

Gene Name	Forward primer	Reverse primer	Probe*
<i>HLA-DQA1*01</i>	GAAGGAGACTGCCTGGCG	CATGATGTTCAAGTTGTGTTTTGC	CCTGCGGGTCAAAACCTCCAAATTTG
<i>HRM: HLA-DQA1*01</i>	TATGAGGTTAGGAGTTTAAGATTAG	AAAATCCCCTATAATAACATCTCAATTAC	
<i>HLA-DQB1*06</i>	CTTCGTCTCAGTTATGTCTTGGAAG	GAGTCTCTGCCCTCAGCCTGTA	CTTCGGGTAGCAACTGTCACCTTGATGCT
<i>TINA</i>	CCTGAGAGCTGTCTGGATGT	CACTGTGCTCACAGAGTACC	AGCCTGGCACTCCCAGGTGGT
<i>PPIA</i>	Assay id: Hs04194521_s1	Cat. # 4331182	Supplier: Thermo Fisher Scientific
<i>PARTICLE</i>	Assay id: Hs03847241_s1	Cat. # 4426961	Supplier: Thermo Fisher Scientific

Table S1: Sequences of primers and probes (5’ – 3’) used in this study. Reporter and quenchers were 5’FAM – 3’TAMRA respectively for probes except for listed assays which were 5’FAM – 3’NFQ - MGB.