

Table S1 HLA-I alleles and lengths selected for prediction

Alleles	Length	Alleles	Length	Alleles	Length
HLA-A*01:01	All lengths	HLA-B*15:02	All lengths	HLA-B*52:01	All lengths
HLA-A*02:01	All lengths	HLA-B*15:25	All lengths	HLA-B*58:01	All lengths
HLA-A*02:06	All lengths	HLA-B*35:01	All lengths	HLA-B*58:02	All lengths
HLA-A*11:01	All lengths	HLA-B*35:03	All lengths	HLA-C*01:02	All lengths
HLA-A*24:02	All lengths	HLA-B*38:01	All lengths	HLA-C*03:02	All lengths
HLA-A*26:01	All lengths	HLA-B*40:01	All lengths	HLA-C*03:04	All lengths
HLA-A*30:01	All lengths	HLA-B*40:02	All lengths	HLA-C*04:01	All lengths
HLA-A*30:02	All lengths	HLA-B*44:02	All lengths	HLA-C*04:03	All lengths
HLA-A*33:03	All lengths	HLA-B*44:03	All lengths	HLA-C*06:02	All lengths
HLA-B*13:01	All lengths	HLA-B*46:01	All lengths	HLA-C*07:02	All lengths
HLA-B*13:02	All lengths	HLA-B*51:01	All lengths	HLA-C*08:01	All lengths
HLA-B*15:01	All lengths				

Table S2 HLA-II alleles and lengths selected for prediction

Alleles	Length	Alleles	Length
HLA-DRB1*01:01	12-18	HLA-DQA1*05:01/DQB1*02:01	12-18
HLA-DRB1*03:01	12-18	HLA-DQA1*05:01/DQB1*03:01	12-18
HLA-DRB1*04:01	12-18	HLA-DQA1*03:01/DQB1*03:02	12-18
HLA-DRB1*04:05	12-18	HLA-DQA1*04:01/DQB1*04:02	12-18
HLA-DRB1*07:01	12-18	HLA-DQA1*01:01/DQB1*05:01	12-18
HLA-DRB1*08:02	12-18	HLA-DQA1*01:02/DQB1*06:02	12-18
HLA-DRB1*09:01	12-18	HLA-DPA1*02:01/DPB1*01:01	12-18
HLA-DRB1*11:01	12-18	HLA-DPA1*01:03/DPB1*02:01	12-18
HLA-DRB1*12:01	12-18	HLA-DPA1*01:03/DPB1*04:01	12-18
HLA-DRB1*13:02	12-18	HLA-DPA1*03:01/DPB1*04:02	12-18
HLA-DRB1*15:01	12-18	HLA-DPA1*02:01/DPB1*05:01	12-18
HLA-DRB3*01:01	12-18	HLA-DPA1*02:01/DPB1*14:01	12-18
HLA-DRB3*02:02	12-18		
HLA-DRB4*01:01	12-18		
HLA-DRB5*01:01	12-18		