

ESM Table S5. Conditional Analysis of top 9 Loci with putative novel SNPs

Locus	Chr	Lead SNP	A1	A2	MAF	OR	P.value *	Condition on European SNPs †	r2 (European)	r2 (Asian)	P.condition 1 (European SNPs) †	Condition on lead SNP ‡	Novel SNP	A1	A2	MAF	OR	P.value *	P.condition 1 (European SNPs) †	P.condition 2 (+lead SNP) ‡
<i>IRS1</i>	2	rs2943632	A	G	0.08	0.82	1.8E-04	rs7578326 or rs2943641	0.782	0.070	0.09	rs2943632	<b>rs2138157</b>	T	G	0.07	0.81	2.6E-04	2.8E-02	0.03
<i>UBE2E2</i>	3	rs17012800 §	G	A	0.19	0.86	4.3E-05	rs7612463 §	0.478	0.823	NA §	rs17012800	no additional SNPs							
<i>CDKAL1</i>	6	rs9356744	C	T	0.36	1.14	2.1E-05	rs7756992, rs7754840, rs4712523, rs10946398, rs9465871, rs4712524, rs9295474	0.396 to 0.748	0.702 to 0.845	0.001 ~ 0.017	rs9356744	<b>rs7773318</b>	T	C	0.32	1.13	8.4E-05	1.5E-04 ~ 3.3 E-04	3.0E-04
								rs9368222 (proxy for rs10440833)	0.843	1.000	NS		<b>rs9465994</b>	A	G	0.39	0.90	4.7E-04	1.7E-03 ~ 2.4 E-03	2.6E-03 (rs9356744) 4.1E-03 (+ rs7773318)
<i>SLC30A8</i>	8	rs11774700	C	T	0.45	0.90	2.7E-04	rs13266634	0.801	0.934	0.62	rs11774700	no additional SNPs							
<i>GLIS3</i>	9	<b>rs12378556</b>	G	A	0.38	1.11	4.0E-04	rs7041847	0.121	0.521	2.4E-03	rs12378556	<b>rs10974438</b>	C	A	0.38	1.11	7.2E-04	1.6E-03	0.03
<i>IDE/KIF11/HHEX</i>	10	<b>rs10882091</b>	C	T	0.10	1.30	2.9E-05	rs1111875	0.506	0.178	4.9E-03	rs10882091	no additional SNPs							
<i>KCNJ11/ABCC8</i>	11	rs2074314	G	A	0.37	1.15	3.5E-06	rs5215, rs5219	0.837	0.962	NS	rs2074314	no additional SNPs							
<i>PRC1</i>	15	rs3743451 §	T	C	0.48	0.90	8.9E-04	rs8042680 §	0.136	NA	NA §	rs3743451	no additional SNPs							
<i>HNF1B (TCF2)</i>	17	rs8064454	A	C	0.28	1.16	1.3E-05	rs757210	0.564	0.848	0.06	rs8064454	no additional SNPs							

\* P.value; adjusted for age, gender, PC1.

† P.condition 1; adjusted for age, gender, PC1, and prior Caucasian SNPs (†)

‡ P.condition 2; adjusted for age, gender, PC1, and novel SNPs (‡) to see if there are additional significant independent SNPs in the locus.

§, SNPs not on the MetaboChip but available proxy; §, SNPs not on the MetaboChip and no available proxy.

||, SNPs not on the MetaboChip but available proxy; ||, plus. SNP in **bold** indicates a novel SNP of the respective locus.

Alpha for conditional analysis set at P<0.05