

Supplementary Table 5. Changes in T cytotoxic phenotypes in patients and the control group.

Phenotype		Controls <sup>c</sup>	PD-0yr <sup>c</sup>	PD-1yr <sup>c</sup>	PD-2yr <sup>c</sup>	PD-0yr vs PD-1yr P-value	PD-0yr vs PD-2yr P-value	PD-1yr vs PD-2yr P-value
Tc1	CD8 <sup>+</sup> TBET <sup>+</sup>	55.53[46.88-72.16]	65.31[52.84-73.80] <i>P</i> =0.200	62.90[55.44-73.38] <i>P</i> =0.176	71.68[52.95-79.35] <i>P</i> =0.156	0.973	0.432	0.769
	CD8 <sup>+</sup> TBET <sup>+</sup> IFN- $\gamma$ <sup>+</sup>	0.41[0.23-0.74]	0.40[0.25-0.74] <i>P</i> =0.102	0.21[0.07-0.36] <i>P</i> =0.802	0.11[0.07-0.14] <i>P</i> =0.024*	0.374	0.004**	0.009*
	CD8 <sup>+</sup> TBET <sup>+</sup> TNF- $\alpha$ <sup>+</sup>	0.51[0.22-1.019]	0.50[0.36-0.85] <i>P</i> =0.801	0.31[0.18-0.87] <i>P</i> =0.375	0.29[0.17-0.39] <i>P</i> =0.034*	0.926	0.064	0.064
Tc2	CD8 <sup>+</sup> GATA3 <sup>+</sup>	4.39[3.69-7.07]	3.08[2.32-5.12] <i>P</i> =0.937	2.73[1.39-4.42] <i>P</i> =0.198	2.26[1.52-3.74] <i>P</i> =0.206	0.036*	0.039*	0.064
	CD8 <sup>+</sup> GATA3 <sup>+</sup> IL-13 <sup>+</sup>	0.30[0.11-0.48]	0.30[0.15-0.61] <i>P</i> =0.937	0.21[0.09-0.31] <i>P</i> =0.198	0.15[0.05-0.18] <i>P</i> =0.206	0.007*	0.027*	0.436
	CD8 <sup>+</sup> GATA3 <sup>+</sup> IL-4 <sup>+</sup>	0.20[0.09-0.58]	0.10[0.07-0.37] <i>P</i> =0.102	0.25[0.07-0.61] <i>P</i> =0.779	0.12[0.08-0.59] <i>P</i> =0.245	0.522	0.164	0.160
Tc17	CD8 <sup>+</sup> ROR- $\gamma$ <sup>+</sup>	29.81[24.26-38.73]	17.69[9.33-56.01] <i>P</i> =0.119	24.68[4.68-35.46] <i>P</i> =0.568	51.05[18.54-81.02] <i>P</i> =0.082	0.522	0.375	0.039*
	CD8 <sup>+</sup> ROR- $\gamma$ <sup>+</sup> IL-17 <sup>+</sup>	0.05[0.02-0.14]	0.07[0.03-0.16] <i>P</i> =0.427	0.03[0.01-0.04] <i>P</i> =0.009*	0.06[0.4-0.09] <i>P</i> =0.856	0.001**	0.078	0.250

<sup>c</sup> Data are reported as median and interquartile range [IQR]. Differences between patients and controls are shown below the median for each group. Differences between patients and themselves during the follow-up are shown in the tree last columns. PD-0yr (untreated Parkinson's disease patients), PD-1yr (patients treated for one year), PD-2yr (patients treated for two years). (\*) indicate significant differences between patient groups or between a patient group and the control group. *P* < 0.05 (\*); *P* < 0.005 (\*\*); *P* < 0.0005 (\*\*\*) .