDLQKR           | P11352 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2881.071289 | 2 | 734.3499756 | 734.8586699 |
| SPESTSEVECGDFYNSGDR   | Q91VA0 | 0          | N-term +28.03 Da, C +57.02 Da,             | 2882.599121 | 2 | 1082.939941 | 1082.442212 |
| LIFAGKQLEDGR          | P0CG49 | 0.00232558 | N-term +28.03 Da, K +28.03 Da,             | 2885.617432 | 3 | 468.6099854 | 468.2732786 |
| LMQQKEATTEQQLR        | O35490 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2885.9375   | 2 | 880.460022  | 880.4721903 |
| SEVPGAAAEGPGGSGVGLGDR | Q9EP72 | 0          | N-term +28.03 Da,                          | 2887.313477 | 2 | 934.960022  | 934.4608664 |
| SDDLPLNVSR            | P08113 | 0.0024     | N-term +28.03 Da,                          | 2893.147705 | 2 | 572.2999878 | 572.3038557 |
| GVQVETISPGDGR         | P26883 | 0          | N-term +28.03 Da,                          | 2899.405273 | 2 | 671.3499756 | 671.8517019 |
| GEPVSLGSLR            | P11352 | 0.00084317 | N-term +28.03 Da,                          | 2901.526367 | 2 | 521.7999878 | 521.7982087 |
| SEVPGAAAEGPGGSGVGLGDR | Q9EP72 | 0          | N-term +28.03 Da,                          | 2901.9104   | 2 | 935.4699707 | 934.4608664 |
| TTKAPAAIGPYSQAVQVDR   | P52760 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2904.249512 | 3 | 677.3699951 | 677.040743  |
| TFASQVTLGDKVKVER      | Q9DCW4 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2907.44751  | 4 | 498.5299988 | 498.5347519 |
| GDSASKVISAEEALPGR     | Q9D6Y7 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2908.688965 | 3 | 581.9799805 | 581.6476224 |
| QVAMNPTNTVFDAGR       | P63017 | 0.00239425 | N-term +28.03 Da, K +28.03 Da,             | 2920.191895 | 3 | 583.6400146 | 583.3101757 |
| TFEESFQKALR           | Q8C196 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2921.846924 | 3 | 471.2600098 | 471.2575172 |
| ATEESDLAQYGVV         | P09103 | 0          | N-term +28.03 Da,                          | 2926.598145 | 2 | 798.3800049 | 797.8890136 |

|                      |        |            |  |             |   |             |             |
|----------------------|--------|------------|--|-------------|---|-------------|-------------|
| AFKDTGKTPVEPEVAIHR   | P60867 | 0.03258786 | N-term +28.03 Da, K +28.03 Da,             | 2927.971924 | 4 | 520.539978  | 520.5453852 |
| GTEEEEEETEKESTEKDEL  | P08113 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2930.551758 | 2 | 1163        | 1163.021213 |
| VLAASEPEIPK GIR      | Q9WTP6 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2939.080566 | 3 | 488.9700012 | 488.9643337 |
| TFIAIKPDGVQR         | P15532 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2941.448242 | 3 | 467.6134949 | 467.6135236 |
| VLSGEDKSNIAAW        | P01942 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2945.638916 | 3 | 534.6349487 | 534.634765  |
| QKTGTAEMSSILEER      | Q03265 | 0.00983146 | N-term +28.03 Da, K +28.03 Da,             | 2947.820068 | 3 | 579.3013916 | 579.3013463 |
| ANLEKAQSELGADEAAR    | Q9D3D9 | 0.04029758 | N-term +28.03 Da, K +28.03 Da,             | 2947.970703 | 3 | 663.3400269 | 663.0078796 |
| QKTGTAEMSSILEER      | Q03265 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2949.041748 | 2 | 868.9500122 | 868.4483813 |
| LEEEDNVLV LKK        | P09103 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2954.475098 | 3 | 504.9700012 | 504.9676327 |
| ELMQQKEATTEQQLR      | O35490 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2955.763672 | 3 | 630.3200073 | 630.3314171 |
| GNVTAGKDGVANVSIEDR   | P08228 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2957.068359 | 2 | 929.4699707 | 929.486884  |
| LTPTHYLTKQDVER       | Q9DBG6 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2957.146973 | 3 | 585.9899902 | 586.3245908 |
| PMFIVNTNVPR          | P34884 | 0.01684636 | N-term +28.03 Da,                          | 2958.302246 | 2 | 659.3599854 | 658.3631928 |
| TMAEETAPAVLER        | Q64374 | 0          | N-term +28.03 Da,                          | 2959.081543 | 2 | 723.3687134 | 723.3688704 |
| APPLTLDG IKDR        | Q9CR21 | 0.00084746 | N-term +28.03 Da, K +28.03 Da,             | 2959.307861 | 3 | 451.2689819 | 451.2696456 |
| SGYLLPDTKAYGDR       | P08113 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2959.760498 | 3 | 537.6099854 | 537.9507533 |
| RPPLGFLNPR           | O89023 | 0          | N-term +28.03 Da,                          | 2960.549316 | 3 | 398.9100037 | 398.9083817 |
| NPVDDICIAKPR         | P32261 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 2960.782471 | 3 | 485.9299927 | 485.2659068 |
| SDAPPLTLDG IKDR      | Q9CR21 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2966.677734 | 3 | 518.6199951 | 518.6226367 |
| ANLEKAQSELGADEAAR    | Q9D3D9 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2969.387939 | 3 | 663.0100098 | 663.0078796 |
| APDPVPTPGPASAQLR     | Q920L1 | 0          | N-term +28.03 Da,                          | 2971.439697 | 2 | 801.9400024 | 801.4359333 |
| APDPVPTPGPASAQLR     | Q920L1 | 0.0016116  | N-term +28.03 Da,                          | 2971.842041 | 2 | 802.4400024 | 801.4359333 |
| CLSGQAEFDKAAEEVKR    | F6WUQ1 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 2974.001221 | 3 | 675.3499756 | 674.6823385 |
| SDAPPLTLDG IKDR      | Q9CR21 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2974.22998  | 2 | 777.9299927 | 777.4303168 |
| RDGKIQVTFGELFDRYVR   | Q8BUZ1 | 0.03754693 | N-term +28.03 Da, K +28.03 Da,             | 2975.820801 | 3 | 752.4199829 | 752.4146918 |
| VVAGGPEVLT PER       | Q8CIM3 | 0.00238854 | N-term +28.03 Da,                          | 2982.418457 | 2 | 726.9000244 | 726.9064771 |
| TLKFFPASADR          | P09103 | 0.00535988 | N-term +28.03 Da, K +28.03 Da,             | 2982.735107 | 3 | 437.25      | 436.9152025 |
| DTPGFIVNR            | Q61425 | 0.03055917 | N-term +28.03 Da,                          | 2987.351074 | 2 | 524.289978  | 523.7851011 |
| LTPTHYLTKQDVER       | Q9DBG6 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2988.273193 | 3 | 585.9899902 | 586.3245908 |
| SAEETWMVVIHGR        | Q9CQX2 | 0          | N-term +28.03 Da,                          | 2990.427979 | 3 | 481.9100037 | 481.90649   |
| SEVASSLVLER          | Q9CYR0 | 0          | N-term +28.03 Da,                          | 2991.456787 | 2 | 609.3396606 | 609.3404384 |
| SDAPPLTLDG IKDR      | Q9CR21 | 0          | N-term +28.03 Da, K +28.03 Da,             | 2998.313721 | 3 | 518.6221924 | 518.6226367 |
| TGEVPVVAIR           | P27773 | 0          | N-term +28.03 Da,                          | 2998.807617 | 2 | 534.8200073 | 534.8242263 |
| SSDAQWLTAER          | Q9CZL5 | 0          | N-term +28.03 Da,                          | 2999.337646 | 2 | 711.3400269 | 710.8387919 |
| GTMAEETAPAVLER       | Q64374 | 0          | N-term +28.03 Da,                          | 3002.957031 | 2 | 752.3800049 | 751.8796025 |
| VSTSSMGTLPKQVK       | P38060 | 0.02518224 | N-term +28.03 Da, K +28.03 Da,             | 3008.912842 | 2 | 773.4400024 | 773.9472877 |
| AGKPVLYHFDGR         | P30115 | 0          | N-term +28.03 Da, K +28.03 Da,             | 3011.585938 | 3 | 472.5899963 | 472.5979848 |
| TTGEVPVVAIR          | P27773 | 0.00813008 | N-term +28.03 Da,                          | 3019.397705 | 2 | 585.3485718 | 585.3480659 |
| APEEHPVLLTEAPLNPKANR | P60710 | 0          | N-term +28.03 Da, K +28.03 Da,             | 3019.778809 | 4 | 564.0599976 | 563.8153958 |
| APEEHPVLLTEAPLNPKANR | P62737 | 0          | N-term +28.03 Da, K +28.03 Da,             | 3024.825195 | 4 | 564.5700073 | 564.310212  |

|                        |        |            |                                |             |   |             |             |
|------------------------|--------|------------|--------------------------------|-------------|---|-------------|-------------|
| AIAEELAPER             | O35490 | 0          | N-term +28.03 Da,              | 3036.552002 | 2 | 563.2999878 | 563.8087737 |
| SEVSALLGR              | P56480 | 0.03715365 | N-term +28.03 Da,              | 3050.343994 | 2 | 480.2799988 | 480.2796516 |
| VLSIGDGIAR             | Q03265 | 0.03663929 | N-term +28.03 Da,              | 3054.952881 | 2 | 514.8099976 | 514.8085762 |
| ADDDYDEPTDSLDR         | Q8K0E8 | 0          | N-term +28.03 Da,              | 3066.100586 | 2 | 862.8499756 | 863.3579416 |
| TIQGLDGLSER            | Q91Y97 | 0          | N-term +28.03 Da,              | 3080.350098 | 2 | 608.8312378 | 608.8302378 |
| VISLSGEHSIIGR          | P08228 | 0          | N-term +28.03 Da,              | 3083.512939 | 3 | 465.9365234 | 465.9366666 |
| ATPEASGSGEKVEGSEPSVYYR | Q9CQX2 | 0          | N-term +28.03 Da, K +28.03 Da, | 3090.925293 | 2 | 1229.579956 | 1229.092641 |
| VDVDGTVEEDLGKSR        | P08113 | 0          | N-term +28.03 Da, K +28.03 Da, | 3098.327881 | 3 | 559.6199951 | 558.9563447 |
| TDTEDEKGEFLSEGCVVGR    | E9PV24 | 0          | N-term +28.03 Da, K +28.03 Da, | 3101.143066 | 2 | 926.4400024 | 926.9498004 |
| SLVFPEAENR             | P11725 | 0.03063885 | N-term +28.03 Da,              | 3104.332031 | 2 | 595.3140869 | 595.3142232 |
| YVKAGPWTPEAAVEHPEAVR   | O35490 | 0          | N-term +28.03 Da, K +28.03 Da, | 3105.834717 | 4 | 566.5499878 | 566.5522047 |
| APLDTINVHLR            | P70699 | 0          | N-term +28.03 Da,              | 3112.689209 | 3 | 426.2506409 | 426.2505851 |
| DELSEEDKLTVSR          | P56480 | 0          | N-term +28.03 Da, K +28.03 Da, | 3114.499756 | 2 | 788.4000244 | 788.9068722 |
| NLDLKKELSEPSSTR        | Q8C196 | 0.00597461 | N-term +28.03 Da, K +28.03 Da, | 3121.668945 | 3 | 601.3300171 | 601.0070392 |
| VLSGEDKSNIAAWGKIG      | P01942 | 0          | N-term +28.03 Da, K +28.03 Da, | 3127.274414 | 4 | 497.0400085 | 497.0412069 |
| MFASFPTTK              | P01942 | 0.03908189 | N-term +28.03 Da, K +28.03 Da, | 3139.570557 | 2 | 543.2890015 | 543.2886305 |
| SDAPPLTLDGIKDR         | Q9CR21 | 0          | N-term +28.03 Da, K +28.03 Da, | 3152.905029 | 3 | 518.6199951 | 518.6226367 |
| GTLDNPSLDETAYER        | O35943 | 0          | N-term +28.03 Da,              | 3154.408447 | 2 | 898.9199829 | 898.4208758 |
| ENIIDLSNANR            | B5X0G2 | 0          | N-term +28.03 Da,              | 3158.508057 | 2 | 643.8400269 | 643.8385944 |
| TEDPETLQAQFR           | Q8BK48 | 0.03098773 | N-term +28.03 Da,              | 3158.584473 | 2 | 731.3692017 | 731.862267  |
| SIAKEGFEEKISGANPVEIR   | P63038 | 0.03059896 | N-term +28.03 Da, K +28.03 Da, | 3162.348145 | 4 | 572.0900269 | 572.0861461 |
| YPSPPVNTVTKGKVLGK      | Q8VCT4 | 0          | N-term +28.03 Da, K +28.03 Da, | 3176.121582 | 4 | 496.8099976 | 496.3066747 |
| TCFSTEGPNLVTR          | P07724 | 0          | N-term +28.03 Da, C +57.02 Da, | 3181.461914 | 2 | 755.3699951 | 755.3719444 |
| AGKPVLYHFDGR           | P30115 | 0          | N-term +28.03 Da, K +28.03 Da, | 3188.478516 | 3 | 472.5899963 | 472.5979848 |
| PKVTQPEVDTPPLGR        | Q63880 | 0          | N-term +28.03 Da, K +28.03 Da, | 3189.157715 | 2 | 797.4400024 | 796.9539588 |
| SDAPPLTLDGIKDR         | Q9CR21 | 0.00161943 | N-term +28.03 Da, K +28.03 Da, | 3190.019287 | 3 | 518.6199951 | 518.6226367 |
| STSSMGTLPKQVKIVEVGPR   | P38060 | 0          | N-term +28.03 Da, K +28.03 Da, | 3195.109619 | 4 | 550.3200073 | 550.3198852 |
| SDAPPLTLDGIKDR         | Q9CR21 | 0          | N-term +28.03 Da, K +28.03 Da, | 3200.276367 | 2 | 777.9299927 | 777.4303168 |
| GELKPTAPPIFTGR         | O35632 | 0.02761341 | N-term +28.03 Da, K +28.03 Da, | 3201.371338 | 3 | 513.9699707 | 513.9679667 |
| DLPETFDAR              | P10605 | 0.00236035 | N-term +28.03 Da,              | 3208.462402 | 2 | 546.2700195 | 546.2720241 |
| GPEGPYGVFAGR           | O55022 | 0.00918079 | N-term +28.03 Da,              | 3209.636475 | 2 | 618.3200073 | 617.8143902 |
| VAPEEHPVLLTEAPLNPKANR  | P60710 | 0          | N-term +28.03 Da, K +28.03 Da, | 3216.650635 | 4 | 589.0800171 | 588.5824993 |
| TAEMSSILEER            | Q03265 | 0          | N-term +28.03 Da,              | 3216.726074 | 2 | 647.3200073 | 647.3213887 |
| GKNEEILNSLKYVR         | P11352 | 0          | N-term +28.03 Da, K +28.03 Da, | 3218.626221 | 4 | 437.5100098 | 437.508271  |
| PKVTQPEVDTPPLGR        | Q63880 | 0          | N-term +28.03 Da, K +28.03 Da, | 3219.822266 | 2 | 796.9400024 | 796.9539588 |
| SDAPPLTLDGIKDR         | Q9CR21 | 0          | N-term +28.03 Da, K +28.03 Da, | 3220.939697 | 3 | 518.6218262 | 518.6226367 |
| GPTTPEADKIFLER         | P26443 | 0          | N-term +28.03 Da, K +28.03 Da, | 3223.366699 | 3 | 543.9699707 | 543.9664034 |
| SVVAGGPEVTLTPER        | Q8CIM3 | 0          | N-term +28.03 Da,              | 3227.923584 | 2 | 770.4199829 | 770.4224917 |
| SDAPPLTLDGIKDR         | Q9CR21 | 0          | N-term +28.03 Da, K +28.03 Da, | 3230.740479 | 2 | 777.4302368 | 777.4303168 |
| TYIIGELHPDDR           | P56395 | 0.00923295 | N-term +28.03 Da,              | 3231.5625   | 3 | 486.25      | 486.2525435 |

|                         |        |            |  |             |   |             |             |
|-------------------------|--------|------------|--|-------------|---|-------------|-------------|
| ICLLAFICIGLIFVQR        | Q8BG16 | 0.00810015 | N-term +28.03 Da, C +57.02 Da,             | 3235.957275 | 2 | 1006.52002  | 1006.038131 |
| EAGTLAYEICDFLKGAEVHR    | Q61362 | 0.0444979  | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 3238.162598 | 3 | 833.4199829 | 833.4176625 |
| EVDVDGTVEEDLGKSR        | P08113 | 0          | N-term +28.03 Da, K +28.03 Da,             | 3238.540039 | 3 | 601.9699707 | 601.9705428 |
| DLPETFDAR               | P10605 | 0.038125   | N-term +28.03 Da,                          | 3239.385742 | 2 | 546.2700195 | 546.2720241 |
| SDAPPLTLDGIKDR          | Q9CR21 | 0          | N-term +28.03 Da, K +28.03 Da,             | 3252.038818 | 3 | 518.6223145 | 518.6226367 |
| AHGSVVKSSEDYAFPTYADR    | P19783 | 0          | N-term +28.03 Da, K +28.03 Da,             | 3262.504639 | 3 | 723.3499756 | 723.6918913 |
| AGTIAGLNVMR             | P20029 | 0          | N-term +28.03 Da,                          | 3262.581543 | 2 | 565.8200073 | 565.8211607 |
| SDAPPLTLDGIKDR          | Q9CR21 | 0          | N-term +28.03 Da, K +28.03 Da,             | 3263.195801 | 2 | 777.9299927 | 777.4303168 |
| SAMNVVSEDEMKR           | Q8C196 | 0          | N-term +28.03 Da, K +28.03 Da,             | 3270.519043 | 3 | 566.9400024 | 566.9445052 |
| AHGSVVKSSEDYAFPTYADR    | P19783 | 0          | N-term +28.03 Da, K +28.03 Da,             | 3271.292236 | 2 | 1085.030029 | 1085.034199 |
| SDAPPLTLDGIKDR          | Q9CR21 | 0.00084602 | N-term +28.03 Da, K +28.03 Da,             | 3272.016357 | 3 | 518.2800293 | 518.6226367 |
| IGHGAEYGAELER           | P01942 | 0          | N-term +28.03 Da,                          | 3281.137695 | 2 | 779.4000244 | 779.3864406 |
| TIAMDGTEGLVR            | P56480 | 0          | N-term +28.03 Da,                          | 3282.432129 | 2 | 645.8400269 | 645.8397483 |
| NVLASEPEIPKGR           | Q9WTP6 | 0          | N-term +28.03 Da, K +28.03 Da,             | 3297.986328 | 3 | 526.9783936 | 526.9786431 |
| TIVYFPSR                | F6RWR5 | 0.0419708  | N-term +28.03 Da,                          | 3299.325684 | 2 | 505.7871704 | 505.7871121 |
| AHGSVVKSSEDYAFPTYADR    | P19783 | 0          | N-term +28.03 Da, K +28.03 Da,             | 3299.552002 | 3 | 723.3699951 | 723.6918913 |
| TQVEGDEEAALLER          | D3Z617 | 0.02453581 | N-term +28.03 Da,                          | 3299.953857 | 2 | 794.9099731 | 794.3966717 |
| MKFNPFVTSR              | P61255 | 0          | N-term +28.03 Da, K +28.03 Da,             | 3300.846924 | 3 | 466.5794678 | 466.5797141 |
| VFDKDGNGYISAAELR        | P62204 | 0.00599251 | N-term +28.03 Da, K +28.03 Da,             | 3301.112549 | 3 | 604.9799805 | 604.3159841 |
| EVKCDMEVSCPEGYTCCR      | P28798 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 3301.982422 | 3 | 779.3200073 | 779.3209906 |
| ALEGVGHFFR              | P29391 | 0          | N-term +28.03 Da,                          | 3302.058105 | 3 | 387.5449524 | 387.5452206 |
| EVKCDMEVSCPEGYTCCR      | P28798 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 3304.153809 | 2 | 1167.969971 | 1168.477848 |
| TTEPVSELLKN             | P18242 | 0.01685772 | N-term +28.03 Da, K +28.03 Da,             | 3304.976563 | 2 | 644.3599854 | 643.8637465 |
| DNIQGITKPAIR            | P62806 | 0.00085397 | N-term +28.03 Da, K +28.03 Da,             | 3305.389404 | 2 | 690.9000244 | 691.4117291 |
| TYEDYVEGLR              | Q60605 | 0          | N-term +28.03 Da,                          | 3309.498779 | 2 | 636.8099976 | 636.8089713 |
| VGKVPVGSDFQPELSGAGSR    | Q8CDN6 | 0.01310345 | N-term +28.03 Da, K +28.03 Da,             | 3311.181885 | 3 | 752.3900146 | 752.3937341 |
| VNFTVDQIR               | P58252 | 0          | N-term +28.03 Da,                          | 3315.491699 | 2 | 560.3114014 | 560.3114832 |
| ISFHLPVNSR              | Q9D1D4 | 0          | N-term +28.03 Da,                          | 3319.969238 | 3 | 399.8963623 | 399.896142  |
| DDEVDVDGTVEEDLGKSR      | P08113 | 0          | N-term +28.03 Da, K +28.03 Da,             | 3320.435791 | 3 | 678.9899902 | 678.6551722 |
| VLSGEDKSNIAAWGK         | P01942 | 0          | N-term +28.03 Da, K +28.03 Da,             | 3321.343262 | 3 | 606.0100098 | 605.6840076 |
| STAIQELFKR              | P68372 | 0.00742942 | N-term +28.03 Da, K +28.03 Da,             | 3323.546875 | 3 | 417.25      | 416.9152025 |
| DDEVDVDGTVEEDLGKSR      | P08113 | 0          | N-term +28.03 Da, K +28.03 Da,             | 3330.229492 | 2 | 1017.47998  | 1017.47912  |
| GLEEELLR                | P23881 | 0.04991087 | N-term +28.03 Da,                          | 3332.497314 | 2 | 493.7799988 | 493.7794846 |
| EIYKTYFQGS�PAR          | P52760 | 0          | N-term +28.03 Da, K +28.03 Da,             | 3345.638916 | 3 | 577.3200073 | 576.9821648 |
| LIGDAAKNQLTSNPENTVFDAKR | P20029 | 0          | N-term +28.03 Da, K +28.03 Da,             | 3346.226563 | 4 | 647.5999756 | 647.3526087 |
| DDEVDVDGTVEEDLGKSR      | P08113 | 0          | N-term +28.03 Da, K +28.03 Da,             | 3352.144043 | 3 | 678.6599731 | 678.6551722 |
| DAATQQLSR               | Q03265 | 0.00812408 | N-term +28.03 Da,                          | 3365.620605 | 2 | 565.2999878 | 565.8118477 |
| LQVVAVKAPGFGDNR         | P63038 | 0          | N-term +28.03 Da, K +28.03 Da,             | 3368.342041 | 3 | 542.9799805 | 542.9823874 |
| ISVGGQHQGVFGLPR         | Q88531 | 0          | N-term +28.03 Da,                          | 3370.105469 | 3 | 527.289978  | 527.2949653 |
| TPEQVAMATVTALHR         | Q91Y97 | 0.00811209 | N-term +28.03 Da,                          | 3375.052734 | 3 | 551.6300049 | 551.6311376 |

|                              |         |            |   |             |   |             |             |
|------------------------------|---------|------------|---|-------------|---|-------------|-------------|
| DPSPKEEESYSDWGLR             | Q99P27  | 0          | N-term +28.03 Da, K +28.03 Da,              | 3376.815186 | 3 | 651.3099976 | 650.9741758 |
| SIYHPSLLPR                   | Q8K009  | 0          | N-term +28.03 Da,                           | 3381.643799 | 3 | 441.9299927 | 441.9309638 |
| TGPNLHGLFGR                  | P62897  | 0          | N-term +28.03 Da,                           | 3382.317627 | 3 | 399.5599976 | 399.5560083 |
| SLHLGVTSPVLR                 | O89023  | 0          | N-term +28.03 Da,                           | 3387.752441 | 3 | 436.269989  | 436.2662352 |
| LHLGVTSPVLR                  | O89023  | 0.0370603  | N-term +28.03 Da,                           | 3391.234375 | 3 | 407.25      | 407.2555588 |
| ILGADTSVLEETGR               | Q03265  | 0          | N-term +28.03 Da,                           | 3391.309814 | 2 | 802.4099731 | 802.4123217 |
| MKVFTGGLPAEGR                | Q91Z53  | 0          | N-term +28.03 Da, K +28.03 Da,              | 3394.287842 | 3 | 520.2999878 | 519.9655686 |
| MKVFTGGLPAEGR                | Q91Z53  | 0          | N-term +28.03 Da, K +28.03 Da,              | 3399.004883 | 2 | 779.4400024 | 779.4447147 |
| VAVDAPVSSVALR                | Q64374  | 0          | N-term +28.03 Da,                           | 3400.437744 | 2 | 656.3800049 | 656.38518   |
| STVAAASPSHEAKGGLVISPEGLSPAVR | Q8K370  | 0.02008032 | N-term +28.03 Da, K +28.03 Da,              | 3404.381348 | 4 | 687.1300049 | 686.8789908 |
| TLGEECELETMTGEKVK            | P12710  | 0          | N-term +28.03 Da, K +28.03 Da, C +57.02 Da, | 3417.107422 | 3 | 680.3400269 | 680.0076118 |
| EHPVLLTEAPLNPKANR            | P60710  | 0          | N-term +28.03 Da, K +28.03 Da,              | 3417.278809 | 3 | 652.7000122 | 652.3739447 |
| GVPAFFR                      | Q3V132  | 0.01442308 | N-term +28.03 Da,                           | 3420.625244 | 2 | 411.2399902 | 411.2370574 |
| DAPPLTLDGKDR                 | Q9PCR21 | 0          | N-term +28.03 Da, K +28.03 Da,              | 3425.598389 | 3 | 490.2799988 | 489.6119603 |
| TVGGVMTKLIPR                 | P20029  | 0          | N-term +28.03 Da, K +28.03 Da,              | 3428.407959 | 3 | 443.6099854 | 443.2758542 |
| SLHLGVTSPVLR                 | O89023  | 0.04457831 | N-term +28.03 Da,                           | 3429.550781 | 3 | 436.269989  | 436.2662352 |
| SLHLGVTSPVLR                 | O89023  | 0.02879581 | N-term +28.03 Da,                           | 3439.103271 | 2 | 653.9000244 | 653.8957145 |
| FVELETNLPASR                 | O35215  | 0          | N-term +28.03 Da,                           | 3440.683838 | 2 | 702.3800049 | 702.380095  |
| TFNVQDGPDPFQDR               | P97493  | 0          | N-term +28.03 Da,                           | 3443.677979 | 2 | 834.3900146 | 834.3866381 |
| GVPVFKFPR                    | Q8R0Y6  | 0          | N-term +28.03 Da, K +28.03 Da,              | 3444.859131 | 3 | 368.5599976 | 368.230573  |
| APAGILNGKLVSAQIR             | Q922D8  | 0          | N-term +28.03 Da, K +28.03 Da,              | 3446.304688 | 3 | 555.3400269 | 555.3454372 |
| TMTLGDIVYKR                  | P12710  | 0          | N-term +28.03 Da, K +28.03 Da,              | 3447.585693 | 3 | 451.5899963 | 451.5917311 |
| VSTSSMGTLPKQVKIVEVGPR        | P38060  | 0          | N-term +28.03 Da, K +28.03 Da,              | 3447.780273 | 4 | 575.3400269 | 575.0869888 |
| AGILNGKLVSAQIR               | Q922D8  | 0.02881467 | N-term +28.03 Da, K +28.03 Da,              | 3447.91333  | 3 | 499.980011  | 499.3154777 |
| TFNVQDGPDPFQDR               | P97493  | 0          | N-term +28.03 Da,                           | 3449.155518 | 2 | 834.8900146 | 834.3866381 |
| VGDLGNVTAGKDGVANVSIEDR       | P08228  | 0          | N-term +28.03 Da, K +28.03 Da,              | 3449.668213 | 3 | 748.7299805 | 748.0606438 |
| VGDLGNVTAGKDGVANVSIEDR       | P08228  | 0          | N-term +28.03 Da, K +28.03 Da,              | 3450.672363 | 3 | 748.3900146 | 748.0606438 |
| VFDKDGNGYISAAELR             | P62204  | 0          | N-term +28.03 Da, K +28.03 Da,              | 3452.668213 | 3 | 604.6400146 | 604.3159841 |
| METWRCVRRGYGR                | Q8K1C0  | 0.04949314 | N-term +28.03 Da, C +57.02 Da,              | 3454.147461 | 2 | 878.4500122 | 877.938128  |
| STSSMGTLPKQVKIVEVGPR         | P38060  | 0          | N-term +28.03 Da, K +28.03 Da,              | 3456.813232 | 3 | 733.4199829 | 733.4240882 |
| GTNKETTIQLDGLSER             | Q91Y97  | 0          | N-term +28.03 Da, K +28.03 Da,              | 3462.042725 | 2 | 938.4799805 | 937.9945421 |
| SIKELGDHVTNLR                | P09528  | 0.00239044 | N-term +28.03 Da, K +28.03 Da,              | 3462.916992 | 3 | 513.6199951 | 513.2947427 |
| SIVPALEIANAHR                | P63038  | 0.00532319 | N-term +28.03 Da,                           | 3471.749756 | 3 | 473.6099854 | 473.6086612 |
| VQAWYMDESTADPR               | Q99JT9  | 0          | N-term +28.03 Da,                           | 3477.221191 | 2 | 848.8800049 | 848.8854165 |
| EEHPTLLTEAPLNPKANR           | P62737  | 0          | N-term +28.03 Da, K +28.03 Da,              | 3477.296631 | 3 | 696.039978  | 696.0478977 |
| MFIVNTNVR                    | P34884  | 0          | N-term +28.03 Da,                           | 3477.707275 | 2 | 609.8353271 | 609.8368107 |
| QGGIVDKDLRHLYNLR             | Q9WVQ1  | 0.04186893 | N-term +28.03 Da, K +28.03 Da,              | 3479.033691 | 3 | 652.0499878 | 651.7058056 |
| APNVLASEEPIPKGIR             | Q9WTP6  | 0          | N-term +28.03 Da, K +28.03 Da,              | 3480.137939 | 3 | 583.0081177 | 583.0086025 |
| TFNVQDGPDPFQDR               | P97493  | 0          | N-term +28.03 Da,                           | 3481.556152 | 2 | 834.385498  | 834.3866381 |
| NKELDPVQKLFVDKIR             | P97450  | 0.0188172  | N-term +28.03 Da, K +28.03 Da,              | 3488.537354 | 4 | 514.5700073 | 514.3147655 |

|                         |        |            |   |             |   |             |             |
|-------------------------|--------|------------|---|-------------|---|-------------|-------------|
| STAPVGGGSFPTITPR        | Q922R8 | 0          | N-term +28.03 Da,                           | 3489.599609 | 2 | 786.4099731 | 786.9226587 |
| APNVLASEPEIPKGR         | Q9WTP6 | 0          | N-term +28.03 Da, K +28.03 Da,              | 3494.145508 | 2 | 874         | 874.0092656 |
| VEIIANDQGNR             | P16627 | 0.04176755 | N-term +28.03 Da,                           | 3498.005859 | 2 | 628.3300171 | 628.8333118 |
| EELNLSKYVR              | P11352 | 0.04207317 | N-term +28.03 Da, K +28.03 Da,              | 3503.087646 | 3 | 473.9400024 | 473.9450506 |
| SDAPPLTLDGIKDR          | Q9CR21 | 0.00981079 | N-term +28.03 Da, K +28.03 Da,              | 3511.377441 | 2 | 776.9199829 | 777.4303168 |
| MILLEVNNR               | Q9CVB6 | 0.00234926 | N-term +28.03 Da,                           | 3513.897217 | 2 | 565.3218994 | 565.3235362 |
| VSEPTTVPFDVR            | Q9CPT4 | 0          | N-term +28.03 Da,                           | 3516.463379 | 2 | 688.3699951 | 687.8668205 |
| SIVEDKLVEDLKTR          | P26443 | 0          | N-term +28.03 Da, K +28.03 Da,              | 3517.83252  | 3 | 577.0100098 | 577.0083799 |
| AVFPSIVGR               | P60710 | 0.0125523  | N-term +28.03 Da,                           | 3518.066406 | 2 | 487.2900085 | 487.2951041 |
| MRGQVGDLSPPQQEALAR      | Q8R0F9 | 0.03659306 | N-term +28.03 Da,                           | 3518.329102 | 2 | 1006.01001  | 1006.520735 |
| HVGDLGNVTAGKDGVANVSIEDR | P08228 | 0.00085179 | N-term +28.03 Da, K +28.03 Da,              | 3527.871094 | 2 | 1190.599976 | 1190.116784 |
| HVGDLGNVTAGKDGVANVSIEDR | P08228 | 0          | N-term +28.03 Da, K +28.03 Da,              | 3528.60791  | 3 | 794.0700073 | 793.7469479 |
| TGTAEMSSILEER           | Q03265 | 0          | N-term +28.03 Da,                           | 3534.45166  | 2 | 726.3499756 | 726.3559604 |
| SEVPGAAEGPGGSGVGLGDR    | Q9EP72 | 0          | N-term +28.03 Da,                           | 3537.158936 | 2 | 933.960022  | 934.4608664 |
| CCLVRNPK                | P35761 | 0.02941176 | N-term +28.03 Da, K +28.03 Da, C +57.02 Da, | 3546.2146   | 2 | 551.789978  | 551.796631  |
| TAPVGGGSFPTITPR         | Q922R8 | 0          | N-term +28.03 Da,                           | 3552.126465 | 2 | 743.4099731 | 743.4066441 |
| QEHVVLTKEFVEGAR         | Q8C196 | 0          | N-term +28.03 Da, K +28.03 Da,              | 3552.63623  | 3 | 589.6599731 | 589.3368305 |
| LRPGDCEVCISYLGR         | Q9CXI5 | 0          | N-term +28.03 Da, C +57.02 Da,              | 3553.482422 | 3 | 608.9699707 | 608.3028039 |
| VALEQQSPDIAQCQVHLDR     | Q91X83 | 0          | N-term +28.03 Da, C +57.02 Da,              | 3558.26001  | 3 | 703.0300293 | 703.0248759 |
| HVGDLGNVTAGKDGVANVSIEDR | P08228 | 0          | N-term +28.03 Da, K +28.03 Da,              | 3560.111572 | 3 | 794.4099731 | 793.7469479 |
| FIVDYFFEEKQNLN          | Q8JZW4 | 0.03802993 | N-term +28.03 Da, K +28.03 Da,              | 3567.643555 | 2 | 953.4899902 | 952.5012735 |
| TPTEKLPFPIIDDKGR        | Q08709 | 0          | N-term +28.03 Da, K +28.03 Da,              | 3570.398193 | 4 | 478.7799988 | 478.5292036 |
| DDEVVDVGTVEEDLGKSR      | P08113 | 0          | N-term +28.03 Da, K +28.03 Da,              | 3571.545654 | 3 | 678.9899902 | 678.6551722 |
| SDLELHPPSYPSWSHR        | Q9D0M3 | 0          | N-term +28.03 Da,                           | 3571.621094 | 4 | 463.480011  | 462.9811491 |
| SDLELHPPSYPSWSHR        | Q9D0M3 | 0          | N-term +28.03 Da,                           | 3577.852783 | 3 | 617.3099976 | 616.97244   |
| DDEVVDVGTVEEDLGKSR      | P08113 | 0          | N-term +28.03 Da, K +28.03 Da,              | 3577.943359 | 2 | 1017.469971 | 1017.47912  |
| SDLTEFMR                | O89023 | 0.01375516 | N-term +28.03 Da,                           | 3578.217285 | 2 | 513.75      | 513.7498699 |
| KELDPVQKLFVDKIR         | P97450 | 0          | N-term +28.03 Da, K +28.03 Da,              | 3580.171875 | 4 | 486.3099976 | 485.8040334 |
| APAGILNGKLVSAQIR        | Q922D8 | 0.0023678  | N-term +28.03 Da, K +28.03 Da,              | 3589.318848 | 3 | 555.6729126 | 555.3454372 |
| SAGFLQASADVVVVHGR       | Q8VCH0 | 0          | N-term +28.03 Da,                           | 3595.897705 | 3 | 610.3300171 | 609.9952448 |
| IMNVIGEPIDER            | P56480 | 0          | N-term +28.03 Da,                           | 3595.983398 | 2 | 707.3800049 | 707.3739554 |
| AAPAKGENLSLVVHGPDIR     | Q64442 | 0.01437372 | N-term +28.03 Da, K +28.03 Da,              | 3599.20166  | 3 | 686.3800049 | 686.3882541 |
| DDEVVDVGTVEEDLGKSR      | P08113 | 0          | N-term +28.03 Da, K +28.03 Da,              | 3601.883789 | 3 | 678.6536865 | 678.6551722 |
| EHPVVLTKEFVEGAR         | Q8C196 | 0          | N-term +28.03 Da, K +28.03 Da,              | 3604.235596 | 3 | 546.6400146 | 546.6506377 |
| TVLSGGTTMYPGIADR        | P60710 | 0          | N-term +28.03 Da,                           | 3611.767822 | 2 | 834.4299927 | 833.9270842 |
| DDEVVDVGTVEEDLGKSR      | P08113 | 0          | N-term +28.03 Da, K +28.03 Da,              | 3612.386963 | 2 | 1017.97998  | 1017.47912  |
| SGAPIKIPVGPETLGR        | P56480 | 0          | N-term +28.03 Da, K +28.03 Da,              | 3614.244629 | 3 | 550         | 549.9979261 |
| GEALSTLVLNR             | P63038 | 0          | N-term +28.03 Da,                           | 3618.123535 | 2 | 600.8499756 | 600.8509729 |
| HVGDLGNVTAGKDGVANVSIEDR | P08228 | 0          | N-term +28.03 Da, K +28.03 Da,              | 3618.220215 | 2 | 1189.609985 | 1190.116784 |
| SVVAGGPEVTLTPER         | Q8CIM3 | 0          | N-term +28.03 Da,                           | 3621.539307 | 2 | 769.9199829 | 770.4224917 |

|                         |        |            |                                |             |   |             |             |
|-------------------------|--------|------------|--------------------------------|-------------|---|-------------|-------------|
| STPQSQFQESSPVWKLGR      | Q9D1I5 | 0          | N-term +28.03 Da, K +28.03 Da, | 3621.62085  | 3 | 706.7000122 | 706.704131  |
| ELISNASDALDKIR          | P08113 | 0          | N-term +28.03 Da, K +28.03 Da, | 3622.605469 | 3 | 534.2999878 | 534.3016747 |
| APAGILNGKLVSAQIR        | Q922D8 | 0          | N-term +28.03 Da, K +28.03 Da, | 3623.115967 | 3 | 556.0100098 | 555.3454372 |
| PGHLQEGFGCVVTNR         | Q9CY58 | 0          | N-term +28.03 Da, C +57.02 Da, | 3626.193359 | 2 | 850.4400024 | 849.9226671 |
| TLPDTVDWR               | O70370 | 0          | N-term +28.03 Da,              | 3628.124512 | 2 | 565.7947998 | 565.7956662 |
| VLLTMIAR                | O08547 | 0.00933908 | N-term +28.03 Da,              | 3629.824219 | 2 | 472.7999878 | 472.8017076 |
| DDEVVDVGTVEEDLGKSR      | P08113 | 0          | N-term +28.03 Da, K +28.03 Da, | 3632.248291 | 3 | 678.6547241 | 678.6551722 |
| AAELMQQKEATTEQQLR       | O35490 | 0          | N-term +28.03 Da, K +28.03 Da, | 3636.189941 | 3 | 678.3499756 | 677.6894932 |
| ETLYQKDSQGNLFR          | Q91Y97 | 0          | N-term +28.03 Da, K +28.03 Da, | 3652.097168 | 2 | 877.9400024 | 877.9572304 |
| APAGILNGKLVSAQIR        | Q922D8 | 0.03067885 | N-term +28.03 Da, K +28.03 Da, | 3654.114746 | 3 | 555.6729736 | 555.3454372 |
| STGTFVVSQPLNYR          | Q9JLJ2 | 0          | N-term +28.03 Da,              | 3662.558838 | 2 | 798.4099731 | 798.9226587 |
| HVGDLGNVTAGKDGVANVSIEDR | P08228 | 0          | N-term +28.03 Da, K +28.03 Da, | 3663.705811 | 3 | 794.0700073 | 793.7469479 |
| HVGDLGNVTAGKDGVANVSIEDR | P08228 | 0          | N-term +28.03 Da, K +28.03 Da, | 3669.449463 | 3 | 793.4099731 | 793.7469479 |
| DDEVVDVGTVEEDLGKSR      | P08113 | 0          | N-term +28.03 Da, K +28.03 Da, | 3672.241455 | 3 | 678.6500244 | 678.6551722 |
| APAGILNGKLVSAQIR        | Q922D8 | 0.00085616 | N-term +28.03 Da, K +28.03 Da, | 3684.867432 | 3 | 555.6734009 | 555.3454372 |
| DALEEEEDNVLVKK          | P09103 | 0          | N-term +28.03 Da, K +28.03 Da, | 3686.601318 | 3 | 566.9899902 | 566.9889855 |
| SLQPEIQPFPPQTASR        | Q9ESB3 | 0.04997026 | N-term +28.03 Da,              | 3687.018066 | 2 | 863.9500122 | 863.9597729 |
| APEEHPVLLTEAPLNPKANR    | P60710 | 0          | N-term +28.03 Da, K +28.03 Da, | 3690.1875   | 3 | 751.7399902 | 751.4181022 |
| DALEEEEDNVLVKK          | P09103 | 0          | N-term +28.03 Da, K +28.03 Da, | 3694.099365 | 2 | 849.9799805 | 849.97984   |
| DGLNAEGLLR              | Q64374 | 0          | N-term +28.03 Da,              | 3700.218018 | 2 | 543.2999878 | 543.3011157 |
| NKELDPVQKLFVDKIR        | P97450 | 0          | N-term +28.03 Da, K +28.03 Da, | 3700.900635 | 4 | 514.5700073 | 514.3147655 |
| LGTLDPSSLDDETAYER       | Q35943 | 0          | N-term +28.03 Da,              | 3706.510742 | 2 | 954.960022  | 954.962908  |
| DLPKNWDWR               | Q9WUU7 | 0          | N-term +28.03 Da, K +28.03 Da, | 3715.610107 | 3 | 429.230011  | 429.2277804 |
| IADQCPSSLAIQENANALAR    | Q91Y97 | 0          | N-term +28.03 Da, C +57.02 Da, | 3715.700195 | 2 | 1085.560059 | 1085.54969  |
| ELPDGQVITIGNER          | P60710 | 0          | N-term +28.03 Da,              | 3715.780518 | 2 | 784.9099731 | 784.9175737 |
| DDEVVDVGTVEEDLGKSR      | P08113 | 0          | N-term +28.03 Da, K +28.03 Da, | 3719.781738 | 2 | 1016.969971 | 1017.47912  |
| DDEVVDVGTVEEDLGKSR      | P08113 | 0          | N-term +28.03 Da, K +28.03 Da, | 3722.839111 | 3 | 678.3200073 | 678.6551722 |
| GETPTEKLPFPIIDDKGR      | O08709 | 0          | N-term +28.03 Da, K +28.03 Da, | 3734.386963 | 4 | 525.289978  | 525.0452182 |
| SDAPPLTLDGKDR           | Q9CR21 | 0          | N-term +28.03 Da, K +28.03 Da, | 3735.466064 | 3 | 518.2800293 | 518.6226367 |
| GVVSDDDLPLNVSR          | P08113 | 0          | N-term +28.03 Da,              | 3739.596924 | 2 | 758.4000244 | 757.3964741 |
| NKELDPVQKLFVDKIR        | P97450 | 0          | N-term +28.03 Da, K +28.03 Da, | 3741.34375  | 4 | 514.8200073 | 514.3147655 |
| DDEVVDVGTVEEDLGKSR      | P08113 | 0          | N-term +28.03 Da, K +28.03 Da, | 3742.663574 | 2 | 1017.469971 | 1017.47912  |
| NKELDPVQKLFVDKIR        | P97450 | 0          | N-term +28.03 Da, K +28.03 Da, | 3742.895264 | 3 | 685.75      | 685.4172618 |
| DDEVVDVGTVEEDLGKSR      | P08113 | 0          | N-term +28.03 Da, K +28.03 Da, | 3744.616943 | 3 | 678.3174438 | 678.6551722 |
| DDEVVDVGTVEEDLGKSR      | P08113 | 0          | N-term +28.03 Da, K +28.03 Da, | 3757.141846 | 2 | 1017.969971 | 1017.47912  |
| TGIKAVDSLPIGR           | Q03265 | 0.01556157 | N-term +28.03 Da, K +28.03 Da, | 3758.10791  | 3 | 494.9700012 | 494.63985   |
| VTGAAELMQQKEATTEQQLR    | O35490 | 0.01565691 | N-term +28.03 Da, K +28.03 Da, | 3761.756104 | 3 | 815.4299927 | 815.4441003 |
| TGIKAVDSLPIGR           | Q03265 | 0.00531511 | N-term +28.03 Da, K +28.03 Da, | 3762.296875 | 3 | 494.2999878 | 494.63985   |
| MKETIMNQEKLAKLQAQVR     | Q64152 | 0          | N-term +28.03 Da, K +28.03 Da, | 3764.604004 | 4 | 593.3400269 | 593.5945523 |
| NKELDPVQKLFVDKIR        | P97450 | 0          | N-term +28.03 Da, K +28.03 Da, | 3771.799316 | 4 | 514.3140259 | 514.3147655 |

|                            |        |            |                                |             |   |             |             |
|----------------------------|--------|------------|--------------------------------|-------------|---|-------------|-------------|
| MKETIMNQEKLAKLQAQVR        | Q64152 | 0.00949598 | N-term +28.03 Da, K +28.03 Da, | 3772.537354 | 3 | 790.7800293 | 791.1236442 |
| IIGGSMDAKGSFPWQAK          | Q61646 | 0          | N-term +28.03 Da, K +28.03 Da, | 3776.636475 | 3 | 626.3400269 | 626.3378428 |
| IIGGSMDAKGSFPWQAK          | Q61646 | 0          | N-term +28.03 Da, K +28.03 Da, | 3777.926758 | 3 | 627.0100098 | 626.3378428 |
| MASGGGVPTDEEQATGLER        | P19536 | 0.0053681  | N-term +28.03 Da,              | 3778.391113 | 2 | 966.4400024 | 966.9520173 |
| QTKGSPESRSLSFQHDPEPSTVLILR | Q8BHN3 | 0          | N-term +28.03 Da, K +28.03 Da, | 3782.738281 | 4 | 695.8699951 | 696.127803  |
| APAGILNGKLVSAQIR           | Q922D8 | 0.01557211 | N-term +28.03 Da, K +28.03 Da, | 3793.390381 | 3 | 555.6699829 | 555.3454372 |
| IIGGSMDAKGSFPWQAK          | Q61646 | 0          | N-term +28.03 Da, K +28.03 Da, | 3794.806152 | 2 | 939.5       | 939.003126  |
| SLGVAAEGLPDQYADGEAAR       | Q9QXF8 | 0          | N-term +28.03 Da,              | 3797.202637 | 2 | 1009.98999  | 1009.494907 |
| HVGDLGNVTAGKDGVANVSIEDR    | P08228 | 0          | N-term +28.03 Da, K +28.03 Da, | 3808.647461 | 3 | 793.4000244 | 793.7469479 |
| IIGGSMDAKGSFPWQAK          | Q61646 | 0          | N-term +28.03 Da, K +28.03 Da, | 3809.065918 | 3 | 626.3400269 | 626.3378428 |
| QKTGTAEMSSILEER            | Q03265 | 0          | N-term +28.03 Da, K +28.03 Da, | 3811.534668 | 2 | 867.9299927 | 868.4483813 |
| SLPPHQKVLPLPSLSPTMQAGTIAR  | Q8BMF4 | 0          | N-term +28.03 Da, K +28.03 Da, | 3829.540527 | 4 | 646.3699951 | 646.3676327 |
| VLESTMVQVDNSEYMR           | Q35226 | 0          | N-term +28.03 Da, C +57.02 Da, | 3832.113281 | 2 | 981.4400024 | 980.9442916 |
| VALEGVGHFFR                | P29391 | 0.0137457  | N-term +28.03 Da,              | 3833.557129 | 3 | 420.5675964 | 420.5680254 |
| STQAAEDKEEESLHSIISNTEAVR   | Q9CQN1 | 0.01620527 | N-term +28.03 Da, K +28.03 Da, | 3833.762207 | 4 | 676.0900269 | 675.8385262 |
| APATTFHAHDATTVLSR          | P56480 | 0          | N-term +28.03 Da,              | 3838.316406 | 3 | 600.6599731 | 600.6598621 |
| IIGGSMDAKGSFPWQAK          | Q61646 | 0          | N-term +28.03 Da, K +28.03 Da, | 3840.817871 | 3 | 627.0100098 | 626.3378428 |
| NVLASEPEIPK GIR            | Q9WTP6 | 0          | N-term +28.03 Da, K +28.03 Da, | 3851.706787 | 2 | 789.4483032 | 789.9643264 |
| SLPPHQKVLPLPSLSPTMQAGTIAR  | Q8BMF4 | 0.01569966 | N-term +28.03 Da, K +28.03 Da, | 3860.269775 | 4 | 646.8699951 | 646.3676327 |
| TLNNDIMLIK                 | Q792Y8 | 0          | N-term +28.03 Da, K +28.03 Da, | 3864.690918 | 2 | 615.8598633 | 615.8599518 |
| TIVYFPVR                   | P19157 | 0.03492063 | N-term +28.03 Da,              | 3865.812256 | 2 | 511.8099976 | 511.8053047 |
| VSLHLGVTPSVLR              | Q89023 | 0          | N-term +28.03 Da,              | 3868.288574 | 3 | 469.2900085 | 469.2890399 |
| EAAQMDMVNDGVEDLR           | P19157 | 0          | N-term +28.03 Da,              | 3874.771973 | 2 | 910.9099731 | 910.9113061 |
| FDITADDEPLGR               | P17742 | 0          | N-term +28.03 Da,              | 3875.133301 | 2 | 688.8400269 | 688.8382604 |
| STPQSQFQESSPVWKLGR         | Q9D1I5 | 0          | N-term +28.03 Da, K +28.03 Da, | 3880.314697 | 3 | 707.3699951 | 706.704131  |
| SLAVTMDDFR                 | Q01853 | 0.01313062 | N-term +28.03 Da,              | 3890.425537 | 2 | 591.789978  | 591.7948091 |
| TIVYFPVR                   | P19157 | 0.03318443 | N-term +28.03 Da,              | 3897.57666  | 2 | 511.804718  | 511.8053047 |
| YTIVYFPSR                  | F6RWRS | 0.0046225  | N-term +28.03 Da,              | 3904.054443 | 2 | 587.317749  | 587.3187767 |
| DLGNVTAGKDGVANVSIEDR       | P08228 | 0          | N-term +28.03 Da, K +28.03 Da, | 3908.957764 | 2 | 1043.530029 | 1043.542388 |
| SDLDAATQQLSR               | Q03265 | 0          | N-term +28.03 Da,              | 3915.284424 | 2 | 723.3800049 | 723.3833666 |
| IDLPEFDAR                  | P10605 | 0.00231839 | N-term +28.03 Da,              | 3917.231934 | 2 | 602.8132935 | 602.8140563 |
| GGTIPVVPTAEFQDR            | P26443 | 0.02005348 | N-term +28.03 Da,              | 3925.613525 | 2 | 807.9290771 | 807.9279412 |
| EPEGKEVWDYVTVR             | Q920A5 | 0          | N-term +28.03 Da, K +28.03 Da, | 3935.828857 | 2 | 881.9500122 | 881.9541564 |
| HGGTIPVVPTAEFQDR           | P26443 | 0.00233827 | N-term +28.03 Da,              | 3936.062988 | 2 | 876.4500122 | 876.4573973 |
| FTEAVEAKQVAQQAER           | P67778 | 0.04898447 | N-term +28.03 Da, K +28.03 Da, | 3937.662598 | 2 | 996         | 995.5156416 |
| TVSLHLGVTPSVLR             | Q89023 | 0          | N-term +28.03 Da,              | 3940.162842 | 3 | 502.9700012 | 502.9715997 |
| EPEGKEVWDYVTVR             | Q920A5 | 0          | N-term +28.03 Da, K +28.03 Da, | 3943.515625 | 3 | 588.2999878 | 588.3051964 |
| TITNTMTLGDIVYKR            | P12710 | 0          | N-term +28.03 Da, K +28.03 Da, | 3946.278564 | 3 | 595         | 594.6658481 |
| SILFVPTSAPR                | P08113 | 0          | N-term +28.03 Da,              | 3950.501221 | 2 | 608.3599854 | 608.3584334 |
| SPWEAFPAYR                 | Q9DCT2 | 0.0092264  | N-term +28.03 Da,              | 3951.107178 | 2 | 626.3099976 | 626.3114832 |



|   |        |            |   |             |   |             |             |
|---|--------|------------|---|-------------|---|-------------|-------------|
| EEFAIQLDGLNASQIR                                  | P08113 | 0.0008285  | N-term +28.03 Da,                           | 3963.090088 | 2 | 908.4699707 | 907.4681599 |
| HSILPVD D D I N G L N E E Q K Q L R               | Q9JHI5 | 0.00160385 | N-term +28.03 Da, K +28.03 Da,              | 3971.256592 | 3 | 830.4299927 | 830.438003  |
| TAEILELAGNAAR                                     | P22752 | 0          | N-term +28.03 Da,                           | 3971.981445 | 2 | 678.8800049 | 678.8777195 |
| ASKPTLNEVVIVSAIR                                  | Q8QZT1 | 0.00082988 | N-term +28.03 Da, K +28.03 Da,              | 3972.992676 | 3 | 585.0236816 | 585.0242526 |
| DDEVVDV D G T V E E D L G K S R                   | P08113 | 0          | N-term +28.03 Da, K +28.03 Da,              | 3973.26416  | 2 | 1016.969971 | 1017.47912  |
| TTIFEVLPEKADR                                     | Q92111 | 0          | N-term +28.03 Da, K +28.03 Da,              | 3973.783203 | 3 | 525.6300049 | 525.631132  |
| EDVQETDTSQK D Q S P A S H E I A T N L G D F A L R | Q00897 | 0          | N-term +28.03 Da, K +28.03 Da,              | 3976.709229 | 4 | 840.9099731 | 840.4062995 |
| TPVAWPSQEGQNPSLSSIR                               | Q8C196 | 0          | N-term +28.03 Da,                           | 3978.977783 | 2 | 1042.540039 | 1041.534366 |
| NVLASEPEIPK GIR                                   | Q9WTP6 | 0.00081633 | N-term +28.03 Da, K +28.03 Da,              | 3979.072754 | 2 | 789.960022  | 789.9643264 |
| DDEVVDV D G T V E E D L G K S R                   | P08113 | 0          | N-term +28.03 Da, K +28.03 Da,              | 3984.924805 | 3 | 678.3200073 | 678.6551722 |
| LCAATATILDKPEDR                                   | O35215 | 0          | N-term +28.03 Da, K +28.03 Da, C +57.02 Da, | 3985.016602 | 3 | 576.9699707 | 577.309953  |
| VAPEEHPVLLTEAPLNPKANR                             | P60710 | 0          | N-term +28.03 Da, K +28.03 Da,              | 3990.081299 | 3 | 785.0999756 | 784.440907  |
| GFGDLKTPAGL                                       | G70251 | 0          | N-term +28.03 Da, K +28.03 Da,              | 4019.869629 | 2 | 566.3232422 | 566.3240593 |
| EAHYNKNMQFLVFNRR                                  | Q68FG1 | 0.03752345 | N-term +28.03 Da, K +28.03 Da,              | 4020.260498 | 3 | 708.3599854 | 708.3704286 |
| STDITSLDQYVER                                     | P08113 | 0          | N-term +28.03 Da,                           | 4024.416504 | 2 | 778.3900146 | 777.8859396 |
| AGPWTPEAAVEHPEAVR                                 | O35490 | 0          | N-term +28.03 Da,                           | 4025.937256 | 2 | 923.4799805 | 922.9681294 |
| NKELDPVQKLFVDKIR                                  | P97450 | 0          | N-term +28.03 Da, K +28.03 Da,              | 4030.836914 | 4 | 514.8099976 | 514.3147655 |
| NKELDPVQKLFVDKIR                                  | P97450 | 0.00979706 | N-term +28.03 Da, K +28.03 Da,              | 4031.777344 | 3 | 686.0800171 | 685.4172618 |
| GISDVVKVTLTPEEEAR                                 | P06151 | 0          | N-term +28.03 Da, K +28.03 Da,              | 4033.752441 | 3 | 633.6900024 | 633.6859659 |
| STQAAEDKEEESLHSISNTEAVR                           | Q9CQN1 | 0          | N-term +28.03 Da, K +28.03 Da,              | 4042.76709  | 3 | 900.4400024 | 900.7822761 |
| HSILPVD D D I N G L N E E Q K Q L R               | Q9JHI5 | 0          | N-term +28.03 Da, K +28.03 Da,              | 4049.960938 | 3 | 830.4299927 | 830.438003  |
| GFGDLKTPAGL                                       | O70251 | 0          | N-term +28.03 Da, K +28.03 Da,              | 4050.34668  | 2 | 566.3232422 | 566.3240593 |
| NLLHVTDTGVGMTR                                    | P08113 | 0          | N-term +28.03 Da,                           | 4054.266602 | 2 | 771.9000244 | 771.4088611 |
| FDPAIN EYLQR                                      | Q9QXD6 | 0.00669145 | N-term +28.03 Da,                           | 4056.970947 | 2 | 697.3599854 | 697.3591624 |
| EEFAIQLDGLNASQIR                                  | P08113 | 0.0074129  | N-term +28.03 Da,                           | 4061.50293  | 2 | 907.4699707 | 907.4681599 |
| SLFKA F E E E Q A L R                             | P49429 | 0          | N-term +28.03 Da, K +28.03 Da,              | 4061.674805 | 3 | 541.9609375 | 541.9628817 |
| DIQMTQSPSSLSASLGER                                | P01639 | 0          | N-term +28.03 Da,                           | 4063.008545 | 2 | 967.9799805 | 967.9780349 |
| SLFKA F E E E Q A L R                             | P49429 | 0          | N-term +28.03 Da, K +28.03 Da,              | 4064.687988 | 2 | 812.4400024 | 812.4406843 |
| DDEVVDV D G T V E E D L G K S R                   | P08113 | 0          | N-term +28.03 Da, K +28.03 Da,              | 4065.642822 | 2 | 1016.969971 | 1017.47912  |
| EEFAIQLDGLNASQIR                                  | P08113 | 0.00240385 | N-term +28.03 Da,                           | 4066.316895 | 2 | 908.4699707 | 907.4681599 |
| TTFNVQDGP D F Q D R                               | P97493 | 0          | N-term +28.03 Da,                           | 4067.333252 | 2 | 833.8800049 | 834.3866381 |
| EKAHPLFTFLR                                       | P11352 | 0          | N-term +28.03 Da, K +28.03 Da,              | 4071.405762 | 3 | 472.269989  | 472.2783636 |
| DALEEEEDNVLV L K K                                | P09103 | 0.01439342 | N-term +28.03 Da, K +28.03 Da,              | 4072.988037 | 2 | 849.4699707 | 849.97984   |
| EEFAIQLDGLNASQIR                                  | P08113 | 0          | N-term +28.03 Da,                           | 4076.234619 | 2 | 907.9699707 | 907.4681599 |
| VPPVQVSP L I K F G R                              | Q06185 | 0          | N-term +28.03 Da, K +28.03 Da,              | 4076.633789 | 3 | 532         | 531.6677398 |
| VPPVQVSP L I K F G R                              | Q06185 | 0          | N-term +28.03 Da, K +28.03 Da,              | 4076.943604 | 3 | 532.3400269 | 531.6677398 |
| LKLPAVV T A D L R                                 | Q9DCW4 | 0.00950292 | N-term +28.03 Da, K +28.03 Da,              | 4079.647461 | 3 | 451.2999878 | 451.2939023 |
| SDVLELT D E N F E S R                             | P27773 | 0          | N-term +28.03 Da,                           | 4081.465576 | 2 | 841.4000244 | 841.3994117 |
| GEDFSLNDALDSSNSMQTVQKTTTR                         | P05784 | 0.03757044 | N-term +28.03 Da, K +28.03 Da,              | 4082.095947 | 3 | 934.7800293 | 934.4467877 |
| ASQTQGIQQLLQAEKR                                  | Q9WTT4 | 0          | N-term +28.03 Da, K +28.03 Da,              | 4083.361328 | 2 | 928.0071411 | 928.0234361 |

|                                |        |            |  |             |   |             |             |
|--------------------------------|--------|------------|--|-------------|---|-------------|-------------|
| VGGEASAAVEKLVSGVR              | Q9D211 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4083.436768 | 3 | 562.3200073 | 562.3245908 |
| DVIELTPSNFNR                   | Q922R8 | 0.01315789 | N-term +28.03 Da,                          | 4087.154541 | 2 | 716.8800049 | 716.875177  |
| ASQTQGIQQLQAEKR                | Q9WTT4 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4088.338867 | 3 | 619.0100098 | 619.0180496 |
| TDPKYIHWSPVCR                  | P11352 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 4088.960938 | 3 | 564.6400146 | 564.3043616 |
| GVVDESDIPLNLSR                 | Q9CQN1 | 0          | N-term +28.03 Da,                          | 4090.413086 | 2 | 771.9099731 | 771.4121242 |
| PFVELETNLPASR                  | O35215 | 0          | N-term +28.03 Da,                          | 4096.162109 | 2 | 750.9041748 | 750.9064771 |
| DDEVVDVGTVEEDLGKSR             | P08113 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4096.755859 | 2 | 1017.460022 | 1017.47912  |
| TFDLTGIPPAPR                   | P20029 | 0          | N-term +28.03 Da,                          | 4102.102539 | 2 | 657.3699951 | 656.866623  |
| DIQMTQTTSSLSASLGDR             | P01643 | 0          | N-term +28.03 Da,                          | 4102.297363 | 2 | 970.4699707 | 969.9754924 |
| TAASSSSLEKSYELPDGGQVITIGNER    | P60710 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4103.744629 | 3 | 937.4899902 | 936.8135762 |
| TGSGDPKEEEEELVDPLTTVR          | P99028 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4107.995117 | 3 | 829.7399902 | 829.4096679 |
| TFDLTAVSYLR                    | Q8BX70 | 0.00085324 | N-term +28.03 Da,                          | 4108.489258 | 2 | 658.3699951 | 657.3586309 |
| ASQTQGIQQLQAEKR                | Q9WTT4 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4113.88623  | 2 | 928.5100098 | 928.0234361 |
| YFAGTMAEETAPAVLER              | Q64374 | 0          | N-term +28.03 Da,                          | 4113.982422 | 2 | 942.460022  | 942.4640313 |
| YFAGTMAEETAPAVLER              | Q64374 | 0          | N-term +28.03 Da,                          | 4114.339844 | 2 | 943.4699707 | 942.4640313 |
| TGSGDPKEEEEELVDPLTTVR          | P99028 | 0.00939306 | N-term +28.03 Da, K +28.03 Da,             | 4116.544434 | 2 | 1244.109985 | 1243.610864 |
| SFVNDIFER                      | P10853 | 0.00536398 | N-term +28.03 Da,                          | 4117.595215 | 2 | 577.7940674 | 577.7956662 |
| VELGEELEAVTARPEAVER            | P59017 | 0.01559322 | N-term +28.03 Da,                          | 4125.775391 | 3 | 752.0499878 | 752.0568995 |
| AVRPLQLLGTCAELCR               | Q8BTE6 | 0          | N-term +28.03 Da, C +57.02 Da,             | 4129.923828 | 3 | 629.0100098 | 629.0097317 |
| ALDSLKPANEDQKIGIEIIR           | P63038 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4130.273926 | 4 | 616.6099854 | 616.619082  |
| APDQDEIDCLPGLAKQPSFR           | P16675 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 4131.227051 | 3 | 771.7220459 | 771.7229744 |
| DVLVIECNLR                     | Q8C196 | 0          | N-term +28.03 Da, C +57.02 Da,             | 4141.887207 | 2 | 629.8400269 | 629.8448333 |
| NKELDPVQKLFVDKIR               | P97450 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4147.823242 | 4 | 514.5599976 | 514.3147655 |
| APDQDEIDCLPGLAKQPSFR           | P16675 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 4149.183105 | 2 | 1157.089966 | 1157.080823 |
| VLSGEDKSNIAAWGKIGGHGAIEYGAELER | P01942 | 0.00920028 | N-term +28.03 Da, K +28.03 Da,             | 4151.413574 | 4 | 832.4299927 | 832.1939406 |
| TFDLTGIPPAPR                   | P20029 | 0          | N-term +28.03 Da,                          | 4151.571289 | 2 | 656.8699951 | 656.866623  |
| NKELDPVQKLFVDKIR               | P97450 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4152.980469 | 4 | 514.0599976 | 514.3147655 |
| GDPKEEEEELVDPLTTVR             | P99028 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4153.0625   | 2 | 1121.569946 | 1121.060277 |
| DIDAWELR                       | P12787 | 0.04199635 | N-term +28.03 Da,                          | 4154.487305 | 2 | 523.2700195 | 523.2692841 |
| GDPKEEEEELVDPLTTVR             | P99028 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4155.730469 | 3 | 747.7090454 | 747.7092771 |
| SDIDEIVLVGGSTR                 | P20029 | 0          | N-term +28.03 Da,                          | 4156.060547 | 2 | 745.3900146 | 744.8988496 |
| SDIDEIVLVGGSTR                 | P20029 | 0          | N-term +28.03 Da,                          | 4161.010254 | 2 | 745.4099731 | 744.8988496 |
| APDQDEIDCLPGLAKQPSFR           | P16675 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 4161.810059 | 3 | 771.7215576 | 771.7229744 |
| TVDAFDYDLQTGGQISNR             | Q64374 | 0          | N-term +28.03 Da,                          | 4169.670898 | 2 | 986.4799805 | 985.9763495 |
| HSILPVDDINGLNEEQKQLR           | Q9JHI5 | 0.00927247 | N-term +28.03 Da, K +28.03 Da,             | 4169.753418 | 3 | 830.0900269 | 830.438003  |
| HSILPVDDINGLNEEQKQLR           | Q9JHI5 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4174.345703 | 3 | 830.7600098 | 830.438003  |
| AWITAPVALR                     | O51111 | 0          | N-term +28.03 Da,                          | 4180.766602 | 2 | 563.3421631 | 563.3425858 |
| NKELDPVQKLFVDKIR               | P97450 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4183.59668  | 4 | 514.5601807 | 514.3147655 |
| GDPKEEEEELVDPLTTVR             | P99028 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4183.671875 | 2 | 1121.058838 | 1121.060277 |
| SDVLELTDEFESR                  | P27773 | 0          | N-term +28.03 Da,                          | 4183.777832 | 2 | 841.4000244 | 841.3994117 |

|                        |        |            |  |             |   |             |             |
|------------------------|--------|------------|--|-------------|---|-------------|-------------|
| SDVLELTDENFESR         | P27773 | 0          | N-term +28.03 Da,                          | 4185.580078 | 2 | 841.9000244 | 841.3994117 |
| GDPKEEEEEELVDPLTTVR    | P99028 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4186.583496 | 3 | 747.7080688 | 747.7092771 |
| TFDLTGIPPAPR           | P20029 | 0          | N-term +28.03 Da,                          | 4188.247559 | 2 | 657.3699951 | 656.866623  |
| DDEVVDVDTVEEDLGKSR     | P08113 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4188.724609 | 2 | 1016.969971 | 1017.47912  |
| TLVGYDLVPEPK           | P12787 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4193.044922 | 2 | 693.9000244 | 693.8975891 |
| LAGTNKETTIQGLDGLSER    | Q91Y97 | 0.00531915 | N-term +28.03 Da, K +28.03 Da,             | 4205.855957 | 2 | 1030.039063 | 1030.055131 |
| NKELDPVQKLFVDKIR       | P97450 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4211.385254 | 4 | 514.0599976 | 514.3147655 |
| TFDLTGIPPAPR           | P20029 | 0          | N-term +28.03 Da,                          | 4219.171875 | 2 | 656.8643799 | 656.866623  |
| MGDSASKVISAEALPGR      | Q9D6Y7 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4219.388184 | 2 | 937.4699707 | 937.4880379 |
| MGDSASKVISAEALPGR      | Q9D6Y7 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4223.229492 | 3 | 624.9899902 | 625.3277841 |
| SLGEYLFER              | P29391 | 0.00953778 | N-term +28.03 Da,                          | 4226.379395 | 2 | 571.2957153 | 571.2980417 |
| LADAVAVTMGPKGR         | P63038 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4226.5625   | 2 | 721.4000244 | 721.4134146 |
| DLDAATQQLLSR           | Q03265 | 0          | N-term +28.03 Da,                          | 4231.185059 | 2 | 680.3699951 | 679.867352  |
| TVEEPLDLIR             | P62311 | 0.01048951 | N-term +28.03 Da,                          | 4231.45459  | 2 | 607.3499756 | 606.8453564 |
| SDVLELTDENFESR         | P27773 | 0          | N-term +28.03 Da,                          | 4233.904785 | 2 | 841.3985596 | 841.3994117 |
| TFDLTAVSYLR            | Q8BX70 | 0.00235294 | N-term +28.03 Da,                          | 4234.292969 | 2 | 658.3699951 | 657.3586309 |
| MGDSASKVISAEALPGR      | Q9D6Y7 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4234.691406 | 2 | 937.9799805 | 937.4880379 |
| GAPLAGTNKETTIQGLDGLSER | Q91Y97 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4235.530762 | 2 | 1143.089966 | 1142.610803 |
| LDATTVLSR              | P56480 | 0.03614458 | N-term +28.03 Da,                          | 4235.817871 | 2 | 502.3005981 | 502.2927591 |
| SDVLELTDENFESR         | P27773 | 0          | N-term +28.03 Da,                          | 4240.52832  | 3 | 561.2686768 | 561.2686999 |
| PSSLAIQENANALAR        | Q91Y97 | 0.03196931 | N-term +28.03 Da,                          | 4248.05127  | 2 | 791.9199829 | 791.9310152 |
| TWVFQVQPR              | P97821 | 0.00924609 | N-term +28.03 Da,                          | 4252.413086 | 2 | 559.3099976 | 559.3112857 |
| DQDEIDCLPGLAKQPSFR     | P16675 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 4259.293457 | 3 | 716.3599854 | 715.6930149 |
| LDAATQQLLSR            | Q03265 | 0.00987306 | N-term +28.03 Da,                          | 4262.407227 | 2 | 622.3499756 | 622.3538799 |
| SDVLELTDENFESR         | P27773 | 0          | N-term +28.03 Da,                          | 4265.266602 | 2 | 841.397583  | 841.3994117 |
| DQDEIDCLPGLAKQPSFR     | P16675 | 0.00601052 | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 4265.63916  | 2 | 1073.540039 | 1073.035884 |
| NKELDPVQKLFVDKIR       | P97450 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4269.390625 | 3 | 685.7399902 | 685.4172618 |
| DQDEIDCLPGLAKQPSFR     | P16675 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 4273.107422 | 2 | 1073.040039 | 1073.035884 |
| TVTNAVVTVPAYFNDSQR     | P63017 | 0.03096774 | N-term +28.03 Da,                          | 4274.587402 | 2 | 1005.52002  | 1005.518184 |
| YVSPEDLEAQLQSDER       | P60904 | 0          | N-term +28.03 Da,                          | 4276.563965 | 2 | 953.9500122 | 953.9550829 |
| TGIYEALER              | P17182 | 0          | N-term +28.03 Da,                          | 4278.674316 | 2 | 596.8300171 | 596.8322488 |
| APQGSGLGEYLFER         | P29391 | 0          | N-term +28.03 Da,                          | 4290.695801 | 2 | 747.8823853 | 747.883002  |
| NKELDPVQKLFVDKIR       | P97450 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4292.106445 | 4 | 514.3099976 | 514.3147655 |
| GYLSLLQDSGEVR          | P63242 | 0.03793532 | N-term +28.03 Da,                          | 4295.898926 | 2 | 732.3856201 | 732.8882846 |
| SDVLELTDENFESR         | P27773 | 0          | N-term +28.03 Da,                          | 4295.980469 | 2 | 841.4000244 | 841.3994117 |
| NKELDPVQKLFVDKIR       | P97450 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4301.163086 | 3 | 685.4049072 | 685.4172618 |
| VMEKPSPLLGR            | P97379 | 0.00082713 | N-term +28.03 Da, K +28.03 Da,             | 4303.149414 | 3 | 461.2799988 | 461.2793759 |
| VPATPVAWPSQEGQNPSLSSIR | Q8C196 | 0.04204753 | N-term +28.03 Da,                          | 4307.399902 | 2 | 1175.619995 | 1175.113512 |
| TYIIGELHPDDR           | P56395 | 0.04955224 | N-term +28.03 Da,                          | 4309.928223 | 2 | 729.8800049 | 728.875177  |
| VISLSGEHSIIGR          | P08228 | 0.00946832 | N-term +28.03 Da,                          | 4314.220703 | 2 | 698.3900146 | 698.4013616 |

|                           |        |            |  |             |   |             |             |
|---------------------------|--------|------------|--|-------------|---|-------------|-------------|
| VPATPVAWPSQEGQNPSLSSIR    | Q8C196 | 0          | N-term +28.03 Da,                          | 4314.898926 | 2 | 1175.109985 | 1175.113512 |
| VPATPVAWPSQEGQNPSLSSIR    | Q8C196 | 0          | N-term +28.03 Da,                          | 4316.327148 | 3 | 784.4099731 | 783.7447668 |
| GLLSQGSPLSWEETQR          | P97494 | 0          | N-term +28.03 Da,                          | 4319.595215 | 2 | 908.960022  | 908.4654199 |
| VLSGEDKSNIAAWGKIGGH       | P01942 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4320.256836 | 4 | 545.3099976 | 545.561301  |
| VLSGEDKSNIAAWGKIGGH       | P01942 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4323.005859 | 3 | 726.7399902 | 727.0793092 |
| LFIIDKGILR                | P35700 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4330.091797 | 3 | 453.9500122 | 453.6183859 |
| TISPLDLAKLNQVAR           | P60335 | 0.00081699 | N-term +28.03 Da, K +28.03 Da,             | 4332.177246 | 3 | 566.3400269 | 565.6769642 |
| DIDLPEFDAR                | P10605 | 0          | N-term +28.03 Da,                          | 4340.103027 | 2 | 660.8300171 | 660.3275283 |
| APLDLDKYVEIAR             | Q9CQR6 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4346.005859 | 3 | 520.2999878 | 520.2994937 |
| MFEPKCLDAFPNLR            | P10649 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 4346.170898 | 3 | 598.6400146 | 598.6407566 |
| TDPAPATTFAHLDAITVLSR      | P56480 | 0          | N-term +28.03 Da,                          | 4346.262695 | 3 | 705.3699951 | 705.035658  |
| GPAGAGESKCPLMVKVLDVAVR    | P07309 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 4346.365234 | 4 | 560.5628662 | 560.5629864 |
| RDDVALEGVGHFFR            | P29391 | 0          | N-term +28.03 Da,                          | 4346.44043  | 3 | 549.6099854 | 549.2863586 |
| APTIVILEPAGGCLCDQPVHIAVR  | Q9QYR7 | 0          | N-term +28.03 Da, C +57.02 Da,             | 4349.237305 | 3 | 835.1099854 | 834.4382918 |
| TTIAGVVYKDGIVLGADTR       | P70195 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4349.713867 | 3 | 669.3800049 | 669.0491271 |
| TTIAGVVYKDGIVLGADTR       | P70195 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4352.435547 | 3 | 669.0490112 | 669.0491271 |
| TDAEKAASVSLWGKVNSEVGGALGR | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 4354.811035 | 3 | 969.1599731 | 968.4904388 |
| VKGVVDSDDLPLNVSR          | P08113 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4358.682617 | 2 | 885.4799805 | 884.993813  |
| TTIAGVVYKDGIVLGADTR       | P70195 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4358.866211 | 2 | 1003.570007 | 1003.070052 |
| GAPQGSLSGEYLFER           | P29391 | 0          | N-term +28.03 Da,                          | 4359.465332 | 2 | 777.3900146 | 776.3937341 |
| GPAGAGESKCPLMVKVLDVAVR    | P07309 | 0.00940666 | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 4360.106934 | 3 | 747.75      | 747.0815564 |
| TTIAGLVFR                 | Q35955 | 0.03661616 | N-term +28.03 Da,                          | 4363.666016 | 2 | 503.3074951 | 503.3082117 |
| DVALEGVGHFFR              | P29391 | 0          | N-term +28.03 Da,                          | 4363.816895 | 3 | 459.2399902 | 458.9103401 |
| AFDYDLQTGQISNR            | Q64374 | 0          | N-term +28.03 Da,                          | 4365.997559 | 2 | 827.9000244 | 828.4048307 |
| DFISYLQR                  | P27773 | 0.04169221 | N-term +28.03 Da,                          | 4366.21875  | 2 | 535.789978  | 535.2874766 |
| DVSPFLDGLLEERPQR          | Q9R1P4 | 0          | N-term +28.03 Da,                          | 4366.331543 | 3 | 595.9699707 | 595.9758504 |
| GDKDIGNIISDAMKKVGR        | P63038 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4366.982422 | 4 | 508.0400085 | 508.0423154 |
| LIGDAAKNQLTSNPENTVFDAKR   | P20029 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4370.23877  | 3 | 862.789978  | 862.8010528 |
| TPTEKLPFPIIDDKGR          | O08709 | 0.04222766 | N-term +28.03 Da, K +28.03 Da,             | 4375.075684 | 3 | 638.0300293 | 637.7031793 |
| LIGDAAKNQLTSNPENTVFDAKR   | P20029 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4375.501465 | 4 | 647.5999756 | 647.3526087 |
| NEFTLGEECELETMTGKVK       | P12710 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 4393.891113 | 3 | 810.0599976 | 810.0589241 |
| DPKEEEEEELVDPLTTVR        | P99028 | 0.00538876 | N-term +28.03 Da, K +28.03 Da,             | 4399.203613 | 3 | 729.3699951 | 728.7021224 |
| SSSSLEKSYELPDGQVITIGNER   | P60710 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4400.404785 | 3 | 856.1099854 | 855.7729403 |
| VSFELFADKVPKTAENFR        | P17742 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4403.428223 | 4 | 546.2999878 | 546.3031267 |
| LYSSDDVIELTPSNFNFR        | Q922R8 | 0          | N-term +28.03 Da,                          | 4403.549316 | 2 | 1043.011841 | 1043.01039  |
| SDVLELTDENFESR            | P27773 | 0          | N-term +28.03 Da,                          | 4406.125    | 2 | 841.8900146 | 841.3994117 |
| AKAATPGPL                 | Q8BGZ9 | 0.04225352 | N-term +28.03 Da, K +28.03 Da,             | 4407.393555 | 2 | 441.7858582 | 441.2763801 |
| YTIVYFPVR                 | P19157 | 0          | N-term +28.03 Da,                          | 4414.246094 | 2 | 593.3355103 | 593.3369693 |
| KELDPVQKLFVDKIR           | P97450 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4418.442383 | 4 | 485.5499878 | 485.8040334 |
| LYSSDDVIELTPSNFNFR        | Q922R8 | 0          | N-term +28.03 Da,                          | 4421.689453 | 3 | 696.0100098 | 695.6760186 |

|                                    |        |            |  |             |   |             |             |
|------------------------------------|--------|------------|--|-------------|---|-------------|-------------|
| LYSSDDVIELTPSNFNR                  | Q922R8 | 0          | N-term +28.03 Da,                          | 4422.88916  | 3 | 696.3400269 | 695.6760186 |
| DALEEDNVLVLK                       | P09103 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4422.970703 | 2 | 771.9146118 | 771.9167082 |
| PYNPSMSRPDAWGVTKGAAELMQQKEATTEQQLR | O35490 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4426.196777 | 4 | 976.7299805 | 976.4936545 |
| TGAPQGSGLGEYLFER                   | P29391 | 0          | N-term +28.03 Da,                          | 4427.743164 | 2 | 827.4099731 | 826.9175737 |
| STDITSLDQYVER                      | P08113 | 0.00534351 | N-term +28.03 Da,                          | 4430.071777 | 2 | 777.3800049 | 777.8859396 |
| TGAPQGSGLGEYLFER                   | P29391 | 0          | N-term +28.03 Da,                          | 4431.103516 | 2 | 826.9199829 | 826.9175737 |
| LYSSDDVIELTPSNFNR                  | Q922R8 | 0          | N-term +28.03 Da,                          | 4433.847656 | 2 | 1043.008301 | 1043.01039  |
| GPPDPILGVTEAFKR                    | P05202 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4434.27832  | 3 | 551.9799805 | 551.6505264 |
| SFPTLKFFPASADR                     | P09103 | 0.00237342 | N-term +28.03 Da, K +28.03 Da,             | 4438.75     | 3 | 547.2999878 | 547.299605  |
| NKELDPVQKLFVDKIR                   | P97450 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4439.041016 | 3 | 685.7399902 | 685.4172618 |
| GPPDPILGVTEAFKR                    | P05202 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4440.262695 | 3 | 551.6500244 | 551.6505264 |
| GQGALALAQAVQR                      | Q922D8 | 0          | N-term +28.03 Da,                          | 4442.392578 | 2 | 655.8699951 | 655.880596  |
| KEEEEEELVDPLTTVR                   | P99028 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4443.228027 | 2 | 987.5       | 986.5096912 |
| NKELDPVQKLFVDKIR                   | P97450 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4443.571289 | 4 | 514.5599976 | 514.3147655 |
| AVFPSIVGR                          | P60710 | 0.00236967 | N-term +28.03 Da,                          | 4444.126465 | 2 | 486.7900085 | 487.2951041 |
| NVPATPVAWPSQEGQNPSLSSIR            | Q8C196 | 0          | N-term +28.03 Da,                          | 4449.060547 | 2 | 1232.140015 | 1232.134976 |
| SLFKAFEEEQALR                      | P49429 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4451.375488 | 2 | 812.4299927 | 812.4406843 |
| PYNPSMSRPDAWGVTKGAAELMQQKEATTEQQLR | O35490 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4456.968262 | 4 | 976.7299805 | 976.4936545 |
| DPASTLPDIQVQENFSESR                | Q07456 | 0          | N-term +28.03 Da,                          | 4459.648926 | 2 | 1081.030029 | 1081.024029 |
| DPASTLPDIQVQENFSESR                | Q07456 | 0          | N-term +28.03 Da,                          | 4464.287598 | 2 | 1082.030029 | 1081.024029 |
| MPMFIVNTNVPR                       | P34884 | 0          | N-term +28.03 Da,                          | 4468.349121 | 2 | 723.8814087 | 723.8834353 |
| SFSEQGINEFLR                       | Q922R8 | 0          | N-term +28.03 Da,                          | 4470.105469 | 2 | 727.8699951 | 727.867352  |
| DPASTLPDIQVQENFSESR                | Q07456 | 0          | N-term +28.03 Da,                          | 4472.010742 | 3 | 721.3499756 | 721.0184446 |
| GPQPAQTGAPQGSGLGEYLFER             | P29391 | 0          | N-term +28.03 Da,                          | 4473.412598 | 2 | 1116.560059 | 1116.058205 |
| EDVQETDTSQKQSPASHEIATNLGDFALR      | Q00897 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4482.929688 | 3 | 1119.859985 | 1120.205974 |
| LAKVDATEESDLAQYQGVGR               | P09103 | 0.00082372 | N-term +28.03 Da, K +28.03 Da,             | 4492.579102 | 3 | 717.0300293 | 717.0427014 |
| EKAAVSCLWGKVNNSDEVGGEALGR          | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 4492.893066 | 3 | 873.4400024 | 872.7865263 |
| EDVQETDTSQKQSPASHEIATNLGDFALR      | Q00897 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4493.641602 | 4 | 840.4000244 | 840.4062995 |
| ASEAIKGAVVGIDLTGTTNSCVAVMEGKQAK    | P38647 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 4493.737305 | 3 | 1039.550049 | 1039.561317 |
| EKAAVSCLWGKVNNSDEVGGEALGR          | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 4493.921387 | 3 | 873.1099854 | 872.7865263 |
| TTF AHL DATTVLSR                   | P56480 | 0.00234375 | N-term +28.03 Da,                          | 4494.014648 | 2 | 780.9099731 | 780.9226587 |
| EKAAVSCLWGKVNNSDEVGGEALGR          | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 4499.69873  | 3 | 872.7700195 | 872.7865263 |
| LYSSDDVIELTPSNFNR                  | Q922R8 | 0          | N-term +28.03 Da,                          | 4505.540527 | 2 | 1043.01001  | 1043.01039  |
| DDVALEGVGHFFR                      | P29391 | 0          | N-term +28.03 Da,                          | 4514.162109 | 3 | 497.2530518 | 497.2526548 |
| TPVLGGLSYR                         | Q61176 | 0.00238095 | N-term +28.03 Da,                          | 4514.788574 | 2 | 545.3200073 | 545.8164012 |
| GAVIIASEDAVKKHNFPLAR               | Q8BWT1 | 0.02885246 | N-term +28.03 Da, K +28.03 Da,             | 4519.835449 | 4 | 581.3300171 | 581.0889543 |
| EAAALNEYLR                         | Q8R0Y6 | 0.03004572 | N-term +28.03 Da,                          | 4520.106445 | 2 | 554.2999878 | 553.7956662 |
| IVENLKLKNELFQR                     | Q61425 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4524.993164 | 3 | 610.0300293 | 610.040014  |
| AKFEELNMDLFR                       | P20029 | 0.04209884 | N-term +28.03 Da, K +28.03 Da,             | 4526.447754 | 3 | 523.6099854 | 523.6095622 |
| GVLEEFGR                           | Q9DBM2 | 0.0030888  | N-term +28.03 Da,                          | 4528.834473 | 2 | 541.289978  | 541.2874766 |

|                                    |        |            |  |             |   |             |             |
|------------------------------------|--------|------------|--|-------------|---|-------------|-------------|
| SHTSAAAGTMAGVPTVSFSELR             | E9PY03 | 0          | N-term +28.03 Da,                          | 4529.099609 | 2 | 1102.540039 | 1103.052066 |
| DLFSDGHSEFLKAASNLR                 | P27773 | 0.000819   | N-term +28.03 Da, K +28.03 Da,             | 4532.133301 | 3 | 688.0200195 | 688.3567313 |
| SSPASSPELPWRPRGLR                  | Q8BXQ8 | 0.03668564 | N-term +28.03 Da,                          | 4533.605957 | 3 | 641.0200195 | 641.0182722 |
| SSEPSPAVTPVPTTLIAPR                | Q9CWX8 | 0.03915475 | N-term +28.03 Da,                          | 4536.958984 | 2 | 1025.060059 | 1025.064967 |
| DEYCIQALPEFDGKR                    | P08113 | 0.00237154 | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 4543.453125 | 2 | 948.9500122 | 948.9616558 |
| LEKELSEEDVDVAVR                    | O35403 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4547.124023 | 2 | 894.4699707 | 893.9752865 |
| KFYGPEGPYGVFAGR                    | O55022 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4548.412109 | 2 | 850.4400024 | 850.9433938 |
| PEFMLPVHFYGR                       | Q9ET01 | 0          | N-term +28.03 Da,                          | 4549.543457 | 3 | 507.2600098 | 507.5954755 |
| ISFHLPVNSR                         | Q9D1D4 | 0.03371501 | N-term +28.03 Da,                          | 4553.42334  | 3 | 399.5599976 | 399.896142  |
| DEYCIQALPEFDGKR                    | P08113 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 4553.540527 | 2 | 948.460022  | 948.9616558 |
| SAAATSAVPAPNHQPEVFCNQIFINNEWHDAVSR | P47738 | 0          | N-term +28.03 Da, C +57.02 Da,             | 4556.28125  | 4 | 952.710022  | 952.2089539 |
| VVAGGPEVTLTPER                     | Q8CIM3 | 0          | N-term +28.03 Da,                          | 4556.476563 | 2 | 726.4000244 | 726.9064771 |
| SQAPGPSGKTADYAFEMAIVNSR            | Q8R0N6 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4558.227539 | 3 | 818.7399902 | 818.4091671 |
| SAAATSAVPAPNHQPEVFCNQIFINNEWHDAVSR | P47738 | 0          | N-term +28.03 Da, C +57.02 Da,             | 4560.532227 | 3 | 1269.939941 | 1269.27618  |
| LIFAGKQLEDGR                       | P0CG49 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4564.556641 | 3 | 467.9299927 | 468.2732786 |
| SAAATSAVPAPNHQPEVFCNQIFINNEWHDAVSR | P47738 | 0          | N-term +28.03 Da, C +57.02 Da,             | 4564.681152 | 3 | 1269.619995 | 1269.27618  |
| RPDAWGVTKGAAELMQKKEATTEQQLR        | O35490 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4566.655762 | 4 | 782.6599731 | 782.4145722 |
| LTDAPATTF AHLDATTVLSR              | P56480 | 0.0008244  | N-term +28.03 Da,                          | 4569.56543  | 3 | 742.7299805 | 742.7303461 |
| GETFQLMGLYGR                       | B5X0G2 | 0          | N-term +28.03 Da,                          | 4578.564941 | 2 | 700.8599854 | 700.3555653 |
| DQDEIDCLPLAKQPSFR                  | P16675 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 4582.454102 | 2 | 1072.530029 | 1073.035884 |
| YLELDTIKNLVR                       | P08113 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4584.245117 | 3 | 511.6400146 | 511.6397387 |
| DQDEIDCLPLAKQPSFR                  | P16675 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 4584.609863 | 2 | 1073.540039 | 1073.035884 |
| DQDEIDCLPLAKQPSFR                  | P16675 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 4589.445313 | 3 | 715.3499756 | 715.6930149 |
| VAGPQPAQTGAPQGSLGEYLFER            | P29391 | 0          | N-term +28.03 Da,                          | 4607.777832 | 2 | 1202.109985 | 1201.11097  |
| ASPGSPLEKLVSSVSDLPKR               | P54869 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4622.61377  | 4 | 538.8200073 | 538.5650465 |
| VAGPQPAQTGAPQGSLGEYLFER            | P29391 | 0          | N-term +28.03 Da,                          | 4623.484863 | 3 | 801.4099731 | 801.0764052 |
| MKTILSNQTVDIPENVEITLKGR            | P51410 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4639.200195 | 4 | 672.1300049 | 671.6320268 |
| RWEYCDIPR                          | P20918 | 0.00937275 | N-term +28.03 Da, C +57.02 Da,             | 4641.27832  | 2 | 661.3200073 | 661.8191497 |
| VLSGEDKSNIAAWGKIGGHGAEYGAEALER     | P01942 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4646.69043  | 4 | 832.1900024 | 832.1939406 |
| VHLTDAEKAASVCLW                    | P02088 | 0.00948905 | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 4646.907227 | 2 | 878.9500122 | 878.4585513 |
| ASPGSPLEKLVSSVSDLPKR               | P54869 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4653.332031 | 4 | 538.5656738 | 538.5650465 |
| VDLTSKVSVISVEEPPQR                 | Q9DCW4 | 0.03607595 | N-term +28.03 Da, K +28.03 Da,             | 4655.866699 | 2 | 1020.559998 | 1020.072792 |
| VLSGEDKSNIAAWGKIGGHGAEYGAEALER     | P01942 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4656.039551 | 3 | 1109.25     | 1109.256162 |
| VLSGEDKSNIAAWGKIGGHGAEYGAEALER     | P01942 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4657.521973 | 3 | 1108.910034 | 1109.256162 |
| WGVTKGAAELMQKKEATTEQQLR            | O35490 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4659.228027 | 3 | 897.1300049 | 896.4776927 |
| WGVTKGAAELMQKKEATTEQQLR            | O35490 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4660.875977 | 3 | 896.460022  | 896.4776927 |
| IVVGIKLDQGGAPLAGTNKETTIIQGLDGLSER  | Q91Y97 | 0.00234742 | N-term +28.03 Da, K +28.03 Da,             | 4663.297852 | 4 | 834.4699707 | 834.4699734 |
| TVSLHLGVTPSVLR                     | O89023 | 0.00923952 | N-term +28.03 Da,                          | 4672.338867 | 2 | 753.9500122 | 753.9537613 |
| ASKTPVGFIGNMGNPMAK                 | Q99L13 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4673.939941 | 2 | 1037.050049 | 1037.563025 |
| DDIAALVVDNGSGMCKAGFAGDDAPR         | P60710 | 0.0053313  | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 4676.32666  | 3 | 893.75      | 893.4231482 |

|                                    |        |            |                                |             |   |             |             |
|------------------------------------|--------|------------|--------------------------------|-------------|---|-------------|-------------|
| VLSGEDKSNIAAWGKIGGHGAEGAEALER      | P01942 | 0          | N-term +28.03 Da, K +28.03 Da, | 4677.212891 | 4 | 832.1900024 | 832.1939406 |
| SAAATSAVPAPNHQPEVFCNQIFINNEWHDAVSR | P47738 | 0          | N-term +28.03 Da, C +57.02 Da, | 4679.339355 | 4 | 952.710022  | 952.2089539 |
| LLVVYPWTQR                         | P02088 | 0          | N-term +28.03 Da,              | 4680.624023 | 2 | 652.3800049 | 651.8820755 |
| SSPSAKDIKKILDSVIGIEADDDR           | P99027 | 0          | N-term +28.03 Da, K +28.03 Da, | 4682.70166  | 4 | 643.8499756 | 643.6023582 |
| GVVDSDDLPLNVSR                     | P08113 | 0.02325581 | N-term +28.03 Da,              | 4683.450684 | 2 | 758.4099731 | 757.3964741 |
| GASIVEDKLVEDLKTR                   | P26443 | 0          | N-term +28.03 Da, K +28.03 Da, | 4686.638672 | 3 | 619.6900024 | 619.6945726 |
| GASIVEDKLVEDLKTR                   | P26443 | 0          | N-term +28.03 Da, K +28.03 Da, | 4689.922363 | 3 | 619.6834106 | 619.6945726 |
| MPFVELETNLPASR                     | O35215 | 0.02134757 | N-term +28.03 Da,              | 4694.706055 | 3 | 544.6199951 | 544.6202386 |
| KNLNQALLDLHALGSAR                  | P29391 | 0          | N-term +28.03 Da, K +28.03 Da, | 4695.541504 | 3 | 630.6900024 | 630.7021726 |
| MPFVELETNLPASR                     | O35215 | 0          | N-term +28.03 Da,              | 4704.51709  | 2 | 816.425354  | 816.4267197 |
| SMSRPDAWGVTKGAAELMQQKEATTEQQLR     | O35490 | 0.00083822 | N-term +28.03 Da, K +28.03 Da, | 4706.423828 | 4 | 859.1799927 | 858.690708  |
| HGDLAFVDVDPNDSSFQIVKNPR            | Q61176 | 0          | N-term +28.03 Da, K +28.03 Da, | 4706.589355 | 3 | 838.4299927 | 837.7712046 |
| NDVITVQTPAFAESVTEGDVR              | Q9D2G2 | 0          | N-term +28.03 Da,              | 4706.688965 | 2 | 1139.079956 | 1138.573886 |
| LQFWTETLPR                         | Q63880 | 0          | N-term +28.03 Da,              | 4711.578613 | 2 | 660.3599854 | 659.8613404 |
| NDVITVQTPAFAESVTEGDVR              | Q9D2G2 | 0          | N-term +28.03 Da,              | 4713.268066 | 3 | 759.7199707 | 759.3850161 |
| SSPSAKDIKKILDSVIGIEADDDR           | P99027 | 0          | N-term +28.03 Da, K +28.03 Da, | 4714.172852 | 4 | 643.5999756 | 643.6023582 |
| MKVFTGGLPAEGR                      | Q91Z53 | 0          | N-term +28.03 Da, K +28.03 Da, | 4714.556641 | 2 | 778.9400024 | 779.4447147 |
| NDVITVQTPAFAESVTEGDVR              | Q9D2G2 | 0          | N-term +28.03 Da,              | 4720.964844 | 2 | 1138.57312  | 1138.573886 |
| AWGVTKGAAELMQQKEATTEQQLR           | O35490 | 0          | N-term +28.03 Da, K +28.03 Da, | 4723.40625  | 3 | 920.4799805 | 920.1567308 |
| SAAATSAVPAPNHQPEVFCNQIFINNEWHDAVSR | P47738 | 0          | N-term +28.03 Da, C +57.02 Da, | 4725.224609 | 4 | 952.7000122 | 952.2089539 |
| GDPKEEEEEELVDPLTTVR                | P99028 | 0.04135802 | N-term +28.03 Da, K +28.03 Da, | 4735.262207 | 3 | 748.0300293 | 747.7092771 |
| GDPKEEEEEELVDPLTTVR                | P99028 | 0          | N-term +28.03 Da, K +28.03 Da, | 4738.550293 | 2 | 1121.540039 | 1121.060277 |
| AWGVTKGAAELMQQKEATTEQQLR           | O35490 | 0          | N-term +28.03 Da, K +28.03 Da, | 4738.63623  | 3 | 920.1400146 | 920.1567308 |
| VDEYLAWQHTGLR                      | Q64471 | 0.0016129  | N-term +28.03 Da,              | 4741.613281 | 2 | 808.4000244 | 808.4150007 |
| DHGDLAFVDVDPNDSSFQIVKNPR           | Q61176 | 0          | N-term +28.03 Da, K +28.03 Da, | 4743.380859 | 3 | 875.7700195 | 876.1135193 |
| VLSGEDKSNIAAWGK                    | P01942 | 0.00161031 | N-term +28.03 Da, K +28.03 Da, | 4743.94873  | 3 | 605.3400269 | 605.6840076 |
| LEINPDHPIVETLR                     | P11499 | 0          | N-term +28.03 Da,              | 4747.820313 | 2 | 837.460022  | 837.4646909 |
| TQPTDEEMLFYSH                      | P31786 | 0          | N-term +28.03 Da,              | 4755.195313 | 2 | 869.9000244 | 869.9032751 |
| GDPKEEEEEELVDPLTTVR                | P99028 | 0.03810119 | N-term +28.03 Da, K +28.03 Da, | 4757.144531 | 3 | 747.3599854 | 747.7092771 |
| KGVDEATIIDLTKR                     | P10107 | 0.00942029 | N-term +28.03 Da, K +28.03 Da, | 4761.694336 | 3 | 586.0200195 | 586.0241413 |
| LKAADTIGYPMIR                      | Q8C196 | 0          | N-term +28.03 Da, K +28.03 Da, | 4767.641113 | 2 | 802.4500122 | 802.4656473 |
| SAAATSAVPAPNHQPEVFCNQIFINNEWHDAVSR | P47738 | 0          | N-term +28.03 Da, C +57.02 Da, | 4778.162109 | 4 | 952.210022  | 952.2089539 |
| SAAATSAVPAPNHQPEVFCNQIFINNEWHDAVSR | P47738 | 0          | N-term +28.03 Da, C +57.02 Da, | 4778.491699 | 3 | 1269.599976 | 1269.27618  |
| IADQCPSLAIQENANALAR                | Q91Y97 | 0          | N-term +28.03 Da, C +57.02 Da, | 4778.839844 | 2 | 1086.060059 | 1085.54969  |
| GLLLGDEAPNFEANTTIGR                | O08709 | 0          | N-term +28.03 Da,              | 4783.520996 | 2 | 1009.530029 | 1008.523467 |
| SAAATSAVPAPNHQPEVFCNQIFINNEWHDAVSR | P47738 | 0          | N-term +28.03 Da, C +57.02 Da, | 4785.756348 | 3 | 1268.930054 | 1269.27618  |
| GLLLGDEAPNFEANTTIGR                | O08709 | 0          | N-term +28.03 Da,              | 4787.725098 | 2 | 1008.52002  | 1008.523467 |
| GGLLLGDEAPNFEANTTIGR               | O08709 | 0          | N-term +28.03 Da,              | 4793.585449 | 2 | 1037.035156 | 1037.034199 |
| SHELSDFGLESTTGEVPPVAIR             | P27773 | 0          | N-term +28.03 Da,              | 4795.373047 | 3 | 791.4099731 | 791.0761825 |
| LTAEILELAGNAAR                     | P22752 | 0          | N-term +28.03 Da,              | 4800.722168 | 2 | 735.4199829 | 735.4197517 |

|                                       |        |            |  |             |   |             |             |
|---------------------------------------|--------|------------|--|-------------|---|-------------|-------------|
| AVRPLQLLGTCAELCR                      | Q8BTE6 | 0          | N-term +28.03 Da, C +57.02 Da,             | 4812.693848 | 3 | 628.6699829 | 629.0097317 |
| ALKAADTIGYPVMIR                       | Q8C196 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4822.260742 | 2 | 838.4699707 | 837.9842044 |
| LLPPDLPDLEPECR                        | Q8BGTO | 0          | N-term +28.03 Da, C +57.02 Da,             | 4825.353516 | 2 | 846.4400024 | 846.4372847 |
| MKFNPFVTSDR                           | P61255 | 0.01251739 | N-term +28.03 Da, K +28.03 Da,             | 4825.539063 | 2 | 699.3599854 | 699.3659329 |
| EGDVLTLLESER                          | P62858 | 0          | N-term +28.03 Da,                          | 4829.439941 | 2 | 694.8699951 | 694.867018  |
| EAPDFEANTTIGR                         | Q8BG37 | 0          | N-term +28.03 Da,                          | 4829.824219 | 2 | 725.8599854 | 724.854442  |
| SDFGLESTTGEVPVVAIR                    | P27773 | 0          | N-term +28.03 Da,                          | 4832.864746 | 2 | 953.5       | 953.0018356 |
| LLPPDLPDLEPECR                        | Q8BGTO | 0          | N-term +28.03 Da, C +57.02 Da,             | 4837.075684 | 2 | 847.4400024 | 846.4372847 |
| TTIAGVVYKDGIVLGADTR                   | P70195 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4843.751465 | 2 | 1002.559998 | 1003.070052 |
| HPLFTFLR                              | P11352 | 0.02004008 | N-term +28.03 Da,                          | 4859.22168  | 2 | 529.2999878 | 529.8109212 |
| APATTFAHLDATTVLSR                     | P56480 | 0          | N-term +28.03 Da,                          | 4863.320801 | 2 | 900.4699707 | 900.486155  |
| LLPPDLPDLEPECR                        | Q8BGTO | 0          | N-term +28.03 Da, C +57.02 Da,             | 4868.330078 | 2 | 846.9400024 | 846.4372847 |
| PGGLLLGDEAPNFEANTTIGR                 | O08709 | 0          | N-term +28.03 Da,                          | 4873.595215 | 2 | 1085.550049 | 1085.560581 |
| LATALQKLEEAKEAASESER                  | P21107 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4875.125977 | 3 | 762.7399902 | 762.7444329 |
| VSLHLGVTPSVLR                         | O89023 | 0.04189435 | N-term +28.03 Da,                          | 4876.035645 | 2 | 702.9199829 | 703.4299217 |
| APATTFAHLDATTVLSR                     | P56480 | 0.02579365 | N-term +28.03 Da,                          | 4885.342773 | 2 | 901.4799805 | 900.486155  |
| ASEAIKAVVGIDLGTNSCVAVMEGKQAKVLENAEGAR | P38647 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 4887.903809 | 4 | 1014.789978 | 1014.792157 |
| AGLLEKLEKETEYDVR                      | Q61176 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4891.118164 | 3 | 617.0100098 | 616.6874179 |
| ASEAIKAVVGIDLGTNSCVAVMEGKQAKVLENAEGAR | P38647 | 0.00161812 | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 4893.92334  | 3 | 1352.719971 | 1352.72045  |
| APVIEPSGPELVVEPGETVTLR                | P09581 | 0          | N-term +28.03 Da,                          | 4901.546875 | 2 | 1159.140015 | 1159.136122 |
| APVIEPSGPELVVEPGETVTLR                | P09581 | 0          | N-term +28.03 Da,                          | 4903.425293 | 3 | 773.0947876 | 773.0931733 |
| PGGLLLGDEAPNFEANTTIGR                 | O08709 | 0          | N-term +28.03 Da,                          | 4905.58252  | 2 | 1085.550049 | 1085.560581 |
| PGGLLLGDEAPNFEANTTIGR                 | O08709 | 0          | N-term +28.03 Da,                          | 4909.998047 | 2 | 1086.560059 | 1085.560581 |
| TVINLNPFEVIKQR                        | Q9WTP7 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4916.962891 | 3 | 609.3699951 | 609.3681306 |
| DVITVQTPAFAESVTEGDVR                  | Q9D2G2 | 0          | N-term +28.03 Da,                          | 4917.333984 | 3 | 721.3800049 | 721.3707067 |
| QLTSEDMKVLDDLKNIR                     | P70694 | 0.00084388 | N-term +28.03 Da, K +28.03 Da,             | 4918.678711 | 3 | 739.3900146 | 739.4033531 |
| DVITVQTPAFAESVTEGDVR                  | Q9D2G2 | 0          | N-term +28.03 Da,                          | 4921.813477 | 2 | 1081.550049 | 1081.552422 |
| LWAKVNPDEVGGEALGR                     | P02089 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4923.396973 | 2 | 933.989624  | 934.0072546 |
| ASEAIKAVVGIDLGTNSCVAVMEGKQAKVLENAEGAR | P38647 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 4925.456055 | 4 | 1014.539978 | 1014.792157 |
| VVLPMEPIR                             | P00405 | 0          | N-term +28.03 Da,                          | 4927.214844 | 2 | 597.8699951 | 597.8675793 |
| SDVLELTDENFESR                        | P27773 | 0          | N-term +28.03 Da,                          | 4938.241211 | 2 | 841.3900146 | 841.3994117 |
| VSCLWGKVNNSDEVGGEALGR                 | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 4941.801758 | 2 | 1095.550049 | 1095.054608 |
| ADEIAKAQVAQPGGDTIFGKIIR               | P70349 | 0.04452467 | N-term +28.03 Da, K +28.03 Da,             | 4946.885254 | 3 | 828.1300049 | 828.1391168 |
| AESGGSRAALQVPHAVGAVKELRP              | F7CK47 | 0.00232739 | N-term +28.03 Da, K +28.03 Da,             | 4952.241699 | 3 | 843.1400146 | 843.1416317 |
| KVYDLTKFLEEHPGGEEVLR                  | P56395 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4952.62793  | 4 | 611.8300171 | 611.5862449 |
| KVYDLTKFLEEHPGGEEVLR                  | P56395 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4955.557129 | 4 | 611.5800171 | 611.5862449 |
| VHLTDAEKAASVCLWGKVNNSDEVGGEALGR       | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 4955.669922 | 4 | 814.4299927 | 813.922496  |
| IIVYMERLARGLSICTSLLTVVQAIISPR         | Q8R278 | 0.03910615 | N-term +28.03 Da, C +57.02 Da,             | 4955.800781 | 3 | 1167.319946 | 1167.673494 |
| VHLTDAEKAASVCLWGKVNNSDEVGGEALGR       | P02088 | 0.00234192 | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 4955.925781 | 3 | 1085.22998  | 1084.894236 |
| TGAIVDVVPVGEELLGR                     | Q03265 | 0          | N-term +28.03 Da,                          | 4963.195313 | 2 | 826.9699707 | 826.9645239 |



|                                  |        |            |  |             |   |             |             |
|----------------------------------|--------|------------|--|-------------|---|-------------|-------------|
| ASASSTNLKDVLSNLPKEQAR            | Q9CZU6 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4968.179199 | 3 | 809.1199951 | 809.4586267 |
| LNLPEWDWR                        | P97821 | 0.02006689 | N-term +28.03 Da,                          | 4973.145508 | 2 | 672.3388672 | 672.3407723 |
| DAWGVTKGAAELMQQKEATTEQQLR        | O35490 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4975.522949 | 3 | 958.8200073 | 958.4990455 |
| AVSCLWGVNSDEVGGGALGR             | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 4975.922363 | 2 | 1131.060059 | 1130.573165 |
| NDVITVQTPAFAESVTEGDVR            | Q9D2G2 | 0          | N-term +28.03 Da,                          | 4983.428223 | 2 | 1139.069946 | 1138.573886 |
| DAWGVTKGAAELMQQKEATTEQQLR        | O35490 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4985.040039 | 3 | 958.4899902 | 958.4990455 |
| SAKVSDAISTQYPVVDHEFDVAVVGAGGAGLR | Q8K2B3 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4985.326172 | 4 | 818.9299927 | 818.6793948 |
| NDVITVQTPAFAESVTEGDVR            | Q9D2G2 | 0          | N-term +28.03 Da,                          | 4989.225586 | 3 | 760.0499878 | 759.3850161 |
| VVFTDEMAHFDR                     | P24270 | 0.00528701 | N-term +28.03 Da,                          | 4989.487793 | 2 | 748.3699951 | 747.8559298 |
| SQAPGPSGKTADYAFEMAVSNIR          | Q8R0N6 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4992.019531 | 2 | 1226.599976 | 1227.110112 |
| ELDPVQKLFVDKIR                   | P97450 | 0          | N-term +28.03 Da, K +28.03 Da,             | 4997.794922 | 3 | 595.3499756 | 595.3608646 |
| APLVLEQGLR                       | P54869 | 0.00236407 | N-term +28.03 Da,                          | 4998.933594 | 2 | 562.3443604 | 562.3453258 |
| DAGEFVDLYVPR                     | Q9CQR2 | 0          | N-term +28.03 Da,                          | 5008.849121 | 2 | 704.8599854 | 704.8589955 |
| DPGVVDNFPLLK                     | P30115 | 0.01563562 | N-term +28.03 Da, K +28.03 Da,             | 5011.567383 | 2 | 685.8900146 | 685.3899311 |
| VHLTDAEKAASVCLWGVNSDEVGGGALGR    | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5017.294434 | 4 | 814.4299927 | 813.922496  |
| VHLTDAEKAASVCLWGVNSDEVGGGALGR    | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5017.754395 | 3 | 1085.550049 | 1084.894236 |
| VHLTDAEKAASVCLWGVNSDEVGGGALGR    | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5018.529785 | 3 | 1085.219971 | 1084.894236 |
| AIDQMWLPVVR                      | Q9DBJ1 | 0.00595681 | N-term +28.03 Da,                          | 5021.416504 | 2 | 678.3699951 | 678.3788429 |
| DLTDPAPATTFAHLDAVVLSR            | P56480 | 0          | N-term +28.03 Da,                          | 5047.852051 | 3 | 781.7399902 | 781.0726608 |
| VHLTDAEKAASVCLWGVNSDEVGGGALGR    | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5049.155273 | 4 | 813.9217529 | 813.922496  |
| VHLTDAEKAASVCLWGVNSDEVGGGALGR    | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5049.230957 | 3 | 1084.892578 | 1084.894236 |
| MSTGTFVVSQPLNYR                  | Q9JLJ2 | 0          | N-term +28.03 Da,                          | 5051.343262 | 2 | 864.4400024 | 864.4429012 |
| KDLYANNVLSGGTMYPGIADR            | P62737 | 0.04112953 | N-term +28.03 Da, K +28.03 Da,             | 5053.654297 | 3 | 804.4000244 | 804.7457791 |
| GDTITNTMTLGDIVYKR                | P12710 | 0.00462963 | N-term +28.03 Da, K +28.03 Da,             | 5055.618652 | 2 | 977.5       | 977.5193381 |
| LGLEAEKDGVPVFKFPR                | Q8R0Y6 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5061.936523 | 3 | 663.3800049 | 662.7189407 |
| IIGGSMDAKGSFPWQAK                | Q61646 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5062.914063 | 2 | 938.9899902 | 939.003126  |
| DTITNTMTLGDIVYKR                 | P12710 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5071.657715 | 2 | 948.9899902 | 949.008606  |
| TFLGGEDFDQALLR                   | P38647 | 0          | N-term +28.03 Da,                          | 5078.240723 | 2 | 805.9199829 | 805.4146667 |
| EDVQETDTSQKQSPASHEIATNLGDFAIPLYR | P07758 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5085.023438 | 4 | 931.4500122 | 931.2011552 |
| VHLTDAEKAASVCLWGVNSDEVGGGALGR    | P02088 | 0.00081566 | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5088.484375 | 3 | 1085.219971 | 1084.894236 |
| TLVGYDLVPEPK                     | P12787 | 0.00084459 | N-term +28.03 Da, K +28.03 Da,             | 5093.036621 | 2 | 693.3900146 | 693.8975891 |
| VNFTVDQIR                        | P58252 | 0.00081833 | N-term +28.03 Da,                          | 5095.474609 | 2 | 559.7999878 | 560.3114832 |
| SALELTEEELATAEAVR                | Q8R0Y6 | 0          | N-term +28.03 Da,                          | 5099.773438 | 3 | 620.6599731 | 620.6580762 |
| KSPIFGPQEVSSIEGDSVSITCYPPDTSVNR  | O70570 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5100.619141 | 3 | 1164.22998  | 1163.567855 |
| LDVAVLVGSMPR                     | P14152 | 0          | N-term +28.03 Da,                          | 5100.883789 | 2 | 643.3699951 | 642.8708509 |
| IAELGIYPAVDPLDSTSR               | P56480 | 0.03078897 | N-term +28.03 Da,                          | 5107.310547 | 2 | 973.5200195 | 973.0174857 |
| VHLTDAEKSAVSLWAKVNPDEVGGGALGR    | P02089 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5109.469238 | 4 | 824.1799927 | 823.930321  |
| VHLTDAEKSAVSLWAKVNPDEVGGGALGR    | P02089 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5112.577637 | 3 | 1098.900024 | 1098.238002 |
| LDPAFTPATGTPVLGGLSYR             | Q61176 | 0          | N-term +28.03 Da,                          | 5119.089355 | 2 | 1031.060059 | 1031.054402 |
| PDAWGVTKGAAELMQQKEATTEQQLR       | O35490 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5121.54248  | 3 | 991.5100098 | 990.8499669 |

|                                    |        |            |  |             |   |             |             |
|------------------------------------|--------|------------|--|-------------|---|-------------|-------------|
| PDAWGVTKGAAELMQQKEATTEQQLR         | O35490 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5126.06543  | 3 | 990.5       | 990.8499669 |
| VLSGGTTMYPGIADR                    | P60710 | 0          | N-term +28.03 Da,                          | 5131.094727 | 2 | 783.3900146 | 783.4032446 |
| EFTLGEECELETMTGEKVK                | P12710 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5137.84668  | 3 | 771.710022  | 772.0446147 |
| VHLTDAEKSAVSLWAKVNPDEVGGEALGR      | P02089 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5140.269531 | 4 | 824.1799927 | 823.930321  |
| SQSLFVDIPSKIICR                    | Q64374 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5140.825195 | 3 | 645.039978  | 644.7044143 |
| VHLTDAEKSAVSLWAKVNPDEVGGEALGR      | P02089 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5144.788086 | 3 | 1098.900024 | 1098.238002 |
| SVTELNGDTITNTMTLGDIVYKR            | P12710 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5158.862305 | 3 | 866.7800293 | 866.454554  |
| GLDPAFTPATGTPVLGGLSYR              | Q61176 | 0          | N-term +28.03 Da,                          | 5162.451172 | 3 | 707.3800049 | 706.712515  |
| GLDPAFTPATGTPVLGGLSYR              | Q61176 | 0          | N-term +28.03 Da,                          | 5162.550781 | 2 | 1060.569946 | 1059.565134 |
| AVLDLDPDLPEDELAR                   | Q9JKR6 | 0          | N-term +28.03 Da,                          | 5167.083008 | 2 | 847.9500122 | 847.4539894 |
| SPASHEIATNLGDFAIISLYR              | P07758 | 0          | N-term +28.03 Da,                          | 5186.52832  | 3 | 730.710022  | 730.7111744 |
| VSPSPVDPAPVPPVPIGPPAGFR            | Q05920 | 0          | N-term +28.03 Da,                          | 5190.616211 | 2 | 1141.140015 | 1140.641176 |
| VKLTALIEQAAQYTNAVR                 | P57784 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5191.882813 | 3 | 725.7399902 | 725.4108362 |
| VSPSPVDPAPVPPVPIGPPAGFR            | Q05920 | 0          | N-term +28.03 Da,                          | 5192.402832 | 3 | 760.7600098 | 760.7632096 |
| VHTGDRPFK                          | Q8K2R5 | 0.0343075  | N-term +28.03 Da, K +28.03 Da,             | 5208.897949 | 2 | 557.3099976 | 556.8141927 |
| VHLTDAEKAASVSLWGKVNDSDEVGGEALGR    | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5210.09375  | 4 | 814.4199829 | 813.922496  |
| APSQLALFSVSDKTGLVEFAR              | Q9CWJ9 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5220.578125 | 3 | 764.7562866 | 764.7581246 |
| SLLFVDIPSKIICR                     | Q64374 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5220.774414 | 3 | 573.3400269 | 573.0075451 |
| EGEPEVTDQLEWQSNQPWEQALNR           | P08226 | 0          | N-term +28.03 Da,                          | 5225.671387 | 2 | 1456.180054 | 1456.178299 |
| EGEPEVTDQLEWQSNQPWEQALNR           | P08226 | 0          | N-term +28.03 Da,                          | 5226.583496 | 3 | 971.4500122 | 971.1212917 |
| GVDLLADAVAVTMGPKGR                 | P63038 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5231.466309 | 3 | 609.6799927 | 609.3449975 |
| DIVLTQSPASLAVSLGQR                 | P01654 | 0          | N-term +28.03 Da,                          | 5241.282227 | 3 | 628.6900024 | 628.3580719 |
| DIVLTQSPASLAVSLGQR                 | P01654 | 0          | N-term +28.03 Da,                          | 5244.323242 | 2 | 942.0300293 | 942.0334697 |
| VHLTDAEKSAVSLW                     | P02089 | 0.04194529 | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5249.932129 | 2 | 886.4400024 | 886.4560088 |
| LAALGGNSSPSAKDIKKILDSVGIEADDDR     | P99027 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5250.84082  | 4 | 792.9299927 | 792.6844116 |
| SITTIIDTFHQY                       | P31725 | 0.00160901 | N-term +28.03 Da,                          | 5252.46875  | 2 | 733.3699951 | 733.879928  |
| DEPQSQWDKVKDFANVYVDAVKDSGR         | Q00623 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5254.293945 | 4 | 778.1500244 | 777.8963754 |
| GPSQMALEDLAMFR                     | P40142 | 0          | N-term +28.03 Da,                          | 5254.528809 | 2 | 797.8900146 | 797.3918224 |
| GDTFLGGEDFDQALLR                   | P38647 | 0          | N-term +28.03 Da,                          | 5259.041016 | 2 | 891.9400024 | 891.4388708 |
| GDTFLGGEDFDQALLR                   | P38647 | 0          | N-term +28.03 Da,                          | 5260.491699 | 2 | 892.4500122 | 891.4388708 |
| WKAFNTCASHLMAVTMLFGTALFMYLR        | Q8VfV2 | 0.04400241 | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5263.193848 | 3 | 1079.880005 | 1079.54752  |
| PTGGAGAVAMLIIGPKAPLVLEQGLR         | P54869 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5263.521973 | 2 | 1237.209961 | 1236.722175 |
| LKPFETLLAQNR                       | F6RWR5 | 0.00530303 | N-term +28.03 Da, K +28.03 Da,             | 5269.522949 | 2 | 743.4299927 | 743.4430293 |
| NDVITVQTPAFAESVTEGDVR              | Q9D2G2 | 0          | N-term +28.03 Da,                          | 5275.291504 | 3 | 759.710022  | 759.3850161 |
| ILNLPESWDWR                        | P97821 | 0.03057905 | N-term +28.03 Da,                          | 5277.214355 | 2 | 728.8816528 | 728.8828045 |
| NDVITVQTPAFAESVTEGDVR              | Q9D2G2 | 0          | N-term +28.03 Da,                          | 5277.580566 | 2 | 1139.069946 | 1138.573886 |
| AIAELGIYPAVDPLDSTS                 | P56480 | 0          | N-term +28.03 Da,                          | 5277.793457 | 2 | 1009.039978 | 1008.536043 |
| AIAELGIYPAVDPLDSTS                 | P56480 | 0          | N-term +28.03 Da,                          | 5285.288574 | 2 | 1009.549988 | 1008.536043 |
| AQTGAPQGSGLGEYLFER                 | P29391 | 0          | N-term +28.03 Da,                          | 5288.781738 | 2 | 926.4500122 | 926.4654199 |
| SAKVSDAISTQYPPVVDHEFDVAVVVGAGGAGLR | Q8K2B3 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5296.841797 | 3 | 1091.569946 | 1091.236768 |

|                                    |        |            |  |             |   |             |             |
|------------------------------------|--------|------------|--|-------------|---|-------------|-------------|
| VHLTDAEKA AVSCLWGKVN               | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5297.038574 | 3 | 728.0499878 | 728.0611497 |
| ASAKVSDAISTQYPVVDHEFD AVVVGAGGAGLR | Q8K2B3 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5300.761719 | 3 | 1114.579956 | 1114.915806 |
| ASAKVSDAISTQYPVVDHEFD AVVVGAGGAGLR | Q8K2B3 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5304.012695 | 4 | 836.1900024 | 836.4386733 |
| NDVITVQTPAFAESVTEGDV R             | Q9D2G2 | 0          | N-term +28.03 Da,                          | 5308.757813 | 2 | 1139.560059 | 1138.573886 |
| ASAKVSDAISTQYPVVDHEFD AVVVGAGGAGLR | Q8K2B3 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5309.046875 | 3 | 1114.910034 | 1114.915806 |
| CEGALELHTHYLIPSLR                  | Q91ZV8 | 0.00936599 | N-term +28.03 Da, C +57.02 Da,             | 5310.430664 | 3 | 679.6900024 | 679.6910565 |
| AILEDLVFPSEIVGKR                   | P62082 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5311.428223 | 3 | 614.7000122 | 614.6960246 |
| FLAYDILDQYR                        | P10649 | 0.00927909 | N-term +28.03 Da,                          | 5324.408203 | 2 | 723.3800049 | 722.877188  |
| GPQPAQTGAPQGS LG EYLFER            | P29391 | 0          | N-term +28.03 Da,                          | 5324.976074 | 2 | 1116.540039 | 1116.058205 |
| DLTDPAPATTF AHL DATTVLSR           | P56480 | 0.00529501 | N-term +28.03 Da,                          | 5325.493164 | 2 | 1171.599976 | 1171.105353 |
| ASAKVSDAISTQYPVVDHEFD AVVVGAGGAGLR | Q8K2B3 | 0.0372005  | N-term +28.03 Da, K +28.03 Da,             | 5335.106445 | 4 | 836.4400024 | 836.4386733 |
| AALGGNSSPSAKDIKKILDSV GIEADDDR     | P99027 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5336.17041  | 4 | 764.6599731 | 764.4133955 |
| VLSGEDKSNIAAWGKIGGHGA EYGAEALER    | P01942 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5337.122559 | 4 | 832.1799927 | 832.1939406 |
| ILGMD ELSEEDKLT VSR                | P56480 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5342.158203 | 2 | 996.003479  | 996.0219111 |
| MKTILSNQTV DIP ENVEITL KGR         | P51410 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5344.943359 | 3 | 895.1699829 | 895.1736102 |
| SPGSPLEKLVSSVSDL PKR               | P54869 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5345.056641 | 3 | 694.7299805 | 694.0719318 |
| FQSGQVLSALPR                       | Q9JHH6 | 0          | N-term +28.03 Da,                          | 5348.286133 | 2 | 665.3699951 | 665.877522  |
| ASAKVSDAISTQYPVVDHEFD AVVVGAGGAGLR | Q8K2B3 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5352.672852 | 3 | 1114.569946 | 1114.915806 |
| KFEELNMDLFR                        | P20029 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5354.563477 | 2 | 749.4000244 | 749.392148  |
| IDEIVLVGGSTR                       | P20029 | 0.0023753  | N-term +28.03 Da,                          | 5355.325684 | 2 | 643.8800049 | 643.869363  |
| DPAIYFKEQFLDGD AW TNR              | P14211 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5356.34082  | 3 | 782.0499878 | 781.3865794 |
| VKVLGTSVESIMATEDR                  | Q8C196 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5357.439453 | 2 | 946.5       | 946.0138885 |
| SITTIIDTFHQY                       | P31725 | 0          | N-term +28.03 Da,                          | 5360.410645 | 2 | 733.8778076 | 733.879928  |
| VHLTDAEKA AVSCLWGK VNSDEVGGEALGR   | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5364.465332 | 3 | 1085.219971 | 1084.894236 |
| DPAIYFKEQFLDGD AW TNR              | P14211 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5366.339844 | 2 | 1172.079956 | 1171.576231 |
| DPAIYFKEQFLDGD AW TNR              | P14211 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5370.453613 | 2 | 1172.579956 | 1171.576231 |
| ASPGSPLEKLVSSVSDL PKR              | P54869 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5372.342773 | 3 | 717.7399902 | 717.7509699 |
| PQPAQTGAPQGS LG EYLFER             | P29391 | 0          | N-term +28.03 Da,                          | 5372.833008 | 2 | 1088.030029 | 1087.547473 |
| ILGMD ELSEEDKLT VSR                | P56480 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5373.390625 | 2 | 997.0100098 | 996.0219111 |
| VHLTDAEKA AVSCLWGK VNSDEVGGEALGR   | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5377.802246 | 4 | 813.6699829 | 813.922496  |
| ADLPALPGGPAGGTGELAKYGLPGVAQLR      | O08600 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5379.481934 | 3 | 935.5200195 | 934.855269  |
| VHLTDAEKA AVSCLWGK VNSDEVGGEALGR   | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5381.217773 | 4 | 814.4199829 | 813.922496  |
| VSELFADKVPKTAENFR                  | P17742 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5381.316406 | 3 | 727.7299805 | 728.0684101 |
| DPAIYFKEQFLDGD AW TNR              | P14211 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5388.541504 | 3 | 781.7199707 | 781.3865794 |
| GD LAFVDVPNDSS FQVKNPR             | Q61176 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5394.63916  | 3 | 792.4099731 | 792.0849005 |
| DPAIYFKEQFLDGD AW TNR              | P14211 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5400.729492 | 2 | 1171.57312  | 1171.576231 |
| VSCLWAKVNPDEVGGEALGR               | P02089 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5413.828125 | 2 | 1107.560059 | 1107.072801 |
| IIGGSM DAKGSFPWQAK                 | Q61646 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5415.674316 | 3 | 626         | 626.3378428 |
| DPAIYFKEQFLDGD AW TNR              | P14211 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5420.018066 | 3 | 781.3851929 | 781.3865794 |
| PILNALEVQGR                        | P56480 | 0.00082305 | N-term +28.03 Da,                          | 5431.990723 | 2 | 619.8685913 | 619.3667899 |

|                                  |        |            |  |             |   |             |             |
|----------------------------------|--------|------------|--|-------------|---|-------------|-------------|
| IVVGIKLDQGGAPLAGTNKETTIQGLDGLSER | Q91Y97 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5433.105469 | 3 | 1112.609985 | 1112.290872 |
| VHLTDAEKAASVSLWGKVNSEVGGALGR     | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5434.498047 | 4 | 814.1599731 | 813.922496  |
| TLVGYDLVPEPKIIDAALR              | P12787 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5434.587891 | 3 | 713.75      | 713.7523105 |
| DPAIYFKEQFLDGDWATNR              | P14211 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5434.706543 | 2 | 1172.079956 | 1171.576231 |
| IVVGIKLDQGGAPLAGTNKETTIQGLDGLSER | Q91Y97 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5435.168457 | 3 | 1112.949951 | 1112.290872 |
| PMFIVNTNVPR                      | P34884 | 0          | N-term +28.03 Da,                          | 5445.922363 | 2 | 658.3672485 | 658.3631928 |
| GFLDVVAALR                       | Q63880 | 0.00669643 | N-term +28.03 Da,                          | 5448.081543 | 2 | 545.3200073 | 544.8267688 |
| DPAIYFKEQFLDGDWATNR              | P14211 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5450.848145 | 3 | 781.7199707 | 781.3865794 |
| NDVITVQTPAFAESVTEGDVR            | Q9D2G2 | 0          | N-term +28.03 Da,                          | 5452.943848 | 2 | 1138.069946 | 1138.573886 |
| VLSGEDKSNIKAAW                   | P01942 | 0.00947522 | N-term +28.03 Da, K +28.03 Da,             | 5453.17627  | 2 | 800.960022  | 801.4485093 |
| DASPGSPLEKLVSSVSDLPKR            | P54869 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5455.888184 | 3 | 756.4199829 | 756.0932846 |
| VSCLWKGKVNSEVGGALGR              | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5456.470215 | 2 | 1095.550049 | 1095.054608 |
| VHLTDAEKAASVSLWGKVNSEVGGALGR     | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5456.973145 | 4 | 813.9099731 | 813.922496  |
| DEPQSQWDKVKDFANVYVDAVKDSGR       | Q00623 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5457.328613 | 4 | 777.6400146 | 777.8963754 |
| VDGLDPAFTPATGTPVLGGLSYR          | Q61176 | 0          | N-term +28.03 Da,                          | 5458.714844 | 2 | 1167.119995 | 1166.612814 |
| DWVIPPINLPENSR                   | P15116 | 0.00160643 | N-term +28.03 Da,                          | 5461.962402 | 2 | 839.960022  | 839.4515833 |
| TLVGYDLVPEPKIIDAALR              | P12787 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5464.940918 | 3 | 714.0900269 | 713.7523105 |
| ILEFFGLKKEECPAVR                 | P09103 | 0.0059657  | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5465.589355 | 3 | 674.3699951 | 674.048181  |
| LYSSDDVIELTPSNFNR                | Q922R8 | 0          | N-term +28.03 Da,                          | 5466.044922 | 2 | 1042.5      | 1043.01039  |
| TLGIETVGGVMTKLIPR                | P20029 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5468.836914 | 3 | 614.3699951 | 614.3691429 |
| DWVIPPINLPENSR                   | P15116 | 0          | N-term +28.03 Da,                          | 5469.648438 | 2 | 839.4500122 | 839.4515833 |
| LYSSDDVIELTPSNFNR                | Q922R8 | 0          | N-term +28.03 Da,                          | 5470.09375  | 2 | 1043        | 1043.01039  |
| VHLTDAEKAASVSLWGKVNSEVGGALGR     | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5473.102539 | 3 | 1084.880005 | 1084.894236 |
| DPAIYFKEQFLDGDWATNR              | P14211 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5477.996582 | 3 | 782.0700073 | 781.3865794 |
| TGEAIVDAALSALR                   | Q922R8 | 0          | N-term +28.03 Da,                          | 5478.811035 | 2 | 708.4000244 | 707.8986521 |
| TLGIETVGGVMTKLIPR                | P20029 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5480.23877  | 3 | 614.7000122 | 614.3691429 |
| IIGGSMDAKGSFPWQAK                | Q61646 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5481.067871 | 3 | 626         | 626.3378428 |
| TGEAIVDAALSALR                   | Q922R8 | 0          | N-term +28.03 Da,                          | 5481.625977 | 2 | 707.9000244 | 707.8986521 |
| TPEIAGLTPSQALEIIR                | A2AS89 | 0.00601956 | N-term +28.03 Da,                          | 5482.135254 | 2 | 919.5300293 | 919.0251132 |
| DWVIPPINLPENSR                   | P15116 | 0          | N-term +28.03 Da,                          | 5483.462891 | 3 | 560.2999878 | 559.9701477 |
| DPAIYFKEQFLDGDWATNR              | P14211 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5484.445801 | 3 | 782.0499878 | 781.3865794 |
| VHLTDAEKAASVSLWGKVNSEVGGALGR     | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5489.064941 | 4 | 814.4099731 | 813.922496  |
| DEPQSQWDKVKDFANVYVDAVKDSGR       | Q00623 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5489.179688 | 4 | 777.6400146 | 777.8963754 |
| ITFDEIVNIAR                      | P35979 | 0.02013423 | N-term +28.03 Da,                          | 5489.367188 | 2 | 660.3699951 | 659.8719055 |
| LYSSDDVIELTPSNFNR                | Q922R8 | 0.00934579 | N-term +28.03 Da,                          | 5491.021973 | 3 | 695.3400269 | 695.6760186 |
| VNPTVFFDITADDEPLGR               | P17742 | 0          | N-term +28.03 Da,                          | 5491.14209  | 2 | 1018.52002  | 1017.512568 |
| DWVIPPINLPENSR                   | P15116 | 0          | N-term +28.03 Da,                          | 5501.084961 | 2 | 839.4514771 | 839.4515833 |
| VLISYDRFLSVTRAVSYRAQQGDTRRAVR    | P58406 | 0.04901375 | N-term +28.03 Da,                          | 5512.33252  | 3 | 1137.959961 | 1137.962194 |
| DIAFVDVDPNDSSFQIVKNPR            | Q61176 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5512.633789 | 2 | 1158.589966 | 1159.112981 |
| VHLTDAEKAASVSLWGKVNSEVGGALGR     | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5523.362305 | 4 | 814.4099731 | 813.922496  |

|                                     |        |            |  |             |   |             |             |
|-------------------------------------|--------|------------|--|-------------|---|-------------|-------------|
| VHLTDAEKA AVSCLWGK VNSDEVGGEALGR    | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5525.521973 | 3 | 1085.550049 | 1084.894236 |
| VHLTDAEKA AVSCLWGK VNSDEVGGEALGR    | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5525.745605 | 4 | 814.1599731 | 813.922496  |
| IATSPAELSPTLTEMR                    | Q9JKF7 | 0          | N-term +28.03 Da,                          | 5529.327637 | 2 | 972.4899902 | 973.0009785 |
| LSPTNCDA SEPLAEK VLDLINKGR          | Q9ESB3 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5538.186035 | 4 | 681.8699951 | 681.8704715 |
| DP AIYFKEQFLDGD AWNTNR              | P14211 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5538.741211 | 3 | 781.7199707 | 781.3865794 |
| VHLTDAEKA AVSCLWGK VNSDEVGGEALGR    | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5540.722168 | 3 | 1085.209961 | 1084.894236 |
| VDFEAIWGAVR                         | P25688 | 0.00942712 | N-term +28.03 Da,                          | 5549.072754 | 2 | 645.8499756 | 645.8456904 |
| GPPPIQDGEFTLLPAGR                   | Q3V009 | 0          | N-term +28.03 Da,                          | 5550.59375  | 2 | 971.0200195 | 970.5174551 |
| VLLESEQFLTELTR                      | P16254 | 0          | N-term +28.03 Da,                          | 5554.102051 | 2 | 853.9699707 | 853.4721819 |
| VHLTDAEKA AVSCLWGK VNSDEVGGEALGR    | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5557.321289 | 4 | 813.9125977 | 813.922496  |
| DP AIYFKEQFLDGD AWNTNR              | P14211 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5558.34375  | 2 | 1172.079956 | 1171.576231 |
| EDVQETDTSQK DQSPASHEIATNLGDF AISLYR | P07758 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5561.302734 | 4 | 931.4400024 | 931.2011552 |
| EDVQETDTSQK DQSPASHEIATNLGDF AISLYR | P07758 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5562.864258 | 4 | 931.1900024 | 931.2011552 |
| EDVQETDTSQK DQSPASHEIATNLGDF AISLYR | P07758 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5564.412598 | 3 | 1240.920044 | 1241.265781 |
| DP AIYFKEQFLDGD AWNTNR              | P14211 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5564.519043 | 2 | 1172.569946 | 1171.576231 |
| VHLTDAEKSA VSCLWAKVNPDEVGGEALGR     | P02089 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5564.754395 | 4 | 823.9199829 | 823.930321  |
| GPPPIQDGEFTLLPAGR                   | Q3V009 | 0.00931232 | N-term +28.03 Da,                          | 5565.012695 | 3 | 647.3499756 | 647.3473956 |
| LSPTNCDA SEPLAEK VLDLINKGR          | Q9ESB3 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5569.050781 | 4 | 681.8699951 | 681.8704715 |
| DP AIYFKEQFLDGD AWNTNR              | P14211 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5570.867676 | 3 | 781.3864136 | 781.3865794 |
| FTPSLSDSFTFLPAGR                    | Q9CXE7 | 0          | N-term +28.03 Da,                          | 5571.107422 | 2 | 950.4785767 | 950.477996  |
| DPGVVDNFPLLKALR                     | P30115 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5573.05957  | 3 | 570.6699829 | 570.6698095 |
| SASSALEL TEELATAEAVR                | Q8R0Y6 | 0          | N-term +28.03 Da,                          | 5576.88623  | 3 | 702.3599854 | 702.358467  |
| GPPPIQDGEFTLLPAGR                   | Q3V009 | 0          | N-term +28.03 Da,                          | 5582.398438 | 2 | 971.0200195 | 970.5174551 |
| GPPPIQDGEFTLLPAGR                   | Q3V009 | 0          | N-term +28.03 Da,                          | 5586.223145 | 2 | 970.5100098 | 970.5174551 |
| VLLESEQFLTELTR                      | P16254 | 0          | N-term +28.03 Da,                          | 5586.338379 | 2 | 853.4714355 | 853.4721819 |
| SASSALEL TEELATAEAVR                | Q8R0Y6 | 0          | N-term +28.03 Da,                          | 5586.999512 | 2 | 1053.540039 | 1053.034062 |
| VHLTDAEKA AVSCLWGK VNSDEVGGEALGR    | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5588.180664 | 4 | 814.1599731 | 813.922496  |
| EDVQETDTSQK DQSPASHEIATNLGDF AISLYR | P07758 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5594.54834  | 4 | 931.2000122 | 931.2011552 |
| DP AIYFKEQFLDGD AWNTNR              | P14211 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5595.984375 | 2 | 1171.575684 | 1171.576231 |
| EDVQETDTSQK DQSPASHEIATNLGDF AISLYR | P07758 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5596.067871 | 3 | 1241.26001  | 1241.265781 |
| GPPPIQDGEFTLLPAGR                   | Q3V009 | 0          | N-term +28.03 Da,                          | 5596.235352 | 3 | 647.3474731 | 647.3473956 |
| GSASGTTLLEALDCILPPTRPDKPLR          | P10126 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5600.393555 | 4 | 735.1500244 | 734.6534909 |
| DP AIYFKEQFLDGD AWNTNR              | P14211 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5601.456055 | 3 | 781.3859863 | 781.3865794 |
| VHLTDAEKA AVSCLWGK VNSDEVGGEALGR    | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5602.827148 | 3 | 1085.550049 | 1084.894236 |
| VHLTDAEKA AVSCLWGK VNSDEVGGEALGR    | P02088 | 0.00462606 | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5606.223145 | 3 | 1084.550049 | 1084.894236 |
| GSASGTTLLEALDCILPPTRPDKPLR          | P10126 | 0.00985915 | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5611.428223 | 4 | 734.4000244 | 734.6534909 |
| DLPALPGGPAGGTGELAKYGLPGVAQLR        | O08600 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5616.192871 | 3 | 911.5100098 | 911.1762309 |
| GPPPIQDGEFTLLPAGR                   | Q3V009 | 0          | N-term +28.03 Da,                          | 5617.979492 | 2 | 971.0200195 | 970.5174551 |
| SASGTTLLEALDCILPPTRPDKPLR           | P10126 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5618.144531 | 4 | 720.9000244 | 720.3981248 |
| DLPALPGGPAGGTGELAKYGLPGVAQLR        | O08600 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5622.27832  | 3 | 911.1799927 | 911.1762309 |

|                                   |        |            |  |             |   |             |             |
|-----------------------------------|--------|------------|--|-------------|---|-------------|-------------|
| DPAIYFKEQFLDGDWNTNR               | P14211 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5627.29834  | 2 | 1171.574097 | 1171.576231 |
| DPAIYFKEQFLDGDWNTNR               | P14211 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5631.651855 | 3 | 781.3856812 | 781.3865794 |
| KSPIFGPQEVSSIEGDSVSITCYPPDTSVNR   | O70570 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5635.582031 | 3 | 1163.560059 | 1163.567855 |
| KSPIFGPQEVSSIEGDSVSITCYPPDTSVNR   | O70570 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5639.768066 | 3 | 1163.900024 | 1163.567855 |
| VHLTDAEKAASVSLWGKVNNSDEVGGALGR    | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5648.863281 | 3 | 1085.550049 | 1084.894236 |
| DPAFTPATGTPVLGGLSYR               | Q61176 | 0          | N-term +28.03 Da,                          | 5649.736328 | 2 | 974.5       | 974.5123701 |
| VHLTDAEKSAVSLWAKVNPDEVGGALGR      | P02089 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5649.8125   | 4 | 824.1699829 | 823.930321  |
| VHLTDAEKAASVSLWGKVNNSDEVGGALGR    | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5654.915039 | 4 | 814.4199829 | 813.922496  |
| VHLTDAEKAASVSLWGKVNNSDEVGGALGR    | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5656.456055 | 3 | 1085.209961 | 1084.894236 |
| DPAIYFKEQFLDGDWNTNR               | P14211 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5657.880859 | 2 | 1171.577393 | 1171.576231 |
| DPAIYFKEQFLDGDWNTNR               | P14211 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5662.621094 | 3 | 781.7199707 | 781.3865794 |
| VIQELRPTLNELGISTPEELGLDKV         | P12787 | 0.00946143 | N-term +28.03 Da, K +28.03 Da,             | 5667.705566 | 3 | 940.8699951 | 940.53034   |
| VIQELRPTLNELGISTPEELGLDKV         | P12787 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5670.145508 | 3 | 940.5300293 | 940.53034   |
| ELIPEYLNFR                        | P07901 | 0.01564626 | N-term +28.03 Da,                          | 5671.947266 | 2 | 718.4000244 | 717.9032056 |
| EDVQETDTSQKDQSPASHEIATNLGDFAIPLYR | P07758 | 0.00932568 | N-term +28.03 Da, K +28.03 Da,             | 5672.703613 | 4 | 931.2000122 | 931.2011552 |
| LAFVDVNPNDSSQIVKNPR               | Q61176 | 0.00950988 | N-term +28.03 Da, K +28.03 Da,             | 5679.192871 | 2 | 1102.589966 | 1101.599508 |
| VHLTDAEKSAVSLWAKVNPDEVGGALGR      | P02089 | 0.0380774  | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5680.808594 | 3 | 1098.22998  | 1098.238002 |
| VHLTDAEKSAVSLWAKVNPDEVGGALGR      | P02089 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5681.61377  | 4 | 823.6766968 | 823.930321  |
| VHLTDAEKAASVSLWGKVNNSDEVGGALGR    | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5686.910156 | 4 | 813.913269  | 813.922496  |
| VHLTDAEKAASVSLWGKVNNSDEVGGALGR    | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5688.459961 | 3 | 1084.881836 | 1084.894236 |
| DPAIYFKEQFLDGDWNTNR               | P14211 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5688.693359 | 2 | 1171.569946 | 1171.576231 |
| DPAIYFKEQFLDGDWNTNR               | P14211 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5693.500977 | 3 | 781.7199707 | 781.3865794 |
| IKSVTELNQDITNTMTLGDIVYKR          | P12710 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5697.866211 | 3 | 956.5100098 | 956.19133   |
| VHLTDAEKAASVSLWGKVNNSDEVGGALGR    | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5719.44043  | 4 | 814.4099731 | 813.922496  |
| VHLTDAEKAASVSLWGKVNNSDEVGGALGR    | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5724.172852 | 4 | 813.9199829 | 813.922496  |
| DPAIYFKEQFLDGDWNTNR               | P14211 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5725.012207 | 2 | 1172.579956 | 1171.576231 |
| DPAIYFKEQFLDGDWNTNR               | P14211 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5725.503418 | 3 | 781.7199707 | 781.3865794 |
| VELGNDAMDFEDDSCPKPPEIANGYVEHLVR   | Q61646 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5725.743164 | 4 | 894.4199829 | 893.9222649 |
| VHLTDAEKAASVSLWGKVNNSDEVGGALGR    | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5731.981445 | 3 | 1085.209961 | 1084.894236 |
| APPSVFAQVPPQAPPVLFK               | P05201 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5732.914063 | 2 | 1025.099976 | 1024.60079  |
| APPSVFAQVPPQAPPVLFK               | P05201 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5734.364746 | 2 | 1024.599976 | 1024.60079  |
| GQWLTLEAPLDTINVH                  | P70699 | 0.02390438 | N-term +28.03 Da,                          | 5737.437988 | 2 | 918.4799805 | 917.9885305 |
| VLSNEPAASAAEEVEEDDALVR            | Q8BYA0 | 0.00945455 | N-term +28.03 Da,                          | 5740.284668 | 2 | 1171.569946 | 1171.571541 |
| IAATILTPDLR                       | P05202 | 0.0016247  | N-term +28.03 Da,                          | 5746.379883 | 2 | 650.3955688 | 649.8875555 |
| LIKAAIGDTLVQDIR                   | Q9CXN7 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5748.874023 | 2 | 841.5       | 841.5141836 |
| VHLTDAEKAASVSLWGKVNNSDEVGGALGR    | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5755.374023 | 4 | 814.1599731 | 813.922496  |
| DPAIYFKEQFLDGDWNTNR               | P14211 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5757.351563 | 3 | 782.0599976 | 781.3865794 |
| VHLTDAEKSAVSLWAKVNPDEVGGALGR      | P02089 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5761.452148 | 3 | 1098.560059 | 1098.238002 |
| VHLTDAEKSAVSLWAKVNPDEVGGALGR      | P02089 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5763.856934 | 4 | 823.9199829 | 823.930321  |
| QRKSVNLRGPIYQEYEDPGDNSVGYK        | P47750 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5763.994141 | 3 | 1113.589966 | 1113.572039 |

|                                    |        |            |  |             |   |             |             |
|------------------------------------|--------|------------|--|-------------|---|-------------|-------------|
| EGEPEVTDQLEWQSNQPWEQALNR           | P08226 | 0          | N-term +28.03 Da,                          | 5772.019531 | 3 | 971.1199951 | 971.1212917 |
| EGEPEVTDQLEWQSNQPWEQALNR           | P08226 | 0          | N-term +28.03 Da,                          | 5775.76123  | 2 | 1456.170044 | 1456.178299 |
| VLAELYVSDR                         | Q8BP47 | 0.01503759 | N-term +28.03 Da,                          | 5780.299316 | 2 | 596.3300171 | 596.8322488 |
| DPAIYFKEQFLDGDWNTNR                | P14211 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5781.86084  | 2 | 1172.579956 | 1171.576231 |
| DLSGTLESIPDKLKEFGNTLEDKAR          | P34928 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5782.256348 | 4 | 722.8900146 | 722.8958439 |
| VHLTDAEKAASVSLWGKVNSEVGGALGR       | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5786.780273 | 4 | 814.1699829 | 813.922496  |
| APAIIFIDELDAIAPKR                  | Q01853 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5787.596191 | 3 | 637.039978  | 637.0434243 |
| DPAIYFKEQFLDGDWNTNR                | P14211 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5788.59668  | 3 | 781.7199707 | 781.3865794 |
| TATFAQALQSVPETQVSILDNGLR           | Q9CZ13 | 0          | N-term +28.03 Da,                          | 5788.844727 | 3 | 863.460022  | 863.1290581 |
| VHLTDAEKSAVSLWAKVNPDEVGGALGR       | P02089 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5792.714355 | 3 | 1098.560059 | 1098.238002 |
| DLSGTLESIPDKLKEFGNTLEDKAR          | P34928 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5793.436523 | 4 | 723.1400146 | 722.8958439 |
| SFAIDALDPAYAPGTGTEIAGLTPSQALEIIR   | A2AS89 | 0.03666245 | N-term +28.03 Da,                          | 5795.825684 | 4 | 847.1900024 | 846.6987904 |
| VHLTDAEKSAVSLWAKVNPDEVGGALGR       | P02089 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5796.555176 | 4 | 824.4199829 | 823.930321  |
| SDYLELDTIKNLVR                     | P08113 | 0.00919378 | N-term +28.03 Da, K +28.03 Da,             | 5796.813477 | 2 | 867.9699707 | 867.9854565 |
| VYDLTKFLEEHPGGEEVLR                | P56395 | 0.00953079 | N-term +28.03 Da, K +28.03 Da,             | 5798.71875  | 3 | 763.3900146 | 763.0704798 |
| VSLWGKVNSEVGGALGR                  | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5799.801758 | 2 | 1094.550049 | 1095.054608 |
| DPAIYFKEQFLDGDWNTNR                | P14211 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5801.388184 | 2 | 1171.569946 | 1171.576231 |
| TATFAQALQSVPETQVSILDNGLR           | Q9CZ13 | 0          | N-term +28.03 Da,                          | 5801.694824 | 2 | 1294.689941 | 1294.189949 |
| EGEPEVTDQLEWQSNQPWEQALNR           | P08226 | 0          | N-term +28.03 Da,                          | 5802.827637 | 3 | 970.7800293 | 971.1212917 |
| VHLTDAEKAASVSLWGKVNSEVGGALGR       | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5803.097168 | 4 | 814.4199829 | 813.922496  |
| LDPGVVDNFPLLKALR                   | P30115 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5807.301758 | 3 | 608.7000122 | 608.3644976 |
| DFGLESTTGEVPPVAIR                  | P27773 | 0          | N-term +28.03 Da,                          | 5811.595703 | 2 | 909.4699707 | 909.485821  |
| VLAELYVSDR                         | Q8BP47 | 0.00944081 | N-term +28.03 Da,                          | 5811.739746 | 2 | 596.3300171 | 596.8322488 |
| IDLSDVELDDLEKDEL                   | Q922R8 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5816.735352 | 2 | 958.9799805 | 958.9829751 |
| VHLTDAEKAASVSLWGKVNSEVGGALGR       | P02088 | 0.0156038  | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5817.262207 | 3 | 1085.550049 | 1084.894236 |
| DPAIYFKEQFLDGDWNTNR                | P14211 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5819.86377  | 3 | 782.0499878 | 781.3865794 |
| PFVELETNLPASR                      | O35215 | 0          | N-term +28.03 Da,                          | 5820.380371 | 2 | 751.9000244 | 750.9064771 |
| VHLTDAEKAASVSLWGKVNSEVGGALGR       | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5822.705566 | 3 | 1084.880005 | 1084.894236 |
| MNTLVGYDLVPEPK                     | P12787 | 0.0074239  | N-term +28.03 Da, K +28.03 Da,             | 5825.844238 | 2 | 816.9299927 | 816.4392957 |
| VYDLTKFLEEHPGGEEVLR                | P56395 | 0.00232198 | N-term +28.03 Da, K +28.03 Da,             | 5829.105957 | 3 | 763.3900146 | 763.0704798 |
| SGMPPGAAAIIVLPVTLDTPMNR            | Q8BV14 | 0          | N-term +28.03 Da,                          | 5830.191895 | 3 | 769.7399902 | 769.7448331 |
| VNPTVFFDITADDEPLGR                 | P17742 | 0          | N-term +28.03 Da,                          | 5832.54248  | 2 | 1018.01001  | 1017.512568 |
| VHLTDAEKAASVSLWGKVNSEVGGALGR       | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5834.872559 | 4 | 813.6640015 | 813.922496  |
| APPVPGAVSGGSGEVELDFDVKNF           | O89079 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5840.86084  | 3 | 839.4299927 | 839.0953543 |
| TATFAQALQSVPETQVSILDNGLR           | Q9CZ13 | 0          | N-term +28.03 Da,                          | 5841.477051 | 3 | 863.789978  | 863.1290581 |
| FQLTSEDMKVLDDLKNR                  | P70694 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5841.949707 | 3 | 789.0800171 | 788.4261579 |
| IETVGGVMTKLIPR                     | P20029 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5849.788086 | 2 | 785.960022  | 785.4734723 |
| APDLSGTLESIPDKLKEFGNTLEDKAR        | P34928 | 0          | N-term +28.03 Da, K +28.03 Da,             | 5851.820313 | 4 | 765.1699829 | 764.9183135 |
| YETGPCSKADVVDNETVVRARGLPWQSSDQDVAR | Q8K0G8 | 0.01311249 | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 5853.71582  | 4 | 966.7399902 | 966.2260727 |
| LPTLEQPIIPSDYVAIKAPM               | Q8C196 | 0.00162338 | N-term +28.03 Da, K +28.03 Da,             | 5859.813477 | 3 | 751.7600098 | 751.4252062 |

|                                 |        |            |   |             |   |             |             |
|---------------------------------|--------|------------|---|-------------|---|-------------|-------------|
| VNPTVFFDITADDEPLGR              | P17742 | 0          | N-term +28.03 Da,                           | 5863.256348 | 2 | 1017.511963 | 1017.512568 |
| VNPTVFFDITADDEPLGR              | P17742 | 0          | N-term +28.03 Da,                           | 5869.528809 | 3 | 678.6761475 | 678.6774706 |
| APPVPGAVSGGSGEVDLFDVKNFAF       | Q89079 | 0          | N-term +28.03 Da, K +28.03 Da,              | 5869.604492 | 3 | 839.0900269 | 839.0953543 |
| DPAIYFKEQFLDGDWATNR             | P14211 | 0.00083056 | N-term +28.03 Da, K +28.03 Da,              | 5871.727539 | 3 | 782.0499878 | 781.3865794 |
| TEGAELVDSVLDVVR                 | P68372 | 0          | N-term +28.03 Da,                           | 5874.166992 | 2 | 815.4390259 | 815.4383393 |
| EASDYLELDTIKNLVR                | P08113 | 0          | N-term +28.03 Da, K +28.03 Da,              | 5875.944824 | 2 | 968.5100098 | 968.0253107 |
| APDLSGTLESIPDKLKEFGNTLEDKAR     | P34928 | 0          | N-term +28.03 Da, K +28.03 Da,              | 5882.59668  | 4 | 765.4199829 | 764.9183135 |
| LYSSDDVIELTPSNFNR               | Q922R8 | 0          | N-term +28.03 Da,                           | 5883.621094 | 2 | 1042.98999  | 1043.01039  |
| TTLLEALDCILPPTRPTDKPLR          | P10126 | 0          | N-term +28.03 Da, K +28.03 Da, C +57.02 Da, | 5888.200684 | 4 | 645.3699951 | 644.8674657 |
| ISQAAAKVDIEFDYDGLMKTEVPGPR      | P61922 | 0          | N-term +28.03 Da, K +28.03 Da,              | 5889.37793  | 4 | 758.6500244 | 758.6506826 |
| TELANGDTITNTMTLGDIVYKR          | P12710 | 0          | N-term +28.03 Da, K +28.03 Da,              | 5893.199707 | 2 | 1206.109985 | 1206.127971 |
| VNPTVFFDITADDEPLGR              | P17742 | 0          | N-term +28.03 Da,                           | 5894.802734 | 2 | 1017.511475 | 1017.512568 |
| VHLTDAEKAASVSLWGKVNSEVGGGALGR   | P02088 | 0          | N-term +28.03 Da, K +28.03 Da, C +57.02 Da, | 5897.716309 | 4 | 813.6699829 | 813.922496  |
| VHLTDAEKAASVSLWGKVNSEVGGGALGR   | P02088 | 0          | N-term +28.03 Da, K +28.03 Da, C +57.02 Da, | 5898.128418 | 3 | 1084.880005 | 1084.894236 |
| VHLTDAEKAASVSLWGKVNSEVGGGALGR   | P02088 | 0          | N-term +28.03 Da, K +28.03 Da, C +57.02 Da, | 5900.257324 | 3 | 1085.550049 | 1084.894236 |
| VNPTVFFDITADDEPLGR              | P17742 | 0          | N-term +28.03 Da,                           | 5901.311523 | 3 | 678.6773682 | 678.6774706 |
| TATFAQALQSVPETQVSILDNGLR        | Q9CZ13 | 0.04217604 | N-term +28.03 Da,                           | 5901.694824 | 3 | 863.460022  | 863.1290581 |
| VNPTVFFDITADDEPLGR              | P17742 | 0          | N-term +28.03 Da,                           | 5927.107422 | 2 | 1017.511536 | 1017.512568 |
| VHLTDAEKAASVSLWGKVNSEVGGGALGR   | P02088 | 0          | N-term +28.03 Da, K +28.03 Da, C +57.02 Da, | 5929.317383 | 4 | 813.6699829 | 813.922496  |
| VSPSPVDPVAVPVVPIGPPAGFR         | Q05920 | 0.04128158 | N-term +28.03 Da,                           | 5929.702148 | 3 | 760.7600098 | 760.7632096 |
| VSPSPVDPVAVPVVPIGPPAGFR         | Q05920 | 0          | N-term +28.03 Da,                           | 5933.723145 | 2 | 1140.140015 | 1140.641176 |
| FGLESTTGEVPPVAIR                | P27773 | 0          | N-term +28.03 Da,                           | 5937.811523 | 2 | 851.960022  | 851.9723489 |
| ADLPALPGGPAGGTGELAKYGLPGVAQLR   | O08600 | 0.01682369 | N-term +28.03 Da, K +28.03 Da,              | 5940.866211 | 3 | 934.8499756 | 934.855269  |
| IVDAALSALR                      | Q922R8 | 0.04169184 | N-term +28.03 Da,                           | 5941.733398 | 2 | 528.3200073 | 528.8242263 |
| FAVASRKTFSHELSDFGLESTTGEVPPVAIR | P27773 | 0          | N-term +28.03 Da, K +28.03 Da,              | 5946.749512 | 4 | 852.4500122 | 852.4555946 |
| VHLTDAEKSAVSLWAKVNPDEVGGGALGR   | P02089 | 0          | N-term +28.03 Da, K +28.03 Da, C +57.02 Da, | 5948.628418 | 4 | 823.9299927 | 823.930321  |
| VNPTVFFDITADDEPLGR              | P17742 | 0          | N-term +28.03 Da,                           | 5959.101563 | 2 | 1017.51001  | 1017.512568 |
| VHLTDAEKAASVSLWGKVNSEVGGGALGR   | P02088 | 0          | N-term +28.03 Da, K +28.03 Da, C +57.02 Da, | 5972.069336 | 4 | 813.6699829 | 813.922496  |
| VHLTDAEKAASVSLWGKVNSEVGGGALGR   | P02088 | 0          | N-term +28.03 Da, K +28.03 Da, C +57.02 Da, | 5972.441895 | 3 | 1084.550049 | 1084.894236 |
| LLLPGELAK                       | P10853 | 0.00937951 | N-term +28.03 Da, K +28.03 Da,              | 5972.603027 | 2 | 504.8299866 | 505.3364378 |
| TECPQFVQNIENLFR                 | P27005 | 0          | N-term +28.03 Da, C +57.02 Da,              | 5978.161133 | 2 | 1076.040039 | 1075.538594 |
| DLSGTLESIPDKLKEFGNTLEDKAR       | P34928 | 0          | N-term +28.03 Da, K +28.03 Da,              | 5983.397949 | 4 | 723.1500244 | 722.8958439 |
| VNPTVFFDITADDEPLGR              | P17742 | 0          | N-term +28.03 Da,                           | 5990.291016 | 2 | 1017.51001  | 1017.512568 |
| GADLAALCSEAAALQAIR              | Q01853 | 0          | N-term +28.03 Da, C +57.02 Da,              | 5996.438965 | 2 | 879.4500122 | 879.4643653 |
| DLSGTLESIPDKLKEFGNTLEDKAR       | P34928 | 0          | N-term +28.03 Da, K +28.03 Da,              | 5996.569824 | 3 | 964.1900024 | 963.5253664 |
| VSLWGKVNSEVGGGALGR              | P02088 | 0.00597015 | N-term +28.03 Da, K +28.03 Da, C +57.02 Da, | 6000.001953 | 2 | 1095.050049 | 1095.054608 |
| YTPEQVAMATVTALHR                | Q91Y97 | 0.04171705 | N-term +28.03 Da,                           | 6003.286133 | 2 | 908.4699707 | 908.4747328 |
| DLSGTLESIPDKLKEFGNTLEDKAR       | P34928 | 0          | N-term +28.03 Da, K +28.03 Da,              | 6010.449219 | 4 | 722.9000244 | 722.8958439 |
| PEFVVDCKR                       | Q571H0 | 0.00082034 | N-term +28.03 Da, K +28.03 Da, C +57.02 Da, | 6011.833008 | 2 | 603.31073   | 603.3209937 |
| LAALGGNSSPSAKDIKKILDSVIGIEADDDR | P99027 | 0          | N-term +28.03 Da, K +28.03 Da,              | 6016.579102 | 4 | 792.6799927 | 792.6844116 |



|                                |        |            |  |             |   |             |             |
|--------------------------------|--------|------------|--|-------------|---|-------------|-------------|
| VNPTVFFDITADDEPLGR             | P17742 | 0          | N-term +28.03 Da,                          | 6021.705078 | 2 | 1017.51001  | 1017.512568 |
| ELDPGVVDNFPLLKALR              | P30115 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6026.492188 | 3 | 651.710022  | 651.3786957 |
| TATFAQALQSVPETQVSILDNGLR       | Q9CZ13 | 0.0074184  | N-term +28.03 Da,                          | 6032.143066 | 3 | 863.789978  | 863.1290581 |
| VHLTDAEKAASVSLWGKVNSEVGGGEALGR | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 6033.938477 | 4 | 813.6699829 | 813.922496  |
| SEAAADREDDPNFFKMVEGFFDR        | P26443 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6035.774902 | 4 | 688.5700073 | 688.0695253 |
| PGLLLLGDEAPNFEANTTIGR          | O08709 | 0          | N-term +28.03 Da,                          | 6036.140625 | 2 | 1085.540039 | 1085.560581 |
| TATFAQALQSVPETQVSILDNGLR       | Q9CZ13 | 0.00232019 | N-term +28.03 Da,                          | 6040.245605 | 2 | 1294.680054 | 1294.189949 |
| APSPLYSEVFSEEPFGVIVR           | P70699 | 0          | N-term +28.03 Da,                          | 6044.382813 | 2 | 1126.079956 | 1126.0859   |
| APSPLYSEVFSEEPFGVIVR           | P70699 | 0          | N-term +28.03 Da,                          | 6047.241699 | 2 | 1126.589966 | 1126.0859   |
| VNPTVFFDITADDEPLGR             | P17742 | 0          | N-term +28.03 Da,                          | 6052.445801 | 2 | 1017.52002  | 1017.512568 |
| PGLLLLGEEAPDFEANTTIGR          | Q8BG37 | 0          | N-term +28.03 Da,                          | 6058.854492 | 2 | 1094.050049 | 1093.060414 |
| TATFAQALQSVPETQVSILDNGLR       | Q9CZ13 | 0.00537222 | N-term +28.03 Da,                          | 6062.355957 | 3 | 863.4560547 | 863.1290581 |
| VHLTDAEKAASVSLWGKVNSEVGGGEALGR | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 6064.259766 | 4 | 814.1599731 | 813.922496  |
| PGLLLLGDEAPNFEANTTIGR          | O08709 | 0          | N-term +28.03 Da,                          | 6066.990723 | 2 | 1085.541504 | 1085.560581 |
| VHLTDAEKSAVSLWAKVNPDEVGGGEALGR | P02089 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 6068.124512 | 4 | 823.6699829 | 823.930321  |
| TATFAQALQSVPETQVSILDNGLR       | Q9CZ13 | 0          | N-term +28.03 Da,                          | 6070.777344 | 2 | 1295.180054 | 1294.189949 |
| PGLLLLGDEAPNFEANTTIGR          | O08709 | 0          | N-term +28.03 Da,                          | 6072.80957  | 3 | 724.0302734 | 724.0428127 |
| VHLTDAEKSAVSLWAKVNPDEVGGGEALGR | P02089 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 6074.351563 | 3 | 1097.900024 | 1098.238002 |
| VEELDPGVVDNFPLLKALR            | P30115 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6076.337402 | 3 | 727.4099731 | 727.4156985 |
| APSPLYSEVFSEEPFGVIVR           | P70699 | 0          | N-term +28.03 Da,                          | 6078.019043 | 2 | 1126.083862 | 1126.0859   |
| LTADEKAASVSLWGKVNSEVGGGEALGR   | P02088 | 0.01683502 | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 6081.600098 | 3 | 1006.51001  | 1006.185127 |
| APSPLYSEVFSEEPFGVIVR           | P70699 | 0          | N-term +28.03 Da,                          | 6082.064453 | 3 | 751.3900146 | 751.0596921 |
| EAPNFEANTTIGR                  | O08709 | 0          | N-term +28.03 Da,                          | 6088.605469 | 2 | 723.8599854 | 724.362434  |
| VNPTVFFDITADDEPLGR             | P17742 | 0          | N-term +28.03 Da,                          | 6089.362793 | 2 | 1018.01001  | 1017.512568 |
| TATFAQALQSVPETQVSILDNGLR       | Q9CZ13 | 0          | N-term +28.03 Da,                          | 6093.649902 | 3 | 863.1277466 | 863.1290581 |
| VHLTDAEKAASVSLWGKVNSEVGGGEALGR | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 6096.45166  | 4 | 814.1599731 | 813.922496  |
| PGLLLLGDEAPNFEANTTIGR          | O08709 | 0          | N-term +28.03 Da,                          | 6098.486816 | 2 | 1085.540039 | 1085.560581 |
| TATFAQALQSVPETQVSILDNGLR       | Q9CZ13 | 0          | N-term +28.03 Da,                          | 6102.065918 | 2 | 1294.190308 | 1294.189949 |
| EASQSLLFVDIPSKIICR             | Q64374 | 0.00233463 | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 6107.801758 | 2 | 1067.089966 | 1066.592837 |
| SLAPGHVADFLVADFR               | P97328 | 0          | N-term +28.03 Da,                          | 6108.692871 | 2 | 872.4500122 | 871.9648579 |
| ELNDFISYLQR                    | P27773 | 0          | N-term +28.03 Da,                          | 6109.138184 | 2 | 712.8699951 | 713.37227   |
| ASQQDFENALNQVKLL               | Q9WUR2 | 0.00985222 | N-term +28.03 Da, K +28.03 Da,             | 6113.213867 | 2 | 937.5       | 937.5045451 |
| EADIDGDGQVNYEEFQMMTAK          | P62204 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6123.26123  | 3 | 849.7199707 | 849.3857    |
| TATFAQALQSVPETQVSILDNGLR       | Q9CZ13 | 0          | N-term +28.03 Da,                          | 6123.989258 | 3 | 863.460022  | 863.1290581 |
| EADIDGDGQVNYEEFQMMTAK          | P62204 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6127.272461 | 2 | 1274.579956 | 1273.574912 |
| PGLLLLGDEAPNFEANTTIGR          | O08709 | 0          | N-term +28.03 Da,                          | 6129.466797 | 2 | 1085.540039 | 1085.560581 |
| PGLLLLGDEAPNFEANTTIGR          | O08709 | 0          | N-term +28.03 Da,                          | 6133.754395 | 3 | 724.3699951 | 724.0428127 |
| VHLTDAEKSAVSLWAKVNPDEVGGGEALGR | P02089 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 6136.351563 | 4 | 823.9299927 | 823.930321  |
| PGLLLLGDEAPNFEANTTIGR          | O08709 | 0          | N-term +28.03 Da,                          | 6143.722656 | 3 | 724.7000122 | 724.0428127 |
| MILLEVNNR                      | Q9CVB6 | 0.00740741 | N-term +28.03 Da,                          | 6145.711426 | 2 | 564.8200073 | 565.3235362 |

|                              |        |            |  |             |   |             |             |
|------------------------------|--------|------------|--|-------------|---|-------------|-------------|
| TATFAQALQSVPETQVSILDNGLR     | Q9CZ13 | 0.00930565 | N-term +28.03 Da,                          | 6155.709961 | 3 | 863.789978  | 863.1290581 |
| TATFAQALQSVPETQVSILDNGLR     | Q9CZ13 | 0.03082852 | N-term +28.03 Da,                          | 6156.07666  | 2 | 1294.689941 | 1294.189949 |
| ALDPAYAPGTGTPEIAGLTPSQALEIIR | A2AS89 | 0          | N-term +28.03 Da,                          | 6159.38623  | 3 | 951.5200195 | 950.8464396 |
| PGGLLLGEEAPDFEANTTIGR        | Q8BG37 | 0          | N-term +28.03 Da,                          | 6159.531738 | 2 | 1094.050049 | 1093.060414 |
| DGLDPAFTPATGTPVLGGLSYR       | Q61176 | 0          | N-term +28.03 Da,                          | 6159.67627  | 2 | 1117.060059 | 1117.078606 |
| PGGLLLGDEAPNFEANTTIGR        | O08709 | 0          | N-term +28.03 Da,                          | 6161.572266 | 2 | 1085.539551 | 1085.560581 |
| GLDPAFTPATGTPVLGGLSYR        | Q61176 | 0          | N-term +28.03 Da,                          | 6162.526855 | 2 | 1059.550049 | 1059.565134 |
| IDLPEFPFGLPR                 | O35490 | 0.00085034 | N-term +28.03 Da,                          | 6165.702148 | 2 | 779.4199829 | 779.4192202 |
| VHLTDAEKAASVSLWGKVNSEVGGALGR | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 6176.604004 | 4 | 814.1599731 | 813.922496  |
| LQFWTETLPR                   | Q63880 | 0          | N-term +28.03 Da,                          | 6178.582031 | 2 | 659.3499756 | 659.8613404 |
| TATFAQALQSVPETQVSILDNGLR     | Q9CZ13 | 0          | N-term +28.03 Da,                          | 6187.577637 | 3 | 863.789978  | 863.1290581 |
| VHLTDAEKAASVSLWGKVNSEVGGALGR | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 6189.737793 | 4 | 813.6599731 | 813.922496  |
| TATFAQALQSVPETQVSILDNGLR     | Q9CZ13 | 0.03053931 | N-term +28.03 Da,                          | 6190.719727 | 2 | 1295.189941 | 1294.189949 |
| SFDVDGLDPAFTPATGTPVLGGLSYR   | Q61176 | 0          | N-term +28.03 Da,                          | 6191.528809 | 2 | 1341.660034 | 1341.176507 |
| PGGLLLGDEAPNFEANTTIGR        | O08709 | 0          | N-term +28.03 Da,                          | 6193.86084  | 2 | 1085.540039 | 1085.560581 |
| LSPTNCDASEPLAEKVLDLINKGR     | Q9ESB3 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 6199.807129 | 4 | 681.6199951 | 681.8704715 |
| SFDVDGLDPAFTPATGTPVLGGLSYR   | Q61176 | 0          | N-term +28.03 Da,                          | 6199.94873  | 3 | 894.789978  | 894.4534304 |
| LSPTNCDASEPLAEKVLDLINKGR     | Q9ESB3 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 6217.546875 | 3 | 908.4899902 | 908.8248698 |
| AAEDVWATGADPSELEGGLLHEIF     | O55022 | 0.000815   | N-term +28.03 Da,                          | 6225.055664 | 2 | 1263.619995 | 1263.123941 |
| TGEAIVDAALSALR               | Q922R8 | 0          | N-term +28.03 Da,                          | 6228.73584  | 2 | 707.3900146 | 707.8986521 |
| VSCLWGKVNSEVGGALGR           | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 6232.679199 | 2 | 1095.540039 | 1095.054608 |
| VNPTVFFDITADDEPLGR           | P17742 | 0          | N-term +28.03 Da,                          | 6233.344727 | 2 | 1018.01001  | 1017.512568 |
| DPAIYFKEQFLDGDWNTNR          | P14211 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6235.769531 | 2 | 1172.060059 | 1171.576231 |
| VNPTVFFDITADDEPLGR           | P17742 | 0          | N-term +28.03 Da,                          | 6242.510254 | 2 | 1018.51001  | 1017.512568 |
| TQEAMEAALAMEKNLN             | P29391 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6244.173828 | 2 | 910.9400024 | 910.4500667 |
| PAWEAPEGVPIDAIIFGGR          | Q8BH04 | 0.00234558 | N-term +28.03 Da,                          | 6255.990723 | 2 | 1012.52002  | 1012.036012 |
| LNLPEPWDWR                   | P97821 | 0.00239234 | N-term +28.03 Da,                          | 6256.741211 | 2 | 671.8300171 | 672.3407723 |
| PAWEAPEGVPIDAIIFGGR          | Q8BH04 | 0          | N-term +28.03 Da,                          | 6257.855957 | 2 | 1012.02002  | 1012.036012 |
| KVMEETFSYLLGR                | Q61176 | 0.00596125 | N-term +28.03 Da, K +28.03 Da,             | 6265.240723 | 2 | 814.4299927 | 814.9394627 |
| CLIEILASR                    | P14824 | 0.0131397  | N-term +28.03 Da, C +57.02 Da,             | 6268.456055 | 2 | 551.3099976 | 551.8180867 |
| LYFEELSLEP                   | Q8C196 | 0.02014775 | N-term +28.03 Da,                          | 6268.578125 | 2 | 663.8499756 | 663.8506389 |
| VNPTVFFDITADDEPLGR           | P17742 | 0          | N-term +28.03 Da,                          | 6283.302734 | 2 | 1017.51001  | 1017.512568 |
| AIAVLPVTLDTMNR               | Q8BVI4 | 0          | N-term +28.03 Da,                          | 6289.005371 | 2 | 820.4751587 | 819.9660118 |
| LLPPDLPLEPECR                | Q8BGT0 | 0.0125261  | N-term +28.03 Da, C +57.02 Da,             | 6303.289063 | 2 | 845.9299927 | 846.4372847 |
| PGGLLLGDEAPNFEANTTIGR        | O08709 | 0.02198534 | N-term +28.03 Da,                          | 6315.162109 | 2 | 1085.540039 | 1085.560581 |
| MEADGLGCAVCVLTGASR           | Q64105 | 0.01048218 | N-term +28.03 Da, C +57.02 Da,             | 6319.111816 | 2 | 948.460022  | 947.9446256 |
| GAAAIAVLPVTLDTMNR            | Q8BVI4 | 0          | N-term +28.03 Da,                          | 6340.334961 | 2 | 920.5       | 919.513858  |
| TFLGGEDFDQALLR               | P38647 | 0          | N-term +28.03 Da,                          | 6342.127441 | 2 | 805.9099731 | 805.4146667 |
| GNFNSLFAFEQALR               | P49429 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6342.831543 | 2 | 1029.02002  | 1028.528552 |
| LDPAFTPATGTPVLGGLSYR         | Q61176 | 0          | N-term +28.03 Da,                          | 6344.23877  | 2 | 1031.040039 | 1031.054402 |

|                                |        |            |  |             |   |             |             |
|--------------------------------|--------|------------|--|-------------|---|-------------|-------------|
| SSWWTHVEMGPPDPILGVTEAFKR       | P05202 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6347.148438 | 3 | 932.4699707 | 932.8107831 |
| SEAAADREDDPNFFKMVEGFFDR        | P26443 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6348.617188 | 4 | 688.3200073 | 688.0695253 |
| SEAAADREDDPNFFKMVEGFFDR        | P26443 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6350.799805 | 3 | 917.4199829 | 917.0902749 |
| VSLCWGKVNNSDEVGGALGR           | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 6369.158203 | 2 | 1096.069946 | 1095.054608 |
| DIAWNFEKFLVGPDPGVVPR           | P11352 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6371.582031 | 3 | 739.4000244 | 739.0685214 |
| SEAAADREDDPNFFKMVEGFFDR        | P26443 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6374.005859 | 3 | 917.0900269 | 917.0902749 |
| VHLTDAEKAASVSLWGKVNNSDEVGGALGR | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 6377.643555 | 3 | 1084.880005 | 1084.894236 |
| SSWWTHVEMGPPDPILGVTEAFKR       | P05202 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6377.760742 | 3 | 932.4699707 | 932.8107831 |
| SEAAADREDDPNFFKMVEGFFDR        | P26443 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6379.070313 | 4 | 688.0684204 | 688.0695253 |
| GPETLCGAELVDALQFVCGPR          | P05017 | 0          | N-term +28.03 Da, C +57.02 Da,             | 6392.416992 | 2 | 1159.079956 | 1159.069401 |
| ELSDFGLESTTGEVPPVAIR           | P27773 | 0          | N-term +28.03 Da,                          | 6394.47168  | 2 | 1074.050049 | 1074.065165 |
| LTAEILELAGNAAR                 | P22752 | 0.00538048 | N-term +28.03 Da,                          | 6400.339844 | 2 | 734.9099731 | 735.4197517 |
| SEAAADREDDPNFFKMVEGFFDR        | P26443 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6405.469727 | 3 | 917.4199829 | 917.0902749 |
| SEAAADREDDPNFFKMVEGFFDR        | P26443 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6409.614746 | 4 | 688.3200073 | 688.0695253 |
| SSWWTHVEMGPPDPILGVTEAFKR       | P05202 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6410.147949 | 3 | 932.4699707 | 932.8107831 |
| GPETLCGAELVDALQFVCGPR          | P05017 | 0          | N-term +28.03 Da, C +57.02 Da,             | 6421.31543  | 3 | 773.0499878 | 773.048693  |
| VKLTAELIEQAAQYTNVAVR           | P57784 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6426.538086 | 2 | 1087.099976 | 1087.612616 |
| KEPLFGISTGNIITGLAAGAKSY        | Q8C196 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6433.469238 | 3 | 798.1099854 | 798.121063  |
| APDLSGTLESIPDKLKEFGNTLEDKAR    | P34928 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6435.396484 | 4 | 765.1599731 | 764.9183135 |
| VHLTDAEKAASVSLWGKVNNSDEVGGALGR | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 6438.391113 | 3 | 1084.540039 | 1084.894236 |
| VDGLDPAFTPATGTPVLGGLSYR        | Q61176 | 0          | N-term +28.03 Da,                          | 6458.055176 | 2 | 1166.599976 | 1166.612814 |
| DPAIYFKEQFLDGDWNTNR            | P14211 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6461.431152 | 2 | 1172.060059 | 1171.576231 |
| DPAIYFKEQFLDGDWNTNR            | P14211 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6463.221191 | 3 | 782.039978  | 781.3865794 |
| AKVAVLGASGGIGQPLSLLKNSPLVSR    | P08249 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6474.833496 | 4 | 708.1799927 | 708.1876633 |
| AVGGQVLSELFNTNR                | Q8VCT4 | 0.00603318 | N-term +28.03 Da,                          | 6476.97168  | 2 | 760.4099731 | 759.9173762 |
| SEAAADREDDPNFFKMVEGFFDR        | P26443 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6480.244629 | 4 | 688.3200073 | 688.0695253 |
| VHLTDAEKAASVSLWGKVNNSDEVGGALGR | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 6486.585449 | 3 | 1084.540039 | 1084.894236 |
| AKVAVLGASGGIGQPLSLLKNSPLVSR    | P08249 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6492.847656 | 3 | 943.9099731 | 943.9144589 |
| NFNSLFKAFEEEEQALR              | P49429 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6495.869629 | 2 | 1000.5      | 1000.01782  |
| DPAIYFKEQFLDGDWNTNR            | P14211 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6501.074219 | 3 | 781.710022  | 781.3865794 |
| NFNSLFKAFEEEEQALR              | P49429 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6502.464844 | 2 | 1000        | 1000.01782  |
| VHLTDAEKAASVSLWGKVNNSDEVGGALGR | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 6515.01709  | 4 | 813.9099731 | 813.922496  |
| VHLTDAEKAASVSLWGKVNNSDEVGGALGR | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 6518.817383 | 3 | 1084.880005 | 1084.894236 |
| FIDLPEFPFGLPR                  | O35490 | 0.04946365 | N-term +28.03 Da,                          | 6528.566406 | 2 | 852.9500122 | 852.9534273 |
| GELPVEDDIDLSVLDLLEKDEL         | Q922R8 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6533.916016 | 2 | 1386.670044 | 1386.165867 |
| VDGLDPAFTPATGTPVLGGLSYR        | Q61176 | 0          | N-term +28.03 Da,                          | 6539.480957 | 2 | 1166.589966 | 1166.612814 |
| GKQGFIDLPEFPFGLPR              | O35490 | 0.00082102 | N-term +28.03 Da, K +28.03 Da,             | 6557.454102 | 2 | 1052.550049 | 1052.067312 |
| SPVWEEASQSLFVDIPSIIICR         | Q64374 | 0.04125616 | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 6579.65625  | 3 | 911.1500244 | 910.8226888 |
| ELDPGVVDNFPLLK                 | P30115 | 0.04790419 | N-term +28.03 Da, K +28.03 Da,             | 6582.702637 | 2 | 806.460022  | 806.4532603 |
| KQGFIDLPEFPFGLPR               | O35490 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6582.801758 | 2 | 1024.040039 | 1023.55658  |

|                              |        |            |  |             |   |             |             |
|------------------------------|--------|------------|--|-------------|---|-------------|-------------|
| KQGFIDLPEFPFGLPR             | O35490 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6592.816406 | 2 | 1023.539978 | 1023.55658  |
| PPQLHNGLDLSAKVIQGSLSLPQAVR   | Q922V4 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6615.57959  | 3 | 982.1900024 | 981.8732114 |
| VHLTDAEKSAVSLWAKVNPDEVGGALGR | P02089 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 6627.054688 | 3 | 1098.22998  | 1098.238002 |
| TEGAELVDAVLDDVVR             | Q9D6F9 | 0.0310278  | N-term +28.03 Da,                          | 6628.690918 | 2 | 808.4500122 | 807.4408818 |
| VHLTDAEKSAVSLWAKVNPDEVGGALGR | P02089 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 6631.722168 | 3 | 1098.890015 | 1098.238002 |
| AIAELGIYPAVDPLDSTSR          | P56480 | 0          | N-term +28.03 Da,                          | 6653.609863 | 2 | 1009.02002  | 1008.536043 |
| AIAELGIYPAVDPLDSTSR          | P56480 | 0          | N-term +28.03 Da,                          | 6654.286621 | 2 | 1008.52002  | 1008.536043 |
| IMFGVPSVIVSR                 | Q8VCC2 | 0.02012072 | N-term +28.03 Da,                          | 6668.31543  | 2 | 666.3800049 | 666.8890434 |
| TATFAQALQSVPETQVSILDNGLR     | Q9CZ13 | 0          | N-term +28.03 Da,                          | 6672.555664 | 3 | 862.789978  | 863.1290581 |
| DEVGVDVAQHVADLKGAFGER        | Q8BMS1 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6684.715332 | 3 | 800.4000244 | 799.7396818 |
| APPSVFAQVPQAPPVLVFKL         | P05201 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6686.65332  | 3 | 721.4299927 | 721.0976406 |
| FFLTVPESVLKVAR               | P55264 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6689.084961 | 2 | 875.0021362 | 875.0191016 |
| GVDLLADAVAVTMGPKGR           | P63038 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6689.289551 | 2 | 913.4990234 | 913.513858  |
| IAELGIYPAVDPLDSTSR           | P56480 | 0          | N-term +28.03 Da,                          | 6689.438477 | 2 | 973         | 973.0174857 |
| APPSVFAQVPQAPPVLVFKL         | P05201 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6689.779785 | 2 | 1081.140015 | 1081.142823 |
| ALAMEKNLNQALLDLHALGSAR       | P29391 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6691.804199 | 3 | 802.7700195 | 802.4492966 |
| AIVDAALSALR                  | Q922R8 | 0          | N-term +28.03 Da,                          | 6691.884766 | 2 | 564.3400269 | 564.3427833 |
| SPVLLDFFDESELYR              | Q9ESB3 | 0          | N-term +28.03 Da,                          | 6696.613281 | 2 | 930.4699707 | 929.4670969 |
| VAAFAQFGSDLDAATQQLSR         | Q03265 | 0          | N-term +28.03 Da,                          | 6698.404785 | 3 | 746.3900146 | 746.3902124 |
| TATFAQALQSVPETQVSILDNGLR     | Q9CZ13 | 0          | N-term +28.03 Da,                          | 6699.013184 | 2 | 1293.689941 | 1294.189949 |
| SEAAADREDDPNFFKMVEGFFDR      | P26443 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6710.196777 | 3 | 917.0900269 | 917.0902749 |
| DEGLPILNALEVQGR              | P56480 | 0          | N-term +28.03 Da,                          | 6711.575195 | 2 | 875.4699707 | 874.9807055 |
| YFDSFGDLSSASAIMGNAK          | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6713.70166  | 2 | 1018.469971 | 1018.985328 |
| APPSVFAQVPQAPPVLVFKL         | P05201 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6717.733887 | 3 | 721.098938  | 721.0976406 |
| APPSVFAQVPQAPPVLVFKL         | P05201 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6720.256836 | 2 | 1082.150024 | 1081.142823 |
| TVFFDITADDEPLGR              | P17742 | 0          | N-term +28.03 Da,                          | 6721.295898 | 2 | 862.9199829 | 862.4305143 |
| ALAMEKNLNQALLDLHALGSAR       | P29391 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6723.189453 | 3 | 802.7700195 | 802.4492966 |
| VHLTDAEKSAVSLWAKVNPDEVGGALGR | P02089 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 6723.539551 | 3 | 1098.22998  | 1098.238002 |
| VKLTAEIEQAAQYTNVAVR          | P57784 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6729.063965 | 3 | 725.4000244 | 725.4108362 |
| SEAAADREDDPNFFKMVEGFFDR      | P26443 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6733.025879 | 4 | 687.8200073 | 688.0695253 |
| VHLTDAEKSAVSLWAKVNPDEVGGALGR | P02089 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 6733.17041  | 4 | 823.9199829 | 823.930321  |
| AVWPTLVLDINSLDSLTEAYKLR      | Q9R0H0 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6737.800781 | 3 | 854.1400146 | 854.1388941 |
| TATFAQALQSVPETQVSILDNGLR     | Q9CZ13 | 0.04787552 | N-term +28.03 Da,                          | 6741.017578 | 3 | 863.1300049 | 863.1290581 |
| SEAAADREDDPNFFKMVEGFFDR      | P26443 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6743.21875  | 4 | 688.5700073 | 688.0695253 |
| VHLTDAEKAASVSLWGKVNDEVGGALGR | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 6744.741699 | 3 | 1084.880005 | 1084.894236 |
| LLAAAGVEFEKFLKTR             | P30115 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6745.896973 | 3 | 670.0499878 | 669.3943457 |
| GTIDFPEFLTMMAR               | P62204 | 0          | N-term +28.03 Da,                          | 6754.02832  | 2 | 829.4099731 | 828.909848  |
| SEAAADREDDPNFFKMVEGFFDR      | P26443 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6763.896484 | 4 | 687.8200073 | 688.0695253 |
| LDPGVVDNFPLLK                | P30115 | 0.00944767 | N-term +28.03 Da, K +28.03 Da,             | 6767.104004 | 2 | 742.4199829 | 741.9319632 |
| DIDLSDELDDLEKDEL             | Q922R8 | 0.0023511  | N-term +28.03 Da, K +28.03 Da,             | 6774.294434 | 2 | 1015.98999  | 1016.496447 |

|                                      |        |            |  |             |   |             |             |
|--------------------------------------|--------|------------|--|-------------|---|-------------|-------------|
| VHLTDAEKA AVSCLWGK VNSDEVGG EALGR    | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 6781.94873  | 4 | 813.9099731 | 813.922496  |
| VHLTDAEKA AVSCLWGK VNSDEVGG EALGR    | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 6782.298828 | 4 | 813.6599731 | 813.922496  |
| EELQVFR                              | Q8K4P0 | 0.04784689 | N-term +28.03 Da,                          | 6782.63623  | 2 | 475.2600098 | 474.7610945 |
| EEVEGSLLLGSVQGYMEQASK                | P33622 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6791.068848 | 2 | 1155.579956 | 1155.580322 |
| PMILGYWNV R                          | P10649 | 0          | N-term +28.03 Da,                          | 6801.33252  | 2 | 639.3599854 | 638.8471783 |
| YLN FVKGVVSDDLPLNVSR                 | P08113 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6808.533691 | 2 | 1153.609985 | 1153.623181 |
| VHLTDAEKA AVSCLWGK VNSDEVGG EALGR    | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 6809.837891 | 3 | 1084.540039 | 1084.894236 |
| VHLTDAEKA AVSCLWGK VNSDEVGG EALGR    | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 6811.366699 | 3 | 1084.880005 | 1084.894236 |
| SEAAADREDDPNFFKMVEGFFDR              | P26443 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6816.209473 | 3 | 916.75      | 917.0902749 |
| EELDPGVVDNFPLLKALR                   | P30115 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6828.874023 | 2 | 1041.569946 | 1041.085702 |
| ADEVGVDVAQHVAEDLGKAFGER              | Q8BMS1 | 0.02764977 | N-term +28.03 Da, K +28.03 Da,             | 6829.742188 | 3 | 823.7399902 | 823.4187199 |
| VITAFNDGLNHLDSLKGTG F                | P02088 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6830.05957  | 2 | 1060.050049 | 1059.565134 |
| DP AIYFKEQFLDGD AW TNR               | P14211 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6838.694824 | 3 | 782.039978  | 781.3865794 |
| NDIAWNFEKFLVGPDPGVPVR                | P11352 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6839.353027 | 3 | 776.7399902 | 777.0828308 |
| EAQAWAEAEAKAWAE AQAR                 | E9PYF4 | 0.03104787 | N-term +28.03 Da, K +28.03 Da,             | 6843.443359 | 2 | 1073.050049 | 1072.03199  |
| SEAAADREDDPNFFKMVEGFFDR              | P26443 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6848.149414 | 3 | 916.75      | 917.0902749 |
| VDLLADAVAVTMGP KGR                   | P63038 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6851.26416  | 2 | 885.4899902 | 885.003126  |
| FVEGLPINDFSR                         | P14152 | 0.00814212 | N-term +28.03 Da,                          | 6857.618164 | 2 | 710.8599854 | 711.3748125 |
| DP AIYFKEQFLDGD AW TNR               | P14211 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6868.43457  | 2 | 1172.569946 | 1171.576231 |
| DP AIYFKEQFLDGD AW TNR               | P14211 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6871.915039 | 3 | 781.710022  | 781.3865794 |
| LP EFPFGLEPR                         | Q35490 | 0.0370138  | N-term +28.03 Da,                          | 6879.782227 | 2 | 664.8699951 | 665.3637159 |
| VDLLADAVAVTMGP KGR                   | P63038 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6883.672363 | 2 | 884.9866943 | 885.003126  |
| ELDPGVVDNFPLLKALR                    | P30115 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6942.215332 | 2 | 976.5465088 | 976.5644053 |
| SEAAADREDDPNFFKMVEGFFDR              | P26443 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6953.305664 | 3 | 917.75      | 917.0902749 |
| AALAMEKLNQALLDLHALGSAR               | P29391 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6953.557617 | 3 | 826.4500122 | 826.1283346 |
| GQNDLMGTAEDFADQFLR                   | Q64310 | 0          | N-term +28.03 Da,                          | 6961.682617 | 2 | 1028.47998  | 1028.475659 |
| FTP SLDSDF TFLPAGR                   | Q9CXE7 | 0          | N-term +28.03 Da,                          | 6963.002441 | 2 | 950.4699707 | 950.477996  |
| DGKITEEEVISGYLVPACSYK GK KDNWR LSFAR | Q8C525 | 0.04123077 | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 6967.98291  | 4 | 1059.540039 | 1059.056782 |
| SEAAADREDDPNFFKMVEGFFDR              | P26443 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6973.26123  | 3 | 917.0800171 | 917.0902749 |
| ELDPGVVDNFPLLKALR                    | P30115 | 0          | N-term +28.03 Da, K +28.03 Da,             | 6974.685059 | 2 | 977.0499878 | 976.5644053 |
| VNPTVFFDITADDEPLGR                   | P17742 | 0          | N-term +28.03 Da,                          | 7036.077637 | 2 | 1017.51001  | 1017.512568 |
| DLTDYLMKILTER                        | P60710 | 0          | N-term +28.03 Da, K +28.03 Da,             | 7044.762695 | 3 | 556.3099976 | 556.3076607 |
| ASQFFKGSASSALELTEEELATAEAVR          | Q8R0Y6 | 0          | N-term +28.03 Da, K +28.03 Da,             | 7050.092285 | 3 | 966.8200073 | 966.8292263 |
| LDPGVVDNFPLLKALR                     | P30115 | 0          | N-term +28.03 Da, K +28.03 Da,             | 7067.155762 | 2 | 912.0300293 | 912.0431082 |
| VDFIDVATKVMIGESIDEKR                 | Q8C196 | 0          | N-term +28.03 Da, K +28.03 Da,             | 7086.94043  | 3 | 783.75      | 783.7626585 |
| VNPTVFFDITADDEPLGR                   | P17742 | 0          | N-term +28.03 Da,                          | 7090.200684 | 2 | 1017.01001  | 1017.512568 |
| LDPGVVDNFPLLKALR                     | P30115 | 0          | N-term +28.03 Da, K +28.03 Da,             | 7097.976563 | 2 | 912.0252075 | 912.0431082 |
| LDPGVVDNFPLLKALR                     | P30115 | 0          | N-term +28.03 Da, K +28.03 Da,             | 7128.859375 | 2 | 912.0253906 | 912.0431082 |
| TATFAQALQSV PETQVSILDNGLR            | Q9CZ13 | 0          | N-term +28.03 Da,                          | 7141.946289 | 3 | 863.4500122 | 863.1290581 |
| FDVDGLDPAFTPATGTPVLGGLSYR            | Q61176 | 0          | N-term +28.03 Da,                          | 7146.546387 | 2 | 1298.640015 | 1297.660493 |

|                                     |        |            |                                |             |   |             |             |
|-------------------------------------|--------|------------|--------------------------------|-------------|---|-------------|-------------|
| VEELDPGVVDNFPLLKALR                 | P30115 | 0          | N-term +28.03 Da, K +28.03 Da, | 7146.697266 | 2 | 1091.099976 | 1090.61991  |
| MIQLIATPSNALVDEPVSIR                | Q8BGG9 | 0.00083963 | N-term +28.03 Da,              | 7147.974121 | 3 | 732.0700073 | 732.4083268 |
| EAALAMEKNLNQALLDLHALGSAR            | P29391 | 0.009319   | N-term +28.03 Da, K +28.03 Da, | 7154.021973 | 3 | 869.460022  | 869.1425327 |
| MIQLIATPSNALVDEPVSIR                | Q8BGG9 | 0          | N-term +28.03 Da,              | 7158.385742 | 3 | 732.4000244 | 732.4083268 |
| VEELDPGVVDNFPLLK                    | P30115 | 0.00083472 | N-term +28.03 Da, K +28.03 Da, | 7163.09082  | 2 | 919.9899902 | 920.5087646 |
| NVPAGPGGSQQVDLASVLTPEIMAPILANADVQER | Q9JKV1 | 0          | N-term +28.03 Da,              | 7169.584961 | 3 | 1196.290039 | 1195.957565 |
| AMLGDFVNMVEKGIIDPTKVVR              | P63038 | 0.02821522 | N-term +28.03 Da, K +28.03 Da, | 7174.824707 | 3 | 839.1300049 | 839.4708213 |
| VEELDPGVVDNFPLLKALR                 | P30115 | 0          | N-term +28.03 Da, K +28.03 Da, | 7187.13623  | 2 | 1091.099976 | 1090.61991  |
| PEIMAPILANADVQER                    | Q9JKV1 | 0          | N-term +28.03 Da,              | 7188.299316 | 2 | 897.4699707 | 897.9745659 |
| VVIAADMGLSGYGLAR                    | P99026 | 0          | N-term +28.03 Da,              | 7191.54834  | 2 | 826.4400024 | 825.9478192 |
| VEEFIWPAVQSSALYEDR                  | P16460 | 0.00083893 | N-term +28.03 Da,              | 7192.329102 | 2 | 1085.030029 | 1084.03895  |
| AAGVSVFPFWPGLFAK                    | P47955 | 0          | N-term +28.03 Da, K +28.03 Da, | 7195.907227 | 2 | 866.4624634 | 866.4770694 |
| NVPAGPGGSQQVDLASVLTPEIMAPILANADVQER | Q9JKV1 | 0          | N-term +28.03 Da,              | 7200.580078 | 3 | 1195.959961 | 1195.957565 |
| SSAGLPPLSATSFLEDLMR                 | Q75N73 | 0          | N-term +28.03 Da,              | 7203.639648 | 2 | 1068.540039 | 1068.038093 |
| QFDEGLPPIINALEVQGR                  | P56480 | 0.00082645 | N-term +28.03 Da,              | 7209.005859 | 2 | 1013.030029 | 1012.544202 |
| VEELDPGVVDNFPLLKALR                 | P30115 | 0          | N-term +28.03 Da, K +28.03 Da, | 7218.875488 | 2 | 1090.599976 | 1090.61991  |
| VEEFIWPAVQSSALYEDR                  | P16460 | 0          | N-term +28.03 Da,              | 7227.926758 | 2 | 1085.030029 | 1084.03895  |
| DLAILLGMLDPVEKDANNMPVTAR            | D3Z0Y2 | 0          | N-term +28.03 Da, K +28.03 Da, | 7230.178711 | 3 | 885.1400146 | 884.8081623 |
| SFDVDGLDPAFTPATGTPVLGGLSYR          | Q61176 | 0          | N-term +28.03 Da,              | 7233.854004 | 2 | 1340.660034 | 1341.176507 |
| AVWPTLVLDINSLDSLTEAYKLR             | Q9R0H0 | 0          | N-term +28.03 Da, K +28.03 Da, | 7239.812988 | 3 | 853.7999878 | 854.1388941 |
| AIAELDTLSEESYKDSTLIMQLLR            | P62259 | 0.00083126 | N-term +28.03 Da, K +28.03 Da, | 7245.778809 | 3 | 932.8300171 | 932.4964192 |
| DKVTYVDFLAYDILDQYR                  | P10649 | 0          | N-term +28.03 Da, K +28.03 Da, | 7247.09082  | 3 | 765.3900146 | 765.0632138 |
| AVWPTLVLDINSLDSLTEAYKLR             | Q9R0H0 | 0          | N-term +28.03 Da, K +28.03 Da, | 7254.27002  | 3 | 854.1400146 | 854.1388941 |
| GDKVTYVDFLAYDILDQYR                 | P10649 | 0          | N-term +28.03 Da, K +28.03 Da, | 7263.758301 | 3 | 784.4000244 | 784.0703685 |
| DLAILLGMLDPVEKDANNMPVTAR            | D3Z0Y2 | 0          | N-term +28.03 Da, K +28.03 Da, | 7267.219238 | 3 | 885.1400146 | 884.8081623 |
| DKVTYVDFLAYDILDQYR                  | P10649 | 0          | N-term +28.03 Da, K +28.03 Da, | 7277.250488 | 2 | 1147.069946 | 1147.091182 |
| DKVTYVDFLAYDILDQYR                  | P10649 | 0          | N-term +28.03 Da, K +28.03 Da, | 7278.511719 | 3 | 765.3900146 | 765.0632138 |
| AGDKVTYVDFLAYDILDQYR                | P10649 | 0          | N-term +28.03 Da, K +28.03 Da, | 7280.219238 | 3 | 807.7399902 | 807.7494066 |
| FDVDGLDPAFTPATGTPVLGGLSYR           | Q61176 | 0          | N-term +28.03 Da,              | 7283.356934 | 2 | 1298.140015 | 1297.660493 |
| VNPTVFFDITADDEPLGR                  | P17742 | 0          | N-term +28.03 Da,              | 7286.166992 | 2 | 1018.5      | 1017.512568 |
| FDVDGLDPAFTPATGTPVLGGLSYR           | Q61176 | 0          | N-term +28.03 Da,              | 7293.95166  | 3 | 866.0999756 | 865.442754  |
| FDVDGLDPAFTPATGTPVLGGLSYR           | Q61176 | 0          | N-term +28.03 Da,              | 7300.447754 | 2 | 1297.650024 | 1297.660493 |
| PHWVAAERTEKNGVQR                    | Q9Z1D8 | 0.00160514 | N-term +28.03 Da, K +28.03 Da, | 7302.154297 | 2 | 967.5100098 | 967.5213946 |
| MITSAAGIISLLDEEEPQLKEF              | Q3TXS7 | 0          | N-term +28.03 Da, K +28.03 Da, | 7304.520996 | 3 | 831.1099854 | 830.7731123 |
| MITSAAGIISLLDEEEPQLKEF              | Q3TXS7 | 0          | N-term +28.03 Da, K +28.03 Da, | 7311.910156 | 2 | 1246.160034 | 1245.65603  |
| VADALANAAGHLDDLPGALSALSDLHAH        | Q91VB8 | 0          | N-term +28.03 Da,              | 7336.536133 | 3 | 921.789978  | 921.8068668 |
| VNPTVFFDITADDEPLGR                  | P17742 | 0          | N-term +28.03 Da,              | 7342.720215 | 2 | 1017.5      | 1017.512568 |
| VEELDPGVVDNFPLLKALR                 | P30115 | 0          | N-term +28.03 Da, K +28.03 Da, | 7343.286133 | 2 | 1090.599976 | 1090.61991  |
| MITSAAGIISLLDEEEPQLKEF              | Q3TXS7 | 0          | N-term +28.03 Da, K +28.03 Da, | 7348.17041  | 3 | 831.1099854 | 830.7731123 |
| VNPTVFFDITADDEPLGR                  | P17742 | 0          | N-term +28.03 Da,              | 7358.580566 | 2 | 1018.5      | 1017.512568 |

|   |        |            |  |             |   |             |             |
|---|--------|------------|--|-------------|---|-------------|-------------|
| IDLSDVELDDLEKDEL                        | Q922R8 | 0.03373647 | N-term +28.03 Da, K +28.03 Da,             | 7362.708008 | 2 | 958.4799805 | 958.9829751 |
| IGDIMFGVPSVIVSR                         | Q8VCC2 | 0          | N-term +28.03 Da,                          | 7364.073242 | 2 | 809.4400024 | 809.4552797 |
| MITSAAGIISLLDEEEPQLKEF                  | Q3TXS7 | 0          | N-term +28.03 Da, K +28.03 Da,             | 7369.607422 | 2 | 1246.160034 | 1245.65603  |
| LVTLEEFLASTQR                           | Q02819 | 0          | N-term +28.03 Da,                          | 7372.636719 | 2 | 767.4199829 | 767.9274097 |
| VNPTVFFDITADDEPLGR                      | P17742 | 0          | N-term +28.03 Da,                          | 7374.640137 | 2 | 1017.496643 | 1017.512568 |
| VMEETFSYLLGR                            | Q61176 | 0.03065884 | N-term +28.03 Da,                          | 7379.974121 | 2 | 737.3900146 | 736.8763309 |
| VEELDPGVVDNFPLLKALR                     | P30115 | 0          | N-term +28.03 Da, K +28.03 Da,             | 7386.765625 | 2 | 1090.099976 | 1090.61991  |
| VNPTVFFDITADDEPLGR                      | P17742 | 0          | N-term +28.03 Da,                          | 7405.394043 | 2 | 1017.495056 | 1017.512568 |
| QLNQLEQYLEIGLEPR                        | Q63880 | 0          | N-term +28.03 Da,                          | 7434.183594 | 2 | 986.0200195 | 986.0309272 |
| ADSSVQLLAEEAVTLDMLDLGAAR                | Q9D3D9 | 0          | N-term +28.03 Da,                          | 7492.558594 | 3 | 839.7700195 | 839.4352709 |
| ADSSVQLLAEEAVTLDMLDLGAAR                | Q9D3D9 | 0          | N-term +28.03 Da,                          | 7542.682617 | 3 | 839.7700195 | 839.4352709 |
| ATMNVPPAGPGGSQQVDLASVLTPEIMAPILANADVQER | Q9JKV1 | 0          | N-term +28.03 Da,                          | 7569.571289 | 3 | 1296.660034 | 1296.999325 |
| YRCGESPVWEEASQSLFVDIPSKIICR             | Q64374 | 0          | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 7597.653809 | 3 | 1132.22998  | 1132.575738 |
| SSAGLPPLSATSFLEDLMDR                    | Q75N73 | 0          | N-term +28.03 Da,                          | 7666.429688 | 2 | 1067.52002  | 1068.038093 |
| VNPTVFFDITADDEPLGR                      | P17742 | 0          | N-term +28.03 Da,                          | 7667.401367 | 2 | 1017        | 1017.512568 |
| LSFDVDGLDPAFTPATGTPVLGGLSYR             | Q61176 | 0          | N-term +28.03 Da,                          | 7674.257324 | 2 | 1398.699951 | 1397.71854  |
| LSFDVDGLDPAFTPATGTPVLGGLSYR             | Q61176 | 0          | N-term +28.03 Da,                          | 7678.647461 | 2 | 1397.709961 | 1397.71854  |
| QGFIDLPEFPFGLLEPR                       | O35490 | 0          | N-term +28.03 Da,                          | 7688.656738 | 2 | 945.4799805 | 945.4934485 |
| LVVPSVLFAAVGTAGQR                       | Q9DBF1 | 0          | N-term +28.03 Da,                          | 7719.719238 | 2 | 856.9899902 | 857.0065255 |
| TLGVDFIDVATKVMIGESIDEKR                 | Q8C196 | 0          | N-term +28.03 Da, K +28.03 Da,             | 7723.024902 | 3 | 874.1300049 | 874.1470611 |
| IHTQPPPPPIPEVVATWEAISLGR                | Q8BGA8 | 0          | N-term +28.03 Da,                          | 7723.473633 | 3 | 878.4799805 | 878.4865165 |
| AFAQFGSDLAATQQLLSR                      | Q03265 | 0          | N-term +28.03 Da,                          | 7731.503418 | 2 | 1034.01001  | 1034.028916 |
| ELDTLSEESYKDSTLIMQLLR                   | P62259 | 0          | N-term +28.03 Da, K +28.03 Da,             | 7739.544434 | 3 | 848.0999756 | 847.443655  |
| ELDTLSEESYKDSTLIMQLLR                   | P62259 | 0          | N-term +28.03 Da, K +28.03 Da,             | 7742.411621 | 2 | 1270.640015 | 1270.661844 |
| TLGVDFIDVATKVMIGESIDEKR                 | Q8C196 | 0          | N-term +28.03 Da, K +28.03 Da,             | 7755.91748  | 3 | 874.4699707 | 874.1470611 |
| IHTQPPPPPIPEVVATWEAISLGR                | Q8BGA8 | 0          | N-term +28.03 Da,                          | 7760.315918 | 3 | 878.4799805 | 878.4865165 |
| MLGDFVNMVEKGIIDPTKVVR                   | P63038 | 0          | N-term +28.03 Da, K +28.03 Da,             | 7764.956543 | 3 | 816.4500122 | 815.7917833 |
| EINEKIAPSAVESMEDALKAADTIGYPVMIR         | Q8C196 | 0.04227941 | N-term +28.03 Da, K +28.03 Da,             | 7774.862793 | 3 | 1198.609985 | 1198.292897 |
| VDFLAYDILDQYR                           | P10649 | 0          | N-term +28.03 Da,                          | 7789.491699 | 2 | 829.9099731 | 829.9248672 |
| VDFLAYDILDQYR                           | P10649 | 0          | N-term +28.03 Da,                          | 7821.178223 | 2 | 829.4099731 | 829.9248672 |
| IHTQPPPPPIPEVVATWEAISLGR                | Q8BGA8 | 0          | N-term +28.03 Da,                          | 7828.820313 | 3 | 878.4799805 | 878.4865165 |
| NVPAGPGGSQQVDLASVLTPEIMAPILANADVQER     | Q9JKV1 | 0          | N-term +28.03 Da,                          | 7845.44873  | 3 | 1195.619995 | 1195.957565 |
| MEAALAMEKNLNQALLDLHALGSAR               | P29391 | 0          | N-term +28.03 Da, K +28.03 Da,             | 7858.726563 | 3 | 913.1500244 | 912.8226944 |
| VDFIDVATKVMIGESIDEKR                    | Q8C196 | 0          | N-term +28.03 Da, K +28.03 Da,             | 7870.943848 | 3 | 783.75      | 783.7626585 |
| EVCKMLIHMR                              | Q9DBY8 | 0.00983837 | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 7901.198242 | 2 | 687.3599854 | 686.8667307 |
| VHLTDAEKAASVCLWGKVNSEVGGGALGR           | P02088 | 0.01318529 | N-term +28.03 Da, K +28.03 Da,C +57.02 Da, | 8193.332031 | 4 | 814.4199829 | 813.922496  |
| GSGMCKAGFAGDDAPR                        | P60710 | 0          | N-term +14.02 Da, K +28.03 Da,             | 1515.672119 | 3 | 547.5774536 | 547.9222521 |
| PQDQGEKENPMR                            | A2BH06 | 0          | N-term +14.02 Da, K +28.03 Da,             | 1609.43103  | 2 | 736.8499756 | 737.3618729 |
| EQAEAEVASLNR                            | D3Z618 | 0.03030303 | N-term +14.02 Da,                          | 2286.998535 | 2 | 666.8300171 | 667.3414634 |
| HQGVVMVGMGQKDSYVGDQASKR                 | P60710 | 0          | N-term +14.02 Da, K +28.03 Da,             | 2935.334473 | 3 | 861.0800171 | 860.7617638 |

|   |        |            |                                |             |   |             |             |
|---|--------|------------|--------------------------------|-------------|---|-------------|-------------|
| SGQAEFDKAAEEVKR                         | F6WUQ1 | 0.01666667 | N-term +14.02 Da, K +28.03 Da, | 3033.356445 | 2 | 868.9500122 | 869.4626419 |
| MSQAEFDKAAEEVKR                         | P31786 | 0.01851852 | N-term +14.02 Da, K +28.03 Da, | 3042.675049 | 3 | 604.6500244 | 604.6505271 |
| PPQLHNGLDLSAK                           | Q9Z2V4 | 0.03125    | N-term +14.02 Da, K +28.03 Da, | 3097.012207 | 3 | 489.9299927 | 490.2700859 |
| HVGDLGNVTAGKDGVANVSIEDR                 | P08228 | 0          | N-term +14.02 Da, K +28.03 Da, | 3151.605225 | 4 | 592.5599976 | 592.8120945 |
| VAPEEHPVLLTEAPLNPKANR                   | P60710 | 0          | N-term +14.02 Da, K +28.03 Da, | 3163.8125   | 4 | 585.5800171 | 585.8325638 |
| PAMEPGNGSLDLGGDAAGR                     | Q8VEK3 | 0          | N-term +14.02 Da,              | 3336.968994 | 2 | 900.9199829 | 901.4310162 |
| LIGDAAKNQLTSNPENTVFDAGR                 | P20029 | 0          | N-term +14.02 Da, K +28.03 Da, | 3376.656494 | 4 | 644.3499756 | 644.6026732 |
| VFDKDGNGYISAAELR                        | P62204 | 0          | N-term +14.02 Da, K +28.03 Da, | 3456.894531 | 3 | 600.3099976 | 600.6494034 |
| PTAVVDAQTKVIGVENLR                      | Q8BJ64 | 0          | N-term +14.02 Da, K +28.03 Da, | 3479.033691 | 3 | 652.0499878 | 652.3826577 |
| HVGDLGNVTAGKDGVANVSIEDR                 | P08228 | 0          | N-term +14.02 Da, K +28.03 Da, | 3528.345215 | 3 | 790.4000244 | 790.0803672 |
| NVLSGGTTMYPGIADR                        | P62737 | 0          | N-term +14.02 Da,              | 3611.767822 | 2 | 834.4299927 | 834.9248377 |
| PMTLGYWNTR                              | P19639 | 0.01694915 | N-term +14.02 Da,              | 3741.268311 | 2 | 627.8099976 | 628.3187472 |
| PEQKGVPTGFVLPPIR                        | Q9Z2D8 | 0          | N-term +14.02 Da, K +28.03 Da, | 3922.763916 | 3 | 561.3300171 | 561.6715905 |
| QSELSGADEAAR                            | Q9D3D9 | 0          | N-term +14.02 Da,              | 3985.184326 | 2 | 662.3300171 | 661.3232708 |
| PPKTVGIDDLTGEPLIQR                      | Q9WTP7 | 0.01923077 | N-term +14.02 Da, K +28.03 Da, | 3995.407959 | 3 | 665.0499878 | 665.3825464 |
| PYLPNVDEEVQIGHVPR                       | P11276 | 0          | N-term +14.02 Da,              | 4001.943115 | 3 | 660.0100098 | 660.3513576 |
| NKELDPVQKLFVDKIR                        | P97450 | 0.02941176 | N-term +14.02 Da, K +28.03 Da, | 4023.505127 | 4 | 511.3099976 | 511.56483   |
| TFASLSELHCDKLHVDPENFR                   | P02088 | 0.01960784 | N-term +14.02 Da, K +28.03 Da, | 4047.405273 | 4 | 641.3178101 | 640.8220335 |
| EEEAQLDGLNASQIR                         | P08113 | 0.02       | N-term +14.02 Da,              | 4075.880859 | 2 | 901.4500122 | 901.9682889 |
| DDEVDVDGTVEEDLGKSR                      | P08113 | 0          | N-term +14.02 Da, K +28.03 Da, | 4099.106445 | 2 | 1011.469971 | 1011.979249 |
| PTVDDTSAAVTEEMPPLEGDDTSR                | P07901 | 0          | N-term +14.02 Da,              | 4133.641602 | 2 | 1332.579956 | 1333.095215 |
| PLVVPEKEELPCLGPHGALGR                   | Q8KOR6 | 0.03225806 | N-term +14.02 Da, C +57.02 Da, | 4251.206543 | 3 | 771.4400024 | 771.7647735 |
| PFVELETNLPASR                           | Q35215 | 0.01818182 | N-term +14.02 Da,              | 4294.473633 | 2 | 744.9000244 | 745.4066061 |
| VAGPQPAQTGAPQGSGLGYLFR                  | P29391 | 0          | N-term +14.02 Da,              | 4582.279297 | 2 | 1195.099976 | 1195.611099 |
| DFFSLPLLAPEFVRNIR                       | Q6DFY8 | 0.02985075 | N-term +14.02 Da,              | 4655.578125 | 2 | 1075.589966 | 1074.604358 |
| PPPQAVSTGTPQSPAVAAAAATTTATTTTTSGGHPLFLR | P54728 | 0          | N-term +14.02 Da,              | 4744.869629 | 3 | 1294        | 1293.66929  |
| PPPQAVSTGTPQSPAVAAAAATTTATTTTTSGGHPLFLR | P54728 | 0          | N-term +14.02 Da,              | 4751.160645 | 4 | 970.25      | 970.5037864 |
| PGGLLLDEAPNFEANTTIGR                    | O08709 | 0          | N-term +14.02 Da,              | 4787.497559 | 2 | 1079.560059 | 1080.06071  |
| PGGLLLDEAPNFEANTTIGR                    | O08709 | 0          | N-term +14.02 Da,              | 4809.072266 | 3 | 720.3800049 | 720.376232  |
| PGGLLLDEAPNFEANTTIGR                    | O08709 | 0.03174603 | N-term +14.02 Da,              | 4903.310059 | 2 | 1079.550049 | 1080.06071  |
| PGGLLLDEAPNFEANTTIGR                    | O08709 | 0          | N-term +14.02 Da,              | 4935.526855 | 2 | 1079.550049 | 1080.06071  |
| PPQLHNGLDLSAKVIQGSLSLSPQAVR             | Q9Z2V4 | 0          | N-term +14.02 Da, K +28.03 Da, | 5082.442871 | 4 | 733.6500244 | 733.9067921 |
| QHSKVAQTQAGEAAGGWTGQESLSDSPEMWELLQR     | Q9CZN7 | 0          | N-term +14.02 Da, K +28.03 Da, | 5143.742188 | 3 | 1324.619995 | 1324.965889 |
| PNFLVDFGKEPLGPAHAHLR                    | P17563 | 0          | N-term +14.02 Da, K +28.03 Da, | 5211.692871 | 4 | 592.0800171 | 592.0823816 |
| PSFPASSPYVTTVGGTSFKNPF                  | O89023 | 0          | N-term +14.02 Da, K +28.03 Da, | 5230.675293 | 2 | 1166.589966 | 1167.096761 |
| PAEIDSLWEISKQIEGH                       | Q91YT0 | 0.02898551 | N-term +14.02 Da, K +28.03 Da, | 5335.917969 | 3 | 666.0100098 | 666.3511349 |
| QFTSAGESFNKLVSGKLR                      | Q9CPY7 | 0.01754386 | N-term +14.02 Da, K +28.03 Da, | 5337.505859 | 3 | 681.0499878 | 681.3862907 |
| QLLLESQSQLDEAKSEAQKQSDDELALVR           | Q99PL5 | 0          | N-term +14.02 Da, K +28.03 Da, | 5366.01416  | 3 | 1076.900024 | 1077.249002 |
| AEFDTSEIDSEIAALR                        | P41317 | 0          | N-term +14.02 Da,              | 5367.664063 | 2 | 891.9299927 | 892.4415729 |
| PPQLHNGLDLSAKVIQGSLSLSPQAVR             | Q9Z2V4 | 0.03278689 | N-term +14.02 Da, K +28.03 Da, | 5603.17041  | 4 | 733.6500244 | 733.9067921 |



|                                       |        |            |                                |             |   |             |             |
|---------------------------------------|--------|------------|--------------------------------|-------------|---|-------------|-------------|
| PPQLHNGLDLSAKVIQGSLSLDPQAVR           | Q9Z2V4 | 0          | N-term +14.02 Da, K +28.03 Da, | 5611.428223 | 4 | 734.4000244 | 733.9067921 |
| PAYAPGTGTPEIAGLTPSQALEIIR             | A2AS89 | 0          | N-term +14.02 Da,              | 5776.224121 | 2 | 1270.180054 | 1270.692089 |
| PAYAPGTGTPEIAGLTPSQALEIIR             | A2AS89 | 0          | N-term +14.02 Da,              | 5781.399902 | 3 | 847.1300049 | 847.4638181 |
| PPQLHNGLDLSAKVIQGSLSLDPQAVR           | Q9Z2V4 | 0          | N-term +14.02 Da, K +28.03 Da, | 5803.334473 | 4 | 733.9000244 | 733.9067921 |
| PPQLHNGLDLSAKVIQGSLSLDPQAVR           | Q9Z2V4 | 0          | N-term +14.02 Da, K +28.03 Da, | 5834.948242 | 4 | 733.6500244 | 733.9067921 |
| PPQLHNGLDLSAKVIQGSLSLDPQAVR           | Q9Z2V4 | 0          | N-term +14.02 Da, K +28.03 Da, | 5844.246582 | 3 | 977.8599854 | 978.2066307 |
| AMTRDNLLGRFDLTGIPPAPR                 | P16627 | 0          | N-term +14.02 Da,              | 5959.505859 | 3 | 814.4500122 | 814.7743319 |
| VHLTDAEKAADVSLWGKVNDSDEVGGALGR        | P02088 | 0          | N-term +14.02 Da, K +28.03 Da, | 6119.740234 | 3 | 1081.550049 | 1081.227655 |
| VHLTDAEKAADVSLWGKVNDSDEVGGALGR        | P02088 | 0          | N-term +14.02 Da, K +28.03 Da, | 6126.337402 | 4 | 811.4099731 | 811.1725605 |
| VHLTDAEKAADVSLWGKVNDSDEVGGALGR        | P02088 | 0          | N-term +14.02 Da, K +28.03 Da, | 6139.759277 | 4 | 811.1599731 | 811.1725605 |
| PTTQSPQDEQEKLLDEAIQAVKQVSF            | Q9EQH3 | 0.01724138 | N-term +14.02 Da, K +28.03 Da, | 6210.804199 | 3 | 1044.209961 | 1044.21541  |
| MPMFIVNTNVPR                          | P34884 | 0          | N-term +14.02 Da,              | 6374.244141 | 2 | 718.3900146 | 718.3835643 |
| PVDFNGYWKMLSNENFEEYLR                 | Q00915 | 0          | N-term +14.02 Da, K +28.03 Da, | 6394.615723 | 3 | 899.4199829 | 899.4336416 |
| MYVTQLHR                              | Q8CFY5 | 0.03076923 | N-term +14.02 Da,              | 6533.38623  | 2 | 533.2999878 | 532.789625  |
| MPFVELETNLPASR                        | Q35215 | 0          | N-term +14.02 Da,              | 6771.131836 | 2 | 810.4099731 | 810.9268487 |
| GADQLTEEQIAEFKEAFSLFDKDGDTITTKELGTVMR | Q3UKW2 | 0.01886792 | N-term +14.02 Da, K +28.03 Da, | 7030.730957 | 4 | 1073.540039 | 1073.797781 |
| RMGDSASKVISAEALPGR                    | Q9D6Y7 | 0          | N-term +14.02 Da, K +28.03 Da, | 7053.558105 | 2 | 1011.028381 | 1010.038723 |
| GADQLTEEQIAEFKEAFSLFDKDGDTITTKELGTVMR | Q3UKW2 | 0.01785714 | N-term +14.02 Da, K +28.03 Da, | 7063.163574 | 4 | 1074.040039 | 1073.797781 |
| RMGDSASKVISAEALPGR                    | Q9D6Y7 | 0          | N-term +14.02 Da, K +28.03 Da, | 7085.660156 | 2 | 1011.025574 | 1010.038723 |
| RMGDSASKVISAEALPGR                    | Q9D6Y7 | 0          | N-term +14.02 Da, K +28.03 Da, | 7116.136719 | 2 | 1011.029358 | 1010.038723 |
| VPAWPGGSQQVDLASVLTPEIMAPILANADVQER    | D3YUD8 | 0          | N-term +14.02 Da,              | 7180.227051 | 3 | 1196.959961 | 1197.295958 |
| MPFVELETNLPASR                        | Q35215 | 0          | N-term +14.02 Da,              | 7334.39502  | 2 | 811.9199829 | 810.9268487 |
| VNPTVFFDITADDEPLGR                    | P17742 | 0          | N-term +14.02 Da,              | 7449.811035 | 2 | 1012.5      | 1012.012697 |
| PNGKGLPPWPQLNQLQYLEIGLEPR             | Q63880 | 0          | N-term +14.02 Da, K +28.03 Da, | 7813.072266 | 3 | 1011.210022 | 1011.218648 |
| VNPTVFFDITADDEPLGR                    | P17742 | 0          | N-term +14.02 Da,              | 7813.501953 | 2 | 1012.5      | 1012.012697 |
| QASAAPKAGTATGR                        | P56480 | 0          | K +28.03 Da,                   | 1020.168518 | 3 | 438.9090881 | 438.9089995 |
| EAHKSEIAHR                            | P07724 | 0.01197605 | K +28.03 Da,                   | 1034.69043  | 3 | 402.8789673 | 402.5510347 |
| TAEEDDEADPKR                          | Q9D0J8 | 0          | K +28.03 Da,                   | 1073.169067 | 2 | 709.3254395 | 709.3257149 |
| IGASTQAAQR                            | Q8VCT4 | 0.01546392 |                                | 1090.187988 | 2 | 502.769989  | 501.7699826 |
| PEPAKSAPAPK                           | P10853 | 0.048      | K +28.03 Da,                   | 1095.962524 | 3 | 383.5599976 | 383.5606481 |
| EEAGEEEGSQKR                          | O35381 | 0.03755869 | K +28.03 Da,                   | 1096.815552 | 2 | 689.3099976 | 688.8180569 |
| EDEEEESGKGEKR                         | Q9EST5 | 0          | K +28.03 Da,                   | 1107.550781 | 3 | 569.9199829 | 569.5953646 |
| KHHLDGETEER                           | P10649 | 0          | K +28.03 Da,                   | 1130.051147 | 3 | 503.5709534 | 503.2427075 |
| KHHLDGETEER                           | P10649 | 0          | K +28.03 Da,                   | 1161.213379 | 3 | 503.5706787 | 503.2427075 |
| TDDEVVQR                              | P08113 | 0.02463054 |                                | 1199.755005 | 2 | 481.2329712 | 481.232899  |
| EDVGHSTDAR                            | P56395 | 0.03571429 |                                | 1201.992676 | 2 | 544.2399902 | 543.7441625 |
| EEAGEEEGSQKR                          | O35381 | 0          | K +28.03 Da,                   | 1205.869751 | 2 | 753.8320313 | 753.339354  |
| PSQVVAETR                             | P58252 | 0.00657895 |                                | 1229.311157 | 2 | 493.7651062 | 493.7669086 |
| EATTEQQLR                             | O35490 | 0.01648352 |                                | 1234.962158 | 2 | 538.2700195 | 538.2725556 |
| AAQASAAPKAGTATGR                      | P56480 | 0.03433476 | K +28.03 Da,                   | 1436.983521 | 2 | 729.3900146 | 728.8969751 |

|                    |        |            |                          |             |   |             |             |
|--------------------|--------|------------|--------------------------|-------------|---|-------------|-------------|
| GGVEKGPAALR        | Q61176 | 0.01190476 | K +28.03 Da,             | 1441.818848 | 3 | 361.5488281 | 361.5487423 |
| NGESLSEGDR         | P31809 | 0.01554404 |                          | 1447.699707 | 2 | 532.727478  | 532.2361705 |
| QKEATTEQQLR        | O35490 | 0.03418803 | K +28.03 Da,             | 1557.438599 | 2 | 679.8499756 | 680.3649765 |
| VTDALNATR          | P63038 | 0          |                          | 1560.604248 | 2 | 480.7600098 | 480.7590836 |
| ETMTGEKVK          | P12710 | 0.048583   | K +28.03 Da,             | 1581.752319 | 2 | 540.789978  | 539.7942777 |
| EEEEEEAGEEEGSQKR   | O35381 | 0.02926829 | K +28.03 Da,             | 1623.307861 | 2 | 940.3900146 | 939.8954203 |
| GAQTA AAAAPR       | Q9CQA3 | 0.0372093  |                          | 1800.890869 | 2 | 493.2600098 | 492.7647001 |
| SDEVGGEALGR        | P02088 | 0.01666667 |                          | 1820.844727 | 2 | 545.2620239 | 545.2621881 |
| EEDGDEDEEAEAPTGKR  | P26350 | 0.00645161 | K +28.03 Da,             | 1827.436768 | 2 | 953.3900146 | 952.9032453 |
| DGEEAGAYDGPR       | P27773 | 0          |                          | 1886.929688 | 2 | 619.2600098 | 618.7600101 |
| DGEEAGAYDGPR       | P27773 | 0          |                          | 1889.793335 | 2 | 618.7589111 | 618.7600101 |
| SIGVVGTAEQNR       | O35215 | 0.01265823 |                          | 1968.591797 | 2 | 615.8300171 | 615.8254869 |
| EEEEDEGPVR         | Q9D0J8 | 0.03463203 |                          | 1968.753052 | 2 | 595.25      | 594.7543936 |
| LAPEYAAAATR        | P27773 | 0          |                          | 2034.071167 | 2 | 596.8099976 | 596.3038558 |
| TDFVLEFPR          | Q62452 | 0.04743083 |                          | 2039.645264 | 2 | 562.289978  | 562.2927592 |
| EEEEDEGPVR         | Q9D0J8 | 0          |                          | 2044.882446 | 2 | 659.7700195 | 659.2756907 |
| VNSDEVGGEALGR      | P02088 | 0          |                          | 2104.147949 | 2 | 651.8197021 | 651.8178594 |
| PTGTYHGSDLQLER     | P68372 | 0          |                          | 2170.708008 | 3 | 563.9299927 | 563.6006723 |
| EEEEDEGPVR         | Q9D0J8 | 0.01657459 |                          | 2171.869141 | 2 | 724.2896118 | 723.7969879 |
| RRGEEGHDPKEPEQLR   | Q8BG05 | 0          | K +28.03 Da,             | 2175.095947 | 3 | 654.6599731 | 654.3364415 |
| GYSFTTTAER         | P60710 | 0          |                          | 2252.929443 | 2 | 566.7700195 | 566.7671061 |
| NGSGMCKAGFAGDDAPR  | P60710 | 0.01980198 | K +28.03 Da,C +57.02 Da, | 2258.436279 | 3 | 580.5900269 | 580.2593755 |
| QAVDVSPLR          | P97461 | 0.0245098  |                          | 2311.214355 | 2 | 492.7799988 | 492.7772761 |
| PKVIQPEVDTPPLGR    | Q8VCU1 | 0.03448276 | K +28.03 Da,             | 2374.134277 | 3 | 526.9699707 | 526.3067598 |
| GKVN SDEVGGEALGR   | P02088 | 0.02       | K +28.03 Da,             | 2418.585205 | 2 | 758.8855591 | 758.3917232 |
| PKVIQPEVDTPPLGR    | Q8VCU1 | 0.01212121 | K +28.03 Da,             | 2447.049805 | 3 | 526.9661255 | 526.3067598 |
| PVQKLFVDKIR        | P97450 | 0          | K +28.03 Da,             | 2524.328125 | 4 | 350.480011  | 350.4762419 |
| PVQKLFVDKIR        | P97450 | 0          | K +28.03 Da,             | 2525.361084 | 3 | 466.9700012 | 466.965897  |
| EVAQHLGESTVR       | P56480 | 0.01530612 |                          | 2527.599121 | 2 | 664.3400269 | 663.3440439 |
| LLEFQNDR           | P29391 | 0.03404255 |                          | 2561.542236 | 2 | 517.7700195 | 517.7669086 |
| HAQSFLAQQR         | Q7TMK6 | 0.05       |                          | 2577.095215 | 2 | 594.3094482 | 593.3098062 |
| EEEEEEDEGPVR       | Q9D0J8 | 0          |                          | 2613.400635 | 2 | 910.8400269 | 910.3530542 |
| AAYQVAALPR         | P52760 | 0          |                          | 2701.210449 | 2 | 530.2999878 | 530.3009182 |
| FAQLCEEHGILR       | B5X0G2 | 0.01257862 | C +57.02 Da,             | 2909.546875 | 3 | 491.9200134 | 491.5820065 |
| AGGDATENFEDVGHSTDR | P56395 | 0          |                          | 2925.425049 | 2 | 975.9099731 | 974.9170208 |
| APPLTLDGIKDR       | Q9CR21 | 0.01522843 | K +28.03 Da,             | 2927.582275 | 3 | 441.9253845 | 441.9258789 |
| EIDGGLETLR         | Q9DCW4 | 0.01595745 |                          | 2938.610107 | 2 | 551.289978  | 551.7905812 |
| AKVNPDEVGGEALGR    | P02089 | 0.03381643 | K +28.03 Da,             | 2960.237305 | 2 | 770.9000244 | 770.4099157 |
| VISLSGEHSIIGR      | P08228 | 0          |                          | 2969.3125   | 3 | 456.5899963 | 456.5928999 |
| AQLCEEHGILR        | B5X0G2 | 0.03361345 | C +57.02 Da,             | 3000.187256 | 2 | 664.3300171 | 663.3351643 |

|                          |        |            |                          |             |   |             |             |
|--------------------------|--------|------------|--------------------------|-------------|---|-------------|-------------|
| TMDKSELVQKAKLAEQAER      | Q9CQV8 | 0.03738318 | K +28.03 Da,             | 3051.393799 | 4 | 565.320073  | 565.5648838 |
| QMSGAQIKIANPVEGSSGR      | P60335 | 0.01675978 | K +28.03 Da,             | 3079.777588 | 2 | 978.9899902 | 979.5098361 |
| ATPEASGSGEKVEGSEPSVTTYR  | Q9CQX2 | 0          | K +28.03 Da,             | 3084.991455 | 2 | 1214.579956 | 1215.076991 |
| HVGDLDGNVTAGKDGVANVSIEDR | P08228 | 0          | K +28.03 Da,             | 3114.813232 | 4 | 588.7999878 | 588.554205  |
| QVAMNPTNTVFDADR          | P63017 | 0          | K +28.03 Da,             | 3139.721436 | 2 | 860.4299927 | 860.4459753 |
| CEKAMTAKGGDVSVCWEYR      | P56391 | 0.01515152 | K +28.03 Da,C +57.02 Da, | 3142.623535 | 3 | 768.3499756 | 768.3587615 |
| KFAADAIKLER              | Q93092 | 0          | K +28.03 Da,             | 3179.380859 | 3 | 440.2617798 | 439.9344856 |
| GPKVVTQPEVDTPLGR         | Q63880 | 0.0349345  | K +28.03 Da,             | 3186.811768 | 2 | 811.9400024 | 811.4490409 |
| PSGVKVLTAEDIQER          | P16546 | 0          | K +28.03 Da,             | 3246.444336 | 3 | 600.3200073 | 600.3230275 |
| GYSFTTTAER               | P60710 | 0          |                          | 3250.799072 | 2 | 567.2600098 | 566.7671061 |
| GWLKSNNVNDGVAQSTR        | P17751 | 0.01714286 | K +28.03 Da,             | 3376.505615 | 2 | 881.4500122 | 880.4579289 |
| LAKVDATEESDLAQYQVGR      | P09103 | 0.03669725 | K +28.03 Da,             | 3415.780518 | 3 | 707.7000122 | 707.6989347 |
| AVFPSIVGR                | P60710 | 0.03652968 |                          | 3463.844482 | 2 | 473.2800903 | 473.2794541 |
| GEECELETMTGEKVK          | P12710 | 0          | K +28.03 Da,C +57.02 Da, | 3569.270996 | 2 | 898.9199829 | 898.4262577 |
| KVISTTKAPAAIGPYSQAVQVDR  | P52760 | 0          | K +28.03 Da,             | 3621.368164 | 3 | 820.1300049 | 819.4672334 |
| PLTGGEVPSLGLR            | P11352 | 0          |                          | 3641.729736 | 2 | 692.3900146 | 691.8855446 |
| KVISTTKAPAAIGPYSQAVQVDR  | P52760 | 0          | K +28.03 Da,             | 3663.781982 | 3 | 819.7944336 | 819.4672334 |
| QKTGTAEMSSILEER          | Q03265 | 0.01273885 | K +28.03 Da,             | 3698.508545 | 2 | 853.9299927 | 854.4327313 |
| GTLDPVEKALR              | P63017 | 0.03398058 | K +28.03 Da,             | 3701.860107 | 2 | 614.3502808 | 613.858798  |
| QMVEAQLATFMKKEKR         | P31725 | 0          | K +28.03 Da,             | 3795.229004 | 4 | 506.0299988 | 506.2864221 |
| VLSGEDKSNKAAWGGK         | P01942 | 0          | K +28.03 Da,             | 3831.099609 | 3 | 596.6699829 | 596.3402409 |
| AAVQVAALPR               | P52760 | 0.03375527 |                          | 3841.110596 | 2 | 530.7955322 | 530.3009182 |
| QATKDAGTIAGLNVMR         | P20029 | 0.03703704 | K +28.03 Da,             | 3868.476807 | 3 | 558.2999878 | 558.6382924 |
| EIAQDFKTDLR              | P02301 | 0.0373444  | K +28.03 Da,             | 3902.765137 | 2 | 682.8599854 | 682.364445  |
| NDEELNKLGGV              | P27661 | 0.03508772 | K +28.03 Da,             | 3953.41626  | 3 | 443.8999939 | 443.5733942 |
| PFVELETNLPASR            | O35215 | 0.01169591 |                          | 3972.302002 | 3 | 491.6000061 | 491.5963102 |
| PFVELETNLPASR            | O35215 | 0          |                          | 3978.144043 | 2 | 736.8894653 | 736.8908271 |
| GPWTPAAVEHPEAVR          | O35490 | 0.03365385 |                          | 3984.838867 | 2 | 873.4500122 | 873.4339223 |
| PFVELETNLPASR            | O35215 | 0          |                          | 4008.961426 | 2 | 737.3900146 | 736.8908271 |
| ADIVENQVMDTR             | P10649 | 0          |                          | 4070.449951 | 2 | 696.8300171 | 695.8351948 |
| NLHASNTRLQKTGTAEMSSILEER | Q03265 | 0          | K +28.03 Da,             | 4140.745605 | 3 | 905.460022  | 905.4678568 |
| NGETPTEKLPFPIIDDKGR      | O08709 | 0          | K +28.03 Da,             | 4177.124023 | 4 | 546.789978  | 546.5481252 |
| QTNPSAMEVEEDDPVPEIR      | Q01853 | 0          |                          | 4279.186523 | 2 | 1078.47998  | 1078.494247 |
| GSTAPVGGGSFPTITPR        | Q922R8 | 0          |                          | 4292.959473 | 2 | 801.9099731 | 801.4177408 |
| QASGGPVDIGPEYQQDLDR      | P97450 | 0          |                          | 4299.901855 | 2 | 1022.981201 | 1022.982164 |
| QTNPSAMEVEEDDPVPEIR      | Q01853 | 0          |                          | 4310.313965 | 2 | 1077.97998  | 1078.494247 |
| GNWGHLDQVAALR            | Q8VCT4 | 0.01604278 |                          | 4321.036621 | 2 | 719.8699951 | 718.8733025 |
| LGECELETMTGEKVK          | P12710 | 0.01587302 | K +28.03 Da,C +57.02 Da, | 4326.882324 | 2 | 955.9699707 | 954.9682899 |
| GPEGPYGVFAGR             | O55022 | 0.0201005  |                          | 4332.310059 | 2 | 604.289978  | 603.7987402 |
| NEFTLGECELETMTGEKVK      | P12710 | 0          | K +28.03 Da,C +57.02 Da, | 4340.994141 | 3 | 801.3800049 | 800.7151574 |

|                             |        |            |                          |             |   |             |             |
|-----------------------------|--------|------------|--------------------------|-------------|---|-------------|-------------|
| AAAGVEFEKFLKTR              | P30115 | 0          | K +28.03 Da,             | 4403.026855 | 3 | 584.9899902 | 584.6612028 |
| RAGGPEGPPWLPR               | Q3UDE2 | 0.03478261 |                          | 4411.499512 | 2 | 696.3699951 | 695.372938  |
| RAGTYRQLFHPEQLITGKEDAANNYAR | Q9JJZ2 | 0          | K +28.03 Da,             | 4429.314941 | 3 | 1049.550049 | 1049.874274 |
| GQKVLDSGAPIKIPVGPETLGR      | P56480 | 0.03389831 | K +28.03 Da,             | 4429.724121 | 3 | 763.7700195 | 763.4494024 |
| PAFTPATGTPVLGGLSYR          | Q61176 | 0          |                          | 4531.226563 | 2 | 903.4899902 | 902.983248  |
| PAFTPATGTPVLGGLSYR          | Q61176 | 0          |                          | 4540.04834  | 3 | 602.6599731 | 602.3245908 |
| VISQHQSLGNIR                | Q03265 | 0.015625   |                          | 4558.445313 | 2 | 733.4099731 | 732.9177102 |
| ASIVEDKLVEDLKTR             | P26443 | 0          | K +28.03 Da,             | 4558.566895 | 3 | 591.6699829 | 591.3436513 |
| PAFTPATGTPVLGGLSYR          | Q61176 | 0          |                          | 4562.67041  | 2 | 903.4799805 | 902.983248  |
| ADDEVVDVGTVEEDLGKSR         | P08113 | 0          | K +28.03 Da,             | 4567.912598 | 2 | 1038.459961 | 1038.982027 |
| LLVVYPWTQR                  | P02088 | 0          |                          | 4573.163574 | 2 | 638.3699951 | 637.8664255 |
| FAQLCEEHGILR                | B5X0G2 | 0          | C +57.02 Da,             | 4585.931641 | 2 | 736.8800049 | 736.8693714 |
| VISLSGEHSIIGR               | P08228 | 0          |                          | 4586.444336 | 2 | 684.8800049 | 684.3857116 |
| SITTIIDTFHQYSR              | P31725 | 0          |                          | 4624.583008 | 2 | 841.4299927 | 841.4308483 |
| SITTIIDTFHQYSR              | P31725 | 0          |                          | 4625.185547 | 3 | 561.289978  | 561.2896577 |
| ALEGVGHFFR                  | P29391 | 0.03809524 |                          | 4635.625    | 2 | 567.2902832 | 566.7985427 |
| KFYGPEGPYGVFAGR             | O55022 | 0          | K +28.03 Da,             | 4643.862305 | 2 | 837.9199829 | 836.9277438 |
| PGGLLLGEAPDFEANTTIGR        | Q8BG37 | 0.04780876 |                          | 4648.92627  | 2 | 1079.050049 | 1079.044764 |
| GASIVEDKLVEDLKTR            | P26443 | 0          | K +28.03 Da,             | 4697.589844 | 3 | 610.6790771 | 610.350806  |
| GASIVEDKLVEDLKTR            | P26443 | 0          | K +28.03 Da,             | 4704.592773 | 3 | 610.6781006 | 610.350806  |
| QTNPSAMEVEEDDPVPEIR         | Q01853 | 0          |                          | 4724.723145 | 2 | 1079        | 1078.494247 |
| ASKPTLNEVVIVSAIR            | Q8QZT1 | 0.03686636 | K +28.03 Da,             | 4744.597168 | 2 | 863.5100098 | 863.0170907 |
| EADDIVNWLKKR                | P09103 | 0          | K +28.03 Da,             | 4786.816406 | 3 | 515.6199951 | 514.9594714 |
| NEFTLGEECELETMTGEKVK        | P12710 | 0          | K +28.03 Da,C +57.02 Da, | 4791.855469 | 3 | 801.3800049 | 800.7151574 |
| NEFTLGEECELETMTGEKVK        | P12710 | 0          | K +28.03 Da,C +57.02 Da, | 4794.907227 | 2 | 1201.069946 | 1200.569098 |
| PGGLLLGEAPDFEANTTIGR        | Q8BG37 | 0          |                          | 4809.072266 | 3 | 720.3800049 | 719.6989347 |
| PGGLLLGEAPDFEANTTIGR        | Q8BG37 | 0          |                          | 4814.062988 | 3 | 719.3696899 | 719.6989347 |
| PGGLLGDEAPNFEANTTIGR        | O08709 | 0          |                          | 4826.651367 | 2 | 1071.550049 | 1071.544931 |
| PGGLLLGEAPDFEANTTIGR        | Q8BG37 | 0.04819277 |                          | 4841.538086 | 2 | 1078.550049 | 1079.044764 |
| PGGLLLGEAPDFEANTTIGR        | Q8BG37 | 0          |                          | 4844.361816 | 3 | 719.3699951 | 719.6989347 |
| PGGLLLGEAPDFEANTTIGR        | Q8BG37 | 0.03555556 |                          | 4872.550781 | 2 | 1079.050049 | 1079.044764 |
| PGGLLLGEAPDFEANTTIGR        | Q8BG37 | 0.03603604 |                          | 4872.676758 | 2 | 1078.550049 | 1079.044764 |
| ALLDLHALGSAR                | P29391 | 0.03524229 |                          | 4912.972168 | 2 | 619.3485718 | 618.8565895 |
| PGGLLLGEAPDFEANTTIGR        | Q8BG37 | 0          |                          | 4922.037109 | 3 | 720.0300293 | 719.6989347 |
| QITINDLPVGR                 | P35700 | 0          |                          | 4925.160156 | 2 | 613.3499756 | 613.3485974 |
| PGGLLLGEAPDFEANTTIGR        | Q8BG37 | 0          |                          | 4934.994629 | 2 | 1079.050049 | 1079.044764 |
| PGGLLLGEAPDFEANTTIGR        | Q8BG37 | 0.03587444 |                          | 4935.526855 | 2 | 1079.550049 | 1079.044764 |
| PGGLLLGEAPDFEANTTIGR        | Q8BG37 | 0          |                          | 4948.254883 | 3 | 719.3699951 | 719.6989347 |
| ALLDLHALGSAR                | P29391 | 0.03827751 |                          | 4963.477051 | 2 | 619.3499756 | 618.8565895 |
| PGGLLLGEAPDFEANTTIGR        | Q8BG37 | 0          |                          | 5045.634277 | 3 | 719.3599854 | 719.6989347 |

|                                     |        |            |                          |             |   |             |             |
|-------------------------------------|--------|------------|--------------------------|-------------|---|-------------|-------------|
| PGLLLLGEEAPDFEANTTIGR               | Q8BG37 | 0          |                          | 5067.914551 | 2 | 1078.540039 | 1079.044764 |
| PGLLLLGEEAPDFEANTTIGR               | Q8BG37 | 0          |                          | 5098.6875   | 2 | 1078.540039 | 1079.044764 |
| PGLLLLGEEAPDFEANTTIGR               | Q8BG37 | 0          |                          | 5129.903809 | 2 | 1078.530029 | 1079.044764 |
| QMTDPNVALTFLEKTR                    | Q9WVJ2 | 0          | K +28.03 Da,             | 5132.953613 | 2 | 946.4899902 | 946.500948  |
| QLIMANPQMQLIQR                      | Q8R317 | 0          |                          | 5180.515625 | 2 | 906.4699707 | 906.4845773 |
| VALEGVGHFFR                         | P29391 | 0          |                          | 5188.88623  | 2 | 617.3300171 | 616.3327498 |
| FLNKEDDSVVLIPLSEVFQVSR              | Q8R2G4 | 0.0334728  | K +28.03 Da,             | 5209.357422 | 4 | 641.1099854 | 641.350806  |
| PYHMALEDLAMFR                       | Q99MX0 | 0.04878049 |                          | 5254.528809 | 2 | 797.8900146 | 797.3812574 |
| CVESFSDYPPPLGR                      | P10126 | 0          | C +57.02 Da,             | 5288.672363 | 2 | 764.3499756 | 763.8508449 |
| CVESFSDYPPPLGR                      | P10126 | 0.01578947 | C +57.02 Da,             | 5290.980957 | 2 | 764.8499756 | 763.8508449 |
| QLLQEEVGPVGVETMR                    | Q7TNG8 | 0.04115226 |                          | 5292.529785 | 2 | 892.4500122 | 892.9641984 |
| QNPDIPLQLEPSDYLR                    | Q9DBM2 | 0.01242236 |                          | 5323.193848 | 2 | 892.9500122 | 892.9443204 |
| CVESFSDYPPPLGR                      | P10126 | 0          | C +57.02 Da,             | 5326.151855 | 2 | 763.8499756 | 763.8508449 |
| LLADAVAVTMGPKGR                     | P63038 | 0          | K +28.03 Da,             | 5363.86377  | 2 | 764.4312134 | 763.9397967 |
| AKFEELNMDLFR                        | P20029 | 0.04508197 | K +28.03 Da,             | 5378.505371 | 2 | 771.3900146 | 770.8950551 |
| QQVAPMDDDETGKELVLALYDYEKSPR         | P16546 | 0          | K +28.03 Da,             | 5389.856445 | 3 | 1060.52002  | 1060.535826 |
| QQVAPMDDDETGKELVLALYDYEKSPR         | P16546 | 0          | K +28.03 Da,             | 5396.480469 | 3 | 1060.859985 | 1060.535826 |
| MEADGLGCAVCVLTGASR                  | Q64105 | 0          | C +57.02 Da,             | 5399.002441 | 2 | 934.4199829 | 933.9289756 |
| ASPGSPLEKLVSSVSDLPKR                | P54869 | 0          | K +28.03 Da,             | 5413.57959  | 3 | 708.7299805 | 708.4072032 |
| MEADGLGCAVCVLTGASR                  | Q64105 | 0          | C +57.02 Da,             | 5429.895996 | 2 | 933.9282227 | 933.9289756 |
| AKFEELNMDLFR                        | P20029 | 0.04489796 | K +28.03 Da,             | 5434.92334  | 2 | 771.3900146 | 770.8950551 |
| CVLTTVDPDTGIIDR                     | Q922Q1 | 0          | C +57.02 Da,             | 5441.138672 | 2 | 838.9299927 | 837.9219992 |
| CVLTTVDPDTGIIDR                     | Q922Q1 | 0          | C +57.02 Da,             | 5451.312012 | 2 | 837.9199829 | 837.9219992 |
| QTEMVELVPNGKHLEGLLPVGVPTTDTQR       | Q9DCP2 | 0.03333333 | K +28.03 Da,             | 5463.507813 | 3 | 1063.219971 | 1062.899098 |
| VHLTDAEKA AVSCLWGK VNSDEVGG EALGR   | P02088 | 0          | K +28.03 Da,C +57.02 Da, | 5489.86084  | 4 | 807.4099731 | 806.914671  |
| PTGGAGAVAMLIGPKAPLVLEQGLR           | P54869 | 0          | K +28.03 Da,             | 5492.939453 | 3 | 815.8099976 | 815.4734421 |
| QKAPVVMGSSSEDVQEFLEIYR              | Q9QXD6 | 0          | K +28.03 Da,             | 5503.629883 | 2 | 1227.099976 | 1227.122689 |
| QKAPVVMGSSSEDVQEFLEIYR              | Q9QXD6 | 0.01704545 | K +28.03 Da,             | 5511.529297 | 3 | 818.4099731 | 818.4175512 |
| VVDSDDLPLNVS R                      | P08113 | 0          |                          | 5532.162109 | 2 | 715.3599854 | 714.8700921 |
| ANATEFGLASGVFTR                     | Q8R0Y6 | 0          |                          | 5550.226074 | 2 | 771.4000244 | 770.8913586 |
| VHLTDAEKA AVSCLWGK VNSDEVGG EALGR   | P02088 | 0          | K +28.03 Da,C +57.02 Da, | 5570.397949 | 4 | 807.4099731 | 806.914671  |
| VHLTDAEKA AVSCLWGK VNSDEVGG EALGR   | P02088 | 0          | K +28.03 Da,C +57.02 Da, | 5574.22998  | 3 | 1076.209961 | 1075.550469 |
| QTEMVELVPNGKHLEGLLPVGVPTTDTQR       | Q9DCP2 | 0          | K +28.03 Da,             | 5607.115234 | 3 | 1063.560059 | 1062.899098 |
| LLADAVAVTMGPKGR                     | P63038 | 0          | K +28.03 Da,             | 5649.897949 | 2 | 764.4299927 | 763.9397967 |
| ASAKVSDAISTQYPVVDHEFD AVVV GAGGAGLR | Q8K2B3 | 0          | K +28.03 Da,             | 5732.347168 | 3 | 1105.560059 | 1105.572039 |
| ASAKVSDAISTQYPVVDHEFD AVVV GAGGAGLR | Q8K2B3 | 0.0125     | K +28.03 Da,             | 5757.582031 | 4 | 829.4199829 | 829.4308483 |
| VHLTDAEKA AVSCLWGK VNSDEVGG EALGR   | P02088 | 0          | K +28.03 Da,C +57.02 Da, | 5792.858398 | 4 | 807.4099731 | 806.914671  |
| MFEPKCLDAFPNLR                      | P10649 | 0          | K +28.03 Da,C +57.02 Da, | 5800.402344 | 2 | 883.960022  | 883.4418467 |
| GLFIHDDKGILR                        | P35700 | 0.03636364 | K +28.03 Da,             | 5825.919922 | 2 | 694.9089355 | 694.4190227 |
| QLGGYVATIGTKF                       | Q64374 | 0.0199005  | K +28.03 Da,             | 5866.40918  | 2 | 691.8900146 | 691.8875556 |

|                                     |        |            |                          |             |   |             |             |
|-------------------------------------|--------|------------|--------------------------|-------------|---|-------------|-------------|
| LVLEVAQHLGESTVR                     | P56480 | 0          |                          | 5885.136719 | 2 | 826.460022  | 825.9623154 |
| VHLTDAEKSAVSCLWAKVNPDEVGGEALGR      | P02089 | 0          | K +28.03 Da,C +57.02 Da, | 5915.192383 | 3 | 1089.560059 | 1088.894236 |
| QATFEYSFIPAEPMGGR                   | Q9CY50 | 0          |                          | 5942.385742 | 2 | 951.9500122 | 950.9485483 |
| QATFEYSFIPAEPMGGR                   | Q9CY50 | 0          |                          | 5952.857422 | 2 | 950.9500122 | 950.9485483 |
| AEDVQETDTSQKDQSPASHEIATNLGDFAIISLYR | P07758 | 0.03791469 | K +28.03 Da,             | 5989.018555 | 3 | 1255.579956 | 1255.601053 |
| AEDVQETDTSQKDQSPASHEIATNLGDFAIISLYR | P07758 | 0          | K +28.03 Da,             | 5993.446289 | 3 | 1255.920044 | 1255.601053 |
| VGWEQLLTIAR                         | P57780 | 0          |                          | 5993.813965 | 2 | 694.3900146 | 693.8906296 |
| GDVAFGVPSVIVSR                      | Q91WU0 | 0.0483871  |                          | 6067.572754 | 2 | 701.3900146 | 701.8880871 |
| MEADGLGCAVCVLTGASR                  | Q64105 | 0          | C +57.02 Da,             | 6087.666992 | 2 | 934.9500122 | 933.9289756 |
| VSCLWGKVNSEVGGGEALGR                | P02088 | 0.03539823 | K +28.03 Da,C +57.02 Da, | 6173.336426 | 2 | 1081.550049 | 1081.038958 |
| MPFVELETNLPASR                      | O35215 | 0.04132231 |                          | 6207.455566 | 2 | 801.9099731 | 802.4110697 |
| AEGEPEVTDQLEWQSNQPWEQALNR           | P08226 | 0          |                          | 6383.46582  | 3 | 985.4400024 | 985.4565631 |
| QPDAGNIFKITGL                       | Q64374 | 0.03773585 | K +28.03 Da,             | 6433.647461 | 2 | 701.3900146 | 701.3904626 |
| VHLTDAEKSAVSCLWAKVNPDEVGGEALGR      | P02089 | 0          | K +28.03 Da,C +57.02 Da, | 6437.035156 | 4 | 817.1699829 | 816.922496  |
| QGVDLLADAVAVTMGPKGR                 | P63038 | 0.01183432 | K +28.03 Da,             | 6464.139648 | 2 | 964.0200195 | 963.5274971 |
| EELDPGVVDNFPLLK                     | P30115 | 0          | K +28.03 Da,             | 6541.111816 | 2 | 857.4484863 | 856.9589075 |
| QGVDLLADAVAVTMGPKGR                 | P63038 | 0          | K +28.03 Da,             | 6587.231934 | 2 | 963.5100098 | 963.5274971 |
| TPDCGKQGFIDLPEFPFGLEPR              | O35490 | 0.01612903 | K +28.03 Da,C +57.02 Da, | 6595.915039 | 3 | 850.7600098 | 850.0895459 |
| AIDQMWLPPVVR                        | Q9DBJ1 | 0.01538462 |                          | 6697.976563 | 2 | 665.3599854 | 664.3631929 |
| AIAELGIYPAVDPLDSTSR                 | P56480 | 0.01219512 |                          | 6720.901367 | 2 | 995.5100098 | 994.5203927 |
| CAFMGSLAPGHVADFLVADFR               | P97328 | 0.01226994 | C +57.02 Da,             | 6723.741699 | 2 | 1140.530029 | 1141.048271 |
| CAFMGSLAPGHVADFLVADFR               | P97328 | 0.00649351 | C +57.02 Da,             | 6733.348145 | 2 | 1141.530029 | 1141.048271 |
| EELDPGVVDNFPLLK                     | P30115 | 0          | K +28.03 Da,             | 6771.254883 | 2 | 792.9299927 | 792.4376103 |
| GVDLLADAVAVTMGPKGR                  | P63038 | 0.01685393 | K +28.03 Da,             | 6797.290039 | 2 | 900.4899902 | 899.498208  |
| ELNDFISYLQR                         | P27773 | 0          |                          | 6811.578613 | 2 | 700.3499756 | 699.35662   |
| SEDSYKDSTLIMQLLR                    | O70456 | 0.04761905 | K +28.03 Da,             | 6813.024414 | 2 | 963.9899902 | 963.995696  |
| AIAELGIYPAVDPLDSTSR                 | P56480 | 0          |                          | 6840.568359 | 2 | 995.5100098 | 994.5203927 |
| AALAMEKNLNQALLDLHALGSAR             | P29391 | 0.01694915 | K +28.03 Da,             | 6847.280273 | 3 | 817.4500122 | 816.784568  |
| EKGEFQILLDALDKIK                    | P16015 | 0.01570681 | K +28.03 Da,             | 6850.342773 | 3 | 649.3800049 | 648.7187181 |
| EELDPGVVDNFPLLKALR                  | P30115 | 0.01744186 | K +28.03 Da,             | 6862.479492 | 2 | 1028.065308 | 1027.070052 |
| EELDPGVVDNFPLLKALR                  | P30115 | 0.01724138 | K +28.03 Da,             | 6862.883301 | 2 | 1027.560059 | 1027.070052 |
| AAEAGDLHTALEKFGQAISLLPDR            | Q8VBW8 | 0          | K +28.03 Da,             | 6869.777832 | 3 | 851.7800293 | 851.1220147 |
| EELDPGVVDNFPLLKALR                  | P30115 | 0          | K +28.03 Da,             | 6893.182129 | 2 | 1027.560669 | 1027.070052 |
| EELDPGVVDNFPLLKALR                  | P30115 | 0          | K +28.03 Da,             | 6926.122559 | 2 | 1027.564087 | 1027.070052 |
| VEELDPGVVDNFPLLK                    | P30115 | 0          | K +28.03 Da,             | 7011.940918 | 2 | 907.4799805 | 906.4931146 |
| EELDPGVVDNFPLLKALR                  | P30115 | 0          | K +28.03 Da,             | 7031.288574 | 2 | 963.539978  | 962.5487553 |
| EELDPGVVDNFPLLKALR                  | P30115 | 0          | K +28.03 Da,             | 7051.426758 | 3 | 642.3699951 | 642.034929  |
| QNMLQGTEIGVLAKTFIDQGKLIPODDVMTR     | Q9WTP7 | 0          | K +28.03 Da,             | 7056.538086 | 3 | 1130.27002  | 1129.938677 |
| EELDPGVVDNFPLLKALR                  | P30115 | 0          | K +28.03 Da,             | 7062.996094 | 2 | 963.0428467 | 962.5487553 |
| QNMLQGTEIGVLAKTFIDQGKLIPODDVMTR     | Q9WTP7 | 0          | K +28.03 Da,             | 7087.749512 | 3 | 1130.27002  | 1129.938677 |

|  |        |            |                          |             |   |             |             |
|--|--------|------------|--------------------------|-------------|---|-------------|-------------|
| VEELDPGVVDNFPLLK                       | P30115 | 0          | K +28.03 Da,             | 7092.485352 | 2 | 907.4899902 | 906.4931146 |
| GPLLVDVFTDEMAHFDR                      | P24270 | 0.01734104 |                          | 7094.682617 | 2 | 1096.030029 | 1095.038427 |
| MNSGPVVAMVWEGLVVVKTR                   | Q01768 | 0          | K +28.03 Da,             | 7095.104492 | 2 | 1137.079956 | 1136.600671 |
| ELDPGVVDNFPLLKALR                      | P30115 | 0          | K +28.03 Da,             | 7095.850098 | 2 | 963.039917  | 962.5487553 |
| QNMLQGTGTEIGVLAKTFIDQGKLIPTDDVMTR      | Q9WTP7 | 0          | K +28.03 Da,             | 7117.833008 | 3 | 1129.589966 | 1129.938677 |
| GFLDVVAALR                             | Q63880 | 0          |                          | 7135.145996 | 2 | 531.8099976 | 530.8111188 |
| QDSTQNLIPAPSLLTVP LQP DFR              | P11672 | 0          |                          | 7137.395508 | 2 | 1276.180054 | 1275.681759 |
| QDSTQNLIPAPSLLTVP LQP DFR              | P11672 | 0          |                          | 7145.95752  | 2 | 1275.670044 | 1275.681759 |
| QDSTQNLIPAPSLLTVP LQP DFR              | P11672 | 0          |                          | 7149.129395 | 3 | 850.789978  | 850.7902651 |
| QDSTQNLIPAPSLLTVP LQP DFR              | P11672 | 0          |                          | 7150.20166  | 3 | 851.1199951 | 850.7902651 |
| QDSTQNLIPAPSLLTVP LQP DFR              | P11672 | 0          |                          | 7152.240234 | 3 | 851.460022  | 850.7902651 |
| VPAWPGGSQQVDLASVLTPEIMAPILANADVQER     | D3YUD8 | 0          |                          | 7162.05127  | 3 | 1191.619995 | 1191.618772 |
| VPAWPGGSQQVDLASVLTPEIMAPILANADVQER     | D3YUD8 | 0.00653595 |                          | 7193.056152 | 3 | 1191.619995 | 1191.618772 |
| VMEETFSYLLGR                           | Q61176 | 0.04980843 |                          | 7250.449707 | 2 | 723.3699951 | 722.8606809 |
| VEELDPGVVDNFPLLKALR                    | P30115 | 0.00641026 | K +28.03 Da,             | 7254.467285 | 2 | 1077.089966 | 1076.60426  |
| CPEALFQPSFLGMESCGIHETTFN               | P60710 | 0          | C +57.02 Da,             | 7285.030273 | 2 | 1386.599976 | 1386.608763 |
| CMALSTAILVGEAKKWLPELVDR                | Q9EQ20 | 0          | K +28.03 Da,C +57.02 Da, | 7293.580078 | 3 | 885.8099976 | 886.1570141 |
| VEELDPGVVDNFPLLKALR                    | P30115 | 0.0361991  | K +28.03 Da,             | 7295.520996 | 2 | 1077.599976 | 1076.60426  |
| LDPGVVDNFPLLKALR                       | P30115 | 0.01639344 | K +28.03 Da,             | 7361.646973 | 2 | 899.0200195 | 898.0274582 |
| PFVELETNLPASR                          | O35215 | 0          |                          | 7379.974121 | 2 | 737.3900146 | 736.8908271 |
| PFVELETNLPASR                          | O35215 | 0.01204819 |                          | 7410.762695 | 2 | 736.8918457 | 736.8908271 |
| CMALSTAILVGEAKKWLPELVDR                | Q9EQ20 | 0          | K +28.03 Da,C +57.02 Da, | 7425.337402 | 3 | 886.1500244 | 886.1570141 |
| VNPTVFFDITADDEPLGR                     | P17742 | 0          |                          | 7469.839844 | 2 | 1004.48999  | 1003.496918 |
| LTAIELELAGNAAR                         | P22752 | 0.01621622 |                          | 7472.353027 | 2 | 721.9000244 | 721.4041017 |
| CGESPVWEEASQSLLFVDIPSKIICR             | Q64374 | 0          | K +28.03 Da,C +57.02 Da, | 7583.279297 | 3 | 1016.840027 | 1016.843825 |
| QGFIDLPEFPFGLLEPR                      | O35490 | 0          |                          | 7719.416504 | 2 | 931.9699707 | 931.4777985 |
| AAFAQFGSDLDAATQQLSR                    | Q03265 | 0          |                          | 7726.456055 | 2 | 1056.52002  | 1055.531823 |
| VNPTVFFDITADDEPLGR                     | P17742 | 0          |                          | 7740.316895 | 2 | 1004.48999  | 1003.496918 |
| ELDTLNEESYKDSTLIMQLLR                  | Q9CQV8 | 0.01630435 | K +28.03 Da,             | 7742.411621 | 2 | 1270.640015 | 1270.151644 |
| LDTLNEESYKDSTLIMQLLR                   | Q9CQV8 | 0.01234568 | K +28.03 Da,             | 7745.945313 | 3 | 804.4099731 | 804.0893232 |
| LSFDVDGLDPAFTPATGTPVLGGLSYR            | Q61176 | 0          |                          | 7750.837402 | 2 | 1384.209961 | 1383.70289  |
| VNPTVFFDITADDEPLGR                     | P17742 | 0          |                          | 7780.96582  | 2 | 1004.5      | 1003.496918 |
| VNPTVFFDITADDEPLGR                     | P17742 | 0          |                          | 7782.957031 | 2 | 1003.98999  | 1003.496918 |
| AELDTLSEESYKDSTLIMQLLR                 | P62259 | 0          | K +28.03 Da,             | 7791.459473 | 3 | 862.4400024 | 861.7789264 |
| SEVGYDAMLGDFVNMVEKGIIDPTKVVR           | P63038 | 0.01176471 | K +28.03 Da,             | 7795.505371 | 3 | 1047.530029 | 1046.878646 |
| CVLELADQILETQR                         | P13597 | 0          | C +57.02 Da,             | 7805.179199 | 2 | 845.4299927 | 844.4378163 |
| VNPTVFFDITADDEPLGR                     | P17742 | 0          |                          | 7815.30127  | 2 | 1003.987183 | 1003.496918 |
| CYVALDFENEMATAASSSSLEKSYELPDGQVITIGNER | P62737 | 0          | K +28.03 Da,C +57.02 Da, | 7870.749023 | 3 | 1407.98999  | 1408.331358 |
| AAGGDGDDSLYPIAVLIDELR                  | Q7TNP2 | 0          |                          | 7878.020508 | 2 | 1081.540039 | 1080.544597 |
| AAGGDGDDSLYPIAVLIDELR                  | Q7TNP2 | 0          |                          | 7879.29834  | 2 | 1080.040039 | 1080.544597 |

