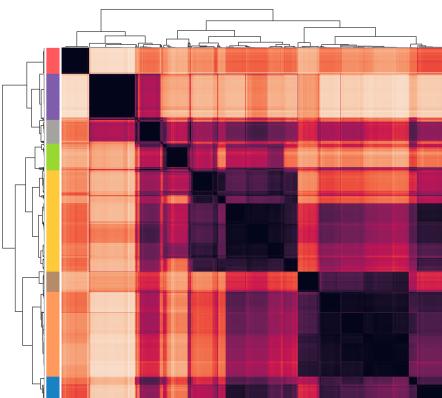
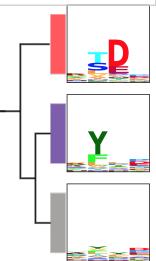
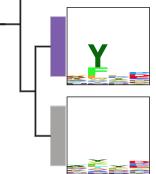
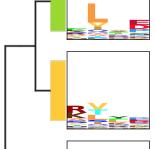
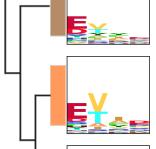
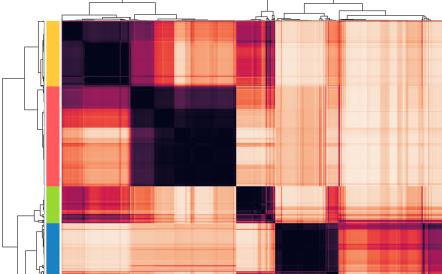
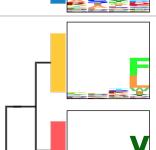
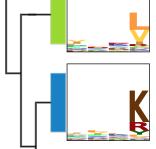


Hyper-Motif Clustering	Hyper-Motifs	Allele Signatures	# of Alleles	Major HLA Groups
N-side				
	  P	 P	60	A01
	  S	 S	106	A23 A24
	  F	 F	55	A29
	  F	 F	61	A02
	  B	 B	233	A03 A30 A31 A32 A74
	  E	 E	47	A33
	  E	 E	195	A25 A26 A66 A68
	  Y	 Y	76	A11
C-side				
	  F	 F	151	A23 A24 A32
	  S	 S	230	A01 A25 A26 A29
	  F	 F	85	A02
	  K	 K	138	A03 A11 A30
	  R	 R	229	A31 A33 A66 A68 A74