

**Supplementary Table 2 HOMA-IR and HOMA-B Associations in African Americans**

**Fasting Glucose Loci**

Nearest gene(s)	Index SNP in EuA <sup>b</sup>	Chr.	Position	HOMA-B in EuA <sup>a</sup>				HOMA-B in AfA <sup>a</sup>			P-value
				Alleles <sup>c</sup>	EAF <sup>d</sup>	Effect	95% C.I.	EAF <sup>d</sup>	Effect	95% C.I.	
<i>PROX1</i>	rs340874	1	212225879	C/T	0.52	-0.008	-0.014--0.002	0.170	-0.036	-0.065--0.008	1.27x10 <sup>-2</sup>
<i>G6PC2</i>	rs560887	2	169471394	C/T	0.7	-0.042	-0.050--0.034	0.943	-0.068	-0.114--0.022	<b>3.88x10<sup>-3</sup></b>
<i>GCKR</i>	rs780094	2	27594741	C/T	0.62	0.014	0.008-0.020	0.817	0.011	-0.016-0.037	4.43x10 <sup>-1</sup>
<i>ADCY5</i>	rs11708067	3	124548468	A/G	0.78	-0.023	-0.031--0.015	0.844	-0.045	-0.073--0.016	2.25x10 <sup>-3</sup>
<i>SLC2A2</i>	rs11920090	3	172200215	T/A	0.87	-0.012	-0.022--0.002	0.646	-0.003	-0.025-0.018	7.65x10 <sup>-1</sup>
<i>GCK</i>	rs4607517	7	44202193	A/G	0.16	-0.025	-0.035--0.015	0.101	-0.087	-0.126--0.049	<b>9.55x10<sup>-6</sup></b>
<i>DGKB/TMEM195</i>	rs2191349	7	15030834	T/G	0.52	-0.017	-0.023--0.011	0.593	-0.052	-0.074--0.030	<b>2.99x10<sup>-6</sup></b>
<i>SLC30A8</i>	rs13266634	8	118253964	C/T	0.68	-0.016	-0.024--0.008	0.908	-0.010	-0.048-0.028	5.92x10 <sup>-1</sup>
<i>GLIS3</i>	rs7034200	9	4279050	A/C	0.49	-0.020	-0.028--0.012	0.631	-0.011	-0.033-0.010	3.01x10 <sup>-1</sup>
<i>ADRA2A</i>	rs10885122	10	113032083	G/T	0.87	-0.010	-0.020-0.000	0.334	0.006	-0.017-0.029	6.04x10 <sup>-1</sup>
<i>TCF7L2</i>	rs7903146	10	114748339	T/C	0.29	-0.020	-0.028--0.012	0.283	-0.033	-0.058--0.008	<b>1.02x10<sup>-2</sup></b>
<i>MTNR1B</i>	rs10830963	11	92348358	G/C	0.3	-0.034	-0.042--0.026	0.074	-0.062	-0.102--0.022	<b>2.39x10<sup>-3</sup></b>
<i>MADD</i>	rs7944584	11	47292896	A/T	0.75	-0.007	-0.015-0.001	0.950	-0.001	-0.048-0.047	9.84x10 <sup>-1</sup>
<i>FADS1</i>	rs174550	11	61328054	T/C	0.64	-0.020	-0.026--0.014	0.916	-0.017	-0.055-0.021	3.74x10 <sup>-1</sup>
<i>CRY2</i>	rs11605924	11	45829667	A/C	0.49	-0.005	-0.011-0.001	0.865	0.013	-0.018-0.044	4.07x10 <sup>-1</sup>
<i>C2CD4B</i>	rs11071657	15	60221254	A/G	0.63	-0.013	-0.021--0.005	0.868	-0.003	-0.040-0.034	8.71x10 <sup>-1</sup>

**Fasting Insulin Loci**

Nearest gene(s)	Index SNP in EuA <sup>b</sup>	Chr.	Position	HOMA-IR in EuA				HOMA-IR in AfA			P-value
				Alleles <sup>c</sup>	EAF <sup>d</sup>	Effect	95% C.I.	EAF <sup>d</sup>	Effect	95% C.I.	
<i>GCKR</i>	rs780094	2	27594741	C/T	0.62	0.035	0.027-0.043	0.817	0.030	0.000-0.060	5.02x10 <sup>-2</sup>
<i>IGF1</i>	rs35767	12	101399699	G/A	0.85	0.013	0.001-0.025	0.570	0.001	-0.024-0.025	9.48x10 <sup>-1</sup>

<sup>a</sup>. The loci in this table were all obtained from Dupuis et al (2010)

<sup>b</sup>. EuA = European American and AfA = African American

<sup>c</sup>. Effect/Other allele

<sup>d</sup>. EAF=Effect allele frequency