

**S3 Table****Uniformly detected proteins in 97 CSF samples of MS by targeted quantitative proteomics**

| <b>Protein</b>                                | <b>Peptide sequence</b>   | <b>Function</b>  |
|---|---|--|
| kallikrein-6                                  | AVIHPDYDAASHDQDIMLLR<br>ESSSEQSSVVR<br>KPNLQVFLGK<br>LSELIQPLPLER | serine protease, myelination,<br>axon outgrowth                                      |
| haptoglobin                                   | DIAPTLTLYVGK<br>LRTEGDGVYTLNNEK<br>VTSIQDWVQK<br>YVMLPVADQDQCIR   | antibacterial, antioxidant,<br>acute phase response                                  |
| TIMP-1  | EPGLCTWQSLR<br>GFQALGDAADIR                                       | metalloproteinase inhibitor<br>OPC differentiation                                   |
| apolipoprotein C-II                           | ESLSSYWESAK<br>TAAQNLYEK<br>TYLPAVDEK                             | lipoprotein metabolism:<br>VLDL, chylomicron<br>activates lipoprotein lipase         |
| heparin cofactor 2                            | TLEAQLTPR   | thrombin inhibitor;<br>chemotactic for monocytes                                     |
| gelsolin                                      | AVEVLPK<br>DSQEEKTEALTSK<br>EVQGFESATFLGYFK<br>QTQVSVLPEGGETPLFK  | calcium-regulated actin-<br>modulating protein                                       |
| tyrosine-protein kinase<br>receptor UFO (Ax1) | APLQGTLLGYR<br>TATITVLPQQPR                                       | binding growth factor<br>GAS6: anti-apoptotic<br>CML oncogene, cell<br>proliferation |
| lysozyme C                                    | WESGYNTR  | enhance the activity of<br>immunoagents, bacteriolytic                               |
| beta-2-microglobulin                          | VEHSDLSFSK<br>VNHVTLSPK   | MHC I  |
| contactin-2                                   | FAQLNLAAEDTR  | organization of axonal   |

OPC: oligodendrocyte precursor cell; VLDL: very low-density lipoprotein; CML: chronic myeloid leukemia; GAS6: Growth Arrest Specific 6