

Supplementary Material

Expression of Transcription Factors in CD4+ T Cells as Potential Biomarkers of Motor Complications in Parkinson's Disease

Supplementary Table 1. Comparison of CD4+ T lymphocytes transcription factors mRNA levels between patients with and without motor complications and healthy controls

Genes ($2^{-\Delta Ct}$)	PMC (N=20)	WMC (N=20)	HC (N=40)	<i>p</i> PMC vs WMC	<i>p</i> PD vs HC
TBX21	3.9E-007 (2.7E-007-5.17E-007)	4.1E-007 (3.2E-007-5.5E-007)	2.4E-006 (7.3E-007-1.2E-005)	0.465	<0.001
STAT1	1.0E-004 (6.4E-005-1.1E-004)	2.1E-004 (9.5E-004-2.6E-004)	6.5E-005 (5.5E-005-1.5E-004)	0.004	0.005
STAT3	1.3E-004 (9E-005-3.9E-004)	3.3E-004 (1.4E-004-3.9E-004)	5E-004 (2E-004-7E-004)	0.304	0.001
STAT4	1.5E-005 (1.1E-005-3.4E-005)	1.7E-005 (1.3E-005-4.5E-005)	4.7E-005 (1.8E-005-1.5E-004)	0.130	<0.001
RORC	1.9E-007 (1.3E-007-2.7E-007)	2.1E-007 (1.4E-007-2.6E-007)	1.6E-007 (9.1E-008-3E-007)	0.607	0.635
GATA3	1.1E-004 (6.2E-005-2E-004)	6.2E-005 (4.7E-005-1.4E-004)	5.7E-005 (3.1E-005-6.8E-005)	0.07	<0.001
STAT6	8.1E-006 (1.1E-006-1.2E-005)	9.7E-007 (8.8E-007-7.7E-006)	2E-006 (4.7E-007-3.8E-006)	0.04	0.046
FOXP3	4.6E-005 (2.8E-005-1E-004)	5.4E-005 (3.5E-005-9.4E-005)	4.5E-006 (1.8E-006-6E-005)	0.665	<0.001
NR4A2	2.9E-005 (2.1E-005-7.6E-005)	1.1E-004 (4.6E-005-1.2E-004)	1.2E-004 (8.4E-005-1.5E-004)	0.003	<0.001

CD4+ T lymphocytes transcription factors mRNA levels are expressed as $2^{-\Delta Ct}$. Data are shown as medians (25°-75° percentiles). Significant p values are in italics. PMC, patients with motor complications; WMC, patients without motor complications; HC, healthy controls