

**Table S4 Genomic coordinates (hg19) of sites with poorly estimated frequency in 1000G in each HLA locus.** Those sites have difference larger than 0.1 in the frequency estimated by 1000G relative to PAG2014 in 2 or more populations.

Gene	<i>HLA-A</i>	<i>HLA-B</i>	<i>HLA-C</i>	<i>HLA-DQB1</i>	<i>HLA-DRB1</i>
Number of sites	14/66	32/64	9/44	24/42	22/35
hg19 coordinates	29910558	31324711	31239050	32632795	32552147
	29910700	31324705	31238983	32632782	32552112
	29910717	31324702	31238957	32632770	32552091
	29910719	31324664	31238942	32632749	32552029
	29910759	31324603	31238930	32632703	32551999
	29911056	31324586	31238851	32632700	32551998
	29911115	31324549	31239060	32632688	32551995
	29911119	31324547	31239006	32632687	32551970
	29911228	31324536	31238992	32632660	32551935
	29911239	31324528		32632659	32551912
	29911240	31324526		32632638	32551899
	29910688	31324525		32632637	32552092
	29911296	31324516		32632635	32552087
	29911306	31324506		32632628	32552075
		31324491		32632627	32552048
		31324489		32632608	32552039
		31324210		32632605	32552017
		31324208		32632601	32552016
		31324194		32632599	32551939
		31324184		32632589	32551938
		31324176		32632581	32551928
		31324100		32632578	32551905
		31324086		32632598	
		31324077		32632587	
		31324036			
		31324024			
		31324004			
		31323960			
		31323958			
		31323953			
		31324154			
		31324104			