

Supplementary Table 1. The correlation of five S1PRs expression levels with the therapeutic efficacy of Nivolumab.

Gene ID	Gene symbol	GSE67501 (RCC)		GSE79691 (Melanoma)	
		P-Value	LogFC	P-Value	LogFC
ILMN_3235853	S1PR1	0.2994807	-0.563475	0.4541327	-0.1419333
ILMN_1812452	S1PR2	0.1934185	0.5772429	0.2967625	-0.5195667
ILMN_1703531	S1PR3	0.0091296	-1.103475	0.018587	-0.8018833
ILMN_1784737	S1PR4	0.4794285	-0.2156071	0.0671285	0.3047167
ILMN_2073184	S1PR5	0.6123719	0.21315	0.5299238	-0.1981333

*Response vs Progression; Response: complete response, partial response, stable disease