

Supplementary Table 1 Forty SNPs representing 30 GWAS-identified genes/loci were selected from published studies that previously reported association with type 2 diabetes and related traits

Gene or nearest gene	SNP ID	Chromosome	Population	Trait	Approach	First Author, Published Year, Journal
NOTCH2	rs10923931	1	European	T2D	GWAS	Zeggini et al., 2008 Nature Genetics
PROX1	rs340874	1	European	Fasting Glucose; HOMA B	GWAS	Dupuis et al., 2010 Nature
G6PC2	rs560887	2	European	Fasting Glucose; HOMA B	GWAS	Dupuis et al., 2010 Nature
GCKR	rs780094	2	European	Fasting Glucose; HOMA B; Fasting Insulin; HOMA-IR	GWAS	Dupuis et al., 2010 Nature
THADA	rs7578597	2	European	T2D	GWAS	Zeggini et al., 2008 Nature Genetics
ADAMTS9	rs4607103	3	European	T2D	GWAS	Zeggini et al., 2008 Nature Genetics
ADCY5	rs11708067	3	European	Fasting Glucose; HOMA B	GWAS	Dupuis et al., 2010 Nature
IGF2BP2	rs4402960	3	European	T2D	GWAS	Scott et al., 2007 Science
PPARG	rs1801282	3	European	T2D	Candidate Gene Association	Altshuler et al., 2000 Nature Genetics
SLC2A2	rs11920090	3	European	Fasting Glucose; HOMA B	GWAS	Dupuis et al., 2010 Nature
WFS1	rs10010131	4	European	T2D	Large Scale Association	Sandhu et al., 2007 Nature Genetics
CDKAL1	rs10946398	6	European	T2D	GWAS	Zeggini et al., 2007 Science
DGKB-TMEM195	rs2191349	7	European	Fasting Glucose; HOMA B	GWAS	Dupuis et al., 2010 Nature
GCK	rs4607517	7	European	Fasting Glucose; HOMA B	GWAS	Dupuis et al., 2010 Nature
JAZF1	rs864745	7	European	T2D	GWAS	Zeggini et al., 2008 Nature Genetics
SLC30A8	rs13266634; rs11558471	8	European	T2D; Fasting Glucose; HOMA B	GWAS	Scott et al., 2007 Science; Dupuis et al., 2010 Nature
CDKN2A/B	rs10811661	9	European	T2D	Large Scale Association	Grarup et al., 2007 Diabetes
GLIS3	rs7034200	9	European	Fasting Glucose; HOMA B	GWAS	Dupuis et al., 2010 Nature
ADRA2A	rs10885122	10	European	Fasting Glucose; HOMA B	GWAS	Dupuis et al., 2010 Nature
HHEX	rs1111875	10	European	T2D	GWAS	Saxena et al., 2007 Science
TCF7L2	rs7903146; rs12255372; rs7901695; rs12243326; rs4506565	10	European	T2D; Fasting Glucose; HOMA B	Large Scale Association; GWAS	Grant et al., 2006 Nature Genetics; Saxena et al., 2007 Science; Dupuis et al., 2010 Nature
CRY2	rs11605924	11	European	Fasting Glucose; HOMA B	GWAS	Dupuis et al., 2010 Nature
FADS1	rs174550	11	European	Fasting Glucose; HOMA B	GWAS	Dupuis et al., 2010 Nature
KCNJ11	rs5215	11	European	T2D	GWAS	Zeggini et al., 2007 Science
MADD	rs7944584	11	European	Fasting Glucose; HOMA B	GWAS	Dupuis et al., 2010 Nature

MTNR1B	rs10830963	11	European	Fasting Glucose; HOMA B	GWAS	Dupuis et al., 2010 Nature
IGF1	rs35767	12	European	Fasting Insulin; HOMA-IR	GWAS	Dupuis et al., 2010 Nature
TSPAN8	rs7961581	12	European	T2D	GWAS	Zeggini et al., 2008 Nature Genetics
FTO	rs8050136; rs9939609; rs7203051; rs3751812; rs17818902; rs1075888	16	European	T2D; obesity	GWAS; Candidate Gene Association	Scott et al., 2007 Science; Frayling et al., 2006 Science; Zeggini et al., 2007 Science
HNF1B	rs4430796	17	European	T2D	GWAS	Voight et al., 2010 Nature Genetics