Supplemental Table 1. INNUL Markers redesigned using Mini-Primer strategy

Selected Marker	Type	Mamedov et al.[1] Amplicon Sizes		Mini-Primer Amplicon Sizes	
		Insertion	Null	Insertion	Null
Ya5-MLS48	*Alu*	212	541	87	81
Yb8AC1141	*Alu*	549	219	66	61
Ya5-MLS18	*Alu*	309	631	79	76
TARBP1R	*Alu*	229	540	63	57
HS4.69R	*Alu*	197	551	114	107

1. Mamedov et al [15]

Supplementary Table 1. Linkage Disequilibrium[1,2] (*p-values*) between INNUL pairs in three North American populations

Locus Combination	Caucasian[5]	African American[5]	Southwestern Hispanic[5]
CH14-50--6236/CH4-12-7012	0.6363	*0.0303* [3,4]	0.6647
CH14-50--6236/CH6-28-9163	0.1594	*0.0472* [3,4]	0.0931
CH14-50--6236/LC3-2601	1.0000	*0.0131* [3,4]	0.1656
CH14-50--6236/TARBP1	0.4625	0.0759	0.4959
CH14-50--6236/Ya5NBC51	0.0950	0.0853	0.3847
CH14-50--6236/Yac52265	0.9609	*0.0100* [3,4]	0.6731
CH14-50--6236/Yb7AD155	0.3275	0.1413	0.5453
CH14-50--6236/Yb8NBC10	0.6944	0.2384	0.6125
CH4-12-7012/CH6-28-9163	0.6534	0.8856	0.8572
CH4-12-7012/LC3-2601	1.0000	0.2113	0.0984
CH4-12-7012/TARBP1	0.5784	0.5688	0.7103
CH4-12-7012/Ya5NBC51	0.1900	0.2450	0.4950
CH4-12-7012/Yac52265	0.7172	0.1288	0.6772
CH4-12-7012/Yb7AD155	0.8559	0.2550	0.2672
CH4-12-7012/Yb8NBC10	0.2919	0.8050	0.9709
CH6-28-9163/LC3-2601	0.8153	0.6769	0.8481
CH6-28-9163/TARBP1	0.5206	0.8759	0.6847
CH6-28-9163/Ya5NBC51	0.4825	0.3147	0.2213
CH6-28-9163/Yac52265	0.8772	0.5372	0.9697
CH6-28-9163/Yb7AD155	0.7444	0.5247	0.6684
CH6-28-9163/Yb8NBC10	0.7747	0.9234	0.9591
LC3-2601/TARBP1	0.5959	0.2166	0.9319
LC3-2601/Ya5NBC51	0.1709	0.2363	0.5828
LC3-2601/Yac52265	0.1891	0.3603	0.9150
LC3-2601/Yb7AD155	0.1769	0.2791	0.2344
LC3-2601/Yb8NBC10	0.2034	0.9531	0.4244
TARBP1/Ya5NBC51	0.1444	0.2209	0.6663
TARBP1/Yac52265	0.7875	0.3231	0.7588
TARBP1/Yb7AD155	0.7216	0.6909	0.4228
TARBP1/Yb8NBC10	0.4416	0.5563	0.1134
Ya5NBC51/Yac52265	0.0922	0.0750	0.6372
Ya5NBC51/Yb7AD155	0.4334	0.8209	0.2978
Ya5NBC51/Yb8NBC10	*0.0306* [3]	0.1081	0.9738
Yac52265/Yb7AD155	0.3194	0.3609	0.4703
Yac52265/Yb8NBC10	0.4391	0.8356	0.8831
Yb7AD155/Yb8NBC10	0.4756	0.6919	0.4278

1. As determined by Fisher's exact test

2. α-level of 0.05 is adjusted from 0.05 to 0.001111 when corrected for multiple tests (Bonferroni's correction) [33]

3. *p-value* < 0.05

4. pair contains a locus that displayed detectable departures from Hardy-Weinberg expectations

5. African American *(n=93)* , Caucasian *(n=93)* , and Southwestern Hispanic *(n=93)*