## Report for PEP Section in mzTab File example\_5

The PEP section of the mzTab file contains 26,794 quantified peptide features measured in 54 samples.

|                              | number of peptides |
|------------------------------|--------------------|
| quantified                   | 26,794             |
| identified (total)           | 26,794             |
| identified (unique modified) | 21,658             |
| identified (unique stripped) | 19,580             |

Table 1: Total number of quantified and identified peptides.

| mod                   | specificity  | number |
|-----------------------|--------------|--------|
| Oxidation             | M            | 4942   |
| Methylthio            | $\mathbf{C}$ | 4473   |
| Dioxidation           | M            | 112    |
| Label: $13C(6)15N(2)$ | K            | 26     |
| Label: $13C(6)15N(4)$ | R            | 17     |

Table 2: Statistics of modifications.

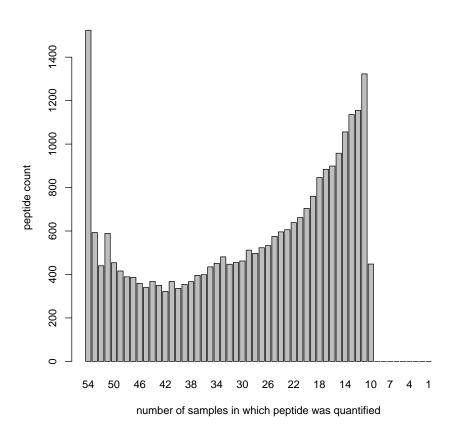


Figure 1: Frequency plot of peptide quantifications.

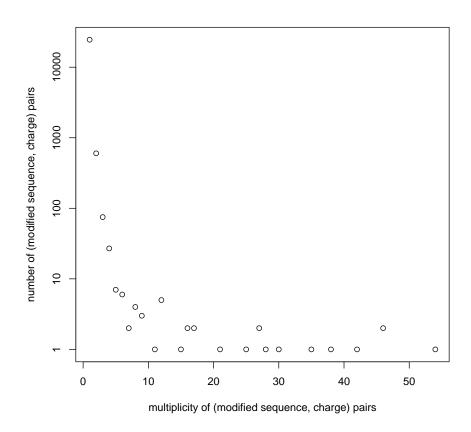
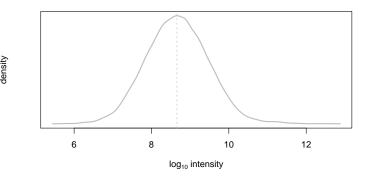
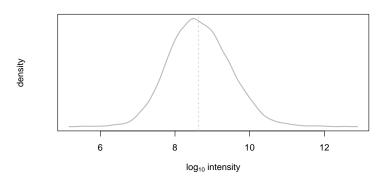


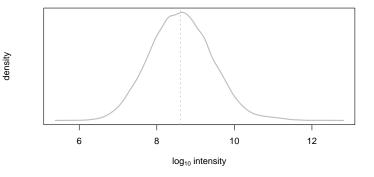
Figure 2: (modified sequence, charge) pair multiplicity vs frequency plot. Each peptide feature (characterised by a (possibly) modified peptide sequence and a charge state) should ideally occur only once in the analysis. In other words, peptides of multiplicity 1 should have a very high frequency. The plot below should show a significant spike on the left and can be used as QC of the analysis.



(a) peptide abundances 1, median (intensity) = 455,025,504



(b) peptide abundances 2, median (intensity) = 424,578,000



(c) peptide abundances 3, median (intensity) =412,578,512

Figure 3: peptide abundance distributions.  $\,$ 



Figure 4: Kendrick nominal fractional mass plot

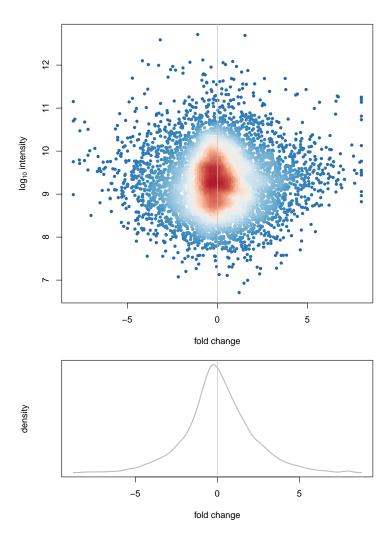


Figure 5: Fold changes of peptide abundances 1 and 2.  $\mathrm{median(fc)} = -0.0026 \qquad \mathrm{sd(fc)} = 2.0776$ 

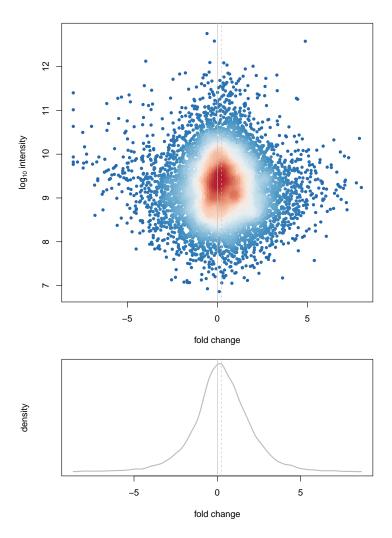


Figure 6: Fold changes of peptide abundances 1 and 3.  $median(fc) = 0.2421 \qquad sd(fc) = 1.7661$ 

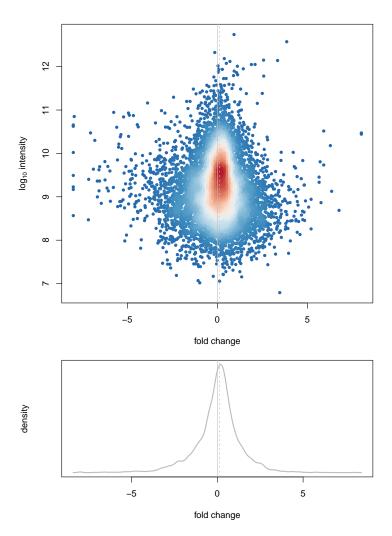


Figure 7: Fold changes of peptide abundances 2 and 3.  $median(fc) = 0.1175 \qquad sd(fc) = 1.3543$ 

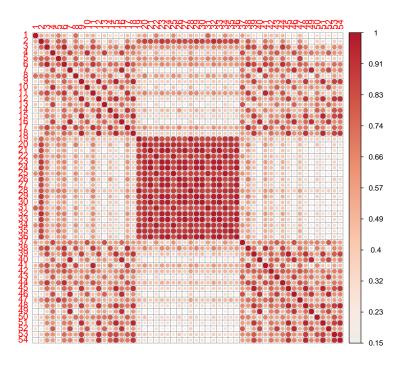


Figure 8: Pearson correlation of all peptide abundances. (min correlation = 0.1484, median correlation = 0.5701, max correlation = 1)

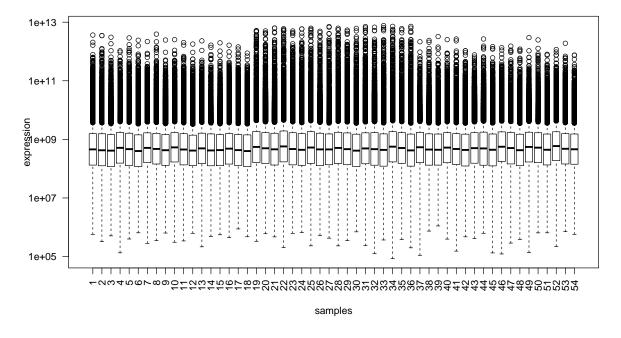


Figure 9: Boxplot of all peptide abundances.

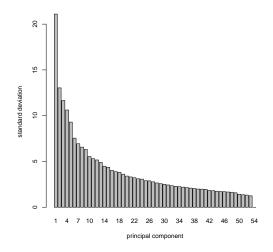


Figure 10: PCA components.

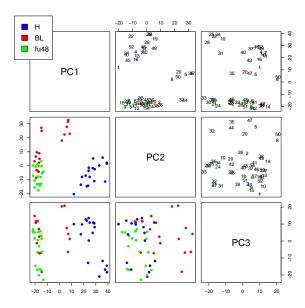


Figure 11: Principal Component Analysis of all peptides with complete quantifications. Any peptides with one or more missing values are ignored. The numbers in the upper right panels correspond to the sample IDs.

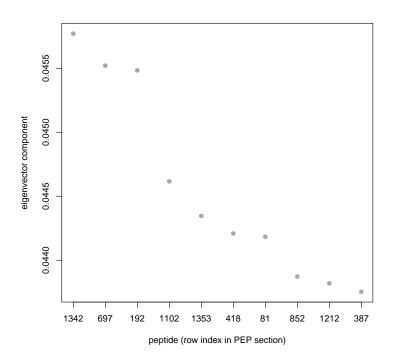


Figure 12: PCA 1st eigenvector.

| row index | modified sequence         | accession | charge | retention time | m/z    |
|-----------|---------------------------|-----------|--------|----------------|--------|
| 1342      | IVAPGKGILAADESTGSIAK      | P04075    | 3      | 5285.58        | 633.36 |
| 697       | YDDM(Oxidation)AAC(Methyl | P63104    | 2      | 2357.93        | 563.19 |
| 192       | VISGVLQLGNIVFKK           | P35579    | 3      | 8817.89        | 539.00 |
| 1102      | NKPLEQSVEDLSKGPPSSVPK     | O95466    | 3      | 5083.06        | 746.07 |
| 1353      | IANLQTDLSDGLR             | P21333    | 2      | 6841.42        | 708.38 |
| 418       | LIDFLEC(Methylthio)GK     | P17844    | 2      | 9345.30        | 542.26 |
| 81        | SAVGFNEM(Oxidation)EAPTTA | P14317    | 3      | 3498.83        | 620.63 |
| 852       | TIIPLISQC(Methylthio)TPK  | P40926    | 2      | 9466.64        | 680.37 |
| 1212      | RTGAIVDVPVGEELLGR         | P25705    | 3      | 7675.89        | 594.34 |
| 387       | SETAPAAPAAPAPAEKTPVKK     | P10412    | 3      | 2224.46        | 678.04 |

Table 3: PCA 1st eigenvector.

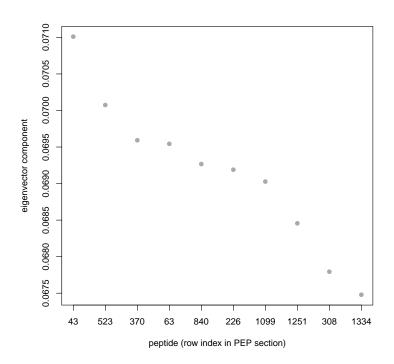


Figure 13: PCA 2nd eigenvector.

| row index | modified sequence                 | accession | charge | retention time | m/z    |
|-----------|-----------------------------------|-----------|--------|----------------|--------|
| 43        | STPEYFAER                         | P08133    | 2      | 3515.19        | 550.26 |
| 523       | KQPPVSPGTALVGSQKEPSEVPTPK         | P17096    | 3      | 4226.12        | 853.47 |
| 370       | DNHLLGTFDLTGIPPAPR                | P11021    | 3      | 9496.78        | 645.34 |
| 63        | DREVGIPPEQSLETAK                  | P61158    | 3      | 4602.34        | 590.31 |
| 840       | GLPDPALSTQPAPASR                  | Q14005    | 2      | 5190.93        | 789.42 |
| 226       | ${\bf LQFHDVAGDIFHQQC(Methylthi}$ | P11413    | 4      | 7201.68        | 483.73 |
| 1099      | VNLSAAQTLR                        | Q9BUL8    | 2      | 4025.03        | 536.81 |
| 1251      | ISGASEKDIVHSGLAYTM(Oxidat         | P00367    | 4      | 5040.61        | 545.77 |
| 308       | HVLTSIGEK(Label:13C(6)15N         | $STD_03$  | 2      | 2127.71        | 496.29 |
| 1334      | HGGTIPIVPTAEFQDR                  | P00367    | 3      | 6115.00        | 579.97 |

Table 4: PCA 2nd eigenvector.

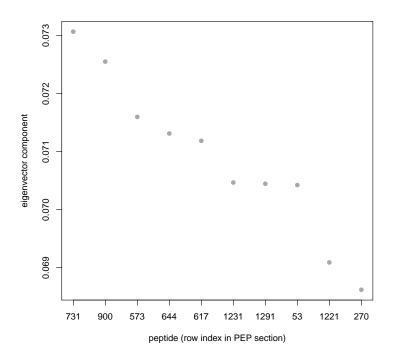


Figure 14: PCA 3rd eigenvector.

| row index | modified sequence      | accession | charge | retention time | m/z    |
|-----------|------------------------|-----------|--------|----------------|--------|
| 731       | IAFAITAIK              | P62269    | 2      | 7044.51        | 474.30 |
| 900       | GITGVEDKESWHGKPLPK     | P29401    | 3      | 2940.99        | 660.02 |
| 573       | VALVYGQMNEPPGAR        | P06576    | 2      | 5752.97        | 801.40 |
| 644       | SSANVEEAFFTLAR         | Q92930    | 2      | 9328.50        | 771.38 |
| 617       | SM(Oxidation)YEEEINETR | P20700    | 2      | 3224.81        | 708.80 |
| 1231      | FLIDGFPR               | P30085    | 2      | 8094.48        | 482.77 |
| 1291      | AGVAPLQVK              | P21333    | 2      | 3134.86        | 441.77 |
| 53        | TETQEKNPLPSKETIEQEK    | P62328    | 3      | 2708.84        | 743.71 |
| 1221      | VM(Oxidation)VQPINLIFR | P62304    | 2      | 9095.18        | 673.39 |
| 270       | AVEVQGPSLESGDHGK       | Q09666    | 3      | 2851.80        | 537.27 |

Table 5: PCA 3rd eigenvector.

| modified sequence         | accession | charge | retention time | m/z     |
|---------------------------|-----------|--------|----------------|---------|
| LSLM(Oxidation)YAR        | P78527    | 2      | 3727.04        | 435.23  |
| LSLMYAR                   | P78527    | 2      | 4790.39        | 427.23  |
| EQC(Methylthio)C(Methylth | P62633    | 4      | 4025.06        | 454.93  |
| EQC(Methylthio)C(Methylth | P62633    | 3      | 4045.75        | 606.23  |
| M(Oxidation)VQEAEKYKAEDEK | P11142    | 4      | 1316.10        | 500.25  |
| M(Oxidation)VQEAEKYKAEDEK | P11142    | 3      | 1320.29        | 666.66  |
| MVQEAEKYKAEDEKQR          | P11142    | 3      | 1585.13        | 661.33  |
| M(Oxidation)VQEAEKYKAEDEK | P11142    | 2      | 1324.47        | 999.48  |
| MVQEAEKYKAEDEKQR          | P11142    | 4      | 1577.81        | 496.25  |
| TVPFC(Methylthio)STFAAFFT | P29401    | 2      | 12736.46       | 820.88  |
| GNFGGSFAGSFGGAGGHAPGVAR   | P52272    | 3      | 5570.46        | 678.99  |
| GNFGGSFAGSFGGAGGHAPGVAR   | P52272    | 2      | 5569.35        | 1017.98 |
| GNFGGSFAGSFGGAGGHAPGVARK  | P52272    | 4      | 4336.39        | 541.52  |
| GNFGGSFAGSFGGAGGHAPGVARK  | P52272    | 3      | 4346.43        | 721.69  |

Table 6: Peptides of interest. Please note that the script requires a vector of stripped peptides sequences, but in the above table we list the modified peptide sequences.

| modified sequence         | accession | charge | retention time | m/z     |
|---------------------------|-----------|--------|----------------|---------|
| AC(Methylthio)LISLGYDVEND | O43707    | 3      | 8518.39        | 849.05  |
| AGTQIENIDEDFRDGLK         | O43707    | 3      | 6848.07        | 640.98  |
| AGTQIENIDEDFRDGLK         | O43707    | 2      | 6847.12        | 960.97  |
| AIM(Oxidation)TYVSSFYHAFS | O43707    | 3      | 8185.69        | 675.32  |
| AIM(Oxidation)TYVSSFYHAFS | O43707    | 2      | 8172.79        | 1012.48 |
| AIMTYVSSFYHAFSGAQK        | O43707    | 3      | 9592.08        | 669.99  |
| AIMTYVSSFYHAFSGAQK        | O43707    | 2      | 9597.33        | 1004.49 |
| AIM(Oxidation)TYVSSFYHAFS | O43707    | 3      | 9596.21        | 675.32  |
| AIM(Oxidation)TYVSSFYHAFS | O43707    | 4      | 7575.23        | 685.08  |
| AIM(Oxidation)TYVSSFYHAFS | O43707    | 3      | 7571.39        | 913.11  |
| AIMTYVSSFYHAFSGAQKAETAANR | O43707    | 3      | 8754.95        | 907.77  |
| ALDFIASK                  | O43707    | 2      | 4963.37        | 432.74  |
| ASFNHFDKDHGGALGPEEFK      | O43707    | 4      | 4122.09        | 551.51  |
| ASFNHFDKDHGGALGPEEFK      | O43707    | 3      | 4144.77        | 735.01  |
| ASIHEAWTDGKEAM(Oxidation) | O43707    | 3      | 3348.57        | 601.63  |
| ASIHEAWTDGKEAM(Oxidation) | O43707    | 4      | 3349.63        | 451.47  |
| ASIHEAWTDGKEAMLK          | O43707    | 3      | 4519.42        | 596.30  |
| ASIHEAWTDGKEAMLK          | O43707    | 4      | 4527.79        | 447.47  |
| C(Methylthio)QLEINFNTLQTK | O43707    | 2      | 8884.72        | 799.39  |
| DAKGISQEQM(Oxidation)QEFR | O43707    | 3      | 2737.85        | 561.60  |
| DAKGISQEQM(Oxidation)QEFR | O43707    | 2      | 2742.44        | 841.89  |
| DDPVTNLNNAFEVAEK          | O43707    | 2      | 9082.35        | 888.43  |
| DDPVTNLNNAFEVAEKYLDIPK    | O43707    | 3      | 12761.98       | 835.76  |
| DGLAFNALIHR               | O43707    | 2      | 7035.73        | 613.84  |
| DGLAFNALIHR               | O43707    | 3      | 7033.86        | 409.56  |
| DYETATLSDIK               | O43707    | 2      | 6094.41        | 628.31  |
| EAILAIHK                  | O43707    | 2      | 2743.24        | 447.77  |
| EAILAIHKEAQR              | O43707    | 3      | 2210.93        | 460.26  |
| EAILAIHKEAQR              | O43707    | 2      | 2215.06        | 689.89  |
| EALEKTEKQLEAIDQLHLEYAK    | O43707    | 4      | 7225.32        | 650.60  |
| EGLLLWC(Methylthio)QR     | O43707    | 2      | 9692.16        | 582.29  |
| ELPPDQAEYC(Methylthio)IAR | O43707    | 2      | 7002.71        | 775.85  |
| ELPPDQAEYC(Methylthio)IAR | O43707    | 2      | 7083.91        | 775.85  |
| ETTDTDTADQVIASFK          | O43707    | 2      | 8062.69        | 871.41  |

| FAIQDISVEETSAK                        | O43707          | 2              | 7063.20  | 769.39           |
|---------------------------------------|-----------------|----------------|----------|------------------|
| GISQEQM(Oxidation)QEFR                | O43707          | $\frac{2}{2}$  | 2739.50  | 684.81           |
| GISQEQM(Oxidation)QEFR<br>GISQEQMQEFR | O43707          | $\frac{2}{2}$  | 4339.88  | 676.82           |
| GISQEQM(Oxidation)QEFR                | O43707          | $\frac{2}{2}$  | 4353.66  | 684.81           |
| GYEEWLLNEIR                           | O43707          | $\frac{2}{2}$  | 10169.93 | 711.36           |
| HRDYETATLSDIK                         | O43707          | $\frac{2}{3}$  | 3041.19  | 516.93           |
| HRPELIEYDK                            | 043707 $043707$ | 3              | 2334.19  | 433.89           |
|                                       |                 | 3<br>2         |          | 455.89<br>650.34 |
| HRPELIEYDK                            | O43707          | $\frac{2}{4}$  | 2317.06  |                  |
| HRPELIEYDKLR                          | O43707          | $\frac{4}{3}$  | 3072.91  | 392.97           |
| HRPELIEYDKLR                          | O43707          |                | 3056.43  | 523.62           |
| HRPELIEYDKLRK                         | O43707          | 4              | 2437.01  | 424.99           |
| HTNYTMEHIR                            | O43707          | 2              | 1866.52  | 651.30           |
| HTNYTM(Oxidation)EHIR                 | O43707          | 3              | 1455.93  | 439.87           |
| HTNYTM(Oxidation)EHIR                 | O43707          | 2              | 1456.59  | 659.30           |
| HTNYTMEHIR                            | O43707          | 3              | 1855.45  | 434.54           |
| IAESNHIK                              | O43707          | 2              | 1235.63  | 456.25           |
| IAESNHIKLSGSNPYTTVTPQIINS             | O43707          | 4              | 5891.40  | 703.88           |
| IC(Methylthio)DQWDALGSLTH             | O43707          | 3              | 8717.28  | 583.27           |
| INNVNKALDFIASK                        | O43707          | 3              | 6288.21  | 516.29           |
| ISIEMNGTLEDQLSHLK                     | O43707          | 3              | 8458.92  | 643.33           |
| ISIEM(Oxidation)NGTLEDQLS             | O43707          | 3              | 7310.00  | 648.66           |
| ISIEM(Oxidation)NGTLEDQLS             | O43707          | 4              | 7457.52  | 630.82           |
| KAGTQIENIDEDFRDGLK                    | O43707          | 3              | 5572.19  | 683.68           |
| KAGTQIENIDEDFRDGLK                    | O43707          | 4              | 5566.69  | 513.01           |
| KDDPVTNLNNAFEVAEK                     | O43707          | 3              | 6826.99  | 635.32           |
| KDDPVTNLNNAFEVAEK                     | O43707          | 2              | 6826.29  | 952.47           |
| KDDPVTNLNNAFEVAEKYLDIPK               | O43707          | 3              | 11618.90 | 878.45           |
| KDDPVTNLNNAFEVAEKYLDIPK               | O43707          | 4              | 11629.73 | 659.09           |
| KTFTAWC(Methylthio)NSHLR              | O43707          | 3              | 4628.27  | 503.91           |
| KTFTAWC(Methylthio)NSHLRK             | O43707          | 3              | 3352.06  | 546.61           |
| LASDLLEWIR                            | O43707          | 2              | 10366.11 | 608.34           |
| LASDLLEWIRR                           | O43707          | 3              | 8660.76  | 457.93           |
| LDHLAEK                               | O43707          | 2              | 1399.43  | 413.23           |
| LDHLAEKFR                             | O43707          | 3              | 2308.99  | 376.88           |
| LM(Oxidation)LLLEVISGERLP             | O43707          | 4              | 8470.91  | 528.06           |
| LMLLLEVISGERLPKPER                    | O43707          | 4              | 9520.17  | 524.06           |
| LRKDDPVTNLNNAFEVAEK                   | O43707          | 4              | 5943.50  | 544.04           |
| LRKDDPVTNLNNAFEVAEKYLDIPK             | O43707          | 4              | 10641.49 | 726.39           |
| LSGSNPYTTVTPQIINSK                    | O43707          | 2              | 6625.51  | 960.51           |
| LSGSNPYTTVTPQIINSKWEK                 | O43707          | 3              | 6923.35  | 788.41           |
| LSNRPAFMPSEGK                         | O43707          | 3              | 3100.77  | 478.58           |
| LVSIGAEEIVDGNAK                       | O43707          | 2              | 6663.17  | 757.91           |
| M(Oxidation)APYQGPDAVPGAL             | O43707          | 2              | 6433.07  | 904.93           |
| MAPYQGPDAVPGALDYK                     | O43707          | 2              | 7001.32  | 896.93           |
| M(Oxidation)APYQGPDAVPGAL             | O43707          | 2              | 6998.59  | 904.93           |
| M(Oxidation)LDAEDIVNTARPD             | O43707          | 3              | 5738.10  | 611.63           |
| M(Oxidation)LDAEDIVNTARPD             | O43707          | 2              | 5737.40  | 916.94           |
| MLDAEDIVNTARPDEK                      | O43707          | 3              | 6487.18  | 606.30           |
| MLDAEDIVNTARPDEK                      | O43707          | 2              | 6486.87  | 908.94           |
| M(Oxidation)LDAEDIVNTARPD             | O43707          | 3              | 6486.32  | 611.63           |
| M(Oxidation)LDAEDIVNTARPD             | O43707          | 2              | 6492.91  | 916.94           |
| NVNVQNFHISWK                          | O43707          | 2              | 6305.44  | 743.38           |
| NVNVQNFHISWK                          | O43707          | 3              | 6296.92  | 495.92           |
| QFASQANVVGPWIQTK                      | O43707          | $\overline{2}$ | 7605.79  | 887.47           |
| QLEAIDQLHLEYAK                        | O43707          | 3              | 6835.31  | 557.63           |
| QLEAIDQLHLEYAKR                       | O43707          | 4              | 5640.68  | 457.50           |
| •                                     |                 |                |          | _                |

| RDHALLEEQSK               | O43707           | 3                                    | 1618.19  | 442.56  |
|---------------------------|------------------|--------------------------------------|----------|---------|
| RDHALLEEQSKQQSNEHLR       | O43707           | $\frac{3}{4}$                        | 1829.30  | 580.30  |
| RQFASQANVVGPWIQTK         | O43707           | 3                                    |          | 644.01  |
|                           |                  | 3                                    | 5919.51  |         |
| RTIPWLEDRVPQK             | O43707           |                                      | 4602.85  | 546.64  |
| SIVDYKPNLDLLEQQHQLIQEALIF | O43707           | 4                                    | 11309.39 | 831.94  |
| SIVDYKPNLDLLEQQHQLIQEALIF | O43707           | 3                                    | 11306.86 | 1108.92 |
| TAPYKNVNVQNFHISWK         | O43707           | 4                                    | 5925.81  | 512.27  |
| TAPYKNVNVQNFHISWK         | O43707           | 3                                    | 5922.83  | 682.69  |
| TEKQLEAIDQLHLEYAK         | O43707           | 4                                    | 5985.63  | 508.02  |
| TEKQLEAIDQLHLEYAK         | O43707           | 3                                    | 5989.08  | 677.02  |
| TFTAWC(Methylthio)NSHLR   | O43707           | 3                                    | 6199.54  | 461.21  |
| TFTAWC(Methylthio)NSHLR   | O43707           | 2                                    | 6243.15  | 691.31  |
| TINEVENQILTR              | O43707           | 2                                    | 6198.35  | 715.39  |
| TIQEMQQK                  | O43707           | 2                                    | 1659.65  | 503.26  |
| VGWEQLLTTIAR              | O43707           | 2                                    | 11063.02 | 693.89  |
| VHKPPKVQEK                | O43707           | 3                                    | 1081.02  | 397.24  |
| VHKPPKVQEK                | O43707           | 2                                    | 1104.93  | 595.36  |
| VLAGDKNFITAEELR           | O43707           | 3                                    | 5870.35  | 559.31  |
| VLAGDKNFITAEELR           | O43707           | 2                                    | 5867.80  | 838.45  |
| VLAGDKNFITAEELRR          | O43707           | $\overline{4}$                       | 4742.17  | 458.76  |
| VLAVNQENEHLM(Oxidation)ED | O43707           | 3                                    | 4114.35  | 692.99  |
| VLAVNQENEHLMEDYEK         | O43707           | $\ddot{3}$                           | 5428.68  | 687.66  |
| VLAVNQENEHLM(Oxidation)ED | O43707           | $\frac{\circ}{2}$                    | 4120.65  | 1038.98 |
| VQQLVPK                   | O43707           | $\frac{2}{2}$                        | 2270.17  | 406.26  |
| AKFEELNMDLFR              | P11021           | 3                                    | 7827.10  | 504.92  |
| AKFEELNM(Oxidation)DLFR   | P11021           | 3                                    | 6340.88  | 510.25  |
| AKFEELNM(Oxidation)DLFR   | P11021           | $\frac{3}{2}$                        | 6341.70  | 764.88  |
| AKFEELNMOLFR              | P11021           | $\overset{\scriptscriptstyle{2}}{2}$ | 7827.76  | 756.88  |
|                           | P11021<br>P11021 | $\frac{2}{3}$                        | 7623.84  | 844.40  |
| AVEEKIEWLESHQDADIEDEK     |                  | 3<br>4                               |          |         |
| AVEEKIEWLESHQDADIEDFKAK   | P11021           | $\frac{4}{2}$                        | 6832.87  | 683.33  |
| DAGTIAGLNVM(Oxidation)R   | P11021           | $\frac{2}{2}$                        | 5466.52  | 617.32  |
| DAGTIAGLNVMR              | P11021           |                                      | 7130.61  | 609.32  |
| DAGTIAGLNVM(Oxidation)R   | P11021           | 2                                    | 7157.32  | 617.32  |
| DAGTIAGLNVM(Oxidation)R   | P11021           | 2                                    | 5517.68  | 617.31  |
| DNHLLGTFDLTGIPPAPR        | P11021           | 3                                    | 9496.78  | 645.34  |
| DNHLLGTFDLTGIPPAPR        | P11021           | 2                                    | 9506.43  | 967.51  |
| DNHLLGTFDLTGIPPAPR        | P11021           | 3                                    | 9504.56  | 645.34  |
| ELEEIVQPIISK              | P11021           | 2                                    | 7934.60  | 699.40  |
| FEELNM(Oxidation)DLFR     | P11021           | 2                                    | 7569.60  | 665.31  |
| FEELNMDLFR                | P11021           | 2                                    | 9376.14  | 657.31  |
| FLPFKVVEK                 | P11021           | 2                                    | 5178.59  | 553.83  |
| FLPFKVVEKK                | P11021           | 3                                    | 3612.48  | 412.26  |
| FLPFKVVEKK                | P11021           | 2                                    | 3627.05  | 617.88  |
| IDTRNELESYAYSLK           | P11021           | 3                                    | 6935.43  | 601.30  |
| IDTRNELESYAYSLKNQIGDKEK   | P11021           | 4                                    | 7094.46  | 679.35  |
| IEIESFYEGEDFSETLTR        | P11021           | 2                                    | 10138.13 | 1083.00 |
| IEWLESHQDADIEDFK          | P11021           | 3                                    | 7545.04  | 658.97  |
| IINEPTAAAIAYGLDK          | P11021           | 2                                    | 8020.47  | 830.45  |
| IINEPTAAAIAYGLDKR         | P11021           | 3                                    | 6870.54  | 606.00  |
| IINEPTAAAIAYGLDKR         | P11021           | 2                                    | 6867.05  | 908.50  |
| ITITNDQNR                 | P11021           | 2                                    | 2138.96  | 537.78  |
| ITITNDQNRLTPEEIER         | P11021           | 3                                    | 5248.06  | 681.35  |
| ITPSYVAFTPEGER            | P11021           | 2                                    | 6421.94  | 783.89  |
| ITPSYVAFTPEGERLIGDAAK     | P11021           | 3                                    | 7958.74  | 745.73  |
| KELEEIVQPIISK             | P11021           | 3                                    | 6304.49  | 509.30  |
| KELEEIVQPIISK             | P11021           | $\overline{2}$                       | 6305.72  | 763.45  |
| •                         |                  |                                      |          |         |
|                           |                  |                                      |          |         |

| KKELEEIVQPIISK               | P11021  | 3                    | 5133.47 | 552.00          |
|------------------------------|---------|----------------------|---------|-----------------|
| KSDIDEIVLVGGSTR              | P11021  | 3                    | 6037.10 | 530.29          |
| KSQIFSTASDNQPTVTIK           | P11021  | 3                    | 4607.32 | 655.68          |
| KSQIFSTASDNQPTVTIK           | P11021  | 2                    | 4611.97 | 983.02          |
| KTKPYIQVDIGGGQTK             | P11021  | 3                    | 2961.09 | 578.32          |
| KTKPYIQVDIGGGQTK             | P11021  | 2                    | 2951.68 | 866.98          |
| KVTHAVVTVPAYFNDAQR           | P11021  | 4                    | 4617.77 | 504.77          |
| KVTHAVVTVPAYFNDAQR           | P11021  | 3                    | 4612.83 | 672.69          |
| LIGDAAKNQLTSNPENTVFDAK       | P11021  | 3                    | 6558.55 | 782.74          |
| LTPEEIER                     | P11021  | 2                    | 3254.01 | 493.76          |
| LYGSAGPPPTGEEDTAEKDEL        | P11021  | 2                    | 5768.97 | 1088.50         |
| MKETAEAYLGK                  | P11021  | 2                    | 2781.25 | 620.82          |
| M(Oxidation)KETAEAYLGK       | P11021  | 2                    | 2236.90 | 628.81          |
| MKETAEAYLGKK                 | P11021  | 3                    | 2110.37 | 456.91          |
| M(Oxidation)KETAEAYLGKK      | P11021  | 2                    | 1793.09 | 692.86          |
| M(Oxidation)KETAEAYLGKK      | P11021  | 3                    | 1796.96 | 462.24          |
| MKETAEAYLGKK                 | P11021  | 2                    | 2108.19 | 684.86          |
| MVNDAEKFAEEDK                | P11021  | 3                    | 3309.46 | 509.23          |
| M(Oxidation)VNDAEKFAEEDKK    | P11021  | 3                    | 2051.82 | 557.26          |
| M(Oxidation)VNDAEKFAEEDKK    | P11021  | 2                    | 2046.91 | 835.39          |
| MVNDAEKFAEEDKK               | P11021  | 3                    | 2423.62 | 551.93          |
| M(Oxidation)VNDAEKFAEEDKK    | P11021  | 3                    | 2498.13 | 637.66          |
| M(Oxidation)VNDAEKFAEEDKK    | P11021  | 4                    | 2396.85 | 549.78          |
| NELESYAYSLK                  | P11021  | 2                    | 6436.32 | 658.82          |
| NQLTSNPENTVFDAK              | P11021  | 2                    | 5446.82 | 839.41          |
| NQLTSNPENTVFDAKR             | P11021  | 3                    | 4260.53 | 611.97          |
| NQLTSNPENTVFDAKR             | P11021  | 2                    | 4256.22 | 917.46          |
| QATKDAGTIAGLNVM(Oxidation    | P11021  | 3                    | 3539.53 | 554.63          |
| QATKDAGTIAGLNVM(Oxidation    | P11021  | 2                    | 3539.12 | 831.44          |
| RALSSQHQAR                   | P11021  | 2                    | 1103.17 | 577.32          |
| RALSSQHQAR                   | P11021  | 3                    | 1103.54 | 385.21          |
| SDIDEIVLVGGSTR               | P11021  | 2                    | 7895.83 | 730.88          |
| SQIFSTASDNQPTVTIK            | P11021  | 2                    | 6081.44 | 918.97          |
| TFAPEEISAMVLTK               | P11021  | 2                    | 9476.05 | 768.90          |
| TFAPEEISAM(Oxidation)VLTK    | P11021  | 2                    | 7953.70 | 776.90          |
| TFAPEEISAM (Oxidation) VLTK  | P11021  | 2                    | 9484.35 | 776.90          |
| TKPYIQVDIGGGQTK              | P11021  | 3                    | 4136.75 | 535.63          |
| TKPYIQVDIGGGQTK              | P11021  | $\overline{2}$       | 4133.47 | 802.94          |
| TWNDPSVQQDIK                 | P11021  | $\frac{-}{2}$        | 4695.89 | 715.85          |
| VEIIANDQGNR                  | P11021  | 2                    | 2876.84 | 614.82          |
| VLEDSDLKK                    | P11021  | $\frac{-}{2}$        | 1841.47 | 523.79          |
| VLEDSDLKKSDIDEIVLVGGSTR      | P11021  | 4                    | 7426.59 | 622.83          |
| VLEDSDLKKSDIDEIVLVGGSTR      | P11021  | 3                    | 7427.12 | 830.11          |
| VM(Oxidation)EHFIK           | P11021  | $\overset{\circ}{2}$ | 1954.59 | 460.24          |
| VTHAVVTVPAYFNDAQR            | P11021  | 3                    | 5758.44 | 629.99          |
| VTHAVVTVPAYFNDAQR            | P11021  | $\frac{3}{2}$        | 5757.18 | 944.49          |
| VYEGERPLTK                   | P11021  | $\frac{2}{2}$        | 1926.05 | 596.32          |
| VYEGERPLTK                   | P11021  | $\frac{2}{3}$        | 1926.03 | 390.32 $397.88$ |
| VYEGERPLTKDNHLLGTFDLTGIPP    | P11021  | 4                    | 7715.33 | 777.41          |
| VIEGERI DIRDINIDEGIT DELGIFF | 1 11021 | 4                    | 1110.00 | 111.41          |

Table 7: Proteins of interest.