

Supplementary Table 2. Differences in RAF among populations using European

A) Evidence from the 102 SNPs for which the European RAF is available at the Catalog

Disease/ Trait	SNP	Average RAF			Test of differences in F	
		Europe Roma	Europe Non-Roma	India	Δ_{R_E}	Δ_{R_I}
Coronary Artery Dis.	30	0.565	0.549	0.546	0.016 (<i>P</i> =0.25)	0.019 (<i>P</i> =0.45)
Type 2 Diabetes	12	0.415	0.377	0.43	0.038 (<i>P</i> =0.11)	-0.015 (<i>P</i> =0.79)
Trigly- cerides	14	0.386	0.353	0.353	0.033 (<i>P</i> =0.13)	0.033 (<i>P</i> =0.31)
Insulin response	5	0.698	0.66	0.784	0.038 (<i>P</i> =0.20)	-0.086 (<i>P</i> =0.97)
Obesity	41	0.532	0.54	0.506	-0.008 (<i>P</i> =0.81)	0.026 (<i>P</i> =0.33)
All combined	102	0.516	0.504	0.501	0.012 (<i>P</i> =0.22)	0.015 (<i>P</i> =0.57)

B) Evidence for the same 102 SNPs above but using the European RAF from HapMap CE

Disease/ Trait	SNP	Average RAF			Test of differences in F	
		Europe Roma	Europe Non-Roma	India	Δ_{R_E}	Δ_{R_I}
Coronary Artery Dis.	30	0.565	0.545	0.546	0.02 (<i>P</i> =0.19)	0.019 (<i>P</i> =0.44)
Type 2 Diabetes	12	0.415	0.379	0.43	0.036 (<i>P</i> =0.13)	-0.015 (<i>P</i> =0.78)
Trigly- cerides	14	0.386	0.351	0.353	0.035 (<i>P</i> =0.11)	0.033 (<i>P</i> =0.30)
Insulin response	5	0.698	0.633	0.784	0.065 (<i>P</i> =0.08)	-0.086 (<i>P</i> =0.97)
Obesity	41	0.532	0.544	0.506	-0.012 (<i>P</i> =0.87)	0.026 (<i>P</i> =0.34)
All combined	102	0.516	0.503	0.501	0.013 (<i>P</i> =0.19)	0.015 (<i>P</i> =0.56)

ean RAF from the GWAS Catalog

RAF
Δ_{I_E}
-0.003 (<i>P</i> =0.39)
0.053 (<i>P</i> =0.07)
0 (<i>P</i> =0.42)
0.124 (<i>P</i> =0.02)
-0.034 (<i>P</i> =0.79)
-0.002 (<i>P</i> =0.26)

EU

RAF
Δ_{I_E}
0.001 (<i>P</i> =0.33)
0.051 (<i>P</i> =0.08)
0.002 (<i>P</i> =0.39)
0.151 (<i>P</i> =0.01)
-0.038 (<i>P</i> =0.82)
-0.001 (<i>P</i> =0.24)