

SUPPLEMENTARY DATA

Supplementary Table 1. Islet donor characteristics

Donor age	48 (19-64)
BMI	27 (21-37)
Sex (M/F)	21/15
Cold ischaemic time (hours)	15 (3-25)
Islet purity (%)	90 (75-95)
Islet viability (%)	92 (80-96)

Data presented as median (range). All white non-diabetic donors.

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Supplementary Table 2. TaqMan primer/probe sequences
Allelic expression analysis

Transcribed SNP	Assay type	Assay ID	Forward primer sequence	Reverse Primer sequence	FAM probe sequence	VIC probe sequence
rs699779	I	C_27079518_10	N/A	N/A	N/A	N/A
rs5219	I	C_11654065_10	N/A	N/A	N/A	N/A
rs17240240	I	C_25605130_10	N/A	N/A	N/A	N/A
rs11558471	I	C_32657961_20	N/A	N/A	N/A	N/A
rs1046320	I	C_2873369_10	N/A	N/A	N/A	N/A
rs55834942	I	C_89163791_10	N/A	N/A	N/A	N/A
rs750625	I	C_10008773_10	N/A	N/A	N/A	N/A
rs11603334	I	C_1953904_10	N/A	N/A	N/A	N/A
rs11024271	I	C_2991129_20	N/A	N/A	N/A	N/A
rs835575	I	C_8689324_10	N/A	N/A	N/A	N/A
rs5215	I	C_2991148_10	N/A	N/A	N/A	N/A
rs1801206	I	C_8841070_10	N/A	N/A	N/A	N/A
rs3802177	I	C_357887_10	N/A	N/A	N/A	N/A
rs1801282	I	C_1129864_10	N/A	N/A	N/A	N/A
rs7377	I	C_7480381_10	N/A	N/A	N/A	N/A
rs2793823	I	C_25641062_10	N/A	N/A	N/A	N/A
rs1065359	C	N/A	CCGCGACGGCAAGTG	CTTCACTGCAGCG GG	AGTGCACATTCT GC	AAGTGCACGTTCT GC
rs7578597	C	N/A	GAACCAAAGAAAGGC AGAATGGATT	GTAGGCCAGCCA AAGAGATTAA	CTTTCATTGCTAT TTTC	CTCTTTCATTGTTA TTTTC
rs72999033	C	N/A	GAGGCAGAATTCAAA CCCAAACC	CCTCTTACTGTCA CGTCATCTCT	TGGTCCCAAAT TCAGAG	CTGGTCCCAAAC TCAGAG
rs13337017	C	N/A	CTGCCTGCCTGCATTG G	GGCAGCAGCGCCA AAG	TGCCCTGAATCC CTAGA	TGCCCTGAACCC CTAGA
rs41276922	C	N/A	TCCGTTTCACCTGCAA GGA	GTAGTTGAGCTTCT TGCTGTGGAT	ATGATGACATCA GTGGCC	TGATGACGTCAGT GGCC
rs952472	C	N/A	GGTGGCTATTCACAGA TGCTATCAT	TGCTAGGCGTGAT GCTTGAG	ACTACAGCCTCC AACTC	ACTACAGCCTACA ACTC
rs3734621	C	N/A	ATGGGAATCAAAGTC ACTAGTTGCT	CCTCACTTGCTCTG GCTTCAG	AGCAGCCCCTAG TTC	AGCAGCCCATAGT TC

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C, custom TaqMan SNP genotyping assay; I, inventoried TaqMan SNP genotyping assay; N/A, not available.

eQTL analysis

Gene	Assay ID
<i>ACTB</i>	Hs01060665_g1
<i>B2M</i>	Hs00984230_m1
<i>GUSB</i>	Hs99999908_m1
<i>HMBS</i>	Hs00609297_m1
<i>RPL11</i>	Hs00831112_s1
<i>ANPEP</i>	Hs00952641_m1
<i>AP3S2</i>	Hs00195185_m1
<i>ARPIN</i>	Hs01931334_s1
<i>MESP1</i>	Hs00251489_m1
<i>MESP2</i>	Hs02742533_m1