

**Table S6.** The location, BF of shared hotspot, posterior and prior probabilities of hotspot, and recombination rate for the locations within HLA region with BF of shared hotspot for Beni and chimpanzee that is  $\geq 100$ . Note that the bin size was set to be 200 bp in the analysis.

Location	BF of shared hotspot	Posterior prob.		Prior prob.		$\rho$ per kb	
		Beni	Chimp	Beni	Chimp	Beni	Chimp
32806970	143.693	0.485	0.146	0.022	0.024	13405.120	6546.155
32807170	148.140	0.449	0.163	0.023	0.024	13494.462	7360.673