

Supplemental Table S5. Eight-digit *HLA* allele types used for nine *HLA* genes as reference for comparison with TELL-seq phasing results.

HLA ID_Gene_Parental Origin	AlleleName
HLA00001_HLA-A_Paternal	A*01:01:01:01
HLA00043_HLA-A_Maternal	A*11:01:01:01
HLA00146_HLA-B_Paternal	B*08:01:01:01
HLA00376_HLA-B_Maternal	B*56:01:01:01
HLA00401_HLA-C_Maternal	C*01:02:01:01
HLA00433_HLA-C_Paternal	C*07:01:01:01
HLA00662_HLA-DRA_Maternal	DRA*01:01:01:01
HLA01593_HLA-DRA_Paternal	DRA*01:02:02:01
HLA00499_HLA-DPA1_Paternal	DPA1*01:03:01:01
HLA00504_HLA-DPA1_Maternal	DPA1*02:01:01:01
HLA00521_HLA-DPB1_Paternal	DPB1*04:01:01:01
HLA00531_HLA-DPB1_Maternal	DPB1*14:01:01:01
HLA00601_HLA-DQA1_Maternal	DQA1*01:01:01:01
HLA00613_HLA-DQA1_Paternal	DQA1*05:01:01:01
HLA00622_HLA-DQB1_Paternal	DQB1*02:01:01:01
HLA00638_HLA-DQB1_Maternal	DQB1*05:01:01:01
HLA00664_HLA-DRB1_Maternal	DRB1*01:01:01:01
HLA00671_HLA-DRB1_Paternal	DRB1*03:01:01:01