**Table S1. Dysregulated proteins revealed by untargeted proteomics.**

|  |  |  |
| --- | --- | --- |
| Protein ID | Fold change (POD/No-POD) | *P* Value |
| sp|Q5BLP8|CD048\_HUMAN | 0.525188157 | 0.0129285 |
| sp|Q8TAG5|VTM2A\_HUMAN | 0.552590618 | 0.0380422 |
| sp|A6NLU5|VTM2B\_HUMAN | 0.558393256 | 0.0318223 |
| sp|Q8IUK5|PLDX1\_HUMAN | 0.561563349 | 0.0211786 |
| sp|P48058|GRIA4\_HUMAN | 0.573578535 | 0.0099322 |
| sp|P32004|L1CAM\_HUMAN | 0.579262871 | 0.0176409 |
| sp|Q06828|FMOD\_HUMAN | 0.62322109 | 0.030122 |
| sp|Q02487|DSC2\_HUMAN | 0.640778561 | 0.0175197 |
| sp|Q6MZW2|FSTL4\_HUMAN | 0.642185658 | 0.0308302 |
| sp|P07711|CATL1\_HUMAN | 0.657097266 | 0.0007754 |
| sp|P52799|EFNB2\_HUMAN | 0.669219528 | 0.0233388 |
| sp|Q6NW40|RGMB\_HUMAN | 0.670039775 | 0.0224965 |
| sp|O95967|FBLN4\_HUMAN | 0.68471393 | 0.0394013 |
| sp|Q8WZA1|PMGT1\_HUMAN | 0.692540684 | 0.0041811 |
| sp|Q24JP5|T132A\_HUMAN | 0.696427758 | 0.0191645 |
| sp|P23284|PPIB\_HUMAN | 0.704945059 | 0.0100657 |
| sp|Q9Y5Y7|LYVE1\_HUMAN | 0.706014726 | 0.0301129 |
| sp|O95502|NPTXR\_HUMAN | 0.716105332 | 0.0473163 |
| sp|P22105|TENX\_HUMAN | 0.719854431 | 0.0243064 |
| sp|P23470|PTPRG\_HUMAN | 0.720563434 | 0.0256475 |
| sp|Q6UXD5|SE6L2\_HUMAN | 0.721271666 | 0.0190466 |
| sp|Q7Z3B1|NEGR1\_HUMAN | 0.72304904 | 0.0281246 |
| sp|Q15904|VAS1\_HUMAN | 0.724069893 | 0.0118521 |
| sp|Q9Y4C0|NRX3A\_HUMAN | 0.727398094 | 0.0172686 |
| sp|Q14982|OPCM\_HUMAN | 0.730757688 | 0.026178 |
| sp|Q9UBQ6|EXTL2\_HUMAN | 0.731156853 | 0.0108952 |
| sp|Q9BY67|CADM1\_HUMAN | 0.731809747 | 0.0172612 |
| sp|O75144|ICOSL\_HUMAN | 0.733194642 | 0.0212364 |
| sp|Q9H3G5|CPVL\_HUMAN | 0.734279851 | 0.0209928 |
| sp|O43505|B4GA1\_HUMAN | 0.735134997 | 0.0117822 |
| sp|Q99574|NEUS\_HUMAN | 0.742096595 | 0.0455491 |
| sp|O75326|SEM7A\_HUMAN | 0.74334133 | 0.0411907 |
| sp|P49641|MA2A2\_HUMAN | 0.746036692 | 0.0228003 |
| sp|P12259|FA5\_HUMAN | 0.750377347 | 0.0074559 |
| sp|P33908|MA1A1\_HUMAN | 0.751074198 | 0.0365002 |
| sp|P36222|CH3L1\_HUMAN | 0.751932565 | 0.0193597 |
| sp|P07686|HEXB\_HUMAN | 0.752386382 | 0.0153197 |
| sp|P23471|PTPRZ\_HUMAN | 0.755306035 | 0.0146818 |
| sp|P43251|BTD\_HUMAN | 0.758254861 | 0.0024663 |
| sp|P05154|IPSP\_HUMAN | 0.764390003 | 0.0200905 |
| sp|Q13332|PTPRS\_HUMAN | 0.771624843 | 0.0180858 |
| sp|P26992|CNTFR\_HUMAN | 0.772774907 | 0.0398741 |
| sp|P19021|AMD\_HUMAN | 0.773400056 | 0.0311183 |
| sp|Q9P121|NTRI\_HUMAN | 0.777165712 | 0.0354655 |
| sp|P16870|CBPE\_HUMAN | 0.777413485 | 0.0394 |
| sp|Q14515|SPRL1\_HUMAN | 0.779929723 | 0.00805 |
| sp|P13521|SCG2\_HUMAN | 0.780583466 | 0.0402299 |
| sp|P20062|TCO2\_HUMAN | 0.780872973 | 0.0462374 |
| sp|Q9BTY2|FUCO2\_HUMAN | 0.791548673 | 0.034448 |
| sp|Q6UX73|CP089\_HUMAN | 0.79160734 | 0.0262792 |
| sp|P11021|BIP\_HUMAN | 0.792299978 | 0.0064205 |
| sp|Q96KN2|CNDP1\_HUMAN | 0.795796946 | 0.0360522 |
| sp|O00391|QSOX1\_HUMAN | 0.79957704 | 0.0093825 |
| sp|P49908|SEPP1\_HUMAN | 0.804159789 | 0.0233985 |
| sp|Q6UX71|PXDC2\_HUMAN | 0.815847872 | 0.0354194 |
| sp|P27797|CALR\_HUMAN | 0.820135986 | 0.0123648 |
| sp|Q12860|CNTN1\_HUMAN | 0.822361147 | 0.0326568 |
| sp|P41222|PTGDS\_HUMAN | 0.887585392 | 0.0351564 |
| sp|P01857|IGHG1\_HUMAN | 1.370887154 | 0.0415034 |
| sp|P00558|PGK1\_HUMAN | 2.034815028 | 0.0292314 |
| sp|P23528|COF1\_HUMAN | 2.543209896 | 0.0384416 |
| sp|P00915|CAH1\_HUMAN | 5.17676762 | 0.0409388 |
| sp|P02042|HBD\_HUMAN | 6.033869257 | 0.0277123 |