

Supplementary Table 2. Identified peptide-to-spectrum (PSM) match list of biotinylated peptides in mouse plasma

|                                            | ScanNum | FraMethod | Precursor | IsoptoeError | PrecursorEmr(ppm) | Charge | Peptide                               | Post | Protein              | DeNovoScore | MGFScore | SnpEValue | EValue   |
|--------------------------------------------|---------|-----------|-----------|--------------|-------------------|--------|---------------------------------------|------|----------------------|-------------|----------|-----------|----------|
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 28338   | HC        | 821.079   | -0.00        | 3.64              | 3      | QSIVGATENKK+Z26.07BAYANVSR            | L    | sp06A9353THI.MOUSE   | 146         | 129      | 8.89e-19  | 2.24e-11 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 6001    | HC        | 539.245   | -0.00        | 1.26              | 1      | IK+Z26.07AHSSTTRR                     | S    | sp0724ABU.MOUSE      | 121         | 121      | 2.77e-17  | 6.64e-10 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 8794    | HC        | 687.825   | -0.02        | 2.2               | 2      | NK+N26.07BSNLSLTK                     | N    | sp0724ABU.MOUSE      | 89          | 79       | 3.09e-12  | 7.28e-05 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 9524    | HC        | 575.783   | -0.00        | 1.48              | 2      | SCSK+Z26.07BTNTLK                     | B    | sp0724ABU.MOUSE      | 64          | 61       | 5.49e-11  | 1.27e-03 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 17451   | HC        | 665.311   | -0.00        | 1.48              | 2      | SLPFRK+Z26.07BFTTNR                   | H    | sp0724ABU.MOUSE      | 82          | 69       | 1.14e-10  | 2.61e-03 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 19146   | HC        | 665.311   | -0.00        | 1.58              | 3      | MIWVK+Z26.07TGLEDNQDFTNR              | L    | sp0724ABU.MOUSE      | 116         | 72       | 4.59e-12  | 1.72e-04 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 19212   | HC        | 99.661    | -0.00        | 2.2               | 2      | MIWVK+Z26.07TGLEDNQDFTNR              | L    | sp0724ABU.MOUSE      | 144         | 116      | 1.61e-15  | 3.94e-08 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 19629   | HC        | 784.044   | -0.00        | 1.17              | 1      | QLQVAK+Z26.07BGLDGNADQDNNRK           | L    | sp0724ABU.MOUSE      | 116         | 115      | 3.11e-15  | 6.73e-03 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 19856   | HC        | 783.717   | -0.00        | 1.17              | 1      | QLQVAK+Z26.07BGLDGNADQDNNRK           | L    | sp0724ABU.MOUSE      | 116         | 83       | 2.67e-14  | 6.64e-07 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 21189   | HC        | 21.888    | -0.00        | 1.54              | 3      | BLNGDYGVGHK+Z26.07RLQGALNK            | E    | sp0724ABU.MOUSE      | 224         | 204      | 1.21e-24  | 3.06e-17 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 22570   | HC        | 702.730   | -0.00        | 0.61              | 3      | QLQVAK+Z26.07BELTPFDR                 | K    | sp0724ABU.MOUSE      | 201         | 201      | 1.00e-19  | 2.47e-12 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 26073   | HC        | 702.730   | -0.00        | 0.61              | 3      | QLQVAK+Z26.07BELTPFDR                 | K    | sp0724ABU.MOUSE      | 94          | 94       | 1.78e-11  | 9.04e-04 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 26280   | HC        | 702.730   | -0.00        | 0.73              | 2      | LK+Z26.07NSLDFTNR                     | N    | sp0724ABU.MOUSE      | 123         | 120      | 1.45e-13  | 3.42e-06 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 27772   | HC        | 612.534   | -0.00        | 0.80              | 3      | QLQVAK+Z26.07BELTPFK                  | D    | sp0724ABU.MOUSE      | 120         | 128      | 1.17e-14  | 2.84e-07 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 27781   | HC        | 612.534   | -0.00        | 0.80              | 3      | QLQVAK+Z26.07BELTPFK                  | D    | sp0724ABU.MOUSE      | 168         | 168      | 3.92e-17  | 2.22e-09 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 30444   | HC        | 970.271   | -0.00        | 0.02              | 3      | MIWVPVLPLVGSKK+Z26.07BSGLQAPPEWK      | A    | sp0724ABU.MOUSE      | 219         | 147      | 6.89e-16  | 1.77e-08 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 30506   | HC        | 970.479   | -0.00        | 0.06              | 3      | MIWVPVLPLVGSKK+Z26.07BSGLQAPPEWK      | A    | sp0724ABU.MOUSE      | 136         | 136      | 1.53e-17  | 3.93e-10 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 31834   | HC        | 810.426   | -0.00        | 1.21              | 3      | QLPFAK+Z26.07BRGWSPDLPLVGSKK          | S    | sp0724ABU.MOUSE      | 177         | 168      | 1.26e-23  | 3.02e-16 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 31861   | HC        | 810.426   | -0.00        | 1.21              | 3      | QLPFAK+Z26.07BRGWSPDLPLVGSKK          | S    | sp0724ABU.MOUSE      | 84          | 84       | 1.48e-11  | 3.64e-04 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 20072   | HC        | 632.378   | -0.00        | -0.29             | 2      | IFPSK+Z26.07BARPKL                    | K    | sp080671.NGINI.MOUSE | 104         | 75       | 2.62e-11  | 6.18e-04 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 31823   | HC        | 874.717   | -0.00        | 0.00              | 3      | VLTGTCDSPYIPFK+Z26.07BYHKL            | E    | sp080671.NGINI.MOUSE | 140         | 101      | 3.40e-14  | 8.60e-07 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 31866   | HC        | 874.717   | -0.00        | 0.00              | 3      | VLTGTCDSPYIPFK+Z26.07BYHKL            | E    | sp080671.NGINI.MOUSE | 104         | 101      | 3.40e-14  | 8.60e-07 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 36375   | HC        | 727.528   | -0.00        | 1.09              | 3      | ATSZWAGCTK+Z26.07WEVERAR              | K    | sp080671.NGINI.MOUSE | 108         | 57       | 4.88e-11  | 1.22e-03 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 32295   | HC        | 93.031    | -0.00        | 0.31              | 2      | IK+Z26.07BGWSNVSNIAFWASK              | K    | sp080620AFAM.MOUSE   | 166         | 157      | 8.03e-18  | 1.98e-10 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 21262   | HC        | 708.381   | -0.00        | 0.31              | 2      | QWTSK+Z26.07BTVLTCAGSHLR              | K    | sp01027C03.MOUSE     | 208         | 193      | 2.45e-22  | 6.11e-15 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 21432   | HC        | 708.375   | -0.00        | 0.31              | 2      | QWTSK+Z26.07BTVLTCAGSHLR              | K    | sp01027C03.MOUSE     | 121         | 101      | 2.33e-17  | 5.91e-10 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 21458   | HC        | 871.929   | -0.00        | 0.36              | 2      | DSGIVETLVK+Z26.07BFDPRD               | D    | sp01027C03.MOUSE     | 102         | 91       | 1.20e-14  | 2.82e-07 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 27666   | HC        | 789.720   | -0.00        | -0.31             | 3      | AFPMVK+Z26.07BQSFQAEK                 | K    | sp01027C03.MOUSE     | 204         | 108      | 9.25e-13  | 2.31e-05 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 27888   | HC        | 810.100   | -0.00        | 0.10              | 3      | QWVGVK+Z26.07BNGKAPK+Z26.07TSGLQETQDR | A    | sp01027C03.MOUSE     | 134         | 148      | 1.67e-11  | 6.36e-04 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 28866   | HC        | 638.374   | -0.00        | -2.55             | 3      | VELGVAK+Z26.07BGVPLVNNK               | N    | sp01027C03.MOUSE     | 104         | 107      | 6.93e-15  | 1.71e-07 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 41116   | HC        | 855.912   | -0.00        | -0.62             | 3      | GVYLDGVGK+Z26.07BRLDEK                | A    | sp01029C08.MOUSE     | 94          | 58       | 3.69e-11  | 9.14e-04 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 44916   | HC        | 865.57    | -0.00        | 1.34              | 2      | CLTNK+Z26.07BTRVWASVCPFR              | K    | sp0101667JAB.MOUSE   | 134         | 117      | 1.73e-11  | 2.86e-05 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 16271   | HC        | 613.619   | -0.00        | -1.49             | 2      | LK+Z26.07TSTNNADFLK                   | F    | sp060832C08.MOUSE    | 134         | 111      | 2.35e-14  | 5.68e-07 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 16271   | HC        | 613.619   | -0.00        | -1.49             | 2      | ITCVNWK+Z26.07BWTSPPR                 | K    | sp060832C08.MOUSE    | 80          | 42       | 1.30e-10  | 3.15e-03 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 16271   | HC        | 613.619   | -0.00        | -1.49             | 2      | ITCVNWK+Z26.07BWTSPPR                 | K    | sp0724ABU.MOUSE      | 71          | 33e-12   | 1.30e-10  | 3.15e-03 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 10717   | HC        | 629.257   | -0.00        | -2.98             | 2      | MIWVK+Z26.07BCTCSMGIQK                | F    | sp0724ABU.MOUSE      | 80          | 80       | 3.92e-12  | 9.04e-05 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 11559   | HC        | 629.258   | -0.00        | -2.98             | 2      | MIWVK+Z26.07BCTCSMGIQK                | F    | sp0724ABU.MOUSE      | 84          | 84       | 3.92e-12  | 9.04e-05 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 13717   | HC        | 629.259   | -0.00        | -2.98             | 2      | MIWVK+Z26.07BCTCSMGIQK                | F    | sp0724ABU.MOUSE      | 80          | 79       | 3.92e-12  | 9.04e-05 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 20975   | HC        | 629.259   | -0.00        | -2.98             | 2      | MIWVK+Z26.07BCTCSMGIQK                | F    | sp0724ABU.MOUSE      | 84          | 84       | 3.92e-12  | 9.04e-05 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 32325   | HC        | 629.259   | -0.00        | -2.98             | 2      | MIWVK+Z26.07BCTCSMGIQK                | F    | sp0724ABU.MOUSE      | 82          | 81       | 3.94e-12  | 9.10e-05 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 3496    | HC        | 629.259   | -0.00        | -2.98             | 2      | MIWVK+Z26.07BCTCSMGIQK                | F    | sp0724ABU.MOUSE      | 86          | 71       | 9.69e-12  | 2.23e-04 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 3763    | HC        | 629.259   | -0.00        | -2.98             | 2      | MIWVK+Z26.07BCTCSMGIQK                | F    | sp0724ABU.MOUSE      | 86          | 71       | 9.69e-12  | 2.23e-04 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 4036    | HC        | 629.259   | -0.00        | -2.98             | 2      | MIWVK+Z26.07BCTCSMGIQK                | F    | sp0724ABU.MOUSE      | 69          | 60       | 6.50e-11  | 1.50e-03 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 4286    | HC        | 629.259   | -0.00        | -2.98             | 2      | MIWVK+Z26.07BCTCSMGIQK                | F    | sp0724ABU.MOUSE      | 89          | 89       | 3.92e-12  | 9.04e-05 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 4448    | HC        | 629.259   | -0.00        | -2.98             | 2      | MIWVK+Z26.07BCTCSMGIQK                | F    | sp0724ABU.MOUSE      | 62          | 74e-13   | 3.92e-12  | 9.04e-05 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 4539    | HC        | 629.258   | -0.00        | -2.98             | 2      | MIWVK+Z26.07BCTCSMGIQK                | F    | sp0724ABU.MOUSE      | 78          | 78       | 3.92e-12  | 9.04e-05 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 5316    | HC        | 621.261   | -0.00        | -0.59             | 2      | MIWVK+Z26.07BCTCSMGIQK                | F    | sp0724ABU.MOUSE      | 84          | 84       | 1.48e-12  | 3.42e-05 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 5338    | HC        | 629.259   | -0.00        | -0.59             | 2      | MIWVK+Z26.07BCTCSMGIQK                | F    | sp0724ABU.MOUSE      | 87          | 74       | 8.35e-12  | 2.02e-04 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 5687    | HC        | 629.259   | -0.00        | -0.59             | 2      | MIWVK+Z26.07BCTCSMGIQK                | F    | sp0724ABU.MOUSE      | 120         | 114      | 1.75e-11  | 4.13e-03 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 6334    | HC        | 621.261   | -0.00        | -0.20             | 2      | MIWVK+Z26.07BCTCSMGIQK                | F    | sp0724ABU.MOUSE      | 75          | 71       | 7.97e-12  | 1.84e-04 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 11849   | HC        | 786.311   | -0.00        | 1.41              | 2      | CSMSKWK+Z26.07BFTNR                   | K    | sp0724ABU.MOUSE      | 119         | 119      | 1.06e-14  | 2.51e-07 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 12123   | HC        | 786.310   | -0.00        | 1.21              | 3      | MIWVK+Z26.07BFTNR                     | K    | sp0724ABU.MOUSE      | 53          | 77e-11   | 1.06e-14  | 2.51e-07 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 12239   | HC        | 786.310   | -0.00        | 1.20              | 3      | MIWVK+Z26.07BFTNR                     | K    | sp0724ABU.MOUSE      | 104         | 92       | 3.79e-14  | 9.17e-07 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 14263   | HC        | 758.023   | -0.00        | 0.56              | 3      | TPSYVHTK+Z26.07BCTSGSVLVER            | K    | sp0724ABU.MOUSE      | 165         | 165      | 1.59e-23  | 3.96e-16 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 15023   | HC        | 758.023   | -0.00        | 0.56              | 3      | TPSYVHTK+Z26.07BCTSGSVLVER            | K    | sp0724ABU.MOUSE      | 142         | 142      | 2.63e-13  | 6.32e-06 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 15955   | HC        | 757.299   | -0.00        | 0.11              | 3      | LGTCCK+Z26.07BPLPKL                   | A    | sp0724ABU.MOUSE      | 139         | 239      | 2.49e-16  | 5.97e-09 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 16027   | HC        | 955.644   | -0.00        | 0.92              | 2      | LGTCCK+Z26.07BPLPKL                   | A    | sp0724ABU.MOUSE      | 136         | 118      | 3.32e-15  | 7.96e-08 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 16224   | HC        | 873.232   | -0.00        | 1.73              | 3      | LGTCCK+Z26.07BPLPKL                   | A    | sp0724ABU.MOUSE      | 100         | 88       | 4.17e-13  | 1.00e-05 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 16249   | HC        | 873.232   | -0.00        | 1.73              | 3      | LGTCCK+Z26.07BPLPKL                   | A    | sp0724ABU.MOUSE      | 108         | 108      | 4.17e-13  | 1.00e-05 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 16340   | HC        | 873.232   | -0.00        | 2.0               | 2      | BK+Z26.07ALLVSSVR                     | K    | sp0724ABU.MOUSE      | 98          | 95       | 1.34e-11  | 3.14e-04 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 16565   | HC        | 788.635   | -0.00        | 0.23              | 4      | VLLCHTK+Z26.07PVSHVTK                 | R    | sp0724ABU.MOUSE      | 190         | 156      | 2.47e-22  | 6.30e-15 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 16607   | HC        | 788.635   | -0.00        | 0.23              | 4      | VLLCHTK+Z26.07PVSHVTK                 | R    | sp0724ABU.MOUSE      | 156         | 156      | 2.47e-22  | 6.30e-15 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 16607   | HC        | 788.635   | -0.00        | 0.23              | 4      | VLLCHTK+Z26.07PVSHVTK                 | R    | sp0724ABU.MOUSE      | 156         | 156      | 2.47e-22  | 6.30e-15 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 16670   | HC        | 801.932   | -0.00        | -0.40             | 2      | BK+Z26.07ALLVSSVR                     | K    | sp0724ABU.MOUSE      | 85          | 83       | 1.34e-11  | 3.14e-04 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 16670   | HC        | 801.932   | -0.00        | -0.40             | 2      | BK+Z26.07ALLVSSVR                     | K    | sp0724ABU.MOUSE      | 157         | 146      | 7.06e-16  | 1.69e-08 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 16670   | HC        | 801.932   | -0.00        | -0.40             | 2      | BK+Z26.07ALLVSSVR                     | K    | sp0724ABU.MOUSE      | 143         | 140      | 2.98e-16  | 7.97e-09 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 16875   | HC        | 747.344   | -0.00        | 1.04              | 4      | VLLCHTK+Z26.07PVSHVTK                 | C    | sp0724ABU.MOUSE      | 162         | 162      | 1.31e-20  | 3.23e-13 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 16902   | HC        | 701.696   | -0.00        | 0.61              | 3      | VLLCHTK+Z26.07PVSHVTK                 | C    | sp0724ABU.MOUSE      | 162         | 95       | 7.55e-13  | 1.86e-05 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 16922   | HC        | 861.914   | -0.00        | 1.56              | 2      | NK+N26.07TNCVZVYK                     | K    | sp0724ABU.MOUSE      | 134         | 124      | 2.29e-16  | 6.69e-09 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 16968   | HC        | 576.324   | -0.00        | 0.99              | 2      | LDGVK+Z26.07BVALSVSR                  | N    | sp0724ABU.MOUSE      | 180         | 170      | 1.05e-11  | 2.55e-10 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 16748   | HC        | 663.881   | -0.00        | 0.99              | 2      | LDGVK+Z26.07BVALSVSR                  | K    | sp0724ABU.MOUSE      | 66          | 46       | 3.33e-11  | 8.11e-04 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 16784   | HC        | 790.316   | -0.00        | 0.77              | 4      | MIWMCENQAITSK+Z26.07BQLTCDCKPLRK      | K    | sp0724ABU.MOUSE      | 222         | 196      | 1.72e-24  | 4.44e-17 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 16815   | HC        | 790.316   | -0.00        | 0.77              | 4      | MIWMCENQAITSK+Z26.07BQLTCDCKPLRK      | K    | sp0724ABU.MOUSE      | 238         | 202      | 2.05e-25  | 5.18e-18 |
| tsac.4_1.NQ4044.J001.FIXED.FIXED.renorm.MS | 18952   |           |           |              |                   |        |                                       |      |                      |             |          |           |          |

|                                             |       |     |         |   |       |   |   |                                        |   |                      |     |     |         |         |
|---------------------------------------------|-------|-----|---------|---|-------|---|---|----------------------------------------|---|----------------------|-----|-----|---------|---------|
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 40544 | HCD | 980171  | 1 | -0.73 | 3 | R | INDLGEORFK+226.078VLGVIAVSQVQK         | C | spP07724ALBU_MOUSE   | 118 | 76  | 1932.13 | 4932.06 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 40625 | HCD | 884118  | 0 | -1.10 | 3 | R | LSQTFPNADFKTK+226.078LATDLTK           | V | spP07724ALBU_MOUSE   | 188 | 165 | 3178.19 | 8086.12 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 40914 | HCD | 884116  | 0 | -4.07 | 3 | R | LSQTFPNADFKTK+226.078LATDLTK           | V | spP07724ALBU_MOUSE   | 117 | 83  | 1838.15 | 2126.07 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 40955 | HCD | 884452  | 1 | -1.77 | 3 | R | LSQTFPNADFKTK+226.078LATDLTK           | V | spP07724ALBU_MOUSE   | 188 | 68  | 1266.13 | 3206.06 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 41511 | HCD | 884452  | 1 | -2.12 | 3 | R | LSQTFPNADFKTK+226.078LATDLTK           | V | spP07724ALBU_MOUSE   | 233 | 33  | 8166.11 | 2088.03 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 41543 | HCD | 884433  | 0 | -0.33 | 2 | R | WKK+226.078AVANR                       | V | spP07724ALBU_MOUSE   | 104 | 14  | 1456.12 | 3406.05 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 41564 | HCD | 1010800 | 0 | -0.12 | 3 | R | WMIQCNQANISQA+226.078GTCCDCKPLK        | K | spP07724ALBU_MOUSE   | 124 | 55  | 2566.12 | 6546.05 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 41566 | HCD | 1005469 | 0 | 0.00  | 3 | K | WMIQCNQANISQA+226.078GTCCDCKPLK        | K | spP07724ALBU_MOUSE   | 160 | 93  | 5358.15 | 1378.07 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 41615 | HCD | 7891375 | 0 | -0.73 | 3 | R | WMIQCNQANISQA+226.078GTCCDCKPLK        | K | spP07724ALBU_MOUSE   | 128 | 73  | 1466.12 | 3376.05 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 41735 | HCD | 716862  | 0 | -0.60 | 2 | R | WNVK+226.078SMQWLLK                    | V | spP192211THRB_MOUSE  | 190 | 162 | 1486.12 | 3496.05 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 20032 | HCD | 576368  | 0 | 1.16  | 3 | K | IBMQWLLK+226.078VYVHR                  | V | spP192211THRB_MOUSE  | 82  | 82  | 8656.14 | 2086.06 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 6719  | HCD | 602794  | 0 | -0.61 | 2 | R | TK+226.078SGVQVCK                      | W | spP0918PMLN_MOUSE    | 84  | 71  | 1280.10 | 2988.03 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 13437 | HCD | 779373  | 0 | 0.31  | 3 | K | ICQCVNANWAKK+226.078TSSIR              | M | spP0918PMLN_MOUSE    | 88  | 97  | 9475.17 | 2356.09 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 13890 | HCD | 711019  | 0 | 0.43  | 3 | R | TK+226.078TNTSPAEIKMQWVQK              | H | spP2161ATVDB_MOUSE   | 103 | 53  | 1646.11 | 4066.04 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 24449 | HCD | 656668  | 0 | 0.37  | 3 | R | K+226.078PSSSTTQCNQVQK                 | L | spP2161ATVDB_MOUSE   | 120 | 99  | 1331.15 | 3218.08 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 24558 | HCD | 884469  | 0 | 0.37  | 2 | R | K+226.078PSSSTTQCNQVQK                 | E | spP2161ATVDB_MOUSE   | 136 | 13  | 3238.18 | 7302.11 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 16108 | HCD | 678372  | 0 | 1.80  | 2 | K | GTQCK+226.078VAVK                      | E | spP2599A1AT2_MOUSE   | 120 | 116 | 5346.14 | 1278.06 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 21770 | HCD | 767416  | 0 | 0.72  | 3 | K | WINDVEGTQCK+226.078VEAVK               | E | spP2599A1AT2_MOUSE   | 149 | 122 | 1838.17 | 4598.10 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 25280 | HCD | 712596  | 0 | -0.34 | 2 | K | IKSK+226.078VHR                        | R | spP2599A1AT2_MOUSE   | 116 | 113 | 3046.16 | 1556.04 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 25500 | HCD | 705725  | 0 | -0.69 | 0 | G | HSLLPVPVOTQCK+226.078VLLGK             | V | spP239351EST1C_MOUSE | 159 | 162 | 1378.18 | 3416.11 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 33450 | HCD | 898462  | 1 | -0.66 | 3 | K | APPELAK+226.078TNTVPVGVQK              | Q | spP239351EST1C_MOUSE | 139 | 39  | 9946.23 | 2538.15 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 33493 | HCD | 898128  | 0 | 0.14  | 3 | K | APPELAK+226.078TNTVPVGVQK              | Q | spP239351EST1C_MOUSE | 192 | 170 | 6646.24 | 1698.16 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 36631 | HCD | 586531  | 0 | 0.00  | 2 | R | BLNVK+226.078HK                        | D | spP28665MUG1_MOUSE   | 100 | 100 | 9296.11 | 2116.03 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 3542  | HCD | 579292  | 0 | 0.00  | 2 | R | BLNVK+226.078HK                        | D | spP28665MUG1_MOUSE   | 79  | 69  | 1306.10 | 2946.03 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 18861 | HCD | 602124  | 0 | 0.71  | 5 | K | WKSIVFVDTQCPYKPVQSKV+226.078R          | V | spP28665MUG1_MOUSE   | 130 | 133 | 2468.18 | 6316.11 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 18880 | HCD | 752405  | 0 | 3.16  | 4 | K | WKSIVFVDTQCPYKPVQSKV+226.078R          | V | spP28665MUG1_MOUSE   | 156 | 52  | 4811.11 | 1238.03 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 22321 | HCD | 890690  | 0 | 0.41  | 4 | K | WPNAMQSVNDVSLVQCK+226.078VTKPVGVQK     | I | spP28665MUG1_MOUSE   | 214 | 123 | 6806.17 | 1806.09 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 24832 | HCD | 566321  | 0 | -0.22 | 2 | K | TK+226.078ATGLR                        | A | spP28665MUG1_MOUSE   | 91  | 91  | 6506.11 | 1508.03 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 25932 | HCD | 717124  | 0 | 0.29  | 2 | K | PERQSCWCK+226.078VQK                   | D | spP060623AP0A1_MOUSE | 97  | 73  | 1946.16 | 2306.14 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 26246 | HCD | 862446  | 0 | -1.06 | 3 | K | QMIQSVSLAARQPGPKV+226.078VQK           | E | spP28665MUG1_MOUSE   | 165 | 129 | 3716.19 | 9382.12 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 27874 | HCD | 475392  | 0 | 0.06  | 3 | K | HGPVTKV+226.078VQK                     | L | spP28665MUG1_MOUSE   | 78  | 68  | 1706.11 | 4016.04 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 29129 | HCD | 983812  | 0 | 1.61  | 3 | R | FNVLGK+226.078VPMQSVNDVSLVQCK          | Y | spP28665MUG1_MOUSE   | 154 | 92  | 6466.17 | 1671.09 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 3284  | HCD | 698294  | 0 | 0.09  | 2 | R | ITNK+226.078VQK                        | A | spP28665MUG1_MOUSE   | 108 | 133 | 1466.12 | 4086.05 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 29373 | HCD | 658896  | 1 | 0.33  | 2 | R | ITNK+226.078VQK                        | L | spP28665MUG1_MOUSE   | 122 | 101 | 2626.11 | 6126.04 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 33536 | HCD | 107501  | 0 | 0.57  | 4 | R | WQGVSLVLPKSESPSWYMLRPMQVQK+226.078VPSR | L | spP28665MUG1_MOUSE   | 186 | 86  | 1546.15 | 4156.09 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 33922 | HCD | 1057560 | 0 | -0.12 | 3 | R | WVMQWCK+226.078WKKRLNELLPLAYEDPK       | N | spP28665MUG1_MOUSE   | 187 | 77  | 1286.12 | 3308.05 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 34111 | HCD | 793420  | 0 | -2.23 | 4 | R | WVMQWCK+226.078WKKRLNELLPLAYEDPK       | N | spP28665MUG1_MOUSE   | 213 | 119 | 1728.14 | 4436.07 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 34573 | HCD | 793124  | 0 | -0.15 | 2 | R | WVMQWCK+226.078WKKRLNELLPLAYEDPK       | N | spP28665MUG1_MOUSE   | 188 | 154 | 1966.14 | 4596.04 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 34753 | HCD | 1012531 | 0 | 1.27  | 3 | R | K+226.078NLLFELDKDQCVQSFIR             | L | spP28665MUG1_MOUSE   | 340 | 335 | 7376.29 | 1886.21 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 38992 | HCD | 1012862 | 1 | -1.43 | 3 | R | K+226.078NLLFELDKDQCVQSFIR             | L | spP28665MUG1_MOUSE   | 226 | 200 | 8146.23 | 2086.15 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 37567 | HCD | 705893  | 0 | 0.26  | 2 | K | QVLMQCK+226.078VQK                     | V | spP2999P1TUA_MOUSE   | 148 | 148 | 3938.13 | 9276.06 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 37921 | HCD | 810467  | 0 | 0.26  | 2 | K | QVLMQCK+226.078VQK                     | V | spP2999P1TUA_MOUSE   | 131 | 131 | 3546.14 | 8546.07 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 38046 | HCD | 704006  | 0 | 1.04  | 3 | K | TSQDHFIFAK+226.078NLCR                 | L | spP32161ANT3_MOUSE   | 178 | 157 | 2526.19 | 6176.12 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 38502 | HCD | 704339  | 1 | -0.92 | 3 | K | TSQDHFIFAK+226.078NLCR                 | L | spP32161ANT3_MOUSE   | 160 | 142 | 5938.19 | 1456.11 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 38631 | HCD | 146052  | 0 | 0.15  | 2 | K | WKSIVFVDTQCPYKPVQSKV+226.078R          | D | spP2999P1TUA_MOUSE   | 55  | 49  | 1366.12 | 1626.07 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 39370 | HCD | 793370  | 0 | 0.15  | 2 | K | WKSIVFVDTQCPYKPVQSKV+226.078R          | D | spP2999P1TUA_MOUSE   | 139 | 124 | 1426.13 | 3386.06 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 39548 | HCD | 529249  | 0 | -0.23 | 0 | K | PERQSCWCK+226.078VQK                   | D | spP060623AP0A1_MOUSE | 98  | 82  | 2332.12 | 5326.05 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 39571 | HCD | 529249  | 0 | -0.23 | 0 | K | PERQSCWCK+226.078VQK                   | D | spP060623AP0A1_MOUSE | 93  | 83  | 2332.12 | 4816.05 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 39704 | HCD | 626327  | 0 | 1.27  | 3 | K | QK+226.078VQVQVDEPK                    | W | spP060623AP0A1_MOUSE | 116 | 94  | 4146.14 | 1006.06 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 23171 | HCD | 703687  | 0 | 0.87  | 3 | K | WV+226.078VDANVYVQVADGSR               | D | spP060623AP0A1_MOUSE | 135 | 101 | 3936.16 | 9746.09 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 24094 | HCD | 847435  | 0 | 0.22  | 2 | K | WV+226.078VDANVYVQVADGSR               | D | spP060623AP0A1_MOUSE | 161 | 157 | 5058.18 | 1228.10 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 24675 | HCD | 847435  | 0 | 0.22  | 2 | K | PERQSCWCK+226.078VQK                   | D | spP060623AP0A1_MOUSE | 209 | 232 | 6076.25 | 1706.17 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 29852 | HCD | 703687  | 0 | -0.82 | 0 | K | PERQSCWCK+226.078VQK                   | D | spP060623AP0A1_MOUSE | 209 | 191 | 1626.16 | 4138.19 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 29898 | HCD | 926589  | 0 | 0.00  | 0 | K | PERQSCWCK+226.078VQK                   | D | spP060623AP0A1_MOUSE | 208 | 109 | 1546.15 | 3928.08 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 30649 | HCD | 847435  | 0 | -0.12 | 0 | K | PERQSCWCK+226.078VQK                   | D | spP060623AP0A1_MOUSE | 169 | 169 | 3486.16 | 5026.06 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 30717 | HCD | 806385  | 0 | 0.08  | 0 | K | PERQSCWCK+226.078VQK                   | D | spP060623AP0A1_MOUSE | 210 | 171 | 2386.23 | 6176.16 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 30300 | HCD | 936449  | 0 | -0.72 | 0 | K | PERQSCWCK+226.078VQK                   | D | spP060623AP0A1_MOUSE | 114 | 72  | 2866.16 | 7226.09 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 30784 | HCD | 8296784 | 0 | -0.30 | 0 | K | PERQSCWCK+226.078VQK                   | D | spP060623AP0A1_MOUSE | 132 | 132 | 2176.21 | 6036.14 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 41502 | HCD | 818115  | 0 | -0.30 | 0 | K | PERQSCWCK+226.078VQK                   | D | spP060623AP0A1_MOUSE | 159 | 114 | 2476.14 | 6186.07 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 32675 | HCD | 932127  | 0 | -0.46 | 3 | K | WCTASGQVHLVPAK+226.078VQK              | T | spQ01279EGR_MOUSE    | 142 | 36  | 8806.11 | 2256.03 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 46930 | HCD | 917841  | 0 | -1.13 | 3 | K | WCTASGQVHLVPAK+226.078VQK              | G | spQ01279EGR_MOUSE    | 40  | 40  | 2786.11 | 7176.04 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 47924 | HCD | 877582  | 0 | -0.79 | 2 | K | WCTASGQVHLVPAK+226.078VQK              | G | spQ01279EGR_MOUSE    | 68  | 53  | 1026.13 | 1096.02 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 20556 | HCD | 682349  | 0 | -0.89 | 2 | K | WCTASGQVHLVPAK+226.078VQK              | H | spQ01279EGR_MOUSE    | 61  | 50  | 1206.10 | 2846.03 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 10016 | HCD | 671350  | 0 | -1.00 | 2 | K | WCTASGQVHLVPAK+226.078VQK              | N | spQ01279EGR_MOUSE    | 101 | 86  | 3846.11 | 9086.04 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 14650 | HCD | 847435  | 0 | -0.86 | 2 | K | WCTASGQVHLVPAK+226.078VQK              | N | spQ01279EGR_MOUSE    | 84  | 76  | 1316.13 | 1686.05 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 23501 | HCD | 850748  | 0 | 0.50  | 3 | K | K+226.078VQVQVDEPK                     | I | spQ01147CERU_MOUSE   | 88  | 43  | 1336.11 | 3346.04 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 28301 | HCD | 833419  | 0 | 0.81  | 3 | R | DTANFPRK+226.078VQVQVDEPK              | G | spQ01147CERU_MOUSE   | 99  | 88  | 6366.22 | 1606.14 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 33479 | HCD | 678998  | 0 | 1.08  | 3 | R | DTANFPRK+226.078VQVQVDEPK              | G | spQ01147CERU_MOUSE   | 78  | 55  | 1316.13 | 1686.05 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 33761 | HCD | 991553  | 1 | -1.20 | 2 | K | TK+226.078VQVQVDEPK                    | V | spQ01147CERU_MOUSE   | 79  | 55  | 1506.12 | 1366.04 |
| Isaac.4.1.NA4444.1100.198002.FIXED.yes.mmtL | 33761 | HCD | 991553  | 1 | -1.20 | 2 | K | TK                                     |   |                      |     |     |         |         |

|                                               |       |     |          |   |       |   |   |                                       |   |                            |     |     |          |          |
|-----------------------------------------------|-------|-----|----------|---|-------|---|---|---------------------------------------|---|----------------------------|-----|-----|----------|----------|
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 15778 | HCD | 568.944  | 0 | -1.39 | 3 | R | DHMGWIK+226.0781VLPDPPGR              | L | spQ92111TRF_MOUSE          | 106 | 80  | 8.25E-13 | 1.99E-05 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 16032 | HCD | 568.945  | 0 | 0.21  | 3 | R | DHMGWIK+226.0781VLPDPPGR              | L | spQ92111TRF_MOUSE          | 84  | 59  | 3.12E-11 | 7.53E-04 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 16270 | HCD | 739.654  | 0 | 0.00  | 3 | K | GAPNKK+226.0782VMTGTGAGR              | C | spQ92111TRF_MOUSE          | 122 | 104 | 4.32E-18 | 1.07E-10 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 18467 | HCD | 611.317  | 0 | -0.80 | 3 | K | K+226.0776TGTFQFNQLEGGK               | S | spQ92111TRF_MOUSE          | 134 | 119 | 5.01E-16 | 1.22E-08 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 19476 | HCD | 750.667  | 0 | -0.65 | 3 | K | WCWVSEHNTK+226.0783FSR                | D | spQ92111TRF_MOUSE          | 222 | 219 | 1.48E-22 | 3.66E-15 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 19513 | HCD | 751.003  | 0 | -0.71 | 3 | K | WCWVSEHNTK+226.0783FSR                | D | spQ92111TRF_MOUSE          | 117 | 116 | 1.06E-14 | 2.71E-07 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 19809 | HCD | 750.668  | 0 | 0.24  | 3 | K | WCWVSEHNTK+226.0783FSR                | D | spQ92111TRF_MOUSE          | 216 | 60  | 8.00E-12 | 1.97E-04 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 20141 | HCD | 852.423  | 0 | -1.58 | 2 | K | K+226.0776TGTFQFNQLEGGK               | S | spQ92111TRF_MOUSE          | 182 | 182 | 1.72E-17 | 4.15E-10 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 20474 | HCD | 568.945  | 0 | -1.43 | 3 | K | WCWVSEHNTK+226.0783FSR                | D | spQ92111TRF_MOUSE          | 59  | 62  | 6.21E-12 | 1.51E-04 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 20534 | HCD | 852.425  | 0 | 0.50  | 2 | K | STDFQFNQLEGGK+226.0787K               | S | spQ92111TRF_MOUSE          | 149 | 137 | 3.40E-14 | 8.21E-07 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 24975 | HCD | 622.326  | 0 | -0.29 | 3 | K | GK+226.0785KQGLFSSPLGK                | D | spQ92111TRF_MOUSE          | 134 | 131 | 4.49E-19 | 1.10E-11 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 25041 | HCD | 932.986  | 0 | 1.50  | 2 | K | GK+226.0785KQGLFSSPLGK                | D | spQ92111TRF_MOUSE          | 72  | 32  | 1.49E-11 | 3.65E-04 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 26511 | HCD | 112.847  | 0 | 1.65  | 3 | K | NDQGVKPCFGCDGKPNK+226.078WALCHSLR     | T | spQ92111TRF_MOUSE          | 77  | 9   | 1.37E-11 | 3.55E-04 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 28366 | HCD | 840.427  | 0 | 0.65  | 2 | K | GK+226.0780RQFLSPSLGK                 | D | spQ92111TRF_MOUSE          | 177 | 174 | 1.17E-16 | 2.83E-09 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 28555 | HCD | 840.526  | 1 | -1.01 | 2 | K | GK+226.0780RQFLSPSLGK                 | D | spQ92111TRF_MOUSE          | 178 | 172 | 1.89E-16 | 4.57E-09 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 31762 | HCD | 621.085  | 0 | -0.79 | 4 | K | GK+226.0785RQFLSPSLGKDLFK             | D | spQ92111TRF_MOUSE          | 133 | 96  | 1.49E-16 | 3.76E-09 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 34718 | HCD | 642.677  | 0 | 0.38  | 3 | R | NNNGK+226.078EULWELK                  | V | spQ92111TRF_MOUSE          | 125 | 112 | 1.14E-14 | 2.79E-07 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 34928 | HCD | 766.409  | 1 | 2.02  | 3 | K | GK+226.0780RQFLSPSLGKDLFK             | D | spQ92111TRF_MOUSE          | 133 | 75  | 3.05E-13 | 7.61E-06 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 35414 | HCD | 766.406  | 1 | 1.14  | 3 | K | NDQGVKPSRQK+226.0780LEFLK             | D | spQ92111TRF_MOUSE          | 165 | 152 | 9.47E-17 | 2.36E-09 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 35431 | HCD | 766.073  | 0 | 0.48  | 3 | K | NDQGVKPSLQK+226.0780LEFLK             | D | spQ92111TRF_MOUSE          | 162 | 150 | 1.10E-17 | 2.75E-10 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 35874 | HCD | 1004.478 | 1 | 0.20  | 3 | R | SPELK+226.0780VAVSSFGSGVPCADPVAFPK    | L | spQ92111TRF_MOUSE          | 193 | 141 | 1.32E-21 | 3.41E-14 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 35888 | HCD | 1004.143 | 0 | -0.18 | 3 | R | SPELK+226.0780VAVSSFGSGVPCADPVAFPK    | L | spQ92111TRF_MOUSE          | 183 | 158 | 7.39E-27 | 1.91E-19 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 35921 | HCD | 753.362  | 0 | 3.81  | 4 | R | SPELK+226.0780VAVSSFGSGVPCADPVAFPK    | L | spQ92111TRF_MOUSE          | 133 | 89  | 2.24E-17 | 5.81E-10 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 36149 | HCD | 1004.143 | 0 | 0.00  | 3 | R | SPELK+226.0780VAVSSFGSGVPCADPVAFPK    | L | spQ92111TRF_MOUSE          | 178 | 150 | 5.42E-25 | 1.40E-17 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 36174 | HCD | 753.359  | 0 | 0.41  | 4 | R | SPELK+226.0780VAVSSFGSGVPCADPVAFPK    | L | spQ92111TRF_MOUSE          | 141 | 68  | 5.23E-14 | 1.35E-06 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 36181 | HCD | 724.066  | 0 | 0.25  | 3 | K | DLFLK+226.0780SAGLNLPR                | M | spQ92111TRF_MOUSE          | 150 | 120 | 2.81E-14 | 6.97E-07 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 36426 | HCD | 860.958  | 0 | 0.14  | 2 | K | DLFLK+226.0780SAGNLRL                 | V | spQ92111TRF_MOUSE          | 167 | 166 | 6.93E-16 | 1.68E-08 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 36432 | HCD | 574.308  | 0 | -0.32 | 3 | K | DLFLK+226.0780SAGNLRL                 | V | spQ92111TRF_MOUSE          | 133 | 126 | 1.64E-15 | 3.96E-08 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 36440 | HCD | 724.066  | 0 | -0.08 | 3 | K | DLFLK+226.0780SAGNLNLPR               | M | spQ92111TRF_MOUSE          | 167 | 127 | 1.59E-15 | 3.93E-08 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 36679 | HCD | 860.958  | 0 | -0.07 | 2 | K | DLFLK+226.0780SAGNLRL                 | V | spQ92111TRF_MOUSE          | 173 | 171 | 6.93E-16 | 1.68E-08 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 36702 | HCD | 724.067  | 0 | 0.51  | 3 | K | DLFLK+226.0780SAGNLNLPR               | M | spQ92111TRF_MOUSE          | 146 | 88  | 3.06E-11 | 7.58E-04 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 36704 | HCD | 574.308  | 0 | 0.85  | 3 | K | DLFLK+226.0780SAGNLRL                 | V | spQ92111TRF_MOUSE          | 96  | 94  | 2.39E-15 | 5.78E-08 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 36938 | HCD | 860.958  | 0 | -0.71 | 2 | K | DLFLK+226.0780SAGNLRL                 | V | spQ92111TRF_MOUSE          | 182 | 134 | 9.00E-16 | 2.29E-08 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 37505 | HCD | 860.957  | 0 | -1.06 | 2 | K | DLFLK+226.0780SAGNLRL                 | V | spQ92111TRF_MOUSE          | 100 | 80  | 5.32E-13 | 1.29E-05 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 38013 | HCD | 860.959  | 0 | 0.71  | 2 | K | DLFLK+226.0780SAGNLRL                 | V | spQ92111TRF_MOUSE          | 80  | 72  | 3.43E-12 | 8.30E-05 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 38914 | HCD | 594.698  | 0 | 1.3   | 3 | K | NDQGVKPSRQK+226.0780LEFLK             | D | spQ92111TRF_MOUSE          | 137 | 131 | 3.15E-11 | 7.77E-04 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 47567 | HCD | 790.421  | 0 | -1.16 | 3 | R | SAGWVWPLGCK+226.0781SESPR             | S | spQ92111TRF_MOUSE          | 157 | 114 | 8.28E-15 | 2.08E-07 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 38761 | HCD | 885.445  | 1 | -1.56 | 3 | A | LPTTHCDVSEHLEAKK+226.0781VDLNDLK      | G | spQ92583HRC_MOUSE          | 171 | 120 | 5.44E-15 | 1.38E-07 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 38762 | HCD | 885.113  | 0 | 1.63  | 3 | A | LPTTHCDVSEHLEAKK+226.0781VDLNDLK      | G | spQ92583HRC_MOUSE          | 182 | 134 | 9.00E-16 | 2.29E-08 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 14591 | HCD | 664.355  | 0 | -0.73 | 2 | K | STQOK+226.078AIAWK                    | K | H1AADA0MQ3AJAADA0MQ3_MOUSE | 98  | 89  | 9.76E-13 | 2.32E-05 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 14681 | HCD | 664.858  | 1 | 0.78  | 2 | K | GTQAK+226.078AIAWK                    | K | H1AADA0MQ3AJAADA0MQ3_MOUSE | 96  | 85  | 1.07E-12 | 2.55E-05 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 16999 | HCD | 596.982  | 0 | -0.41 | 3 | K | RVNDVFKK+226.078GTQK                  | I | H1AADA0MQ3AJAADA0MQ3_MOUSE | 102 | 97  | 1.62E-14 | 3.95E-07 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 18337 | HCD | 830.923  | 0 | 1.40  | 3 | K | RVNDVFKK+226.078GTQK                  | I | H1AADA0MQ3AJAADA0MQ3_MOUSE | 156 | 126 | 2.47E-17 | 5.96E-10 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 20516 | HCD | 676.345  | 0 | -4.33 | 3 | K | MkwQHQLEQTLK+226.078ELSK              | F | H1AADA0MQ3AJAADA0MQ3_MOUSE | 110 | 71  | 9.48E-12 | 2.32E-04 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 23101 | HCD | 716.381  | 0 | 0.17  | 2 | K | LVKK+226.078FLFEAK                    | N | H1AADA0MQ3AJAADA0MQ3_MOUSE | 115 | 114 | 1.07E-12 | 2.53E-05 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 26870 | HCD | 790.470  | 1 | -3.55 | 2 | K | ELSK+226.078FLFLHR                    | R | H1AADA0MQ3AJAADA0MQ3_MOUSE | 124 | 122 | 3.37E-12 | 7.95E-05 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 30642 | HCD | 729.910  | 0 | -0.33 | 2 | K | ELSK+226.078FLFLHR                    | R | H1AADA0MQ3AJAADA0MQ3_MOUSE | 110 | 107 | 3.37E-12 | 7.95E-05 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 42161 | HCD | 804.099  | 0 | -0.61 | 3 | K | RLDQDTVALYANLTK+226.078GK             | W | H1AADA0MQ3AJAADA0MQ3_MOUSE | 214 | 130 | 2.65E-14 | 6.64E-07 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 30618 | HCD | 578.314  | 0 | 1.06  | 3 | K | RVNDVFKK+226.078GTQK                  | N | H1AADA0MQ3AJAADA0MQ3_MOUSE | 105 | 105 | 4.32E-11 | 9.98E-04 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 27336 | HCD | 609.313  | 0 | -0.70 | 3 | K | DLQLAEHKK+226.078TRT                  | A | H1AADA0MQ3AJAADA0MQ3_MOUSE | 164 | 164 | 1.67E-16 | 4.03E-09 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 28718 | HCD | 658.351  | 0 | -1.48 | 3 | R | K+226.078TSSQGEELNPK                  | F | H1AADA0MQ3AJAADA0MQ3_MOUSE | 107 | 84  | 7.71E-14 | 1.89E-06 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 28735 | HCD | 658.686  | 1 | -0.34 | 3 | R | K+226.078TSSQGEELNPK                  | F | H1AADA0MQ3AJAADA0MQ3_MOUSE | 116 | 98  | 3.55E-14 | 8.71E-07 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 38136 | HCD | 901.250  | 0 | 0.88  | 4 | K | RLSVQZVWK+226.078VLDVAGTGTAAATGVGGIRK | A | H1AADA0MQ3AJAADA0MQ3_MOUSE | 341 | 228 | 1.38E-23 | 3.60E-16 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 38140 | HCD | 721.201  | 0 | 0.76  | 5 | K | RLSVQZVWK+226.078VLDVAGTGTAAATGVGGIRK | A | H1AADA0MQ3AJAADA0MQ3_MOUSE | 232 | 135 | 1.22E-18 | 3.26E-11 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 39411 | HCD | 869.224  | 0 | -0.70 | 4 | K | RLSVQZVWK+226.078VLDVAGTGTAAATGVGGIRK | K | H1AADA0MQ3AJAADA0MQ3_MOUSE | 354 | 114 | 2.07E-13 | 5.51E-06 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 39451 | HCD | 1158.966 | 1 | 0.86  | 3 | K | RLSVQZVWK+226.078VLDVAGTGTAAATGVGGIRK | K | H1AADA0MQ3AJAADA0MQ3_MOUSE | 317 | 138 | 5.87E-16 | 1.56E-08 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 39457 | HCD | 1158.630 | 0 | -0.84 | 3 | K | RLSVQZVWK+226.078VLDVAGTGTAAATGVGGIRK | K | H1AADA0MQ3AJAADA0MQ3_MOUSE | 284 | 144 | 5.92E-17 | 1.58E-09 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 39641 | HCD | 869.475  | 1 | -0.89 | 4 | K | RLSVQZVWK+226.078VLDVAGTGTAAATGVGGIRK | K | H1AADA0MQ3AJAADA0MQ3_MOUSE | 166 | 72  | 3.97E-14 | 1.06E-06 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 43015 | HCD | 869.225  | 0 | 0.00  | 4 | K | RLSVQZVWK+226.078VLDVAGTGTAAATGVGGIRK | K | H1AADA0MQ3AJAADA0MQ3_MOUSE | 108 | 29  | 1.22E-10 | 3.24E-03 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 44501 | HCD | 1116.268 | 1 | 1.00  | 3 | K | RLSVQZVWK+226.078VLDVAGTGTAAATGVGGIRK | K | H1AADA0MQ3AJAADA0MQ3_MOUSE | 185 | 86  | 3.62E-13 | 9.60E-06 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 44524 | HCD | 837.202  | 0 | 0.51  | 4 | K | RLSVQZVWK+226.078VLDVAGTGTAAATGVGGIRK | K | H1AADA0MQ3AJAADA0MQ3_MOUSE | 156 | 81  | 3.56E-15 | 9.45E-08 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 45116 | HCD | 989.883  | 0 | -0.06 | 3 | K | NDQNVNVPSSISAAALVSLGK+226.078GK       | T | H1AADA0MQ3AJAADA0MQ3_MOUSE | 220 | 131 | 1.69E-14 | 4.39E-07 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 45186 | HCD | 742.663  | 0 | -0.49 | 4 | K | NDQNVNVPSSISAAALVSLGK+226.078GK       | T | H1AADA0MQ3AJAADA0MQ3_MOUSE | 142 | 104 | 7.83E-17 | 2.04E-09 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 45202 | HCD | 742.914  | 1 | -1.05 | 4 | K | NDQNVNVPSSISAAALVSLGK+226.078GK       | T | H1AADA0MQ3AJAADA0MQ3_MOUSE | 139 | 79  | 8.97E-14 | 2.33E-06 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 45385 | HCD | 989.884  | 0 | 0.99  | 3 | K | NDQNVNVPSSISAAALVSLGK+226.078GK       | T | H1AADA0MQ3AJAADA0MQ3_MOUSE | 192 | 137 | 9.99E-16 | 2.60E-08 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 45459 | HCD | 990.216  | 1 | -1.58 | 3 | K | NDQNVNVPSSISAAALVSLGK+226.078GK       | G | H1AADA0MQ3AJAADA0MQ3_MOUSE | 172 | 132 | 3.68E-17 | 9.56E-10 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 45527 | HCD | 847.477  | 0 | -0.22 | 3 | Q | DK+226.078NVNVPSSISAAALVSLGK          | G | H1AADA0MQ3AJAADA0MQ3_MOUSE | 160 | 104 | 1.92E-13 | 4.90E-06 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 45552 | HCD | 847.811  | 1 | -0.62 | 3 | Q | DK+226.078NVNVPSSISAAALVSLGK          | G | H1AADA0MQ3AJAADA0MQ3_MOUSE | 131 | 43  | 8.40E-11 | 2.15E-03 |
| Issac_4_1_NA4444_1100_198082_FIXED_irene.mtML | 46645 |     |          |   |       |   |   |                                       |   |                            |     |     |          |          |