

ESM Table 4 Heterogeneity of the genetic effect estimates between 10 different regional centre

CHR	SNP	Nearby Genes I ²	^a <i>P</i> _{heterogeneity}	Direction
1	rs10923931	<i>NOTCH2</i>	2.10	0.4192 ++++++++
1	rs340874	<i>PROX1</i>	0.00	0.7609 ++++++++
2	rs780094	<i>GCKR</i>	23.00	0.2319 ++++++++
2	rs7578597	<i>THADA</i>	33.00	0.1443 +-----+
2	rs243021	<i>BCL11A</i>	43.00	0.0711 +++-+++++
2	rs7593730	<i>RBMS1</i>	0.00	0.5492 -+-+-----
2	rs3923113	<i>GRB14</i>	0.00	0.4811 -++++-+--
2	rs2943641	<i>IRS1</i>	42.80	0.0728 +++-+----+
3	rs1801282	<i>PPARG</i>	0.00	0.4714 +++++-+--+
3	rs6780569	<i>UBE2E2</i>	0.00	0.9791 ++++++++
3	rs831571	<i>PSMD6</i>	22.50	0.2359 +-+-----+
3	rs4607103	<i>ADAMTS9</i>	47.30	0.0477 -++++-+--
3	rs11708067	<i>ADCY5</i>	0.00	0.5730 ++++++++
3	rs1470579	<i>IGF2BP2</i>	15.90	0.2971 ++++++++
3	rs16861329	<i>ST6GALI</i>	0.00	0.6314 ++++++++
4	rs6815464	<i>MAEA</i>	1.60	0.4238 ++++++++
4	rs10010131	<i>WFS1</i>	21.90	0.2418 +++++-+--
5	rs4457053	<i>ZBED3</i>	53.10	0.0238 -+++++++
6	rs7754840	<i>CDKALI</i>	31.70	0.1546 ++++++++
6	rs9470794	<i>ZFAND3</i>	0.00	0.9912 +-----+
7	rs2191349	<i>DGKB</i>	0.00	0.6700 -+-+-----
7	rs864745	<i>JAZF1</i>	34.40	0.1323 -+-+-----
7	rs4607517	<i>GCK</i>	57.30	0.0123 +-+-----+
7	rs6467136	<i>GCC1-PAX4</i>	0.00	0.7055 -++++-+--
7	rs972283	<i>KLF14</i>	0.00	0.6760 +-+-----+
8	rs896854	<i>TP53INP1</i>	0.00	0.9596 ++++++++
8	rs13266634	<i>SLC30A8</i>	0.00	0.6537 ++++++++
9	rs7041847	<i>GLIS3</i>	0.00	0.4806 -++++-+--
9	rs17584499	<i>PTPRD</i>	0.00	0.8164 ----+-----
9	rs10811661	<i>CDKN2A/B</i>	59.80	0.0077 ++++++++
9	rs13292136	<i>TLE4/CHCHD</i>	19.60	0.2626 +++++-+--
10	rs10906115	<i>CDC123</i>	12.40	0.3289 ++++++++
10	rs1802295	<i>VPS26A</i>	0.00	0.4613 -++++-+--
10	rs1111875	<i>HHEX/IDE</i>	0.00	0.5640 ++++++++
10	rs7901695	<i>TCF7L2</i>	0.00	0.5540 ++++++++
10	rs10886471	<i>GRK5</i>	13.10	0.3228 -+-+-----
11	rs4752781	<i>DUSP8/INS</i>	22.70	0.2342 -+-+-----
11	rs2237892	<i>KCNQ1</i>	50.20	0.0344 ++++++++
11	rs5215	<i>KCNJ11</i>	0.00	0.6773 +++++-+--
11	rs1552224	<i>ARAP1</i>	0.00	0.5431 +-----+
11	rs10830963	<i>MTNR1B</i>	34.30	0.1339 +-+-----+
12	rs1531343	<i>HMG2A</i>	0.00	0.7304 +-+-----+
12	rs7961581	<i>TSPAN8/LGR5</i>	0.00	0.9621 +-+-----+
13	rs1359790	<i>SPRY2</i>	19.20	0.2659 -+-+-----
15	rs7403531	<i>RASGRP1</i>	4.00	0.4030 +-+-----+
15	rs7172432	<i>VPS13C</i>	24.50	0.2182 -+-+-----
15	rs7178572	<i>HMG20A</i>	0.00	0.8611 ++++++++
15	rs11634397	<i>ZFAND6</i>	0.00	0.7386 +-+-----
15	rs2028299	<i>AP3S2</i>	0.00	0.9898 +++++-+--
15	rs8042680	<i>PRC1</i>	6.60	0.3812 -+-+-----
16	rs9939609	<i>FTO</i>	0.00	0.4839 ++++++++
17	rs4523957	<i>SRR</i>	56.40	0.0143 ----+-----
17	rs4430796	<i>HNF1B</i>	18.90	0.2687 ++++++++
18	rs12970134	<i>MC4R</i>	0.00	0.4380 +++++-+--
20	rs6017317	<i>HNF4A</i>	0.00	0.8093 +++++-+--
23	rs5945326	<i>DUSP9</i>	0.00	0.4421 ++++++++

^aEvidence of heterogeneity ($P < 0.05 / 59 = 8.5E-04$)