

## PD-1 mRNA expression in peripheral blood cells and its modulation characteristics in cancer patients

### SUPPLEMENTARY TABLES

**Supplementary Table 1: Gene expression levels in peripheral blood of normal adults**

NO.	Relative gene expression						
	[Absolute quantitative (target gene/housekeeping gene)]						
	CD25	CD28	CTLA-4	PD-1	Foxp3	TGF- $\beta$	IL-10
#1	3.14E-04	6.69E-04	9.82E-04	6.03E-04	2.31E-02	7.08E-02	6.98E-02
#2	4.96E-04	6.90E-04	1.19E-03	9.86E-04	8.98E-03	6.60E-02	6.17E-02
#3	2.78E-04	6.12E-04	6.94E-04	3.45E-04	1.49E-03	7.83E-02	1.05E-01
#4	3.94E-04	5.72E-04	1.26E-03	4.31E-04	1.10E-03	8.72E-02	7.67E-02
#5	5.51E-04	5.82E-04	1.01E-03	2.59E-04	1.02E-03	7.51E-02	5.71E-02
#6	2.42E-04	5.59E-04	8.57E-04	2.02E-04	9.19E-04	1.07E-01	9.55E-02
#7	3.32E-03	2.02E-03	2.76E-03	1.26E-03	3.65E-03	9.78E-02	8.21E-02
#8	1.03E-03	8.00E-04	1.72E-03	3.08E-04	2.88E-03	6.74E-02	7.97E-02
#9	2.84E-03	7.86E-04	1.66E-03	3.04E-04	2.64E-03	6.24E-02	8.03E-02
#10	1.41E-04	2.64E-04	4.69E-04	5.99E-04	1.51E-03	6.03E-02	7.32E-02

**Supplementary Table 2: Gene expression levels in peripheral blood of malignant patients**

See Supplementary File 1

**Supplementary Table 3: The proportion of T, NK, B, Treg, CD3<sup>+</sup>CD8<sup>+</sup>CD28<sup>+</sup> and CD3<sup>+</sup>CD8<sup>+</sup>CD28<sup>-</sup> subpopulations in peripheral blood of malignant patients**

[T cells: CD3<sup>+</sup>CD19<sup>-</sup>; B cells: CD3<sup>+</sup>CD19<sup>+</sup>; NK cells: CD3<sup>+</sup>CD16<sup>+</sup>56<sup>+</sup>; Treg cells: CD4<sup>+</sup>CD25<sup>+</sup>CD127<sup>low</sup>; suppressor T cells (Ts): CD3<sup>+</sup>CD8<sup>+</sup>CD28<sup>-</sup>; cytotoxic T cells (CTL): CD3<sup>+</sup>CD8<sup>+</sup>CD28<sup>+</sup>.]

See Supplementary File 1