

**Supplementary Table 1** – Association between cerebrospinal fluid cytokines and serum haptoglobin levels by haptoglobin phenotype

<b>Cytokines (pg/mL)</b>	<b>Hp 1-1 (95% CI)</b>	<b>P value</b>	<b>Hp 2-1 (95% CI)</b>	<b>P value</b>	<b>Hp 2-2 (95% CI)</b>	<b>P value</b>
IFN-gamma	11.591 (-1.965 – 25.148)	0.088	1.862 (-2.012 – 5.736)	0.336	-4.396 (-15.360 – 6.569)	0.415
IL-1beta	1.413 (-0.136 – 2.961)	0.071	<b>0.815</b> <b>(0.300 – 1.329)</b>	<b>0.003</b>	-0.312 (-1.405 – 0.782)	0.561
IL-10	1.271 (-0.131 – 2.672)	0.073	<b>0.548</b> <b>(0.155 – 0.941)</b>	<b>0.008</b>	-3.956 (-10.815 – 2.903)	0.245
IL-12p70	<b>9.796</b> <b>(0.266 – 19.326)</b>	<b>0.045</b>	<b>2.588</b> <b>(0.717 – 4.460)</b>	<b>0.008</b>	0.278 (-6.448 – 7.005)	0.933
IL-13	9.833 (-6.088 – 25.753)	0.208	<b>9.352</b> <b>(4.326 – 14.378)</b>	<b>0.001</b>	-8.209 (-17.853 – 1.436)	0.092
IL-2	1.214 (-0.373 – 2.801)	0.124	<b>0.560</b> <b>(0.163 – 0.957)</b>	<b>0.007</b>	-0.585 (-1.556 – 0.386)	0.225
IL-4	<b>8.570</b> <b>(0.013 – 17.128)</b>	<b>0.050</b>	<b>2.328</b> <b>(1.049 – 3.606)</b>	<b>0.001</b>	-0.105 (-5.793 – 5.584)	0.970
IL-6	<b>3057.935</b> <b>(71.648 – 6044.221)</b>	<b>0.045</b>	<b>666.453</b> <b>(102.085 – 1230.820)</b>	<b>0.022</b>	69.399 (-1917.844 – 2056.643)	0.943
IL-8	408.761 (-407 – 1224.612)	0.302	<b>492.841</b> <b>(17.816 – 967.866)</b>	<b>0.042</b>	-82.987 (-852.504 – 686.530)	0.825
TNF-alpha	2.023 (-1.123 – 5.170)	0.191	<b>1.516</b> <b>(0.329 – 2.703)</b>	<b>0.014</b>	<b>-2.707</b> <b>(-5.261 – -0.153)</b>	<b>0.039</b>
Principal Component 1	<b>1.850</b> <b>(0.119 – 3.581)</b>	<b>0.038</b>	<b>0.809</b> <b>(0.353 – 1.264)</b>	<b>0.001</b>	-0.578 (-1.631 – 0.475)	0.268
Principal Component 2	-0.482 (-1.534 – 0.570)	0.344	0.220 (-0.060 – 0.501)	0.120	-0.412 (-1.218 – 0.393)	0.301
Principal Component 3	-0.078 (-0.249 – 0.094)	0.350	-0.038 (-0.101 – 0.025)	0.227	-0.248 (-1.099 – 0.604)	0.553