

	Gene	Correlation coefficient	One-sided significance
MHC I	HLA-A	<b>0.129</b>	<b>1.9E-05</b>
	HLA-B	<b>0.119</b>	<b>7.1E-05</b>
	HLA-C	0.052	0.047
	HLA-H	0.113	1.5E-04
MHC II	HLA-J	-0.111	1.9E-04
	HLA-DRA	0.092	0.0015
	HLA-DQA1	0.092	0.0016
	HLA-E	0.087	0.0025
	HLA-DOB	0.087	0.0026
	HLA-F	0.085	0.0033
	HLA-DMA	0.078	0.0063
	HLA-DQA2	0.078	0.0064
	HLA-DMB	0.074	0.0088
	HLA-DQB1	0.073	0.0093
	HLA-DRB1	0.073	0.0100
	HLA-DPB2	0.072	0.011
	HLA-L	0.071	0.011
	HLA-G	0.061	0.025
	HLA-DRB6	0.057	0.034
	HLA-DRB5	0.052	0.047
	HLA-DPA1	0.046	0.069
	HLA-DPB1	0.030	0.169
	HLA-DQB2	0.028	0.183
HLA-DOA	-0.006	0.429	

Supplementary Figure 1