

388 **Supplementary tables**

Allele	$p$	$n$	$p_{mid}$	AA	AB	BB	$p_{mid}$
—		97	0.0285				
A11	0.201	63	0.0108	5	29	63	0.4357
A12	0.005	96	0.0284	0	1	96	0.5000
A14	0.010	95	0.0195	0	2	95	0.5026
A15	0.309	49	0.1216	12	36	49	0.1950
A16	0.227	55	0.0097	2	40	55	0.1141
A17	0.222	64	<b>0.3601</b>	10	23	64	<b>0.0042</b>
A18	0.021	93	0.0372	0	4	93	0.5155
A19	0.005	96	0.0268	0	1	96	0.5000

Table S1: Allele frequency ( $p$ ), sample size ( $n$  individuals) and mid  $p$ -value of tests for HWP after deletion of an allele (first four columns) and after bi-allelification (last four columns: genotype counts and mid  $p$ -value) of the STR D22S1045 of the Asian sample.

Allele	African American				Asian				Caucasian				Hispanic			
	AA	AB	BB	$p_{mid}$	AA	AB	BB	$p_{mid}$	AA	AB	BB	$p_{mid}$	AA	AB	BB	$p_{mid}$
A8	0	5	337	0.5073	—	—	—	—	—	—	—	—	—	—	—	—
A10	1	26	315	0.2692	—	—	—	—	—	—	—	—	0	7	229	0.5221
A11	6	87	249	0.7454	5	29	63	0.4357	7	87	267	0.9135	1	28	207	0.8036
A12	3	31	308	0.0385	0	1	96	0.5000	0	9	352	0.5246	0	6	230	0.5158
A13	0	2	340	0.5007	—	—	—	—	0	5	356	0.5069	0	4	232	0.5064
A14	1	51	290	0.5735	0	2	95	0.5026	0	41	320	0.4668	2	9	225	0.0047
A15	23	126	193	0.6167	12	36	49	0.1950	36	160	165	0.7636	39	123	74	0.3198
A16	20	91	231	<b>0.0108</b>	2	40	55	0.1141	44	188	129	<b>0.0515</b>	20	125	91	<b>0.0123</b>
A17	13	117	212	0.5688	10	23	64	<b>0.0042</b>	2	50	309	0.8538	1	41	194	0.5605
A18	0	10	332	0.5323	0	4	93	0.5155	0	4	357	0.5042	0	3	233	0.5032
A19	0	4	338	0.5044	0	1	96	0.5000	—	—	—	—	—	—	—	—

Table S2: Bi-allelic exact tests results (exact mid  $p$ -values) for HWP for bi-allelified versions of D22S1045 for four ethnicities.