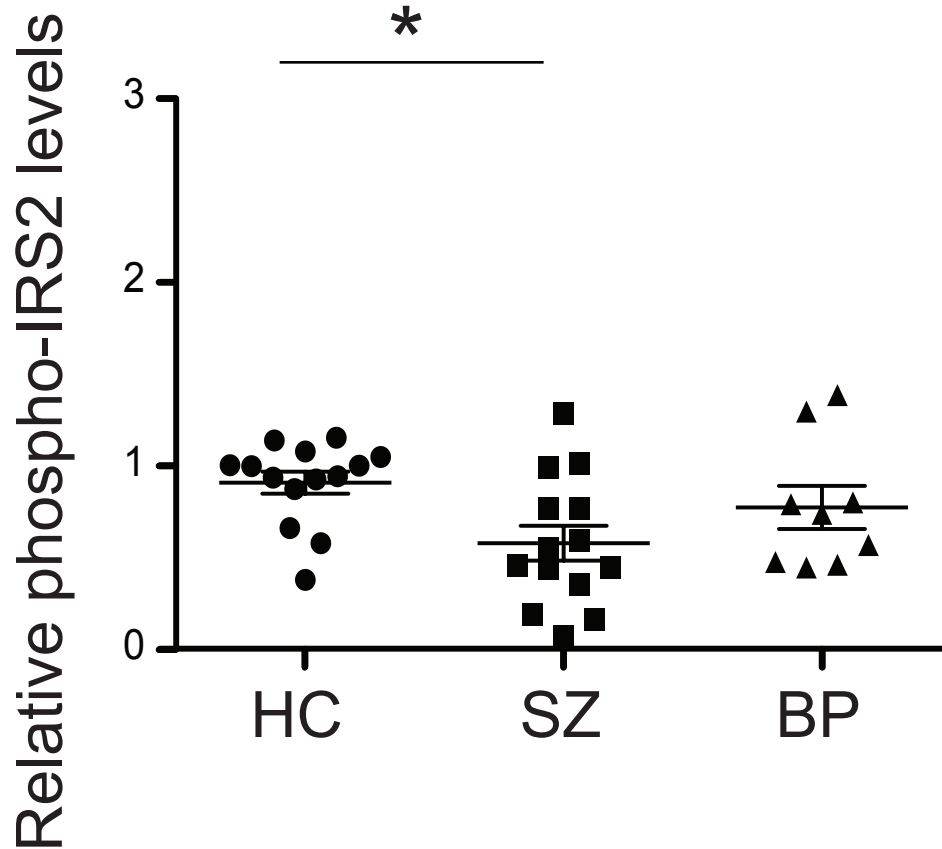


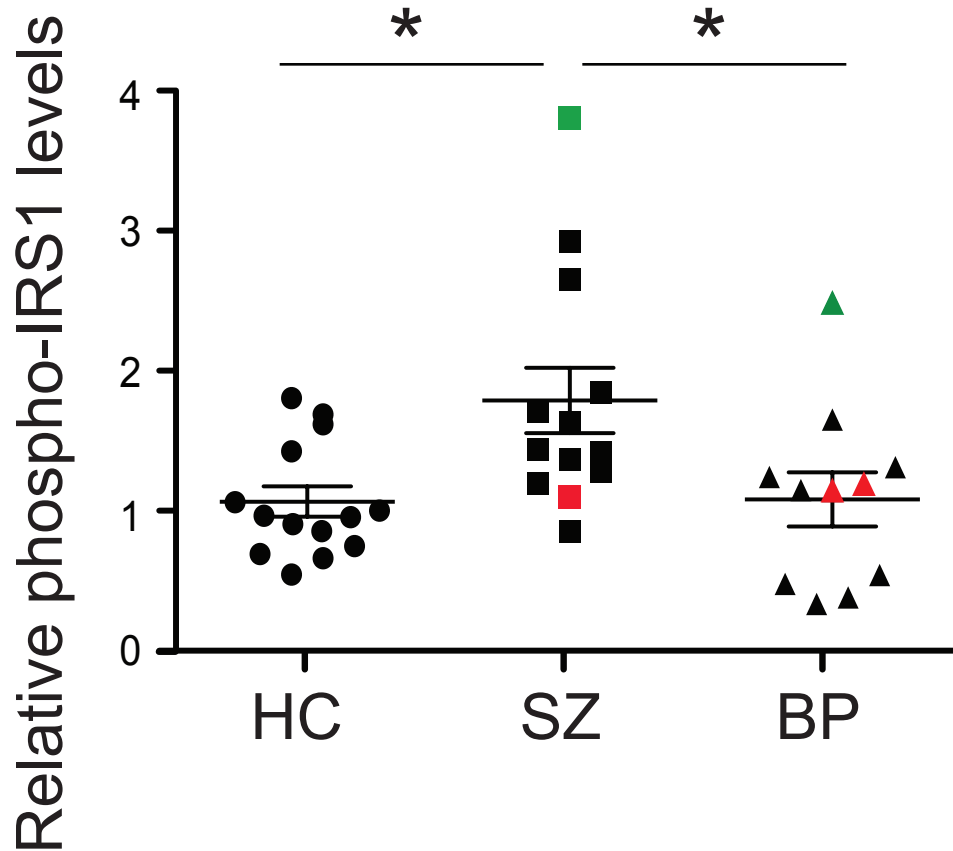
Supplemental Fig. 1 Tyrosine phosphorylation of IRS2 in olfactory neuronal cells after insulin stimulation

Olfactory neuronal cells derived from healthy controls were stimulated with different concentrations of insulin and characterized for the level of tyrosine phosphorylation of IRS2 (pIRS2). In this experiment, we demonstrated that the linearity of the signal (the level of tyrosine phosphorylation of IRS2) occurs between the insulin concentrations of 0 and 30 nM, which is indicated by a dotted line on the graph. Thus, we used 10 nM insulin for all experiments to be within the linear range of the pIRS2 signal.



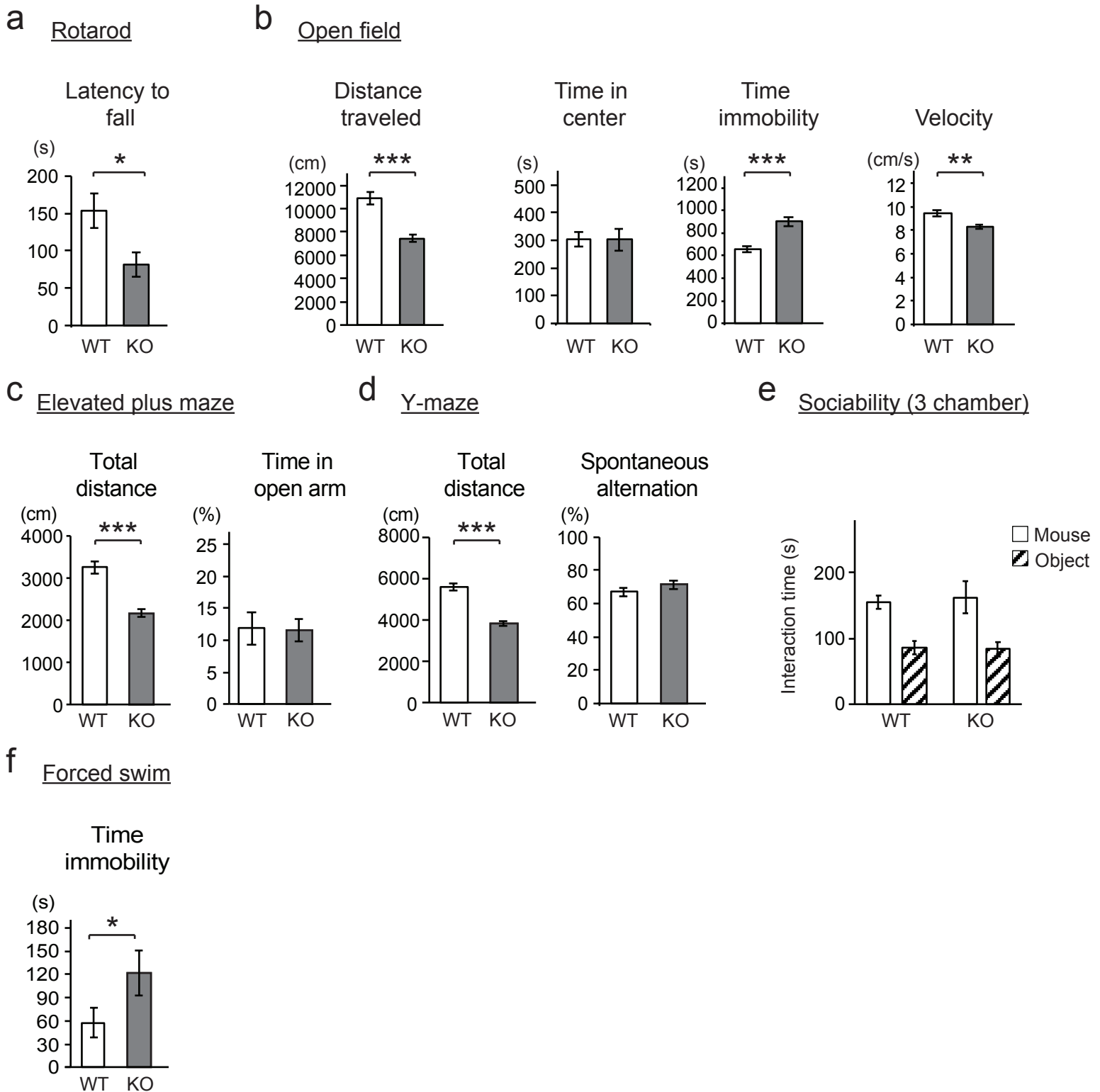
Supplemental Fig. 3 Tyrosine phosphorylation of IRS2 in olfactory neuronal cells after excluding one healthy control outlier from the analysis (see Figure 2 including all the subjects)

Olfactory neuronal cells derived from patients with SZ or BP as well as those from healthy controls (HC) were stimulated with insulin and characterized for the level of tyrosine phosphorylation of IRS2. Data are shown as mean \pm SEM. * $P=0.0269$ (one-way ANOVA, followed by Bonferroni's multiple comparison test). Though one possible outlier (higher than the average by more than two-fold standard deviation) was excluded in this analysis, the results did not change from the analysis including all the patients.



Supplemental Fig. 4 IRS1 phosphorylation at serine-312 in olfactory neuronal cells derived from SZ and BP patients

The level of IRS1 phosphorylation at serine-312 (pIRS1) was measured in olfactory neuronal cells derived from patients with SZ or BP and healthy controls (HC) at baseline (without insulin stimulation). Data are shown as mean \pm SEM. * $P < 0.05$. Red, 1 SZ patient who was pre-diabetic and 2 BP patients who had diabetes at the time of the nasal biopsy. Green, 2 outliers (1 SZ and 1 BP) that are different from the average at more than two-fold standard deviation. The inclusion and exclusion of these subjects (diabetic/pre-diabetic patients or outliers) did not change the scientific conclusions.



Supplemental Fig. 5 Behavioral assays of *Irs2* KO mice

Male *Irs2* KO mice (N=9) and WT littermates (N=12) at 7 weeks of age were subjected to rotarod (a), open field (b), elevated plus maze (c), Y-maze (d), three-chamber social interaction (e), and forced swim test (f). Data are shown as mean \pm SEM. Statistical analysis was performed as described in the Materials and Methods. * $P < 0.05$, ** $P < 0.01$, *** $P < 0.001$.

Supplemental Table 1 | Psychiatric diagnostic classifications used in this study

Schizophrenia (SZ)

ICD 8 codes 295.xx (except 295.79)

ICD10 codes F20

Bipolar disorder (BP)

ICD 8 codes 296.19

296.39

ICD10 codes F30

F31

ICD 8, International Classification of Disease, eighth edition; ICD 10, International Classification of Disease, tenth edition

Supplemental Table 2 | Criteria for diabetes used in this study (at least one of the following)

- 1) A diagnosis of diabetes (ICD-10 codes: E11-14, H36.0, and O24 excluding O24.4) registered in the Danish National Registry of Patients.
- 2) Chiropody for diabetic patients recorded in the National Health Insurance Service Registry.
- 3) Five blood glucose measurements within one year or two measurements per year in five consecutive years recorded in the National Health Insurance Service Registry.
- 4) A second purchase of oral glucose-lowering drugs recorded in the Register of Medical Product Statistics within six months (except for women aged 20-39 years prescribed metformin alone).
- 5) A second purchase of insulin recorded in the Register of Medical Product Statistics.

ICD 10, International Classification of Disease, tenth edition

Supplemental Table 3a | Incidence of diabetes in each population

Population	Person-years under risk	Incidence of diabetes	Rate per 1000 person-years
SZ			
Female	90232	1016	11.26
Male	127169	1233	9.70
Without SZ			
Female	31683091	120193	3.79
Male	31096993	131553	4.23
BP			
Female	75160	890	11.84
Male	46690	578	12.38
Without BP			
Female	31698162	120319	3.80
Male	31177473	132208	4.24

SZ, schizophrenia; BP, bipolar disorder

Supplemental Table 3b | Incidence of schizophrenia (SZ) in each population

Population	Person-years under risk	Incidence of SZ	Rate per 1000 person-years
Diabetes			
Female	590194	117	0.198
Male	630997	103	0.163
Without diabetes			
Female	25614775	4202	0.164
Male	24702092	5504	0.223

SZ, schizophrenia

Supplemental Table 3c | Incidence of bipolar disorder (BP) in each population

Population	Person-years under risk	Incidence of BP	Rate per 1000 person-years
Diabetes			
Female	590704	170	0.288
Male	634066	166	0.262
Without diabetes			
Female	25629838	4296	0.168
Male	24782514	3176	0.128

BP, bipolar disorder

Supplemental Table 4 | Full model of log linear regression analyses for type 2 diabetes risk in female and male SZ

(a) Female

Variable	RR ^a (95% CI)
SZ	2.14 (2.00, 2.29)
Without SZ	1
Age group (years)	
0 - 10	0.00 (0.00, 0.00)
10 - 19	0.02 (0.01, 0.02)
20 - 29	0.06 (0.06, 0.07)
30 - 39	0.09 (0.09, 0.10)
40 - 49	0.18 (0.17, 0.18)
50 - 59	0.41 (0.40, 0.42)
60 - 69	0.78 (0.76, 0.79)
70 - 79	1.06 (1.04, 1.08)
80 -	1
Calendar year	
1997	0.56 (0.54, 0.57)
1998 - 1999	0.62 (0.61, 0.63)
2000 - 2001	0.71 (0.70, 0.73)
2002 - 2003	0.89 (0.88, 0.91)
2004 - 2005	0.89 (0.87, 0.90)
2006 - 2007	0.91 (0.89, 0.93)
2008 - 2009	1
Urbanicity at birth	
Capital	0.92 (0.90, 0.93)
Capital Suburb	0.87 (0.84, 0.90)
Provincial City	1.05 (1.03, 1.07)
Provincial Town	1.00 (0.99, 1.02)
Rural Area	1
Family history of SZ (Maternal)	0.79 (0.61, 1.03)
Family history of SZ (Paternal)	1.32 (1.00, 1.75)
Family history of BP (Maternal)	0.95 (0.80, 1.14)
Family history of BP (Paternal)	0.92 (0.73, 1.16)
Family history of DM (Maternal)	2.09 (2.02, 2.17)
Family history of DM (Paternal)	1.80 (1.73, 1.87)
History of alcohol abuse	1.59 (1.53, 1.65)

(b) Male

Variable	RR ^a (95% CI)
SZ	1.80 (1.69, 1.91)
Without SZ	1
Age group (years)	
0 - 10	0.00 (0.00, 0.00)
10 - 19	0.01 (0.00, 0.01)
20 - 29	0.02 (0.01, 0.02)
30 - 39	0.06 (0.05, 0.06)
40 - 49	0.18 (0.18, 0.19)
50 - 59	0.47 (0.46, 0.48)
60 - 69	0.83 (0.81, 0.85)
70 - 79	1.04 (1.01, 1.06)
80 -	1
Calendar year	
1997	0.53 (0.51, 0.54)
1998 - 1999	0.61 (0.60, 0.63)
2000 - 2001	0.68 (0.67, 0.70)
2002 - 2003	0.84 (0.82, 0.86)
2004 - 2005	0.86 (0.84, 0.88)
2006 - 2007	0.88 (0.86, 0.90)
2008 - 2009	1
Urbanicity at birth	
Capital	1.05 (1.03, 1.06)
Capital Suburb	1.02 (0.99, 1.05)
Provincial City	1.09 (1.07, 1.11)
Provincial Town	1.04 (1.02, 1.05)
Rural Area	1
Family history of SZ (Maternal)	0.89 (0.71, 1.12)
Family history of SZ (Paternal)	0.86 (0.60, 1.21)
Family history of BP (Maternal)	0.93 (0.79, 1.09)
Family history of BP (Paternal)	0.83 (0.66, 1.05)
Family history of DM (Maternal)	1.92 (1.85, 1.98)
Family history of DM (Paternal)	1.68 (1.62, 1.74)
History of alcohol abuse	1.55 (1.51, 1.59)

SZ, schizophrenia; BP, bipolar disorder; DM, diabetes mellitus.

^aVariables are mutually adjusted.

Supplemental Table 5 | Full model of log linear regression analyses for type 2 diabetes risk in female and male BP

(a) Female		(b) Male	
Variable	RR ^a (95% CI)	Variable	RR ^a (95% CI)
BP	1.63 (1.52, 1.75)	BP	1.38 (1.26, 1.50)
Without BP	1	Without BP	1
Age group (years)		Age group (years)	
0 - 10	0.00 (0.00, 0.00)	0 - 10	0.00 (0.00, 0.00)
10 - 19	0.02 (0.01, 0.02)	10 - 19	0.01 (0.00, 0.01)
20 - 29	0.06 (0.06, 0.07)	20 - 29	0.02 (0.01, 0.02)
30 - 39	0.09 (0.09, 0.10)	30 - 39	0.06 (0.05, 0.06)
40 - 49	0.18 (0.17, 0.18)	40 - 49	0.18 (0.18, 0.19)
50 - 59	0.41 (0.40, 0.42)	50 - 59	0.47 (0.46, 0.48)
60 - 69	0.78 (0.76, 0.79)	60 - 69	0.83 (0.81, 0.85)
70 - 79	1.06 (1.04, 1.08)	70 - 79	1.04 (1.01, 1.06)
80 -	1	80 -	1
Calendar year		Calendar year	
1997	0.56 (0.54, 0.57)	1997	0.53 (0.51, 0.54)
1998 - 1999	0.62 (0.61, 0.63)	1998 - 1999	0.61 (0.60, 0.63)
2000 - 2001	0.71 (0.70, 0.73)	2000 - 2001	0.68 (0.67, 0.70)
2002 - 2003	0.89 (0.88, 0.91)	2002 - 2003	0.84 (0.82, 0.86)
2004 - 2005	0.89 (0.87, 0.90)	2004 - 2005	0.86 (0.84, 0.88)
2006 - 2007	0.91 (0.89, 0.93)	2006 - 2007	0.88 (0.86, 0.90)
2008 - 2009	1	2008 - 2009	1
Urbanicity at birth		Urbanicity at birth	
Capital	0.92 (0.90, 0.94)	Capital	1.05 (1.03, 1.07)
Capital Suburb	0.87 (0.85, 0.90)	Capital Suburb	1.02 (0.99, 1.05)
Provincial City	1.05 (1.03, 1.07)	Provincial City	1.09 (1.07, 1.11)
Provincial Town	1.00 (0.99, 1.02)	Provincial Town	1.04 (1.02, 1.05)
Rural Area	1	Rural Area	1
Family history of SZ (Maternal)	0.82 (0.63, 1.06)	Family history of SZ (Maternal)	0.92 (0.73, 1.15)
Family history of SZ (Paternal)	1.35 (1.02, 1.79)	Family history of SZ (Paternal)	0.88 (0.62, 1.25)
Family history of BP (Maternal)	0.95 (0.79, 1.13)	Family history of BP (Maternal)	0.93 (0.79, 1.10)
Family history of BP (Paternal)	0.92 (0.73, 1.15)	Family history of BP (Paternal)	0.83 (0.66, 1.05)
Family history of DM (Maternal)	2.10 (2.02, 2.18)	Family history of DM (Maternal)	1.92 (1.85, 1.98)
Family history of DM (Paternal)	1.80 (1.73, 1.87)	Family history of DM (Paternal)	1.68 (1.62, 1.74)
History of alcohol abuse	1.60 (1.54, 1.66)	History of alcohol abuse	1.57 (1.53, 1.61)

SZ, schizophrenia; BP, bipolar disorder; DM, diabetes mellitus.

^aVariables are mutually adjusted.

Supplemental Table 6 | Full model of log linear regression analyses for SZ and BP risk in diabetes type 1&2

(a) SZ risk		(b) BP risk	
Variable	RR ^a (95% CI)	Variable	RR ^a (95% CI)
Female		Female	
Type1 DM	2.91 (2.11, 4.01)	Type1 DM	1.70 (1.23, 2.35)
Type2 DM	1.68 (1.34, 2.11)	Type2 DM	1.32 (1.11, 1.57)
Without DM	1	Without DM	1
Male		Male	
Type1 DM	1.37 (0.96, 1.94)	Type1 DM	1.04 (0.72, 1.49)
Type2 DM	1.79 (1.41, 2.27)	Type2 DM	1.54 (1.29, 1.83)
Without DM	1	Without DM	1
Age group (years)		Age group (years)	
Female		Female	
15 - 24	20.60 (14.32, 29.62)	15 - 24	0.88 (0.74, 1.06)
25 - 34	13.30 (9.24, 19.15)	25 - 34	1.33 (1.13, 1.58)
35 - 44	9.31 (6.46, 13.42)	35 - 44	1.60 (1.36, 1.88)
45 - 54	7.52 (5.21, 10.86)	45 - 54	1.91 (1.63, 2.24)
55 - 64	4.45 (3.06, 6.47)	55 - 64	1.81 (1.54, 2.12)
65 - 74	4.43 (3.02, 6.49)	65 - 74	1.71 (1.45, 2.03)
75 -	2.64 (1.77, 3.94)	75 -	1.51 (1.27, 1.80)
Male		Male	
15 - 24	25.86 (18.01, 37.15)	15 - 24	0.61 (0.51, 0.74)
25 - 34	21.06 (14.66, 30.25)	25 - 34	0.84 (0.71, 1.00)
35 - 44	11.13 (7.74, 16.02)	35 - 44	0.96 (0.81, 1.13)
45 - 54	6.00 (4.16, 8.67)	45 - 54	1.28 (1.09, 1.51)
55 - 64	2.29 (1.56, 3.36)	55 - 64	1.28 (1.09, 1.50)
65 - 74	1.83 (1.21, 2.76)	65 - 74	1.01 (0.84, 1.21)
75 -	1	75 -	1
Calendar year		Calendar year	
1997	1.07 (0.98, 1.17)	1997	0.89 (0.80, 0.98)
1998 - 1999	1.15 (1.07, 1.24)	1998 - 1999	0.86 (0.79, 0.93)
2000 - 2001	1.14 (1.06, 1.23)	2000 - 2001	0.90 (0.83, 0.98)
2002 - 2003	1.15 (1.07, 1.23)	2002 - 2003	0.88 (0.81, 0.95)
2004 - 2005	0.97 (0.90, 1.05)	2004 - 2005	0.93 (0.86, 1.00)
2006 - 2007	0.94 (0.87, 1.01)	2006 - 2007	0.91 (0.84, 0.98)
2008 - 2009	1	2008 - 2009	1
Urbanicity at birth		Urbanicity at birth	
Capital	1.85 (1.74, 1.96)	Capital	1.13 (1.06, 1.20)
Capital Suburb	1.53 (1.42, 1.65)	Capital Suburb	1.05 (0.95, 1.16)
Provincial City	1.20 (1.12, 1.29)	Provincial City	1.25 (1.16, 1.34)
Provincial Town	1.16 (1.09, 1.22)	Provincial Town	1.07 (1.01, 1.13)
Rural Area	1	Rural Area	1
Family history of SZ (Maternal)	4.73 (4.03, 5.55)	Family history of SZ (Maternal)	1.89 (1.40, 2.54)
Family history of SZ (Paternal)	3.61 (2.93, 4.44)	Family history of SZ (Paternal)	2.51 (1.77, 3.55)
Family history of BP (Maternal)	2.06 (1.69, 2.52)	Family history of BP (Maternal)	6.88 (5.84, 8.10)
Family history of BP (Paternal)	2.13 (1.67, 2.72)	Family history of BP (Paternal)	5.64 (4.55, 6.99)
Family history of DM (Maternal)	1.29 (1.18, 1.41)	Family history of DM (Maternal)	0.99 (0.88, 1.11)
Family history of DM (Paternal)	1.11 (1.02, 1.21)	Family history of DM (Paternal)	1.09 (0.98, 1.21)
History of alcohol abuse	10.69 (10.14, 11.26)	History of alcohol abuse	11.82 (11.19, 12.48)

SZ, schizophrenia; BP, bipolar disorder; DM, diabetes mellitus.

^aVariables are mutually adjusted.

Supplemental Table 7 | Analysis of gene expression in human olfactory neuronal cells (PsychENCODE data)

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
U1	9.77E-10	Y	13	N
GTSF1	5.50E-07	Y	0	N
ESAM	3.79E-06	Y	1	N
IGFBP5	0.000554091	Y	248	Y
COL21A1	0.002312876	Y	0	N
GAS1	0.00247259	Y	5	N
ACAN	0.005687362	Y	30	N
HTR2B	0.0057707	Y	9	N
IL32	0.0057707	Y	4	N
TBX20	0.0057707	Y	6	N
SLC14A1	0.006658086	Y	1	N
VEGFD	0.006658086	Y	6	N
AL590004.4	0.009825873	Y	0	N
WNT5A	0.009825873	Y	56	N
FAM110C	0.027096996	Y	0	N
JAK1	0.02976228	Y	106	Y
FLG	0.034077928	Y	8	N
CHI3L1	0.034887149	Y	52	N
FOXO3	0.034887149	Y	245	Y
GAS1RR	0.034887149	Y	0	N
CCL11	0.036722699	Y	22	N
AC092162.2	0.041247792	Y	0	N
AC007618.1	0.045333362	Y	0	N
MCAM	0.045333362	Y	8	N
PPARGC1A	0.045333362	Y	616	Y
ARHGAP26	0.046125165	Y	1	N
ZNF793	0.046125165	Y	0	N
PCDHB10	0.046375694	Y	0	N
AC093535.2	0.049082268	Y	0	N
APOD	0.049082268	Y	12	N
EEF1A1P6	0.049082268	Y	0	N
GTSE1-AS1	0.049082268	Y	0	N
PCDHB2	0.049082268	Y	0	N
PIWIL2	0.049082268	Y	2	N
SRPK2	0.049082268	Y	1	N
TNFSF18	0.049082268	Y	2	N
MSC-AS1	0.055020004	N	0	N
TANC2	0.057126583	N	0	N
AC084357.3	0.05919182	N	0	N
EFHC2	0.05919182	N	0	N
GABRA4	0.05919182	N	0	N
JAM2	0.05919182	N	1	N
PCDHB3	0.05919182	N	0	N
PII5	0.05919182	N	10	N
PRKCA	0.05919182	N	49	N
SLPI	0.05919182	N	11	N
TCEANC	0.05919182	N	0	N
NRXN3	0.061993776	N	4	N
ARL2BPP2	0.064207421	N	0	N
LYL1	0.069321751	N	2	N
FAM110B	0.072770561	N	0	N
IL1RAPL1	0.072770561	N	0	N
ZNF585B	0.072770561	N	0	N
MEF2A	0.078081228	N	47	N
CLEC3B	0.079344835	N	1	N
LINC02535	0.079344835	N	0	N
PCDHB16	0.079344835	N	0	N
RC3H1-IT1	0.079344835	N	0	N
SCGB3A2	0.079344835	N	0	N
SLC38A1	0.079344835	N	7	N
FTH1P10	0.083324636	N	0	N
SLC46A3	0.083324636	N	0	N
PIFO	0.085226636	N	0	N
PNLDC1	0.085226636	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
BACE2	0.085813904	N	21	N
RNF130	0.087772636	N	0	N
FRMD6	0.08805007	N	0	N
AC106785.1	0.088276921	N	0	N
AC022919.1	0.092939189	N	0	N
AC064836.1	0.098820552	N	0	N
AC097532.2	0.098820552	N	0	N
LEP	0.098820552	N	325	Y
LINC00662	0.098820552	N	0	N
LITAF	0.098820552	N	4	N
NRF1	0.098820552	N	80	N
PRRC1	0.098820552	N	0	N
SLC1A7	0.098820552	N	1	N
SSBP3	0.098820552	N	2	N
LINC01013	0.099008997	N	0	N
ZNF677	0.099232631	N	0	N
LRRC61	0.102124197	N	0	N
PCDHB4	0.102124197	N	0	N
CHEK2	0.102191029	N	5	N
OXCT2	0.102412527	N	0	N
ZNF558	0.102412527	N	0	N
AL359513.1	0.102526419	N	0	N
ASB2	0.102526419	N	1	N
BTRC	0.102526419	N	0	N
CST1	0.102526419	N	2	N
HAS1	0.102526419	N	12	N
HLA-V	0.102526419	N	0	N
KCNMB1	0.102526419	N	0	N
MIR100HG	0.102526419	N	0	N
PCDHB13	0.102526419	N	0	N
PDE4DIP	0.102526419	N	0	N
PIMREG	0.102526419	N	0	N
SLC10A4	0.102526419	N	0	N
SSPN	0.102526419	N	1	N
TRPC4	0.102526419	N	5	N
UNC5D	0.103340153	N	1	N
MID2	0.104080361	N	0	N
HERPUD1	0.10423279	N	3	N
ENPP1	0.105756272	N	110	Y
WASL	0.10702048	N	8	N
INMT	0.10888093	N	0	N
CWC25	0.109231236	N	0	N
RYBP	0.110959368	N	3	N
CTH	0.111077453	N	9	N
ALDH1L2	0.111640084	N	1	N
CLDN1	0.111640084	N	8	N
FBXL20	0.111640084	N	0	N
OVCH1-AS1	0.111640084	N	0	N
PCDHA4	0.111640084	N	0	N
PRRG1	0.111640084	N	0	N
USP8P1	0.111640084	N	0	N
VDR	0.111640084	N	258	Y
ZNF559	0.111640084	N	0	N
CDK13	0.115539406	N	0	N
ARL6IP1	0.116497448	N	2	N
KCNG3	0.118832837	N	0	N
NAGS	0.118832837	N	1	N
FBXO32	0.121985007	N	123	Y
IL1R2	0.121985007	N	10	N
NEURL1B	0.121985007	N	0	N
ALG1L13P	0.123517619	N	0	N
FMO4	0.123517619	N	9	N
FTO	0.123517619	N	252	Y
PPM1H	0.123517619	N	0	N
PRELID2P1	0.123517619	N	0	N
AZI2	0.123909064	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
DSCR3	0.123909064	N	0	N
ORMDL1	0.123909064	N	0	N
ARL6IP1P2	0.125259501	N	0	N
SASH1	0.125259501	N	1	N
SLC7A14	0.125259501	N	0	N
AC020937.1	0.125778765	N	0	N
AL139289.2	0.125778765	N	0	N
ZNF836	0.125778765	N	0	N
AC016957.2	0.126692737	N	0	N
PILRB	0.126692737	N	0	N
CYP39A1	0.126980116	N	2	N
ZFAND5	0.127295147	N	0	N
FBXL17	0.130360877	N	0	N
AC019080.5	0.134086819	N	0	N
CNST	0.134086819	N	0	N
NIPAL2	0.134086819	N	0	N
OGT	0.134086819	N	121	Y
TNFAIP8L1	0.134086819	N	0	N
AC110794.1	0.136826997	N	0	N
AL137186.2	0.136826997	N	0	N
AL583856.1	0.136826997	N	0	N
GRAMD2B	0.136826997	N	0	N
AC010980.2	0.139368083	N	0	N
ANTXR1	0.139368083	N	0	N
ARHGAP11B	0.139368083	N	0	N
ASPN	0.139368083	N	6	N
BMP8B	0.139368083	N	3	N
DERL3	0.139368083	N	0	N
FGF7P6	0.139368083	N	0	N
GRB7	0.139368083	N	40	N
HLCS	0.139368083	N	2	N
KBTBD7	0.139368083	N	0	N
LINC02172	0.139368083	N	0	N
LRRTM3	0.139368083	N	0	N
LYPD1	0.139368083	N	0	N
PIGZ	0.139368083	N	0	N
POU6F1	0.139368083	N	1	N
PTPRM	0.139368083	N	1	N
RPS4XP1	0.139368083	N	0	N
SIK2	0.139368083	N	23	N
SOS1	0.139368083	N	23	N
SRSF4	0.139368083	N	2	N
UST	0.139368083	N	22	N
ZNF568	0.139368083	N	1	N
TNFSF4	0.139537793	N	3	N
AL079341.1	0.140299357	N	0	N
FAT4	0.140720117	N	1	N
MARCH6	0.144137467	N	1	N
AC007064.2	0.145221547	N	0	N
AL359851.1	0.145221547	N	0	N
ARNT	0.145221547	N	73	N
BRD7P2	0.145221547	N	0	N
CBLB	0.145221547	N	21	N
CDH19	0.145221547	N	0	N
CHURC1	0.145221547	N	1	N
HMGB2	0.145221547	N	3	N
PCDHB15	0.145221547	N	0	N
PLA2G4C	0.145221547	N	0	N
PRC1	0.145221547	N	19	N
PSAT1	0.145221547	N	2	N
SPG21	0.145221547	N	0	N
ZNF652	0.145221547	N	1	N
STEAP2	0.145769555	N	1	N
AL645940.1	0.146070047	N	0	N
RNMT	0.146070047	N	0	N
CASP10	0.146664969	N	3	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
IMPA2	0.146664969	N	0	N
LINC01719	0.146664969	N	0	N
LINC01775	0.146664969	N	0	N
PITPNA-AS1	0.146664969	N	0	N
RCAN2	0.146664969	N	0	N
SLC2A10	0.147798912	N	12	N
CYP46A1	0.150057696	N	1	N
DNMT3B	0.150096604	N	30	N
GLS	0.15136824	N	19	N
MESP2	0.15136824	N	0	N
AC006254.1	0.151503994	N	0	N
AC026401.3	0.151503994	N	0	N
CENPA	0.151503994	N	1	N
EXD2	0.151503994	N	0	N
PCNX1	0.151503994	N	0	N
RAB9A	0.151503994	N	0	N
AC110588.1	0.151577447	N	0	N
AC003984.1	0.152633812	N	0	N
AC004945.1	0.152633812	N	0	N
AC073529.1	0.152633812	N	0	N
AHCYL2	0.152633812	N	3	N
ANO10	0.152633812	N	0	N
DAB2	0.152633812	N	8	N
DNAJC16	0.152633812	N	0	N
EFCAB14	0.152633812	N	0	N
KCNH5	0.152633812	N	0	N
KRI1	0.152633812	N	0	N
MRPL35P3	0.152633812	N	0	N
NEFL	0.152633812	N	2	N
PCDHB18P	0.152633812	N	0	N
PLCXD2	0.152633812	N	0	N
RARRES1	0.152633812	N	2	N
RPL41	0.152633812	N	0	N
SRPK2P	0.152633812	N	0	N
AC048382.6	0.153170247	N	0	N
AC087289.5	0.153170247	N	0	N
ARMC9	0.153170247	N	0	N
BRD9	0.153170247	N	1	N
CDCA3	0.153170247	N	0	N
COL12A1	0.153170247	N	3	N
DIP2B	0.153170247	N	1	N
FNDC3B	0.153170247	N	1	N
GYPC	0.153170247	N	4	N
HK2	0.153170247	N	61	N
MGP	0.153170247	N	18	N
RORC	0.153170247	N	15	N
RPL12P38	0.153170247	N	0	N
SPATA13	0.153170247	N	0	N
HIST1H2APS5	0.153823072	N	0	N
IGFLR1	0.153823072	N	1	N
KIF4B	0.153823072	N	0	N
AFF1	0.15478616	N	1	N
ARHGEF39	0.15478616	N	0	N
NRL	0.15478616	N	18	N
AL450998.1	0.15487767	N	0	N
CKS1B	0.15487767	N	3	N
NEXMIF	0.15487767	N	0	N
ZNF281	0.15487767	N	0	N
ERG	0.155619703	N	79	N
GARS	0.155619703	N	3	N
RBM20	0.155619703	N	3	N
Z93241.1	0.155619703	N	0	N
NUSAP1	0.157616419	N	0	N
AC012485.1	0.15973783	N	0	N
ACOX1	0.15973783	N	43	N
GTSE1	0.15973783	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
KIF2C	0.15973783	N	1	N
MIA3	0.15973783	N	0	N
POT1	0.15973783	N	0	N
PSAT1P3	0.15973783	N	0	N
RACGAP1P	0.15973783	N	0	N
RNF111	0.15973783	N	0	N
MPHOSPH9	0.161345303	N	1	N
CENPF	0.161578979	N	0	N
KRT38	0.161578979	N	0	N
POC1A	0.161578979	N	2	N
PPP1R26-AS1	0.161578979	N	0	N
SLC6A16	0.161578979	N	0	N
FAM83D	0.162685295	N	0	N
KIF22	0.162685295	N	1	N
MTUS2	0.163180979	N	0	N
AC005332.9	0.165960755	N	0	N
KNSTRN	0.165960755	N	0	N
PCDHGA10	0.165960755	N	0	N
TMEM106C	0.166176449	N	0	N
HMGB3	0.166250508	N	1	N
JAZF1-AS1	0.166250508	N	0	N
SNAP25	0.166250508	N	89	N
SNX18	0.166250508	N	0	N
AC092570.2	0.166941842	N	0	N
CDC42BPA	0.167260109	N	1	N
CTTNBP2NL	0.167260109	N	0	N
PODN	0.167260109	N	0	N
ZNF235	0.167260109	N	0	N
COL1A2	0.167468363	N	639	Y
DIRC3	0.167468363	N	0	N
FGF7	0.167468363	N	74	N
GSK3B	0.167468363	N	446	Y
RAET1E	0.167468363	N	0	N
UBE2CP3	0.167468363	N	0	N
ZCCHC7	0.167468363	N	0	N
ZNF471	0.16766337	N	0	N
CCDC80	0.167813974	N	4	N
GREM1	0.167813974	N	4	N
INMT-MINDY4	0.167939094	N	0	N
AC025181.2	0.169512821	N	0	N
AL359237.1	0.169512821	N	0	N
IGSF23	0.169512821	N	0	N
ZSCAN18	0.169512821	N	0	N
EGFEM1P	0.170628851	N	0	N
PIK3C2B	0.170628851	N	4	N
USP4	0.170835927	N	2	N
FAM239A	0.171253402	N	0	N
LPL	0.171253402	N	1000	Y
AC004158.1	0.171350413	N	0	N
AL591122.2	0.171350413	N	0	N
BIRC5	0.171350413	N	74	N
DBF4B	0.171350413	N	0	N
EFCAB11	0.171350413	N	0	N
GXYLT2	0.171350413	N	0	N
OSBPL9P3	0.171350413	N	0	N
RN7SL16P	0.171350413	N	0	N
SNHG10	0.171350413	N	0	N
TMX4	0.171350413	N	0	N
TSC22D3	0.171350413	N	7	N
LINC02275	0.171367688	N	0	N
PHF19	0.171367688	N	0	N
INHBB	0.171573607	N	14	N
RTN4IP1	0.171573607	N	0	N
KIF20A	0.171749755	N	0	N
TOP2A	0.171749755	N	14	N
UBAC2	0.171749755	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
SUPT3H	0.172007735	N	0	N
IL4I1	0.172040922	N	0	N
PIF1	0.172040922	N	0	N
CHRNA10	0.17279443	N	0	N
SPAG5	0.174741847	N	0	N
AC015802.4	0.175331366	N	0	N
SEPT1	0.175885845	N	0	N
AC007114.1	0.175885845	N	0	N
AC026951.1	0.175885845	N	0	N
AC091053.1	0.175885845	N	0	N
AC092279.2	0.175885845	N	0	N
AC097717.1	0.175885845	N	0	N
AC104771.1	0.175885845	N	0	N
AL137145.1	0.175885845	N	0	N
ANLN	0.175885845	N	0	N
AP003469.4	0.175885845	N	0	N
APBB1IP	0.175885845	N	0	N
ASPM	0.175885845	N	1	N
ATRN	0.175885845	N	3	N
B4GALT1	0.175885845	N	5	N
BMPR2	0.175885845	N	37	N
C17orf67	0.175885845	N	0	N
CACHD1	0.175885845	N	0	N
CCDC34	0.175885845	N	0	N
CCDC6	0.175885845	N	2	N
CCL8	0.175885845	N	10	N
CDC25C	0.175885845	N	10	N
CEP192	0.175885845	N	0	N
CHP1	0.175885845	N	1	N
CNTROB	0.175885845	N	0	N
CSMD1	0.175885845	N	4	N
CYP2G1P	0.175885845	N	0	N
DEPDC1	0.175885845	N	0	N
DHFR	0.175885845	N	15	N
DHTKD1	0.175885845	N	5	N
DLGAP5	0.175885845	N	0	N
DNM3OS	0.175885845	N	2	N
EEF1A2	0.175885845	N	5	N
ELP2	0.175885845	N	0	N
ELP5	0.175885845	N	1	N
FUT10	0.175885845	N	0	N
GAS2L3	0.175885845	N	0	N
GEMIN2P1	0.175885845	N	0	N
GFRA1	0.175885845	N	1	N
GID4	0.175885845	N	0	N
HAUS1P2	0.175885845	N	0	N
HMGB1	0.175885845	N	116	Y
HMGB2P1	0.175885845	N	0	N
HSPA4L	0.175885845	N	0	N
IFI44	0.175885845	N	1	N
IL6STP1	0.175885845	N	0	N
ITPR1	0.175885845	N	11	N
KCNJ6	0.175885845	N	3	N
KIDINS220	0.175885845	N	0	N
KIF18A	0.175885845	N	0	N
KLHL30	0.175885845	N	0	N
KMT2C	0.175885845	N	1	N
LINC00607	0.175885845	N	0	N
LINC01151	0.175885845	N	0	N
LINC02035	0.175885845	N	0	N
LMNB2	0.175885845	N	3	N
MALT1	0.175885845	N	2	N
ME1	0.175885845	N	20	N
MERTK	0.175885845	N	9	N
MGAM	0.175885845	N	7	N
MST1L	0.175885845	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
MT1JP	0.175885845	N	0	N
MTA2	0.175885845	N	0	N
MYO1D	0.175885845	N	0	N
MYO6	0.175885845	N	1	N
MZT1P1	0.175885845	N	0	N
NAP1L4	0.175885845	N	2	N
NRP1	0.175885845	N	6	N
P3H2	0.175885845	N	0	N
PARVA	0.175885845	N	1	N
PEAK1	0.175885845	N	0	N
PGRMC1	0.175885845	N	10	N
PLEKHA1	0.175885845	N	5	N
PLEKHA8P1	0.175885845	N	0	N
PLPPR4	0.175885845	N	0	N
PLSCR4	0.175885845	N	2	N
POU5F1P5	0.175885845	N	0	N
PRDM1	0.175885845	N	4	N
PSRC1	0.175885845	N	0	N
PTGS2	0.175885845	N	523	Y
PXDN	0.175885845	N	0	N
RACGAP1	0.175885845	N	0	N
RECK	0.175885845	N	9	N
RHNO1	0.175885845	N	0	N
RN7SL689P	0.175885845	N	0	N
RNMTL1P1	0.175885845	N	0	N
SAPCD2	0.175885845	N	0	N
SCAND2P	0.175885845	N	0	N
SIGLEC15	0.175885845	N	0	N
SLC24A4	0.175885845	N	1	N
SLC30A1	0.175885845	N	7	N
SPC24	0.175885845	N	0	N
TANC1	0.175885845	N	0	N
TCF7L2	0.175885845	N	408	Y
THAP10	0.175885845	N	0	N
TMEM2	0.175885845	N	0	N
TRMT12	0.175885845	N	0	N
TTC17	0.175885845	N	0	N
UBE4B	0.175885845	N	0	N
USP39	0.175885845	N	0	N
WARS	0.175885845	N	60	N
ZDHHC9	0.175885845	N	0	N
ZNF208	0.175885845	N	0	N
GPATCH1	0.176149257	N	0	N
ADAM21	0.176525254	N	0	N
BUB1	0.176525254	N	4	N
C8orf22	0.176525254	N	0	N
CHRD1	0.176525254	N	1	N
CKS2	0.176525254	N	0	N
EOGT	0.176525254	N	0	N
GSE1	0.176525254	N	0	N
PSAT1P1	0.176525254	N	0	N
SEPT7-AS1	0.176525254	N	0	N
AC237221.2	0.176933719	N	0	N
ADAMTS5	0.176933719	N	19	N
AL592293.2	0.176933719	N	0	N
GINS4	0.176933719	N	0	N
HELZ	0.176933719	N	1	N
SH3D19	0.176933719	N	0	N
SHPK	0.176933719	N	0	N
ZKSCAN8	0.176933719	N	0	N
GSTM2P1	0.176964905	N	0	N
AC006213.2	0.177142643	N	0	N
AL662889.1	0.177142643	N	0	N
ARPP21	0.177142643	N	1	N
ASS1P9	0.177142643	N	0	N
AURKA	0.177142643	N	12	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AURKAPS1	0.177142643	N	0	N
CCNB2	0.177142643	N	20	N
CDH11	0.177142643	N	2	N
CEP97	0.177142643	N	0	N
CNOT4	0.177142643	N	0	N
ECT2	0.177142643	N	3	N
FBLN5	0.177142643	N	3	N
FLJ37453	0.177142643	N	0	N
GCH1	0.177142643	N	2	N
GPSM2	0.177142643	N	1	N
GSTM2	0.177142643	N	1	N
HMGB1P24	0.177142643	N	0	N
IL6ST	0.177142643	N	18	N
KIF14	0.177142643	N	1	N
LAMC1	0.177142643	N	4	N
LAMP1	0.177142643	N	10	N
LINC00968	0.177142643	N	0	N
MCEE	0.177142643	N	2	N
MTCO1P12	0.177142643	N	0	N
NACAP1	0.177142643	N	0	N
NEK2	0.177142643	N	3	N
PCDH18	0.177142643	N	0	N
PRSS12	0.177142643	N	0	N
RANP4	0.177142643	N	1	N
S1PR5	0.177142643	N	1	N
SEL1L	0.177142643	N	9	N
SLC27A6	0.177142643	N	5	N
SNTN	0.177142643	N	0	N
TACC3	0.177142643	N	2	N
TBCEL	0.177142643	N	0	N
TRIM59	0.177142643	N	0	N
TTC3P1	0.177142643	N	0	N
UBE2C	0.177142643	N	3	N
UGP2	0.177142643	N	1	N
ZC3H12B	0.177142643	N	0	N
ZNF781	0.177142643	N	0	N
AC068790.9	0.177663203	N	0	N
PDGFA	0.17807214	N	15	N
AC092910.3	0.178129483	N	0	N
ASNS	0.178129483	N	2	N
CAP2	0.178129483	N	2	N
KRT15	0.178129483	N	3	N
PIGPP3	0.178129483	N	0	N
PLPBP	0.178129483	N	0	N
PTTG3P	0.178129483	N	0	N
STAG3	0.178129483	N	1	N
TRAPPC3L	0.179693302	N	0	N
DTWD1	0.18055817	N	0	N
LAS1L	0.180562435	N	0	N
AC004980.1	0.180750216	N	0	N
AC020633.1	0.180750216	N	0	N
ADGRL2	0.180750216	N	0	N
CFAP70	0.180750216	N	0	N
DYM	0.180750216	N	4	N
ANKRD17	0.180827374	N	0	N
ATXN1	0.180908904	N	8	N
CDKN2AIPNLP1	0.181013289	N	0	N
EBLN3P	0.181040259	N	0	N
RHBDD1	0.181159439	N	0	N
THBS2	0.181159439	N	4	N
AC011497.2	0.181518053	N	0	N
AC073046.1	0.181518053	N	0	N
AC107463.1	0.181518053	N	0	N
AL158151.1	0.181518053	N	0	N
BORA	0.181518053	N	39	N
FAM228B	0.181518053	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
MIR99AHG	0.181518053	N	0	N
PDE9A	0.181518053	N	1	N
RNF217	0.181518053	N	0	N
C20orf194	0.181559801	N	0	N
C1orf174	0.181831555	N	0	N
CCNB1	0.182299362	N	89	N
AL359195.2	0.183329964	N	0	N
AP001458.2	0.183582778	N	0	N
EGF	0.183582778	N	1000	Y
KLHL6	0.183582778	N	1	N
RILPL1	0.183582778	N	0	N
CD36	0.183984886	N	808	Y
H2AFV	0.18633501	N	0	N
HYDIN	0.18633501	N	0	N
AC006483.1	0.186473731	N	0	N
FAM162B	0.186473731	N	0	N
AC098679.1	0.186726831	N	0	N
EMC9	0.186726831	N	0	N
ZNF33B	0.187300741	N	0	N
AC005261.4	0.187767955	N	0	N
ANAPC7	0.187767955	N	0	N
ATP8B4	0.187767955	N	1	N
BX890604.1	0.187767955	N	0	N
DPY19L2P2	0.187767955	N	0	N
ESPL1	0.187767955	N	1	N
ITGA11	0.187767955	N	2	N
RAET1E-AS1	0.187767955	N	0	N
TK1	0.187767955	N	0	N
ZBED6	0.188784462	N	13	N
AC145124.1	0.189374659	N	0	N
DDX39A	0.189374659	N	0	N
CHAC1	0.189647045	N	3	N
AP003352.1	0.190168359	N	0	N
BRD8	0.190168359	N	0	N
C8orf88	0.190168359	N	0	N
CCNB2P1	0.190168359	N	0	N
HNRNPH1P3	0.190168359	N	0	N
KIF23	0.190168359	N	0	N
OSBPL2	0.190168359	N	0	N
PXK	0.190168359	N	0	N
RAB38	0.190168359	N	0	N
ZNF582	0.190168359	N	0	N
BUB1B	0.190213117	N	4	N
HAUS1P1	0.191614201	N	0	N
RABEP1	0.191614201	N	0	N
CKAP2	0.191992694	N	0	N
CXorf57	0.191992694	N	0	N
HERC2P10	0.191992694	N	0	N
FLRT2	0.192915971	N	1	N
TIAL1	0.192915971	N	0	N
ABCC13	0.193431619	N	0	N
AC005618.1	0.193431619	N	0	N
AC008555.8	0.193431619	N	0	N
AC022400.8	0.193431619	N	0	N
AGL	0.193431619	N	19	N
AL445472.1	0.193431619	N	0	N
CAMK1	0.193431619	N	6	N
CDKN2D	0.193431619	N	1	N
CENPE	0.193431619	N	0	N
CEP55	0.193431619	N	0	N
CTC-205M6.5	0.193431619	N	0	N
ERV3-1	0.193431619	N	0	N
KNL1	0.193431619	N	0	N
LINC01277	0.193431619	N	0	N
NCOA1	0.193431619	N	19	N
RAB40B	0.193431619	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
SCAF11	0.193431619	N	0	N
SLC31A1	0.193431619	N	5	N
SPPL2A	0.193431619	N	0	N
TCHP	0.193431619	N	0	N
TEX2	0.193431619	N	0	N
TIMM29	0.193431619	N	0	N
ABALON	0.19458519	N	4	N
AC104791.2	0.194652005	N	0	N
CCNI	0.194652005	N	1	N
ABCA1	0.195041854	N	202	Y
AC018766.4	0.195041854	N	0	N
AC106886.4	0.195041854	N	0	N
CDKN2B	0.195041854	N	48	N
COL11A2	0.195041854	N	2	N
DTYMK	0.195041854	N	0	N
FAM219B	0.195041854	N	0	N
FBF1	0.195041854	N	0	N
FLOT1	0.195041854	N	2	N
GABARAP	0.195041854	N	7	N
GCNT3	0.195041854	N	0	N
HRNR	0.195041854	N	0	N
MLH1	0.195041854	N	21	N
PCDH9	0.195041854	N	1	N
RALGAPB	0.195041854	N	1	N
RHOBTB1	0.195041854	N	0	N
STK31	0.195041854	N	0	N
ZMYND10	0.195041854	N	0	N
ZNF25	0.195041854	N	0	N
ZNF697	0.195041854	N	0	N
PLPP3	0.195463287	N	1	N
TSIX	0.195463287	N	0	N
PCDHB14	0.195736536	N	0	N
CHMP1B2P	0.196825716	N	0	N
SAE1	0.196850673	N	0	N
SLC39A2	0.196935456	N	1	N
AC010654.1	0.198470697	N	0	N
AL359510.2	0.198470697	N	0	N
B9D2	0.198470697	N	0	N
CFTR	0.198470697	N	125	Y
PTTG1	0.198470697	N	4	N
RGS11	0.198470697	N	0	N
STON2	0.198470697	N	0	N
THRB-AS1	0.198470697	N	0	N
TTN	0.198470697	N	10	N
GRIA2	0.198668805	N	1	N
TCF21	0.199308013	N	4	N
TMEM87B	0.199424385	N	0	N
HIRIP3	0.199943989	N	0	N
WDR26	0.199943989	N	1	N
AC019080.1	0.201225821	N	0	N
PNRC1	0.201225821	N	0	N
KIF11	0.2013565	N	9	N
USP34	0.2013565	N	0	N
EPHX1	0.201945084	N	48	N
AC010533.1	0.202541269	N	0	N
AC018413.1	0.202541269	N	0	N
AC067838.1	0.202541269	N	0	N
CTNBL1	0.202541269	N	1	N
FRMPD2	0.202541269	N	0	N
FRS2	0.202541269	N	10	N
KPNA2P1	0.202541269	N	0	N
LINC01933	0.202541269	N	0	N
MAP1LC3C	0.202541269	N	0	N
NOL12	0.202541269	N	0	N
PLEKHM3	0.202541269	N	0	N
SEC24D	0.202541269	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
SNRPD3	0.202541269	N	0	N
ST3GAL6	0.202541269	N	1	N
TULP4	0.202541269	N	0	N
USP53	0.202541269	N	1	N
VPS13B	0.202541269	N	1	N
WDR87	0.202541269	N	0	N
ZNF83	0.202541269	N	0	N
EFCAB6	0.202613616	N	0	N
AC007495.1	0.202943516	N	0	N
AC013652.1	0.202943516	N	0	N
AC016705.2	0.202943516	N	0	N
DARS2	0.202943516	N	0	N
G2E3	0.202943516	N	0	N
GLOD4	0.202943516	N	0	N
NUP88	0.202943516	N	0	N
OIP5	0.202943516	N	0	N
PDLIM3	0.202943516	N	1	N
PPIL1P1	0.202943516	N	0	N
PPP1R15B	0.202943516	N	3	N
RABGAP1L	0.202943516	N	0	N
SLC2A3P2	0.202943516	N	0	N
TBX19	0.202943516	N	2	N
TMEM107	0.202943516	N	0	N
TMEM260	0.202943516	N	0	N
ADM5	0.203853769	N	0	N
RBBP7	0.203953179	N	1	N
CTD-2554C21.3	0.204222877	N	0	N
LDB2	0.204222877	N	4	N
RMI2	0.204222877	N	1	N
KIF4A	0.204414225	N	2	N
AC091607.1	0.204568314	N	0	N
AL121768.1	0.204568314	N	0	N
ARIH1	0.204568314	N	1	N
ERBB3	0.204568314	N	77	N
LRRC75A	0.204568314	N	0	N
SP6	0.204568314	N	16	N
ZMAT3	0.204568314	N	0	N
COA1	0.204713357	N	0	N
AC005899.7	0.204862706	N	0	N
AL162231.2	0.204862706	N	0	N
AMIGO1	0.204862706	N	0	N
ATP2A1-AS1	0.204862706	N	0	N
C19orf12	0.204862706	N	0	N
CACNA1D	0.204862706	N	20	N
CPD	0.204862706	N	71	N
CTIF	0.204862706	N	1	N
LMLN	0.204862706	N	0	N
NIF3L1	0.204862706	N	0	N
PARPBP	0.204862706	N	0	N
TAB2	0.204862706	N	3	N
UBL7-AS1	0.204862706	N	0	N
ZNF204P	0.204862706	N	0	N
AC008536.3	0.205139543	N	0	N
DCAF10	0.205139543	N	0	N
MEA1	0.205139543	N	0	N
ZC3H11A	0.205420904	N	3	N
DENND4A	0.206030137	N	0	N
EFNB3	0.206787686	N	2	N
PCDHGA2	0.206787686	N	0	N
AC006971.1	0.207522397	N	0	N
ZNF571	0.207522397	N	0	N
SEC24B	0.207570102	N	0	N
ANGPT1	0.207776347	N	24	N
NFASC	0.207977823	N	2	N
TMED10	0.208180597	N	1	N
ZKSCAN5	0.208525426	N	1	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
MRPL51	0.208695751	N	0	N
KLRG2	0.209032345	N	0	N
AMPH	0.209632128	N	16	N
CACNA1C	0.209632128	N	20	N
CWF19L1	0.209632128	N	0	N
DUSP15	0.209632128	N	0	N
HADHB	0.209632128	N	8	N
LIN28B	0.209632128	N	16	N
PLCH2	0.209632128	N	0	N
SCARB2	0.209632128	N	2	N
TMEM237	0.209632128	N	0	N
LINC01503	0.209632552	N	0	N
NCAPD2P1	0.209632552	N	0	N
SERP1	0.209632552	N	1	N
AC046134.1	0.21015572	N	0	N
AC078850.1	0.21015572	N	0	N
AL591895.1	0.21015572	N	0	N
DEPDC1B	0.21015572	N	0	N
EXOC6B	0.21015572	N	1	N
ZFP2	0.21015572	N	0	N
ZNF18	0.21015572	N	0	N
ZNF398	0.21015572	N	0	N
AC005562.1	0.210405025	N	0	N
LINC00202-1	0.210405025	N	0	N
TCAF1	0.210405025	N	0	N
CENPX	0.210980193	N	1	N
SLC25A5-AS1	0.210980193	N	0	N
UHRF1BP1	0.210980193	N	1	N
AL592437.2	0.211226626	N	0	N
GNA14	0.211226626	N	0	N
KIF20B	0.211226626	N	2	N
MAP4	0.211226626	N	2	N
ZNF383	0.211226626	N	0	N
RNF103	0.211269402	N	0	N
ADAM20	0.211520712	N	0	N
CLN5	0.211520712	N	1	N
EIF3F	0.211520712	N	2	N
LTK	0.211520712	N	21	N
PEX12	0.211520712	N	0	N
SLITRK6	0.211520712	N	0	N
TROAP	0.211520712	N	0	N
AC010200.1	0.211584261	N	0	N
SSH2	0.211584261	N	0	N
PURA	0.212093823	N	5	N
SLC22A18AS	0.212093823	N	0	N
PARD3B	0.21228531	N	0	N
RPS4XP13	0.21228531	N	0	N
SIRPA	0.21228531	N	21	N
AC005261.1	0.212565141	N	0	N
ACVR1	0.212565141	N	1	N
MXI1	0.212565141	N	2	N
PRDM2	0.212565141	N	3	N
PRPS2	0.212565141	N	0	N
SERBP1P1	0.212565141	N	0	N
WASF1	0.212565141	N	2	N
HERC1	0.212927886	N	0	N
C12orf43	0.213083978	N	0	N
COG3	0.213083978	N	0	N
CPXM2	0.213083978	N	1	N
LL22NC03-22D1.1	0.213083978	N	0	N
MTMR3	0.213083978	N	0	N
PAX8	0.213083978	N	24	N
PLXDC2	0.213083978	N	1	N
TPX2	0.213083978	N	5	N
USP18	0.213083978	N	6	N
ZNHIT6	0.213083978	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC104825.2	0.213103817	N	0	N
CDRT4	0.213103817	N	0	N
FMO2	0.213103817	N	9	N
MIS18BP1	0.213103817	N	0	N
NBDY	0.213103817	N	0	N
NCAPD2	0.213103817	N	0	N
NPIPB2	0.213103817	N	0	N
PLPPR1	0.213103817	N	0	N
AC073857.1	0.213145671	N	0	N
AC125437.1	0.213145671	N	0	N
SETD7	0.213145671	N	3	N
AC239809.3	0.214031604	N	0	N
TMPOP2	0.214125741	N	0	N
AC097381.1	0.214182118	N	0	N
AC117489.1	0.214182118	N	0	N
AL132777.1	0.214182118	N	0	N
AP001094.2	0.214182118	N	0	N
CNTRL	0.214182118	N	2	N
DBF4	0.214182118	N	1	N
DPY19L2	0.214182118	N	0	N
KPNA2	0.214182118	N	2	N
NDC80	0.214182118	N	1	N
PFKFB2	0.214182118	N	8	N
SERPINB7	0.214182118	N	2	N
SH3GLB1	0.214182118	N	1	N
TMEM121B	0.214182118	N	0	N
TTK	0.214182118	N	12	N
ZNF177	0.214182118	N	0	N
AC005911.1	0.214780987	N	0	N
AL139130.1	0.214780987	N	0	N
ANP32E	0.214780987	N	0	N
CDNF	0.214780987	N	0	N
EEF1A1	0.214780987	N	7	N
GPR155	0.214780987	N	1	N
LATS1	0.214780987	N	5	N
LINC01847	0.214780987	N	0	N
NMRK1	0.214780987	N	2	N
PLCB1	0.214780987	N	18	N
RND3	0.214780987	N	6	N
TBC1D3P5	0.214780987	N	0	N
TDP1	0.214780987	N	0	N
TFCP2L1	0.214780987	N	0	N
ZFYVE9P1	0.214780987	N	0	N
ZNF192P1	0.214780987	N	0	N
ZNF846	0.214780987	N	0	N
AC093677.2	0.215118744	N	0	N
PSMC3	0.215258975	N	0	N
SRSF8	0.215258975	N	0	N
AC091544.3	0.21531195	N	0	N
SSBP2	0.21531195	N	0	N
LINC01224	0.215419874	N	0	N
AARS2	0.215564248	N	0	N
AL121985.1	0.215564248	N	0	N
CCDC18	0.215564248	N	0	N
DCX	0.215564248	N	25	N
ITGB1BP1	0.215564248	N	1	N
KDM1B	0.215564248	N	1	N
KIFAP3	0.215564248	N	1	N
NAV2-AS2	0.215564248	N	0	N
SMC4	0.215564248	N	0	N
TMEM74	0.215564248	N	0	N
WIPF1	0.215564248	N	1	N
ERBIN	0.215666621	N	0	N
TLE4	0.215666621	N	2	N
COL19A1	0.216019646	N	0	N
GATS	0.216103373	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
TFDP2	0.216103373	N	1	N
TMEM39A	0.216103373	N	0	N
SLC35E1	0.216164737	N	0	N
SBF2-AS1	0.216195239	N	0	N
AC009704.2	0.216355586	N	0	N
CECR2	0.217007361	N	0	N
PDAP1	0.217207235	N	1	N
AL137159.1	0.217514978	N	0	N
CENPL	0.217514978	N	0	N
FBNP1L	0.217514978	N	1	N
LRP6	0.217514978	N	28	N
NSL1	0.217514978	N	0	N
SPATA9	0.217514978	N	0	N
SMC2	0.217621026	N	0	N
CYYR1-AS1	0.217839766	N	0	N
GABBR2	0.217839766	N	1	N
HCG17	0.217839766	N	0	N
KLF3	0.217839766	N	3	N
MAP1LC3B	0.217839766	N	13	N
PAPPA	0.217839766	N	41	N
THRB	0.217839766	N	8	N
ZNF830	0.217839766	N	0	N
CCSER2	0.218175007	N	0	N
NCAPG2	0.218175007	N	0	N
REV3L	0.218175007	N	0	N
CCDC68	0.218353651	N	0	N
EPAS1	0.218353651	N	6	N
PCDHB12	0.218353651	N	0	N
DHX9	0.218479636	N	1	N
PARP6	0.219425203	N	0	N
PDK4	0.219425203	N	182	Y
AC008764.9	0.219541179	N	0	N
PTH2R	0.219541179	N	0	N
RPSA	0.219541179	N	1	N
AC004066.1	0.219718692	N	0	N
AL132640.2	0.219718692	N	0	N
NSD2	0.219718692	N	2	N
AL356000.1	0.220394845	N	0	N
BABAM2	0.220394845	N	0	N
CASC10	0.220394845	N	0	N
KIF15	0.220394845	N	0	N
RPS6KA1	0.220394845	N	82	N
AC009754.1	0.220675477	N	0	N
PBK	0.220971614	N	10	N
LRTOMT	0.221203361	N	0	N
AC005865.1	0.22126955	N	0	N
MARCH9	0.2213454	N	0	N
AC018639.1	0.2213454	N	0	N
AL135999.1	0.2213454	N	0	N
PROCA1	0.2213454	N	0	N
KIAA1958	0.222459331	N	0	N
WFS1	0.222459331	N	102	Y
AL136309.2	0.222796139	N	0	N
AL731532.2	0.222796139	N	0	N
CACYBP	0.222796139	N	0	N
CCNF	0.222796139	N	2	N
CDKN3	0.222796139	N	1	N
ITGB8	0.222796139	N	0	N
PRCP	0.222796139	N	4	N
PRPF38AP1	0.222796139	N	0	N
RCOR3	0.222796139	N	0	N
RNF150	0.222796139	N	0	N
SNRNP35	0.222796139	N	0	N
TRMT112	0.222796139	N	1	N
TRMU	0.222796139	N	0	N
JMY	0.222940779	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
TRNAU1AP	0.223021911	N	0	N
PPP2R2B	0.223174386	N	1	N
SAPCD2P1	0.223174386	N	0	N
AL117339.4	0.223325988	N	0	N
ZNF652P1	0.223325988	N	0	N
SNHG14	0.223462369	N	0	N
GUSBP5	0.223525629	N	0	N
HIPK3	0.223525629	N	4	N
PRR11	0.223525629	N	0	N
SHCBP1	0.223525629	N	0	N
ZNF576	0.223525629	N	0	N
MLLT3	0.223567913	N	1	N
AC012467.2	0.223974531	N	0	N
CEP152	0.223974531	N	1	N
NDC1	0.223974531	N	0	N
PIH1D1	0.223974531	N	0	N
PXMP4	0.223974531	N	0	N
RBMS1P1	0.223974531	N	0	N
SLC25A27	0.223974531	N	5	N
ABCA5	0.224088221	N	0	N
AC007751.1	0.224088221	N	0	N
AC011632.1	0.224088221	N	0	N
EFR3A	0.224088221	N	0	N
EYA2	0.224088221	N	1	N
FCRLB	0.224088221	N	0	N
KCNJ12	0.224088221	N	0	N
PSD3	0.224088221	N	0	N
RBMS1	0.224088221	N	3	N
TMPO	0.224088221	N	13	N
TTF2	0.224088221	N	1	N
UBE2E2	0.224088221	N	6	N
XPO1	0.224088221	N	3	N
ZNF610	0.224088221	N	0	N
AC007998.4	0.22521498	N	0	N
ALPK2	0.22521498	N	2	N
FBXO9	0.22521498	N	0	N
TRIM16	0.22521498	N	1	N
C6orf89	0.225814113	N	0	N
EIF4A1P4	0.225814113	N	0	N
PGRMC2	0.225814113	N	1	N
RFTN1	0.225814113	N	0	N
SEMA5A	0.225814113	N	0	N
TIMELESS	0.225814113	N	3	N
AP002469.2	0.226599346	N	0	N
AC090912.1	0.22676587	N	0	N
UBE2CP4	0.226872122	N	0	N
AC048351.1	0.226889664	N	0	N
ATP10D	0.226889664	N	3	N
ATP2A2	0.226889664	N	34	N
DHPS	0.226889664	N	4	N
IGIP	0.226889664	N	4	N
KANK1P1	0.226889664	N	0	N
LINC00958	0.226889664	N	0	N
NUDT3	0.226889664	N	3	N
NUF2	0.226889664	N	0	N
RAB22A	0.226889664	N	0	N
SCARA3	0.226889664	N	0	N
SDHAP1	0.226889664	N	0	N
TOX4	0.226889664	N	0	N
TLDC2	0.227739481	N	0	N
AC124312.1	0.227829842	N	0	N
AL731563.3	0.227829842	N	0	N
CTD-2328D6.1	0.227829842	N	0	N
HJURP	0.227829842	N	0	N
MICALCL	0.227829842	N	0	N
PRICKLE2	0.227829842	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
ZNF554	0.227829842	N	0	N
AC097263.1	0.228287382	N	0	N
ASH2L	0.228287382	N	0	N
RNASEH2A	0.228287382	N	1	N
USP9X	0.228287382	N	5	N
PKHD1	0.229080548	N	10	N
CEP44	0.229464815	N	0	N
IL6R	0.23040386	N	23	N
HMMR	0.230447678	N	0	N
MASTL	0.230447678	N	1	N
PTPRG	0.231142688	N	3	N
NPIP8	0.231530088	N	0	N
CCNA2	0.231626866	N	38	N
KDM7A	0.231626866	N	0	N
LRRC15	0.232273852	N	1	N
RNF170	0.232317282	N	0	N
CHD9	0.23298067	N	0	N
CNTNAP2	0.23298067	N	0	N
CPEB2-AS1	0.23298067	N	0	N
FOXJ3	0.23298067	N	0	N
LINC00578	0.23298067	N	0	N
LPCAT1	0.23298067	N	0	N
SMG6-IT1	0.23298067	N	0	N
TBC1D2B	0.23298067	N	1	N
ZFYVE9	0.23298067	N	1	N
ZNF287	0.23298067	N	0	N
MAD2L2	0.233364965	N	1	N
ABHD11	0.23353032	N	0	N
ARHGAP33	0.23353032	N	1	N
ARHGAP5-AS1	0.23353032	N	0	N
TRIM6	0.23353032	N	0	N
MARCH8	0.233577999	N	2	N
AL953862.2	0.233577999	N	0	N
BBS9	0.233577999	N	0	N
FAAP24	0.233577999	N	0	N
GPR62	0.233577999	N	0	N
HIST1H1A	0.233577999	N	0	N
MBD5	0.233577999	N	1	N
NEK4	0.233577999	N	0	N
PTH1R	0.233577999	N	12	N
VANGL1	0.233577999	N	2	N
CDK1	0.233590779	N	41	N
AL591135.1	0.23370063	N	0	N
AP002373.2	0.23370063	N	0	N
ARHGAP19	0.23370063	N	0	N
ARHGAP21	0.23370063	N	5	N
CDKN2C	0.23370063	N	17	N
CENPM	0.23370063	N	0	N
CPSF3	0.23370063	N	0	N
HSD17B2	0.23370063	N	9	N
TTC36	0.23370063	N	0	N
UBAC1	0.23370063	N	0	N
WDR34	0.23370063	N	0	N
PCDHGA9	0.234169246	N	0	N
FBN1	0.234946747	N	13	N
MRPS11P1	0.234946747	N	0	N
PPP2R5D	0.234946747	N	1	N
RHOH	0.234946747	N	0	N
TTC3	0.234946747	N	0	N
ZNF234	0.234946747	N	0	N
PCDHGB3	0.235176438	N	0	N
CIART	0.235922567	N	1	N
CMTM4	0.235922567	N	0	N
GGA2	0.235922567	N	4	N
N4BP2L2-IT2	0.235922567	N	0	N
NCAPH	0.235922567	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
NDFIP1	0.235922567	N	2	N
PPIH	0.235922567	N	0	N
RANP8	0.235922567	N	0	N
SART3	0.235922567	N	0	N
CDC20	0.236094572	N	5	N
CTNNA3	0.236094572	N	3	N
DDX55P1	0.236094572	N	0	N
HEATR5A	0.236094572	N	0	N
LINC00663	0.236094572	N	0	N
RPL39L	0.236094572	N	0	N
CDCA2	0.237704733	N	1	N
CKB	0.237704733	N	5	N
CYP4X1	0.237704733	N	0	N
MASP1	0.237704733	N	3	N
NNMT	0.237704733	N	11	N
ST5	0.237704733	N	10	N
UQCC2	0.237704733	N	0	N
AC073476.3	0.238880017	N	0	N
CDK2	0.238880017	N	113	Y
NBEAP1	0.238880017	N	0	N
PACSIN2	0.238880017	N	0	N
S1PR3	0.238880017	N	6	N
SEC16B	0.238880017	N	4	N
SLC22A4	0.238880017	N	3	N
SLC39A9	0.238880017	N	0	N
XPC	0.238880017	N	5	N
YBEY	0.238880017	N	0	N
NES	0.239198078	N	155	Y
KIAA1524	0.239594099	N	0	N
AC116447.1	0.240541116	N	0	N
GRN	0.240541116	N	52	N
C6orf62	0.240768452	N	0	N
LMCD1	0.241062763	N	2	N
TLE3	0.241062763	N	9	N
SCLT1	0.241177274	N	0	N
SERINC3	0.241666078	N	0	N
NEK10	0.241701817	N	0	N
AC018445.4	0.241989946	N	0	N
ANGEL1	0.242227741	N	0	N
ATM	0.242227741	N	266	Y
EPB41	0.242227741	N	2	N
TMEM184C	0.242227741	N	0	N
AC069499.1	0.242264557	N	0	N
FAXDC2	0.242584184	N	0	N
DLEU2L	0.243064902	N	0	N
MSL1	0.243064902	N	0	N
DNAJC17	0.243068237	N	0	N
IL16	0.243212621	N	11	N
KRT86	0.243212621	N	0	N
AP003486.1	0.243544963	N	0	N
CNTN5	0.243544963	N	0	N
CSRNP2	0.243544963	N	0	N
RCAN1	0.243544963	N	11	N
SLC38A2	0.243544963	N	22	N
SPRY1	0.243544963	N	4	N
ADAM12	0.244047816	N	23	N
HYLS1	0.244265058	N	0	N
PAM	0.244265058	N	83	N
PWAR6	0.244265058	N	0	N
TRIP13	0.244265058	N	1	N
CHMP7	0.244566082	N	1	N
CENPS-CORT	0.244794941	N	0	N
AC010306.1	0.244958996	N	0	N
MRAS	0.244958996	N	7	N
TMEM167B	0.244958996	N	0	N
AC005837.1	0.245052035	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
COL4A3BP	0.245242156	N	1	N
AC092675.1	0.245867023	N	0	N
AL161911.1	0.245867023	N	0	N
PDGFRB	0.245867023	N	351	Y
SRSF7	0.245867023	N	0	N
VWA1	0.245867023	N	0	N
PXDC1	0.246129518	N	0	N
LRRC20	0.24697344	N	0	N
TMEM238	0.24697344	N	0	N
AC026790.1	0.248195588	N	0	N
SPARC	0.248613717	N	93	N
SF3A3	0.248962482	N	0	N
AC009533.1	0.249407494	N	0	N
AC103988.2	0.249407494	N	0	N
AL358942.1	0.249407494	N	0	N
CCDC170	0.249407494	N	0	N
CPQ	0.249407494	N	2	N
GTF2H4	0.249407494	N	0	N
HAUS8	0.249407494	N	0	N
JAKMIP3	0.249407494	N	0	N
KIZ	0.249407494	N	7	N
SUSD6	0.249407494	N	0	N
NEURL1	0.249532446	N	0	N
LINC00115	0.249738269	N	0	N
AC104083.1	0.249750944	N	0	N
ATP6AP2	0.249750944	N	9	N
LINC00670	0.249750944	N	0	N
MAP1A	0.249750944	N	4	N
MEX3C	0.249750944	N	2	N
PLA2R1	0.249750944	N	0	N
PSMD9	0.249750944	N	11	N
RFTN2	0.249750944	N	0	N
ZNF502	0.249750944	N	0	N
ZNF516	0.249750944	N	0	N
ZNF540	0.249750944	N	0	N
AC007566.1	0.25001432	N	0	N
SLC2A12	0.25001432	N	20	N
INTS4	0.25023131	N	0	N
CKAP5	0.250333944	N	1	N
HBG2	0.250461407	N	0	N
KCTD7	0.250461407	N	0	N
MELK	0.250461407	N	5	N
NBEA	0.250461407	N	1	N
SLC11A2	0.250461407	N	3	N
CIDEB	0.250556756	N	9	N
RN7SL242P	0.250629549	N	0	N
STAT2	0.251725956	N	11	N
TNS3	0.251964789	N	1	N
AP001160.2	0.252202289	N	0	N
CEP164	0.252202289	N	0	N
CGNL1	0.252202289	N	0	N
ZNF233	0.252202289	N	0	N
ZNF511	0.252202289	N	0	N
ATP5A1P2	0.252398038	N	0	N
TM4SF20	0.252398038	N	0	N
TVP23BP2	0.252398038	N	0	N
SUPT16H	0.25282142	N	0	N
AC022211.2	0.253053422	N	0	N
AC104115.1	0.253053422	N	0	N
ATF7IP	0.253053422	N	0	N
BIN3	0.253053422	N	0	N
C18orf25	0.253053422	N	0	N
CLIP4	0.253053422	N	0	N
DSEL	0.253053422	N	1	N
EIF4G3	0.253053422	N	0	N
FGF11	0.253053422	N	1	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
LMNB1	0.253053422	N	1	N
MXD1	0.253053422	N	4	N
OASL	0.253053422	N	1	N
RALA	0.253053422	N	28	N
RP11-701H24.8	0.253053422	N	0	N
SLC25A23	0.253053422	N	0	N
SLC9A7	0.253053422	N	0	N
SNRPA1	0.253053422	N	0	N
SNRPG	0.253053422	N	0	N
SS18	0.253113801	N	4	N
SMIM4	0.253411345	N	0	N
DCAF6	0.25404482	N	0	N
FOXE1	0.25404482	N	4	N
HNRNPRP1	0.25404482	N	0	N
JAZF1	0.25404482	N	29	N
LMF1	0.25404482	N	4	N
MSH5-SAPCD1	0.25404482	N	0	N
PAK2	0.25404482	N	9	N
PPP4R1	0.25404482	N	0	N
RNPC3	0.25404482	N	1	N
ROBO1	0.25404482	N	3	N
SAMD4A	0.25404482	N	1	N
SNRNP40	0.25404482	N	0	N
TIGD4	0.25404482	N	0	N
UBE2CP1	0.25404482	N	0	N
ANGPTL4	0.254251792	N	101	Y
FGF16	0.254894221	N	3	N
CCDC12	0.255007799	N	0	N
GPC2	0.255032388	N	0	N
NUDT1	0.255032388	N	0	N
SLC5A2	0.255032388	N	218	Y
XIST	0.255032388	N	13	N
LINC02015	0.255634522	N	0	N
ZNF224	0.255634522	N	0	N
AC107021.2	0.256039458	N	0	N
ACTL6A	0.256039458	N	0	N
LINC01094	0.256039458	N	0	N
OMD	0.256039458	N	2	N
RARRES2	0.256039458	N	18	N
SFR1	0.256039458	N	0	N
SPAG17	0.256039458	N	0	N
TXNRD3	0.256039458	N	0	N
AC048341.2	0.256096693	N	0	N
TOGARAM1	0.256096693	N	0	N
STMN1	0.256272099	N	8	N
AC253536.3	0.25649767	N	0	N
ADAMTSL2	0.25649767	N	0	N
AL078590.3	0.25649767	N	0	N
C16orf95	0.25649767	N	0	N
CAMLG	0.25649767	N	0	N
DENND1B	0.25649767	N	1	N
ELAVL2	0.25649767	N	0	N
PCNT	0.25649767	N	8	N
PTPN14	0.25649767	N	0	N
RBM15	0.25649767	N	0	N
ZNF570	0.25649767	N	0	N
AC016590.3	0.257182524	N	0	N
AC010894.1	0.257370979	N	0	N
AC104785.1	0.257370979	N	0	N
AF127577.4	0.257370979	N	0	N
AP006623.1	0.257370979	N	0	N
BBS1	0.257370979	N	6	N
HECW1	0.257370979	N	0	N
NFIL3	0.257370979	N	12	N
SNRPF	0.257370979	N	32	N
SWI5	0.257370979	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC010457.1	0.257493858	N	0	N
AL139241.1	0.257493858	N	0	N
CSNK1G3	0.257493858	N	0	N
H2AFX	0.257493858	N	1	N
PTPN21	0.257493858	N	0	N
SCAI	0.257493858	N	7	N
TP63	0.257493858	N	15	N
TSC1	0.257493858	N	147	Y
KDM5B	0.257861124	N	2	N
SV2C	0.257959366	N	1	N
ZNF322	0.257959366	N	0	N
DOK6	0.25821848	N	0	N
ANKRD39	0.258777223	N	0	N
BUB3P1	0.258777223	N	0	N
GAN	0.258777223	N	535	Y
TUBG2	0.258777223	N	0	N
ADAMTS16	0.258824392	N	1	N
COG6	0.258824392	N	0	N
LBH	0.258824392	N	1	N
MOV10L1	0.258824392	N	0	N
TMEM248	0.258824392	N	0	N
AIG1	0.259175539	N	0	N
DIP2C	0.259175539	N	0	N
TANK	0.259175539	N	74	N
WDR62	0.259175539	N	1	N
ITIH5	0.259360354	N	0	N
AC002429.2	0.259502673	N	0	N
TTPAL	0.259502673	N	0	N
SEC31A	0.259573691	N	1	N
AC021231.2	0.259644725	N	0	N
AC023283.1	0.260080036	N	0	N
AC092757.2	0.260080036	N	0	N
AC138470.1	0.260080036	N	0	N
BBS12	0.260080036	N	1	N
C1orf112	0.260080036	N	0	N
DCPS	0.260080036	N	0	N
GABRP	0.260080036	N	0	N
ILF2P1	0.260080036	N	0	N
PHF21A	0.260080036	N	0	N
PHF7	0.260080036	N	0	N
POP4	0.260080036	N	1	N
RASSF2	0.260080036	N	3	N
SRP9P1	0.260080036	N	0	N
TTC39C	0.260080036	N	0	N
USP46-AS1	0.260080036	N	0	N
VANGL2	0.260080036	N	1	N
ZNF155	0.260080036	N	0	N
ZNF419	0.260080036	N	1	N
AC048344.4	0.260459986	N	0	N
C7orf49	0.260523017	N	0	N
FBXO39	0.260523017	N	0	N
BTBD9	0.260835264	N	0	N
MAPRE3	0.260835264	N	0	N
PAQR9	0.260835264	N	0	N
PHOSPHO2	0.260835264	N	0	N
UBE2SP1	0.260835264	N	0	N
GLE1	0.261125658	N	0	N
BDH2	0.261232189	N	1	N
GRIN2D	0.261232189	N	0	N
SLC25A5P2	0.261232189	N	0	N
MGC27382	0.26132335	N	0	N
AL078595.1	0.261397969	N	0	N
PCDHAC1	0.261397969	N	0	N
ROR2	0.261397969	N	7	N
AP000781.2	0.261415252	N	0	N
TGFB3	0.261415252	N	94	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
TRAPPC4	0.261415252	N	0	N
ZMYM5	0.261415252	N	0	N
AL135744.1	0.261498175	N	0	N
ATP9B	0.261498175	N	0	N
MANF	0.261498175	N	10	N
RNF5	0.261498175	N	0	N
LBR	0.261797158	N	2	N
TRIM61	0.26211793	N	0	N
ABCB5	0.262641977	N	0	N
DIAPH3	0.262683935	N	0	N
GYPE	0.262683935	N	0	N
SGO1	0.262683935	N	1	N
AC009108.4	0.26280641	N	0	N
AC046195.1	0.26280641	N	0	N
AC110597.1	0.26280641	N	0	N
AL391684.1	0.26280641	N	0	N
C5orf34	0.26280641	N	0	N
CENPW	0.26280641	N	0	N
CNGB3	0.26280641	N	1	N
ERN1	0.26280641	N	67	N
FANCG	0.26280641	N	0	N
FYN	0.26280641	N	72	N
IST1	0.26280641	N	0	N
MEF2AP1	0.26280641	N	0	N
POPDC2	0.26280641	N	0	N
RNF216	0.26280641	N	0	N
UBE2S	0.26280641	N	0	N
NATD1	0.263007569	N	0	N
GPR137B	0.263608046	N	0	N
AC011242.1	0.263890066	N	0	N
AC084251.1	0.263890066	N	0	N
OSBPL9	0.263890066	N	0	N
MAD2L1	0.263949508	N	3	N
AC069120.2	0.263964415	N	0	N
NT5E	0.264104302	N	6	N
AL669831.1	0.264212382	N	0	N
AL928654.4	0.264552487	N	0	N
GCC2	0.264552487	N	0	N
IGFBP2	0.264552487	N	363	Y
SH3PXD2A	0.264552487	N	0	N
AC010127.1	0.2647905	N	0	N
AL591623.1	0.2647905	N	0	N
CLASP1	0.2647905	N	0	N
CYTL1	0.2647905	N	3	N
ERAP1	0.2647905	N	11	N
GNS	0.2647905	N	8	N
HPDL	0.2647905	N	3	N
IFNGR1	0.2647905	N	3	N
RNF169	0.2647905	N	0	N
ZNF664	0.2647905	N	1	N
RAPGEF2	0.264993764	N	2	N
C15orf62	0.265550943	N	0	N
FBF1	0.265550943	N	0	N
RANBP1	0.265550943	N	0	N
RBFADN	0.265550943	N	0	N
ZNF253	0.265550943	N	0	N
ZSCAN32	0.265550943	N	0	N
AC016590.2	0.265870695	N	0	N
AC068790.7	0.265870695	N	0	N
AC243829.1	0.265870695	N	0	N
AP003419.3	0.265870695	N	0	N
C4BPB	0.265870695	N	0	N
CCDC61	0.265870695	N	0	N
EIF4B	0.265870695	N	18	N
ELOVL2	0.265870695	N	10	N
GBP1P1	0.265870695	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
GEMIN6	0.265870695	N	0	N
KIF13A	0.265870695	N	0	N
NDE1	0.265870695	N	1	N
PRDX6	0.265870695	N	13	N
RANBP9	0.265870695	N	0	N
RP11-248J23.6	0.265870695	N	0	N
SHC2	0.265870695	N	1	N
SPAG5-AS1	0.265870695	N	0	N
TAS2R4	0.265870695	N	0	N
TNFRSF19	0.265870695	N	0	N
TRIM16L	0.265870695	N	0	N
YPEL2	0.265870695	N	0	N
AC020604.1	0.265955051	N	0	N
AC109992.1	0.265955051	N	0	N
AFG3L1P	0.265955051	N	0	N
ALDH2	0.265955051	N	30	N
DUTP5	0.265955051	N	0	N
ERMAP	0.265955051	N	0	N
EYA4	0.265955051	N	0	N
FANCI	0.265955051	N	1	N
HMBS	0.265955051	N	0	N
LINC00939	0.265955051	N	0	N
NDRG2	0.265955051	N	5	N
OSMR	0.265955051	N	7	N
PHC3	0.265955051	N	0	N
RGL1	0.265955051	N	0	N
SLC22A2	0.265955051	N	12	N
TEC	0.265955051	N	62	N
UBE2T	0.266222868	N	0	N
WDFY3	0.266326043	N	0	N
AL139339.1	0.266533062	N	0	N
AL358075.4	0.266638941	N	0	N
CCDC137	0.266638941	N	0	N
CDC27P2	0.266638941	N	0	N
RBM8B	0.266638941	N	0	N
UBXN11	0.266638941	N	0	N
SLAIN1	0.266844747	N	0	N
ADM2	0.2668684	N	3	N
DRAM2	0.266960965	N	0	N
IPMK	0.266960965	N	5	N
PAX5	0.266960965	N	5	N
RPL13P5	0.266960965	N	0	N
ZKSCAN1	0.266960965	N	0	N
LMBRD1	0.267571423	N	2	N
AL035398.1	0.267778684	N	0	N
SHTN1	0.267778684	N	0	N
BTF3P8	0.267838924	N	0	N
MIS18A	0.267838924	N	1	N
RPS4XP5	0.267838924	N	0	N
C16orf72	0.267999139	N	0	N
GLDN	0.267999139	N	0	N
AC009086.2	0.268083479	N	0	N
AC011939.2	0.268083479	N	0	N
AC239800.2	0.268083479	N	0	N
AL353705.4	0.268083479	N	0	N
AL365181.2	0.268083479	N	0	N
AP003040.1	0.268083479	N	0	N
BANF1	0.268083479	N	2	N
CCND2	0.268083479	N	60	N
CDH13	0.268083479	N	16	N
DNAJC7	0.268083479	N	0	N
EFNB2	0.268083479	N	3	N
EIF4A2P3	0.268083479	N	0	N
EME1	0.268083479	N	0	N
FBXW8	0.268083479	N	7	N
FMNL2	0.268083479	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
HAUS4P1	0.268083479	N	0	N
MRPS18B	0.268083479	N	0	N
PCLAF	0.268083479	N	0	N
PLA2G5	0.268083479	N	2	N
POPDC3	0.268083479	N	0	N
SEPT14P12	0.268083479	N	0	N
SGO2	0.268083479	N	0	N
SPATA6	0.268083479	N	0	N
ZDBF2	0.268083479	N	0	N
ZFYVE1	0.268083479	N	1	N
SLF2	0.268087634	N	0	N
CDKN2AIPNL	0.268371877	N	0	N
OLFML2A	0.268833187	N	0	N
AC005062.1	0.268998761	N	0	N
AC008764.6	0.268998761	N	0	N
AC012676.1	0.268998761	N	0	N
AC025165.5	0.268998761	N	0	N
AC073439.1	0.268998761	N	0	N
AC139451.1	0.268998761	N	0	N
AP003057.1	0.268998761	N	0	N
BIVM	0.268998761	N	0	N
CCDC150	0.268998761	N	0	N
CDK18	0.268998761	N	2	N
CXCL2	0.268998761	N	37	N
CXCL6	0.268998761	N	9	N
FBXW10	0.268998761	N	0	N
FRRS1L	0.268998761	N	0	N
GPR75-ASB3	0.268998761	N	0	N
HNRNPL	0.268998761	N	1	N
IQGAP3	0.268998761	N	0	N
KSR1	0.268998761	N	4	N
MTBP	0.268998761	N	0	N
OSTC	0.268998761	N	0	N
PSMD5-AS1	0.268998761	N	0	N
RTKN2	0.268998761	N	0	N
SNX19	0.268998761	N	5	N
SUSD4	0.268998761	N	1	N
TMPO-AS1	0.268998761	N	0	N
TNIP3	0.268998761	N	1	N
TRIM44	0.268998761	N	0	N
TXLNB	0.268998761	N	0	N
ZNF117	0.268998761	N	0	N
ZNF391	0.268998761	N	0	N
ZNF529	0.268998761	N	0	N
ZNF804B	0.268998761	N	0	N
ZWINT	0.268998761	N	1	N
ARMC2	0.269023463	N	0	N
PCDHB7	0.269023463	N	0	N
DHRS4	0.269543339	N	0	N
PLK4	0.269819182	N	1	N
CCT6B	0.269827038	N	0	N
FBXO24	0.269848938	N	1	N
BUD13	0.269983619	N	2	N
AL390955.1	0.270017999	N	0	N
DBF4P1	0.27005913	N	0	N
FANCD2	0.27005913	N	0	N
AC090572.3	0.270257507	N	0	N
AC112220.4	0.270257507	N	0	N
ALYREF	0.270257507	N	0	N
CHIT1	0.270257507	N	2	N
ENTPD7	0.270257507	N	0	N
FAM136A	0.270257507	N	0	N
AC022306.1	0.270262815	N	0	N
AL691447.2	0.270355295	N	0	N
TMEM225B	0.270355295	N	0	N
MAP3K8	0.270485092	N	9	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AFF4	0.270577289	N	0	N
COL27A1	0.270577289	N	0	N
ITGAV	0.270577289	N	2	N
MEGF6	0.270577289	N	0	N
C5orf63	0.27088793	N	0	N
GTDC1	0.27088793	N	0	N
CETN3	0.270954062	N	0	N
LINC02432	0.270954062	N	0	N
SSR4P1	0.271145458	N	0	N
BRWD1	0.271335389	N	0	N
PIK3C3	0.271335389	N	5	N
RPS4XP11	0.271335389	N	0	N
SHISA3	0.271335389	N	0	N
EXOSC2	0.271424787	N	0	N
TUG1	0.271966748	N	2	N
ABHD4	0.272346875	N	0	N
AL035681.1	0.272346875	N	0	N
C16orf62	0.272346875	N	0	N
CLDN23	0.272346875	N	0	N
CSTF2	0.272346875	N	1	N
LINC02504	0.272346875	N	0	N
OLR1	0.272346875	N	19	N
POP5	0.272346875	N	0	N
TATDN3	0.272346875	N	0	N
ZNF8	0.272346875	N	0	N
AC090409.1	0.272640082	N	0	N
CCNG1P1	0.272640082	N	0	N
ELF1	0.272640082	N	1	N
HLA-DPB1	0.272640082	N	14	N
MEIS2	0.272640082	N	6	N
PIR	0.272640082	N	76	N
PRR4	0.272640082	N	0	N
RFX7	0.272640082	N	0	N
SRSF12	0.272640082	N	0	N
Z95327.2	0.272640082	N	0	N
AC005180.1	0.272741669	N	0	N
AC087683.2	0.272741669	N	0	N
AC241952.1	0.272741669	N	0	N
AURKB	0.272741669	N	7	N
KIAA0895	0.272741669	N	0	N
DDX39B	0.272789596	N	0	N
MARCKS	0.272789596	N	27	N
RHEB	0.272789596	N	120	Y
AC078795.2	0.272938534	N	0	N
AC096772.6	0.272938534	N	0	N
AC144831.1	0.272938534	N	0	N
ADM	0.272938534	N	136	Y
ATP2B4	0.272938534	N	2	N
CCDC110	0.272938534	N	0	N
CENPK	0.272938534	N	0	N
CSE1L	0.272938534	N	0	N
CXXC4	0.272938534	N	1	N
DDTL	0.272938534	N	0	N
DDX12P	0.272938534	N	0	N
EIF4A3	0.272938534	N	1	N
FKBP7	0.272938534	N	0	N
GSTM4	0.272938534	N	2	N
HIST1H4H	0.272938534	N	0	N
KLF7	0.272938534	N	3	N
LENG1	0.272938534	N	0	N
MED13L	0.272938534	N	1	N
NCAPGP2	0.272938534	N	0	N
NEDD4	0.272938534	N	60	N
PCDHGB2	0.272938534	N	0	N
REXO5	0.272938534	N	0	N
RIC1	0.272938534	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
ZNF555	0.272938534	N	0	N
AC092127.2	0.272988409	N	0	N
ELK4	0.272988409	N	1	N
MYOZ1	0.272988409	N	0	N
AL035530.2	0.273463623	N	0	N
FN1	0.273463623	N	27	N
GLDC	0.273943168	N	1	N
AP002360.2	0.273947249	N	0	N
CBX1	0.273947249	N	0	N
LMCD1-AS1	0.273947249	N	0	N
MAX	0.273947249	N	1000	Y
SLC38A4	0.273947249	N	9	N
CES3	0.274282238	N	7	N
ANO6	0.274742215	N	0	N
AC009237.15	0.274818228	N	0	N
GOLGA8N	0.274818228	N	0	N
PPP6R3	0.274818228	N	0	N
RP3-368A4.5	0.274818228	N	0	N
SUCNR1	0.274818228	N	2	N
CAMSAP2	0.274976345	N	0	N
FILIP1L	0.274976345	N	0	N
FRK	0.274976345	N	9	N
RPRD2	0.274976345	N	0	N
ZHX2	0.275185282	N	1	N
AP000569.1	0.275502604	N	0	N
ARHGAP25	0.275529147	N	0	N
ASIC2	0.275529147	N	2	N
MARK1	0.275529147	N	2	N
MS4A10	0.275529147	N	0	N
SLC6A6	0.275529147	N	0	N
SRSF1	0.275529147	N	3	N
TMC6	0.275529147	N	0	N
WWC2	0.275529147	N	0	N
ZNF805	0.275743248	N	0	N
AC012618.3	0.275760319	N	0	N
AC084880.1	0.275760319	N	0	N
AC106038.1	0.275760319	N	0	N
AC107959.3	0.275760319	N	0	N
AL137003.2	0.275760319	N	0	N
AL513477.1	0.275760319	N	0	N
APLF	0.275760319	N	0	N
C21orf58	0.275760319	N	0	N
CDC20P1	0.275760319	N	0	N
ERO1B	0.275760319	N	2	N
EZH2	0.275760319	N	57	N
FAM151B	0.275760319	N	0	N
FLJ38576	0.275760319	N	0	N
HERPUD2	0.275760319	N	0	N
HMCES	0.275760319	N	0	N
ITGB6	0.275760319	N	2	N
MNS1	0.275760319	N	0	N
MUTYH	0.275760319	N	1	N
NFE2	0.275760319	N	10	N
PKD2	0.275760319	N	61	N
PLA2G2F	0.275760319	N	0	N
PQBP1	0.275760319	N	1	N
RAB11FIP1P1	0.275760319	N	0	N
RASSF10	0.275760319	N	0	N
REST	0.275760319	N	1000	Y
RNF32	0.275760319	N	0	N
SATB1	0.275760319	N	1	N
SGCD	0.275760319	N	0	N
SH3BGRL	0.275760319	N	0	N
TRIM60P14	0.275760319	N	0	N
UPF3B	0.275760319	N	0	N
VGLL3	0.275760319	N	3	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
ZBTB4	0.275760319	N	0	N
ZNF382	0.275760319	N	0	N
TAS2R3	0.275948767	N	0	N
NEIL3	0.27599777	N	2	N
PTPRK	0.27599777	N	3	N
ZNF226	0.277765061	N	0	N
ATG16L1	0.278011437	N	9	N
AC026740.1	0.278146289	N	0	N
RAB10	0.278354929	N	36	N
RRAS2	0.278354929	N	1	N
RRM1	0.278354929	N	4	N
FGFR2	0.278455391	N	62	N
GABRQ	0.278470363	N	0	N
PSIP1	0.278740972	N	0	N
TEAD1	0.278740972	N	4	N
ZNF337-AS1	0.278740972	N	0	N
SCPEP1	0.278928016	N	0	N
TECTA	0.278928016	N	3	N
HS6ST3	0.279295776	N	0	N
JAML	0.279295776	N	1	N
LEF1	0.279295776	N	15	N
OSR2	0.279295776	N	0	N
PCDHGA1	0.279295776	N	1	N
ASF1B	0.279718127	N	2	N
B3GNT6	0.279718127	N	0	N
HNRNPH1	0.279718127	N	0	N
PTPN2	0.279718127	N	42	N
SLC41A2	0.279718127	N	1	N
SNRPN	0.279718127	N	51	N
WDR92	0.279718127	N	0	N
FAM8A1	0.28040315	N	1	N
DDX23	0.280461302	N	0	N
NELFE	0.280461302	N	1	N
TLL2	0.280461302	N	1	N
RNF112	0.281496415	N	0	N
AC007906.1	0.281646148	N	0	N
AC008813.1	0.281646148	N	0	N
AC009950.1	0.281646148	N	0	N
AC025809.2	0.281646148	N	0	N
AC068860.1	0.281646148	N	0	N
AGO3	0.281646148	N	0	N
AL590032.1	0.281646148	N	0	N
AMPD3	0.281646148	N	1	N
ARFGEF2	0.281646148	N	1	N
ARHGAP11A	0.281646148	N	0	N
CH25H	0.281646148	N	3	N
DHX9P1	0.281646148	N	0	N
GAREM1	0.281646148	N	1	N
GEN1	0.281646148	N	0	N
HIVEP1	0.281646148	N	1	N
IMPACT	0.281646148	N	1000	Y
INCENP	0.281646148	N	2	N
KLHDC10	0.281646148	N	0	N
LINC01470	0.281646148	N	0	N
MRM1	0.281646148	N	0	N
MZB1	0.281646148	N	0	N
PAPD4	0.281646148	N	0	N
PCDH1	0.281646148	N	1	N
RAB6B	0.281646148	N	0	N
SCD	0.281646148	N	301	Y
SF3A3P1	0.281646148	N	0	N
SLC37A4	0.281646148	N	17	N
TCP11L2	0.281646148	N	0	N
TLR6	0.281646148	N	5	N
TRAIP	0.281646148	N	0	N
URI1	0.281646148	N	1	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
ZCCHC6	0.281646148	N	0	N
ZWILCH	0.281646148	N	0	N
ABCA10	0.281955772	N	0	N
AC006504.3	0.281955772	N	0	N
AL359711.2	0.281955772	N	0	N
ARHGEF16	0.281955772	N	0	N
E2F3-IT1	0.281955772	N	0	N
KCTD10	0.281955772	N	0	N
LIPH	0.281955772	N	1	N
PSMC5	0.281955772	N	1	N
THBS1	0.281955772	N	106	Y
TMEM159	0.281955772	N	0	N
ZNF709	0.281955772	N	0	N
FKBPL	0.281993823	N	0	N
KCNE5	0.281993823	N	1	N
KIAA2026	0.281993823	N	0	N
AC007899.1	0.282118763	N	0	N
CEP83-AS1	0.282118763	N	0	N
KLC4	0.282118763	N	0	N
PAF1	0.282118763	N	0	N
SGMS1-AS1	0.282118763	N	0	N
SLC1A6	0.282118763	N	1	N
TNPO3	0.282118763	N	0	N
TRA2B	0.282118763	N	2	N
HGSNAT	0.282433089	N	0	N
GPR150	0.283020032	N	0	N
CENPI	0.283382426	N	0	N
PMF1	0.283382426	N	0	N
VCAM1	0.283382426	N	16	N
ZNF460	0.283382426	N	0	N
A2M	0.283404694	N	15	N
WFDC21P	0.283404694	N	0	N
ANKRD24	0.283825114	N	0	N
MANBA	0.283825114	N	0	N
RWDD2B	0.283825114	N	0	N
BZW1P1	0.283932444	N	0	N
FOSL2	0.283932444	N	3	N
HHLA3	0.283932444	N	0	N
HMGB1P5	0.283932444	N	0	N
MXD3	0.283932444	N	1	N
PTGER4	0.283932444	N	7	N
TM9SF4	0.283932444	N	0	N
TRIM58	0.283932444	N	0	N
VDAC3	0.283932444	N	1	N
AC089984.2	0.284027374	N	0	N
CASP6	0.284027374	N	13	N
CMTM3	0.284027374	N	1	N
EEF1AKMT1	0.284027374	N	0	N
FAM122A	0.284027374	N	0	N
KDM4A-AS1	0.284027374	N	0	N
MRPL27	0.284027374	N	0	N
MUC16	0.284027374	N	8	N
RSPH3	0.284027374	N	0	N
SESN2	0.284027374	N	11	N
VRK2	0.284027374	N	0	N
XRCC3	0.284027374	N	3	N
ZNF827	0.284027374	N	1	N
COMMD4	0.284064672	N	0	N
ZNF91	0.284064672	N	1	N
CENPN	0.284427285	N	0	N
CIT	0.284427285	N	196	Y
CYB5B	0.284427285	N	0	N
DNAJB9	0.284427285	N	1	N
PLOD2	0.284427285	N	0	N
UBE2D4	0.284427285	N	0	N
VARS2	0.284427285	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
CEP85	0.284489987	N	0	N
FAM111A	0.284691001	N	2	N
CCDC77	0.284812477	N	0	N
GLG1	0.284812477	N	0	N
KIFC1	0.284812477	N	0	N
NSMCE4A	0.284812477	N	0	N
FAM234B	0.284924833	N	0	N
AC021205.1	0.28512174	N	0	N
C17orf97	0.28512174	N	0	N
C3orf33	0.28512174	N	0	N
EPHA5	0.28512174	N	8	N
MPZL1	0.28512174	N	0	N
ODF2	0.28512174	N	2	N
ZIC4	0.28512174	N	0	N
FTSJ3	0.285623874	N	0	N
TMEM45A	0.285789298	N	0	N
AC026355.3	0.285827298	N	0	N
AC092610.1	0.285827298	N	0	N
AC099850.1	0.285827298	N	0	N
AC106028.3	0.285827298	N	0	N
ADAM20P1	0.285827298	N	0	N
AL136455.1	0.285827298	N	0	N
CACNA1B	0.285827298	N	1	N
CCT5	0.285827298	N	0	N
EPOP	0.285827298	N	0	N
INSIG2	0.285827298	N	108	Y
LINC01572	0.285827298	N	0	N
LRRC36	0.285827298	N	0	N
MSTN	0.285827298	N	186	Y
NCAPG	0.285827298	N	1	N
PDSS1P2	0.285827298	N	0	N
PPARA	0.285827298	N	100	N
RNF149	0.285827298	N	0	N
TOM1	0.285827298	N	1	N
USF3	0.285827298	N	0	N
ZDHHC7	0.285827298	N	0	N
AC104058.1	0.285894848	N	0	N
AP003071.4	0.285894848	N	0	N
BCL7C	0.285894848	N	1	N
AL162632.2	0.286284944	N	0	N
CCPG1	0.286411978	N	0	N
AC016745.2	0.286714644	N	0	N
AL139260.1	0.286714644	N	0	N
AL445423.1	0.286714644	N	0	N
CYBRD1	0.286714644	N	0	N
MYCBP2	0.286714644	N	1	N
TMEM110-MUSTN1	0.286714644	N	0	N
RPSAP70	0.287560221	N	0	N
APBB2	0.287675989	N	2	N
SPC25	0.28801684	N	0	N
AP001994.1	0.288077202	N	0	N
GF11	0.288261175	N	0	N
ITGA2B	0.288261175	N	0	N
ITGB3BP	0.288261175	N	1	N
TRIM4	0.288261175	N	1	N
SFMBT2	0.288601416	N	0	N
EPHX2	0.289529967	N	15	N
VPS41	0.289591884	N	0	N
AC092718.4	0.28963731	N	0	N
PARP8	0.28963731	N	1	N
TBRG1	0.28963731	N	0	N
AC013652.2	0.289701475	N	0	N
AL450405.1	0.289701475	N	0	N
ATP8B3	0.289701475	N	2	N
ECM2	0.289701475	N	1	N
PDIA3	0.289701475	N	15	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
TSR2	0.289701475	N	0	N
CACYBPP2	0.2901081	N	0	N
DISP1	0.2901081	N	0	N
RAB6A	0.2901081	N	0	N
VAV3	0.2901081	N	8	N
CHRNA5	0.290255448	N	2	N
TXNRD1	0.290258087	N	10	N
TPRKB	0.290652949	N	0	N
AC079336.2	0.290793695	N	0	N
LMAN2L	0.290793695	N	0	N
NBAS	0.290823907	N	2	N
AC092692.1	0.291231872	N	0	N
AL512283.1	0.291231872	N	0	N
AC008267.2	0.291238184	N	0	N
PPP5C	0.291473982	N	2	N
LINC01206	0.291582793	N	0	N
AC063944.1	0.291933851	N	0	N
AP000919.1	0.292087978	N	0	N
SOCS2-AS1	0.292087978	N	0	N
AC007611.1	0.292167993	N	0	N
AC012313.9	0.292167993	N	0	N
AC092647.3	0.292167993	N	0	N
AC138356.2	0.292167993	N	0	N
ACTBP7	0.292167993	N	0	N
AL096803.1	0.292167993	N	0	N
AL512329.1	0.292167993	N	0	N
AP001893.2	0.292167993	N	0	N
C15orf59	0.292167993	N	0	N
CCRL2	0.292167993	N	3	N
HIST1H4D	0.292167993	N	0	N
HMGN2P46	0.292167993	N	0	N
IPO11	0.292167993	N	1	N
KIAA0368	0.292167993	N	0	N
KNTC1	0.292167993	N	0	N
LINC01091	0.292167993	N	0	N
LPCAT2	0.292167993	N	0	N
MEF2BNBP1	0.292167993	N	0	N
MMP15	0.292167993	N	3	N
NABP1	0.292167993	N	0	N
PCDHGA6	0.292167993	N	0	N
RFPL1S	0.292167993	N	0	N
S1PR1	0.292167993	N	8	N
SH3TC2	0.292167993	N	0	N
SLC25A24	0.292167993	N	0	N
TMEM59	0.292167993	N	0	N
TNFAIP8	0.292167993	N	2	N
TTC38	0.292167993	N	0	N
ZNF160	0.292167993	N	0	N
ZNF470	0.292167993	N	0	N
AC005740.2	0.292413129	N	0	N
AC136475.1	0.292413129	N	0	N
AL356019.2	0.292413129	N	0	N
ARL2BP	0.292413129	N	0	N
ASS1P11	0.292413129	N	0	N
C9orf78	0.292413129	N	0	N
ELP6	0.292413129	N	0	N
FMO1	0.292413129	N	10	N
MEPCE	0.292413129	N	1	N
POLQ	0.292413129	N	0	N
SLC22A15	0.292413129	N	1	N
TF	0.292413129	N	314	Y
TMEM14C	0.292413129	N	0	N
WASF3	0.292413129	N	2	N
AC007388.1	0.292563197	N	0	N
AC083805.3	0.292882587	N	0	N
AP006296.1	0.292882587	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
COLQ	0.292882587	N	0	N
ILF2	0.292882587	N	1	N
MRM3	0.292882587	N	0	N
PLPP6	0.292882587	N	0	N
PTK7	0.292882587	N	2	N
AC104123.1	0.292995455	N	0	N
ADAM33	0.2930025	N	3	N
AFF3	0.2930025	N	0	N
ARHGAP32	0.293178344	N	0	N
AC089998.3	0.293565393	N	0	N
DNAJC8	0.293565393	N	0	N
DRAP1	0.293565393	N	0	N
AC016772.1	0.293997803	N	0	N
NUDT16P1	0.29431831	N	0	N
AC111182.1	0.295204019	N	0	N
CCT7	0.295204019	N	0	N
HIVEP2	0.295204019	N	0	N
BICC1	0.295290864	N	2	N
AC091173.1	0.295489703	N	0	N
HPX	0.295489703	N	18	N
AC096533.1	0.295666421	N	0	N
CDKL4	0.295672585	N	0	N
SCD5	0.295672585	N	5	N
PRSS16	0.295697868	N	3	N
AL391730.1	0.295827098	N	0	N
PDLIM1P4	0.296241538	N	0	N
AC010385.1	0.296389306	N	0	N
AL110118.2	0.296389306	N	0	N
CAMK4	0.297053642	N	8	N
EEF2KMT	0.297053642	N	0	N
OSCP1	0.297053642	N	0	N
TMEM185A	0.297053642	N	0	N
TRAF3IP2	0.297053642	N	3	N
ZNF605	0.297053642	N	0	N
IL1R1	0.297295314	N	12	N
ICMT	0.29759749	N	2	N
AC090099.1	0.297759006	N	0	N
AC010501.1	0.297946435	N	0	N
DNAJB11	0.297946435	N	2	N
EGFR	0.297946435	N	1000	Y
NUDT15	0.297946435	N	0	N
ORAOV1	0.297946435	N	0	N
AC009075.2	0.298098601	N	0	N
AC245100.4	0.298098601	N	0	N
ZNF135	0.298098601	N	0	N
AC055716.2	0.298127943	N	0	N
LINC01605	0.298127943	N	0	N
CTSH	0.298143037	N	10	N
WSB1	0.298143037	N	2	N
AC026366.1	0.298419314	N	0	N
AL023806.3	0.298419314	N	0	N
AC104371.1	0.298694824	N	0	N
RAB2A	0.298694824	N	2	N
ZC3H11B	0.298694824	N	0	N
ZNF841	0.298694824	N	0	N
SPATA5	0.298953791	N	0	N
AL445183.3	0.299227648	N	0	N
MLYCD	0.299227648	N	3	N
PPCDC	0.299227648	N	0	N
RPL35P5	0.299227648	N	0	N
SLFN5	0.299227648	N	0	N
PINX1	0.29925723	N	0	N
BACE1	0.299481505	N	120	Y
LINC00167	0.299636026	N	0	N
TMEM43	0.299636026	N	0	N
YWHAH	0.299636026	N	1	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
ZNF334	0.299636026	N	0	N
CLP1	0.299721896	N	0	N
NUP35	0.299721896	N	0	N
AC002467.1	0.299723287	N	0	N
C4orf33	0.299723287	N	0	N
EPS8	0.299723287	N	5	N
GRIK5	0.299723287	N	0	N
IFNAR1	0.299723287	N	9	N
RN7SKP269	0.299723287	N	0	N
RSL24D1	0.299723287	N	0	N
TCP1P3	0.299723287	N	0	N
UCK1	0.299723287	N	0	N
ZMYM2	0.299723287	N	0	N
FAR2P2	0.29985375	N	0	N
SNRPB	0.300742478	N	0	N
SUPT16HP1	0.300742478	N	0	N
ETV1	0.301035258	N	9	N
HOXA-AS3	0.301035258	N	0	N
ERLIN1	0.30106252	N	2	N
MRPS11	0.301067789	N	0	N
AC110994.1	0.30149473	N	0	N
ABLIM2	0.301698048	N	0	N
AC007098.1	0.301698048	N	0	N
AC010761.1	0.301698048	N	0	N
AC079753.1	0.301698048	N	0	N
AC080188.3	0.301698048	N	0	N
AP000254.1	0.301698048	N	0	N
BRAF1	0.301698048	N	0	N
COL11A1	0.301698048	N	2	N
EEF2K	0.301698048	N	18	N
ETV4	0.301698048	N	3	N
HINT2	0.301698048	N	3	N
HNRNPCP1	0.301698048	N	0	N
IFT20	0.301698048	N	0	N
KIAA1024	0.301698048	N	0	N
LINC01597	0.301698048	N	0	N
LPAR6	0.301698048	N	0	N
MAPK11P1L	0.301698048	N	0	N
RASIP1	0.301698048	N	2	N
SEC24A	0.301698048	N	0	N
TMSB15A	0.301698048	N	0	N
TRPC6	0.301698048	N	17	N
AC069366.2	0.302006697	N	0	N
AC104131.1	0.302006697	N	0	N
AP000688.1	0.302006697	N	0	N
ATG2B	0.302006697	N	1	N
CDK6	0.302006697	N	44	N
DISC1-IT1	0.302006697	N	0	N
DNAH3	0.302006697	N	0	N
GOLGA5	0.302006697	N	0	N
LINC00869	0.302006697	N	0	N
TRIM36	0.302006697	N	1	N
USO1	0.302006697	N	1	N
VSIG10	0.302006697	N	0	N
WDR31	0.302006697	N	0	N
AC011912.1	0.302193558	N	0	N
HNRNPKP4	0.302403183	N	0	N
LINC01482	0.302403183	N	0	N
PLCG2	0.302403183	N	2	N
KIAA0586	0.303140801	N	0	N
PRPF3	0.303140801	N	0	N
COL17A1	0.303163278	N	1	N
HIST1H2BD	0.303163278	N	0	N
QTRT2	0.303163278	N	0	N
DOCK1	0.303299561	N	1	N
FBXO10	0.303461346	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
ZNF14	0.303461346	N	0	N
STAG3L2	0.303510462	N	0	N
DEK	0.303520641	N	4	N
POLA2	0.303520641	N	0	N
MAPK14	0.303819049	N	28	N
TRPM7	0.303905441	N	12	N
AC012313.5	0.30391059	N	0	N
AC011498.7	0.304399188	N	0	N
AL139317.2	0.304399188	N	0	N
DFFBP1	0.304399188	N	0	N
LRRC45	0.304497826	N	0	N
AP005901.1	0.30450969	N	0	N
AP001412.1	0.304747707	N	0	N
CSF2RB	0.304752685	N	0	N
AC080188.1	0.304780109	N	0	N
PROSER3	0.304780109	N	0	N
SKA2	0.304780109	N	1	N
MEMO1P1	0.304890712	N	0	N
RHOBTB3	0.304890712	N	0	N
PAH	0.305309755	N	143	Y
AC005822.1	0.305775172	N	0	N
CENPH	0.305775172	N	0	N
AC092332.1	0.306099282	N	0	N
ABHD10	0.306139389	N	0	N
CSTF1	0.306139389	N	0	N
DHX16	0.306139389	N	0	N
LNPEP	0.306139389	N	6	N
PCAT14	0.306139389	N	0	N
NTRK3	0.306329236	N	14	N
THOC3	0.306329236	N	0	N
TRIM29	0.306329236	N	0	N
ZNF667	0.306329236	N	0	N
GAPDHP65	0.306333428	N	0	N
UBTF	0.306516785	N	0	N
SCN1B	0.30701661	N	2	N
ITIH3	0.307321784	N	1	N
EIF3LP1	0.307456796	N	0	N
ZNF487	0.307456796	N	0	N
AC092287.1	0.307488522	N	0	N
BMP7	0.307488522	N	80	N
PIM2	0.307629284	N	1	N
REXO1L1P	0.307629284	N	0	N
RPS6KA2	0.307629284	N	4	N
AC011374.2	0.307712447	N	0	N
BEST1	0.307712447	N	0	N
KANK1	0.307712447	N	3	N
MYCBP	0.307712447	N	3	N
RNVU1-15	0.307712447	N	0	N
RP11-15H20.6	0.307712447	N	0	N
SLC43A3	0.307712447	N	0	N
SMIM5	0.308058328	N	0	N
EHMT1-IT1	0.308523089	N	0	N
RCCD1	0.308523089	N	0	N
CORO1A	0.30854039	N	1	N
SMAD4	0.308709068	N	50	N
CCR5	0.309181762	N	54	N
FBXL2	0.309181762	N	2	N
HPCA	0.309193205	N	1	N
CTAGE7P	0.309674682	N	0	N
SH3PXD2B	0.309674682	N	1	N
AC093726.1	0.310240101	N	0	N
AC015849.5	0.3106759	N	0	N
EFNA1	0.3106759	N	3	N
GLRA3	0.3106759	N	0	N
MGARP	0.3106759	N	0	N
MXRA5	0.3106759	N	2	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
NOMO1	0.3106759	N	0	N
TPD52L1	0.3106759	N	2	N
UBFD1	0.3106759	N	0	N
ZNF84	0.3106759	N	0	N
SDHAF3	0.310913268	N	0	N
AC037198.2	0.311180352	N	0	N
AC097499.1	0.311180352	N	0	N
C1QTNF4	0.311180352	N	0	N
CDC5L	0.311180352	N	1	N
CTPS1	0.311180352	N	0	N
DCAF5	0.311180352	N	0	N
NAGA	0.311180352	N	8	N
PDZD4	0.311180352	N	0	N
PPFIBP1	0.311180352	N	0	N
TMEM119	0.311180352	N	4	N
TIMM10	0.311335978	N	0	N
AC009299.1	0.311375234	N	0	N
AL020997.3	0.311375234	N	0	N
ALPL	0.311375234	N	14	N
BICRA	0.311375234	N	0	N
EXOC4	0.311375234	N	3	N
LINC00649	0.311375234	N	0	N
SMIM7	0.311375234	N	0	N
SYNGR1	0.311375234	N	0	N
TBC1D20	0.311375234	N	0	N
GBAP1	0.311376307	N	0	N
RN7SL535P	0.311376307	N	0	N
ZNF717	0.311376307	N	1	N
DNAJB4	0.311467378	N	1	N
ZNF462	0.311493798	N	0	N
CLK4	0.311775284	N	0	N
RAD21L1	0.311888106	N	0	N
RFC2	0.311888106	N	1	N
ZNF69	0.311888106	N	0	N
MRPS7	0.312144069	N	0	N
NCAPD3	0.313013945	N	0	N
NFAT5	0.313417853	N	7	N
HNRNPM	0.313444539	N	1	N
LINC01606	0.313444539	N	0	N
NAALADL2	0.313444539	N	0	N
TARDBP	0.313444539	N	1	N
ZNF277	0.313444539	N	0	N
ABCA8	0.313457432	N	2	N
ACKR4	0.313457432	N	0	N
TOMM20P4	0.313535407	N	0	N
AL157791.1	0.313740303	N	0	N
C11orf96	0.313740303	N	0	N
KISS1	0.313740303	N	89	N
LIPJ	0.313740303	N	0	N
MGAT4C	0.313740303	N	0	N
NUP93	0.313740303	N	0	N
SSRP1	0.313740303	N	0	N
THBS3	0.313740303	N	1	N
WDFY3-AS2	0.313740303	N	0	N
AC134772.1	0.314003349	N	0	N
DPYSL2	0.314003349	N	0	N
GOLGA8R	0.314003349	N	0	N
UBE2H	0.314003349	N	2	N
TRIM13	0.314268609	N	0	N
AC092868.2	0.314287717	N	0	N
AC018634.1	0.314361853	N	0	N
LINC02197	0.314429167	N	0	N
AL390195.2	0.314654304	N	0	N
PCDHA5	0.314654304	N	0	N
TMEM71	0.314654304	N	0	N
XAF1	0.314654304	N	1	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
ZNF663P	0.314654304	N	0	N
GNAZ	0.314702093	N	4	N
PRPF31	0.314880527	N	0	N
RPAP2	0.314880527	N	0	N
CACUL1	0.314952906	N	0	N
CENPJ	0.314952906	N	0	N
MAGOH3P	0.314952906	N	0	N
ZNF573	0.314952906	N	0	N
PDZRN3	0.315251499	N	0	N
AL158206.1	0.315269814	N	0	N
SEC23IP	0.315269814	N	0	N
AC069185.1	0.315386698	N	0	N
AC243964.3	0.315386698	N	0	N
HIBADH	0.315695173	N	1	N
TSPAN31	0.315756258	N	0	N
ERHP1	0.316135379	N	0	N
MARCH10	0.3161385	N	0	N
AC011742.2	0.3161385	N	0	N
CREBRF	0.3161385	N	0	N
ELAC2	0.3161385	N	0	N
GTF2I	0.3161385	N	1	N
KLHL28	0.3161385	N	0	N
LSMEM1	0.3161385	N	0	N
OSBPL9P2	0.3161385	N	0	N
PSG1	0.3161385	N	0	N
PWAR5	0.3161385	N	0	N
SERBP1P5	0.3161385	N	0	N
TRIM80P	0.3161385	N	0	N
XRCC5	0.3161385	N	5	N
H2AFZP3	0.316152353	N	0	N
VDAC3P1	0.316152353	N	0	N
AL365205.1	0.316200953	N	0	N
KIF24	0.316243334	N	0	N
AC016394.1	0.316354253	N	0	N
RPL36AP33	0.316524494	N	0	N
ASAH1	0.316535791	N	5	N
CCSAP	0.316535791	N	0	N
PCOLCE2	0.31654211	N	1	N
APC2	0.316931816	N	1	N
AC005261.2	0.316968056	N	0	N
AC008817.1	0.316968056	N	0	N
AL137100.1	0.316968056	N	0	N
FOXD3	0.316968056	N	6	N
IRF2BP2	0.316968056	N	2	N
JAM3	0.316968056	N	0	N
LINC02444	0.316968056	N	0	N
LIPG	0.316968056	N	13	N
LRRC27	0.316968056	N	0	N
PRLHR	0.316968056	N	1	N
SAT1	0.316968056	N	4	N
TJP1	0.316968056	N	29	N
ZNF606	0.316968056	N	0	N
ELAVL1	0.317299302	N	8	N
RAD51AP1P1	0.317299302	N	0	N
TRAF3IP3	0.317299302	N	0	N
AC068870.2	0.317663305	N	0	N
AP001157.1	0.317663305	N	0	N
SNHG21	0.317691343	N	0	N
TBC1D8-AS1	0.31789748	N	0	N
ARHGAP5	0.318065136	N	6	N
ADPGK-AS1	0.318139505	N	0	N
BCL2L12	0.318139505	N	0	N
CCDC141	0.318139505	N	0	N
COPRS	0.318139505	N	0	N
DAZAP1	0.318139505	N	0	N
DOCK4-AS1	0.318139505	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
GBP3	0.318139505	N	3	N
GS1-24F4.2	0.318139505	N	0	N
MCM8	0.318139505	N	1	N
PRKAB2	0.318139505	N	8	N
PRNP	0.318139505	N	5	N
PYM1	0.318139505	N	0	N
RAD21	0.318139505	N	4	N
RASSF1	0.318139505	N	7	N
RP11-210K20.4	0.318139505	N	0	N
RPL9	0.318139505	N	0	N
SALL4P7	0.318139505	N	0	N
UQCC3	0.318139505	N	0	N
FAM102B	0.318782698	N	0	N
HORMAD1	0.319168077	N	1	N
CEMIP	0.319313226	N	0	N
STX18-AS1	0.319467514	N	0	N
DNM1P41	0.319472277	N	0	N
AL049838.1	0.319660702	N	0	N
AL355615.1	0.319660702	N	0	N
ARSD	0.319660702	N	0	N
GUCD1	0.319660702	N	0	N
LIG1	0.319660702	N	0	N
TTI2	0.319660702	N	0	N
AKAP7	0.319667972	N	3	N
NDUFC1	0.319767554	N	0	N
PDE1C	0.319767554	N	5	N
TMEM57	0.319776003	N	0	N
AC027682.7	0.319842578	N	0	N
AF201337.1	0.320080567	N	0	N
LG14	0.320080567	N	0	N
SLC7A6OS	0.320080567	N	0	N
AC105917.1	0.320749014	N	0	N
HNF1A	0.320749014	N	382	Y
ZNF461	0.321009843	N	0	N
PRKCE	0.321230983	N	46	N
AC084117.1	0.321578665	N	0	N
ACBD7	0.321578665	N	0	N
AC068669.1	0.321737102	N	0	N
NUPR1	0.321737102	N	9	N
PSTPIP2	0.321737102	N	0	N
SAMD8	0.321737102	N	0	N
SLC5A1	0.321737102	N	82	N
AC134775.1	0.321826897	N	0	N
SLFNL1-AS1	0.321929701	N	0	N
AC034111.1	0.321957552	N	0	N
DDX11	0.321957552	N	0	N
ITSN1	0.321957552	N	0	N
AC006020.1	0.322036763	N	0	N
AC007953.1	0.322036763	N	0	N
AC013448.1	0.322036763	N	0	N
AC016722.3	0.322036763	N	0	N
AL354813.1	0.322036763	N	0	N
AL356218.2	0.322036763	N	0	N
AL360169.2	0.322036763	N	0	N
ALDH8A1	0.322036763	N	0	N
ARHGEF7	0.322036763	N	1	N
ATXN7L3B	0.322036763	N	0	N
BDH2P1	0.322036763	N	0	N
BOD1L2	0.322036763	N	0	N
BTBD7	0.322036763	N	0	N
CACNA1C-IT3	0.322036763	N	0	N
CALB2	0.322036763	N	7	N
CORT	0.322036763	N	139	Y
COX20P1	0.322036763	N	0	N
DCTN4	0.322036763	N	0	N
EIF2B2	0.322036763	N	39	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
EIF4EBP2	0.322036763	N	14	N
ERCC6L	0.322036763	N	0	N
FTH1	0.322036763	N	1	N
GPR19	0.322036763	N	0	N
HACD3	0.322036763	N	1	N
HNRNPLP2	0.322036763	N	0	N
KF459542.1	0.322036763	N	0	N
LINC02148	0.322036763	N	0	N
LINC02225	0.322036763	N	0	N
LRP10	0.322036763	N	1	N
MCM7	0.322036763	N	3	N
METTL3	0.322036763	N	5	N
MRPL20	0.322036763	N	0	N
MUC3A	0.322036763	N	0	N
NDEL1	0.322036763	N	1	N
PCDHB19P	0.322036763	N	0	N
PCED1B	0.322036763	N	0	N
PDCD5P1	0.322036763	N	0	N
PKN3	0.322036763	N	0	N
PLD5	0.322036763	N	0	N
POC5	0.322036763	N	1	N
PPIL1	0.322036763	N	0	N
PRELID2	0.322036763	N	0	N
PRO1804	0.322036763	N	0	N
RAD23BP1	0.322036763	N	0	N
RECQL4	0.322036763	N	1	N
REM1	0.322036763	N	0	N
SH3BP5-AS1	0.322036763	N	0	N
SLC17A5	0.322036763	N	0	N
SPART	0.322036763	N	0	N
SPPL3	0.322036763	N	0	N
STAT3	0.322036763	N	865	Y
SYNPO2L	0.322036763	N	0	N
TMEM56	0.322036763	N	1	N
TRAM1L1	0.322036763	N	0	N
TSSK1B	0.322036763	N	0	N
U62317.3	0.322036763	N	0	N
ZFP90	0.322036763	N	0	N
GDF6	0.322085629	N	2	N
FHDC1	0.32224702	N	0	N
ZNF527	0.32224702	N	0	N
FCHSD2	0.322801455	N	0	N
AC092159.2	0.323025606	N	0	N
AL079307.1	0.323025606	N	0	N
ARMCX3	0.323025606	N	1	N
CSPG4P12	0.323025606	N	0	N
DDI2	0.323025606	N	0	N
HERC2P8	0.323025606	N	0	N
HSPE1	0.323025606	N	1	N
MTUS1	0.323025606	N	3	N
SAC3D1	0.323025606	N	0	N
SLC33A1	0.323025606	N	2	N
ZNF77	0.323025606	N	0	N
COQ7	0.323266933	N	5	N
AC068898.2	0.323270727	N	0	N
FTX	0.323270727	N	0	N
PAWR	0.323270727	N	2	N
ZNF701	0.32327226	N	0	N
INTS2	0.323378884	N	0	N
AC009163.2	0.323639067	N	0	N
AL353763.2	0.323639067	N	0	N
C18orf65	0.323639067	N	0	N
CCNL2	0.323639067	N	0	N
CLEC12A	0.323639067	N	0	N
CTB-193M12.4	0.323639067	N	0	N
DKK3	0.323639067	N	7	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
DPT	0.323639067	N	95	N
FAM183A	0.323639067	N	0	N
FAP	0.323639067	N	36	N
GPATCH8	0.323639067	N	0	N
HCG27	0.323639067	N	0	N
IMPG2	0.323639067	N	0	N
LINC02028	0.323639067	N	0	N
MAGED1	0.323639067	N	1	N
MED13	0.323639067	N	8	N
MSC	0.323639067	N	612	Y
QRSL1P2	0.323639067	N	0	N
TENM2	0.323639067	N	0	N
WDR4	0.323639067	N	1	N
WDR5B	0.323639067	N	0	N
ZDHHC17	0.323639067	N	2	N
ABCA11P	0.323859586	N	0	N
AC019294.2	0.323859586	N	0	N
ALDH9A1	0.323859586	N	1	N
BX255923.1	0.323859586	N	0	N
CLHC1	0.323859586	N	0	N
GNAS	0.323859586	N	39	N
HAUS5	0.323859586	N	0	N
INPP4A	0.323859586	N	2	N
KRT81	0.323859586	N	0	N
MRPS22	0.323859586	N	0	N
PIK3R3	0.323859586	N	10	N
SKA1	0.323859586	N	1	N
STAG3L5P	0.323859586	N	0	N
WDR5	0.323859586	N	6	N
ANKRD20A11P	0.323917417	N	0	N
SKA3	0.324192261	N	0	N
CDC14B	0.324549129	N	1	N
BRINP1	0.324775461	N	1	N
C1orf220	0.324775461	N	0	N
MATN4	0.324775461	N	0	N
PPP2R5A	0.324775461	N	0	N
SAAL1	0.324775461	N	0	N
SESN3	0.324775461	N	7	N
SULT1C2	0.324775461	N	1	N
ZNF366	0.324775461	N	0	N
ADH5	0.324893122	N	1	N
ARCN1	0.324893122	N	0	N
BRAF	0.324893122	N	98	N
CCDC146	0.324893122	N	0	N
CD28	0.324893122	N	88	N
CENPO	0.324893122	N	0	N
CYP2E1	0.324893122	N	145	Y
DIRAS1	0.324893122	N	0	N
FAM24B	0.324893122	N	0	N
HOXA-AS2	0.324893122	N	0	N
LAMB2	0.324893122	N	1	N
OSBP	0.324893122	N	7	N
PIANP	0.324893122	N	0	N
RHEBL1	0.324893122	N	4	N
SKIDA1	0.324893122	N	0	N
SUPT7L	0.324893122	N	0	N
TRAPPC6A	0.324893122	N	0	N
ZNF621	0.324893122	N	0	N
MRPL35	0.324923435	N	0	N
AC018521.7	0.325212371	N	0	N
AC092650.1	0.325212371	N	0	N
ADAM17	0.325212371	N	50	N
ADAP2	0.325212371	N	1	N
AL354719.2	0.325212371	N	0	N
AP000542.2	0.325212371	N	0	N
APLP2	0.325212371	N	7	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
DKFZp779M0652	0.325212371	N	0	N
DNAJB5	0.325212371	N	0	N
FANCC	0.325212371	N	3	N
FERP1	0.325212371	N	0	N
FOPNL	0.325212371	N	0	N
GPR26	0.325212371	N	0	N
GSTCD	0.325212371	N	0	N
HPSE	0.325212371	N	5	N
HTRA2	0.325212371	N	2	N
ITSN2	0.325212371	N	0	N
KRT8P12	0.325212371	N	0	N
MYRIP	0.325212371	N	8	N
MZT1	0.325212371	N	0	N
NCAPGP1	0.325212371	N	0	N
NUDC	0.325212371	N	1	N
PBX4	0.325212371	N	2	N
PDZD8	0.325212371	N	0	N
PPP1R10	0.325212371	N	1	N
PTPN4	0.325212371	N	2	N
RASAL2	0.325212371	N	0	N
RELL1	0.325212371	N	0	N
RP11-15N24.4	0.325212371	N	0	N
RTTN	0.325212371	N	0	N
SLIT1	0.325212371	N	3	N
SUFU	0.325212371	N	5	N
SVIP	0.325212371	N	1	N
TM2D1	0.325212371	N	0	N
VN1R1	0.325212371	N	0	N
ZNF248	0.325212371	N	0	N
BCL6	0.325266853	N	10	N
TFAMP1	0.325444761	N	0	N
VCL	0.325444761	N	8	N
ACSL5	0.325503896	N	6	N
AL138889.2	0.325503896	N	0	N
CCT5P1	0.325503896	N	0	N
DNAH2	0.325503896	N	0	N
DYDC1	0.325503896	N	0	N
KLHDC4	0.325503896	N	0	N
MARK3	0.325503896	N	2	N
MED22	0.325503896	N	0	N
PGA3	0.325503896	N	0	N
PLEK	0.325503896	N	1	N
SLC36A2	0.325503896	N	0	N
AC144521.1	0.325727731	N	0	N
EIF4A2P4	0.325749929	N	0	N
DMGDH	0.32577786	N	1	N
ADAM28	0.32593801	N	12	N
AC116021.1	0.326566026	N	0	N
ASS1P2	0.326566026	N	0	N
CCHCR1	0.326566026	N	1	N
KLHL24	0.326566026	N	0	N
LRRD1	0.326566026	N	0	N
NEU3	0.326566026	N	7	N
RFC5	0.326566026	N	1	N
SMIM12	0.326566026	N	0	N
AL021877.1	0.326595585	N	0	N
COL24A1	0.326595585	N	0	N
ELAVL4	0.326595585	N	8	N
H3F3C	0.326689488	N	0	N
CD46P1	0.326798989	N	0	N
AL139353.2	0.326998487	N	0	N
CCDC174	0.326998487	N	0	N
CYLC2	0.326998487	N	0	N
DIRC2	0.326998487	N	0	N
HAUS4	0.326998487	N	0	N
OPN5	0.326998487	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
RNASEH2C	0.326998487	N	1	N
SETD9	0.326998487	N	0	N
SOS2	0.326998487	N	3	N
SPAG1	0.326998487	N	0	N
TCP1	0.326998487	N	4	N
ZNF232	0.326998487	N	0	N
ZNF773	0.326998487	N	0	N
AC103987.3	0.32713975	N	0	N
LRRC8E	0.327247165	N	0	N
LRRK1	0.327247165	N	1	N
NLGN3	0.327247165	N	0	N
AC073465.1	0.327642058	N	0	N
NUP107	0.327907286	N	0	N
AC016734.2	0.328110692	N	0	N
C6orf201	0.328204983	N	0	N
RAB4B-EGLN2	0.328225594	N	0	N
SEPHS1P4	0.328225594	N	0	N
RPL15	0.328494098	N	1	N
LINC01230	0.328617081	N	0	N
AL139384.1	0.329074394	N	0	N
SNAP23	0.329074394	N	51	N
LINC01205	0.3291037	N	0	N
LRGUK	0.3291037	N	2	N
HIST2H2BF	0.329335897	N	0	N
TTC7B	0.329382492	N	0	N
ABCC3	0.32996488	N	8	N
AL606490.2	0.32996488	N	0	N
PTPRZ1	0.32996488	N	1	N
ZMYM4	0.32996488	N	0	N
HIST1H4A	0.330098409	N	0	N
MINDY1	0.330316639	N	0	N
AC091925.2	0.330352699	N	0	N
AP002884.5	0.330352699	N	0	N
CDC37L1	0.330352699	N	0	N
COL10A1	0.330352699	N	13	N
CT62	0.330352699	N	0	N
GTF3C5	0.330352699	N	0	N
LAPTM4A	0.330352699	N	0	N
AC010487.1	0.330731839	N	0	N
ALDH6A1	0.330731839	N	4	N
TDRD6	0.330731839	N	0	N
U3	0.330731839	N	9	N
HSPB11	0.330848973	N	1	N
LRRN4	0.330848973	N	0	N
PTPRT	0.330959657	N	1	N
DHRS13	0.33102035	N	0	N
AC018647.1	0.331277676	N	0	N
AL513325.1	0.331277676	N	0	N
BACH1	0.331277676	N	3	N
AC110285.6	0.3313373	N	0	N
NDUFA9	0.331856087	N	4	N
APCDD1	0.331932449	N	1	N
INTU	0.331980939	N	0	N
LHFPL3-AS2	0.331980939	N	0	N
BAMBI	0.332034497	N	4	N
TCEA3	0.33276246	N	0	N
NT5DC1	0.333044575	N	0	N
RASEF	0.333351392	N	0	N
AC007238.1	0.333781915	N	0	N
AC022296.1	0.333781915	N	0	N
AKR1B15	0.333781915	N	0	N
AL121652.1	0.333781915	N	0	N
AL603840.1	0.333781915	N	0	N
AP000842.3	0.333781915	N	0	N
BCL2L2-PABPN1	0.333781915	N	0	N
CBLL1	0.333781915	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
CCNA1	0.333781915	N	4	N
DACT3	0.333781915	N	0	N
DANT2	0.333781915	N	0	N
DHRS12	0.333781915	N	0	N
FBN2	0.333781915	N	2	N
FKBP4	0.333781915	N	2	N
FOXN3	0.333781915	N	4	N
GOLPH3	0.333781915	N	2	N
GRK6	0.333781915	N	4	N
H2AFZ	0.333781915	N	0	N
H2AFZP6	0.333781915	N	0	N
ITGB4	0.333781915	N	1	N
MTCP1	0.333781915	N	0	N
NR1D2	0.333781915	N	4	N
NXNL2	0.333781915	N	0	N
PAGR1	0.333781915	N	1	N
PARD6A	0.333781915	N	2	N
PPM1G	0.333781915	N	3	N
RC3H2	0.333781915	N	0	N
RPL22	0.333781915	N	1	N
RPL7AP30	0.333781915	N	0	N
SCN4B	0.333781915	N	0	N
SUV39H2	0.333781915	N	0	N
SVEP1	0.333781915	N	0	N
TESK2	0.333781915	N	0	N
TICRR	0.333781915	N	0	N
TLK1	0.333781915	N	0	N
TMEM19	0.333781915	N	0	N
TNFRSF11B	0.333781915	N	100	N
VPS8	0.333781915	N	0	N
YIPF5	0.333781915	N	0	N
ZBTB44	0.333781915	N	0	N
AK8	0.333940385	N	0	N
REL	0.333940385	N	60	N
AC006504.8	0.333952851	N	0	N
AC078906.1	0.333952851	N	0	N
AC091940.1	0.333952851	N	0	N
AC099811.5	0.333952851	N	0	N
DMRT2	0.333952851	N	0	N
ER11	0.333952851	N	0	N
LINC00565	0.333952851	N	0	N
LRRC4C	0.333952851	N	0	N
PRSS23	0.333952851	N	0	N
SMPDL3A	0.333952851	N	0	N
LINC01788	0.334202234	N	0	N
AC091804.1	0.334231108	N	0	N
ATMIN	0.334231108	N	4	N
BORCS7	0.334231108	N	0	N
CKAP2L	0.334231108	N	0	N
DCTN3	0.334231108	N	0	N
ITPRIPL1	0.334231108	N	0	N
MYOF	0.334231108	N	0	N
NDST1	0.334231108	N	1	N
QPRT	0.334231108	N	0	N
TMEM268	0.334231108	N	0	N
TRAF6	0.334231108	N	40	N
RPL34P18	0.334279421	N	0	N
UCHL1	0.334552329	N	18	N
ZNF225	0.334552329	N	0	N
ZNF283	0.334552329	N	0	N
AC018371.2	0.334825759	N	0	N
AL136981.2	0.334825759	N	0	N
DNAJB1	0.334825759	N	5	N
GPD1	0.334825759	N	10	N
KHK	0.334825759	N	6	N
SLC6A6P1	0.334957342	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC069222.1	0.335210817	N	0	N
AC022405.1	0.335385419	N	0	N
AC092967.1	0.335385419	N	0	N
ADRA2A	0.335385419	N	359	Y
LBHD1	0.335385419	N	0	N
POLR2H	0.335385419	N	0	N
PTK2B	0.335385419	N	16	N
SOD2	0.335733202	N	109	Y
CORIN	0.335847732	N	13	N
PPP1R3B	0.335847732	N	17	N
MRLN	0.336562067	N	0	N
RN7SL784P	0.33672115	N	0	N
AC005899.8	0.336755655	N	0	N
AL132656.4	0.336755655	N	0	N
C8orf46	0.336755655	N	0	N
GABRA3	0.336755655	N	0	N
HSPB7	0.336755655	N	1	N
IGF2R	0.336755655	N	402	Y
PCDHGC3	0.336755655	N	0	N
POLR2F	0.336755655	N	0	N
POU6F2	0.336755655	N	0	N
SLC39A10	0.336755655	N	1	N
BMS1P20	0.336906673	N	0	N
UBXN2B	0.336906673	N	0	N
ICOSLG	0.337126062	N	0	N
ITGB3	0.337126062	N	15	N
N4BP2L2	0.337126062	N	0	N
AC019178.1	0.337168233	N	0	N
FAM13A-AS1	0.337168233	N	0	N
HEG1	0.337168233	N	1	N
HEPH	0.337168233	N	3	N
PTP4A3	0.337168233	N	0	N
SIRT4	0.337168233	N	29	N
SLCO3A1	0.337168233	N	0	N
TARBP2	0.337168233	N	0	N
CDC14C	0.337347671	N	0	N
LINC01492	0.337347671	N	0	N
ZNF653	0.337347671	N	0	N
AC009054.1	0.337379069	N	0	N
AL133268.1	0.337379069	N	0	N
CEP89	0.337379069	N	0	N
FAM81A	0.337379069	N	0	N
LINC01852	0.337379069	N	0	N
RP11-175O19.4	0.337379069	N	0	N
ZNF699	0.337379069	N	0	N
LIN9	0.337485152	N	0	N
BRCA2	0.337569064	N	44	N
DYNC2LI1	0.337569064	N	0	N
ERI2	0.337569064	N	0	N
ERCC3	0.337705971	N	2	N
RPL34-AS1	0.337705971	N	0	N
BUB3	0.337906685	N	0	N
AC112777.1	0.337965253	N	0	N
GRP	0.337965253	N	153	Y
HMGCLL1	0.337965253	N	0	N
VLDLR-AS1	0.337965253	N	0	N
GSTM5P1	0.338343252	N	0	N
IL20RA	0.338343252	N	1	N
BPTF	0.338602808	N	0	N
TAOK3	0.338602808	N	0	N
ATAD1	0.338629486	N	0	N
AC026356.2	0.338738724	N	0	N
AC079322.1	0.338738724	N	0	N
AP000350.6	0.338738724	N	0	N
ARMCX1	0.338738724	N	0	N
DLG3	0.338738724	N	1	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
FAM96AP2	0.338738724	N	0	N
MORF4L1	0.338738724	N	0	N
NCAPH2	0.338738724	N	0	N
PDZPH1P	0.338738724	N	0	N
SHMT1	0.338738724	N	1	N
TUBAP2	0.338738724	N	0	N
AC115284.2	0.338958912	N	0	N
EVA1A	0.338958912	N	1	N
FGD6	0.338958912	N	0	N
MAZ	0.338958912	N	4	N
RABL6	0.338958912	N	1	N
UBTD2	0.338958912	N	0	N
PIK3C2A	0.339107968	N	8	N
AC245014.3	0.339115305	N	0	N
AP001527.1	0.339115305	N	0	N
KMT5B	0.339115305	N	0	N
RPA3	0.339115305	N	0	N
EXOSC7	0.339496749	N	0	N
AGO1	0.339734876	N	5	N
AHCYL1	0.339734876	N	2	N
DLEU2	0.339734876	N	1	N
FBXO34	0.339734876	N	0	N
KLHL6-AS1	0.339734876	N	0	N
NASP	0.339734876	N	3	N
TNKS	0.339734876	N	11	N
CRB2	0.33978305	N	1	N
PCDHGB4	0.339801655	N	0	N
SLC41A1	0.339801655	N	1	N
STAT5B	0.339833024	N	154	Y
AC026355.1	0.339880648	N	0	N
AC096642.1	0.339880648	N	0	N
AL138762.1	0.339880648	N	0	N
AL445487.1	0.339880648	N	0	N
BNIP3L	0.339880648	N	7	N
DCUN1D3	0.339880648	N	0	N
MON2	0.339880648	N	0	N
PCDHGA5	0.339880648	N	0	N
PIGP	0.339880648	N	0	N
RPA1	0.339880648	N	1	N
SIPA1L1	0.339880648	N	0	N
SNORA59B	0.339880648	N	0	N
SYNE2	0.339880648	N	0	N
ZNF792	0.339880648	N	0	N
LAYN	0.340136373	N	1	N
FBLN2	0.340255263	N	0	N
SMG7	0.340255263	N	0	N
SSTR2	0.340255263	N	93	N
ZFAND3	0.340255263	N	4	N
AC074138.1	0.34043605	N	0	N
GPRIN2	0.34043605	N	0	N
NKPD1	0.34043605	N	0	N
RANGRF	0.34043605	N	1	N
UBALD2	0.34043605	N	0	N
ZBED3-AS1	0.34043605	N	0	N
ZNF321P	0.34043605	N	0	N
BTLA	0.340589881	N	3	N
KIAA1456	0.340589881	N	0	N
RPUSD2	0.340589881	N	0	N
TMED10P1	0.340589881	N	0	N
ZNF254	0.340589881	N	0	N
C5orf30	0.340703705	N	0	N
DPY19L2P3	0.340703705	N	0	N
ATP5G1P4	0.340746967	N	0	N
LSM4	0.340746967	N	0	N
AC016251.2	0.340984036	N	0	N
FAM89A	0.34119635	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC022182.3	0.341470266	N	0	N
AK3P3	0.34150521	N	0	N
ESCO2	0.34150521	N	0	N
LZTS3	0.34150521	N	0	N
MAN2A1	0.34150521	N	0	N
TBC1D22B	0.34150521	N	0	N
AC067968.1	0.341680243	N	0	N
CHCHD1	0.341680243	N	0	N
LRRC75A-AS1	0.341680243	N	0	N
NFYA	0.341680243	N	1	N
PSG5	0.341680243	N	3	N
TMEM9B	0.341680243	N	0	N
ZCCHC3	0.341680243	N	0	N
ZNF585A	0.341680243	N	0	N
SSH1	0.341804358	N	3	N
ENO4	0.342667695	N	0	N
ZW10	0.342667695	N	1	N
DDR2	0.342875388	N	15	N
SNRPCP19	0.342875388	N	0	N
SPOCK3	0.342875388	N	0	N
NF1	0.343133138	N	42	N
CCP110	0.343212758	N	0	N
TMEM229B	0.343212758	N	1	N
AC091057.3	0.343302938	N	0	N
EXOSC3	0.343302938	N	0	N
IL15	0.343302938	N	83	N
TET2	0.343302938	N	11	N
VPS13C	0.343302938	N	9	N
WDR82	0.343302938	N	1	N
CDCA5	0.343338692	N	2	N
EGFL8	0.343338692	N	0	N
AC013644.1	0.343708879	N	0	N
AC018638.6	0.343708879	N	0	N
CUL4B	0.343708879	N	3	N
PLGLB1	0.343708879	N	0	N
AC012676.3	0.343782274	N	0	N
NCOA3	0.343782274	N	22	N
BARD1	0.343942571	N	2	N
USP8	0.343942571	N	5	N
AL080276.1	0.344126473	N	0	N
TYMSOS	0.344126473	N	0	N
KCNN2	0.344128453	N	4	N
RPS4XP2	0.344128453	N	0	N
MAT2A	0.344383995	N	4	N
AC068831.3	0.344429363	N	0	N
AC092474.2	0.344429363	N	0	N
DPP4	0.344429363	N	488	Y
GNL1	0.344429363	N	0	N
HIST1H2BO	0.344429363	N	1	N
KIAA1549	0.344429363	N	0	N
LSG1	0.344429363	N	0	N
MALAT1	0.344429363	N	19	N
NRBF2	0.344429363	N	0	N
PGP	0.344429363	N	30	N
RAI14	0.344429363	N	0	N
SMS	0.344429363	N	336	Y
STIL	0.344429363	N	2	N
SUV39H1	0.344429363	N	5	N
CCDC149	0.344481131	N	0	N
LRRC7	0.344481131	N	0	N
LSM3P2	0.344481131	N	0	N
AP003972.1	0.344620828	N	0	N
BTBD19	0.344620828	N	0	N
ERP44	0.344620828	N	16	N
FGFR1OP	0.344620828	N	2	N
HIST1H2BJ	0.344620828	N	2	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
LRIG1	0.344620828	N	2	N
ST18	0.344620828	N	4	N
ZNF766	0.344620828	N	0	N
AL033543.1	0.344920536	N	0	N
CNN2P9	0.344920536	N	0	N
EXOC2	0.344920536	N	2	N
FAM174A	0.344920536	N	1	N
GALC	0.344920536	N	11	N
TMEM239	0.344920536	N	0	N
AC109446.4	0.344965827	N	0	N
AFP	0.344965827	N	254	Y
HDLBP	0.344965827	N	1	N
PCNX2	0.344965827	N	0	N
SARAF	0.344965827	N	13	N
TMEM56-RWDD3	0.344965827	N	0	N
UBN2	0.344965827	N	0	N
AC015936.1	0.345452852	N	0	N
GPKOW	0.345581993	N	0	N
SCYL2	0.345663221	N	0	N
BTG3-AS1	0.34600284	N	0	N
CCDC134	0.34600284	N	0	N
CEP72	0.34600284	N	0	N
CHIC2	0.34600284	N	0	N
MRPS18BP2	0.34600284	N	0	N
RN7SL220P	0.34600284	N	0	N
RPL23AP82	0.34600284	N	0	N
TAOK1	0.34600284	N	0	N
XX-2136C48.7	0.34600284	N	0	N
STOM	0.346192409	N	1	N
RC3H1	0.346505204	N	0	N
DCUN1D4	0.346526236	N	0	N
NEDD9	0.34687637	N	3	N
AC010531.6	0.347193589	N	0	N
TMEM14EP	0.347193589	N	0	N
AC004925.1	0.347258487	N	0	N
AC007731.5	0.347258487	N	0	N
AMMECR1	0.347258487	N	0	N
C6orf47	0.347258487	N	0	N
CADPS	0.347258487	N	2	N
COA3	0.347258487	N	0	N
CYP51A1P3	0.347258487	N	0	N
HIST1H4C	0.347258487	N	0	N
IL10RB	0.347258487	N	1	N
PIK3CD	0.347258487	N	12	N
AC087289.2	0.347310264	N	0	N
BTBD7P1	0.347310264	N	0	N
CYTH2	0.347310264	N	1	N
KATNA1	0.347310264	N	0	N
KIF5C	0.347310264	N	0	N
TMEM86B	0.347310264	N	0	N
RCC1	0.347557754	N	1	N
FAM214A	0.347559773	N	0	N
STOML2	0.347559773	N	2	N
Z68871.1	0.347559773	N	0	N
HASPIN	0.347698833	N	0	N
SLC7A7	0.347698833	N	2	N
AP000654.1	0.347866182	N	0	N
HNRNPR	0.347931796	N	0	N
LINC00937	0.347931796	N	0	N
MRPL46	0.347931796	N	0	N
SDCCAG8	0.347931796	N	1	N
ZFP14	0.347931796	N	0	N
AL357033.1	0.348255166	N	0	N
C16orf91	0.348255166	N	0	N
FAM149A	0.348340794	N	0	N
LRRCC1	0.348438659	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC110048.2	0.348444555	N	0	N
CALD1	0.348525772	N	1	N
IQCC	0.348594118	N	1	N
APBA2	0.348727117	N	1	N
COX20	0.349238058	N	0	N
NTN3	0.349238058	N	0	N
AC048382.2	0.349365214	N	0	N
ARL1	0.349451605	N	1	N
CPEB2	0.349451605	N	1	N
TTC4	0.349451605	N	0	N
AC016582.3	0.349598355	N	0	N
SELENOP	0.349598355	N	8	N
CCL16	0.349774392	N	0	N
IL6	0.349774392	N	787	Y
RFWD3	0.349774392	N	0	N
ZYG11A	0.349774392	N	1	N
AC105749.1	0.34984871	N	0	N
TRAF6P1	0.34984871	N	0	N
AC073310.1	0.349874665	N	0	N
AC117947.1	0.349874665	N	0	N
EPB41L4A-AS2	0.349874665	N	0	N
SMILR	0.349874665	N	0	N
BRDT	0.350419263	N	1	N
MTRF2	0.35068975	N	0	N
MED20	0.350783613	N	0	N
PCDHGB8P	0.350783613	N	0	N
RABGAP1	0.350783613	N	2	N
TPT1	0.350783613	N	2	N
AC010226.1	0.350915519	N	0	N
GPR85	0.350915519	N	1	N
KIF9-AS1	0.351254751	N	0	N
KNOP1P4	0.351254751	N	0	N
PRUNE1	0.35127989	N	0	N
F2RL3	0.3513636	N	0	N
NKAIN2	0.351382697	N	0	N
AC012073.1	0.35158782	N	0	N
ENOSF1	0.35158782	N	0	N
LINC00892	0.35158782	N	0	N
MYLK2	0.35158782	N	1	N
TMCC1	0.35158782	N	0	N
FRG1BP	0.35159562	N	0	N
DUSP11	0.352080335	N	0	N
AC026700.1	0.352660508	N	0	N
AC120049.1	0.352660508	N	0	N
SOAT1	0.352660508	N	2	N
AC013468.1	0.352977186	N	0	N
AC104109.4	0.352977186	N	0	N
AL662795.2	0.352977186	N	0	N
AP000446.1	0.352977186	N	0	N
AC099343.3	0.353123574	N	0	N
AL022311.1	0.353465983	N	0	N
AL035448.1	0.353465983	N	0	N
SLC4A7	0.353465983	N	0	N
GRID2	0.353673996	N	0	N
ALKBH8	0.353802361	N	0	N
ENPP2	0.353802361	N	9	N
MCM4	0.353802361	N	1	N
NPTX1	0.353802361	N	1	N
SND1-IT1	0.353802361	N	0	N
MCUB	0.35382453	N	0	N
REXO4	0.35401455	N	0	N
UBB	0.35401455	N	3	N
XRCC6	0.35401455	N	16	N
AC016999.2	0.354192539	N	0	N
UBE2R2	0.354192539	N	0	N
AC000123.2	0.354398458	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC061965.1	0.354398458	N	0	N
ASS1	0.354398458	N	3	N
C7orf69	0.354398458	N	0	N
CKLF	0.354398458	N	1	N
NPEPPS	0.354398458	N	0	N
RHOQ	0.354398458	N	36	N
RHOXF1-AS1	0.354398458	N	0	N
TMEM223	0.354436817	N	0	N
AC123768.4	0.354464808	N	0	N
AC097634.1	0.354864368	N	0	N
AC131009.3	0.354864368	N	0	N
COQ2	0.354864368	N	3	N
ZFP28	0.354864368	N	0	N
AC084757.3	0.354953619	N	0	N
AC003973.3	0.355141721	N	0	N
AL683813.1	0.355141721	N	0	N
DNAAF4-CCPG1	0.355141721	N	0	N
ITM2B	0.355141721	N	5	N
LSM10	0.355297967	N	0	N
AC100771.1	0.355341555	N	0	N
AC113189.4	0.355341555	N	0	N
ACTR5	0.355341555	N	0	N
COG4	0.355341555	N	0	N
DOCK7	0.355341555	N	5	N
FAM181B	0.355341555	N	0	N
FAM78A	0.355341555	N	0	N
HIST1H4L	0.355341555	N	1	N
KRT9	0.355341555	N	0	N
PCDH10	0.355341555	N	1	N
PCDHGB1	0.355341555	N	0	N
SLC25A34	0.355341555	N	0	N
KEAP1	0.355576468	N	61	N
FAM86DP	0.35568831	N	0	N
TEP1	0.35568831	N	9	N
UMPS	0.35568831	N	0	N
AC004943.2	0.355987195	N	0	N
AL137141.1	0.355987195	N	0	N
APIG1	0.355987195	N	0	N
HIST2H2AB	0.355987195	N	0	N
OBSCN-AS1	0.355987195	N	0	N
POLR2KP1	0.355987195	N	0	N
XRCC1	0.355987195	N	4	N
AC097103.2	0.356140618	N	0	N
NPY	0.356140618	N	912	Y
AC087854.1	0.356251105	N	0	N
ANO1	0.356251105	N	8	N
PRSS35	0.356251105	N	0	N
UBE2F-SCLY	0.356251105	N	1	N
EEF1A1P24	0.35649732	N	0	N
ARHGEF40	0.356555508	N	0	N
LINC00294	0.356555508	N	0	N
PALM2	0.356555508	N	0	N
PLEKHA6	0.35661541	N	0	N
RN7SKP245	0.35661541	N	0	N
WDR78	0.35661541	N	0	N
ARHGEF38	0.356685658	N	0	N
MCC	0.356685658	N	63	N
RNF185	0.356685658	N	0	N
SCDP1	0.356685658	N	0	N
STEAP4	0.356685658	N	26	N
TTYH2	0.356685658	N	0	N
ZFP37	0.356685658	N	0	N
AC105339.3	0.356793162	N	0	N
ACVR2A	0.356793162	N	1	N
ADGRF3	0.356793162	N	0	N
ATXN10	0.356793162	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
FOXO4	0.356793162	N	71	N
KCTD19	0.356793162	N	0	N
SNRNP25	0.356793162	N	1	N
ZNF420	0.356793162	N	0	N
MND1	0.356794889	N	0	N
CACNA1I	0.357271331	N	1	N
AL161891.1	0.357479271	N	0	N
MRPL16	0.357479271	N	0	N
AC005154.1	0.357765385	N	0	N
CACNA1E	0.357765385	N	15	N
HSP90B2P	0.357765385	N	0	N
RNF11	0.35795747	N	0	N
ULK4P2	0.358109905	N	0	N
HIST1H2BC	0.358177093	N	0	N
NUFIP2	0.358219087	N	0	N
AC024060.1	0.35827124	N	0	N
NUP35P1	0.35827124	N	0	N
ZNF804A	0.35827124	N	0	N
ARL14EP	0.358306517	N	0	N
ADGRG1	0.358348781	N	3	N
AL078459.1	0.358348781	N	0	N
AL590867.1	0.358399055	N	0	N
CCDC15	0.358399055	N	0	N
EEF1D	0.358399055	N	1	N
NBPF13P	0.358399055	N	0	N
SFXN2	0.358399055	N	1	N
UBR5	0.358399055	N	1	N
NFE2L1	0.358883397	N	7	N
SMARCE1P5	0.358917008	N	0	N
UVRAG	0.358917008	N	5	N
KIAA0513	0.359312347	N	0	N
CFLAR	0.35945893	N	13	N
GABPB1-AS1	0.35945893	N	0	N
AC084033.3	0.359792705	N	0	N
PATL2	0.359792705	N	0	N
RPEL1	0.359792705	N	0	N
CRIP1	0.359917091	N	1	N
OPN3	0.359917091	N	0	N
CEP128	0.360042362	N	0	N
FAM69A	0.360572691	N	0	N
TSPYL5	0.360895206	N	0	N
PIK3IP1	0.360920342	N	3	N
AC027335.1	0.361326828	N	0	N
AC079328.2	0.361326828	N	0	N
AC093726.2	0.361326828	N	0	N
AC139365.1	0.361326828	N	0	N
AL078621.1	0.361326828	N	0	N
AL137003.1	0.361326828	N	0	N
AL713866.1	0.361326828	N	0	N
AP000275.2	0.361326828	N	0	N
AP001486.2	0.361326828	N	0	N
ARID5B	0.361326828	N	1	N
ARRDC3	0.361326828	N	0	N
ART4	0.361326828	N	0	N
CCT5P2	0.361326828	N	0	N
CD14	0.361326828	N	380	Y
DARS-AS1	0.361326828	N	0	N
DRAM1	0.361326828	N	3	N
EIF2S2P5	0.361326828	N	0	N
ENC1	0.361326828	N	2	N
ENO1-IT1	0.361326828	N	0	N
FAM120A	0.361326828	N	1	N
FAM184A	0.361326828	N	0	N
FAM72B	0.361326828	N	0	N
HNRNPAB	0.361326828	N	1	N
LINC00924	0.361326828	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
MRPS16P2	0.361326828	N	0	N
PCDHB11	0.361326828	N	0	N
PCDHGA7	0.361326828	N	0	N
PDE8B	0.361326828	N	9	N
PTOV1-AS2	0.361326828	N	0	N
RAB14	0.361326828	N	15	N
SLC16A14	0.361326828	N	0	N
SLC30A7	0.361326828	N	3	N
UBE3B	0.361326828	N	0	N
WDR74	0.361326828	N	0	N
ZBTB25	0.361326828	N	0	N
ZNF720	0.361326828	N	0	N
REEP4	0.361512641	N	0	N
TMEM230	0.361512641	N	0	N
TOE1	0.361512641	N	0	N
AL391822.1	0.3616392	N	0	N
AL031595.2	0.361963272	N	0	N
AL359643.3	0.361963272	N	0	N
CEACAM19	0.361963272	N	0	N
IRGQ	0.361963272	N	0	N
KCNF1	0.361963272	N	0	N
LSM6	0.361963272	N	0	N
MR1	0.361963272	N	5	N
MTHFD2P6	0.361963272	N	0	N
PEX5	0.361963272	N	4	N
RP11-944L7.5	0.361963272	N	0	N
STIP1	0.361963272	N	1	N
TMEM150A	0.361963272	N	0	N
TMEM80	0.361963272	N	0	N
TP53INP1	0.361963272	N	7	N
ZNF432	0.361963272	N	0	N
AC008498.1	0.362193144	N	0	N
AL021546.1	0.362193144	N	0	N
CPSF4	0.362251354	N	0	N
FANCL	0.362251354	N	5	N
FAM45A	0.362339826	N	0	N
YWHABP1	0.362339826	N	0	N
KIAA0825	0.362411662	N	0	N
AC005102.1	0.362454417	N	0	N
AL357515.1	0.362454417	N	0	N
IPO5P1	0.362454417	N	0	N
FSD1	0.362623025	N	0	N
MN1	0.362692201	N	2	N
CLCN3	0.362754316	N	2	N
HIST1H2BB	0.362754316	N	0	N
LEPROT	0.362754316	N	7	N
ZNF181	0.362759549	N	0	N
C1GALT1P1	0.363075678	N	0	N
EXOSC1	0.363075678	N	0	N
SC5D	0.363240525	N	0	N
ACAD11	0.363260682	N	0	N
FAM45BP	0.363260682	N	0	N
MIR4697HG	0.363260682	N	0	N
IMPA1	0.364032751	N	2	N
AP006621.5	0.364167616	N	0	N
ZNF350-AS1	0.364167616	N	0	N
STRBP	0.364837418	N	0	N
DONSON	0.364868295	N	1	N
WASH2P	0.365338519	N	0	N
AC012464.2	0.36559744	N	0	N
CSNK1A1L	0.36574732	N	0	N
CSF3	0.366055566	N	4	N
AC023905.1	0.366099462	N	0	N
FAM168A	0.366099462	N	0	N
FAM220A	0.366132954	N	0	N
AC002480.4	0.366488247	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC004846.1	0.366488247	N	0	N
AC006946.2	0.366488247	N	0	N
AC009055.2	0.366488247	N	0	N
AC073910.1	0.366488247	N	0	N
AC097534.2	0.366488247	N	0	N
ADAT1	0.366488247	N	0	N
AL365356.5	0.366488247	N	0	N
AP1M1	0.366488247	N	1	N
ATXN3	0.366488247	N	4	N
CAMK2D	0.366488247	N	8	N
CU638689.4	0.366488247	N	0	N
DUT	0.366488247	N	1	N
EIF2AK3	0.366488247	N	60	N
FAM167A	0.366488247	N	0	N
FOXN3P1	0.366488247	N	0	N
HPS1	0.366488247	N	1	N
HSPA8P3	0.366488247	N	0	N
KCTD5	0.366488247	N	0	N
KLHL7	0.366488247	N	1	N
LRIG2	0.366488247	N	0	N
MROH6	0.366488247	N	0	N
NANS	0.366488247	N	2	N
OSER1-AS1	0.366488247	N	0	N
OXCT1	0.366488247	N	1	N
TAMM41	0.366488247	N	0	N
TFIP11	0.366488247	N	0	N
TNKS2	0.366488247	N	4	N
TLL13P	0.366488247	N	0	N
TWIST2	0.366488247	N	4	N
UBE2WP1	0.366488247	N	0	N
USP13	0.366488247	N	0	N
VIT	0.366488247	N	121	Y
WRAP73	0.366488247	N	0	N
YEATS2-AS1	0.366488247	N	0	N
ZNF229	0.366488247	N	0	N
ZSWIM7	0.366488247	N	0	N
CDK4	0.366735826	N	168	Y
AL121753.2	0.366798138	N	0	N
TBCK	0.366798138	N	0	N
KALRN	0.366799289	N	0	N
TRUB2	0.366799289	N	0	N
AC010542.4	0.366884804	N	0	N
ANKAR	0.366884804	N	0	N
TBC1D8B	0.367293902	N	0	N
F10	0.367316618	N	36	N
KDM4C	0.367316618	N	0	N
KIF18B	0.367316618	N	0	N
LRRC4	0.367316618	N	1	N
PPM1K	0.367316618	N	9	N
AMFR	0.367407531	N	6	N
MGAT5	0.367407531	N	2	N
Z93930.2	0.367407531	N	0	N
AKR1C3	0.36746201	N	18	N
AL136531.1	0.36746201	N	0	N
NKX3-2	0.36746201	N	1	N
BAG3	0.367632863	N	3	N
NCMAP	0.367723268	N	0	N
UNK	0.367723268	N	10	N
TMOD1	0.367759621	N	1	N
ABAT	0.367931525	N	2	N
AC244517.1	0.367931525	N	0	N
BRIP1	0.367931525	N	1	N
COX7CP1	0.367931525	N	0	N
CYP2D7	0.367931525	N	0	N
IQGAP1	0.367931525	N	15	N
LINC00857	0.367931525	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
MALAT1	0.367931525	N	19	N
METTL13	0.367931525	N	1	N
PANX1	0.367931525	N	7	N
SLC9A8	0.367931525	N	0	N
TUBA1B	0.367931525	N	1	N
VMAC	0.367931525	N	0	N
ZBTB43	0.367931525	N	0	N
SBF2	0.367987847	N	0	N
MAP3K21	0.368307734	N	0	N
SRSF3	0.368307734	N	8	N
AL031729.1	0.368466805	N	0	N
C16orf59	0.368466805	N	0	N
COG5	0.368466805	N	0	N
IDS	0.368466805	N	72	N
NCSTN	0.368466805	N	2	N
SERINC5	0.368466805	N	0	N
TRPC4AP	0.368466805	N	2	N
ZSWIM6	0.368466805	N	0	N
WNT9B	0.368655771	N	2	N
ZNF776	0.368655771	N	0	N
MCM5	0.368902086	N	2	N
NAP1L3	0.368902086	N	0	N
GOLGB1	0.369150579	N	0	N
RN7SL832P	0.369150579	N	0	N
TMOD2	0.369153369	N	0	N
CNTNAP1	0.369248626	N	1	N
SUMF1	0.369248626	N	0	N
AL355916.3	0.369398143	N	0	N
EXT2	0.369412677	N	10	N
FST	0.369412677	N	82	N
RPP30	0.369412677	N	0	N
SUGCT	0.369412677	N	0	N
AC008115.3	0.36989409	N	0	N
LAMTOR3	0.36989409	N	1	N
RNF38	0.36989409	N	0	N
MDK	0.370615092	N	4	N
LINC01278	0.370885963	N	0	N
FAM83F	0.370918164	N	0	N
FUNDC1	0.370918164	N	2	N
LANCL2	0.370918164	N	13	N
MT1F	0.370918164	N	0	N
AC005005.3	0.371129582	N	0	N
AC017083.2	0.371129582	N	0	N
AP000350.2	0.371129582	N	0	N
CD40	0.371129582	N	197	Y
EZR	0.371129582	N	3	N
GTF2IRD2B	0.371129582	N	0	N
LINC00910	0.371129582	N	0	N
PIAS3	0.371129582	N	2	N
RAB7B	0.371129582	N	0	N
TMEM47	0.371129582	N	0	N
AC002350.1	0.371298511	N	0	N
AL138828.2	0.371298511	N	0	N
CENPU	0.371298511	N	0	N
CETN2	0.371298511	N	1	N
FBL	0.371298511	N	0	N
KDM5C	0.371298511	N	1	N
LETM2	0.371298511	N	0	N
STARD13	0.371298511	N	4	N
AC012615.1	0.371416218	N	0	N
AC067863.1	0.371416218	N	0	N
AC080013.5	0.371416218	N	0	N
LRCH3	0.371416218	N	0	N
SARM1	0.371416218	N	2	N
TAF7L	0.371416218	N	0	N
ECH1	0.371626051	N	4	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
CTAGE1	0.371735686	N	0	N
AC092919.2	0.371979924	N	0	N
ELMO2	0.371979924	N	1	N
GEMIN2	0.371979924	N	1	N
TRAM1	0.37250957	N	2	N
PGM1	0.372513616	N	14	N
FAM173B	0.372631867	N	0	N
LINC01951	0.372631867	N	0	N
S100A11	0.372631867	N	2	N
AC121761.1	0.372731793	N	0	N
NKX1-1	0.372731793	N	0	N
NOVA1	0.372731793	N	3	N
POLE3	0.372731793	N	0	N
R3HCC1	0.372731793	N	0	N
ZNF737	0.372731793	N	0	N
RASL10A	0.372750485	N	0	N
WIP1	0.372825346	N	2	N
CDRT1	0.373702269	N	0	N
METT125	0.373702269	N	0	N
PLEKHG1	0.373702269	N	0	N
POP7	0.373702269	N	0	N
ZBTB34	0.373702269	N	0	N
ZXDB	0.373702269	N	0	N
AC013391.2	0.373901441	N	0	N
SPA17	0.373901441	N	1	N
SPTBN4	0.373901441	N	0	N
YPEL5	0.373932528	N	0	N
PCAT6	0.374271581	N	0	N
SLC16A4	0.374271581	N	6	N
STARD3NL	0.374271581	N	0	N
RFX3	0.374440683	N	3	N
AC000403.1	0.37503291	N	0	N
AL161421.1	0.37503291	N	0	N
DDAH1	0.37503291	N	7	N
SNHG18	0.37503291	N	0	N
UPK1A-AS1	0.37503291	N	0	N
RWDD2A	0.375195526	N	0	N
ATP6V0E2-AS1	0.375241639	N	0	N
TVP23C-CDRT4	0.375241639	N	0	N
SHC4	0.375310451	N	2	N
AKAP8	0.375848683	N	1	N
BBX	0.375848683	N	1	N
BNIP2	0.375848683	N	0	N
CBFB	0.375848683	N	2	N
CDAN1	0.375848683	N	0	N
CLCA2	0.375848683	N	0	N
CTD-2521M24.9	0.375848683	N	0	N
DSE	0.375848683	N	19	N
ENOX1-AS1	0.375848683	N	0	N
FIGL2	0.375848683	N	0	N
HIST1H4F	0.375848683	N	0	N
HPRT1P1	0.375848683	N	0	N
KPTN	0.375848683	N	0	N
MFS2A	0.375848683	N	1	N
PPIEL	0.375848683	N	0	N
PTGFRN	0.375848683	N	1	N
SCUBE1	0.375848683	N	2	N
TRPS1	0.375848683	N	1	N
AC092620.2	0.37605123	N	0	N
AMH	0.37605123	N	236	Y
C19orf48	0.37605123	N	0	N
C1orf229	0.37605123	N	0	N
C1orf54	0.37605123	N	0	N
GNAQ	0.37605123	N	4	N
IPPK1	0.37605123	N	0	N
MYLK3	0.37605123	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
RAD51AP1	0.37605123	N	1	N
SFT2D2	0.37605123	N	0	N
OLFML3	0.37614392	N	0	N
AC099811.1	0.376252041	N	0	N
CBR3	0.376366975	N	4	N
GJC2	0.376366975	N	0	N
HAS2	0.376366975	N	19	N
ODF2L	0.376366975	N	0	N
IGFBP7	0.376443064	N	282	Y
PSAP	0.376443064	N	10	N
F2RL2	0.376580577	N	1	N
INPP5B	0.376996513	N	1	N
HSPE1P13	0.377051228	N	0	N
BCS1L	0.377221512	N	1	N
ESPNP	0.377221512	N	0	N
ZNF37BP	0.377221512	N	0	N
AC062017.1	0.37753264	N	0	N
AC137630.1	0.37753264	N	0	N
C15orf41	0.37753264	N	0	N
CSNK1A1	0.37753264	N	0	N
FARP2	0.37753264	N	0	N
FEN1	0.37753264	N	3	N
LINC02486	0.37753264	N	0	N
PER3	0.37753264	N	25	N
RNM1L1P2	0.37753264	N	0	N
TBCD	0.37753264	N	0	N
TLX2	0.37753264	N	1	N
TUBA1C	0.37753264	N	0	N
ZNF275	0.37753264	N	0	N
TRNP1	0.377719149	N	0	N
MAML2	0.378127639	N	0	N
SLC6A8	0.378127639	N	2	N
ZFPM2-AS1	0.378251402	N	0	N
FBXO11	0.378420377	N	1	N
GARNL3	0.378420377	N	0	N
AC090398.1	0.378758391	N	0	N
IL34	0.37934727	N	0	N
SLC35F6	0.37934727	N	0	N
SLC36A1	0.37934727	N	8	N
STX6	0.37934727	N	2	N
ACTR3B	0.379389081	N	0	N
KCNB1	0.379389081	N	32	N
PIGT	0.379928597	N	3	N
SPAG8	0.380019171	N	1	N
AC005618.2	0.380046736	N	0	N
SLC2A3	0.380342907	N	132	Y
FANCA	0.380491884	N	5	N
SPATA33	0.381065516	N	0	N
MESTP3	0.381214788	N	0	N
ASB4	0.381232369	N	4	N
PPP2CA	0.38139232	N	6	N
DCLK2	0.381500296	N	0	N
AC032011.1	0.381536068	N	0	N
BOLA3	0.381536068	N	0	N
BSN-AS2	0.381536068	N	0	N
BUB1B-PAK6	0.381536068	N	0	N
COLGALT2	0.381536068	N	0	N
GNG4	0.381536068	N	1	N
MYO15A	0.381536068	N	0	N
SRD5A2	0.381536068	N	44	N
USP46	0.381536068	N	0	N
AC107871.1	0.38154994	N	0	N
AC135803.1	0.38154994	N	0	N
AL078645.1	0.38154994	N	0	N
HIST1H1C	0.38154994	N	0	N
KDM5C-IT1	0.38154994	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
OSTCP5	0.38154994	N	0	N
SLC35F4	0.38154994	N	0	N
THOP1	0.38154994	N	0	N
ZNF559-ZNF177	0.38154994	N	0	N
CHD6	0.382529905	N	0	N
PRKACB	0.382529905	N	1	N
MAF	0.382551605	N	323	Y
TIMP2	0.382551605	N	91	N
PRIMPOL	0.382735231	N	0	N
GALNT10	0.382879462	N	0	N
H3F3B	0.382879462	N	0	N
RRP36	0.382879462	N	0	N
GSN	0.38291343	N	5	N
APBB3	0.383380842	N	0	N
DLX1	0.383380842	N	2	N
IQSEC2	0.383380842	N	1	N
AL356124.1	0.383581423	N	0	N
FBXO25	0.383581423	N	0	N
XBPIP1	0.383581423	N	0	N
CSNK1G1	0.383583806	N	0	N
EBP	0.383583806	N	445	Y
EIF4BP6	0.383583806	N	0	N
ZBTB2	0.383583806	N	1	N
AL353726.2	0.383627051	N	0	N
AL354943.1	0.383681134	N	0	N
AL359232.1	0.383681134	N	0	N
CMSS1	0.383681134	N	0	N
GGPS1	0.383681134	N	6	N
MRPS26	0.383681134	N	0	N
RNVU1-6	0.383681134	N	0	N
ZNF280D	0.383681134	N	0	N
TMEM213	0.384115503	N	0	N
AC006504.1	0.384238503	N	0	N
AC099398.1	0.384238503	N	0	N
AC138907.10	0.384238503	N	0	N
ACYP2	0.384238503	N	0	N
GALT	0.384238503	N	18	N
MPZL3	0.384238503	N	1	N
NUBP1	0.384238503	N	1	N
B3GALT2	0.384868061	N	0	N
PDIA3P1	0.384868061	N	0	N
PPP3CB	0.384868061	N	2	N
SLC1A5	0.384868061	N	15	N
SLC35C2	0.384868061	N	0	N
USP30	0.384868061	N	0	N
ZNF106	0.384942759	N	0	N
AC008040.3	0.385044473	N	0	N
AC211476.2	0.385044473	N	0	N
DBT	0.385044473	N	26	N
DNAJA4	0.385044473	N	0	N
FUBP1	0.385044473	N	0	N
ZIC5	0.385044473	N	0	N
PRAP1	0.385294865	N	0	N
RAE1	0.385294865	N	4	N
SLC25A21-AS1	0.385294865	N	0	N
WRAP53	0.385294865	N	1	N
FKBP14	0.385779057	N	0	N
HBP1	0.385779057	N	13	N
MMP19	0.385779057	N	0	N
MRPL24	0.385779057	N	0	N
PLEKHS1	0.385779057	N	1	N
NEMP1	0.385855003	N	0	N
AL136298.3	0.385951753	N	0	N
CISD3	0.385951753	N	0	N
MCTP1	0.385951753	N	0	N
TMEM263	0.385951753	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC026801.3	0.38595898	N	0	N
FCHO2	0.38595898	N	0	N
RNASE4	0.38595898	N	1	N
DRD2	0.386380769	N	38	N
H2AFY	0.386380769	N	1	N
NUP85	0.386380769	N	0	N
SUCLA2P3	0.386380769	N	0	N
VWA8	0.386380769	N	0	N
PLP1	0.386569235	N	3	N
TMEM233	0.386720673	N	0	N
AC093642.2	0.386931138	N	0	N
CCNB1IP1	0.387060228	N	0	N
HTR4	0.387093205	N	0	N
SDC3	0.387093205	N	1	N
SNHG5	0.387093205	N	1	N
Z99127.3	0.387093205	N	0	N
CYLD	0.387093865	N	1	N
GDE1	0.387093865	N	0	N
PDGFD	0.387093865	N	1	N
KIF1A	0.387120117	N	1	N
AL031985.3	0.387168455	N	0	N
GABRA2	0.387168455	N	0	N
GMPPB	0.387168455	N	0	N
NDUFAF4P4	0.387168455	N	0	N
TMEM11	0.387168455	N	0	N
RIPK3	0.387197234	N	7	N
RPL37P6	0.387318091	N	0	N
AC108024.1	0.387463773	N	0	N
AL159972.1	0.387463773	N	0	N
RAD51B	0.387463773	N	1	N
HP1BP3	0.387486531	N	1	N
FLVCR1-AS1	0.387715341	N	0	N
EVX2	0.387719999	N	0	N
RDH10-AS1	0.387719999	N	0	N
MOCS1P1	0.387830273	N	0	N
PAFAH1B1	0.387830273	N	0	N
SNRPF1	0.387830273	N	0	N
EXOSC8	0.388134727	N	0	N
LINC00622	0.388266335	N	0	N
PTCH1	0.388645797	N	34	N
ZFP3	0.388743422	N	0	N
JMJD1C	0.388850803	N	2	N
SEMA4G	0.388850803	N	0	N
ZNF33A	0.388850803	N	0	N
ATAD2B	0.388998484	N	0	N
MAPRE1	0.388998484	N	4	N
PTTG2	0.388998484	N	0	N
UBL3	0.388998484	N	0	N
ADAMTS18	0.390188786	N	0	N
AL078604.2	0.390424143	N	0	N
AL163636.2	0.390424143	N	0	N
CENPS	0.390528163	N	1	N
CRAT37	0.390528163	N	0	N
LINC01059	0.390528163	N	0	N
MRPL37P1	0.390528163	N	0	N
ZNF48	0.390528163	N	0	N
AC005495.1	0.390785028	N	0	N
AC021148.1	0.390785028	N	0	N
AL449106.1	0.390785028	N	0	N
ARSA	0.390785028	N	6	N
CARNS1	0.390785028	N	1	N
CFAP52	0.390785028	N	0	N
CMC2	0.390785028	N	0	N
DNA2	0.390785028	N	2	N
DPY19L2P1	0.390785028	N	0	N
FABP3	0.390785028	N	49	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
FAM13C	0.390785028	N	0	N
FN3KRP	0.390785028	N	2	N
GJA3	0.390785028	N	0	N
HIST1H2AI	0.390785028	N	0	N
HLA-J	0.390785028	N	1	N
HNRNPH1P2	0.390785028	N	0	N
INSC	0.390785028	N	5	N
KIF1B	0.390785028	N	1	N
LINC00174	0.390785028	N	0	N
LINC00665	0.390785028	N	0	N
LINC00839	0.390785028	N	0	N
LIPA	0.390785028	N	22	N
MRPL11	0.390785028	N	0	N
NOP56	0.390785028	N	1	N
PCYT1A	0.390785028	N	2	N
PLEKHA8	0.390785028	N	0	N
PRIM1	0.390785028	N	1	N
PSMG4	0.390785028	N	0	N
RBM24	0.390785028	N	0	N
RBM43	0.390785028	N	0	N
RETREG3	0.390785028	N	0	N
RP11-434B12.1	0.390785028	N	0	N
TAF5	0.390785028	N	0	N
TMEM189-UBE2V1	0.390785028	N	0	N
TOMM22	0.390785028	N	0	N
TONSL	0.390785028	N	0	N
TUBB2B	0.390785028	N	1	N
UBE4A	0.390785028	N	1	N
XKR9	0.390785028	N	0	N
ZFP36L1	0.390785028	N	6	N
ZNF789	0.390785028	N	0	N
ZNF883	0.390785028	N	0	N
AARD	0.390826442	N	0	N
AC005005.4	0.390826442	N	0	N
AC007560.1	0.390826442	N	0	N
COA6	0.390826442	N	0	N
DERA	0.390826442	N	3	N
DNMBP-AS1	0.390826442	N	0	N
KBTBD13	0.390826442	N	0	N
LOX	0.390826442	N	201	Y
NOTUM	0.390826442	N	2	N
PDXDC1	0.390826442	N	2	N
RCSD1	0.390826442	N	0	N
SCAF8	0.390826442	N	0	N
SNCAIP	0.390826442	N	0	N
ZNF641	0.390826442	N	0	N
ZNF696	0.390826442	N	0	N
RUNX1T1	0.390955718	N	3	N
AC127070.3	0.391027467	N	0	N
AC139700.1	0.391027467	N	0	N
LPGAT1	0.391027467	N	1	N
METTL21A	0.391027467	N	0	N
RASL11B	0.391027467	N	0	N
ZEB1	0.391027467	N	21	N
ZNF557	0.391027467	N	0	N
AC068760.1	0.391143094	N	0	N
ANKH	0.391143094	N	4	N
APOO	0.391143094	N	1	N
C1QTNF2	0.391143094	N	0	N
CLGN	0.391143094	N	1	N
FREM2	0.391143094	N	0	N
METTL27	0.391143094	N	0	N
NAV2	0.391143094	N	0	N
SLC25A5	0.391143094	N	0	N
ZSCAN23	0.391143094	N	0	N
AC003092.1	0.391407459	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC009032.1	0.391407459	N	0	N
AC026150.1	0.391407459	N	0	N
ACER2	0.391407459	N	1	N
C4orf46	0.391407459	N	0	N
CCDC180	0.391407459	N	0	N
CIRBP-AS1	0.391407459	N	0	N
CRLS1	0.391407459	N	1	N
DMXL1	0.391407459	N	0	N
DUSP16	0.391407459	N	4	N
HECA	0.391407459	N	1	N
HIST1H2BG	0.391407459	N	0	N
HIST1H2BN	0.391407459	N	0	N
LANCL3	0.391407459	N	0	N
MSR1	0.391407459	N	6	N
NOG	0.391407459	N	8	N
NTRK1	0.391407459	N	4	N
PRELID1	0.391407459	N	0	N
PRR34-AS1	0.391407459	N	0	N
PSPC1	0.391407459	N	1	N
TPM3	0.391407459	N	55	N
TPTE2P6	0.391407459	N	0	N
AC090877.2	0.391451167	N	0	N
AL121944.1	0.391451167	N	0	N
C21orf59	0.391451167	N	0	N
DLG2	0.391451167	N	3	N
IPCEF1	0.391451167	N	0	N
UBLCP1	0.391451167	N	0	N
ZNF415	0.391451167	N	0	N
DPY19L3	0.391610892	N	0	N
TERF2IP	0.391610892	N	4	N
AC016027.3	0.391656105	N	0	N
ASB16-AS1	0.391656105	N	0	N
MKI67P1	0.391656105	N	0	N
OR10A6	0.391656105	N	0	N
AC007485.2	0.39172996	N	0	N
CD33	0.39172996	N	11	N
FKBP4P1	0.39172996	N	0	N
TTC25	0.39202971	N	0	N
C1orf198	0.392033633	N	0	N
ADCY9	0.392058059	N	1	N
AL357134.1	0.392058059	N	0	N
CUL7	0.392058059	N	14	N
FBXW11	0.392058059	N	0	N
MRPL39	0.392058059	N	0	N
POP1	0.392058059	N	0	N
PRMT7	0.392058059	N	0	N
PTEN	0.392058059	N	819	Y
RRAGB	0.392058059	N	1	N
SCIN	0.392058059	N	0	N
SLC25A19	0.392058059	N	0	N
TAF1A	0.392058059	N	0	N
ZBTB16	0.392058059	N	12	N
GRHL2	0.392159864	N	0	N
HSPB6	0.392159864	N	9	N
Z83843.1	0.392159864	N	0	N
AL160006.1	0.392182673	N	0	N
FJX1	0.392182673	N	0	N
KMT5A	0.392182673	N	0	N
ADAM32	0.392310035	N	1	N
NRSN2	0.392310035	N	0	N
CFAP69	0.392337305	N	0	N
GPR75	0.392337305	N	3	N
AC022364.1	0.392703302	N	0	N
ATL2	0.392703302	N	1	N
TUFT1	0.392703302	N	0	N
COL8A2	0.392713075	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC005324.3	0.393134059	N	0	N
AC007923.1	0.393134059	N	0	N
CNTNAP4	0.393134059	N	1	N
ETV6	0.393134059	N	14	N
HVCN1	0.393785982	N	0	N
GRK6P1	0.393813077	N	0	N
HIST1H4B	0.393884593	N	0	N
PUM1	0.39395312	N	0	N
CXCL1	0.394311476	N	79	N
AP001527.2	0.394470763	N	0	N
GPATCH4	0.394715889	N	0	N
JPT2	0.394826919	N	0	N
AC068446.1	0.394934002	N	0	N
SCGB2B2	0.394992125	N	0	N
CHRM2	0.395040553	N	2	N
AC008507.4	0.395214252	N	0	N
AC020658.4	0.395214252	N	0	N
CCDC129	0.395214252	N	0	N
NCOA4	0.395214252	N	0	N
SQSTM1	0.395214252	N	75	N
AL133387.2	0.395528465	N	0	N
DYNLL1P1	0.395715849	N	0	N
GAS7	0.395715849	N	4	N
LILRB5	0.395715849	N	0	N
LINC01232	0.395715849	N	0	N
NUP205	0.395715849	N	0	N
PCK2	0.395715849	N	31	N
PWRN1	0.395715849	N	0	N
SASS6	0.395715849	N	0	N
AL031733.2	0.395797894	N	0	N
TARDBPP2	0.395957557	N	0	N
CD6	0.396565638	N	1	N
LINC00623	0.396565638	N	0	N
LINC01060	0.396565638	N	0	N
PSG3	0.396565638	N	0	N
C8orf86	0.396592159	N	0	N
MOAP1	0.396592159	N	0	N
COPG1	0.396750446	N	1	N
GLP2R	0.396750446	N	17	N
MTHFD1	0.396750446	N	0	N
VPS37A	0.396750446	N	0	N
CCDC89	0.396778135	N	0	N
FGF20	0.396778135	N	4	N
SLC4A5	0.396778135	N	0	N
RAB33B	0.396945512	N	0	N
AC092284.1	0.396969165	N	0	N
CDCA8	0.396969165	N	0	N
CEP126	0.396969165	N	0	N
DPYD	0.396969165	N	1	N
GLT8D2	0.396969165	N	0	N
MYH9	0.396969165	N	4	N
SUZ12	0.396969165	N	10	N
ZGRF1	0.396969165	N	1	N
FAM182A	0.397116391	N	0	N
PTCD2	0.397116391	N	0	N
AP005119.2	0.39713661	N	0	N
CLIC1	0.39713661	N	4	N
LINC00441	0.39713661	N	0	N
PRR5L	0.39713661	N	0	N
TGFB2	0.39713661	N	130	Y
THOC1	0.39713661	N	1	N
AL031714.1	0.397257373	N	0	N
AL589935.1	0.397257373	N	0	N
C1orf228	0.397257373	N	0	N
FOXMI	0.397257373	N	48	N
GJA1	0.397257373	N	22	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
GPR146	0.397257373	N	5	N
HSP90B3P	0.397257373	N	0	N
MPDU1	0.397257373	N	0	N
RNPS1	0.397257373	N	1	N
FAM189A1	0.397517575	N	0	N
MID1	0.397517575	N	2	N
CCDC186	0.397643656	N	0	N
HIST1H4I	0.397643656	N	0	N
PRRX1	0.397643656	N	8	N
HMGXB4	0.397652902	N	0	N
LINC00930	0.39766543	N	0	N
HDGF	0.397847674	N	5	N
SCAMP1-AS1	0.397847674	N	0	N
SLC35B1	0.3978914	N	0	N
LYRM9	0.39835453	N	0	N
CBFA2T2	0.398424485	N	0	N
HTR2A	0.398424485	N	6	N
KMT2E	0.398424485	N	1	N
MVB12B	0.398424485	N	0	N
PLK1	0.398424485	N	16	N
GATA3	0.398451243	N	38	N
TPR	0.398451243	N	27	N
AFAP1	0.398456444	N	0	N
ASH1L	0.398456444	N	1	N
AC011503.1	0.398754359	N	0	N
AL118516.1	0.398754359	N	0	N
COL28A1	0.398754359	N	0	N
KANK3	0.398754359	N	0	N
NRM	0.398754359	N	5	N
AC004835.1	0.398779266	N	0	N
ANKLE1	0.398779266	N	0	N
C21orf33	0.398779266	N	1	N
CERS6	0.398779266	N	9	N
LDHBP2	0.398779266	N	0	N
LINC01311	0.398779266	N	0	N
RBM5	0.398779266	N	0	N
SLC39A14	0.398779266	N	10	N
SURF2	0.398779266	N	0	N
TRG-AS1	0.398779266	N	0	N
CCDC148	0.398829329	N	0	N
FLVCR2	0.398829329	N	0	N
HIST1H2AG	0.398829329	N	0	N
IRS2	0.398829329	N	1000	Y
KRTAP1-1	0.398829329	N	0	N
LURAP1L	0.398829329	N	0	N
ZNF136	0.398829329	N	0	N
AC011477.2	0.399248627	N	0	N
AC004656.1	0.399252281	N	0	N
RNF187	0.399278097	N	0	N
RNF146	0.399439363	N	0	N
ENTPD3-AS1	0.399512505	N	0	N
F2RL1	0.399512505	N	3	N
GAB1	0.399512505	N	59	N
MAGI3	0.399512505	N	0	N
MAGOHB	0.399512505	N	0	N
MKLN1	0.399512505	N	1	N
MRE11P1	0.399512505	N	0	N
ZNF260	0.399512505	N	0	N
CENPB	0.399531111	N	1	N
CDK5	0.399772783	N	103	Y
MAN1A2	0.400193126	N	0	N
C5orf46	0.40024872	N	1	N
CHTF18	0.40024872	N	0	N
GBX2	0.40024872	N	2	N
ZNF665	0.400372515	N	0	N
METTL4	0.400416802	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AL138847.1	0.400479418	N	0	N
AC006019.1	0.400551833	N	0	N
AC124066.1	0.400900484	N	0	N
CENPP	0.400900484	N	0	N
FOXD4L5	0.400900484	N	0	N
KCTD8	0.400900484	N	0	N
LINC01347	0.400900484	N	0	N
PKMP3	0.400900484	N	0	N
TUBD1	0.400900484	N	0	N
Z99129.4	0.400900484	N	0	N
AC068993.1	0.400950571	N	0	N
EN1	0.400950571	N	7	N
NAP1L4P1	0.400950571	N	0	N
DEC1	0.401007814	N	4	N
AHSA1	0.401192531	N	2	N
SNHG9	0.401222377	N	0	N
FBXO5	0.401227123	N	0	N
NLRP10	0.401320571	N	0	N
TMEM177	0.401320571	N	0	N
TPBG	0.401320571	N	0	N
TPPP	0.401320571	N	0	N
AC096564.2	0.401556611	N	0	N
CA5B	0.401556611	N	0	N
YTHDF3-AS1	0.401556611	N	0	N
LINC00891	0.401651699	N	0	N
MSANTD4	0.401651699	N	0	N
TMEM98	0.401651699	N	0	N
UBA6-AS1	0.401651699	N	0	N
ZNF790-AS1	0.401651699	N	0	N
ZUFSP	0.40178411	N	0	N
CARF	0.401860115	N	1	N
RAP2C-AS1	0.401860115	N	0	N
RUVBL1	0.401860115	N	2	N
UBE2D3P2	0.401860115	N	0	N
PABPC3	0.401918913	N	0	N
PDE11A	0.402137201	N	3	N
AC243964.2	0.402538696	N	0	N
DSN1	0.402538696	N	0	N
AC015911.7	0.402553933	N	0	N
AC026333.4	0.402553933	N	0	N
AL049733.1	0.402553933	N	0	N
AL356599.1	0.402553933	N	0	N
BRCA1	0.402553933	N	101	Y
C1GALT1C1L	0.402553933	N	0	N
CABP4	0.402553933	N	1	N
CD163	0.402553933	N	88	N
CIB1	0.402553933	N	2	N
CYGB	0.402553933	N	3	N
DEPTOR	0.402553933	N	23	N
GLRX5	0.402553933	N	0	N
LAMC2	0.402553933	N	3	N
LUM	0.402553933	N	69	N
PYGL	0.402553933	N	3	N
SLC25A35	0.402553933	N	0	N
AP2B1	0.402725192	N	0	N
MINDY3	0.402725192	N	0	N
TTC39A	0.402770203	N	0	N
AC013355.1	0.403311465	N	0	N
AC016747.1	0.403311465	N	0	N
AC079089.3	0.403311465	N	0	N
AC079336.6	0.403311465	N	0	N
AL354893.2	0.403311465	N	0	N
AP004607.3	0.403311465	N	0	N
CREB3L4	0.403311465	N	2	N
DLEU1	0.403311465	N	1	N
EDARADD	0.403311465	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
HNRNPA1P16	0.403311465	N	0	N
ING1	0.403311465	N	2	N
LCP2	0.403311465	N	0	N
NORAD	0.403311465	N	0	N
PRKY	0.403311465	N	1	N
REP15	0.403311465	N	0	N
THOC5	0.403311465	N	0	N
XBP1	0.403311465	N	150	Y
RGS5	0.40333145	N	5	N
LARP1BP1	0.403385394	N	0	N
HMG2P4	0.40363716	N	0	N
AC092809.3	0.404161909	N	0	N
ATAD2	0.404161909	N	0	N
HHIP	0.404161909	N	3	N
NAP1L1P1	0.404161909	N	0	N
PCDHGA8	0.404174968	N	0	N
MAP6	0.404213125	N	0	N
MUC22	0.404476146	N	0	N
IGF2BP2	0.404836917	N	138	Y
AC099494.3	0.404930396	N	0	N
LAMB1	0.404930396	N	3	N
PARP2	0.404930396	N	2	N
PHF5A	0.404930396	N	0	N
RN7SL559P	0.404930396	N	0	N
TNR	0.404930396	N	1	N
HIST1H2AJ	0.405131047	N	0	N
TTC16	0.405131047	N	0	N
AC008567.3	0.405228728	N	0	N
AC004232.3	0.405232287	N	0	N
AC005790.1	0.405232287	N	0	N
TRAM2	0.405232287	N	1	N
XK	0.405232287	N	3	N
AC122688.1	0.405454165	N	0	N
C18orf54	0.405454165	N	0	N
AC053527.1	0.405544423	N	0	N
KLHDC1	0.405544423	N	0	N
BZW2	0.405567094	N	0	N
PIK3CA	0.405567094	N	96	N
MRPL18	0.405621683	N	0	N
PCMTD1	0.405621683	N	0	N
PDSS1	0.405621683	N	1	N
SCN3A	0.405621683	N	2	N
GNB3	0.405707686	N	34	N
ARHGEF2	0.405909786	N	0	N
PTPN13	0.405909786	N	11	N
DYNLT3	0.405941108	N	1	N
TUBB4B	0.405941108	N	1	N
TMEM52	0.406125859	N	0	N
AL078621.3	0.406350399	N	0	N
AC022148.1	0.406381349	N	0	N
AL035456.1	0.406509623	N	0	N
ARRDC2	0.406538662	N	0	N
KDM4B	0.406538662	N	3	N
RNF41	0.406538662	N	6	N
AZIN1-AS1	0.406879702	N	0	N
MIR219A2	0.406879702	N	0	N
NUCKS1	0.406879702	N	3	N
RBPJP7	0.406879702	N	0	N
CASC4	0.407523337	N	0	N
CTDSPL2	0.407523337	N	0	N
PTMAP5	0.407523337	N	0	N
SLC7A11-AS1	0.407523337	N	0	N
EIF4E2P2	0.407733854	N	0	N
AC104759.1	0.40776021	N	0	N
AC010173.1	0.407773305	N	0	N
SEMA4B	0.407773305	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
RNF8	0.407794028	N	0	N
AC120024.1	0.408062078	N	0	N
AC139149.1	0.408062078	N	0	N
C3orf80	0.408062078	N	0	N
ENPP5	0.408062078	N	1	N
EPHA10	0.408062078	N	0	N
FOXO6	0.408062078	N	19	N
GBF1	0.408062078	N	2	N
NPAP1	0.408062078	N	0	N
ZNF708	0.408062078	N	0	N
AC112719.2	0.408134652	N	0	N
CLDN4	0.408134652	N	2	N
ARHGEF26-AS1	0.408203156	N	0	N
RIPOR3	0.408203156	N	0	N
SEC31B	0.408203156	N	0	N
SYTL5	0.408203156	N	0	N
TMEM86A	0.408203156	N	0	N
FCRLA	0.408204614	N	0	N
LIMA1	0.408410567	N	1	N
NADK2	0.408410567	N	0	N
OPTN	0.408410567	N	4	N
AC012146.1	0.40856445	N	0	N
AC048380.2	0.40856445	N	0	N
AC239868.2	0.40856445	N	0	N
AGGF1P1	0.40856445	N	0	N
ANKFY1	0.40856445	N	1	N
EMC8	0.40856445	N	0	N
OR10A3	0.40856445	N	0	N
OSER1	0.40856445	N	0	N
PCDHA11	0.40856445	N	0	N
PPP1R8P1	0.40856445	N	0	N
RARS2	0.40856445	N	0	N
RGS19	0.40856445	N	1	N
AC010980.1	0.40874295	N	0	N
AC024337.2	0.40874295	N	0	N
SLC15A4	0.40874295	N	2	N
ZNF396	0.40874295	N	0	N
RAB29	0.408793453	N	0	N
AC008066.1	0.408798131	N	0	N
ACTG1P14	0.408798131	N	0	N
GOLGA8M	0.408798131	N	0	N
LINC00514	0.408798131	N	0	N
PBLD	0.408798131	N	1	N
SMC3	0.408798131	N	5	N
AC099550.1	0.408842537	N	0	N
HS3ST4	0.408842537	N	0	N
SLC5A3	0.408842537	N	4	N
UBXN7	0.40884528	N	0	N
EBF2	0.40914116	N	5	N
PDE1A	0.409201153	N	2	N
AL137918.1	0.409233397	N	0	N
AL121723.1	0.40923599	N	0	N
AC109460.2	0.409300463	N	0	N
AP006545.1	0.409300463	N	0	N
C7orf31	0.409300463	N	0	N
CCDC138	0.409300463	N	0	N
CDK11A	0.409300463	N	1	N
DYRK4	0.409300463	N	0	N
LINC01118	0.409300463	N	0	N
NOXRED1	0.409300463	N	0	N
WDR54	0.409300463	N	0	N
AC103957.2	0.409410557	N	0	N
JMJD7	0.409410557	N	0	N
AC139795.2	0.40993185	N	0	N
AL121950.1	0.410089052	N	0	N
AP001350.2	0.410089052	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
LINC01615	0.410089052	N	0	N
EMC3-AS1	0.41034064	N	0	N
LMF1-AS1	0.410460737	N	0	N
GINS3	0.410719561	N	1	N
CDH1	0.41071997	N	39	N
AL162386.2	0.410781852	N	0	N
AC134682.1	0.410945761	N	0	N
GABPB2	0.410945761	N	0	N
CIQL1	0.41103155	N	0	N
ADAMTS8	0.411169371	N	1	N
GGH	0.411169371	N	2	N
LPP	0.411169371	N	21	N
SKIL	0.411169371	N	1	N
SPAST	0.411180882	N	0	N
ADH5P4	0.411240342	N	0	N
DENND4C	0.411347123	N	2	N
GSTA4	0.411347123	N	9	N
RP11-364B6.2	0.411347123	N	0	N
SELENOH	0.411347123	N	0	N
SUMO2	0.411347123	N	5	N
PPP1R9B	0.411391343	N	0	N
HDDC2	0.411441908	N	0	N
LINC02001	0.411441908	N	0	N
POLA1	0.411441908	N	0	N
MSANTD3-TMEFF1	0.411511168	N	0	N
COA4	0.411587247	N	0	N
SNAP25-AS1	0.411587247	N	0	N
FRA10AC1	0.411893439	N	0	N
AC104695.3	0.411957181	N	0	N
AC245748.2	0.411957181	N	0	N
APC	0.411957181	N	255	Y
ARL15	0.411957181	N	12	N
COPZ2	0.411957181	N	1	N
HMG1P38	0.411957181	N	0	N
LINC01359	0.411957181	N	0	N
YPEL5P2	0.411957181	N	0	N
PGAM5	0.411974788	N	0	N
LINC01168	0.412090653	N	0	N
NEAT1	0.412090653	N	7	N
ZNF30	0.412090653	N	0	N
AC012358.2	0.412226543	N	0	N
CEP57L1P1	0.412226543	N	0	N
OGFOD1P1	0.412226543	N	0	N
ZNF613	0.412226543	N	0	N
PEG3	0.412815077	N	39	N
SEPT11	0.412909289	N	1	N
SMC1A	0.413046309	N	1	N
PCGF1	0.413145421	N	1	N
AC021752.1	0.413266732	N	0	N
AC046185.3	0.413266732	N	0	N
AC244197.3	0.413266732	N	0	N
DYNLL1	0.413266732	N	2	N
NAP1L2	0.413266732	N	0	N
PXN-AS1	0.413266732	N	0	N
SMPD4	0.413266732	N	0	N
TUBBP1	0.413266732	N	0	N
WRB	0.413266732	N	2	N
CDC27	0.413414795	N	1	N
TMED6	0.413414795	N	2	N
AL163051.1	0.413415652	N	0	N
FAM57B	0.413415652	N	0	N
MSH5	0.413415652	N	1	N
HMG2	0.413458638	N	3	N
PPT2-EGFL8	0.413458638	N	0	N
AC092933.1	0.413470919	N	0	N
LINC00847	0.413485626	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AL807757.2	0.413494682	N	0	N
ASAP1	0.413494682	N	0	N
KIAA1217	0.413494682	N	0	N
PSMF1	0.413494682	N	0	N
AC010201.2	0.413803265	N	0	N
ADORA2B	0.413803265	N	3	N
RIN2	0.413954148	N	1	N
AC131159.2	0.414011533	N	0	N
SERINC1	0.414011533	N	0	N
WDHD1	0.414070205	N	0	N
YLPM1	0.414070205	N	0	N
CCT2	0.414534072	N	2	N
RPL5P4	0.414534072	N	0	N
BORCS8	0.414553454	N	0	N
CEL	0.414553454	N	70	N
HMBOX1	0.414553454	N	0	N
KCNQ1OT1	0.414553454	N	33	N
LINC01795	0.414553454	N	0	N
MARF1	0.414553454	N	0	N
POLR3K	0.414553454	N	0	N
PTPN7	0.414553454	N	0	N
ESCO1	0.414622063	N	0	N
NUCKS1P1	0.414622063	N	0	N
AC091563.1	0.414638436	N	0	N
ATP13A3	0.414855236	N	0	N
FAM120AOS	0.414855236	N	0	N
TSC22D1	0.414855236	N	1	N
PPIC	0.414934323	N	2	N
PGGHG	0.414936732	N	0	N
TNPO1	0.414936732	N	1	N
CTA-929C8.9	0.415060838	N	0	N
PTGFR	0.415060838	N	3	N
ZNF154	0.415060838	N	1	N
CCDC62	0.415196239	N	0	N
MIR100HG	0.415196239	N	0	N
RPL26L1	0.415196239	N	0	N
PAQR5	0.41521323	N	1	N
POLR2G	0.41521323	N	0	N
PPP1R3D	0.41521323	N	0	N
PSMB6	0.41521323	N	2	N
EEF1A1P5	0.415291628	N	0	N
LINC01910	0.415298984	N	0	N
OR11A1	0.415298984	N	0	N
SHBG	0.415339583	N	1000	Y
ADGRL4	0.415448651	N	0	N
CDC26	0.415448651	N	0	N
CEP78	0.415448651	N	0	N
DCHS2	0.415448651	N	0	N
RAPH1	0.415448651	N	1	N
RNU2-6P	0.415448651	N	0	N
SNRPA	0.415448651	N	0	N
ZNF561-AS1	0.415448651	N	0	N
HS2ST1	0.415691203	N	0	N
NDRG3	0.415691203	N	0	N
SYNJ1	0.415846639	N	0	N
AP001992.1	0.415953661	N	0	N
C14orf80	0.416115054	N	0	N
C18orf32	0.416115054	N	0	N
LINC00261	0.416115054	N	0	N
MDP1	0.416115054	N	0	N
NFE2L2	0.416115054	N	204	Y
PGBD4	0.416115054	N	0	N
RAB30-AS1	0.416115054	N	0	N
SNAI2	0.416115054	N	10	N
YBX2	0.416115054	N	0	N
ZSCAN16	0.416115054	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
CDC73	0.416468677	N	1	N
DNAJB1P1	0.416468677	N	0	N
LIN54	0.416468677	N	0	N
PSD2	0.416468677	N	0	N
AC009041.2	0.416541193	N	0	N
AC013400.1	0.416654583	N	0	N
AC087283.1	0.416654583	N	0	N
AC092279.1	0.416654583	N	0	N
ASPHD2	0.416654583	N	0	N
CITED2	0.416654583	N	10	N
DUSP22	0.416654583	N	0	N
KNOP1	0.416654583	N	0	N
LINC00907	0.416654583	N	0	N
LRRK2	0.416654583	N	5	N
MCM2	0.416654583	N	8	N
MED12	0.416654583	N	8	N
PIGU	0.416654583	N	0	N
PPM1A	0.416654583	N	6	N
SAPCD1	0.416654583	N	0	N
STAB1	0.416654583	N	3	N
Z99916.3	0.416654583	N	0	N
ZNF660	0.416654583	N	0	N
ZNF689	0.416654583	N	0	N
PSMA7	0.416754827	N	0	N
AP000907.1	0.416830813	N	0	N
GLYCTK	0.416830813	N	0	N
LYVE1	0.416830813	N	7	N
PPIAL4G	0.416830813	N	0	N
LRR1	0.416919924	N	0	N
NMT2	0.416976165	N	2	N
AC009945.1	0.417199187	N	0	N
CNNM1	0.417199187	N	0	N
MET	0.417199187	N	1000	Y
SGPP2	0.417199187	N	2	N
TUBGCP5	0.417199187	N	1	N
AL390205.1	0.417222054	N	0	N
UHRF2	0.417285443	N	0	N
RPL3P6	0.417690531	N	0	N
MMP14	0.41769634	N	16	N
AP002981.1	0.417714017	N	0	N
CHAF1A	0.417714017	N	0	N
DAPK2	0.417714017	N	16	N
RAB30	0.417714017	N	0	N
RPL27	0.417714017	N	0	N
TIMM22	0.417714017	N	0	N
UHRF2P1	0.417714725	N	0	N
WDR60	0.417714725	N	0	N
MYEF2	0.417736563	N	0	N
ARHGAP31	0.417824607	N	1	N
ASB1	0.417824607	N	0	N
HTN1	0.417824607	N	0	N
STUM	0.417824607	N	1	N
AC104457.1	0.417867637	N	0	N
CCDC167	0.417886631	N	0	N
AC079298.3	0.41907055	N	0	N
HOOK3	0.419075046	N	0	N
AC017071.1	0.419122342	N	0	N
AC108062.1	0.419122342	N	0	N
AC117382.1	0.419122342	N	0	N
AL035461.2	0.419122342	N	0	N
ANXA2P1	0.419122342	N	0	N
C2orf49	0.419122342	N	0	N
DISC1	0.419122342	N	2	N
EBNA1BP2	0.419122342	N	0	N
EP300	0.419122342	N	25	N
HIST1H3A	0.419122342	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
SEC22B	0.419122342	N	2	N
SEPHS1P6	0.419122342	N	0	N
SIPA1	0.419122342	N	0	N
SYCE2	0.419122342	N	0	N
TARID	0.419122342	N	0	N
YTHDC2	0.419122342	N	0	N
AC007952.5	0.41930311	N	0	N
AL158063.1	0.41930311	N	0	N
CSPG5	0.41930311	N	0	N
GPR88	0.41930311	N	1	N
GTF2H1	0.41930311	N	10	N
KMT2A	0.41930311	N	7	N
SENP1	0.41930311	N	12	N
TOR1AIP1	0.41930311	N	0	N
ZBED6CL	0.41930311	N	0	N
ZBTB1	0.41930311	N	0	N
GABPB1	0.419796996	N	0	N
EHBP1	0.420068786	N	3	N
PIP4K2C	0.420068786	N	1	N
KIAA1211	0.420302471	N	0	N
AC092656.1	0.420413503	N	0	N
CYP1B1-AS1	0.420413503	N	0	N
PIGH	0.420413503	N	0	N
RMND5A	0.420413503	N	0	N
THSD4-AS1	0.420413503	N	0	N
Z97206.1	0.420413503	N	0	N
ZNF578	0.420413503	N	0	N
RNPS1P1	0.420581004	N	0	N
PAPPA2	0.420828574	N	36	N
ZFHX2-AS1	0.421118029	N	0	N
LIMD1	0.421184388	N	0	N
MYO19	0.421184388	N	0	N
SND1	0.421184388	N	4	N
AC024475.2	0.421365385	N	0	N
AC245884.11	0.421365385	N	0	N
AC008267.1	0.421422784	N	0	N
AC008569.2	0.421422784	N	0	N
AC073869.1	0.421422784	N	0	N
AL157938.3	0.421422784	N	0	N
HSD17B12	0.421422784	N	0	N
LINC01547	0.421422784	N	0	N
LINC01551	0.421422784	N	0	N
MT2P1	0.421422784	N	0	N
RBM17P4	0.421422784	N	0	N
SYPL1P2	0.421422784	N	0	N
TMC1	0.421422784	N	0	N
AC000078.1	0.421531341	N	0	N
DHRS4L2	0.421531341	N	0	N
CASKIN1	0.421623967	N	0	N
AC091544.2	0.421853034	N	0	N
FAM131B	0.421853034	N	0	N
AC093525.9	0.421889016	N	0	N
RPL39	0.422063778	N	0	N
AL109917.1	0.422280679	N	0	N
DDB2	0.422655009	N	3	N
GLB1L3	0.42289157	N	0	N
IDH3B	0.42289157	N	0	N
RBM18	0.42289157	N	0	N
ANKHD1-EIF4EBP3	0.423235657	N	0	N
ANKRD36B	0.423235657	N	0	N
APPBP2	0.423235657	N	0	N
DAP3P2	0.423235657	N	0	N
DHX15	0.423235657	N	1	N
ERCC6L2	0.423235657	N	0	N
GALNT11	0.423235657	N	0	N
KIAA0355	0.423235657	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
MOXD1	0.423235657	N	1	N
PLIN4	0.423235657	N	10	N
QRICH1	0.423235657	N	0	N
SNORA20	0.423235657	N	0	N
SPIN3	0.423235657	N	0	N
SREBF2	0.423235657	N	88	N
TLR1	0.423235657	N	16	N
TSC22D1-AS1	0.423235657	N	0	N
MFAP3	0.423348248	N	0	N
NXPE3	0.423389018	N	0	N
AP001148.1	0.423481617	N	0	N
PDE6A	0.423481617	N	0	N
COL15A1	0.423528822	N	0	N
UBE2E1	0.423528822	N	0	N
MDM1	0.423592177	N	0	N
KCNA1	0.424412563	N	2	N
YBX1	0.424496131	N	13	N
HSPD1P11	0.424631539	N	0	N
AC016876.2	0.424654224	N	0	N
IFITM1	0.424654224	N	2	N
IFITM2	0.424654224	N	2	N
PKP1	0.424654224	N	0	N
VWA5A	0.424654224	N	0	N
AC009283.1	0.424674382	N	0	N
PDRG1	0.424827067	N	0	N
AC110769.1	0.424937635	N	0	N
AC124312.4	0.424937635	N	0	N
HSP90AA1	0.424937635	N	3	N
OTOA	0.424937635	N	0	N
RPL12	0.424937635	N	0	N
AC037459.3	0.425046664	N	0	N
AP003392.4	0.425046664	N	0	N
CD302	0.425046664	N	2	N
MMP13	0.425046664	N	38	N
PEPD	0.425046664	N	4	N
UNC5B	0.425046664	N	4	N
ZFX	0.425046664	N	0	N
AC008522.1	0.425318401	N	0	N
AC012358.1	0.425318401	N	0	N
C2orf88	0.425318401	N	0	N
CATSPERE	0.425318401	N	0	N
CRLF3	0.425318401	N	0	N
NFKBIA	0.425318401	N	103	Y
PAXIP1	0.425318401	N	1	N
SRSF6	0.425318401	N	3	N
XRCC2	0.425318401	N	0	N
TFAM	0.425368244	N	118	Y
AC008770.1	0.425375979	N	0	N
AL136454.1	0.425419688	N	0	N
WIPF2	0.425419688	N	0	N
HAUS1	0.425473891	N	0	N
GMNN	0.425605829	N	0	N
KCNMB4	0.425605829	N	1	N
MINOS1P3	0.425605829	N	0	N
UBE2F	0.425668119	N	1	N
AC117402.1	0.425772619	N	0	N
CD3G	0.425833975	N	1	N
CLCN2	0.425833975	N	0	N
MT2A	0.425833975	N	3	N
MYBL2	0.425833975	N	8	N
SPATA4	0.425833975	N	0	N
VPS53	0.425833975	N	0	N
FAM86B1	0.425847613	N	0	N
TUBA1A	0.425930354	N	0	N
HSFX1	0.426012277	N	0	N
KANSL2	0.42606109	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AL445437.1	0.426213016	N	0	N
HPS5	0.426213016	N	1	N
PTMAP2	0.426213016	N	0	N
ABHD3	0.426802225	N	0	N
AC006557.5	0.426802225	N	0	N
AC009171.2	0.426802225	N	0	N
ANKRD13C	0.426802225	N	0	N
CDV3	0.426802225	N	0	N
CHPF2	0.426802225	N	0	N
HAL	0.426802225	N	14	N
LINC00704	0.426802225	N	0	N
LINC01730	0.426802225	N	0	N
RNF216P1	0.426802225	N	0	N
SAP30	0.426802225	N	0	N
TMEM17	0.426802225	N	0	N
USP33	0.426802225	N	0	N
AL157902.2	0.426805552	N	0	N
CAPN10-AS1	0.427122059	N	0	N
KREMEN1	0.427136219	N	0	N
FOXP1-IT1	0.427397206	N	0	N
LINC01537	0.427531331	N	0	N
SALL4	0.427531331	N	6	N
UTP14C	0.427531331	N	0	N
FAM149B1P1	0.427581432	N	0	N
DNAJC9-AS1	0.427594601	N	0	N
MPP2	0.427655211	N	1	N
PRELID1P1	0.427678992	N	0	N
RANBP6	0.427678992	N	0	N
AC020915.2	0.427691957	N	0	N
CPEB3	0.427859676	N	0	N
LNCSRLR	0.427859676	N	0	N
PTGES	0.427859676	N	12	N
AC087392.1	0.428160049	N	0	N
ARNTL2	0.428160049	N	4	N
CARD10	0.428160049	N	1	N
CHCHD3P3	0.428160049	N	0	N
CPE	0.428160049	N	93	N
EMC1	0.428160049	N	0	N
ING5	0.428160049	N	0	N
JPT1	0.428160049	N	0	N
KRCC1	0.428160049	N	0	N
LINC-PINT	0.428160049	N	0	N
STX17	0.428160049	N	1	N
CDCA4	0.428244436	N	0	N
TRANK1	0.428244436	N	0	N
GPBAR1	0.428297891	N	63	N
NT5M	0.428297891	N	0	N
PPCS	0.428297891	N	19	N
S100A2	0.428297891	N	3	N
AC137932.2	0.428584914	N	0	N
ST3GAL5	0.428848044	N	2	N
CLVS2	0.429344012	N	0	N
CTCF	0.429344012	N	165	Y
CYB561	0.429344012	N	0	N
GUSB	0.429344012	N	4	N
MKI67	0.429344012	N	290	Y
SMAD2	0.429344012	N	154	Y
ZNF426	0.429656311	N	0	N
ELAC1	0.429665249	N	0	N
DIAPH2	0.43014147	N	0	N
AC234775.3	0.430318599	N	0	N
EZH2P1	0.431127113	N	0	N
AP006259.1	0.431129429	N	0	N
EEA1	0.431129429	N	21	N
HHLA1	0.431129429	N	0	N
AC008537.3	0.431321857	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
NOD2	0.431321857	N	29	N
LPCAT3	0.431497622	N	2	N
AC064850.1	0.431503018	N	0	N
AC239868.3	0.431503018	N	0	N
LYAR	0.431503018	N	0	N
STAU1	0.431503018	N	3	N
AL023284.2	0.431778244	N	0	N
C1orf74	0.431808659	N	0	N
HACD2	0.431808659	N	1	N
ZNF140	0.431812133	N	0	N
TMEFF2	0.431961102	N	1	N
AL133373.2	0.432093159	N	0	N
CIR1P2	0.432093159	N	0	N
FRG1JP	0.432093159	N	0	N
POMZP3	0.432093159	N	0	N
TPI1	0.432093159	N	4	N
NLRP3	0.432161548	N	244	Y
KDM6A	0.432465561	N	3	N
TM2D3	0.432488107	N	0	N
ENPP6	0.432648603	N	1	N
AC104447.1	0.432704594	N	0	N
AMY2B	0.432704594	N	1	N
ANKZF1	0.432704594	N	0	N
COLEC10	0.432704594	N	0	N
HIF3A	0.432704594	N	8	N
CYP2U1	0.433023753	N	1	N
IL13RA1	0.43329968	N	8	N
KIAA1109	0.43329968	N	1	N
VEPH1	0.43329968	N	1	N
ZNF506	0.43329968	N	0	N
NXT1	0.433569395	N	0	N
RFX8	0.433569395	N	0	N
TFG	0.433784941	N	14	N
FAM96B	0.433799101	N	0	N
RBAK	0.433799101	N	0	N
THAP3	0.433799101	N	0	N
SDR42E1	0.433817874	N	0	N
DNAH14	0.433900475	N	0	N
INO80C	0.433928194	N	0	N
PSMD10P1	0.434079296	N	0	N
ITPKB	0.43414354	N	2	N
ZNF616	0.43414354	N	0	N
ZNF835	0.43414354	N	0	N
AC097639.1	0.434162417	N	0	N
CALCOCO2	0.434162417	N	1	N
GNAQP1	0.434162417	N	0	N
LONP2	0.434162417	N	0	N
TNPO1P3	0.434162417	N	0	N
ZFPM1	0.434162417	N	1	N
AC243562.3	0.43449483	N	0	N
APP	0.434789945	N	514	Y
HMGB1P6	0.434789945	N	0	N
PLG	0.434789945	N	35	N
TRMT2B	0.434789945	N	0	N
AC073073.2	0.435023966	N	0	N
KCNJ14	0.435023966	N	0	N
LSM3	0.435023966	N	0	N
SFI1	0.435023966	N	1	N
ZNF157	0.435023966	N	0	N
AC239868.4	0.435037452	N	0	N
CCDC116	0.435037452	N	1	N
AL121894.2	0.435106824	N	0	N
SLCO1A2	0.435487103	N	0	N
SOWAHA	0.435487103	N	0	N
AC068790.2	0.435682188	N	0	N
SCAMP2	0.435682188	N	1	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
GALNT17	0.43601521	N	0	N
AL627308.2	0.436124579	N	0	N
WDR97	0.436128761	N	0	N
YWHAG	0.436128761	N	3	N
AC010186.3	0.436174208	N	0	N
COQ10A	0.436174208	N	0	N
EFCAB14P1	0.436174208	N	0	N
FBXO43	0.436174208	N	0	N
GUSBP1	0.436174208	N	0	N
HKR1	0.436174208	N	0	N
LHX2	0.436174208	N	5	N
PCDH11Y	0.436174208	N	0	N
THOC6	0.436174208	N	1	N
NPIP14P	0.436329368	N	0	N
BLCAP	0.436333232	N	2	N
GLYR1	0.436333232	N	0	N
MRPS28	0.436421457	N	0	N
RP9	0.436443905	N	0	N
STAG1	0.436454422	N	1	N
HNRNPF	0.436763931	N	2	N
EXTL3	0.436948178	N	2	N
KLHL31	0.437082923	N	1	N
RBM14-RBM4	0.437082923	N	0	N
ZNF185	0.437082923	N	0	N
AC026470.1	0.437119698	N	0	N
RP1-169K13.3	0.437176649	N	0	N
SRRT	0.437211869	N	2	N
ZNF780A	0.437211869	N	0	N
TRIQQ	0.437484514	N	0	N
AC105105.4	0.437560263	N	0	N
CBWD3	0.437560263	N	0	N
DHRS7	0.437560263	N	0	N
EPS15	0.437560263	N	13	N
NAB2	0.437560263	N	4	N
PATJ	0.437560263	N	1	N
PLCB4	0.437837154	N	3	N
HPF1	0.438096494	N	0	N
TP73-AS1	0.438284944	N	0	N
MRPS31P4	0.438407416	N	0	N
RNF165	0.438407416	N	0	N
RTN3	0.438407416	N	1	N
SYTL4	0.438407416	N	28	N
SMOC1	0.438462982	N	1	N
TESPA1	0.438462982	N	0	N
RBMX	0.438469345	N	0	N
FAM96A	0.438538537	N	0	N
COL5A2	0.438687725	N	3	N
CDC42EP4	0.438878546	N	0	N
CCT7P2	0.439205466	N	0	N
GTF2IRD1	0.439205466	N	1	N
SNHG1	0.439205466	N	2	N
AC007066.2	0.439339528	N	0	N
MTHFD2P1	0.439339528	N	0	N
AC005476.2	0.439459275	N	0	N
GLT8D1	0.439495222	N	0	N
AC124944.1	0.439861242	N	0	N
AK6P2	0.439861242	N	0	N
AL359263.1	0.439861242	N	0	N
LINC00476	0.439861242	N	0	N
RALGPS1	0.439861242	N	0	N
TMEM54	0.439861242	N	0	N
PPP1R8	0.440136178	N	1	N
AC012066.1	0.440284216	N	0	N
ATAD3C	0.44044632	N	0	N
HS3ST2	0.44044632	N	0	N
AC090971.4	0.440807983	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
BCCIP	0.440807983	N	0	N
MAP3K2	0.440807983	N	1	N
TTC4P1	0.440807983	N	0	N
AC092326.1	0.440962126	N	0	N
AL603756.1	0.440962126	N	0	N
ATP5B	0.440962126	N	9	N
CD2BP2	0.440962126	N	0	N
FIBIN	0.440962126	N	1	N
HIST1H2AB	0.440962126	N	0	N
IKZF5	0.440962126	N	0	N
KREMEN2	0.440962126	N	0	N
MRPL13	0.440962126	N	0	N
PRKCQ	0.440962126	N	74	N
QKI	0.440962126	N	1	N
RBBP8	0.440962126	N	0	N
REPS1	0.440962126	N	0	N
TRPC3	0.440962126	N	12	N
ZNF577	0.441189858	N	0	N
AC004448.1	0.441193525	N	0	N
AL049697.1	0.441270433	N	0	N
FAM216A	0.441478935	N	0	N
LINC01667	0.441478935	N	0	N
NONO	0.441478935	N	8	N
MTPN	0.441944372	N	9	N
MRE11	0.441985531	N	2	N
SMPD5	0.441985531	N	0	N
AL121761.1	0.442223698	N	0	N
AL592494.2	0.442223698	N	0	N
ANKRD46	0.442223698	N	0	N
MIR646HG	0.442280838	N	0	N
BBS7	0.442292806	N	0	N
GBP2	0.442292806	N	3	N
IL20RB	0.442407196	N	0	N
LINC00310	0.442534587	N	0	N
PCDHA9	0.442534587	N	0	N
PCYOX1	0.442534587	N	1	N
RPA2P2	0.442534587	N	0	N
SOX4	0.442534587	N	11	N
AC068790.3	0.442675587	N	0	N
AC080023.1	0.442675587	N	0	N
AC127070.5	0.442675587	N	0	N
AC139099.1	0.442675587	N	0	N
AF117829.1	0.442675587	N	0	N
AKT3	0.442675587	N	78	N
AP002414.2	0.442675587	N	0	N
ARHGEF9	0.442675587	N	0	N
CCDC7	0.442675587	N	0	N
CRIM1	0.442675587	N	2	N
DFFA	0.442675587	N	11	N
DHRS1	0.442675587	N	0	N
EVC	0.442675587	N	3	N
FCHO1	0.442675587	N	0	N
GABRR3	0.442675587	N	0	N
GALE	0.442675587	N	185	Y
HERC5	0.442675587	N	0	N
HM13-IT1	0.442675587	N	0	N
JRK	0.442675587	N	2	N
LAT	0.442675587	N	759	Y
MAD2L1BP	0.442675587	N	1	N
MORN1	0.442675587	N	1	N
MT1P3	0.442675587	N	0	N
NDUFAF4P2	0.442675587	N	0	N
NFKBID	0.442675587	N	0	N
PCDHA3	0.442675587	N	0	N
PID1	0.442675587	N	22	N
PRPF4	0.442675587	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
REXO2	0.442675587	N	0	N
RMDN2-AS1	0.442675587	N	0	N
SDF2L1	0.442675587	N	2	N
SETBP1	0.442675587	N	0	N
SH3D21	0.442675587	N	0	N
TMEM198B	0.442675587	N	0	N
WDR82P1	0.442675587	N	0	N
ZNF587B	0.442675587	N	0	N
FAM71E1	0.442848875	N	0	N
ANKRD42	0.443137246	N	0	N
NFATC2IP	0.443137246	N	0	N
OPRL1	0.443137246	N	0	N
RNU12	0.443137246	N	0	N
AC010973.2	0.443293459	N	0	N
AC012409.3	0.443361843	N	0	N
AL354890.1	0.443361843	N	0	N
AL928654.5	0.443361843	N	0	N
ATP8A1	0.443361843	N	0	N
CALML4	0.443361843	N	2	N
CCT6P2	0.443361843	N	0	N
CSTF2T	0.443361843	N	0	N
EMP2	0.443361843	N	0	N
HMGA1P1	0.443361843	N	0	N
NOSIP	0.443361843	N	0	N
NUP50	0.443361843	N	1	N
PRC1-AS1	0.443361843	N	0	N
SCP2	0.443361843	N	4	N
SEMA3C	0.443361843	N	1	N
SRPK1	0.443361843	N	3	N
TRMT112P6	0.443361843	N	0	N
ZNF223	0.443361843	N	0	N
ZSCAN25	0.443361843	N	0	N
AC006449.6	0.443416179	N	0	N
AC009549.1	0.443416179	N	0	N
DDR1	0.443416179	N	16	N
HCST	0.443416179	N	1	N
L3MBTL4-AS1	0.443416179	N	0	N
PA2G4	0.443416179	N	2	N
STXBP5	0.443416179	N	8	N
GNL2P1	0.443490842	N	0	N
SVILP1	0.443541644	N	0	N
AC008514.1	0.443676619	N	0	N
AC016724.1	0.443681832	N	0	N
TBC1D12	0.443681832	N	0	N
AC006077.2	0.443691484	N	0	N
AP000889.1	0.443691484	N	0	N
ITFG1	0.443691484	N	0	N
KDM5A	0.443691484	N	2	N
TLN1	0.443691484	N	1	N
AC018470.1	0.444083591	N	0	N
RAD54B	0.444212965	N	0	N
ANKS1A	0.444275152	N	0	N
PCDHB5	0.444275152	N	0	N
RBFOX2	0.444275152	N	1	N
BNIP1	0.444315494	N	0	N
COX17P1	0.444315494	N	0	N
MED19	0.444315494	N	0	N
PDCL3	0.444315494	N	1	N
RRP7A	0.444315494	N	0	N
SLC9B1	0.444315494	N	0	N
ZNF784	0.444341202	N	0	N
KLF8	0.44449689	N	1	N
AC067931.2	0.444674681	N	0	N
PNN	0.444683965	N	3	N
AC004824.2	0.444759748	N	0	N
AC017081.1	0.444759748	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC122713.2	0.444759748	N	0	N
AHRR	0.444759748	N	3	N
BATF3	0.444759748	N	2	N
IFT52	0.444759748	N	0	N
LRWD1	0.444759748	N	0	N
SF3B3	0.444759748	N	0	N
AC092111.2	0.444781217	N	0	N
AL355488.1	0.444781217	N	0	N
DNAH10OS	0.444781217	N	0	N
DOK3	0.444781217	N	2	N
NUP160	0.444781217	N	0	N
PRKRIP1	0.444781217	N	0	N
RBL1	0.444781217	N	3	N
HSP90B1	0.445080157	N	4	N
PJA2	0.445144065	N	2	N
ADAR	0.445204916	N	15	N
CCT4	0.445240191	N	2	N
COL4A4	0.445240191	N	1	N
HPRT1	0.445240191	N	38	N
RETSAT	0.445240191	N	2	N
CDC7	0.445244431	N	2	N
HK2P1	0.445244431	N	1	N
NDUFA9P1	0.445712041	N	0	N
VSIG8	0.445743042	N	0	N
AL158212.3	0.445827019	N	0	N
GHITM	0.445827019	N	2	N
PROM1	0.446158598	N	41	N
HMGA1	0.446279804	N	54	N
PCF11	0.446279804	N	0	N
SNHG22	0.446279804	N	0	N
B4GALT1-AS1	0.446312804	N	1	N
APH1B	0.44665985	N	0	N
DUS3L	0.44665985	N	0	N
TSPAN6	0.44665985	N	0	N
AC067930.6	0.446725014	N	0	N
AC072062.1	0.446725014	N	0	N
AC073326.1	0.446725014	N	0	N
AC105020.6	0.446725014	N	0	N
AC105265.2	0.446725014	N	0	N
EMBP1	0.446725014	N	0	N
FHL1	0.446725014	N	4	N
LHFPL6	0.446725014	N	0	N
NIPA1	0.446725014	N	0	N
NR0B1	0.446725014	N	9	N
PLCB3	0.446725014	N	4	N
RND2	0.446725014	N	0	N
TOR1AIP2	0.446725014	N	0	N
ZBTB5	0.446725014	N	0	N
GPX3	0.446750083	N	36	N
NPR3	0.446750083	N	2	N
PRPF38B	0.446750083	N	0	N
SOX18	0.446750083	N	2	N
TMC8	0.446750083	N	0	N
TSN	0.446750083	N	8	N
OAT	0.446955555	N	191	Y
VPS26B	0.446955555	N	0	N
AC011939.1	0.447052215	N	0	N
RUVBL2	0.447052215	N	4	N
NBEAL1	0.447487796	N	0	N
SCML2	0.447487796	N	0	N
DICER1-AS1	0.447766615	N	0	N
GGACT	0.447821902	N	0	N
MTF1	0.447821902	N	2	N
PCM1	0.447821902	N	1	N
DENND5B	0.448361257	N	0	N
AC138904.1	0.448816827	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
U2AF2	0.448901305	N	2	N
UNC80	0.448908175	N	0	N
NEIL2	0.448967965	N	1	N
MAP7	0.448990914	N	0	N
AC068305.2	0.4491457	N	0	N
ANAPC11	0.4491457	N	0	N
SLCO4A1	0.4491457	N	0	N
ZNF81	0.4491457	N	0	N
AC092810.1	0.449239443	N	0	N
CLTC	0.449239443	N	3	N
COL5A1	0.449239443	N	8	N
IQSEC1	0.449239443	N	1	N
SNRPC	0.449239443	N	0	N
AL133330.1	0.449484056	N	0	N
RNF139	0.449484056	N	1	N
AC016831.6	0.449558249	N	0	N
ARF3	0.449558249	N	0	N
RANP1	0.449558249	N	0	N
AC127024.6	0.449613129	N	0	N
LINC01422	0.449716208	N	0	N
DDIAS	0.449761791	N	0	N
HIST1H1B	0.449761791	N	0	N
NUP155	0.449761791	N	0	N
RICTOR	0.449761856	N	129	Y
AC007684.1	0.449821454	N	0	N
H1FX-AS1	0.449821454	N	0	N
MOSPD1	0.449821454	N	0	N
ZNF329	0.449821454	N	0	N
CDKAL1	0.449864213	N	131	Y
FAM172A	0.449864213	N	1	N
PCDHGA4	0.449864213	N	1	N
PPP1CA	0.449864213	N	0	N
PSPH	0.449864213	N	3	N
WNK1	0.449864213	N	18	N
ZNF615	0.449864213	N	0	N
PITPNM3	0.450028555	N	0	N
AC010615.1	0.450051146	N	0	N
CALCRL	0.450051146	N	1	N
CEP57L1	0.450051146	N	0	N
KLHL5	0.450051146	N	0	N
MORF4L1P1	0.450051146	N	0	N
PCNAP3	0.450051146	N	0	N
TLR5	0.450051146	N	22	N
TNC	0.450051146	N	15	N
WFIKKN1	0.450051146	N	0	N
NDUFS6	0.450159196	N	0	N
ZSCAN9	0.450159196	N	0	N
AC009120.6	0.450171829	N	0	N
FER1L4	0.450171829	N	0	N
AC092718.3	0.450305858	N	0	N
ADRB2	0.450305858	N	316	Y
ARMT1	0.450305858	N	0	N
HOPX	0.450305858	N	3	N
PIEZO2	0.450305858	N	1	N
RAD51	0.450305858	N	16	N
SNX1	0.450305858	N	4	N
SORL1	0.450305858	N	8	N
AC105383.1	0.450308587	N	0	N
BLM	0.450308587	N	48	N
LINC00547	0.450308587	N	0	N
LINC01641	0.450308587	N	0	N
PCDHGB5	0.450308587	N	0	N
SEC63	0.450308587	N	1	N
SH3YL1	0.450308587	N	0	N
TOMM22P5	0.450308587	N	0	N
AC005336.1	0.450652798	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC027288.3	0.450652798	N	0	N
ADAL	0.450652798	N	7	N
ADCY10	0.450652798	N	1	N
CUX1	0.450652798	N	2	N
FIGNL1	0.450652798	N	1	N
GATAD1	0.450652798	N	0	N
HPSE2	0.450652798	N	0	N
KLF17	0.450652798	N	0	N
LINC02068	0.450652798	N	0	N
NTM	0.450652798	N	6	N
SHOC2	0.450652798	N	3	N
SNHG12	0.450652798	N	1	N
TRIM21	0.450652798	N	0	N
TSEN34	0.450652798	N	0	N
VLDLR	0.450652798	N	21	N
YTHDF3	0.450652798	N	0	N
SRP72	0.450851857	N	1	N
MRGBP	0.451071588	N	0	N
AP000926.4	0.451123268	N	0	N
FBXL13	0.451123268	N	0	N
ZNF512	0.451173162	N	0	N
ADA2	0.451259125	N	2	N
AC110079.2	0.45132707	N	0	N
HIST1H2BL	0.45132707	N	0	N
PCYOX1L	0.451445579	N	0	N
TMEM135	0.451445579	N	1	N
AC008280.3	0.451713542	N	0	N
NPY5R	0.451793857	N	4	N
CANT1	0.452057755	N	0	N
TPTEP1	0.452057755	N	0	N
TVP23C	0.452110351	N	0	N
MAGED2	0.452286523	N	0	N
BOLA3P3	0.452404423	N	0	N
BCL9	0.453000063	N	1	N
AC022306.3	0.453571991	N	0	N
AC022893.2	0.453571991	N	0	N
AL353616.1	0.453571991	N	0	N
AL512638.2	0.453571991	N	0	N
LINC00602	0.453571991	N	0	N
MMP1	0.453571991	N	20	N
TYRO3P	0.453597457	N	0	N
RPS15AP6	0.45361532	N	0	N
CDH10	0.453812449	N	0	N
AC005912.2	0.45382445	N	0	N
AL008718.3	0.45382445	N	0	N
ALDH3B1	0.45382445	N	0	N
C9orf40	0.45382445	N	0	N
CTSO	0.45382445	N	0	N
FAM219A	0.45382445	N	0	N
POLR2D	0.45382445	N	0	N
RPL36A	0.45382445	N	0	N
STON1	0.45382445	N	1	N
FCRL3	0.453955729	N	7	N
PTGES3L	0.453955729	N	0	N
SCARNA21	0.453998519	N	0	N
MCM3	0.45414749	N	0	N
ATAD3A	0.454365868	N	2	N
CLDND2	0.454365868	N	0	N
CTGF	0.454365868	N	197	Y
AC010422.3	0.454405262	N	0	N
CEP295	0.454405262	N	1	N
PCMTD2	0.454405262	N	0	N
NKX2-4	0.454543347	N	0	N
MRV11	0.454585473	N	0	N
PITX1	0.454670985	N	6	N
ALCAM	0.454737812	N	11	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
SNRPCP2	0.454737812	N	0	N
XPOT	0.454737812	N	0	N
ABCA13	0.454765562	N	0	N
AL591034.2	0.454765562	N	0	N
BTBD6	0.454765562	N	0	N
CD24	0.454765562	N	40	N
MAST1	0.454765562	N	0	N
RPS18P9	0.454765562	N	0	N
UBE2HP1	0.454765562	N	0	N
DUS4L	0.454768857	N	0	N
TNPO1P1	0.454768857	N	0	N
Z69890.1	0.454768857	N	0	N
MATN2	0.454844626	N	2	N
LINC00504	0.455151864	N	0	N
TLCD2	0.455151864	N	0	N
AL121578.3	0.455235903	N	0	N
ARHGEF37	0.455235903	N	0	N
CWC27	0.455235903	N	0	N
DEF6	0.455235903	N	0	N
MIR22HG	0.455235903	N	0	N
SLC25A11	0.455235903	N	0	N
AC007773.1	0.455275984	N	0	N
PCID2	0.455321223	N	0	N
ZNF763	0.455321223	N	0	N
FADS1	0.455404893	N	46	N
GCNA	0.455404893	N	0	N
AF111167.2	0.455411494	N	0	N
EIF3L	0.455411494	N	0	N
LRP11	0.455411494	N	0	N
POLK	0.455411494	N	29	N
ADH6	0.455455832	N	0	N
TPBGL	0.455455832	N	0	N
TRDN	0.455455832	N	2	N
YWHAB	0.455455832	N	6	N
CALCOCO1	0.455516837	N	0	N
MBTD1	0.455537067	N	0	N
PFN4	0.455537067	N	0	N
SAT2	0.455537067	N	8	N
AP003396.5	0.455792643	N	0	N
AP4B1	0.455792643	N	0	N
CCDC126	0.455792643	N	0	N
CNOT2	0.455792643	N	0	N
CTSF	0.455792643	N	1	N
DKC1	0.455792643	N	0	N
HNRNPA2B1	0.455792643	N	4	N
NRGN	0.455792643	N	1	N
PI4KA	0.455792643	N	0	N
RPL4P2	0.455792643	N	0	N
RUFY3	0.455792643	N	0	N
TAF5L	0.455792643	N	1	N
GLIPR1L2	0.455844209	N	0	N
PPP6C	0.455892274	N	0	N
AC073896.4	0.455918458	N	0	N
BCL2	0.45593529	N	309	Y
MYOM3	0.45593529	N	0	N
LSM5	0.456072426	N	0	N
CCM2	0.456201712	N	1	N
AC027612.2	0.456388546	N	0	N
DCT	0.456388546	N	16	N
FANCB	0.456388546	N	1	N
GAL3ST3	0.456388546	N	0	N
TP53BP1	0.456388546	N	4	N
RSPH9	0.456403981	N	0	N
PRR13	0.456479233	N	1	N
AC135279.3	0.456493567	N	0	N
EEF1AKMT3	0.456493567	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
RPS6KC1	0.456493567	N	1	N
CYP26B1	0.456493707	N	9	N
ASS1P1	0.456545023	N	0	N
CD58	0.456567865	N	9	N
Z84478.1	0.456575693	N	0	N
SLC44A4	0.456689076	N	0	N
AC092338.2	0.456749659	N	0	N
AKR1B1	0.456749659	N	4	N
AL669918.1	0.456749659	N	0	N
BTD	0.456749659	N	5	N
DNAJC9	0.456749659	N	0	N
ERICH3	0.456749659	N	0	N
GSDMA	0.456749659	N	0	N
L3MBTL4	0.456749659	N	1	N
PSMB3	0.456749659	N	0	N
ROBO2	0.456749659	N	3	N
RPA2	0.456749659	N	0	N
SCYL3	0.456749659	N	0	N
TMEM165	0.456749659	N	0	N
TTC8	0.456749659	N	0	N
VPS13D	0.456749659	N	0	N
AC135776.4	0.456782634	N	0	N
DPY30	0.456847612	N	1	N
GAS5	0.456847612	N	7	N
SERPINH1P1	0.457030818	N	0	N
KRTCAP3	0.457372045	N	0	N
AC139530.1	0.457722057	N	0	N
SERPINH1	0.457722057	N	3	N
TAPBP	0.457722057	N	0	N
AC009133.6	0.457828956	N	0	N
AC087311.1	0.457828956	N	0	N
ACOT13	0.457828956	N	6	N
ACOT2	0.457828956	N	1	N
ACSL6	0.457828956	N	3	N
ANKDD1A	0.457828956	N	0	N
C10orf10	0.457828956	N	1	N
CLMP	0.457828956	N	6	N
CXXC5	0.457828956	N	1	N
DHX8	0.457828956	N	0	N
DMRTA2	0.457828956	N	0	N
FCGR2B	0.457828956	N	6	N
MED21	0.457828956	N	0	N
NDRG1	0.457828956	N	9	N
PMVK	0.457828956	N	0	N
RRN3P3	0.457828956	N	0	N
SIRT7	0.457828956	N	14	N
SMOX	0.457828956	N	0	N
SNIP1	0.457828956	N	0	N
TEX30	0.457828956	N	0	N
TRIB3	0.457828956	N	92	N
VPS13A	0.457828956	N	1	N
VRK1	0.457828956	N	1	N
WHAMMP3	0.457828956	N	0	N
ZMYM3	0.457828956	N	0	N
HAT1	0.457831717	N	2	N
AL109811.3	0.457933881	N	0	N
AC000068.1	0.457962039	N	0	N
AC006378.2	0.457962039	N	0	N
AC022447.4	0.457962039	N	0	N
AC078875.1	0.457962039	N	0	N
AC093155.1	0.457962039	N	0	N
AC093157.2	0.457962039	N	0	N
AC110998.1	0.457962039	N	0	N
ATP23	0.457962039	N	0	N
BX005019.1	0.457962039	N	0	N
ELL2	0.457962039	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
ELMO3	0.457962039	N	0	N
FAM117B	0.457962039	N	0	N
IKBKG	0.457962039	N	1	N
KCTD15	0.457962039	N	7	N
LARS	0.457962039	N	79	N
LCMT1-AS2	0.457962039	N	0	N
LINC01315	0.457962039	N	0	N
MTHFD1P1	0.457962039	N	0	N
MUC13	0.457962039	N	0	N
NCK1-AS1	0.457962039	N	0	N
NUP37	0.457962039	N	0	N
PALD1	0.457962039	N	1	N
PDCD4	0.457962039	N	17	N
PPP2R5E	0.457962039	N	0	N
RASGEF1A	0.457962039	N	0	N
RGS17	0.457962039	N	1	N
SIAE	0.457962039	N	0	N
SKOR2	0.457962039	N	1	N
SPIB	0.457962039	N	0	N
TMEM127	0.457962039	N	1	N
VHL	0.457962039	N	62	N
WDR90	0.457962039	N	0	N
Z82190.1	0.457962039	N	0	N
ZCCHC11	0.457962039	N	1	N
ZDHHC23	0.457962039	N	0	N
ZMYND11	0.457962039	N	1	N
ZNF221	0.457962039	N	0	N
KIAA0141	0.458432736	N	0	N
C5orf42	0.458514155	N	1	N
DDX5	0.458514155	N	2	N
MANBAL	0.458514155	N	0	N
CCT3	0.458528618	N	0	N
GULP1	0.458528618	N	2	N
OTUD6B-AS1	0.458528618	N	0	N
PCDHA10	0.458528618	N	0	N
PDCD6IP	0.458691077	N	4	N
NUP54	0.458799174	N	0	N
RTN4	0.458859915	N	1	N
AC080038.3	0.458987042	N	0	N
AC113146.2	0.458987042	N	0	N
POGZ	0.458987042	N	0	N
RIBC2	0.458987042	N	0	N
SAFB	0.458987042	N	2	N
AC093151.3	0.45902096	N	0	N
AC116913.1	0.45902096	N	0	N
BIN1	0.45902096	N	4	N
DCAF15	0.45902096	N	0	N
FOCAD	0.45902096	N	0	N
MIR133A1HG	0.45902096	N	0	N
PSEN1	0.45902096	N	49	N
SETD4	0.45902096	N	0	N
UBE2J2	0.45902096	N	0	N
VAT1	0.45902096	N	0	N
AC133540.1	0.459363197	N	0	N
AL589674.2	0.459390275	N	0	N
FMO3	0.459390275	N	13	N
RAB8A	0.459390275	N	21	N
AC008014.1	0.4599339	N	0	N
AC016586.1	0.4599339	N	0	N
CHEK1	0.4599339	N	5	N
ENO1	0.4599339	N	5	N
PLEKHG3	0.4599339	N	0	N
NFYB	0.460169455	N	0	N
NYAP1	0.460189067	N	0	N
ZNF491	0.460189067	N	0	N
SLC29A1	0.460293418	N	16	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
LRRC37BP1	0.46048506	N	0	N
LINC00963	0.460489239	N	0	N
LGALS4	0.460576115	N	3	N
ING2	0.460611913	N	1	N
XKR5	0.460611913	N	0	N
ZC3H7A	0.460611913	N	0	N
DDX46	0.460929479	N	0	N
PNPLA3	0.460929479	N	166	Y
BRD7	0.46097335	N	4	N
SORD	0.46097335	N	0	N
CENPUP1	0.461055723	N	0	N
CYYR1	0.461180166	N	0	N
ERH	0.461180166	N	18	N
PEX13	0.461180166	N	0	N
RAP1GAP2	0.461180166	N	0	N
UNC13C	0.461180166	N	1	N
CTAGE5	0.461410239	N	2	N
NEK11	0.461486619	N	0	N
SHANK2-AS1	0.461486619	N	0	N
HIST1H3C	0.46151939	N	0	N
PIGB	0.46151939	N	0	N
RGS2	0.46151939	N	18	N
AC093278.2	0.461559521	N	0	N
PIWIL4	0.461597249	N	1	N
AC004812.2	0.461717033	N	0	N
AC009237.3	0.461717033	N	0	N
AC011998.1	0.461717033	N	0	N
AC104564.6	0.461717033	N	0	N
AC110792.1	0.461717033	N	0	N
AL121987.2	0.461717033	N	0	N
AL132656.3	0.461717033	N	0	N
ARSI	0.461717033	N	1	N
BX842568.2	0.461717033	N	0	N
CCAR2	0.461717033	N	4	N
COX7A2L	0.461717033	N	1	N
EIF3FP3	0.461717033	N	0	N
LIPE	0.461717033	N	35	N
LSM3P3	0.461717033	N	0	N
MED30	0.461717033	N	1	N
MFAP5	0.461717033	N	2	N
MRPL52	0.461717033	N	0	N
MTHFD2L	0.461717033	N	0	N
NOSTRIN	0.461717033	N	0	N
PNKP	0.461717033	N	0	N
POLE2	0.461717033	N	0	N
RPS16	0.461717033	N	1	N
RRM2P3	0.461717033	N	0	N
SLC29A4	0.461717033	N	2	N
U1	0.461717033	N	13	N
ZFC3H1	0.461717033	N	0	N
TOMM40	0.461778322	N	5	N
AC005005.1	0.461848384	N	0	N
AC107068.1	0.461848384	N	0	N
NFATC4	0.461848384	N	11	N
P2RX6	0.461848384	N	0	N
AC002116.2	0.462118047	N	0	N
DUSP12	0.462118047	N	3	N
TEX12	0.462118047	N	0	N
AC084036.1	0.462157521	N	0	N
AL356515.1	0.462157521	N	0	N
ARFGEF1	0.462157521	N	0	N
CDC42BPB	0.462157521	N	0	N
CTBS	0.462157521	N	2	N
DNAAF4	0.462157521	N	0	N
DNAJC8P1	0.462157521	N	0	N
EFNB1	0.462157521	N	3	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
ITIH4	0.462157521	N	5	N
SBK1	0.462157521	N	0	N
SWT1	0.462157521	N	1	N
TIGD6	0.462157521	N	0	N
AC133644.2	0.462279751	N	0	N
FZR1	0.462326365	N	2	N
RN7SL531P	0.462326365	N	0	N
PUS1	0.462458156	N	1	N
LRIF1	0.462504516	N	0	N
PARP1	0.462504516	N	44	N
TPT1-AS1	0.462504516	N	0	N
PSORS1C1	0.462708025	N	0	N
SETD5	0.462713869	N	0	N
AL451165.2	0.462761199	N	0	N
AL596087.1	0.4627895	N	0	N
H6PD	0.4627895	N	10	N
OTUD4P1	0.46289975	N	0	N
RCAN3	0.46289975	N	0	N
SLC25A25	0.46289975	N	0	N
STIP1P3	0.46289975	N	0	N
TENM4	0.46289975	N	1	N
MTM1	0.463372027	N	6	N
RCC1L	0.46345026	N	0	N
CCL7	0.463566605	N	12	N
RRAGD	0.463568562	N	2	N
CEP63	0.463760875	N	0	N
AC069236.1	0.463898438	N	0	N
CENPT	0.463998001	N	1	N
LPAL2	0.464353754	N	0	N
TJP2	0.464353754	N	0	N
AC099066.2	0.464399093	N	0	N
RN7SKP70	0.464399093	N	0	N
AC079316.2	0.46441165	N	0	N
EPOR	0.464623515	N	33	N
AC092645.1	0.464642248	N	0	N
BCLAF1P2	0.464642248	N	0	N
LINC01341	0.464642248	N	0	N
AL049840.1	0.464657173	N	0	N
GAPDHP69	0.464657173	N	0	N
ST7L	0.464657173	N	0	N
SAP25	0.464867639	N	0	N
CX3CL1	0.464966071	N	46	N
HIST1H3B	0.464966071	N	0	N
PARD3	0.46500706	N	1	N
SEC62	0.46500706	N	1	N
AP3S2	0.465047092	N	4	N
AC008035.1	0.465092009	N	0	N
AL031009.1	0.465092009	N	0	N
LINC00327	0.465092009	N	0	N
RASA2	0.465092009	N	1	N
SCG2	0.465092009	N	5	N
AL162615.1	0.465314901	N	0	N
AL359924.1	0.465314901	N	0	N
AL590635.1	0.465314901	N	0	N
AP000783.1	0.465314901	N	0	N
CDH15	0.465314901	N	0	N
LINC01297	0.465314901	N	0	N
LRP5	0.465314901	N	39	N
MRC2	0.465314901	N	0	N
N4BP2L1	0.465314901	N	0	N
OLFM2	0.465314901	N	0	N
SHROOM4	0.465314901	N	0	N
SEMA3E	0.465418405	N	5	N
AC007406.5	0.465516526	N	0	N
CCDC153	0.465516526	N	0	N
AC005838.2	0.465537373	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
RERG	0.465537373	N	2	N
CAPS	0.465830032	N	80	N
NPW	0.465908224	N	7	N
OSBPL8	0.465908224	N	0	N
PRRC2C	0.465908224	N	0	N
SEC14L2	0.465908224	N	0	N
SLC18B1	0.465908224	N	0	N
ZNF518B	0.465908224	N	1	N
CRTC3	0.46591181	N	5	N
AC010632.2	0.465964286	N	0	N
AL109811.4	0.466195376	N	0	N
APOBEC3B	0.466195376	N	0	N
CTSS	0.466195376	N	5	N
HEXA	0.466195376	N	26	N
IQCD	0.466195376	N	0	N
LINC00473	0.466195376	N	0	N
MED27	0.466195376	N	0	N
SUN2	0.466195376	N	1	N
TP53	0.466195376	N	150	Y
TUBA3FP	0.466195376	N	0	N
USP1	0.466228552	N	4	N
PCBD2	0.466295389	N	0	N
HSPA14	0.466420415	N	0	N
DCTPP1	0.466771894	N	1	N
HIST1H2BF	0.466771894	N	0	N
AC099489.1	0.466889644	N	0	N
AL353194.1	0.466889644	N	0	N
C6orf120	0.466889644	N	0	N
FGF17	0.466889644	N	5	N
IFT122	0.466889644	N	2	N
KCNK15-AS1	0.466889644	N	0	N
LGALS3	0.466889644	N	65	N
LINC01684	0.466889644	N	0	N
RAB3GAP1	0.466889644	N	1	N
RBP7	0.466889644	N	0	N
TMEM154	0.466889644	N	2	N
ADCY6	0.467163342	N	1	N
PPP1R2	0.467163342	N	1	N
RORA	0.467163342	N	22	N
SHMT1P1	0.467163342	N	0	N
ACOT7	0.46722059	N	4	N
PPT1	0.46722059	N	2	N
CD3EAP	0.467280757	N	1	N
NEK6	0.467280757	N	2	N
SMURF2P1	0.467280757	N	0	N
SFPQ	0.467294918	N	11	N
AC087388.1	0.46732116	N	0	N
AL133325.1	0.46732116	N	0	N
ANO7	0.46732116	N	0	N
COPB1	0.46732116	N	1	N
DACT1	0.46732116	N	4	N
DLGAP1-AS2	0.46732116	N	0	N
DNAJC3	0.46732116	N	11	N
DOCK4	0.46732116	N	0	N
GJC1	0.46732116	N	0	N
NAPRT	0.46732116	N	0	N
RAB35	0.46732116	N	4	N
RFC3	0.46732116	N	0	N
SMIM10	0.46732116	N	0	N
ST8SIA6	0.46732116	N	0	N
TAF8	0.46732116	N	0	N
ZNF320	0.46732116	N	0	N
HSPH1	0.467383024	N	2	N
STARD13-AS	0.467383024	N	0	N
AIMP1P1	0.46741623	N	0	N
HHEX	0.46741623	N	99	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC008982.2	0.467748188	N	0	N
AC093330.1	0.467748188	N	0	N
PRPSAP2	0.467748188	N	0	N
RTL8C	0.467748188	N	0	N
SFT2D3	0.467748188	N	0	N
WDR11	0.467748188	N	0	N
ATRIP	0.468223747	N	0	N
PDCD5	0.468223747	N	2	N
TMEM128	0.468234148	N	0	N
AC022898.2	0.468241649	N	0	N
NCL	0.468241649	N	126	Y
NUTM2B-AS1	0.468345889	N	0	N
AP002907.1	0.468422649	N	0	N
HSPA12B	0.468422649	N	0	N
ITPRIPL2	0.468422649	N	0	N
MAB21L3	0.468422649	N	1	N
MPDZ	0.46869407	N	1	N
ENKD1	0.468901648	N	0	N
POLD3	0.468901648	N	0	N
RELB	0.468901648	N	15	N
RTL8B	0.468901648	N	0	N
LINC01473	0.468926049	N	0	N
RDM1	0.468926049	N	0	N
AC005531.1	0.468966597	N	0	N
CTC-325H20.2	0.468966597	N	0	N
FMO6P	0.468966597	N	0	N
KLF14	0.468966597	N	13	N
AC008507.5	0.469028687	N	0	N
AC023509.4	0.469028687	N	0	N
AC144652.1	0.469028687	N	0	N
ACO1	0.469028687	N	1	N
ATP6V1G2-DDX39B	0.469028687	N	0	N
GNG5P2	0.469028687	N	0	N
MBIP	0.469028687	N	0	N
AL513165.2	0.46917808	N	0	N
HIST1H3I	0.46917808	N	0	N
MAP1LC3A	0.46917808	N	7	N
MRPL57	0.46917808	N	0	N
NAV1	0.46917808	N	30	N
PILRA	0.46917808	N	0	N
PLS1	0.46917808	N	0	N
RP11-254F7.4	0.46917808	N	0	N
RYK	0.46917808	N	4	N
SFR1P1	0.46917808	N	0	N
SLC25A10	0.46917808	N	2	N
VDAC1P8	0.46917808	N	0	N
EIF4A2P1	0.469264674	N	0	N
CARS2	0.469296901	N	0	N
AC007040.2	0.469616995	N	0	N
AC110079.1	0.469616995	N	0	N
IQCK	0.469616995	N	0	N
NUB1	0.469616995	N	1	N
TMEM55B	0.469616995	N	0	N
AC006116.8	0.469848327	N	0	N
PSMB3P2	0.469848327	N	0	N
HSPA8P5	0.469874829	N	0	N
INTS3	0.469874829	N	0	N
PSCA	0.469874829	N	7	N
TAX1BP1	0.469874829	N	1	N
AC008514.2	0.469933326	N	0	N
AC008669.1	0.469933326	N	0	N
AC025048.4	0.469933326	N	0	N
AC069544.1	0.469933326	N	0	N
AC098614.4	0.469933326	N	0	N
AC104836.1	0.469933326	N	0	N
AGAP1	0.469933326	N	1	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AL360181.2	0.469933326	N	0	N
ANPEP	0.469933326	N	8	N
BCDIN3D	0.469933326	N	0	N
BTN3A3	0.469933326	N	0	N
C6orf48	0.469933326	N	0	N
CBX5P1	0.469933326	N	0	N
CYP26C1	0.469933326	N	0	N
EGLN2	0.469933326	N	3	N
EIF1B-AS1	0.469933326	N	0	N
ERCC5	0.469933326	N	2	N
EXTL1	0.469933326	N	0	N
FAM126B	0.469933326	N	0	N
FYTTD1	0.469933326	N	0	N
GAD1	0.469933326	N	8	N
ILKAP	0.469933326	N	1	N
KIAA1147	0.469933326	N	0	N
KIAA1324L	0.469933326	N	0	N
LATS2	0.469933326	N	6	N
LRRN4CL	0.469933326	N	0	N
MEOX1	0.469933326	N	1	N
NCOR1	0.469933326	N	25	N
PCCA	0.469933326	N	3	N
PHBP9	0.469933326	N	0	N
PICALM	0.469933326	N	4	N
PRSS53	0.469933326	N	1	N
SECISBP2L	0.469933326	N	0	N
SLC39A4	0.469933326	N	5	N
SLC7A4	0.469933326	N	0	N
TARS2	0.469933326	N	0	N
TOMM7	0.469933326	N	0	N
TSPAN9	0.469933326	N	2	N
USP21	0.469933326	N	1	N
VEZT	0.469933326	N	0	N
WDR44	0.469933326	N	0	N
DUSP27	0.470218149	N	1	N
IREB2	0.470218149	N	0	N
DCAF8L2	0.470373169	N	0	N
AC020658.6	0.470419153	N	0	N
AP003476.1	0.470419153	N	0	N
APOE	0.470419153	N	950	Y
ATP6V1A	0.470419153	N	0	N
BFSP1	0.470419153	N	0	N
BNIP3	0.470419153	N	40	N
CAMKMT	0.470419153	N	0	N
EIF4A2	0.470419153	N	1	N
GM2A	0.470419153	N	1	N
IMPDH2	0.470419153	N	1	N
MAP4K3	0.470419153	N	6	N
PNPLA4	0.470419153	N	1	N
PRG4	0.470419153	N	5	N
R3HDM1	0.470419153	N	0	N
RIC8B	0.470419153	N	0	N
RMND5B	0.470419153	N	0	N
SDHAP3	0.470419153	N	0	N
SERPINB2	0.470419153	N	4	N
SLC35D2	0.470419153	N	0	N
SPOUT1	0.470419153	N	0	N
ZNF251	0.470419153	N	0	N
ZNF786	0.470419153	N	0	N
FMO5	0.470566656	N	1	N
RBX1	0.470589063	N	3	N
A2ML1	0.470730918	N	2	N
AL662907.2	0.471078372	N	0	N
DCAF4L2	0.471604961	N	0	N
GNG7	0.471778043	N	0	N
RNASEH2B	0.471778043	N	1	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
TFB1M	0.471778043	N	5	N
LACTBL1	0.471816839	N	0	N
C17orf53	0.471853334	N	0	N
ALS2	0.471870402	N	1	N
ARHGEF5	0.471922859	N	0	N
ECHDC2	0.471922859	N	0	N
CNOT9	0.472084148	N	0	N
CRELD2	0.472084148	N	0	N
HMG20B	0.472084148	N	0	N
MYDGF	0.472084148	N	1	N
TFAP4	0.472084148	N	0	N
BX119917.1	0.472189954	N	0	N
LINC01126	0.472189954	N	0	N
TMC4	0.472189954	N	1	N
AC072039.1	0.472461005	N	0	N
BMP6	0.472461005	N	26	N
CTSK	0.472461005	N	13	N
NAE1	0.472461005	N	0	N
AC093578.1	0.472587435	N	0	N
CDC42P3	0.472587435	N	0	N
AC011451.2	0.472712703	N	0	N
ABCF1	0.472810763	N	1	N
CRYBG3	0.472810763	N	0	N
IKZF2	0.472810763	N	3	N
MATK	0.472810763	N	1	N
MEX3D	0.472810763	N	0	N
PTPN12	0.472810763	N	4	N
SNTB2	0.472810763	N	3	N
SYNDIG1	0.4728471	N	0	N
C2orf91	0.472923344	N	0	N
THSD7B	0.472923344	N	0	N
HIKESHI	0.47314953	N	0	N
AC139530.2	0.473364288	N	0	N
VWCE	0.473364288	N	0	N
AC104051.2	0.473516088	N	0	N
RAB3C	0.473816574	N	6	N
AC093635.1	0.474208197	N	0	N
HIST1H2BE	0.474208197	N	0	N
PIP5K1P1	0.474208197	N	0	N
AC234775.2	0.474279041	N	0	N
AL049840.5	0.474279041	N	0	N
DCLK1	0.474279041	N	2	N
DDX47	0.474279041	N	0	N
DHX34	0.474279041	N	0	N
EGLN1	0.474279041	N	8	N
FADD	0.474279041	N	54	N
FAM50A	0.474279041	N	0	N
HIST1H2AK	0.474279041	N	0	N
NARSP2	0.474279041	N	0	N
PLA2G4B	0.474279041	N	0	N
RBM44	0.474279041	N	0	N
RN7SL37P	0.474279041	N	0	N
STRIP2	0.474279041	N	0	N
TCF19	0.474279041	N	5	N
TPCN1	0.474279041	N	4	N
RAD9B	0.474402582	N	0	N
FSD2	0.474519925	N	0	N
AC100858.3	0.474538106	N	0	N
CDC27P1	0.474538106	N	0	N
CEP76	0.474538106	N	0	N
LINC00216	0.474538106	N	0	N
PPP1CC	0.474538106	N	0	N
TRIO	0.474538106	N	23	N
FAM227B	0.474579583	N	0	N
HIST4H4	0.474579583	N	0	N
COQ3	0.474654091	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
FOXH1	0.474654091	N	0	N
GPR22	0.474654091	N	1	N
SPTY2D1	0.474654091	N	0	N
SRSF2	0.474654091	N	3	N
TKFC	0.474654091	N	0	N
AC025031.4	0.474678438	N	0	N
EEF1A1P13	0.474712702	N	0	N
MIR3681HG	0.474712702	N	0	N
ZHX1-C8orf76	0.474740036	N	0	N
AC010531.1	0.474772832	N	0	N
AJ003147.3	0.474772832	N	0	N
AC025588.1	0.47481583	N	0	N
LINC00595	0.474848539	N	0	N
KCNK12	0.474899628	N	0	N
KCNN3	0.475100694	N	3	N
AL118506.1	0.475144891	N	0	N
AL079342.3	0.475148812	N	0	N
DTWD2	0.475148812	N	0	N
GPR65	0.475232137	N	1	N
AC016757.1	0.475636635	N	0	N
ITCH	0.475651586	N	86	N
STAT4	0.475651586	N	24	N
COPS3	0.47565714	N	0	N
AL513478.2	0.475682121	N	0	N
GORASP2	0.475682164	N	0	N
AC007599.2	0.475835527	N	0	N
DYNC1H1	0.475835527	N	1	N
SOS1-IT1	0.475835527	N	0	N
AIFM2	0.475991482	N	0	N
AL008726.1	0.475991482	N	0	N
AL138688.2	0.475991482	N	0	N
AL365214.3	0.475991482	N	0	N
BTG2	0.475991482	N	7	N
COQ9	0.475991482	N	10	N
DSCAM	0.475991482	N	2	N
DST	0.475991482	N	1000	Y
LINC01672	0.475991482	N	0	N
NOTCH1	0.475991482	N	76	N
NPIPA3	0.475991482	N	0	N
PIPSL	0.475991482	N	0	N
AC122688.3	0.476423142	N	0	N
TMEM45B	0.476662296	N	0	N
OSGIN2	0.476682595	N	0	N
GINS2	0.476812896	N	0	N
ZNF586	0.476896819	N	0	N
AL109924.2	0.476902839	N	0	N
AL158071.4	0.476902839	N	0	N
AL161912.4	0.476902839	N	0	N
AL162171.3	0.476902839	N	0	N
LINC00693	0.476902839	N	0	N
LINC01376	0.476902839	N	0	N
MMP2	0.476902839	N	139	Y
OTUD6B	0.476902839	N	0	N
SLC26A4	0.476902839	N	3	N
SLC35F1	0.476902839	N	0	N
ZNF544	0.476902839	N	0	N
PIAS1	0.47690838	N	9	N
AC026765.2	0.477470536	N	0	N
BZW1	0.477470536	N	0	N
NDST3	0.477470536	N	0	N
SLC25A13	0.477470536	N	4	N
AC008610.1	0.477499363	N	0	N
AL356653.1	0.477499363	N	0	N
EMC4	0.477499363	N	0	N
RBFA	0.477499363	N	0	N
TMCO1	0.477499363	N	1	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
ZCCHC9	0.477499363	N	0	N
ZNF587	0.477499363	N	0	N
C14orf37	0.477581206	N	0	N
GMPR	0.477643251	N	1	N
PALMD	0.477643251	N	0	N
ZNF148	0.477643251	N	1	N
HEATR1	0.477900156	N	0	N
HIST1H2AL	0.477900156	N	0	N
Metazoa_SRP	0.477900156	N	0	N
SNX29	0.477979524	N	1	N
AC124312.3	0.478047111	N	0	N
GPD2	0.478184053	N	3	N
HIP1	0.478184053	N	3	N
IFFO1	0.478184053	N	0	N
LRRC42	0.478184053	N	0	N
MMAA	0.478184053	N	2	N
ATP5LP2	0.478268657	N	0	N
CYP1A1	0.478405624	N	68	N
AC023509.1	0.478432638	N	0	N
AC093702.1	0.478441556	N	0	N
AL139385.1	0.478441556	N	0	N
ARSJ	0.478441556	N	0	N
DTX3	0.478441556	N	0	N
GNA11	0.478441556	N	2	N
MINDY4	0.478441556	N	0	N
OAS2	0.478441556	N	0	N
RNF220	0.478441556	N	0	N
STK17B	0.478441556	N	1	N
TUBG1P	0.478441556	N	0	N
ZNF488	0.478441556	N	0	N
C2orf48	0.478458954	N	0	N
COPB2	0.478517327	N	0	N
MAP4K1	0.478517327	N	1	N
NUDT8	0.478640399	N	0	N
IGFL2	0.478766625	N	0	N
MRPL9	0.478766625	N	0	N
AC018690.1	0.478822329	N	0	N
C1QL4	0.478822329	N	0	N
GPN3	0.478822329	N	0	N
ZNF469	0.478822329	N	0	N
ZNF791	0.478822329	N	0	N
CCDC88A	0.47891782	N	10	N
UBR3	0.479521731	N	0	N
YEATS2	0.479726247	N	0	N
ZNF12	0.47985368	N	1	N
ACKR3	0.479907775	N	2	N
PPM1N	0.479907775	N	0	N
SEC63P1	0.4800497	N	0	N
FMN1	0.480608167	N	1	N
Z97989.1	0.480736929	N	0	N
AC092638.2	0.48089238	N	0	N
EEF2	0.480903134	N	55	N
AC010886.1	0.481113986	N	0	N
AC008147.2	0.481194471	N	0	N
AC107982.3	0.481194471	N	0	N
CAB39L	0.481194471	N	0	N
PERP	0.481194471	N	7	N
MT1M	0.481319121	N	0	N
HNRNPCL1	0.481383092	N	0	N
PFDN2	0.481383092	N	0	N
AC020893.1	0.481732113	N	0	N
AC023824.7	0.481732113	N	0	N
AC125807.2	0.481732113	N	0	N
ALDH18A1	0.481732113	N	2	N
LINC01372	0.481732113	N	0	N
AC016708.1	0.481976288	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
CLPB	0.481976288	N	4	N
MICA	0.482936194	N	45	N
AC036176.1	0.483069799	N	0	N
FBXL14	0.483069799	N	0	N
FOXRED1	0.483069799	N	0	N
ZNF788	0.483069799	N	0	N
BRWD3	0.483110999	N	0	N
HSPA8P4	0.483229616	N	0	N
SNTG2	0.483229616	N	1	N
ACAD10	0.483292417	N	2	N
Metazoa_SRP	0.483292417	N	0	N
AC002546.1	0.483303349	N	0	N
AC092115.1	0.483303349	N	0	N
AL031679.1	0.483303349	N	0	N
AL356215.1	0.483303349	N	0	N
AL358852.1	0.483303349	N	0	N
GMDS-AS1	0.483303349	N	0	N
MCRS1	0.483303349	N	0	N
MTFP1	0.483303349	N	0	N
RPS2P32	0.483303349	N	0	N
ABT1	0.483307191	N	0	N
AL031587.5	0.483307191	N	0	N
AL645568.1	0.483307191	N	0	N
ARPIN	0.483307191	N	0	N
CYB561D2	0.483307191	N	0	N
ELOVL5	0.483307191	N	10	N
FSTL1	0.483307191	N	11	N
GPR107	0.483307191	N	1	N
MMD	0.483307191	N	9	N
OSMR-AS1	0.483307191	N	0	N
SPTSSB	0.483307191	N	0	N
TPRKBP1	0.483307191	N	0	N
ST3GAL3	0.483457648	N	0	N
SYNGAP1	0.483650374	N	0	N
DDX11-AS1	0.483650912	N	0	N
ZFP42	0.4837004	N	0	N
G3BP1	0.48380383	N	4	N
AL359634.1	0.484052859	N	0	N
AL591475.1	0.484052859	N	0	N
Clorf52	0.484052859	N	0	N
CYP51A1P2	0.484052859	N	0	N
KANSL3	0.484052859	N	0	N
KLHL36	0.484052859	N	0	N
LINC01722	0.484052859	N	0	N
TCP1P1	0.484052859	N	0	N
ZDHHC5	0.484052859	N	0	N
SEPT6	0.484066209	N	0	N
AC114776.1	0.484066209	N	0	N
BX284668.2	0.484066209	N	0	N
CLK1	0.484066209	N	1	N
CTNND1	0.484066209	N	0	N
KLHL29	0.484066209	N	0	N
PPP2R5B	0.484066209	N	2	N
RIMKLA	0.484066209	N	0	N
SMCHD1	0.484066209	N	0	N
EMG1	0.484173185	N	1	N
SPAG16	0.484173185	N	1	N
AL121886.1	0.484382942	N	0	N
CFAP54	0.484382942	N	0	N
RCE1	0.484382942	N	0	N
SLC25A20	0.484382942	N	4	N
ZFR	0.484619829	N	23	N
CHPF	0.48485081	N	0	N
DPP9-AS1	0.48485081	N	0	N
RECQL	0.48485081	N	1	N
SNCA	0.48485081	N	14	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
WDR41	0.48485081	N	0	N
BNC2	0.485348072	N	1	N
ZDHHC21	0.485358662	N	0	N
PIN1P1	0.485370314	N	0	N
GLRX3	0.485390777	N	0	N
FAM149B1	0.485407012	N	0	N
CSDE1	0.485812528	N	0	N
BZW1P2	0.485866885	N	0	N
EFCAB2	0.485866885	N	0	N
LINC00339	0.485881398	N	0	N
AC080013.1	0.485947059	N	0	N
AMPD2	0.485947059	N	2	N
HIST1H2AM	0.485947059	N	0	N
OXTR	0.485947059	N	9	N
ATP6V0A1	0.486277518	N	0	N
PDZRN4	0.486325339	N	1	N
BTF3	0.486485147	N	0	N
DCAF8	0.486485147	N	0	N
AC254633.1	0.486547874	N	0	N
BMS1P14	0.486780639	N	0	N
LINC00222	0.486780639	N	0	N
AC010255.1	0.487062018	N	0	N
AC040169.1	0.487062018	N	0	N
FIZ1	0.487062018	N	1	N
METTL8	0.487062018	N	0	N
NIPAL1	0.487062018	N	0	N
TAB3	0.487062018	N	1	N
TMEM181	0.487062018	N	0	N
TP73	0.487062018	N	2	N
YPEL3	0.487062018	N	0	N
AC093525.6	0.48707948	N	0	N
ABCC6	0.487113149	N	2	N
AC006128.1	0.487113149	N	0	N
AC025040.2	0.487113149	N	0	N
AC084824.4	0.487113149	N	0	N
AC119800.1	0.487113149	N	0	N
AL136038.3	0.487113149	N	0	N
AP001767.4	0.487113149	N	0	N
AP003035.1	0.487113149	N	0	N
AP2A2	0.487113149	N	1	N
ARRDC3-AS1	0.487113149	N	0	N
BCO2	0.487113149	N	1	N
CAPN5	0.487113149	N	1	N
CBX5	0.487113149	N	0	N
CHST2	0.487113149	N	0	N
COL8A1	0.487113149	N	4	N
DAG1	0.487113149	N	1	N
DCLRE1C	0.487113149	N	0	N
DCP1B	0.487113149	N	0	N
DEPDC7	0.487113149	N	0	N
DOCK9-AS2	0.487113149	N	0	N
FRYL	0.487113149	N	0	N
GINS1	0.487113149	N	1	N
GMFG	0.487113149	N	0	N
HIST1H3H	0.487113149	N	0	N
IL7R	0.487113149	N	3	N
KLF9	0.487113149	N	10	N
LINC02274	0.487113149	N	0	N
MARK4	0.487113149	N	6	N
MRPL17	0.487113149	N	0	N
MTIF2	0.487113149	N	0	N
NEIL1	0.487113149	N	0	N
NOP9	0.487113149	N	0	N
NUDCD1	0.487113149	N	1	N
PCDHGB7	0.487113149	N	0	N
PCNA	0.487113149	N	581	Y

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
PCSK9	0.487113149	N	114	Y
PIK3CB	0.487113149	N	121	Y
PLPPR2	0.487113149	N	0	N
POLR2I	0.487113149	N	0	N
PSMB7	0.487113149	N	0	N
PTPN1	0.487113149	N	466	Y
PTX3	0.487113149	N	43	N
RN7SL608P	0.487113149	N	0	N
SELENOM	0.487113149	N	0	N
SERPINA3	0.487113149	N	2	N
SIK3	0.487113149	N	9	N
SNHG28	0.487113149	N	0	N
TFRC	0.487113149	N	10	N
TP53TG1	0.487113149	N	0	N
USP51	0.487113149	N	0	N
ZBTB33	0.487113149	N	0	N
ZRANB1	0.487113149	N	0	N
TIMP4	0.487390805	N	4	N
AC010245.2	0.487679737	N	0	N
AC093716.1	0.487679737	N	0	N
AC093724.1	0.487679737	N	0	N
AC097359.2	0.487679737	N	0	N
AC245297.2	0.487679737	N	0	N
ADGRG4	0.487679737	N	0	N
AL136164.3	0.487679737	N	0	N
ATAD3B	0.487679737	N	1	N
CACNB4	0.487679737	N	1	N
IGSF6	0.487679737	N	0	N
LINC02102	0.487679737	N	0	N
PUS10	0.487679737	N	0	N
QRICH2	0.487679737	N	0	N
TMEM232	0.487679737	N	0	N
TRIM32	0.487679737	N	2	N
GJA5	0.48780968	N	1	N
AK4	0.488038742	N	3	N
PHF11	0.488300635	N	0	N
SLC12A1	0.488300635	N	10	N
ARF4	0.488408245	N	0	N
FDXACB1	0.488408245	N	0	N
SHOX2	0.488545004	N	12	N
MMP24-AS1	0.488622085	N	0	N
AC010976.1	0.488880995	N	0	N
AL359220.1	0.488880995	N	0	N
IGFN1	0.488880995	N	0	N
ZNF184	0.488894122	N	0	N
AC055764.2	0.489140625	N	0	N
AL031587.6	0.489140625	N	0	N
APOC1	0.489140625	N	10	N
AC010422.6	0.489153271	N	0	N
ADGRV1	0.489472896	N	0	N
DICER1	0.489472896	N	22	N
NDUFA8	0.489472896	N	0	N
POLR2K	0.489472896	N	0	N
TM9SF2	0.489472896	N	0	N
ZNF449	0.489472896	N	0	N
ZZEF1	0.489472896	N	0	N
TENM3	0.48953513	N	0	N
CASC11	0.489762612	N	0	N
AC004918.3	0.48992189	N	0	N
ETNK2	0.490482146	N	0	N
CGN	0.490618794	N	14	N
R3HDM2	0.490618794	N	0	N
TUBE1	0.491126714	N	0	N
RAB1A	0.491188581	N	5	N
TRIM52-AS1	0.491188581	N	0	N
AKR1B1P1	0.491241192	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
LINC00242	0.491241192	N	0	N
NRXN1	0.491241192	N	0	N
CXorf40B	0.491353147	N	0	N
LINC00973	0.491353147	N	0	N
FANCM	0.491417298	N	0	N
AP000437.1	0.491448345	N	0	N
CNOT7	0.491608564	N	2	N
CRYBB2P1	0.491608564	N	0	N
AL157392.3	0.491635123	N	0	N
BET1L	0.491809487	N	0	N
ITGA6	0.49202503	N	3	N
TLK1P1	0.49216601	N	0	N
GPS2P1	0.492665789	N	0	N
FABP5P3	0.492668725	N	0	N
AC017074.1	0.492773845	N	0	N
AC068944.1	0.492773845	N	0	N
LAMA5	0.492773845	N	1	N
RGS12	0.492773845	N	0	N
CTPS2	0.492846716	N	0	N
GATA2-AS1	0.492908885	N	0	N
ZER1	0.492908885	N	0	N
THRB-IT1	0.493055491	N	0	N
FBXL4	0.493214758	N	0	N
CRTC3-AS1	0.493719745	N	0	N
AC025031.1	0.493726607	N	0	N
AC093752.3	0.493726607	N	0	N
DENND5A	0.493726607	N	0	N
BPGM	0.493833567	N	1	N
NSMCE1	0.493833567	N	0	N
SCAMP1	0.493846523	N	0	N
CPM	0.494457586	N	135	Y
IWS1	0.494457586	N	0	N
YIPF4	0.494457586	N	0	N
PDE10A	0.49554379	N	11	N
AC011503.2	0.49561682	N	0	N
AC099522.2	0.49561682	N	0	N
AL161909.1	0.49561682	N	0	N
AP000688.2	0.49561682	N	0	N
C1orf21	0.49561682	N	0	N
NFU1P2	0.49561682	N	0	N
OSBPL10	0.49561682	N	0	N
PSMD14	0.49561682	N	0	N
SNX20	0.49561682	N	0	N
SPA17P1	0.49561682	N	0	N
U2AF1	0.49561682	N	3	N
ZNF780B	0.49561682	N	0	N
AC098965.1	0.495723431	N	0	N
OAS1	0.495892736	N	3	N
AL603839.3	0.495992261	N	0	N
HIST2H3DP1	0.496112541	N	0	N
SRBD1	0.496112541	N	0	N
ZNF429	0.496112541	N	0	N
AL121845.3	0.496139889	N	0	N
IL23A	0.496139889	N	4	N
KCNS1	0.496171875	N	0	N
POLD2	0.496221765	N	0	N
HERC4	0.49626993	N	0	N
MSH2	0.49626993	N	10	N
VPS72	0.496464366	N	0	N
LAMP5	0.496694491	N	0	N
OGG1	0.496694491	N	20	N
RAB5B	0.496715892	N	4	N
SRD5A1P1	0.496715892	N	0	N
GRK2	0.496783827	N	69	N
AC073136.1	0.497143479	N	0	N
AC090241.2	0.497143479	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
KPNA5	0.497180199	N	0	N
AMBRA1	0.49729928	N	3	N
MRGPRF-AS1	0.497506834	N	0	N
AC006504.5	0.497659243	N	0	N
CDH9	0.497659243	N	0	N
COG7	0.497659243	N	0	N
NTMT1	0.497659243	N	0	N
AC067930.4	0.49767786	N	0	N
AC006548.3	0.498336858	N	0	N
AC005046.1	0.498490901	N	0	N
DNAJC18	0.498602665	N	0	N
AL590560.2	0.498706026	N	0	N
PRKN	0.498706026	N	3	N
SNX22	0.498706026	N	0	N
AC233263.6	0.498707345	N	0	N
EIF2B1	0.498707345	N	39	N
LINC02381	0.498707345	N	0	N
PIN1	0.498707345	N	19	N
TCTN1	0.498707345	N	1	N
MYBL1	0.498709612	N	4	N
ZNF37A	0.498781389	N	0	N
Z98257.1	0.498984304	N	0	N
AL627231.1	0.499019951	N	0	N
TELO2	0.499106738	N	1	N
AC112656.1	0.499109857	N	0	N
AP000962.2	0.499229966	N	0	N
POLI	0.499229966	N	56	N
AC004943.1	0.499439608	N	0	N
TRAF2	0.499665556	N	28	N
AGRN	0.499711647	N	1	N
HIF1A-AS1	0.499711647	N	0	N
MSI2	0.499711647	N	2	N
NAV3	0.499860175	N	1	N
GTF3A	0.499935087	N	1	N
NOP58	0.499935087	N	0	N
PKP4	0.499935087	N	0	N
FTL	0.499975895	N	3	N
AL512506.3	0.499986731	N	0	N
FGFBP3	0.499986731	N	1	N
KDM4C	0.499986731	N	0	N
NHP2P1	0.499986731	N	0	N
SETP3	0.499986731	N	0	N
AC015911.4	0.500041523	N	0	N
AC007613.1	0.500095746	N	0	N
CATIP	0.500137355	N	0	N
NAGLU	0.500137355	N	7	N
KRT34	0.500206087	N	0	N
AC026111.1	0.500478254	N	0	N
ATP7A	0.500478254	N	11	N
C11orf54	0.500478254	N	0	N
AC138028.1	0.500487419	N	0	N
CD276	0.500487419	N	3	N
EDEM3	0.500487419	N	0	N
KIAA2013	0.500487419	N	0	N
NPAS3	0.500487419	N	2	N
PAPSS1	0.500487419	N	1	N
FGF14	0.500560349	N	2	N
THEM6	0.500560349	N	0	N
SNHG25	0.500631975	N	0	N
YIPF6	0.500631975	N	0	N
TGIF1	0.500671077	N	2	N
KCNK6	0.500680044	N	0	N
MASP2	0.500701371	N	0	N
ACD	0.500932099	N	34	N
ATF6	0.501049653	N	127	Y
PLCD4	0.501049653	N	2	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
SPTLC1	0.501049653	N	3	N
SRPK3	0.501049653	N	0	N
AC008725.1	0.501141342	N	0	N
MTND5P15	0.501222536	N	0	N
AC006236.1	0.501229252	N	0	N
AC011479.3	0.501229252	N	0	N
ALG10	0.501229252	N	0	N
FOXL1	0.501229252	N	0	N
LAMA4	0.501229252	N	3	N
LINC02019	0.501229252	N	0	N
MAN2B1	0.501229252	N	0	N
MYLK	0.501229252	N	1	N
PIAS2	0.501229252	N	0	N
CCR10	0.501246179	N	4	N
AGPAT4	0.501507448	N	1	N
KRT17	0.501602907	N	1	N
KIAA1257	0.50169841	N	0	N
HIST1H2AE	0.501875386	N	0	N
TOMM6	0.501875386	N	1	N
AC007552.2	0.50191472	N	0	N
AC242376.2	0.50191472	N	0	N
AL353662.3	0.50191472	N	0	N
CCDC43	0.50191472	N	0	N
EBLN2	0.50191472	N	0	N
GPRIN1	0.50191472	N	3	N
HNRNPUP1	0.50191472	N	0	N
IGBP1	0.50191472	N	2	N
PITRM1-AS1	0.50191472	N	0	N
CHAC2	0.502396756	N	0	N
PALM2-AKAP2	0.502396756	N	0	N
RABGGTB	0.502396756	N	0	N
AL035407.1	0.502435891	N	0	N
CEP250	0.502435891	N	1	N
HIST1H4E	0.502435891	N	0	N
RMI1	0.502435891	N	1	N
ABCG1	0.502726502	N	61	N
AC103792.1	0.502726502	N	0	N
AC231981.1	0.502726502	N	0	N
AL023803.2	0.502726502	N	0	N
AL356361.1	0.502726502	N	0	N
BCDIN3D-AS1	0.502726502	N	0	N
EI24	0.502726502	N	5	N
FAM122B	0.502726502	N	0	N
FAM46C	0.502726502	N	0	N
GDF1	0.502726502	N	1	N
GPNMB	0.502726502	N	6	N
JPH4	0.502726502	N	0	N
LINC00641	0.502726502	N	0	N
NLRP2	0.502726502	N	3	N
PHACTR1	0.502726502	N	1	N
PRSS3	0.502726502	N	1	N
SALL2	0.502726502	N	1	N
SELENOF	0.502726502	N	0	N
SNRPD2	0.502726502	N	0	N
TBC1D32	0.502726502	N	0	N
USP49	0.502726502	N	0	N
ZNF276	0.502726502	N	0	N
ZNF785	0.502726502	N	0	N
MARCH5	0.502900538	N	0	N
AC078846.1	0.502900538	N	0	N
AC090510.1	0.502900538	N	0	N
AC116667.1	0.502900538	N	0	N
AL365203.1	0.502900538	N	0	N
ALDH1B1	0.502900538	N	3	N
EZH1	0.502900538	N	3	N
KIRREL1	0.502900538	N	1	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
PLA2G12A	0.502900538	N	0	N
RN7SL4P	0.502900538	N	0	N
TNFAIP1	0.502900538	N	2	N
UBAP1	0.502900538	N	0	N
COQ6	0.502907188	N	2	N
LARP1P1	0.503047127	N	0	N
ORC6	0.503047127	N	0	N
RAB11AP1	0.503047127	N	0	N
SUMO4	0.503047127	N	14	N
B4GAT1	0.503094239	N	0	N
AF131215.5	0.50327891	N	0	N
AC138028.2	0.503290473	N	0	N
KIAA1324	0.503761778	N	0	N
Metazoa_SRP	0.503761778	N	0	N
RASSF5	0.503761778	N	1	N
AC106881.1	0.50380131	N	0	N
ADAMTSL5	0.503886573	N	0	N
AC068790.5	0.50408442	N	0	N
AIMP2	0.50408442	N	0	N
RP11-160O5.1	0.50408442	N	0	N
AL139148.1	0.504107369	N	0	N
ITPR2	0.504107369	N	1	N
ST6GAL1	0.504107369	N	1	N
AMOTL2	0.504645811	N	0	N
AP002770.2	0.504645811	N	0	N
ARF4P1	0.504645811	N	0	N
BDKRB1	0.504645811	N	1	N
DDIT3	0.504645811	N	156	Y
ESYT2	0.504645811	N	0	N
FAM30A	0.504645811	N	0	N
GRIN2C	0.504645811	N	0	N
LINC00969	0.504645811	N	0	N
LONRF3	0.504645811	N	0	N
MRV11-AS1	0.504645811	N	0	N
AP005717.1	0.504711155	N	0	N
BRICD5	0.504711155	N	0	N
RAD23B	0.504711155	N	2	N
HIST1H2AD	0.504742226	N	0	N
AC096745.2	0.504899253	N	0	N
PTPRF	0.504899253	N	8	N
LGALS1	0.504972602	N	0	N
GLA	0.505046312	N	356	Y
BBS2	0.505047813	N	1	N
TBR1	0.505052041	N	1	N
AL512329.2	0.505204883	N	0	N
C1orf123	0.505204883	N	0	N
CAND1	0.505204883	N	0	N
HNRNPABP1	0.505204883	N	0	N
NICN1	0.505204883	N	0	N
PLB1	0.505204883	N	0	N
SMYD5	0.505204883	N	0	N
TYRO3	0.505204883	N	6	N
XRCC6P2	0.505204883	N	0	N
AL049795.1	0.505934818	N	0	N
CRTAP	0.506073372	N	0	N
NPY2R	0.506073372	N	3	N
AC000123.3	0.50616176	N	0	N
RUNX2-AS1	0.50616176	N	0	N
AL031316.1	0.506294622	N	0	N
MEG3	0.506294622	N	45	N
MTMR6	0.506294622	N	0	N
TMEM220-AS1	0.506294622	N	0	N
AC097533.1	0.506301158	N	0	N
ASAP2	0.506360837	N	2	N
ZNF101	0.506360837	N	0	N
NUDCD2	0.506483476	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
UTP6	0.506590999	N	0	N
C11orf98	0.506688161	N	0	N
TP53I11	0.506764177	N	2	N
AC008758.4	0.506957001	N	0	N
AC244100.2	0.506957001	N	0	N
HCAR1	0.506957001	N	1	N
RSPO1	0.506957001	N	9	N
AL356235.1	0.506966201	N	0	N
AC026471.6	0.507064644	N	0	N
DCN	0.507064644	N	46	N
EEF1A1P12	0.50729372	N	0	N
SEC23A	0.50729372	N	3	N
AL512637.1	0.507388954	N	0	N
NOL7	0.507432599	N	0	N
RELT	0.507565828	N	0	N
AC083967.1	0.507567354	N	0	N
TATDN2P2	0.507567354	N	0	N
AC116535.1	0.507642588	N	0	N
STYXL1	0.507642588	N	0	N
AC005832.3	0.507650658	N	0	N
AC096947.1	0.507650658	N	0	N
ARPC5L	0.507650658	N	0	N
CDH24	0.507650658	N	0	N
ELOBP1	0.507650658	N	0	N
RTN1	0.507650658	N	1	N
IRAK1	0.507775137	N	16	N
GPATCH2	0.507901296	N	0	N
PINK1-AS	0.50801545	N	0	N
EID3	0.508027941	N	1	N
IGFL4	0.508039633	N	0	N
LRRC66	0.508110703	N	0	N
PCNX4	0.508110703	N	0	N
STK24-AS1	0.508110703	N	0	N
ZNF862	0.508110703	N	0	N
ARHGAP42	0.508265621	N	0	N
ATG13	0.508265621	N	5	N
BAZ1B	0.508265621	N	1	N
BMT2	0.508265621	N	0	N
COMMD5	0.508265621	N	0	N
CRHBP	0.508265621	N	1	N
CTDNEP1	0.508265621	N	1	N
DNASE1L1	0.508265621	N	0	N
LY75	0.508265621	N	0	N
SLC20A2	0.508265621	N	1	N
AC092989.1	0.508375902	N	0	N
AP004608.1	0.508375902	N	0	N
TRIM41	0.508375902	N	0	N
WEE2-AS1	0.508375902	N	0	N
CTDSP2	0.508502972	N	0	N
METTL18	0.50858139	N	0	N
AC067945.1	0.508817716	N	0	N
AL391422.3	0.508831476	N	0	N
TRIM2	0.508844106	N	2	N
AC098934.1	0.508912082	N	0	N
FAM184B	0.509276344	N	1	N
BTBD1	0.509714015	N	0	N
RBM15B	0.509808649	N	0	N
AC127521.1	0.509844608	N	0	N
EPB41L2	0.509844608	N	1	N
FAM221B	0.509844608	N	0	N
ZNF630	0.509844608	N	0	N
MRPL10	0.509845406	N	0	N
PARP1P1	0.509845406	N	0	N
ZBED2	0.509845406	N	0	N
CFAP45	0.510326058	N	0	N
WDR75	0.510326058	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
TLL3	0.510342139	N	0	N
AP003356.1	0.510388021	N	0	N
COPA	0.510388021	N	2	N
DYRK1B	0.510388021	N	2	N
PRMT5	0.510388021	N	4	N
AC109347.1	0.510610183	N	0	N
AL035419.1	0.510610183	N	0	N
KCTD18	0.510610183	N	0	N
MAP7D3	0.510610183	N	0	N
PSG8	0.510610183	N	0	N
AC067942.3	0.51069815	N	0	N
SERTAD1	0.511150707	N	1	N
GRIK1	0.511224821	N	0	N
UBR2	0.511224821	N	0	N
UHRF1	0.511224821	N	2	N
GABRG1	0.51133431	N	0	N
MACC1	0.51142139	N	3	N
SLC2A9	0.51142139	N	15	N
PSMD2	0.51143084	N	0	N
STAG3L5P-PVRIG2P-PILRB	0.51143084	N	0	N
UGDH	0.51143084	N	1	N
PRPF6	0.511458	N	0	N
CCDC30	0.511482	N	0	N
DIO1	0.511589642	N	4	N
PBRM1	0.511707416	N	1	N
AC010653.1	0.511739392	N	0	N
AC097467.3	0.511749134	N	0	N
HTRA3	0.511749134	N	3	N
HRG	0.511753868	N	30	N
BTC	0.511825847	N	94	N
LINC02170	0.511825847	N	0	N
MIAT	0.511859872	N	3	N
SPRED2	0.511859872	N	1	N
AC068775.1	0.511864675	N	0	N
AL157838.1	0.511864675	N	0	N
CD44-AS1	0.511864675	N	0	N
FAM85B	0.511864675	N	0	N
IFITM3	0.511864675	N	2	N
SCN11A	0.511864675	N	0	N
AKR1B1P3	0.511959169	N	0	N
NGDN	0.511959169	N	0	N
TEAD4	0.511959169	N	4	N
RAD9A	0.51198589	N	0	N
ULK3	0.512313046	N	0	N
AJ239322.1	0.512572933	N	0	N
DTD1	0.512572933	N	1	N
JADE2	0.512572933	N	0	N
GALNT7	0.512578718	N	0	N
GAS6	0.512578718	N	18	N
LINC02141	0.512578718	N	0	N
PAXIP1-AS1	0.512578718	N	0	N
SFTA1P	0.512578718	N	0	N
STARD7	0.512578718	N	0	N
TRAPPC10	0.512578718	N	0	N
C6orf163	0.512621659	N	0	N
CCT6A	0.512651055	N	0	N
PRMT1	0.51277687	N	9	N
TNIP2	0.51277687	N	0	N
NAP1L4P3	0.512938776	N	0	N
NECAP1P1	0.5130318	N	0	N
AL512634.1	0.513101312	N	0	N
BORCS5	0.513101312	N	0	N
GTF2E2	0.513101312	N	0	N
INO80D	0.513101312	N	0	N
MROH7	0.513101312	N	0	N
RNF135	0.513101312	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
RPA2P3	0.513101312	N	0	N
AC022384.1	0.513426419	N	0	N
AL162274.2	0.513525349	N	0	N
AC079298.1	0.51358843	N	0	N
ZNF436	0.51358843	N	0	N
SOX9-AS1	0.513833817	N	0	N
BCL6B	0.513843505	N	1	N
ZFP91-CNTF	0.513843505	N	0	N
AC087893.1	0.513936089	N	0	N
ADGRA3	0.513936089	N	0	N
AL033529.1	0.513936089	N	0	N
ALG2	0.513936089	N	0	N
CRYL1	0.513936089	N	0	N
DHCR7	0.513936089	N	9	N
DIO3OS	0.513936089	N	0	N
GPAT3	0.513936089	N	7	N
HLA-E	0.513936089	N	5	N
HMG20A	0.513936089	N	9	N
ICAIL	0.513936089	N	0	N
LINC01360	0.513936089	N	0	N
LSM6P2	0.513936089	N	0	N
MACF1	0.513936089	N	1	N
MKL1	0.513936089	N	5	N
NDUFAF8	0.513936089	N	0	N
PAXX	0.513936089	N	0	N
PLD3	0.513936089	N	1	N
SLC16A2	0.513936089	N	4	N
TMEM26	0.513936089	N	3	N
TSHZ1	0.513936089	N	3	N
CCDC9	0.51401752	N	0	N
IL17RA	0.51401752	N	2	N
PRAG1	0.51401752	N	0	N
AC009435.1	0.514238737	N	0	N
ABHD16B	0.514269739	N	0	N
AC110285.2	0.514269739	N	0	N
AP002765.1	0.514269739	N	0	N
CDHR1	0.514269739	N	1	N
EDRF1	0.514269739	N	0	N
HARS	0.514269739	N	3	N
HIST2H2AC	0.514269739	N	0	N
MED7	0.514269739	N	1	N
SEN3	0.514269739	N	0	N
UBE2Q2P1	0.514269739	N	0	N
WRNIP1	0.514269739	N	0	N
ZMYM1	0.514269739	N	0	N
SEN3	0.514329937	N	0	N
AL365436.2	0.514339182	N	0	N
CBX1P1	0.514339182	N	0	N
EIF4A2P2	0.514339182	N	0	N
MYL9	0.514339182	N	0	N
RNU4-1	0.514339182	N	0	N
TTLL5	0.514339182	N	0	N
GRINA	0.514347657	N	4	N
AC084782.1	0.514405658	N	0	N
XRN1	0.514405658	N	2	N
AC061709.2	0.514529057	N	0	N
AC138932.3	0.514529057	N	0	N
ANKRD10	0.514529057	N	0	N
ASB11	0.514529057	N	0	N
C5	0.514529057	N	110	Y
MACROD2	0.514529057	N	4	N
MAML3	0.514529057	N	0	N
PXMP2	0.514529057	N	2	N
ZC3HC1	0.514529057	N	0	N
ZNF423	0.514548843	N	1	N
PTPN5	0.514643585	N	1	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
SUGP2	0.514643585	N	0	N
AL591686.1	0.514668437	N	0	N
ABCG2	0.51470452	N	54	N
KRT16	0.51470452	N	0	N
EIF5AL1	0.514971673	N	0	N
CDC123	0.515041818	N	13	N
AL157871.5	0.515465886	N	0	N
NEK3	0.51552907	N	0	N
HCN2	0.515707372	N	4	N
GLUL	0.515745279	N	4	N
TNFSF12-TNFSF13	0.515745279	N	0	N
EAPP	0.515979344	N	0	N
KIAA0319L	0.515979344	N	0	N
TUSC7	0.515979344	N	0	N
SDHC	0.516437046	N	4	N
ATP5EP2	0.516593455	N	0	N
C2orf69	0.516593455	N	0	N
GPR137C	0.516593455	N	0	N
AGAP9	0.516595932	N	0	N
ADHFE1	0.516729328	N	1	N
KAT5	0.516729328	N	1	N
STX12	0.516729328	N	0	N
PIGN	0.51673241	N	0	N
SMAD1	0.51673241	N	49	N
ELFN2	0.51681623	N	0	N
MEF2C	0.51681623	N	49	N
POLR2M	0.51681623	N	0	N
AC011461.1	0.516910099	N	0	N
AL034550.1	0.516910099	N	0	N
ANO8	0.516910099	N	0	N
AC084125.4	0.517078827	N	0	N
DDX49	0.51718202	N	0	N
PVRIG	0.51718202	N	0	N
AL136040.1	0.517225014	N	0	N
ASXL2	0.517343714	N	3	N
TTF1	0.517910319	N	9	N
AC009054.2	0.517935093	N	0	N
AC103706.1	0.517935093	N	0	N
AC103923.1	0.517935093	N	0	N
SLC5A10	0.517935093	N	1	N
Z99289.3	0.517988524	N	0	N
HMX1	0.518028913	N	1	N
AC087369.1	0.51811262	N	0	N
NGEF	0.51811262	N	1	N
SDC4	0.51811262	N	5	N
TOPBP1	0.51811262	N	1	N
C3orf14	0.518187814	N	0	N
AC004491.1	0.518193837	N	0	N
POLD1	0.518367242	N	1	N
GRSF1	0.518398329	N	0	N
TERB1	0.5184112	N	0	N
FUCA1	0.518445469	N	0	N
RRM2	0.518506469	N	3	N
LINC01558	0.518585249	N	0	N
PTPN9	0.518585249	N	6	N
AL391807.1	0.518667779	N	0	N
CDC42EP5	0.518667779	N	0	N
WDR37	0.518667779	N	0	N
AP001282.2	0.518909755	N	0	N
ETV3	0.518909755	N	1	N
GPR156	0.518909755	N	0	N
MRPL34	0.518909755	N	0	N
OR52H1	0.518909755	N	0	N
RBMS2	0.518909755	N	0	N
RNF144B	0.518909755	N	1	N
SNRPD1	0.518909755	N	1	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
SUMO3	0.518909755	N	4	N
TRIM7	0.518909755	N	1	N
AC005410.2	0.519113866	N	0	N
KCTD13	0.519113866	N	0	N
SLC35G2	0.519113866	N	0	N
AC008691.1	0.519537362	N	0	N
ACCS	0.519537362	N	27	N
ATP2B2	0.519537362	N	3	N
HTRA1	0.519537362	N	13	N
FBLIM1	0.519552637	N	0	N
AC016727.1	0.519651808	N	0	N
GMPPSP1	0.519671178	N	0	N
C12orf45	0.519841788	N	0	N
NPM2	0.519841788	N	1	N
TRMT61B	0.519863159	N	0	N
AC012508.1	0.519960611	N	0	N
AC139712.1	0.519960611	N	0	N
STARD8	0.520133967	N	0	N
FBXO36P1	0.520244292	N	0	N
MFHAS1	0.520244292	N	1	N
AC004832.3	0.520742064	N	0	N
AC016590.1	0.520742064	N	0	N
AC019294.4	0.520742064	N	0	N
AL161457.2	0.520742064	N	0	N
AL353898.1	0.520742064	N	0	N
AL591848.4	0.520742064	N	0	N
ANAPC15	0.520742064	N	0	N
DDX18P3	0.520742064	N	0	N
EXTL2	0.520742064	N	0	N
FAM109B	0.520742064	N	1	N
PUF60	0.520742064	N	1	N
RNF222	0.520742064	N	0	N
RNU5B-1	0.520742064	N	0	N
SPATA17	0.520742064	N	0	N
Z83847.1	0.520742064	N	0	N
SNORA22B	0.520766122	N	0	N
STAG3L3	0.520766122	N	0	N
AP005233.2	0.520952953	N	0	N
ARPC1A	0.520952953	N	0	N
KCTD20	0.520952953	N	1	N
PHACTR3	0.520952953	N	0	N
RGMB	0.520952953	N	1	N
SRD5A1	0.520952953	N	18	N
TBC1D17	0.520952953	N	0	N
AL139260.3	0.520998116	N	0	N
PPP1R3C	0.521038619	N	21	N
AC015813.3	0.521217085	N	0	N
AL035458.1	0.521217085	N	0	N
AL359641.1	0.521217085	N	0	N
C9orf64	0.521217085	N	0	N
COX6A1P2	0.521217085	N	0	N
LDB1	0.521217085	N	19	N
MYO1E	0.521217085	N	0	N
NHP2	0.521217085	N	0	N
NRCAM	0.521217085	N	2	N
SH3BP1	0.521217085	N	0	N
SLC17A7	0.521217085	N	7	N
TNFRSF6B	0.521217085	N	1	N
AC112220.3	0.521265799	N	0	N
MGA	0.521265799	N	11	N
BTBD17	0.521341338	N	0	N
MAPK13	0.521430376	N	3	N
AL118558.3	0.521590783	N	0	N
CLSPN	0.521590783	N	0	N
CPB1	0.52178756	N	3	N
FAM234A	0.52178756	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
RNF125	0.522300483	N	0	N
DOPEY2	0.522394704	N	0	N
RANGAP1	0.522409165	N	0	N
YIPF3	0.522409165	N	0	N
LINC00638	0.522727899	N	0	N
ARID1B	0.522837284	N	2	N
NCBP2	0.522837284	N	0	N
RNF175	0.522837284	N	0	N
SPOCK2	0.522837284	N	1	N
ADGRA1-AS1	0.523000981	N	0	N
E2F7	0.523000981	N	1	N
FAM102A	0.523000981	N	0	N
GRAMD4P3	0.523000981	N	0	N
ISCA2	0.523000981	N	1	N
LINC00674	0.523000981	N	0	N
PCBP1-AS1	0.523000981	N	0	N
PMS2CL	0.523000981	N	0	N
RAB11FIP2	0.523000981	N	0	N
RNF223	0.523000981	N	0	N
SKAP2	0.523000981	N	0	N
STOX2	0.523000981	N	0	N
TOMM5	0.523000981	N	0	N
ZFHX2	0.523000981	N	0	N
AL358074.1	0.523043465	N	0	N
AP002784.2	0.523043465	N	0	N
POLR2J	0.523043465	N	0	N
PSMG3-AS1	0.523043465	N	0	N
RP13-36G14.4	0.523043465	N	0	N
SCN5A	0.523043465	N	11	N
ZC4H2	0.523043465	N	0	N
Z98749.2	0.523070927	N	0	N
UBR7	0.523202002	N	0	N
AC091614.1	0.52325823	N	0	N
BOLA2B	0.52325823	N	0	N
BRF1	0.52325823	N	1	N
CCNG2	0.52325823	N	6	N
IMMP1LP1	0.52325823	N	0	N
RPL4P6	0.52325823	N	0	N
WBP4	0.52325823	N	0	N
WARS2-IT1	0.523276413	N	0	N
AL031768.1	0.52344437	N	0	N
ERVW-1	0.52367436	N	0	N
NACA2	0.523703663	N	1	N
ELF2	0.523726603	N	1	N
AC127526.3	0.523773798	N	0	N
CLPTM1L	0.523773798	N	0	N
ERVMER61-1	0.523773798	N	0	N
BIRC6	0.524002965	N	1	N
HTATIP2	0.524002965	N	2	N
TBC1D2	0.524031962	N	0	N
AL390760.1	0.524130954	N	0	N
TCF3	0.524130954	N	8	N
UBE2A	0.524332267	N	0	N
C3orf67	0.524358111	N	0	N
AC068781.1	0.524364847	N	0	N
AC092140.1	0.524364847	N	0	N
AC104996.2	0.524364847	N	0	N
AL031283.2	0.524364847	N	0	N
AL138752.1	0.524364847	N	0	N
AL390123.1	0.524364847	N	0	N
CHPT1	0.524364847	N	0	N
DDX60L	0.524364847	N	0	N
GPR173	0.524364847	N	1	N
MTRF1L	0.524364847	N	0	N
ORC1	0.524364847	N	2	N
SGTB	0.524364847	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
SH3RF3-AS1	0.524364847	N	0	N
SIDT2	0.524364847	N	5	N
SLC22A20	0.524364847	N	0	N
EXD3	0.524380193	N	0	N
FARS2	0.52438896	N	0	N
ZNF284	0.52438896	N	0	N
BX322650.1	0.524396804	N	0	N
ANKIB1	0.524400233	N	0	N
AC106886.2	0.524495226	N	0	N
CAPZB	0.524608643	N	0	N
AC010894.3	0.524819768	N	0	N
FCFIP2	0.525302666	N	0	N
AL356481.3	0.52545737	N	0	N
TWISTNB	0.52545737	N	0	N
AC087742.1	0.525501201	N	0	N
ADARB1	0.525501201	N	10	N
CDC42EP3	0.525501201	N	0	N
CYB5D2	0.525501201	N	0	N
EIF4HP1	0.525501201	N	0	N
HAUS3	0.525501201	N	0	N
HUWE1	0.525501201	N	3	N
LY6K	0.525501201	N	4	N
ZCRB1	0.525501201	N	0	N
STK36	0.525735598	N	0	N
LRFN5	0.525817453	N	0	N
ANKRD35	0.525845152	N	0	N
SPAG6	0.525845152	N	1	N
Z97633.1	0.525845152	N	0	N
ZNF280C	0.5258515	N	0	N
AC092944.1	0.525904834	N	0	N
HDC	0.525904834	N	23	N
SARS	0.525904834	N	15	N
AVL9	0.526206339	N	0	N
TMEM117	0.526206339	N	0	N
ATRX	0.52629275	N	10	N
FOXO3B	0.52629275	N	1	N
HOXB2	0.52629275	N	3	N
NYX	0.52629275	N	0	N
NOTCH2	0.526633087	N	30	N
TMCO4	0.526633087	N	0	N
GEMIN8	0.52664578	N	0	N
AC007402.1	0.526664263	N	0	N
PKIA	0.526702633	N	1	N
uc_338	0.526702633	N	0	N
CABYR	0.527120691	N	1	N
RP11-61L19.3	0.527120691	N	0	N
AL359918.1	0.527135792	N	0	N
FBXW11P1	0.527135792	N	0	N
MTIE	0.527135792	N	2	N
RBL2	0.527135792	N	1	N
NSMCE2	0.52718299	N	1	N
SNX19P2	0.527297445	N	0	N
SLC37A3	0.527417348	N	1	N
KCNJ10	0.527488528	N	7	N
TOB2	0.527501855	N	1	N
COL5A3	0.527771254	N	2	N
RAB7A	0.527771254	N	0	N
RCOR2	0.527771254	N	3	N
SEPHS1	0.527771254	N	0	N
U2SURP	0.527771254	N	0	N
AC009852.2	0.527833897	N	0	N
MINDY2	0.527833897	N	0	N
TUBG1	0.527833897	N	0	N
AC073957.3	0.52820815	N	0	N
FAM129C	0.52820815	N	0	N
RPL23AP25	0.52820815	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
WDR64	0.52820815	N	0	N
ATP2A3	0.528414515	N	12	N
CCNYL1	0.528494607	N	0	N
SESN1	0.528494607	N	4	N
AC005244.1	0.528553769	N	0	N
AC139713.2	0.528553769	N	0	N
BDNF-AS	0.528553769	N	4	N
GATA6	0.528652672	N	35	N
AL356481.2	0.528933107	N	0	N
HAUS6	0.528933107	N	0	N
HIST1H2AH	0.528933107	N	0	N
MAP3K3	0.528933107	N	4	N
DBIL5P	0.528940971	N	0	N
AK3	0.529000942	N	2	N
RTEL1	0.529077299	N	0	N
ANAPC1	0.529448978	N	0	N
DDX43	0.529448978	N	0	N
PSMC3IP	0.529448978	N	1	N
AC090071.1	0.529457805	N	0	N
GTF2F1	0.529457805	N	0	N
LINC00888	0.529457805	N	0	N
CBLN3	0.529627048	N	1	N
DNASE2	0.529627048	N	0	N
MCCC2	0.529627048	N	1	N
AL451105.2	0.529684804	N	0	N
SCML1	0.529684804	N	0	N
AC090181.3	0.52970142	N	0	N
AC117503.3	0.52970142	N	0	N
AC125257.1	0.52970142	N	0	N
AKR1B1P7	0.529781524	N	0	N
CCDC113	0.529781524	N	0	N
PRKG1-AS1	0.529781524	N	0	N
ZNF582-AS1	0.529781524	N	0	N
ZNF607	0.529781524	N	0	N
LINC00161	0.529898818	N	0	N
NQO1	0.529898818	N	49	N
RN7SL505P	0.529898818	N	0	N
ANKRD6	0.529990309	N	0	N
LINC00337	0.529990309	N	0	N
SEC14L6	0.529990309	N	0	N
SERPINA1	0.529990309	N	11	N
SLC16A8	0.529990309	N	0	N
PHB2P1	0.530098906	N	0	N
AC138932.5	0.530117532	N	0	N
KLHL7-AS1	0.530117532	N	0	N
PIGR	0.530117532	N	2	N
AL162258.1	0.530159779	N	0	N
RPF1	0.530159779	N	0	N
ZMYND19	0.530159779	N	0	N
PHF12	0.530230442	N	0	N
SPINT1	0.530344863	N	0	N
CYB5D1	0.530357435	N	0	N
LAMB3	0.530357435	N	1	N
SIVA1	0.530357435	N	0	N
AC007638.2	0.53040284	N	0	N
AC087477.2	0.530494603	N	0	N
AGBL4	0.530494603	N	0	N
AL391244.1	0.530494603	N	0	N
KDM1A	0.530494603	N	4	N
SYNPO2	0.530494603	N	1	N
GSAP	0.530501013	N	0	N
AC100827.4	0.530714947	N	0	N
CCDC189	0.530714947	N	0	N
EIF2S2P2	0.530714947	N	0	N
NR2C1	0.530714947	N	1	N
ZNF564	0.530714947	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
RAN	0.530729209	N	295	Y
VTN	0.530729209	N	4	N
AD000813.1	0.530915685	N	0	N
NRAV	0.531093639	N	0	N
OLFM1	0.531168892	N	2	N
AC016251.1	0.531444047	N	0	N
DAZAP2	0.53155779	N	0	N
NUDT21	0.53155779	N	1	N
MRPS5	0.531575634	N	0	N
ZRANB2-AS2	0.531693583	N	0	N
AL359532.1	0.531768319	N	0	N
AC016831.3	0.531810042	N	0	N
CNTN3	0.531810042	N	0	N
F8	0.531810042	N	16	N
USP5	0.531916476	N	0	N
AC020763.3	0.531927224	N	0	N
BAZ2B	0.531927224	N	0	N
MUC4	0.531927224	N	14	N
PSME4	0.531927224	N	0	N
AC006116.1	0.53193307	N	0	N
ADNP	0.53193307	N	0	N
AL109613.1	0.53193307	N	0	N
APOL4	0.53193307	N	0	N
SLC35F5	0.53193307	N	0	N
TMEM38B	0.53193307	N	0	N
ZNF609	0.53193307	N	0	N
RPL9P9	0.531979438	N	0	N
TRPM3	0.531985023	N	24	N
LRRIQ3	0.532166323	N	0	N
RAB11FIP1	0.532313738	N	2	N
RHBDL3	0.532313738	N	0	N
SHANK2-AS3	0.532753337	N	0	N
AC025458.1	0.532870401	N	0	N
AC034102.6	0.532870401	N	0	N
GRM4	0.532870401	N	0	N
LINC01139	0.532943983	N	0	N
ANKMY2	0.533302572	N	1	N
CCDC94	0.533461491	N	0	N
LARP7	0.533461491	N	1	N
LINC01561	0.533461491	N	0	N
TIAM1	0.533508061	N	12	N
BCL2L13	0.5337716	N	0	N
AC011755.1	0.53409618	N	0	N
ABHD17B	0.534138818	N	0	N
APH1A	0.534138818	N	0	N
LOXHD1	0.534152123	N	0	N
RGS10	0.534152123	N	2	N
ZFAS1	0.534152123	N	0	N
WAC	0.534375623	N	4	N
TDRP	0.534423547	N	0	N
LRMP	0.534503709	N	0	N
C17orf107	0.534535683	N	0	N
FNDC1	0.534546504	N	0	N
HTR1F	0.534546504	N	0	N
AC008770.3	0.534583148	N	0	N
AC104852.1	0.534583148	N	0	N
ATF2	0.534583148	N	38	N
TMEM38A	0.534583148	N	0	N
ZCWPW2	0.534583148	N	0	N
BAP1	0.534642991	N	4	N
AC017100.1	0.5349782	N	0	N
AC023825.1	0.5349782	N	0	N
CAP2P1	0.5349782	N	0	N
EIF3LP3	0.5349782	N	0	N
GPR135	0.5349782	N	1	N
NOP2	0.5349782	N	3	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
NUCB2	0.5349782	N	74	N
SLC38A6	0.5349782	N	0	N
PDE7A	0.534982344	N	2	N
CHD8	0.535204459	N	0	N
SWAP70	0.535232826	N	0	N
AC005828.6	0.535443294	N	0	N
NYNRIN	0.535443294	N	0	N
AL139099.2	0.535526373	N	0	N
GOLGA7	0.535526373	N	0	N
TRAF5	0.535526373	N	4	N
UTS2B	0.535526373	N	1	N
ZNF2	0.535526373	N	0	N
ZNF674	0.535526373	N	0	N
AC079316.1	0.535577679	N	0	N
PRR27	0.535577679	N	0	N
SATB2	0.535577679	N	5	N
C2CD4D	0.535767107	N	0	N
CCDC92	0.535767107	N	3	N
RTEL1-TNFRSF6B	0.535767107	N	0	N
H2BFS	0.535910704	N	0	N
GLIS1	0.536288986	N	4	N
GON7	0.536288986	N	0	N
AC105402.1	0.536312977	N	0	N
TMEM63B	0.536312977	N	0	N
AC018529.2	0.536452925	N	0	N
AC108673.3	0.536452925	N	0	N
LINC00346	0.536452925	N	0	N
LINC01929	0.536452925	N	0	N
ABHD2	0.536604994	N	0	N
AC004160.1	0.536604994	N	0	N
C5orf15	0.536604994	N	0	N
CDC45	0.536604994	N	1	N
GPR179	0.536604994	N	0	N
MRPS31	0.536604994	N	1	N
PAXIP1-AS2	0.536604994	N	0	N
PHYKPL	0.536604994	N	0	N
AC107398.3	0.536643113	N	0	N
AC021851.1	0.537010207	N	0	N
AC073130.1	0.537010207	N	0	N
LRPPRC	0.537010207	N	2	N
TMPRSS9	0.537010207	N	0	N
DHX40P1	0.537023233	N	0	N
PNLIP	0.537023233	N	7	N
SCCPDH	0.537023233	N	0	N
SNRPE	0.537023233	N	1	N
SRP54-AS1	0.537023233	N	0	N
TMEM196	0.537023233	N	0	N
AC015726.1	0.537209299	N	0	N
ATP6AP1	0.537303598	N	2	N
AL157756.1	0.537439365	N	0	N
NR3C1	0.537736025	N	40	N
PKMYT1	0.537862241	N	0	N
AC011816.1	0.537885457	N	0	N
KPNB1	0.537885457	N	4	N
LINC01858	0.537885457	N	0	N
FANK1	0.537958387	N	0	N
HIPK2	0.537958387	N	6	N
PXT1	0.537958387	N	1	N
TGFBR1	0.53799875	N	49	N
HNRNPLP1	0.538138702	N	0	N
FBXO48	0.538294051	N	0	N
AC005785.1	0.538298488	N	0	N
TMEM203	0.538298488	N	0	N
C1GALT1	0.538375303	N	0	N
AC004520.1	0.538444101	N	0	N
AF001548.2	0.538444101	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
ANKRD36C	0.538444101	N	0	N
CHFR	0.538444101	N	6	N
FO393411.1	0.538444101	N	0	N
HMGA1P6	0.538444101	N	1	N
HTR7	0.538444101	N	1	N
JPH3	0.538444101	N	1	N
PHKB	0.538444101	N	4	N
UBE2I	0.538444101	N	2	N
ZCCHC24	0.538444101	N	0	N
AL360091.2	0.538847036	N	0	N
EGR3	0.538847036	N	2	N
HMGN3P1	0.538847036	N	0	N
MORN4	0.538847036	N	0	N
MDM4	0.538913791	N	6	N
TIMM21	0.538913791	N	0	N
AC022784.6	0.538919831	N	0	N
AC114490.1	0.538919831	N	0	N
AC138907.9	0.538919831	N	0	N
AL138737.1	0.538919831	N	0	N
EIF4EBP2P3	0.538919831	N	0	N
GLB1	0.538919831	N	2	N
RCBTB2	0.538919831	N	0	N
TYMS	0.538919831	N	3	N
TYSND1	0.538919831	N	0	N
YEATS4	0.538919831	N	0	N
SHISA7	0.538975293	N	0	N
ANKRD66	0.538990533	N	0	N
EVI2A	0.538990533	N	0	N
LRRC26	0.538990533	N	0	N
PAAF1	0.538990533	N	0	N
ST6GALNAC5	0.538990533	N	1	N
AC002504.1	0.539046661	N	0	N
AC009264.1	0.539046661	N	0	N
ANTXR2	0.539046661	N	0	N
PARP1P2	0.539046661	N	0	N
SPDL1	0.539046661	N	0	N
AC084876.2	0.539060241	N	0	N
ACTG1P1	0.539060241	N	0	N
AP001596.1	0.539060241	N	0	N
IDH1	0.539060241	N	12	N
SETMAR	0.539060241	N	0	N
DENND2C	0.539077105	N	0	N
POLG	0.539077105	N	1	N
AC136469.2	0.539437557	N	0	N
PTPRO	0.53971976	N	2	N
TREX1	0.53971976	N	2	N
AL031667.3	0.539956984	N	0	N
CTBP1-AS	0.540206965	N	1	N
KLC3	0.540206965	N	0	N
KRT8P39	0.540206965	N	0	N
USP3	0.540206965	N	1	N
FBXL7	0.540607233	N	1	N
MIR3936HG	0.541084886	N	0	N
C11orf49	0.541111974	N	0	N
CDC25B	0.541111974	N	7	N
CKAP4	0.541111974	N	4	N
DDX20	0.541111974	N	2	N
ERRF1	0.541111974	N	12	N
GNAI1	0.541111974	N	2	N
LINC00485	0.541111974	N	0	N
LINC00707	0.541111974	N	0	N
LYST	0.541111974	N	1	N
MRM2	0.541111974	N	0	N
OFD1P17	0.541111974	N	0	N
STS	0.541111974	N	113	Y
TMEM249	0.541111974	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
TSPAN8	0.541111974	N	17	N
USP38	0.541111974	N	0	N
ZNF280B	0.541111974	N	0	N
TNFRSF1A	0.541122758	N	33	N
AC100871.1	0.541268167	N	0	N
NTRK2	0.541464257	N	14	N
SETD2	0.541464257	N	1	N
ANKRD20A19P	0.541548742	N	0	N
C17orf51	0.541548742	N	0	N
CBFA2T3	0.541548742	N	0	N
CENPC	0.541548742	N	0	N
AL356489.2	0.541675076	N	0	N
AL513548.3	0.541675076	N	0	N
FCF1	0.541675076	N	0	N
HRH1	0.541675076	N	0	N
UBE2J1	0.541675076	N	1	N
AC092881.1	0.541774399	N	0	N
AC104971.2	0.541845467	N	0	N
AL627309.1	0.541845467	N	0	N
DMKN	0.541845467	N	2	N
FGF13	0.541845467	N	3	N
LAMA3	0.541845467	N	3	N
LINC01856	0.541845467	N	0	N
LINC02249	0.541845467	N	0	N
MARVELD1	0.541845467	N	0	N
MBOAT1	0.541845467	N	0	N
SORCS1	0.541911673	N	12	N
TBX2	0.542179512	N	5	N
BBS4	0.542359431	N	4	N
DLC1	0.542359431	N	6	N
ZSCAN31	0.542359431	N	0	N
AC005332.6	0.542401831	N	0	N
NELFB	0.542608647	N	0	N
ZNF354A	0.542617516	N	0	N
CYSLTR2	0.542913992	N	0	N
LSM7	0.542913992	N	0	N
RASSF3	0.542913992	N	0	N
SCART1	0.542913992	N	0	N
SLC26A8	0.542913992	N	0	N
AC034105.3	0.543123871	N	0	N
AP000350.4	0.543123871	N	0	N
CELF2	0.543123871	N	3	N
CEP135	0.543123871	N	0	N
LCMT2	0.543123871	N	0	N
SYS1	0.543123871	N	0	N
LYPLAL1	0.543158119	N	19	N
AC019193.2	0.543375499	N	0	N
AL357054.1	0.543375499	N	0	N
MEST	0.543375499	N	61	N
ZNF667-AS1	0.543375499	N	0	N
CEP41	0.543500608	N	0	N
HAS2-AS1	0.543500608	N	0	N
KLRD1	0.543500608	N	1	N
PELO	0.543500608	N	8	N
TFE3	0.543500608	N	14	N
PALLD	0.543533039	N	0	N
AKAP10	0.543534369	N	0	N
RIOK3	0.54356448	N	1	N
MROH7-TTC4	0.543628132	N	0	N
RBMS3-AS3	0.543628132	N	0	N
AC069281.2	0.543641826	N	0	N
AC138035.1	0.543641826	N	0	N
AL122020.1	0.543641826	N	0	N
AL662800.1	0.543641826	N	0	N
CD300E	0.543641826	N	0	N
CEP131	0.543641826	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
HAND2	0.543641826	N	11	N
MUS81	0.543641826	N	0	N
PDCD2L	0.543641826	N	1	N
AC068025.2	0.543889892	N	0	N
AP003392.6	0.543889892	N	0	N
ARL6IP4	0.543918438	N	0	N
FAM110A	0.544006445	N	1	N
AC098591.1	0.544167726	N	0	N
AC018892.3	0.544216082	N	0	N
TNFRSF18	0.544216082	N	2	N
MEGF10	0.544494681	N	0	N
NOTO	0.544494681	N	74	N
VAPA	0.544589759	N	2	N
AMACR	0.544743566	N	7	N
HAUS6P1	0.544743566	N	0	N
JPH1	0.544743566	N	0	N
TNFRSF21	0.544743566	N	3	N
TRIM9	0.544743566	N	0	N
CLSTN1	0.544786987	N	0	N
NOC2LP1	0.544786987	N	0	N
THY1	0.544825699	N	24	N
ZNF347	0.544825699	N	0	N
MISP	0.54523127	N	0	N
AAK1	0.545490254	N	0	N
AC092104.1	0.545499812	N	0	N
ABCC11	0.545700889	N	0	N
AC084757.1	0.545700889	N	0	N
ANKRD54	0.545700889	N	0	N
CHCHD3	0.545700889	N	3	N
SLC46A1	0.545700889	N	1	N
STAT5A	0.545700889	N	86	N
ZNF658B	0.545700889	N	0	N
ABHD11-AS1	0.545899539	N	0	N
AC008555.2	0.545899539	N	0	N
AC009690.2	0.545899539	N	0	N
AC091167.3	0.545899539	N	0	N
AC110926.1	0.545899539	N	0	N
AC120114.1	0.545899539	N	0	N
AL136164.4	0.545899539	N	0	N
AL928970.1	0.545899539	N	0	N
ATP5F1P6	0.545899539	N	0	N
BCL2L12P1	0.545899539	N	0	N
C9orf3	0.545899539	N	1	N
COPS6	0.545899539	N	0	N
DNAJB14	0.545899539	N	0	N
DOT1L	0.545899539	N	2	N
EEF1DP7	0.545899539	N	0	N
FAM114A2	0.545899539	N	0	N
GDPD1	0.545899539	N	0	N
GOLGA2	0.545899539	N	1	N
IAPP	0.545899539	N	1000	Y
KCNAB3	0.545899539	N	1	N
LINC01191	0.545899539	N	0	N
LINC02519	0.545899539	N	0	N
MORF4L2	0.545899539	N	0	N
NCDN	0.545899539	N	0	N
NUDT10	0.545899539	N	0	N
PAX8-AS1	0.545899539	N	1	N
PRICKLE1	0.545899539	N	0	N
ROR1-AS1	0.545899539	N	0	N
RP3-323A16.1	0.545899539	N	0	N
SLC22A5	0.545899539	N	10	N
THAP7	0.545899539	N	0	N
TRIM71	0.545899539	N	0	N
VAV2	0.545899539	N	7	N
YAP1	0.545899539	N	27	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
ZNF528	0.545899539	N	0	N
ZNF530	0.545899539	N	0	N
AC009118.2	0.545953437	N	0	N
AC010203.1	0.545953437	N	0	N
AC083805.2	0.545953437	N	0	N
AL049874.1	0.545953437	N	0	N
AL773545.3	0.545953437	N	0	N
AL928654.2	0.545953437	N	0	N
DMXL2	0.545953437	N	1	N
LL22NC03-63E9.3	0.545953437	N	0	N
PTPN2P2	0.545953437	N	0	N
TCFL5	0.545953437	N	0	N
BIVM-ERCC5	0.546050147	N	0	N
FAM46A	0.546050147	N	2	N
AL353593.1	0.54619583	N	0	N
IGLV5-52	0.546250416	N	0	N
RRAGC	0.546311501	N	4	N
CCDC96	0.546417637	N	0	N
DOPEY1	0.546417637	N	0	N
LDHD	0.546417637	N	0	N
MFSD14A	0.546417637	N	0	N
NCS1	0.546417637	N	0	N
PCDHGC4	0.546503127	N	0	N
SNAP47	0.546512136	N	2	N
FAM222B	0.546532742	N	0	N
COIL	0.546627476	N	164	Y
HSPD1	0.546627476	N	10	N
C7orf65	0.546726335	N	0	N
SLC35G1	0.546880376	N	0	N
IFI30	0.546889519	N	2	N
TBC1D31	0.546893407	N	0	N
POGK	0.546935509	N	0	N
CDV3P1	0.547214476	N	0	N
TSPAN10	0.547214476	N	0	N
AL355312.1	0.547251536	N	0	N
AMDHD2	0.547251536	N	0	N
ATP6V1H	0.547251536	N	2	N
NPM1P37	0.547251536	N	0	N
COL3A1	0.547376129	N	30	N
DCAF1	0.547376129	N	0	N
SPTA1	0.547376129	N	1	N
ACYP1	0.547434996	N	0	N
AC010287.1	0.547735081	N	0	N
NAP1L1P2	0.547735081	N	0	N
POLHP1	0.547735081	N	0	N
RP11-159G9.5	0.547735081	N	0	N
DHRS4-AS1	0.547877315	N	0	N
LEPROTL1	0.547877315	N	3	N
VSTM4	0.547877315	N	0	N
PABPC5	0.547926175	N	0	N
LRRC40	0.548037022	N	0	N
ARHGAP12	0.548078066	N	0	N
AP001273.1	0.548246094	N	0	N
HDAC3	0.548246094	N	60	N
ORC2	0.548246094	N	0	N
SNRPBP1	0.548246094	N	0	N
WBP1LP2	0.548246094	N	0	N
ADAM29	0.54826141	N	0	N
AP001324.1	0.54826141	N	0	N
DTX1	0.54826141	N	0	N
EPPK1	0.54826141	N	0	N
OSGEPL1	0.54826141	N	0	N
PEX5L	0.54826141	N	0	N
GAPVD1	0.548430946	N	0	N
OR52H2P	0.548948623	N	0	N
AC132192.2	0.549066132	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
IFRD2	0.549066132	N	0	N
LINC02449	0.549066132	N	0	N
MAB21L2	0.549066132	N	0	N
MYO1B	0.549066132	N	2	N
PPIL6	0.549066132	N	0	N
SNHG24	0.549066132	N	0	N
TMEM130	0.549066132	N	0	N
AC106820.2	0.549338975	N	0	N
ARMC1	0.549338975	N	0	N
PSMA4	0.549338975	N	1	N
TM4SF1	0.549338975	N	3	N
PTENP1-AS	0.549646282	N	0	N
IGFBP6	0.549953726	N	85	N
NDUFB9	0.549953726	N	1	N
SPX	0.549953726	N	17	N
TLL1	0.549953726	N	0	N
YTHDF2	0.549953726	N	0	N
ZNF560	0.549953726	N	0	N
SLFNL1	0.55000634	N	0	N
BCAS3	0.550258296	N	0	N
KMT2E-AS1	0.550258296	N	0	N
AC007938.3	0.55029525	N	0	N
AC131280.1	0.55029525	N	0	N
AL136982.1	0.55029525	N	0	N
CBX3	0.55029525	N	0	N
FAM135A	0.55029525	N	0	N
HRAS	0.55029525	N	91	N
KLHL3	0.55029525	N	2	N
LRRC2	0.55029525	N	0	N
MRPS24	0.55029525	N	0	N
PROB1	0.55029525	N	0	N
BCAS2	0.55032371	N	0	N
AC098934.2	0.550372866	N	0	N
ANXA2P3	0.550372866	N	0	N
SLC23A2	0.55070082	N	0	N
ZNF343	0.55070082	N	0	N
CYSLTR1	0.550841341	N	0	N
EMC10	0.550841341	N	1	N
AC002456.1	0.550863294	N	0	N
AC005304.2	0.551250051	N	0	N
AL035411.1	0.551250051	N	0	N
KLF13	0.551250051	N	0	N
AL137222.1	0.551883722	N	0	N
HSPBAP1	0.551883722	N	0	N
TICAM2	0.551896071	N	0	N
PAQR4	0.551916297	N	0	N
PMF1-BGLAP	0.551991822	N	0	N
CTSW	0.55210897	N	0	N
AC097382.1	0.552202327	N	0	N
L3HYPDH	0.552202327	N	0	N
THAP11	0.552202327	N	0	N
AC006960.3	0.552460764	N	0	N
AC009812.4	0.552460764	N	0	N
AC114284.1	0.552460764	N	0	N
AC123769.2	0.552460764	N	0	N
ARMCX5	0.552460764	N	0	N
MECOM	0.552460764	N	1	N
MGME1	0.552460764	N	0	N
RFC4	0.552460764	N	3	N
RHBDD2	0.552460764	N	0	N
UBE2Q2	0.552460764	N	0	N
WDR76	0.552460764	N	1	N
GYS1	0.55263582	N	31	N
LINC02085	0.552759501	N	0	N
AL512590.3	0.552787847	N	0	N
ASS1P10	0.552794965	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
LRRC34P1	0.552794965	N	0	N
RASD1	0.552794965	N	9	N
C5orf38	0.552868376	N	0	N
AP003499.1	0.552992307	N	0	N
MRT04	0.552992307	N	0	N
YBX3	0.552992307	N	1	N
AL390964.1	0.55323905	N	0	N
PRMT1P1	0.55323905	N	0	N
LINC01592	0.553348573	N	0	N
AC010329.2	0.553389308	N	0	N
BICRAL	0.553389308	N	0	N
GDPGP1	0.553389308	N	0	N
GNAO1	0.553389308	N	2	N
PRR22	0.553389308	N	0	N
ZNF197	0.553389308	N	0	N
C11orf84	0.553407925	N	0	N
EXOSC6	0.553407925	N	0	N
FDPSP1	0.553407925	N	0	N
NUTF2P7	0.553407925	N	0	N
RRP7BP	0.553407925	N	0	N
TFDP1	0.553510099	N	2	N
DCTN5	0.553573213	N	0	N
AC016831.5	0.553665435	N	0	N
FAM198B	0.553747435	N	0	N
TMEM79	0.553747435	N	1	N
BRSK1	0.553802488	N	1	N
RN7SL391P	0.55380808	N	0	N
VEZF1	0.553910691	N	6	N
GYG1P1	0.553956768	N	0	N
ORMDL3	0.553956768	N	2	N
PLEKHG7	0.553956768	N	0	N
TSHZ3	0.554000149	N	1	N
C1orf43	0.554187605	N	0	N
CBX3P1	0.554228852	N	0	N
CDKN2A	0.554228852	N	148	Y
IL11RA	0.554877773	N	3	N
C3orf70	0.555014571	N	0	N
CACFD1	0.555014571	N	0	N
EHBP1L1	0.555014571	N	0	N
MDFIC	0.555014571	N	0	N
NCBP2-AS2	0.555014571	N	0	N
TXLNGY	0.555014571	N	0	N
CDT1	0.555364527	N	0	N
ACAD9	0.555405305	N	0	N
ELOCP33	0.555405305	N	0	N
GS1-124K5.12	0.555405305	N	0	N
MXRA7	0.555405305	N	0	N
RPS27A	0.555405305	N	0	N
TPM1	0.555405305	N	3	N
AC022467.1	0.555427513	N	0	N
AC241585.1	0.555427513	N	0	N
AL078587.1	0.555427513	N	0	N
AL669818.1	0.555427513	N	0	N
PARVG	0.555427513	N	0	N
SLC25A21	0.555427513	N	0	N
AC024405.1	0.555526957	N	0	N
AC090948.2	0.555526957	N	0	N
ADAMTS12	0.555526957	N	0	N
KLK3	0.555526957	N	7	N
LINC00094	0.555526957	N	0	N
EXOSC9	0.555636895	N	0	N
AC087163.3	0.555717875	N	0	N
AL050343.1	0.555717875	N	0	N
C19orf35	0.555717875	N	0	N
CCDC152	0.555717875	N	0	N
ENSAP2	0.555717875	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
GRAMD4	0.555717875	N	0	N
INE1	0.555717875	N	0	N
PIGS	0.555717875	N	1000	Y
PLBD2	0.555717875	N	0	N
RALY	0.555717875	N	2	N
STX1A	0.555717875	N	52	N
DDT	0.555857142	N	58	N
RPS20P20	0.556139853	N	0	N
NUDT5	0.556149605	N	0	N
SLC40A1	0.5564116	N	4	N
ZNF887P	0.5564116	N	0	N
AC009084.2	0.556610502	N	0	N
AL158801.4	0.556662697	N	0	N
AC016065.2	0.556716355	N	0	N
AP006222.1	0.556716355	N	0	N
MAMDC4	0.556716355	N	0	N
NUCB1	0.556716355	N	40	N
FAHD2CP	0.556717208	N	0	N
LPIN2	0.556717208	N	11	N
AC009119.2	0.556761223	N	0	N
AP002360.1	0.556761223	N	0	N
C16orf52	0.556761223	N	0	N
CKMT1A	0.556761223	N	0	N
PARP14	0.556761223	N	0	N
RAB40AL	0.556761223	N	0	N
RNF219	0.556761223	N	0	N
SNX2	0.556761223	N	1	N
TGIF2P1	0.556761223	N	0	N
AC016549.1	0.556800299	N	0	N
AC023632.2	0.556800299	N	0	N
AC093671.1	0.556800299	N	0	N
AKAP6	0.556800299	N	1	N
AL391416.1	0.556800299	N	0	N
ARMC10P1	0.556800299	N	0	N
CAMK2G	0.556800299	N	9	N
CASC4P1	0.556800299	N	0	N
CCDC171	0.556800299	N	0	N
CDC23	0.556800299	N	0	N
EGFL7	0.556800299	N	1	N
HLA-DQA1	0.556800299	N	165	Y
KATNBL1P4	0.556800299	N	0	N
KIAA1191	0.556800299	N	0	N
LOXL2	0.556800299	N	3	N
PRDM7	0.556800299	N	0	N
SLTM	0.556800299	N	0	N
STARD5	0.556800299	N	0	N
UCKL1-AS1	0.556800299	N	0	N
ZNF138	0.556800299	N	0	N
ZNF485	0.556800299	N	0	N
TDRD7	0.556958918	N	0	N
ELOCP19	0.556988502	N	0	N
GRIK3	0.556988502	N	0	N
RAET1G	0.556988502	N	0	N
EML6	0.55704219	N	0	N
TTC6	0.55704219	N	0	N
HOXA3	0.557244112	N	2	N
EIF31	0.558359895	N	1	N
GSS	0.558582631	N	15	N
MCAT	0.558582631	N	8	N
AC006965.1	0.558654844	N	0	N
RRP1	0.558755655	N	0	N
SLC6A15	0.558755655	N	2	N
AC016773.1	0.558835828	N	0	N
AC124947.2	0.558835828	N	0	N
UPF3AP2	0.558835828	N	0	N
AC003075.1	0.558847128	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC112198.2	0.558847128	N	0	N
NMNAT3	0.558847128	N	2	N
SMARCA1	0.558847128	N	1	N
AC104619.3	0.55893811	N	0	N
AL359183.1	0.55893811	N	0	N
SNX29P2	0.55893811	N	0	N
AC005035.1	0.558986516	N	0	N
AC090607.2	0.558986516	N	0	N
AP005264.2	0.558986516	N	0	N
GNB1L	0.558986516	N	0	N
WISP1	0.558986516	N	27	N
LINC00543	0.559384854	N	0	N
PLN	0.559384854	N	29	N
AL121832.2	0.559829081	N	0	N
OR7A19P	0.559897	N	0	N
P4HA1	0.559897	N	4	N
ARL6IP5	0.559948517	N	2	N
HECW2	0.559948517	N	0	N
AC012186.3	0.560253835	N	0	N
AC098847.2	0.560253835	N	0	N
AL121839.2	0.560253835	N	0	N
AL357140.2	0.560253835	N	0	N
BMP2K	0.560253835	N	1	N
CDCA7L	0.560253835	N	0	N
GBP1	0.560253835	N	1	N
IFIH1	0.560253835	N	23	N
PWWP2A	0.560253835	N	0	N
FTO-IT1	0.56035255	N	0	N
AC016542.2	0.560407283	N	0	N
MBNL1	0.560407283	N	21	N
NPIP4	0.560407283	N	0	N
C20orf204	0.560415342	N	0	N
AC003685.2	0.560430431	N	0	N
AC104260.2	0.560430431	N	0	N
AC145676.1	0.560430431	N	0	N
AF111169.1	0.560430431	N	0	N
C22orf46	0.560430431	N	0	N
CBX3P2	0.560430431	N	0	N
CHTF8	0.560430431	N	0	N
E2F1	0.560430431	N	83	N
ESPN	0.560430431	N	0	N
GPR3	0.560430431	N	1	N
HS1BP3	0.560430431	N	0	N
HSD17B1	0.560430431	N	9	N
NPRL2	0.560430431	N	0	N
NRDC	0.560430431	N	1	N
PGBD1	0.560430431	N	0	N
SLC26A11	0.560430431	N	0	N
SNAP29	0.560430431	N	4	N
TM4SF18	0.560430431	N	0	N
DNLZ	0.560521703	N	0	N
F11R	0.560785414	N	4	N
KCNK2	0.560785414	N	1	N
PTGER2	0.560785414	N	5	N
TOB1	0.560785414	N	1	N
VWA3B	0.560785414	N	0	N
AL109811.2	0.560854902	N	0	N
PAQR6	0.560854902	N	0	N
AC027688.2	0.561005577	N	0	N
GGCX	0.561005577	N	3	N
VRK3	0.561191464	N	0	N
GON4L	0.561322546	N	0	N
FUBP3	0.561878035	N	1	N
FAM192A	0.56196045	N	0	N
GSPT2	0.56196045	N	0	N
ISCA1	0.561963552	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
GLO1	0.562326455	N	29	N
EIF2B5	0.562476087	N	0	N
EEF1A1P22	0.562851579	N	0	N
GDF7	0.562851579	N	0	N
GS1-279B7.1	0.562851579	N	0	N
KARS	0.562851579	N	15	N
LINC02076	0.562851579	N	0	N
MSH4	0.562851579	N	1	N
MYRF	0.562851579	N	1	N
PPP1R35	0.562851579	N	0	N
YJEFN3	0.562851579	N	0	N
UBAP2L	0.563397499	N	0	N
ANKRD63	0.563425258	N	0	N
CD46	0.563425258	N	36	N
RIPK2	0.563425258	N	12	N
RTEL1P1	0.563425258	N	0	N
EXT1	0.563524927	N	2	N
KIAA1586	0.563524927	N	0	N
PROX2	0.563524927	N	0	N
SNHG15	0.563524927	N	0	N
ELK2BP	0.563528821	N	0	N
C2orf27A	0.563555982	N	0	N
AC008840.1	0.563766088	N	0	N
AC008870.2	0.563766088	N	0	N
AL450487.1	0.563766088	N	0	N
DUSP8P5	0.563766088	N	0	N
FAT1	0.563766088	N	8	N
ISPD	0.563766088	N	0	N
LINC01016	0.563766088	N	0	N
CNIH2	0.56385387	N	0	N
POLD2P1	0.56385387	N	0	N
ZHX3	0.563912207	N	2	N
FNDC5	0.564005799	N	191	Y
UNC5C	0.564020501	N	5	N
AC011477.4	0.564085474	N	0	N
CRISPLD2	0.564085474	N	2	N
EPB41L1	0.564085474	N	0	N
GPR35	0.564085474	N	2	N
HIST1H4J	0.564085474	N	0	N
PSMD1	0.564085474	N	0	N
TMEM150C	0.564085474	N	0	N
CGB7	0.564355802	N	0	N
CTBP2P6	0.564356662	N	0	N
AL022341.1	0.564531274	N	0	N
ABCD2	0.564588134	N	5	N
AIFM1	0.564588134	N	4	N
AKAP1	0.564588134	N	3	N
CYC1	0.564588134	N	8	N
SEN3-EIF4A1	0.564588134	N	0	N
WASHC2C	0.564588134	N	0	N
WDR53	0.564588134	N	0	N
AL445222.1	0.564670414	N	0	N
ST8SIA4	0.564670414	N	0	N
MIR155HG	0.564791586	N	0	N
SMC6	0.56499196	N	2	N
NDUFAF6	0.565093285	N	0	N
AC112484.4	0.565144176	N	0	N
LINC01102	0.565599874	N	0	N
TRIM11	0.565599874	N	0	N
AC091805.1	0.565731769	N	0	N
ITGA10	0.565756181	N	0	N
AC026316.3	0.565769705	N	0	N
ACBD3	0.565777929	N	1	N
MZT2A	0.565777929	N	0	N
CNN2	0.565859947	N	1	N
AGMO	0.565910887	N	2	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AL512504.2	0.565910887	N	0	N
CSPG4	0.565910887	N	4	N
MRPS9	0.565910887	N	0	N
TARSL2	0.565910887	N	0	N
INTS13	0.565952692	N	0	N
PANK3	0.565952692	N	0	N
HOMEZ	0.566255225	N	0	N
NUP43	0.566255225	N	0	N
RPS23P8	0.566255225	N	0	N
AL354732.1	0.566551956	N	0	N
COA7	0.566657443	N	0	N
AC024940.5	0.566904837	N	0	N
AC041040.2	0.566904837	N	0	N
LIPC	0.566904837	N	29	N
Z82206.1	0.566904837	N	0	N
FAM160B1	0.566921698	N	0	N
NIP7	0.566921698	N	0	N
AC010328.2	0.56722313	N	0	N
AC092106.2	0.56722313	N	0	N
AC136475.4	0.56722313	N	0	N
LYSMD4	0.56722313	N	0	N
TTC31	0.56722313	N	0	N
ZNF490	0.56722313	N	0	N
AC027575.2	0.567352377	N	0	N
DNASE1L2	0.567352377	N	0	N
HTR7P1	0.567352377	N	0	N
AC108734.3	0.567376914	N	0	N
AC138907.8	0.567376914	N	0	N
AL589993.1	0.567376914	N	0	N
BCL2L11	0.567376914	N	45	N
CCDC168	0.567376914	N	0	N
CYP2R1	0.567376914	N	11	N
FLJ31356	0.567376914	N	0	N
HLA-G	0.567376914	N	18	N
SET	0.567376914	N	1000	Y
STX7	0.567493381	N	0	N
AL096828.2	0.567650517	N	0	N
PABPN1	0.567650517	N	1	N
AL080276.2	0.567772473	N	0	N
AC245060.6	0.567791699	N	0	N
GPATCH3	0.567791699	N	0	N
MGAT4EP	0.567791699	N	0	N
NOL11	0.567791699	N	0	N
OFD1	0.567791699	N	1	N
RN7SL375P	0.567791699	N	0	N
ZNF211	0.567791699	N	0	N
ZNF32	0.567791699	N	0	N
AC023154.1	0.567854168	N	0	N
SLC25A12	0.568133238	N	6	N
LINC00954	0.568222445	N	0	N
AC007389.3	0.568284607	N	0	N
PTCD2P1	0.568295632	N	0	N
AC004585.1	0.568483018	N	0	N
AC087481.3	0.568483018	N	0	N
NR2E3	0.568483018	N	2	N
LGALS3BP	0.568571322	N	7	N
NAGK	0.568571322	N	1	N
NT5DC2	0.568783035	N	0	N
HPS4	0.568918181	N	1	N
NDUFB6	0.568918181	N	9	N
SLC44A3-AS1	0.568918181	N	0	N
MICAL2	0.569024629	N	0	N
AC009120.2	0.569057913	N	0	N
AC093155.2	0.569057913	N	0	N
AC253536.6	0.569057913	N	0	N
AKAP3	0.569057913	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
ARRB2	0.569057913	N	17	N
ARRDC1-AS1	0.569057913	N	0	N
CCBE1	0.569057913	N	1	N
CLN3	0.569057913	N	4	N
CPZ	0.569057913	N	16	N
CTC-786C10.1	0.569057913	N	0	N
GADD45GIP1	0.569057913	N	1	N
GM2AP1	0.569057913	N	0	N
LINC01268	0.569057913	N	0	N
LTBR	0.569057913	N	13	N
NCOA7	0.569057913	N	0	N
NR1I3	0.569057913	N	8	N
OXNAD1	0.569057913	N	0	N
PWAR1	0.569057913	N	0	N
RN7SL809P	0.569057913	N	0	N
TRIM69	0.569057913	N	1	N
TXNDC5	0.569057913	N	4	N
ZNF264	0.569057913	N	0	N
ZNF296	0.569057913	N	0	N
ZNF583	0.569057913	N	0	N
TNKS1BP1	0.569065272	N	1	N
ZNF608	0.569065272	N	1	N
ADAMTS9-AS2	0.569214479	N	0	N
AC005540.1	0.569498921	N	0	N
AC011379.2	0.569498921	N	0	N
AC024568.1	0.569498921	N	0	N
AC145285.7	0.569498921	N	0	N
CCDC74B	0.569498921	N	0	N
EFTUD2	0.569498921	N	0	N
GRIN2B	0.569498921	N	3	N
MRPL48P1	0.569498921	N	0	N
NBR1	0.569498921	N	3	N
DNTTIP2	0.569632422	N	0	N
EXO1	0.569632422	N	1	N
FTCD	0.569632422	N	0	N
SMO	0.569632422	N	33	N
AL109766.1	0.569717497	N	0	N
AP000974.1	0.569717497	N	0	N
AC009148.1	0.569793266	N	0	N
AC011477.1	0.569793266	N	0	N
AC011978.1	0.569793266	N	0	N
AC073896.1	0.569793266	N	0	N
AC091799.1	0.569793266	N	0	N
AC114980.1	0.569793266	N	0	N
AC138150.2	0.569793266	N	0	N
APIP	0.569793266	N	0	N
BICD1	0.569793266	N	0	N
BRCC3P1	0.569793266	N	0	N
CARMIL1	0.569793266	N	0	N
CEBPB	0.569793266	N	37	N
COL9A1	0.569793266	N	3	N
CTD-3138B18.4	0.569793266	N	0	N
EFL1	0.569793266	N	0	N
FSIP2	0.569793266	N	0	N
GSTM3	0.569793266	N	4	N
KCNJ13	0.569793266	N	1	N
NLE1	0.569793266	N	2	N
ODC1	0.569793266	N	2	N
PHF2	0.569793266	N	1	N
PUSL1	0.569793266	N	0	N
PVR	0.569793266	N	27	N
RNF217-AS1	0.569793266	N	0	N
SCFD1	0.569793266	N	0	N
SKA2P1	0.569793266	N	0	N
TSEN54	0.569793266	N	0	N
UBE3A	0.569793266	N	5	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
WNT6	0.569793266	N	4	N
WWC3	0.569793266	N	0	N
ZHX1	0.569793266	N	0	N
AL136295.7	0.569994059	N	0	N
GPX8	0.569994059	N	5	N
AC093752.1	0.570130227	N	0	N
AL158163.1	0.570130227	N	0	N
COL4A5	0.570130227	N	2	N
COMP	0.570130227	N	1000	Y
DOCK6	0.570130227	N	0	N
FZD9	0.570130227	N	2	N
HSD17B6	0.570130227	N	4	N
IMPDH1P10	0.570130227	N	0	N
LDHB	0.570130227	N	7	N
MIR762HG	0.570130227	N	0	N
SEC61A1	0.570130227	N	3	N
SNORD15B	0.570130227	N	0	N
UTP18	0.570130227	N	0	N
ZNF189	0.570130227	N	0	N
ZNF790	0.570130227	N	0	N
AL590705.1	0.570220934	N	0	N
FAM210B	0.570220934	N	0	N
MPPE1P1	0.570220934	N	0	N
ATP5J2P5	0.570232264	N	0	N
SLC31A1P1	0.570232264	N	0	N
FBXO42	0.570259586	N	0	N
PTPRH	0.570304104	N	1	N
ZNF425	0.570304104	N	0	N
AC232271.1	0.570783413	N	0	N
NLRP14	0.57079723	N	0	N
AC024940.3	0.570808599	N	0	N
ADIRF-AS1	0.570808599	N	0	N
SPEF1	0.570808599	N	0	N
TNP2	0.570808599	N	1	N
ATP1A1-AS1	0.570866612	N	0	N
CTSZ	0.570866612	N	1	N
MTAPP2	0.570866612	N	0	N
AUNIP	0.570942294	N	0	N
GLUD2	0.570942294	N	2	N
AC093519.1	0.570945119	N	0	N
AL683842.1	0.570945119	N	0	N
COG2	0.570945119	N	0	N
OR7M1P	0.570945119	N	0	N
PASK	0.571150859	N	36	N
AC244196.3	0.571220492	N	0	N
HTATSF1	0.571469229	N	1	N
LINC01483	0.571469229	N	0	N
SLF1	0.571469229	N	0	N
ZNF692	0.571469229	N	1	N
PRELID3BP1	0.571592962	N	0	N
AP004242.1	0.571849121	N	0	N
SARNP	0.572274531	N	0	N
BLOC1S1	0.57229863	N	0	N
LEPR	0.57229863	N	364	Y
RAP2A	0.57229863	N	1	N
RNF168	0.57229863	N	0	N
SLC26A2	0.57229863	N	1	N
SS18L2	0.57229863	N	0	N
ZNF542P	0.57229863	N	0	N
FAM182B	0.572529983	N	0	N
IGFBP7-AS1	0.572563997	N	0	N
NNT-AS1	0.572563997	N	0	N
PRODH	0.572563997	N	2	N
LINC01149	0.572663123	N	0	N
PTGIR	0.572663123	N	2	N
LINC01578	0.572879944	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
MESP1	0.572937925	N	5	N
PSMD4	0.572937925	N	1	N
STK38L	0.573002322	N	1	N
SAP30BP	0.573428852	N	0	N
AC022558.2	0.573528294	N	0	N
ERG28	0.573744322	N	0	N
CTHRC1	0.573748541	N	3	N
PLPP2	0.573748541	N	1	N
TET1	0.573748541	N	15	N
AC006195.1	0.573911392	N	0	N
AC019097.1	0.573911392	N	0	N
BTN3A1	0.573911392	N	0	N
CD248	0.573911392	N	2	N
CLU1	0.573911392	N	0	N
EEF1E1P1	0.573911392	N	0	N
POLH	0.573911392	N	0	N
POT1	0.573911392	N	2	N
TMCC2	0.573911392	N	0	N
VPS29	0.573911392	N	1	N
EYS	0.574214872	N	8	N
ZNF286B	0.574214872	N	0	N
PDCD5P2	0.574344115	N	0	N
AC034198.2	0.574355975	N	0	N
TPM3P9	0.574355975	N	0	N
HIST1H2BM	0.574433816	N	0	N
PDGFRL	0.574474699	N	1	N
ARL6IP6	0.574638352	N	0	N
CCDC74A	0.574638352	N	0	N
MRPL37	0.574825902	N	0	N
SLA	0.574825902	N	12	N
MAN1A1	0.574913036	N	1	N
AC017002.1	0.574926714	N	0	N
DECR2	0.574926714	N	0	N
GAR1	0.574926714	N	0	N
MPP6	0.574926714	N	0	N
RBM12B	0.574926714	N	0	N
SLC10A5	0.574926714	N	0	N
BRCC3	0.575195725	N	0	N
LINC01415	0.575264646	N	0	N
GOLGA2P10	0.575394694	N	0	N
HIST1H2BI	0.575394694	N	0	N
QRSLIP3	0.575394694	N	0	N
RPLP1	0.575394694	N	1	N
KLHL12	0.575606631	N	0	N
VSTM2A	0.575606631	N	0	N
FGF2	0.575620709	N	1000	Y
Z82217.1	0.575649372	N	0	N
FAM53C	0.576096512	N	0	N
AL157384.1	0.576133827	N	0	N
BARX2	0.576138391	N	0	N
TMSB4XP2	0.576138391	N	0	N
NEDD1	0.576222417	N	0	N
THRAP3	0.576222417	N	2	N
AC079416.1	0.576249308	N	0	N
AC128685.1	0.576249308	N	0	N
COL9A2	0.576249308	N	1	N
HCN4	0.576249308	N	9	N
HNRNPA3P1	0.576249308	N	0	N
AC023043.1	0.576266848	N	0	N
AL096870.1	0.576266848	N	0	N
AP001636.2	0.576266848	N	0	N
ATF7	0.576266848	N	2	N
FAM166A	0.576266848	N	0	N
GDA	0.576266848	N	65	N
LINC00343	0.576266848	N	0	N
TRMT10A	0.576266848	N	5	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
ZNF674-AS1	0.576266848	N	0	N
RAB23	0.576325827	N	1	N
SH3KBP1	0.576339494	N	3	N
CALN1	0.576411047	N	0	N
CRYGS	0.576411047	N	0	N
HDX	0.576411047	N	19	N
WDTC1	0.576411047	N	2	N
AC087457.1	0.576421264	N	0	N
AL035665.1	0.576507914	N	0	N
SYN2	0.576580341	N	3	N
ZMYND12	0.576647232	N	0	N
HHIP-AS1	0.576686345	N	0	N
HIST1H2BH	0.576686345	N	0	N
LRRC70	0.576686345	N	0	N
WDR19	0.576686345	N	0	N
AC124067.2	0.576713663	N	0	N
AC132938.3	0.576713663	N	0	N
AIPL1	0.576713663	N	1	N
EFEMP1	0.576778353	N	6	N
CNN2P1	0.576830965	N	0	N
HNRNPA1L2	0.576830965	N	0	N
TMEM184B	0.576830965	N	0	N
TRGV9	0.576830965	N	0	N
AC022929.2	0.576958298	N	0	N
ELOA3	0.576958298	N	0	N
AC025031.5	0.577069475	N	0	N
AL031775.1	0.577147654	N	0	N
BCLAF3	0.577147654	N	0	N
MRPL40	0.577147654	N	0	N
RFLNA	0.577147654	N	0	N
MBLAC2	0.577181685	N	0	N
PPAN	0.577181685	N	0	N
PRR5	0.577181685	N	2	N
SPAG4	0.577181685	N	0	N
BLACE	0.577244605	N	0	N
C18orf8	0.577244605	N	0	N
EXOSC3P2	0.577244605	N	0	N
SLC35A4	0.577303006	N	0	N
UBE2Z	0.577419265	N	0	N
AC012454.1	0.57746021	N	0	N
AC131254.1	0.577545978	N	0	N
ANKRD28	0.577545978	N	1	N
ESRRG	0.577545978	N	13	N
GPR108	0.577545978	N	0	N
ID1	0.577545978	N	39	N
NME1	0.577545978	N	7	N
RAD51D	0.577545978	N	0	N
STAMBP	0.577545978	N	1	N
TRO	0.577545978	N	34	N
AC092393.1	0.577617112	N	0	N
WDR45BP1	0.577886458	N	0	N
MRPL12	0.578023233	N	0	N
AC009275.1	0.578131821	N	0	N
AC135586.2	0.578131821	N	0	N
AKAP13	0.578131821	N	0	N
DZIP1L	0.578131821	N	0	N
GVQW2	0.578131821	N	0	N
NOTCH3	0.578131821	N	10	N
PFN1P9	0.578131821	N	0	N
SYNRG	0.578131821	N	0	N
AC074032.1	0.578438411	N	0	N
AC133550.2	0.578438411	N	0	N
COA5	0.578438411	N	0	N
LYNX1	0.578438411	N	0	N
RPS20P14	0.578438411	N	0	N
SSNA1	0.578438411	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
ZC3H6	0.578438411	N	0	N
FAM192BP	0.578440217	N	0	N
ERBB2	0.578518893	N	398	Y
DDX59	0.578629452	N	0	N
PANK2	0.578629452	N	1	N
AC104407.1	0.57863492	N	0	N
PCDHGA11	0.578642017	N	0	N
ATP8A2	0.578699721	N	0	N
HBD	0.578699721	N	29	N
HIST1H3J	0.578699721	N	0	N
COLCA1	0.578851122	N	0	N
LRRC3	0.578851122	N	0	N
NAPG	0.578888552	N	0	N
TP53BP2	0.579147335	N	1	N
TP11P2	0.579355134	N	0	N
AC026979.1	0.579731616	N	0	N
AC060766.4	0.579731616	N	0	N
ACTR3C	0.579731616	N	0	N
CRIP1P4	0.579731616	N	0	N
TBC1D24	0.579731616	N	0	N
AKR1B1P2	0.579919689	N	0	N
TMED7	0.579919689	N	0	N
AC098487.1	0.580078814	N	0	N
AL513534.1	0.580078814	N	0	N
CDKN2AIP	0.580078814	N	0	N
DCLRE1A	0.580078814	N	0	N
ENO1P3	0.580078814	N	0	N
MAMDC2	0.580078814	N	0	N
SLC9A7P1	0.580078814	N	0	N
ZEB1-AS1	0.580078814	N	0	N
AC004130.1	0.580186687	N	0	N
AC137056.2	0.580186687	N	0	N
AL512306.1	0.580186687	N	0	N
BRD1	0.580186687	N	1	N
CCDC136	0.580186687	N	0	N
CLEC9A	0.580186687	N	0	N
DPF1	0.580186687	N	1	N
FSTL5	0.580186687	N	0	N
GAPDHP72	0.580186687	N	0	N
PPIE	0.580186687	N	1	N
TCTN2	0.580186687	N	0	N
C16orf74	0.580227421	N	0	N
DDX17	0.580227421	N	1	N
INTS6	0.580227421	N	3	N
LAMA2	0.580227421	N	7	N
UMAD1	0.580227421	N	0	N
ZDHHC4	0.580227421	N	0	N
FABP5	0.580449948	N	94	N
MRPL49	0.580449948	N	0	N
AL355987.4	0.580474474	N	0	N
AC008878.3	0.580484135	N	0	N
AC017099.1	0.580484135	N	0	N
AC079193.2	0.580484135	N	0	N
IMMP1L	0.580484135	N	1	N
TMF1P1	0.580484135	N	0	N
AFG1L	0.580519228	N	0	N
CD4	0.580519228	N	1000	Y
EID2B	0.580519228	N	0	N
LSM2	0.580519228	N	1	N
SVIL-AS1	0.580519228	N	0	N
UCKL1	0.580519228	N	0	N
PSMG3	0.581014864	N	0	N
ZNF571-AS1	0.581078768	N	0	N
AC019205.2	0.581274716	N	0	N
C14orf28	0.581274716	N	0	N
MRPS16	0.581274716	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
ATP1A2	0.581459454	N	8	N
AC244093.1	0.581519535	N	0	N
AL079343.1	0.581519535	N	0	N
DPP10	0.581519535	N	1	N
GRHL1	0.581519535	N	0	N
Metazoa_SRP	0.581519535	N	0	N
NXF1	0.581519535	N	0	N
UBL4A	0.581519535	N	2	N
AC020763.4	0.581756809	N	0	N
DEX1	0.581756809	N	1	N
HLA-DMA	0.581756809	N	5	N
AL442128.2	0.582102132	N	0	N
CIR1P1	0.582161489	N	0	N
NBPF1	0.582161489	N	0	N
PTGES3L-AARSD1	0.582187286	N	0	N
ECEL1	0.58226852	N	0	N
NEFH	0.582318433	N	0	N
AC009414.2	0.582580915	N	0	N
AC108471.2	0.582580915	N	0	N
ADCK1	0.582580915	N	0	N
CA11	0.582580915	N	0	N
CDK5P1	0.582580915	N	0	N
GSG1	0.582580915	N	0	N
IBA57	0.582580915	N	0	N
LRRC8D	0.582580915	N	1	N
MORC2	0.582580915	N	0	N
PSMD6	0.582580915	N	3	N
RAB9B	0.582580915	N	0	N
SAXO2	0.582580915	N	0	N
TBRG4	0.582580915	N	0	N
TMEM62	0.582580915	N	0	N
VEGFA	0.582580915	N	314	Y
ZNF10	0.582580915	N	0	N
ZNF771	0.582580915	N	1	N
AADAT	0.582622446	N	1	N
AC005358.2	0.582622446	N	0	N
AVIL	0.582622446	N	16	N
DNAJA1	0.582622446	N	1	N
LINC01358	0.582622446	N	0	N
AC026271.1	0.582732726	N	0	N
IMMTP1	0.582732726	N	0	N
HIST1H1E	0.58292178	N	0	N
PCLO	0.583205698	N	6	N
IARS	0.583449443	N	2	N
DEPDC4	0.583464118	N	0	N
ZNF852	0.583490457	N	0	N
BEGAIN	0.583655435	N	0	N
HSPA8P9	0.583812264	N	0	N
LRP1B	0.583812264	N	6	N
AL031666.2	0.583861394	N	0	N
AC090771.1	0.583873295	N	0	N
AL022393.1	0.583873295	N	0	N
AP5M1	0.583873295	N	0	N
CCDC142	0.583873295	N	0	N
FAM162A	0.583873295	N	0	N
GOLGA8M	0.583873295	N	0	N
L1CAM	0.583873295	N	27	N
MAP2K5	0.583873295	N	5	N
RNF148	0.583873295	N	0	N
TMEM192	0.583873295	N	0	N
UBE3AP2	0.583873295	N	0	N
POLE	0.584175894	N	357	Y
AC004224.1	0.584182382	N	0	N
AC092378.1	0.584182382	N	0	N
AL450309.1	0.584182382	N	0	N
ASNSP1	0.584182382	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
BAG6	0.584182382	N	2	N
LINC00240	0.584182382	N	0	N
LINC01515	0.584182382	N	0	N
LMO7	0.584182382	N	0	N
MESTP4	0.584182382	N	0	N
MT1A	0.584182382	N	5	N
NMNAT1P1	0.584182382	N	0	N
NR2C2AP	0.584182382	N	0	N
OLIG1	0.584182382	N	4	N
PACSIN1	0.584182382	N	0	N
PSG7	0.584182382	N	0	N
RAB42	0.584182382	N	1	N
TAS2R50	0.584182382	N	0	N
TFPT	0.584182382	N	1	N
USP40	0.584182382	N	0	N
AC134050.1	0.584196252	N	0	N
AC005906.1	0.584256117	N	0	N
AC092905.1	0.584277023	N	0	N
AC007823.1	0.584585457	N	0	N
AKR7L	0.584585457	N	0	N
BRD7P5	0.584585457	N	0	N
DECR1	0.584585457	N	1	N
PACS1	0.584585457	N	0	N
RBM4B	0.584585457	N	0	N
SPATC1L	0.584585457	N	0	N
VCP	0.584585457	N	15	N
AC009127.3	0.584782632	N	0	N
DCLK3	0.584782632	N	1	N
TRAP1	0.584782632	N	1	N
ALDH3A2	0.584894906	N	1	N
TMEM44-AS1	0.584937418	N	0	N
BRPF1	0.585137363	N	0	N
GLCE	0.585137363	N	0	N
STARD10	0.585137363	N	1	N
TSPAN33	0.585258336	N	1	N
UPRT	0.585258336	N	0	N
CREB3L2	0.585287541	N	0	N
SERPIND1	0.585287541	N	0	N
AC073585.1	0.585317185	N	0	N
INIP	0.585317185	N	0	N
CIQL2	0.585533525	N	0	N
CDC14A	0.585533525	N	2	N
LINC01238	0.585533525	N	0	N
HSP90AA2P	0.585554001	N	0	N
LINC00299	0.585560225	N	0	N
NDUFS3	0.585560225	N	5	N
SNORA54	0.585560225	N	0	N
TTC21B	0.585560225	N	0	N
BGN	0.585564038	N	14	N
AL137802.2	0.585610582	N	0	N
RALBP1	0.585610582	N	16	N
RPL34	0.585610582	N	0	N
TK2	0.585610582	N	0	N
AL445228.2	0.585761877	N	0	N
ASB9P1	0.585859077	N	0	N
CDK5RAP2	0.585917276	N	0	N
AC007336.3	0.586149006	N	0	N
ASB8	0.586149006	N	0	N
CAPNS2	0.586149006	N	0	N
CORO2B	0.586149006	N	0	N
RASGRF2	0.586149006	N	0	N
ZNF547	0.586149006	N	0	N
ERFE	0.586640494	N	1	N
AC010319.3	0.586730129	N	0	N
PBX1	0.586730129	N	18	N
AC006509.1	0.586951727	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
LDLRAD4	0.586972334	N	0	N
ABCF2P1	0.587098562	N	0	N
AC011481.3	0.587119517	N	0	N
AC012358.3	0.587119517	N	0	N
AEBP2	0.587119517	N	2	N
AIMP1	0.587119517	N	0	N
AL596094.1	0.587119517	N	0	N
ARHGAP35	0.587119517	N	7	N
CFD	0.587119517	N	15	N
CHST9	0.587119517	N	0	N
CLMAT3	0.587119517	N	0	N
GOLGA1	0.587119517	N	0	N
IGSF9B	0.587119517	N	0	N
KLHDC9	0.587119517	N	0	N
LYPD6B	0.587119517	N	0	N
MAPT	0.587119517	N	53	N
NBR2	0.587119517	N	1	N
NFKBIB	0.587119517	N	0	N
PTPRA	0.587119517	N	34	N
RASGRP1	0.587119517	N	5	N
RNF7	0.587119517	N	0	N
SLC6A11	0.587119517	N	0	N
SOX11	0.587119517	N	8	N
SUPT6H	0.587119517	N	1	N
TCTN3	0.587119517	N	0	N
TERF1P4	0.587119517	N	0	N
WARS2	0.587119517	N	3	N
STEAP1B	0.587226295	N	0	N
AC090686.1	0.587269778	N	0	N
PPEF2	0.587269778	N	0	N
PRSS1	0.587269778	N	8	N
BYSL	0.58740245	N	1	N
CEND1	0.58740245	N	0	N
POLR2C	0.58740245	N	1	N
SPON1-AS1	0.58740245	N	0	N
AL357075.1	0.587514528	N	0	N
AC027801.3	0.58783033	N	0	N
RIOX1	0.58783033	N	0	N
AC002044.3	0.588122665	N	0	N
LPIN1	0.588122665	N	67	N
AC022915.2	0.588130707	N	0	N
AC093297.3	0.588130707	N	0	N
ATP11B	0.588130707	N	0	N
TDRD12	0.588130707	N	0	N
COX8A	0.588253835	N	1	N
POC1B	0.588382594	N	0	N
ARID3B	0.588419076	N	0	N
SGIP1	0.588453456	N	0	N
AC027313.1	0.588469516	N	0	N
PPP1R12B	0.588469516	N	1	N
SYCP1	0.588469516	N	1	N
TUBGCP3	0.588498595	N	0	N
FRG1HP	0.588588323	N	0	N
MOB1B	0.588588323	N	0	N
NPNT	0.588588323	N	0	N
PARGP1	0.588588323	N	0	N
AC107375.1	0.588673995	N	0	N
BSDC1	0.588673995	N	0	N
MAP3K7	0.588673995	N	3	N
RN7SL23P	0.588673995	N	0	N
SCLY	0.588673995	N	5	N
UFD1	0.588673995	N	0	N
Z99289.2	0.588673995	N	0	N
EIF4E3	0.588725283	N	0	N
AGPAT5	0.588907033	N	1	N
AL499616.1	0.588916777	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
ORC3	0.588916777	N	0	N
TTYH3	0.588916777	N	0	N
LOH12CR2	0.588983546	N	0	N
METTL2A	0.589326609	N	0	N
PJA1	0.589326609	N	0	N
STAM-AS1	0.589865399	N	0	N
UPF2	0.589891069	N	1	N
IFT43	0.589981809	N	0	N
INPP5E	0.589981809	N	5	N
LMX1B	0.589981809	N	4	N
RPS3AP38	0.589981809	N	0	N
AC090616.6	0.590020423	N	0	N
UBN1	0.590020423	N	0	N
AC007336.1	0.590025942	N	0	N
AC109481.1	0.590025942	N	0	N
AKR1B10	0.590025942	N	4	N
CFP	0.590025942	N	70	N
LINC01534	0.590025942	N	0	N
MGAT2	0.590025942	N	4	N
PDCD4-AS1	0.590025942	N	0	N
ZNF765	0.590025942	N	0	N
ARHGEF35	0.59023837	N	0	N
HULC	0.59023837	N	1	N
MTF2	0.59023837	N	1	N
RN7SL648P	0.59023837	N	0	N
MAP9	0.590283521	N	0	N
MSANTD2	0.590283521	N	0	N
ADAMTS17	0.590418063	N	0	N
HCG18	0.590418063	N	0	N
WNT2	0.590418063	N	12	N
AC005726.2	0.590677334	N	0	N
IL17RB	0.590677334	N	0	N
UNC119B	0.590677334	N	0	N
AC087821.1	0.59075173	N	0	N
AL121835.2	0.59075173	N	0	N
IGFBP3	0.59075173	N	1000	Y
TNFRSF12A	0.59075173	N	10	N
AC009506.1	0.590819404	N	0	N
PLPPR3	0.590819404	N	0	N
SRP9	0.590819404	N	0	N
AL355877.1	0.590978384	N	0	N
KDM8	0.591054169	N	0	N
KYNU	0.591054169	N	2	N
LINC01909	0.591054169	N	0	N
MAPK6PS2	0.591054169	N	0	N
TMF1	0.591054169	N	0	N
AC009948.2	0.591257142	N	0	N
KBTBD3	0.591257142	N	0	N
TMBIM6	0.591308459	N	5	N
MORC2-AS1	0.591385475	N	0	N
PPP1R3G	0.591385475	N	3	N
TTC22	0.59151331	N	0	N
AC009248.2	0.591584319	N	0	N
AC025419.1	0.591584319	N	0	N
BEND5	0.591584319	N	0	N
CLSTN3	0.591584319	N	0	N
FKBP1A	0.591584319	N	0	N
LRCH1	0.591584319	N	0	N
RWDD4P1	0.591584319	N	0	N
TECPR2	0.591584319	N	0	N
RGS9BP	0.591803275	N	0	N
AL137191.1	0.591887788	N	0	N
ANXA5	0.591887788	N	4	N
DNAAF2	0.591887788	N	0	N
DSCC1	0.591887788	N	0	N
MTCO1P1	0.591887788	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
NDUFA5P11	0.591887788	N	0	N
PIM3	0.591887788	N	1	N
PTPRG-AS1	0.591887788	N	0	N
PNMA8A	0.591919079	N	0	N
KRT80	0.591966876	N	0	N
CHODL	0.59196979	N	1	N
POC1B-AS1	0.59196979	N	0	N
TBCB	0.59196979	N	2	N
AC068418.2	0.592208584	N	0	N
AC093010.1	0.592208584	N	0	N
AC104837.1	0.592208584	N	0	N
AC120349.2	0.592208584	N	0	N
ACTB	0.592208584	N	28	N
CDK2AP2	0.592208584	N	0	N
DMC1	0.592208584	N	0	N
FAM20A	0.592208584	N	0	N
GRM7	0.592208584	N	0	N
KIAA1210	0.592208584	N	0	N
MRPL14	0.592208584	N	0	N
MTA3	0.592208584	N	1	N
NRDE2	0.592208584	N	0	N
PLPP4	0.592208584	N	0	N
TPST1	0.592208584	N	0	N
UBE2MP1	0.592233733	N	0	N
GPRASP2	0.592262959	N	0	N
AC079305.2	0.592271374	N	0	N
ZFYVE26	0.592271374	N	1	N
HMG1	0.592295305	N	4	N
DAPK1-IT1	0.59243866	N	0	N
ESRG	0.59243866	N	0	N
SLC25A45	0.59243866	N	0	N
KDELR1	0.592449746	N	1	N
SNX5	0.592449746	N	3	N
ZNF404	0.592449746	N	0	N
DHX30	0.592547561	N	0	N
RAD51C	0.592547561	N	0	N
TECRP2	0.592547561	N	0	N
HELLS	0.59262128	N	0	N
GET4	0.592705923	N	0	N
DSC3	0.59279348	N	0	N
FER	0.59279348	N	34	N
AC095057.3	0.592847485	N	0	N
APOOL	0.592847485	N	0	N
CPEB4	0.592847485	N	1	N
DOHH	0.592847485	N	0	N
EIF3KP3	0.592847485	N	0	N
MED28P1	0.592847485	N	0	N
PINK1	0.592847485	N	24	N
UBA2	0.592847485	N	0	N
NDUFA6-AS1	0.592893695	N	0	N
TVP23B	0.592893695	N	0	N
CF1	0.592924659	N	16	N
LCN10	0.592924659	N	0	N
ABI2	0.593004142	N	1	N
AC091959.3	0.593004142	N	0	N
FAM19A5	0.593004142	N	0	N
IGBP1P1	0.593004142	N	0	N
LIX1L-AS1	0.593004142	N	0	N
MED26	0.593004142	N	0	N
PODNL1	0.593004142	N	0	N
PTPRCAP	0.593004142	N	0	N
RN7SL670P	0.593004142	N	0	N
TMEM214	0.593004142	N	0	N
AC016722.1	0.59306817	N	0	N
BVES	0.59306817	N	0	N
AC040174.1	0.593102651	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
ZC3H13	0.593102651	N	0	N
PURG	0.593266416	N	0	N
AC005858.4	0.593381747	N	0	N
ARHGAP23P1	0.593381747	N	0	N
C9orf172	0.593381747	N	0	N
CDK11B	0.593381747	N	0	N
PTCD3	0.593381747	N	0	N
AC013489.1	0.593481369	N	0	N
CCDC85A	0.593481369	N	0	N
SCN7A	0.593793128	N	1	N
AC007842.1	0.593917165	N	0	N
GNE	0.593917165	N	3	N
KLHL9	0.593917165	N	1	N
MRPL53	0.593917165	N	0	N
MT1HL1	0.593917165	N	0	N
NUMB	0.593917165	N	9	N
PCA3	0.593917165	N	3	N
SYK	0.593917165	N	31	N
AC068657.1	0.593961744	N	0	N
MIPOL1	0.593961744	N	0	N
PATE1	0.593961744	N	0	N
GADL1	0.594045127	N	1	N
STX8	0.594045127	N	1	N
SMIM10L2A	0.594234857	N	0	N
ATP8B5P	0.594447683	N	0	N
AC009501.1	0.594544788	N	0	N
AC104417.1	0.594544788	N	0	N
AL591846.1	0.594544788	N	0	N
C19orf38	0.594544788	N	0	N
NPM3	0.594544788	N	0	N
PBXIP1	0.594544788	N	1	N
REEP1	0.594544788	N	0	N
TRIR	0.594544788	N	0	N
AC112198.1	0.594559937	N	0	N
DENND3	0.594559937	N	0	N
TET3	0.594559937	N	3	N
WBP2	0.594559937	N	1	N
EXO5	0.594631589	N	0	N
KRT8P15	0.594631589	N	0	N
TDRD15	0.594631589	N	0	N
AC027682.1	0.594638447	N	0	N
AL359075.2	0.594638447	N	0	N
DYNC1L1	0.594638447	N	0	N
PHF5CP	0.594638447	N	0	N
HIST1H1D	0.594720136	N	0	N
LINC00987	0.594720136	N	0	N
MTCH2	0.594720136	N	6	N
AP000997.2	0.594804308	N	0	N
BMS1P22	0.594804308	N	0	N
EIF3B	0.594804308	N	0	N
STX18	0.594804308	N	0	N
TRMT10B	0.594804308	N	0	N
SDHB	0.594978191	N	13	N
RPSAP13	0.594999175	N	0	N
AC025682.1	0.595030866	N	0	N
MAIP1	0.595030866	N	0	N
N6AMT1	0.595030866	N	0	N
SCRN1	0.595072458	N	0	N
OTUD7A	0.595185397	N	1	N
Z69720.1	0.595218127	N	0	N
CARHSP1	0.595411899	N	3	N
Z95152.1	0.59555938	N	0	N
ZBED3	0.59555938	N	4	N
AC006480.2	0.596126736	N	0	N
AC069528.2	0.596126736	N	0	N
HTR1B	0.596126736	N	4	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
RBM17P2	0.596126736	N	0	N
ZNF345	0.596126736	N	0	N
ARL4C	0.59617227	N	3	N
WDR45P1	0.596214212	N	0	N
AMT	0.596299724	N	41	N
RAD54L	0.596299724	N	0	N
MED4-AS1	0.596361748	N	0	N
NUP58	0.596361748	N	0	N
AC024075.1	0.596369993	N	0	N
AC004477.1	0.596425054	N	0	N
USP16	0.596647128	N	1	N
AC011939.3	0.596881515	N	0	N
AF279873.1	0.597062976	N	0	N
GPR157	0.597415339	N	0	N
ZXDC	0.597415339	N	0	N
LLPH	0.597425583	N	0	N
AL031719.2	0.597518392	N	0	N
ENHO	0.597518392	N	40	N
NUDT18	0.597518392	N	0	N
AL513497.1	0.597661088	N	0	N
AL139246.5	0.597663256	N	0	N
GSTK1	0.59767615	N	10	N
SKP1	0.59767615	N	13	N
GDAP2	0.597694614	N	0	N
IL4R	0.597694614	N	6	N
AP000240.1	0.597759499	N	0	N
AL136116.3	0.597826805	N	0	N
C16orf58	0.597826805	N	0	N
DBIP1	0.597826805	N	0	N
VAMP1	0.597826805	N	4	N
ETFRF1	0.597859513	N	0	N
MAD1L1	0.597859513	N	2	N
INGX	0.597903859	N	1	N
PYCARD-AS1	0.597985347	N	0	N
ATP8A2P2	0.597997283	N	0	N
OSBPL1A	0.597997283	N	0	N
AHNAK2	0.598010477	N	0	N
AC017083.3	0.598011536	N	0	N
AL445189.2	0.598011536	N	0	N
C6orf52	0.598011536	N	0	N
MYL6P2	0.598011536	N	0	N
PCMTD1P3	0.598011536	N	0	N
TRPM1	0.598011536	N	1	N
AEN	0.598108763	N	1	N
CNOT7P1	0.598108763	N	0	N
AL137784.1	0.59816646	N	0	N
GRASP	0.59816646	N	273	Y
RHBG	0.59816646	N	0	N
P2RX7	0.598420217	N	17	N
PML	0.598488083	N	21	N
AC005034.5	0.598587947	N	0	N
AC046185.1	0.598587947	N	0	N
SHC1	0.598587947	N	174	Y
TSSK3	0.598587947	N	1	N
AC006111.2	0.598611035	N	0	N
AL353072.1	0.598611035	N	0	N
CYFIP1	0.598611035	N	1	N
LILRA2	0.598611035	N	0	N
MMACHC	0.598611035	N	1	N
PARD6G-AS1	0.598611035	N	0	N
PSMB8-AS1	0.598611035	N	0	N
SNAP23P1	0.598611035	N	0	N
TMEM136	0.598611035	N	0	N
TMEM199	0.598611035	N	0	N
TRIM72	0.598611035	N	17	N
ZNF596	0.598611035	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC018529.3	0.598663673	N	0	N
C21orf91	0.598663673	N	0	N
DNAJC14	0.598663673	N	0	N
L3MBTL1	0.598663673	N	0	N
SNHG19	0.598663673	N	0	N
TRAPP11	0.598663673	N	0	N
WDR45	0.598663673	N	0	N
AC026904.1	0.59867713	N	0	N
IMMP2L	0.59867713	N	0	N
MAPKAPK5-AS1	0.59867713	N	0	N
NREP	0.59867713	N	0	N
SMARCA2	0.598935301	N	4	N
WDR45B	0.59933412	N	0	N
Z93930.3	0.599373225	N	0	N
AC021146.7	0.59992068	N	0	N
AL807752.1	0.59992068	N	0	N
ASNA1	0.59992068	N	4	N
AAMP	0.600064414	N	3	N
AP000563.1	0.600064414	N	0	N
DRG1	0.600064414	N	0	N
AC005996.1	0.600177	N	0	N
AC009319.1	0.600177	N	0	N
AC018645.3	0.600177	N	0	N
AC091271.1	0.600177	N	0	N
AC092835.1	0.600177	N	0	N
AC112229.3	0.600177	N	0	N
AMMECR1L	0.600177	N	0	N
ARNTL	0.600177	N	69	N
ATXN7	0.600177	N	2	N
AZIN2	0.600177	N	1	N
CENPCP1	0.600177	N	0	N
GOLGA5P1	0.600177	N	0	N
INO80E	0.600177	N	0	N
INPP5D	0.600177	N	11	N
LINC01123	0.600177	N	0	N
MAP3K14-AS1	0.600177	N	0	N
NHS	0.600177	N	1000	Y
NMRAL1	0.600177	N	0	N
POLE4	0.600177	N	0	N
PRKDC	0.600177	N	13	N
SLC2A8	0.600177	N	42	N
TBKBP1	0.600177	N	0	N
WDR11-AS1	0.600177	N	0	N
AC009948.1	0.600198018	N	0	N
AC007923.4	0.600270821	N	0	N
CD37	0.600373912	N	0	N
MORF4L2-AS1	0.600373912	N	0	N
PRDX2P1	0.600415934	N	0	N
AL513533.1	0.600542628	N	0	N
SULT1A2	0.600542628	N	0	N
TNNI3K	0.600542628	N	2	N
AC011603.2	0.600591457	N	0	N
AKT1	0.600591457	N	1000	Y
AL109614.1	0.600591457	N	0	N
FUT8	0.600591457	N	4	N
GABARAPL2	0.600591457	N	1	N
AC022417.1	0.600606434	N	0	N
KCNK15	0.600606434	N	0	N
MYL12AP1	0.600713682	N	0	N
PHC1	0.600713682	N	0	N
SEPSECS	0.600713682	N	0	N
NDFIP2	0.600794305	N	0	N
CUL1	0.600868853	N	6	N
AC098476.1	0.600954432	N	0	N
AC009088.1	0.601020635	N	0	N
AL139811.2	0.601175296	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
ANGPTL1	0.601175296	N	6	N
TBC1D7	0.60120664	N	3	N
TMX1	0.60120664	N	1	N
FAF1	0.601306935	N	2	N
NUDT19	0.601306935	N	0	N
C14orf159	0.601375269	N	0	N
MUM1	0.601375269	N	1	N
AC010240.2	0.601381484	N	0	N
FLJ31104	0.601381484	N	0	N
KRTAP5-AS1	0.601381484	N	0	N
STIM1	0.601381484	N	25	N
TAS2R10	0.601381484	N	0	N
AC006213.6	0.601514697	N	0	N
NUTM2D	0.60152815	N	0	N
ING4	0.601534952	N	1	N
NEK9	0.601534952	N	0	N
XIAP	0.601609813	N	48	N
AP005328.1	0.601633954	N	0	N
LINC01140	0.601633954	N	0	N
SORBS1	0.601739599	N	23	N
AC012020.1	0.60191257	N	0	N
CDO1	0.60191257	N	1	N
DEDD2	0.60191257	N	0	N
DTD2	0.60191257	N	0	N
XIAPP2	0.60191257	N	0	N
XPOTP1	0.601969249	N	0	N
AC026688.1	0.601970012	N	0	N
METTL2B	0.601970012	N	0	N
CCT6P1	0.602113782	N	0	N
TTL	0.60231774	N	4	N
CCDC163	0.602319867	N	0	N
CCNB1IP1P1	0.602319867	N	0	N
RPP40	0.602319867	N	0	N
TRIM3	0.602319867	N	0	N
ZNF787	0.602319867	N	0	N
AL049780.3	0.602338679	N	0	N
SCUBE2	0.602664452	N	0	N
AC139795.1	0.602673605	N	0	N
ZNF503-AS1	0.602713748	N	0	N
CYP51A1	0.602810751	N	2	N
HHIPL1	0.602810751	N	1	N
AC112702.1	0.602853931	N	0	N
AL133215.2	0.602853931	N	0	N
DDO	0.602853931	N	1	N
HDDC3	0.602853931	N	0	N
MGAT4D	0.602853931	N	0	N
TMED5	0.602853931	N	0	N
Z99943.1	0.602853931	N	0	N
AC007610.4	0.602861819	N	0	N
AP000911.1	0.602861819	N	0	N
ARHGAP39	0.602861819	N	0	N
DERL1	0.602861819	N	1	N
ELOF1	0.602861819	N	0	N
FASTKD2	0.602861819	N	0	N
FSCN3	0.602861819	N	0	N
LINC01907	0.602861819	N	0	N
MYOD1	0.602861819	N	84	N
NRG2	0.602861819	N	1	N
SEZ6L2	0.602861819	N	1	N
TUBGCP4	0.602861819	N	0	N
STRADB	0.602875662	N	0	N
BMPR1A	0.602884232	N	13	N
APOLD1	0.603414145	N	0	N
ANKRD50	0.603489792	N	0	N
ACKR2	0.60367589	N	1	N
AC011487.2	0.603738248	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
KBTBD6	0.603738248	N	0	N
MTMR4	0.603738248	N	0	N
SAMD5	0.603738248	N	0	N
STARD13-IT1	0.603738248	N	0	N
TCN2	0.603738248	N	1	N
ZNF385C	0.603738248	N	0	N
AL162311.2	0.603741256	N	0	N
SERBP1	0.603741256	N	0	N
FAR2P1	0.603789526	N	0	N
LINC00484	0.603789526	N	0	N
MPZL2	0.603981192	N	1	N
TOP3A	0.603981192	N	8	N
AC009166.2	0.60398267	N	0	N
KISS1R	0.60398267	N	17	N
MAP2K4	0.604069909	N	14	N
BEST4	0.604502862	N	0	N
FCRL5	0.604502862	N	1	N
FZD10	0.604502862	N	1	N
GTF2H5	0.604502862	N	0	N
INHBE	0.604502862	N	6	N
NEPRO	0.604502862	N	0	N
OFCC1	0.604502862	N	0	N
PRSS30P	0.604993335	N	0	N
DFFB	0.605230958	N	2	N
AC091825.1	0.605305325	N	0	N
AL591684.2	0.605305325	N	0	N
FAM49B	0.605305325	N	0	N
MRPL2P1	0.605305325	N	0	N
RN7SL471P	0.605305325	N	0	N
ZBED9	0.605305325	N	0	N
CFAP58-AS1	0.605311945	N	0	N
PRDM15	0.605311945	N	0	N
AC022098.1	0.605418701	N	0	N
AL359091.3	0.605418701	N	0	N
EEF1E1	0.605418701	N	0	N
PSME2	0.605418701	N	2	N
TRIM38	0.605418701	N	0	N
CYP1B1	0.605421648	N	15	N
IRF3	0.605452758	N	18	N
AL713998.2	0.605661988	N	0	N
AC233290.1	0.605726832	N	0	N
RIOX2	0.605917655	N	0	N
AC008467.1	0.60611841	N	0	N
AK2P2	0.60611841	N	0	N
EFNA4	0.606189423	N	1	N
NLRP6	0.606296602	N	1	N
NPM1P29	0.606296602	N	0	N
UTP20	0.606296602	N	0	N
ANP32A	0.606298409	N	2	N
RSRP1	0.606335307	N	0	N
AC108449.2	0.606369125	N	0	N
TBCAP1	0.606369125	N	0	N
CYP27A1	0.606381134	N	22	N
TRABD2A	0.606528387	N	0	N
AC128688.2	0.606577947	N	0	N
DCK	0.606654506	N	3	N
DOCK10	0.606654506	N	1	N
NXNP1	0.606654506	N	0	N
SYCE1L	0.606654506	N	0	N
AC008560.1	0.606680429	N	0	N
SMARCA5	0.606680429	N	1	N
AL117379.1	0.60681576	N	0	N
IFNGR2	0.60681576	N	2	N
INAFM2	0.60681576	N	0	N
MLLT11	0.60681576	N	0	N
CACNB2	0.606870679	N	3	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
NKIRAS1	0.606870679	N	0	N
FBXO46	0.607045589	N	0	N
RUNX1	0.607045589	N	18	N
TRIP12	0.607045589	N	0	N
POMC	0.607399403	N	1000	Y
RNF219-AS1	0.607399403	N	0	N
ZNF774	0.607399403	N	0	N
PGM5P2	0.607466805	N	0	N
SNORA53	0.607466805	N	0	N
HLA-A	0.607479429	N	225	Y
CAVIN3	0.607480245	N	1	N
DDB1	0.607480245	N	6	N
RPL7A	0.607653299	N	0	N
SUB1	0.607653299	N	0	N
ING3	0.607659596	N	0	N
PLXNC1	0.607659596	N	0	N
TTC26	0.607659596	N	0	N
AC127459.1	0.607731837	N	0	N
KIAA1161	0.607731837	N	0	N
AC079062.1	0.607759532	N	0	N
AC079416.3	0.607759532	N	0	N
AC090204.1	0.607759532	N	0	N
AC127164.1	0.607759532	N	0	N
CDCA7	0.607759532	N	0	N
CYB5RL	0.607759532	N	0	N
DDX56	0.607759532	N	0	N
FOXI3	0.607759532	N	0	N
GATAD2B	0.607759532	N	0	N
LCN15	0.607759532	N	0	N
MANEA	0.607759532	N	2	N
RAB4A	0.607759532	N	11	N
SEPT2P1	0.607759532	N	0	N
SLC2A4RG	0.607759532	N	10	N
TNFSF14	0.607759532	N	11	N
TPTIP10	0.607759532	N	0	N
ABCC1	0.607888376	N	6	N
KAT2A	0.607888376	N	4	N
CPEB1-AS1	0.607970221	N	0	N
PHYHIP	0.607970221	N	0	N
GALNTL6	0.607988202	N	0	N
CPNE1	0.608003497	N	0	N
UGT3A1	0.608003497	N	1	N
AC131971.1	0.608064111	N	0	N
TUBB6	0.608078116	N	0	N
FAM103A2P	0.60812511	N	0	N
CDH22	0.608169739	N	0	N
AP001099.1	0.608460292	N	0	N
HIST1H3F	0.608506279	N	0	N
NSUN7	0.608506279	N	0	N
PWP2	0.608506279	N	0	N
RNF6	0.608620631	N	0	N
ID2	0.608662354	N	34	N
AL391121.1	0.608681642	N	0	N
GP6	0.608820466	N	1	N
RASSF8-AS1	0.608820466	N	0	N
AAED1	0.608884313	N	0	N
AL807761.2	0.608884313	N	0	N
C11orf87	0.608884313	N	0	N
CALM2P4	0.608884313	N	0	N
ITGA1	0.608884313	N	7	N
METTL1	0.608884313	N	1	N
SIRT2	0.608958655	N	47	N
CFAP97	0.609083033	N	0	N
MMS22L	0.609117344	N	0	N
NFKB1	0.609117344	N	34	N
RPL29P14	0.609303552	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
C4orf36	0.609408792	N	0	N
AC107884.1	0.609436527	N	0	N
AC108073.1	0.609436527	N	0	N
ADCY8	0.609436527	N	4	N
AL590627.1	0.609436527	N	0	N
CDH20	0.609436527	N	0	N
EEF1G8	0.609436527	N	0	N
EPRS	0.609436527	N	6	N
FADS3	0.609436527	N	4	N
MTFR1L	0.609436527	N	0	N
NDNF	0.609436527	N	1	N
NIPSNAP2	0.609436527	N	0	N
PAPOLG	0.609436527	N	1	N
PHRF1	0.609436527	N	0	N
SEMA6C	0.609436527	N	0	N
TCTEX1D2	0.609436527	N	1	N
ZDHHC20P4	0.609436527	N	0	N
CHDH	0.609461051	N	0	N
ILF2P2	0.609461051	N	0	N
FMR1-IT1	0.609656482	N	0	N
GCSAM	0.60971301	N	0	N
MAGT1	0.60971301	N	1	N
NCK2	0.60971301	N	3	N
PARN	0.60971301	N	2	N
Z98200.1	0.60971301	N	0	N
AL162730.1	0.610159086	N	0	N
KSR2	0.610159086	N	8	N
SLC13A3	0.610159086	N	1	N
THBS4	0.610159086	N	2	N
USP22	0.610159086	N	0	N
PRMT5-AS1	0.610202733	N	0	N
PRR7-AS1	0.61058906	N	0	N
AC004908.2	0.610640291	N	0	N
AC007225.1	0.610640291	N	0	N
AC036214.3	0.610640291	N	0	N
ADAM11	0.610640291	N	1	N
AF131215.6	0.610640291	N	0	N
AL138799.1	0.610640291	N	0	N
CAPSL	0.610640291	N	0	N
COL4A3	0.610640291	N	1	N
DAP3	0.610640291	N	2	N
EML4	0.610640291	N	18	N
GALNT13	0.610640291	N	0	N
HMGN3	0.610640291	N	1	N
ISCU	0.610640291	N	0	N
NFATC2	0.610640291	N	14	N
RCN1	0.610640291	N	0	N
SMYD3	0.610640291	N	2	N
SUGT1P2	0.610640291	N	0	N
AC093323.1	0.610796648	N	0	N
CDC42SE1	0.610811169	N	0	N
HCN3	0.610858802	N	1	N
RALGAPA1P1	0.610858802	N	0	N
CCAT1	0.610990471	N	0	N
AC106791.1	0.611016455	N	0	N
ARHGAP10	0.611016455	N	0	N
ARSG	0.611016455	N	0	N
HIST1H3D	0.611016455	N	0	N
KRT223P	0.611040099	N	0	N
AC109329.1	0.61111276	N	0	N
AC010343.3	0.611231105	N	0	N
AC109779.1	0.611263925	N	0	N
AL117332.1	0.611263925	N	0	N
CPS1	0.611263925	N	5	N
HERC3	0.611263925	N	0	N
PTMA	0.611263925	N	3	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
DNMT1	0.61141428	N	90	N
GAS6-AS2	0.61141428	N	0	N
HTT	0.61141428	N	57	N
LHFPL4	0.61141428	N	0	N
LINC02193	0.61141428	N	0	N
POFUT2	0.61141428	N	0	N
PRMT5P1	0.61141428	N	0	N
PSMD10P2	0.61141428	N	0	N
SIGLEC1	0.61141428	N	0	N
SPACA9	0.61141428	N	0	N
TMCO6	0.61141428	N	0	N
TXNDC12	0.61141428	N	2	N
Z98749.1	0.61141428	N	0	N
CCR4	0.611487052	N	17	N
SYPL2	0.611487052	N	0	N
CAPN1	0.6117572	N	8	N
GRK4	0.6117572	N	2	N
SLC7A8	0.61177559	N	4	N
SLC25A38P1	0.611837993	N	0	N
AC008026.3	0.611889129	N	0	N
AL121832.3	0.611889129	N	0	N
RN7SL48P	0.611889129	N	0	N
AASDH	0.612075301	N	0	N
HHLA2	0.612075301	N	0	N
HM13	0.612075301	N	0	N
KCNAB2	0.612075301	N	1	N
CACTIN	0.612126906	N	0	N
ATP5G1P6	0.612221039	N	0	N
DDX54	0.612221039	N	0	N
EEF1G2	0.612221039	N	0	N
MRPL58	0.612221039	N	0	N
LHPP	0.612258233	N	0	N
ARF5	0.612262104	N	2	N
CDKL3	0.612262104	N	0	N
FAM9C	0.612262104	N	0	N
ZNF337	0.612262104	N	0	N
ART3	0.612352192	N	2	N
AL138963.3	0.612452805	N	0	N
BBOF1	0.612452805	N	0	N
LYSMD1	0.612452805	N	0	N
TBC1D25	0.612452805	N	0	N
BLID	0.612617654	N	1	N
AC064799.2	0.612783467	N	0	N
SLC25A36	0.612783467	N	0	N
ZNF202	0.612783467	N	0	N
AC012181.3	0.612874568	N	0	N
AC087521.2	0.612874568	N	0	N
LZTS1	0.612874568	N	0	N
AL359710.1	0.612900269	N	0	N
AL022069.2	0.612905868	N	0	N
AP000892.3	0.612905868	N	0	N
LDHAP3	0.612905868	N	0	N
MAP4K2	0.612905868	N	0	N
AC026979.4	0.613026064	N	0	N
ISL2	0.613026064	N	18	N
ADA	0.613034588	N	529	Y
GDF11	0.613034588	N	12	N
GTF3C3	0.613227375	N	0	N
AC231533.2	0.613444973	N	0	N
AAAS	0.613534829	N	23	N
AC034232.1	0.613534829	N	0	N
AL049874.3	0.613534829	N	0	N
AL136981.1	0.613534829	N	0	N
ARHGAP17	0.613534829	N	0	N
CD83	0.613534829	N	12	N
HES7	0.613534829	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
PAFAH2	0.613534829	N	0	N
PRG2	0.613534829	N	0	N
RAB11FIP5	0.613534829	N	0	N
RAB4B	0.613534829	N	5	N
RPS7P11	0.613534829	N	0	N
TPT1P4	0.613534829	N	0	N
NCOA4P2	0.613577004	N	0	N
AC017013.1	0.613779971	N	0	N
HS3ST3A1	0.613865417	N	0	N
AATBC	0.613991557	N	0	N
AC008543.1	0.613991557	N	0	N
AC015849.4	0.613991557	N	0	N
AC099494.1	0.613991557	N	0	N
AC117409.1	0.613991557	N	0	N
AC140479.3	0.613991557	N	0	N
AL022313.1	0.613991557	N	0	N
AL049873.1	0.613991557	N	0	N
ANG	0.613991557	N	893	Y
ATP6V1G1	0.613991557	N	0	N
AURKAIP1	0.613991557	N	0	N
CDC42BPG	0.613991557	N	0	N
CHIC1	0.613991557	N	0	N
COPZ1	0.613991557	N	1	N
DPH3P1	0.613991557	N	0	N
FBXW7	0.613991557	N	13	N
HSD17B8	0.613991557	N	0	N
ILVBL	0.613991557	N	0	N
LMAN1	0.613991557	N	2	N
LRIG3	0.613991557	N	2	N
MAG11	0.613991557	N	1	N
MBLAC1	0.613991557	N	0	N
MSX2	0.613991557	N	16	N
PSMD8	0.613991557	N	0	N
QPCTL	0.613991557	N	2	N
SLC22A8	0.613991557	N	4	N
SYNC	0.613991557	N	5	N
TMEM187	0.613991557	N	0	N
TRIM39-RPP21	0.613991557	N	0	N
ATAD5	0.614173918	N	0	N
MIR7515HG	0.614173918	N	0	N
NDUFV3	0.614173918	N	0	N
OXCT2P1	0.614173918	N	0	N
AC004877.2	0.614264786	N	0	N
OCIAD1	0.614264786	N	0	N
CLTCL1	0.614315908	N	6	N
DCAF8L1	0.614315908	N	0	N
DHFRP1	0.614315908	N	0	N
GPT2	0.614315908	N	3	N
MTERF3	0.614315908	N	0	N
PIGBOS1	0.614315908	N	0	N
PRPH2	0.614315908	N	0	N
SNX25P1	0.614315908	N	0	N
STON1-GTF2A1L	0.614315908	N	1	N
ZBTB45	0.614315908	N	0	N
AP003068.4	0.614452984	N	0	N
ARHGAP24	0.614452984	N	0	N
MIEF1	0.614452984	N	0	N
MTG2	0.61448126	N	0	N
OVGP1	0.61448126	N	4	N
VWA2	0.61448126	N	1	N
WASF2	0.61448126	N	6	N
ZNF865	0.61448126	N	0	N
NOL8P1	0.6148138	N	0	N
TECRL	0.614914314	N	1	N
AC009712.1	0.614916436	N	0	N
C3orf35	0.615055868	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AES	0.615162265	N	207	Y
CACNA2D1	0.615162265	N	3	N
ABCF3	0.615175005	N	0	N
NEMP2	0.615175005	N	0	N
PCDHGB6	0.615175005	N	0	N
RCC2P8	0.615175005	N	0	N
TMEM161BP1	0.615175005	N	0	N
TUBB	0.615175005	N	4	N
ATP7B	0.615599266	N	5	N
C9orf85	0.615658184	N	0	N
NARF	0.615658184	N	0	N
TBC1D10B	0.615785717	N	0	N
AC007000.2	0.615856368	N	0	N
TP53INP2	0.615856368	N	4	N
ANKRD20A3	0.616097288	N	0	N
ZNF687	0.616097288	N	0	N
AC087284.1	0.616228339	N	0	N
HS6ST1	0.616301022	N	0	N
PCDHGA3	0.616301022	N	0	N
AP004609.3	0.616371687	N	0	N
FANCE	0.616371687	N	0	N
AC027307.2	0.616407083	N	0	N
ATP5F1P7	0.616407083	N	0	N
CROCC	0.616407083	N	0	N
KDEL2	0.616407083	N	1	N
PKMP2	0.616407083	N	0	N
ZNF165	0.616407083	N	0	N
PODXL2	0.616479324	N	0	N
PYGM	0.616645793	N	10	N
AP001029.2	0.616757793	N	0	N
SHQ1P1	0.616771695	N	0	N
AC010168.2	0.616898465	N	0	N
AC026241.1	0.617054749	N	0	N
AC112203.1	0.617054749	N	0	N
AL136040.2	0.617054749	N	0	N
AP001453.2	0.617054749	N	0	N
C6orf183	0.617054749	N	0	N
CDC42EP2	0.617054749	N	0	N
ERICH5	0.617054749	N	0	N
GDF15	0.617054749	N	52	N
GOPC	0.617054749	N	3	N
HACD4	0.617054749	N	0	N
KAT2B	0.617054749	N	5	N
KRT10	0.617054749	N	1	N
LINC01814	0.617054749	N	0	N
TMA16P1	0.617054749	N	0	N
WASHC4	0.617054749	N	0	N
AC027796.2	0.617078835	N	0	N
AC110768.2	0.617078835	N	0	N
AP001357.2	0.617078835	N	0	N
ARHGDIB	0.617078835	N	0	N
CLTB	0.617078835	N	0	N
DDX10	0.617078835	N	0	N
EPS15L1	0.617078835	N	0	N
KTI12	0.617078835	N	0	N
MTMR1	0.617078835	N	1	N
CYTH3	0.61709145	N	1	N
DNM1P46	0.61709145	N	0	N
HSD17B10	0.61709145	N	5	N
LRP5L	0.61709145	N	0	N
AC069503.2	0.617218716	N	0	N
TXNDC15	0.617218716	N	0	N
AC090772.3	0.617305705	N	0	N
CALM3	0.617305705	N	1	N
AC005189.1	0.617441907	N	0	N
AC008966.1	0.617441907	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC073869.3	0.617441907	N	0	N
AL391863.1	0.617441907	N	0	N
CCNG1	0.617441907	N	11	N
CEP83	0.617441907	N	0	N
CROCCP1	0.617441907	N	0	N
CSNK1A1P1	0.617441907	N	0	N
DYRK1A	0.617441907	N	25	N
ELL2P1	0.617441907	N	0	N
FERMT2	0.617441907	N	1	N
GRPEL1	0.617441907	N	0	N
IKBIP	0.617441907	N	0	N
LBX2-AS1	0.617441907	N	0	N
NUGGC	0.617441907	N	0	N
PIGX	0.617441907	N	0	N
SLC8B1	0.617441907	N	1	N
SLC9A9	0.617441907	N	0	N
SNRNP48	0.617441907	N	0	N
SORBS2	0.617441907	N	2	N
SYP	0.617441907	N	61	N
SYT14	0.617441907	N	0	N
CDKL5	0.61748043	N	2	N
CLCN3P1	0.61748043	N	0	N
FCF1P7	0.61748043	N	0	N
IPO9	0.61748043	N	0	N
LAG3	0.61748043	N	5	N
PARP11	0.61748043	N	0	N
PDF	0.61748043	N	95	N
AL139384.2	0.617527288	N	0	N
LINC00976	0.617527288	N	0	N
NKX3-1	0.617527288	N	8	N
PAN3	0.617527288	N	0	N
DBR1	0.617543897	N	0	N
DTX4	0.617819987	N	0	N
ZNF726	0.617819987	N	0	N
IMPAD1	0.617831409	N	0	N
GPN1	0.617869973	N	0	N
IGFBP4	0.61826359	N	135	Y
PSMB4	0.61826359	N	1	N
AC009996.1	0.618545879	N	0	N
C10orf90	0.618545879	N	1	N
CCL2	0.618545879	N	818	Y
CTNNAL1	0.618545879	N	0	N
FOXE3	0.618545879	N	0	N
HLTF	0.618688337	N	5	N
GEMIN5	0.618693798	N	0	N
COMMD3	0.618713685	N	0	N
MRPL45P2	0.618713685	N	0	N
SF3B1	0.618713685	N	0	N
TMEM91	0.618806726	N	0	N
AC018809.1	0.618859519	N	0	N
LRRC14	0.618859519	N	0	N
MRPL35P2	0.618859519	N	0	N
AL355488.2	0.619005473	N	0	N
ALAS1	0.619005473	N	5	N
PAPPA-AS1	0.619005473	N	0	N
TMEM219	0.619279533	N	2	N
MICB	0.619430857	N	1	N
SYNE4	0.619430857	N	0	N
AC245054.2	0.61952598	N	0	N
RNLS	0.61952598	N	2	N
TMA16P2	0.61952598	N	0	N
AC011716.1	0.619698999	N	0	N
ATG14	0.619757905	N	7	N
LYRM2	0.619757905	N	0	N
AL451085.2	0.619812901	N	0	N
ABCB1	0.619891887	N	22	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC008608.2	0.619891887	N	0	N
AC009078.3	0.619891887	N	0	N
AC068533.1	0.619891887	N	0	N
DCAF13P3	0.619891887	N	0	N
PDE4D	0.619891887	N	10	N
RPL35P6	0.619891887	N	0	N
SCARNA3	0.619891887	N	0	N
TRIM33	0.620139615	N	0	N
UNC50	0.620139615	N	0	N
AL356055.1	0.620150368	N	0	N
UPK1B	0.620150368	N	1	N
RALGAPA1	0.620399559	N	1	N
CREBL2	0.620407945	N	0	N
AC004967.1	0.62100386	N	0	N
AC093426.1	0.62100386	N	0	N
AC096644.4	0.62100386	N	0	N
ACSBG1	0.62100386	N	1	N
ADAMTSL3	0.62100386	N	2	N
APOB	0.62100386	N	1000	Y
B3GNT9	0.62100386	N	0	N
C12orf65	0.62100386	N	0	N
F2R	0.62100386	N	4	N
KCNQ5-IT1	0.62100386	N	0	N
LINC01087	0.62100386	N	0	N
LRRC14B	0.62100386	N	0	N
MARVELD2	0.62100386	N	1	N
MCUR1	0.62100386	N	0	N
OTUD4	0.62100386	N	0	N
SLC28A2	0.62100386	N	2	N
TRMO	0.62100386	N	0	N
ZBTB12	0.62100386	N	0	N
C1orf132	0.621124413	N	0	N
PPP2R2D	0.621124413	N	0	N
SLC7A6	0.621176634	N	0	N
CISD2	0.621260898	N	7	N
AC092718.7	0.621321634	N	0	N
AC007458.1	0.621453481	N	0	N
AC108860.2	0.621453481	N	0	N
HSD17B7P2	0.621453481	N	0	N
KCNK1	0.621453481	N	0	N
THAP1	0.621453481	N	0	N
THAP6	0.621453481	N	0	N
LHX1	0.621500335	N	12	N
TMEM185B	0.621500335	N	0	N
LRRC41	0.621526542	N	0	N
MAP1B	0.621526542	N	5	N
AC011815.2	0.621544505	N	0	N
LFNG	0.621544505	N	1	N
MB21D1	0.621544505	N	2	N
COL6A4P1	0.621702649	N	0	N
EIF3H	0.621702649	N	0	N
PEAR1	0.621702649	N	0	N
PLEKHJ1	0.621702649	N	0	N
DSC2	0.621855521	N	1	N
LCTL	0.621855521	N	0	N
CSRNP3	0.621860618	N	0	N
MICU1	0.621860618	N	2	N
MYO3A	0.621860618	N	0	N
AC027612.3	0.621881283	N	0	N
AC091152.4	0.621881283	N	0	N
CTA-342B11.3	0.621931851	N	0	N
FBXL6	0.621950854	N	0	N
AL049840.6	0.621961678	N	0	N
AP000593.1	0.621961678	N	0	N
AR	0.621961678	N	1000	Y
BAIAP2L1	0.621961678	N	3	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
CYB5R1	0.621961678	N	0	N
DDN	0.621961678	N	2	N
E2F8	0.621961678	N	3	N
FAAH	0.621961678	N	34	N
LINC01733	0.621961678	N	0	N
MAGI2-AS3	0.621961678	N	0	N
MAPK6	0.621961678	N	9	N
MEF2D	0.621961678	N	19	N
MZF1-AS1	0.621961678	N	0	N
RBM10	0.621961678	N	0	N
RPS3AP6	0.621961678	N	0	N
TSR1	0.621961678	N	0	N
AC018645.2	0.622165597	N	0	N
AC023157.1	0.622165597	N	0	N
AC058823.1	0.622165597	N	0	N
AC112484.2	0.622165597	N	0	N
ATP5JP1	0.622165597	N	0	N
AURKC	0.622165597	N	0	N
CATSPER1	0.622165597	N	1	N
GFOD2	0.622165597	N	1	N
NUP50-AS1	0.622165597	N	0	N
ZMYND15	0.622165597	N	0	N
CNOT6L	0.622195602	N	2	N
PAFAH1B3	0.622195602	N	1	N
ZNF821	0.622195602	N	0	N
RTN3P1	0.622315679	N	0	N
GAREM2	0.622403343	N	1	N
HMCN2	0.622403343	N	0	N
AC133548.2	0.622494558	N	0	N
TYK2	0.622837265	N	38	N
AC002350.2	0.623092989	N	0	N
AC007375.1	0.623229075	N	0	N
ARHGEF6	0.623229075	N	0	N
PPP1R32	0.623286279	N	0	N
SHROOM2	0.623294571	N	0	N
AC007256.1	0.623355797	N	0	N
AC005840.5	0.623511993	N	0	N
COQ5	0.623511993	N	1	N
PRPF38A	0.623511993	N	0	N
ZNF574	0.623511993	N	0	N
AC006566.1	0.623628707	N	0	N
GRM2	0.623628707	N	1	N
MRPS2	0.624021826	N	0	N
RBM33	0.624155311	N	1	N
TNNT2	0.624180854	N	7	N
AL133243.4	0.624209484	N	0	N
RPP21	0.624209484	N	0	N
SLFN13	0.624405517	N	0	N
TSC22D2	0.624405517	N	0	N
AC012594.1	0.624475778	N	0	N
AL512353.1	0.624475778	N	0	N
CPNE6	0.624475778	N	1	N
RBM17	0.624475778	N	0	N
SPIN4	0.624475778	N	0	N
VMO1	0.624475778	N	0	N
ZNF454	0.624475778	N	0	N
AC245297.3	0.624645803	N	0	N
AL356124.2	0.624745985	N	0	N
DNAH8	0.624767135	N	0	N
EPM2A	0.624847991	N	6	N
BAK1	0.624851859	N	19	N
DAND5	0.624851859	N	0	N
NUP62	0.624851859	N	1	N
ILF3-AS1	0.625057781	N	0	N
KHDRBS3	0.625057781	N	0	N
RN7SKP234	0.625057781	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
BCAT1	0.625142892	N	11	N
DYSF	0.625142892	N	6	N
PTPN2P1	0.625142892	N	0	N
SLC11A1	0.625142892	N	5	N
AATK	0.62521717	N	5	N
SLC2A1-AS1	0.625346316	N	0	N
PITPNM2	0.625375025	N	0	N
RASAL3	0.625375025	N	0	N
MARC1	0.625672795	N	1	N
C1orf131	0.625672795	N	0	N
PLEKHA5	0.625672795	N	1	N
ZNF212	0.625672795	N	0	N
LINC02340	0.625720774	N	0	N
LYPLA1P3	0.625720774	N	0	N
RNF126	0.625720774	N	1	N
AC002558.1	0.625783081	N	0	N
ATP6V1G2	0.625806918	N	0	N
EEF1AKMT2	0.625806918	N	0	N
SUGT1P3	0.625806918	N	0	N
C2orf42	0.625838734	N	0	N
AL353796.1	0.625914645	N	0	N
SH3BGRL2	0.625981491	N	0	N
LRRC10B	0.626190294	N	1	N
TDGF1P3	0.626190294	N	0	N
C8orf44	0.626361349	N	0	N
PLCL1	0.626361349	N	0	N
PTGES3	0.626361349	N	0	N
CHAF1B	0.626380408	N	0	N
DDX27	0.626380408	N	0	N
ZNF839	0.626380408	N	0	N
AC026150.3	0.626384227	N	0	N
OR7D2	0.626384227	N	0	N
TRAPPC2	0.626384227	N	0	N
DPF3	0.626484189	N	1	N
PET100	0.626497171	N	0	N
AC002480.2	0.626744797	N	0	N
NR2F2	0.626744797	N	17	N
EDN1	0.626787984	N	8	N
AC124242.1	0.626815614	N	0	N
FAM206BP	0.626821942	N	0	N
ZC3H7B	0.626841334	N	0	N
PDC	0.627170268	N	107	Y
THAP2	0.627306244	N	0	N
CSNK2A2	0.627390111	N	1	N
JCAD	0.627390111	N	0	N
UQCRB	0.627390111	N	2	N
ACBD5	0.627399656	N	0	N
GLIS3	0.627399656	N	59	N
GRIA3	0.627399656	N	5	N
AL449403.1	0.627466093	N	0	N
RPS6KL1	0.627466093	N	0	N
FLVCR1	0.627510758	N	1	N
OVCH1	0.627510758	N	0	N
AC022149.1	0.627598972	N	0	N
FAM209A	0.627598972	N	0	N
PYCR1	0.62768343	N	1	N
PPP1R36	0.627872539	N	0	N
SQLE	0.62789898	N	5	N
ADSS	0.628093908	N	2	N
ANKRD10-IT1	0.628095578	N	0	N
PPP1R13B	0.628171272	N	0	N
MICU3	0.628359049	N	0	N
USP47	0.628481534	N	0	N
AP001207.2	0.628497624	N	0	N
FYCO1	0.628497624	N	0	N
SNAPC4	0.628497624	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
CRBN	0.628617573	N	4	N
LINC00923	0.628617573	N	0	N
MISP3	0.628617573	N	0	N
NCK1	0.628617573	N	7	N
AC116917.1	0.629103263	N	0	N
CS	0.629103263	N	1000	Y
GAPDHP60	0.629103263	N	0	N
LAPTM4BP2	0.629103263	N	0	N
RRS1	0.629103263	N	0	N
SNAPC5	0.629103263	N	0	N
FAM167B	0.629131252	N	0	N
DMBT1	0.629160943	N	2	N
NUP98	0.629160943	N	1	N
POTEC	0.629160943	N	0	N
TSHZ2	0.629160943	N	0	N
AC009831.1	0.629174981	N	0	N
AFTPH	0.629174981	N	0	N
AP001429.1	0.629174981	N	0	N
ASPRV1	0.629174981	N	0	N
B4GALT5	0.629174981	N	3	N
C1QTNF3	0.629174981	N	22	N
CAPN7	0.629174981	N	0	N
CDH6	0.629174981	N	2	N
CFLIP2	0.629174981	N	0	N
FBXO28	0.629174981	N	1	N
FRZB	0.629174981	N	3	N
GPC3	0.629174981	N	39	N
IK	0.629174981	N	30	N
JHDM1D-AS1	0.629174981	N	0	N
KLB	0.629174981	N	43	N
LINC01128	0.629174981	N	0	N
NEO1	0.629174981	N	0	N
SGK2	0.629174981	N	10	N
SMG1P5	0.629174981	N	0	N
SRSF10	0.629174981	N	1	N
TGFA	0.629174981	N	14	N
TSG101	0.629174981	N	5	N
TTY14	0.629174981	N	0	N
UBE2W	0.629174981	N	0	N
UCHL5	0.629174981	N	1	N
ADAMTS20	0.629191797	N	1	N
AL138878.2	0.629191797	N	0	N
CCT7P1	0.629191797	N	0	N
KRTCAP2	0.629191797	N	0	N
AC093010.3	0.629383299	N	0	N
ACTL10	0.629383299	N	0	N
JADE3	0.629383299	N	0	N
SMIM15	0.629383299	N	0	N
GMPS	0.629626577	N	1	N
PHAX	0.629626577	N	0	N
NDUFA6	0.629879252	N	2	N
AL592437.1	0.630076914	N	0	N
DHRS11	0.630076914	N	0	N
MYH10	0.630162547	N	2	N
AL353795.3	0.630282574	N	0	N
KCNJ9	0.630319216	N	1	N
AL445305.1	0.63032727	N	0	N
ASAP3	0.63032727	N	0	N
CXorf40A	0.63032727	N	0	N
DAW1	0.63032727	N	0	N
SETX	0.63032727	N	3	N
ACAP2	0.630373938	N	0	N
AL021707.8	0.630373938	N	0	N
AL512844.1	0.630373938	N	0	N
GART	0.630373938	N	1	N
LINC00472	0.630373938	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
PDPR	0.630373938	N	1	N
PSMD10	0.630373938	N	1	N
ATP2C2	0.630478189	N	0	N
CDX2	0.630478189	N	43	N
FAM114A1	0.630478189	N	0	N
GFPT1	0.630478189	N	10	N
NCEH1	0.630478189	N	3	N
SHKBP1	0.630478189	N	0	N
GOLGA8B	0.630974268	N	0	N
TCF3P1	0.630974268	N	0	N
LXN	0.631045687	N	0	N
C1RL	0.631122063	N	0	N
LINC01840	0.631122063	N	0	N
SALL3	0.631122063	N	0	N
TMEM101	0.631122063	N	0	N
SKIV2L2	0.631248982	N	0	N
CCNL1	0.631388009	N	6	N
CCNYL2	0.631395228	N	0	N
AC126118.1	0.631490919	N	0	N
C14orf79	0.631768033	N	0	N
CDC42SE2	0.631768033	N	0	N
DVL1	0.631768033	N	3	N
JADE1	0.631768033	N	0	N
PRMT2	0.631768033	N	0	N
TSR3	0.631768033	N	0	N
ADPRHL1	0.631834389	N	0	N
AL390195.1	0.631834389	N	0	N
AL513175.1	0.631834389	N	0	N
FUT1	0.631834389	N	0	N
KCNJ15	0.631834389	N	4	N
AC090241.1	0.631867006	N	0	N
ADPRHL2	0.631867006	N	0	N
C19orf66	0.631867006	N	0	N
GCHFR	0.631867006	N	0	N
LMOD1	0.631867006	N	0	N
MED14	0.631867006	N	1	N
PRSS2	0.631867006	N	2	N
SMPD1	0.631867006	N	65	N
SNAPIN	0.631867006	N	8	N
MPV17	0.63192201	N	1	N
CELSR1	0.631965054	N	0	N
NLRP1	0.631965054	N	1	N
SP110	0.631965054	N	0	N
API5P2	0.632012793	N	0	N
LRRC6	0.632035112	N	0	N
UQCRFS1P1	0.632035112	N	0	N
AC005943.1	0.632443851	N	0	N
AC006252.1	0.632443851	N	0	N
AC090340.1	0.632443851	N	0	N
AL162393.1	0.632443851	N	0	N
AL512625.3	0.632443851	N	0	N
ATP5J2	0.632443851	N	0	N
C19orf57	0.632443851	N	0	N
CCDC124	0.632443851	N	0	N
CXorf36	0.632443851	N	0	N
DDIT4	0.632443851	N	29	N
HACE1	0.632443851	N	1	N
HNRNPDL	0.632443851	N	0	N
LIME1	0.632443851	N	0	N
MCM10	0.632443851	N	0	N
NCOA4P3	0.632443851	N	0	N
NPAS4	0.632443851	N	7	N
SIN3B	0.632443851	N	0	N
SMIM14	0.632443851	N	1	N
SNTA1	0.632443851	N	0	N
TMEM200C	0.632443851	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
ZNF626	0.632443851	N	0	N
C2CD3	0.632501083	N	0	N
GTPBP2	0.632503898	N	0	N
EIF4E	0.632533527	N	389	Y
SIPA1L2	0.632624577	N	0	N
AP001372.2	0.632733736	N	0	N
PTGER3	0.632733736	N	10	N
PYHIN1	0.632733736	N	0	N
RCC2P6	0.632733736	N	0	N
SLIRP	0.632733736	N	0	N
SPG11	0.63275693	N	0	N
TAS2R5	0.63275693	N	0	N
BRMS1	0.632950308	N	1	N
AC087721.1	0.633212781	N	0	N
CHSY3	0.633212781	N	0	N
HS3ST5	0.633212781	N	0	N
LINGO1	0.633212781	N	0	N
STARD7-AS1	0.633212781	N	0	N
AC004854.2	0.633311529	N	0	N
VAMP4	0.633311529	N	9	N
CCDC190	0.633818059	N	0	N
UBQLN4P1	0.633911763	N	0	N
ALDH4A1	0.633923567	N	1	N
APOL6	0.634005132	N	0	N
SAMD4B	0.634005132	N	0	N
ACTG2	0.634109606	N	3	N
PIKFYVE	0.634109606	N	23	N
TXNL4A	0.634109606	N	1	N
BAX	0.634241488	N	902	Y
COX5AP2	0.634241488	N	0	N
LINC02367	0.634241488	N	0	N
MTSS1L	0.634241488	N	0	N
PAPSS2	0.634241488	N	2	N
POLDIP3	0.634241488	N	2	N
PP7080	0.634288797	N	0	N
DGKH	0.634490126	N	1	N
VPS39	0.634719339	N	0	N
UQCR10	0.635032931	N	1	N
BOLA1	0.635080652	N	0	N
AC010627.1	0.63518231	N	0	N
NFU1	0.635219445	N	0	N
OR5P3	0.635219445	N	0	N
TSTD1	0.635219445	N	0	N
SLC38A5	0.635226509	N	1	N
AC053481.2	0.635245541	N	0	N
COMMD6	0.635245541	N	1	N
FUS	0.635245541	N	16	N
LINC02302	0.635245541	N	0	N
PWP1	0.635245541	N	0	N
STX11	0.635245541	N	1	N
YME1L1	0.635245541	N	0	N
ZIK1	0.635245541	N	1	N
DHRS3	0.635388526	N	0	N
A4GALT	0.635399683	N	0	N
ABCB9	0.635399683	N	1	N
AC005381.1	0.635399683	N	0	N
AC015712.1	0.635399683	N	0	N
ATPAF2	0.635399683	N	0	N
GOT1	0.635399683	N	4	N
HDAC5	0.635399683	N	29	N
LRRIQ1	0.635399683	N	0	N
LTA4H	0.635399683	N	2	N
OSTM1	0.635399683	N	1	N
PDS5B	0.635399683	N	0	N
TRIM45	0.635399683	N	0	N
WWTR1	0.635399683	N	7	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
PI4KAP1	0.635440955	N	0	N
AC004917.1	0.635618352	N	0	N
KIAA1841	0.635618352	N	0	N
AP001347.1	0.635709494	N	0	N
FAT3	0.635861422	N	0	N
POLD4	0.635861422	N	1	N
TANGO2	0.635861422	N	0	N
AC078785.1	0.636082108	N	0	N
MRPL42	0.636327342	N	0	N
AL139300.1	0.63649804	N	0	N
AP001062.1	0.636675995	N	0	N
WTAP	0.636716161	N	2	N
FBXL3	0.636763237	N	1	N
XPR1	0.636916213	N	1	N
TMEM163	0.636971233	N	3	N
LRP8	0.637020278	N	2	N
MRPL23	0.637020278	N	4	N
PHF8	0.637020278	N	1	N
ZNF397	0.637020278	N	0	N
AC112907.3	0.637085024	N	0	N
ANKRD9	0.637085024	N	0	N
CYB5R3	0.637085024	N	0	N
ERCC6	0.637085024	N	6	N
GATM	0.637085024	N	2	N
GPX7	0.637085024	N	5	N
KIF3B	0.637085024	N	1	N
LINC01881	0.637085024	N	0	N
MIS12	0.637085024	N	0	N
RAPGEF3	0.637085024	N	29	N
RNF212	0.637085024	N	0	N
SLC35E4	0.637085024	N	0	N
TPH1	0.637085024	N	30	N
CDC40	0.637125106	N	0	N
FAM160A1	0.637125106	N	0	N
MTTP	0.637125106	N	46	N
SSBP4	0.637125106	N	0	N
CYS1	0.637187792	N	3	N
RGS7BP	0.63723304	N	0	N
AL161431.1	0.637395127	N	0	N
AC007383.2	0.637472948	N	0	N
CLTA	0.637472948	N	0	N
HLX-AS1	0.637472948	N	0	N
HMOX2	0.637472948	N	0	N
NOM1	0.637472948	N	2	N
LINC01560	0.637528821	N	0	N
ABHD12B	0.637582703	N	0	N
AC008752.3	0.637582703	N	0	N
AL022069.1	0.637582703	N	0	N
AL133355.1	0.637582703	N	0	N
AP002840.2	0.637582703	N	0	N
CARS	0.637582703	N	57	N
GBA2	0.637582703	N	0	N
MECP2	0.637582703	N	49	N
SETD1A	0.637582703	N	0	N
RAB39B	0.637667997	N	0	N
DNAAF3	0.637691354	N	0	N
RTN4R	0.637691354	N	0	N
TMEM78	0.637779099	N	0	N
DDX55	0.637891822	N	0	N
AL109618.1	0.638114894	N	0	N
IGSF5	0.638114894	N	0	N
DMAC2	0.638185517	N	0	N
ACOX3	0.638218989	N	2	N
LINC01554	0.638218989	N	0	N
PSEN2	0.638218989	N	9	N
RUFY1	0.638218989	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
ZNF563	0.638218989	N	0	N
ZNF638	0.638218989	N	0	N
ABCC5	0.638374762	N	3	N
AL390860.1	0.638374762	N	0	N
C10orf55	0.638374762	N	0	N
CHMP1A	0.638374762	N	1	N
TBCA	0.638374762	N	1	N
CDC16	0.638381956	N	18	N
SMNDC1	0.638482474	N	1	N
SMARCE1P1	0.638595188	N	0	N
ADAMTS7	0.638598312	N	0	N
SIRPAP1	0.638598312	N	0	N
AC145207.5	0.638632945	N	0	N
FGD5-AS1	0.638632945	N	0	N
AC068888.1	0.638968108	N	0	N
AC233279.1	0.638968939	N	0	N
AL355574.1	0.639111995	N	0	N
SPCS2P4	0.639111995	N	0	N
AC010148.1	0.639116462	N	0	N
MEGF9	0.639116462	N	0	N
CMKLR1	0.639213074	N	32	N
PTGER1	0.639371468	N	4	N
C20orf96	0.63943614	N	0	N
CEP57	0.639538673	N	1	N
TRBC2	0.63954304	N	0	N
AL590705.5	0.639554806	N	0	N
JOSD1	0.639554806	N	0	N
YARS2	0.639554806	N	0	N
ABCA9	0.639566386	N	0	N
TBP	0.639737261	N	37	N
TIMM8A	0.639737261	N	0	N
AF131215.4	0.639825345	N	0	N
ARID2	0.639864907	N	0	N
C11orf57	0.640005888	N	0	N
IER5	0.640005888	N	1	N
RPL17P50	0.640005888	N	0	N
SUGP1	0.640005888	N	0	N
VBP1	0.640005888	N	0	N
ADNP2	0.640030187	N	0	N
SLITRK1	0.640030187	N	0	N
PLEKHG4B	0.640043631	N	0	N
AC010336.1	0.640213869	N	0	N
AC025539.1	0.64022893	N	0	N
MRPS30	0.640267192	N	1	N
TG	0.640376227	N	1000	Y
AL590438.1	0.640429773	N	0	N
SLC25A3	0.640429773	N	1	N
UBR1	0.640429773	N	1	N
CHRNB4	0.640639079	N	1	N
EIF4H	0.640721847	N	0	N
SNW1	0.640721847	N	0	N
AL034548.1	0.640779291	N	0	N
ARHGDI1A	0.640907869	N	3	N
TSTD2	0.640907869	N	0	N
SPOCK1	0.641658069	N	1	N
AC132008.2	0.641699967	N	0	N
AL356292.1	0.641699967	N	0	N
AL356317.1	0.641699967	N	0	N
AL359921.1	0.641699967	N	0	N
COPS8P2	0.641699967	N	0	N
NCOA6	0.641699967	N	8	N
SAP30L-AS1	0.641699967	N	0	N
SMURF2	0.641699967	N	2	N
WNT7B	0.641699967	N	2	N
NME5	0.641753718	N	0	N
MRPS34	0.641764628	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC253576.1	0.641842532	N	0	N
ATP2C1	0.641842532	N	3	N
ATP1B1	0.6419273	N	1	N
UBL7	0.641935563	N	0	N
NAF1	0.642298534	N	0	N
PIN4P1	0.642298534	N	0	N
RN7SKP9	0.642298534	N	0	N
AC079594.2	0.642333043	N	0	N
NAA35	0.642543049	N	0	N
ANXA3	0.642777433	N	0	N
CAPN10	0.642777433	N	71	N
SRPX2	0.642777433	N	0	N
CEBPG	0.642876538	N	0	N
TAP2	0.642952108	N	23	N
AC004039.1	0.643018833	N	0	N
MOK	0.643163781	N	65	N
SAP18	0.643163781	N	0	N
SNX13	0.643190271	N	0	N
NEURL4	0.643225584	N	0	N
P3H1	0.643267356	N	0	N
AC107027.3	0.643418344	N	0	N
GOLGA2P11	0.643418344	N	0	N
EVPL	0.643438678	N	0	N
AOAH	0.643474964	N	0	N
HIPK4	0.64360541	N	0	N
PSG2	0.643634426	N	0	N
AC120114.5	0.643844735	N	0	N
ARMCX4	0.643844735	N	0	N
SDAD1P2	0.643844735	N	0	N
C17orf100	0.643847112	N	0	N
ISOC1	0.643847112	N	0	N
ST3GAL1	0.644148207	N	0	N
AC083964.1	0.644185997	N	0	N
MAGOH	0.644310503	N	0	N
AL031847.1	0.644358091	N	0	N
AC121493.1	0.644430371	N	0	N
P2RY2	0.644618665	N	6	N
Z97200.1	0.644618665	N	0	N
AC097374.2	0.644985499	N	0	N
ADSL	0.644985499	N	1	N
AMIGO3	0.644985499	N	0	N
B3GALNT2	0.644985499	N	0	N
DHODH	0.644985499	N	0	N
EHMT1	0.644985499	N	3	N
EPHA7	0.644985499	N	2	N
KLHL25	0.644985499	N	0	N
MAMDC2-AS1	0.644985499	N	0	N
RBM28	0.644985499	N	0	N
RP4-614O4.12	0.644985499	N	0	N
SOCS2	0.644985499	N	106	Y
STYX	0.644985499	N	0	N
TUSC3	0.644985499	N	2	N
UBAP2	0.644985499	N	0	N
UFSP1	0.644985499	N	1	N
PSD4	0.645037229	N	0	N
AC005077.4	0.645142669	N	0	N
AC022336.3	0.645142669	N	0	N
GFER	0.645142669	N	2	N
HDHD3	0.645142669	N	0	N
OAZ2	0.645142669	N	0	N
TAZ	0.645142669	N	33	N
VNN1	0.645142669	N	3	N
ANKRD30BP2	0.645238233	N	0	N
MIR31HG	0.645238233	N	0	N
BRWD1P2	0.645345747	N	0	N
RN7SL5P	0.645345747	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
SLC30A5	0.645345747	N	4	N
WBP1L	0.645345747	N	0	N
SDHAF4	0.645359587	N	0	N
AC027801.1	0.645379499	N	0	N
MOGS	0.645379499	N	0	N
ZFR2	0.645379499	N	0	N
ZP3	0.645379499	N	4	N
LIMS1	0.645516608	N	2	N
SEC24B-AS1	0.645516608	N	0	N
AC097468.3	0.645585806	N	0	N
BRD2	0.645585806	N	11	N
CRNDE	0.645585806	N	3	N
ERGIC3	0.645585806	N	0	N
MTND1P32	0.645585806	N	0	N
NHSL2	0.645585806	N	0	N
ZNF273	0.645585806	N	0	N
HADHAP2	0.645916393	N	0	N
ILF3	0.645916393	N	1	N
AL137782.1	0.646326555	N	0	N
DMTF1	0.646326555	N	0	N
LPIN3	0.646326555	N	0	N
RD3	0.646326555	N	1	N
RN7SKP258	0.646326555	N	0	N
Z97832.2	0.646326555	N	0	N
DAPP1	0.646432201	N	2	N
PSMG1	0.646432201	N	1	N
SON	0.646432201	N	439	Y
AC010487.2	0.64662777	N	0	N
C19orf81	0.64662777	N	0	N
CHIA	0.646700353	N	152	Y
MTND5P14	0.646700353	N	0	N
UBE2FP2	0.646871931	N	0	N
WTAPP1	0.646871931	N	0	N
AC090517.2	0.646907709	N	0	N
AC034229.4	0.64694817	N	0	N
ASB7	0.64694817	N	0	N
CATSPER3	0.64694817	N	0	N
CU633967.1	0.64694817	N	0	N
FOLR3	0.64694817	N	2	N
HIC2	0.64694817	N	0	N
IFI27	0.64694817	N	1	N
KCTD12	0.64694817	N	2	N
KIAA1211L	0.64694817	N	0	N
KMO	0.64694817	N	4	N
KRT32	0.64694817	N	0	N
LINC01197	0.64694817	N	0	N
PFDN4	0.64694817	N	1	N
PLEKHM1P1	0.64694817	N	0	N
RTCA-AS1	0.64694817	N	0	N
SERTAD4-AS1	0.64694817	N	0	N
SNX33	0.64694817	N	0	N
TCF4	0.64694817	N	256	Y
WWC2-AS2	0.64694817	N	0	N
XIRP2	0.64694817	N	2	N
Z84485.1	0.64694817	N	0	N
SRC	0.64698022	N	1000	Y
TMEM201	0.64698022	N	0	N
AC084018.2	0.647136047	N	0	N
PRKCI	0.647305717	N	1	N
AC091230.1	0.647339853	N	0	N
IL13RA2	0.647339853	N	2	N
AC002553.1	0.64741404	N	0	N
AC092171.3	0.64741404	N	0	N
AC092794.1	0.64741404	N	0	N
AL356968.2	0.64741404	N	0	N
CNP	0.64741404	N	69	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
EGLN3	0.64741404	N	7	N
EI24P2	0.64741404	N	0	N
GNA15	0.64741404	N	0	N
ITGA4	0.64741404	N	2	N
KLF2	0.64741404	N	15	N
TFAP2A	0.64741404	N	66	N
AHCTF1	0.647421604	N	0	N
LDHBP1	0.647466531	N	0	N
MSTO1	0.647466531	N	0	N
AC079315.1	0.647707369	N	0	N
ADGRA2	0.647756445	N	0	N
AL136126.1	0.647756445	N	0	N
DNAJC28	0.647756445	N	1	N
THRIL	0.647824729	N	1	N
ITGAX	0.647901693	N	11	N
LSP1P3	0.648054513	N	0	N
AC020549.1	0.64819812	N	0	N
KRR1	0.64819812	N	2	N
WNT16	0.64819812	N	4	N
IGF2BP2-AS1	0.648216986	N	0	N
JDP2	0.648216986	N	0	N
PES1P2	0.648216986	N	0	N
SLC12A5	0.648216986	N	2	N
AC008434.1	0.648223438	N	0	N
AC103796.1	0.648223438	N	0	N
AKIP1	0.648223438	N	0	N
ERICH6-AS1	0.648223438	N	0	N
SLFN12L	0.648223438	N	0	N
TSPAN1	0.648223438	N	1	N
RBM8A	0.648482174	N	0	N
AC024075.2	0.648598878	N	0	N
AC136604.2	0.648598878	N	0	N
AC242426.4	0.648598878	N	0	N
AL078645.2	0.648598878	N	0	N
AL080317.1	0.648598878	N	0	N
AL136162.1	0.648598878	N	0	N
AL137127.1	0.648598878	N	0	N
ASB18	0.648598878	N	0	N
ATF4	0.648598878	N	159	Y
BHLHE40	0.648598878	N	18	N
CCDC18-AS1	0.648598878	N	0	N
CDH3	0.648598878	N	3	N
CMBL	0.648598878	N	13	N
HLA-L	0.648598878	N	0	N
HNRNPC	0.648598878	N	0	N
KDM4A	0.648598878	N	0	N
LRRC8C	0.648598878	N	0	N
METTL22	0.648598878	N	0	N
MTURN	0.648598878	N	0	N
PHF20L1	0.648598878	N	0	N
RNF25	0.648598878	N	0	N
RPS6P25	0.648598878	N	0	N
SMAP1	0.648598878	N	0	N
TTI1	0.648598878	N	1	N
ZNF76	0.648598878	N	0	N
PLPP5	0.648614393	N	0	N
AL512770.1	0.648704346	N	0	N
LRP12	0.648924697	N	1	N
AC011477.3	0.64899655	N	0	N
WNT11	0.64899655	N	7	N
ANKRD27	0.649129886	N	0	N
SPTLC2	0.649129886	N	5	N
AC092073.1	0.649187527	N	0	N
AL353678.1	0.649187527	N	0	N
AP005242.4	0.649187527	N	0	N
BX322639.1	0.649187527	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
C1QBP	0.649187527	N	6	N
DES11	0.649187527	N	0	N
DGKA	0.649187527	N	2	N
MTCYBP32	0.649187527	N	0	N
RANBP10	0.649187527	N	0	N
SECTM1	0.649187527	N	0	N
THG1L	0.649187527	N	0	N
TNRC6B	0.649187527	N	1	N
AC007497.1	0.649196276	N	0	N
AL356273.3	0.649196276	N	0	N
LINC00689	0.649196276	N	0	N
MRPS25	0.649232162	N	0	N
HSF4	0.649236469	N	2	N
UBXN4	0.649236469	N	0	N
C1orf27	0.649241595	N	0	N
AC011455.3	0.6493841	N	0	N
AC025265.1	0.6493841	N	0	N
AC016205.1	0.649592358	N	0	N
ADD1	0.649592358	N	40	N
AL391647.1	0.649592358	N	0	N
E2F3	0.649592358	N	12	N
EPHB2	0.649592358	N	7	N
GREB1L	0.649592358	N	0	N
AC090220.1	0.649672163	N	0	N
FARP1	0.649672163	N	0	N
RUNDC3A	0.649672163	N	0	N
HNRNPH3	0.649753215	N	0	N
AC012370.1	0.649775989	N	0	N
AC016734.1	0.649865956	N	0	N
RN7SL145P	0.64990074	N	0	N
AC135279.2	0.649941904	N	0	N
C12orf10	0.649941904	N	0	N
NRBP2	0.649941904	N	0	N
PPT2	0.649941904	N	0	N
RP11-972P1.7	0.649941904	N	0	N
TCL6	0.649941904	N	0	N
TONSL-AS1	0.649941904	N	0	N
FBXO36	0.650646989	N	0	N
KRT8P33	0.650658546	N	0	N
AC004918.1	0.650873233	N	0	N
CERCAM	0.650873233	N	0	N
OGFOD3	0.650873233	N	1	N
MAST4	0.650939672	N	0	N
NBEAP3	0.650939672	N	0	N
VN1R2	0.651043111	N	0	N
ATP5F1P5	0.651194129	N	0	N
CWF19L2	0.651194129	N	0	N
AC139792.1	0.651331947	N	0	N
LRRC1	0.651603875	N	0	N
SPRTN	0.651603875	N	0	N
PSMD5	0.65163449	N	0	N
MAP3K4	0.651707513	N	0	N
SATB1-AS1	0.651707513	N	0	N
TMEM64	0.651707513	N	0	N
FAM124A	0.65178673	N	0	N
SYT2	0.65178673	N	3	N
ALDH1L1	0.651862847	N	2	N
IMMT	0.651862847	N	0	N
RNASEH1	0.651862847	N	0	N
NKX6-2	0.651889432	N	13	N
TMLHE	0.651889432	N	0	N
AC022150.4	0.651899766	N	0	N
CSRP2	0.651899766	N	1	N
ZNF654	0.651899766	N	0	N
BET1	0.651960125	N	0	N
AC087752.3	0.652158348	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
MEIS3	0.652158348	N	5	N
PHB	0.652158348	N	25	N
POLR3DP1	0.652158348	N	0	N
RYR1	0.652158348	N	96	N
AL513314.2	0.65227497	N	0	N
CELSR2	0.65227497	N	4	N
NDRG4	0.65227497	N	2	N
SMG6	0.65227497	N	3	N
TTC21A	0.65227497	N	0	N
AC021078.1	0.652342992	N	0	N
AC068620.3	0.652342992	N	0	N
BTA1F1	0.652342992	N	0	N
CD99L2	0.652342992	N	0	N
NABP2	0.652342992	N	0	N
NTAN1P2	0.652342992	N	0	N
RPL30P3	0.652342992	N	0	N
NFYC	0.652347852	N	1	N
TEK	0.652770951	N	20	N
FGF4	0.652979887	N	15	N
CNTD2	0.653504595	N	0	N
AC012493.1	0.653516592	N	0	N
COL16A1	0.653516592	N	0	N
FADS2	0.653516592	N	37	N
GOLGA2P5	0.653516592	N	0	N
ITGA9	0.653516592	N	1	N
ITGB7	0.653516592	N	0	N
MDGA2	0.653516592	N	0	N
PAK4	0.653516592	N	3	N
PREP	0.653516592	N	43	N
SNED1	0.653516592	N	0	N
TMEM92	0.653516592	N	0	N
ZNF227	0.653516592	N	0	N
DYNLT1	0.653529307	N	1	N
AC233992.2	0.653887798	N	0	N
BTBD6P1	0.653887798	N	0	N
AC025186.1	0.653899047	N	0	N
ARL8B	0.653899047	N	1	N
IFNE	0.653899047	N	0	N
PUS3	0.653899047	N	0	N
ZNF672	0.653899047	N	0	N
AC062029.1	0.654087572	N	0	N
APLN	0.654087572	N	276	Y
DCAF17	0.654087572	N	1	N
REN	0.654087572	N	1000	Y
AC092354.2	0.654135362	N	0	N
BCL3	0.654135362	N	7	N
DVL3	0.654135362	N	1	N
DYNLT3P2	0.654135362	N	0	N
GOT2	0.654135362	N	5	N
LINC00612	0.654135362	N	0	N
MRPL15	0.654135362	N	0	N
AL365181.3	0.654160773	N	0	N
AL031666.1	0.65423916	N	0	N
SLC35E3	0.65423916	N	0	N
GCDH	0.654298045	N	0	N
RABGAP1L-IT1	0.654347353	N	0	N
FBRSL1	0.654446343	N	0	N
FLT1	0.654446343	N	39	N
AL022394.1	0.654455064	N	0	N
BANF1P3	0.654455064	N	0	N
PQLC3	0.654455064	N	0	N
REEP5	0.654455064	N	0	N
RSU1	0.654462056	N	0	N
SDHCP4	0.654462056	N	0	N
DEUP1	0.654521406	N	0	N
TLNRD1	0.654822381	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
KCNJ11	0.65511924	N	464	Y
BACH1-AS1	0.655134337	N	0	N
DEPDC1-AS1	0.655134337	N	0	N
MEF2B	0.655134337	N	4	N
METTL8P1	0.655134337	N	0	N
MPV17L2	0.655134337	N	0	N
MSI1	0.655134337	N	2	N
NFKBIE	0.655134337	N	2	N
PUM3	0.655134337	N	0	N
RASA4B	0.655134337	N	0	N
RMDN2	0.655134337	N	0	N
RSF1	0.655134337	N	0	N
TEPP	0.655134337	N	1	N
ZCCHC18	0.655134337	N	0	N
AC019226.1	0.655472395	N	0	N
AC091965.5	0.655551639	N	0	N
EFNA5	0.655551639	N	0	N
INTS8	0.655551639	N	0	N
AC009005.1	0.655612886	N	0	N
AL355863.1	0.655612886	N	0	N
IMPDH1P8	0.655612886	N	0	N
DGKZP1	0.655651755	N	0	N
AC007126.1	0.656170199	N	0	N
FAIM	0.656170199	N	5	N
NMNAT1P3	0.656235251	N	0	N
MAK16	0.656251891	N	0	N
ADAM9	0.656378891	N	6	N
C12orf60	0.656378891	N	0	N
EDEM1	0.656378891	N	4	N
HNRNPU	0.656378891	N	1	N
IGBP1-AS1	0.656378891	N	0	N
NCKAP5L	0.656378891	N	0	N
CTAGE12P	0.656380211	N	0	N
NPR1	0.656414746	N	6	N
PPP2R3A	0.656419421	N	0	N
ITGAL	0.656812697	N	0	N
UTP23	0.656924926	N	1	N
ZDHHC20	0.656939445	N	0	N
DYNLL2	0.657001873	N	0	N
FGF14-AS2	0.657001873	N	0	N
KIF1BP	0.657001873	N	0	N
TPI1P1	0.65708659	N	0	N
AL590652.1	0.657399197	N	0	N
KLHL41	0.657408794	N	0	N
NXN	0.657408794	N	0	N
PES1	0.657408794	N	2	N
AC074033.1	0.657482238	N	0	N
AC024581.2	0.657587779	N	0	N
AL357060.2	0.657587779	N	0	N
CPNE2	0.657587779	N	0	N
DDHD1	0.657587779	N	1	N
GLI2	0.657587779	N	18	N
ORAI3	0.657587779	N	2	N
AC079866.2	0.657651969	N	0	N
DGKZ	0.657684566	N	0	N
AC023050.4	0.657878669	N	0	N
AC026471.4	0.657878669	N	0	N
AC093591.2	0.657878669	N	0	N
AL512306.2	0.657878669	N	0	N
AP001160.3	0.657878669	N	0	N
DCAF16	0.657878669	N	0	N
ECHS1	0.657878669	N	2	N
GRAMD1B	0.657878669	N	0	N
GRWD1	0.657878669	N	2	N
HOMER1	0.657878669	N	1	N
INTS10	0.657878669	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
LINC00619	0.657878669	N	0	N
LRRC43	0.657878669	N	0	N
MAN2B2	0.657878669	N	0	N
MPP3	0.657878669	N	0	N
MRPL41	0.657878669	N	0	N
MYO16	0.657878669	N	2	N
NCAM2	0.657878669	N	0	N
SLC19A1	0.657878669	N	4	N
VN1R81P	0.657878669	N	0	N
ZNF815P	0.657878669	N	0	N
AL133412.1	0.65829354	N	0	N
RTL9	0.658432822	N	0	N
HNRNPDL2	0.658564991	N	0	N
MLX	0.658564991	N	68	N
MS4A2	0.658564991	N	1	N
SERPINE1	0.658564991	N	141	Y
ZSWIM5P3	0.65866379	N	0	N
HSPB2-C11orf52	0.658750034	N	0	N
LINC01441	0.658750034	N	0	N
MMP23B	0.658750034	N	0	N
AC079684.1	0.658754389	N	0	N
OPHN1	0.658754389	N	0	N
TIMM50	0.658849028	N	0	N
AC025594.3	0.658858228	N	0	N
AL365181.2	0.658858228	N	0	N
EEP1	0.658858228	N	0	N
ZBTB21	0.658858228	N	0	N
UBL4B	0.658919151	N	0	N
MEG8	0.659095622	N	0	N
PIK3CDP1	0.659095622	N	0	N
RCL1	0.659095622	N	0	N
ZKSCAN7	0.659095622	N	0	N
ABI3BP	0.659103364	N	0	N
AC090826.1	0.659103364	N	0	N
AC124312.5	0.659103364	N	0	N
ATP6V1E2	0.659103364	N	0	N
BOLA3P1	0.659103364	N	0	N
C12orf76	0.659103364	N	0	N
DLAT	0.659103364	N	1	N
EIF1AY	0.659103364	N	1	N
MRPL48	0.659103364	N	0	N
RPL31P63	0.659103364	N	0	N
ZNF551	0.659103364	N	0	N
BNIP1	0.659152567	N	0	N
ADCY1	0.659187825	N	3	N
AL035555.1	0.659187825	N	0	N
CTTNBP2	0.659187825	N	1	N
DAPK1	0.659187825	N	7	N
KRT18P61	0.659187825	N	0	N
LIN52	0.659187825	N	0	N
RPL17-C18orf32	0.659187825	N	0	N
AC156455.1	0.659192838	N	0	N
AGO4	0.659192838	N	0	N
BMF	0.659192838	N	10	N
ETFA	0.659192838	N	2	N
LINC01424	0.659192838	N	0	N
LOXL1-AS1	0.659192838	N	0	N
NMB	0.659192838	N	47	N
PRR13P5	0.659192838	N	0	N
SEPT7P7	0.659192838	N	0	N
SLC4A3	0.659192838	N	1	N
THUMPD1P1	0.659192838	N	0	N
AC008982.1	0.659231376	N	0	N
AL513329.1	0.659283912	N	0	N
AC005288.1	0.659314224	N	0	N
AC026992.2	0.659314224	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC097478.1	0.659314224	N	0	N
AC112198.4	0.659314224	N	0	N
AC135050.7	0.659314224	N	0	N
AL353692.3	0.659314224	N	0	N
ATF6B	0.659314224	N	1	N
BLK	0.659314224	N	13	N
BORCS8-MEF2B	0.659314224	N	0	N
C18orf63	0.659314224	N	0	N
CAPS2	0.659314224	N	5	N
CLEC2B	0.659314224	N	0	N
CNNM4	0.659314224	N	1	N
CRIP3	0.659314224	N	0	N
DCXR	0.659314224	N	1	N
DNAJA1P3	0.659314224	N	0	N
EIF5A	0.659314224	N	11	N
EMG1	0.659314224	N	1	N
ERVK13-1	0.659314224	N	0	N
FILIP1	0.659314224	N	0	N
GP1BB	0.659314224	N	0	N
GTPBP3	0.659314224	N	0	N
LINC00672	0.659314224	N	0	N
LNP1	0.659314224	N	0	N
M6PR	0.659314224	N	16	N
MRPL35P1	0.659314224	N	0	N
OSCAR	0.659314224	N	39	N
PGBD3	0.659314224	N	1	N
RPS15AP30	0.659314224	N	0	N
SIL1	0.659314224	N	2	N
SIX4	0.659314224	N	1	N
SLC16A9	0.659314224	N	2	N
SLC6A9	0.659314224	N	2	N
SP4	0.659314224	N	11	N
SPATA5L1	0.659314224	N	0	N
SRRM3	0.659314224	N	0	N
SULF1	0.659314224	N	2	N
TCOF1	0.659314224	N	0	N
TGS1	0.659314224	N	0	N
TIMM17B	0.659314224	N	0	N
TM9SF3	0.659314224	N	1	N
TMEM240	0.659314224	N	0	N
AC108688.1	0.659381474	N	0	N
ANKRD62	0.659381474	N	0	N
NFE2L3	0.659381474	N	1	N
ZBED8	0.659381474	N	0	N
AL159169.2	0.659464133	N	0	N
NUAK1	0.659464133	N	6	N
AP000662.2	0.65950225	N	0	N
BTG3	0.65950225	N	0	N
RN7SL517P	0.65950225	N	0	N
UBE2G2	0.65950225	N	1	N
SLC26A1	0.65957306	N	0	N
BAK1P1	0.6596196	N	0	N
MORC3	0.659620169	N	0	N
PLEKHH1	0.659620169	N	1	N
SRXN1	0.659620169	N	0	N
WHAMMP2	0.659713636	N	0	N
VN1R83P	0.65979574	N	0	N
FOXS1	0.659849104	N	0	N
HNRNPU-AS1	0.659896758	N	0	N
KLHDC2	0.659896758	N	0	N
RPF2P1	0.659896758	N	0	N
AC008040.1	0.659979513	N	0	N
AL807752.5	0.659979513	N	0	N
CMPK2	0.659979513	N	0	N
EDC4	0.659979513	N	0	N
TAF1D	0.659979513	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
TXNDC11	0.659979513	N	0	N
LGR4	0.660290881	N	9	N
LINC01930	0.660290881	N	0	N
IFITM10	0.6603066	N	0	N
ZNF768	0.6603066	N	0	N
AC091013.1	0.660327716	N	0	N
AL139095.2	0.660327716	N	0	N
AC104212.1	0.660454589	N	0	N
AL157396.1	0.660454589	N	0	N
BLOC1S5-TXNDC5	0.660454589	N	0	N
CDC6	0.660454589	N	4	N
FBXO21	0.660454589	N	0	N
HSPA8P1	0.660454589	N	0	N
SZRD1	0.660454589	N	0	N
ZNF969P	0.660454589	N	0	N
AL353719.1	0.660495664	N	0	N
AL591845.1	0.660495664	N	0	N
CUL5	0.660495664	N	1	N
HMGB3P22	0.660495664	N	0	N
MSLN	0.660495664	N	3	N
ADPRM	0.660559418	N	0	N
PROS1	0.660559418	N	0	N
AC007878.1	0.66065218	N	0	N
AC018620.1	0.66065218	N	0	N
AD001527.2	0.66065218	N	0	N
AL049650.1	0.66065218	N	0	N
AL121906.2	0.66065218	N	0	N
C16orf46	0.66065218	N	0	N
C1orf140	0.66065218	N	0	N
CLPX	0.66065218	N	0	N
CSMD3	0.66065218	N	0	N
LINC00562	0.66065218	N	0	N
MAPK12	0.66065218	N	1	N
MYCBP2-AS1	0.66065218	N	0	N
MYH3	0.66065218	N	6	N
PTPN3	0.66065218	N	3	N
RIC8A	0.66065218	N	0	N
SV2B	0.66065218	N	2	N
TERT	0.66065218	N	259	Y
TRMT10C	0.66065218	N	0	N
ZDHHC16	0.66065218	N	0	N
GPR176	0.660785373	N	0	N
APTX	0.660870194	N	1	N
MIIIP	0.661013696	N	4	N
FAM32A	0.661082705	N	0	N
AC096636.1	0.661102643	N	0	N
AC099521.3	0.661102643	N	0	N
CROT	0.661102643	N	4	N
METTL21AP1	0.661102643	N	0	N
UBQLN2	0.661102643	N	1	N
AC127070.4	0.661127393	N	0	N
ZNF764	0.661441114	N	0	N
RGP1	0.66198662	N	0	N
AC234582.2	0.661989473	N	0	N
AP005482.3	0.661989473	N	0	N
KPNA6	0.661989473	N	0	N
MCM6	0.661989473	N	7	N
TRDMT1	0.661989473	N	0	N
YTHDF1P1	0.661989473	N	0	N
RAB5A	0.662095828	N	9	N
CORO6	0.662196461	N	0	N
AC011337.1	0.662346401	N	0	N
HMGA1P4	0.662439053	N	0	N
AC138761.4	0.662576889	N	0	N
AL023280.1	0.662576889	N	0	N
AL451062.2	0.662576889	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
C9orf50	0.662576889	N	0	N
MKL2	0.662576889	N	2	N
PHLPP1	0.662576889	N	17	N
POSTN	0.662576889	N	11	N
SNRPD2P1	0.662576889	N	0	N
FLNA	0.6625934	N	6	N
GLI1	0.662684517	N	50	N
FAM160B2	0.662895903	N	0	N
FAM198A	0.662895903	N	0	N
SHISA4	0.662903964	N	0	N
AC004884.1	0.662972062	N	0	N
CORO7	0.662972062	N	0	N
KCNG1	0.662972062	N	0	N
MCFD2P1	0.662972062	N	0	N
MKLN1-AS	0.662972062	N	0	N
MRPL36	0.662972062	N	0	N
MRPS21	0.662972062	N	0	N
GRB14	0.663003691	N	71	N
ACLY	0.663232375	N	29	N
AL034546.1	0.663232375	N	0	N
AL158163.2	0.663232375	N	0	N
RNF208	0.663232375	N	0	N
STK11	0.663272432	N	108	Y
ADAM8	0.66327824	N	2	N
CERKL	0.66327824	N	1	N
CHADL	0.66327824	N	0	N
LIPT2	0.66327824	N	0	N
ANKRD13A	0.66338544	N	0	N
B3GNT4	0.66338544	N	0	N
SMYD3-IT1	0.66338544	N	0	N
AC009113.1	0.663410049	N	0	N
AL121594.3	0.663410049	N	0	N
CBLN2	0.663410049	N	0	N
CLN8	0.663410049	N	1	N
TBPL2	0.663410049	N	1	N
ZMAT1	0.663410049	N	0	N
AC010326.4	0.663423019	N	0	N
AC020663.3	0.663423019	N	0	N
AC098617.1	0.663423019	N	0	N
AC098936.1	0.663423019	N	0	N
C20orf144	0.663423019	N	0	N
CACNA1H	0.663423019	N	4	N
E2F2	0.663423019	N	9	N
EXOSC10	0.663423019	N	0	N
FARSBP1	0.663423019	N	0	N
GATB	0.663423019	N	0	N
GRAP2	0.663423019	N	0	N
KDM2B	0.663423019	N	0	N
LINC02397	0.663423019	N	0	N
MED14OS	0.663423019	N	0	N
NME6	0.663423019	N	0	N
RP11-435O5.2	0.663423019	N	0	N
RPS4Y1	0.663423019	N	1	N
RUSC1-AS1	0.663423019	N	0	N
URGCP	0.663423019	N	0	N
ZBTB42	0.663423019	N	2	N
EVI2B	0.663471828	N	0	N
ETFDH	0.663671283	N	3	N
PFN1P2	0.663911172	N	0	N
KRT8P46	0.664036438	N	0	N
AC004801.2	0.664048733	N	0	N
NDUFAF1	0.664048733	N	1	N
ZNF572	0.664048733	N	0	N
ERC1	0.664071033	N	0	N
RUSC1	0.664203637	N	0	N
TC2N	0.664209982	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
TNFSF11	0.664209982	N	66	N
TSPOAP1	0.664209982	N	0	N
WDR47	0.664209982	N	0	N
ZNF35	0.664209982	N	0	N
EFHD2	0.664336294	N	0	N
LINC01600	0.664336294	N	0	N
PPP1R11	0.664461196	N	2	N
ZBTB37	0.664566434	N	0	N
ZMPSTE24	0.664566434	N	13	N
LINC00384	0.664613187	N	0	N
FSIP1	0.664664236	N	0	N
AP002884.3	0.664696104	N	0	N
NTNG2	0.664696104	N	0	N
NUDT6	0.664696104	N	0	N
PTGES3P1	0.664696104	N	0	N
RN7SL75P	0.664696104	N	0	N
SETD8P1	0.664696104	N	0	N
SNORD17	0.664696104	N	0	N
WDR86	0.664696104	N	0	N
ZNF493	0.664696104	N	0	N
PNO1	0.664707736	N	0	N
AC009090.5	0.66501766	N	0	N
MRPS31P5	0.66501766	N	0	N
NSFLIC	0.665096816	N	0	N
ABCA6	0.665229284	N	3	N
AC099778.1	0.665229284	N	0	N
GCC1	0.665229284	N	1	N
RPL7P9	0.665229284	N	0	N
APPL1	0.665297985	N	87	N
DENR	0.665297985	N	0	N
GOLPH3L	0.665297985	N	0	N
PLAG1	0.665297985	N	29	N
SOX2-OT	0.665297985	N	0	N
TM4SF1-AS1	0.665297985	N	0	N
AC008026.2	0.665306471	N	0	N
DDRK1	0.665306471	N	0	N
AC006978.1	0.665403063	N	0	N
AC015922.4	0.665403063	N	0	N
ALG9	0.665403063	N	0	N
BDP1	0.665403063	N	0	N
CIPC	0.665403063	N	0	N
GNB1	0.665403063	N	1	N
MELTF-AS1	0.665403063	N	0	N
OS9	0.665403063	N	2	N
RNF13	0.665403063	N	0	N
RPN1	0.665403063	N	1	N
SYTL3	0.665403063	N	0	N
TM7SF3	0.665403063	N	1	N
TRPM6	0.665403063	N	14	N
VPS54	0.665403063	N	0	N
VSIG1	0.665403063	N	0	N
LINC01619	0.665528347	N	0	N
SNORD15A	0.665677402	N	0	N
AC116407.4	0.665710949	N	0	N
AC009961.1	0.665726094	N	0	N
CES4A	0.665726094	N	0	N
MYOZ3	0.665726094	N	1	N
TMEM167A	0.665726094	N	0	N
EHMT2	0.665771979	N	5	N
FCGRT	0.665771979	N	2	N
LAMB4	0.665771979	N	0	N
LCORL	0.665771979	N	1	N
LUC7L2	0.665771979	N	0	N
TIGD1	0.665771979	N	0	N
AC108002.1	0.666007206	N	0	N
KCNQ3	0.666007206	N	1	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
MGAT1	0.666007206	N	9	N
RIC3	0.666007206	N	0	N
UACA	0.666007206	N	1	N
UQCC1	0.666007206	N	0	N
KCNH2	0.666043585	N	9	N
CORO2A	0.666055068	N	0	N
AC126773.4	0.666143616	N	0	N
DNM1P51	0.666143616	N	0	N
MTHFD2	0.666143616	N	0	N
ZNF195	0.666143616	N	1	N
SERTAD3	0.666267081	N	0	N
AC011611.5	0.666440917	N	0	N
AC015656.1	0.666440917	N	0	N
AC015813.5	0.666440917	N	0	N
AL132655.2	0.666440917	N	0	N
DCDC1	0.666440917	N	0	N
EGR2	0.666440917	N	22	N
HERC2	0.666440917	N	0	N
HKDC1	0.666440917	N	5	N
RHOV	0.666440917	N	0	N
AC026191.1	0.666493881	N	0	N
HDHD5	0.666493881	N	0	N
INTS6L	0.666774429	N	0	N
AC010636.2	0.66701419	N	0	N
API5P1	0.66701419	N	0	N
AGAP2	0.66729597	N	5	N
DDN-AS1	0.66729597	N	0	N
MKS1	0.66729597	N	1	N
RP11-28F1.2	0.667306417	N	0	N
LINC00221	0.667359704	N	0	N
SLC39A11	0.667374577	N	1	N
ANKRD36	0.667750109	N	0	N
ARAP1	0.667750109	N	7	N
C1orf167	0.667750109	N	0	N
NUP188	0.667750109	N	0	N
OAF	0.667750109	N	1	N
SVBP	0.667750109	N	0	N
TCEA1P4	0.667750109	N	0	N
ACADSB	0.667888914	N	0	N
CPNE3	0.66790155	N	0	N
LINC02495	0.66790155	N	0	N
SNN	0.668052823	N	3	N
ACAT2	0.668145245	N	8	N
PSG6	0.668179417	N	0	N
GABARAPL1	0.668319679	N	11	N
MYO5A	0.668319679	N	14	N
G6PD	0.668471119	N	141	Y
PAIP1	0.668471119	N	1	N
QPCT	0.668603731	N	0	N
SOGA1	0.668603731	N	2	N
INA	0.668613631	N	67	N
KCNK10	0.668803904	N	3	N
TMEM261P1	0.668803904	N	0	N
ANKRA2	0.668856596	N	0	N
KLHDC8B	0.668856596	N	0	N
ST6GAL2	0.668856596	N	0	N
AC093827.3	0.66899741	N	0	N
AC116347.1	0.66899741	N	0	N
AL358178.1	0.66899741	N	0	N
ALKBH1	0.66899741	N	0	N
COG8	0.66899741	N	0	N
DEGS2	0.66899741	N	0	N
ELK3	0.66899741	N	2	N
FLOT2	0.66899741	N	2	N
LAMP3	0.66899741	N	1	N
NMRAL2P	0.66899741	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
ORC5	0.66899741	N	0	N
PDK2	0.66899741	N	39	N
RGS5	0.66899741	N	5	N
THRA	0.66899741	N	6	N
ECI2	0.669018017	N	0	N
AC005070.3	0.669068333	N	0	N
DCUN1D2	0.669068333	N	0	N
AC008393.1	0.669080165	N	0	N
AC016629.3	0.669080165	N	0	N
AL121895.1	0.669080165	N	0	N
FRMD5	0.669080165	N	0	N
HMGB1P8	0.669080165	N	0	N
MRPS18C	0.669080165	N	0	N
MTMR10	0.669080165	N	0	N
PLEKHO1	0.669080165	N	1	N
RPL3L	0.669080165	N	0	N
TNFRSF13C	0.669080165	N	2	N
TTPA	0.669080165	N	991	Y
TXNDC16	0.669080165	N	0	N
ZNF524	0.669080165	N	0	N
AC138811.2	0.669087199	N	0	N
ARFRP1	0.669087199	N	3	N
CHST13	0.669087199	N	0	N
CIRBP	0.669087199	N	4	N
DSTN	0.669087199	N	0	N
ASPH	0.669244311	N	10	N
LINC01524	0.669244311	N	0	N
PLAT	0.669244311	N	41	N
AC063952.2	0.669284595	N	0	N
AC090589.1	0.669284595	N	0	N
AC092123.2	0.669284595	N	0	N
AP000766.1	0.669284595	N	0	N
BAG4	0.669284595	N	1	N
ETS2	0.669284595	N	7	N
FERMT3	0.669284595	N	0	N
GPLD1	0.669284595	N	4	N
HLA-DOB	0.669284595	N	0	N
LACTB	0.669284595	N	1	N
LRRC17	0.669284595	N	0	N
Metazoa_SRP	0.669284595	N	0	N
MYO5C	0.669284595	N	0	N
NMNAT1	0.669284595	N	1	N
PDE3A	0.669284595	N	12	N
PEX26	0.669284595	N	0	N
RFX2	0.669284595	N	0	N
RN7SL200P	0.669284595	N	0	N
SUCO	0.669284595	N	0	N
VGFB	0.669392184	N	23	N
ATP2B1-AS1	0.669491253	N	0	N
CLCC1	0.669566138	N	0	N
DCDC2	0.669566138	N	0	N
LINC02361	0.669566138	N	0	N
MGAT4A	0.669566138	N	2	N
SMIM1	0.669566138	N	0	N
YY2	0.66965849	N	1	N
KCTD21-AS1	0.669713565	N	0	N
RPS10	0.669713565	N	0	N
ST8SIA6-AS1	0.669713565	N	0	N
AC079921.2	0.669758643	N	0	N
SAMMSON	0.669758643	N	0	N
AC069277.1	0.669842425	N	0	N
AL049775.1	0.669842425	N	0	N
LRSAM1	0.669842425	N	0	N
NDUFA12	0.669842425	N	0	N
PPP1R1C	0.669842425	N	0	N
URB1	0.669842425	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
DDX28	0.670041901	N	0	N
AC145423.3	0.670091447	N	0	N
TEX11	0.670091447	N	0	N
PKP4P1	0.670140385	N	0	N
ACTBP13	0.670167769	N	0	N
PSMD13	0.670244124	N	0	N
FAM86EP	0.670318859	N	0	N
AC007216.3	0.670450565	N	0	N
AC026362.1	0.670450565	N	0	N
DNAJB6	0.670450565	N	0	N
CBWD5	0.670474369	N	0	N
UBE2Q1	0.670474369	N	0	N
AC008677.1	0.67061371	N	0	N
AC009318.1	0.670614278	N	0	N
XPNPEP3	0.670614278	N	0	N
ME2P1	0.670617351	N	0	N
DPH7	0.67063278	N	0	N
TTC30A	0.670750441	N	0	N
HAND2-AS1	0.670984915	N	1	N
BRWD1-AS2	0.671032362	N	0	N
LARP6	0.671034896	N	5	N
PCNAP4	0.671034896	N	0	N
AC106886.1	0.67112709	N	0	N
XPA	0.67112709	N	6	N
ADRA1D	0.671256625	N	5	N
AC020915.1	0.671257864	N	0	N
ARHGEF25	0.671257864	N	0	N
ARID4A	0.671257864	N	4	N
ASRGL1	0.671257864	N	0	N
FTLP3	0.671257864	N	0	N
GPR162	0.671257864	N	1	N
PRADC1	0.671257864	N	1	N
TMEM231	0.671257864	N	0	N
YAE1D1	0.671257864	N	0	N
FLJ42393	0.671276838	N	0	N
MTND2P12	0.671402421	N	0	N
AC046158.3	0.671495042	N	0	N
AC061992.1	0.67154694	N	0	N
ATP5BP1	0.67154694	N	0	N
LINC01138	0.67154694	N	1	N
PPFIA2	0.67154694	N	0	N
ZNF625-ZNF20	0.67154694	N	0	N
MRPS33	0.671591113	N	0	N
AL117335.1	0.671663884	N	0	N
TTC37	0.671779152	N	0	N
AL354714.5	0.671791545	N	0	N
AL451064.2	0.671791545	N	0	N
AL513122.1	0.671791545	N	0	N
DDX18	0.671791545	N	0	N
MARS	0.671791545	N	63	N
USP32	0.671791545	N	0	N
ZNF682	0.671940372	N	0	N
MXD4	0.67194524	N	0	N
RNF122	0.67194524	N	1	N
ARFIP1	0.672235951	N	2	N
CTBP2P4	0.672235951	N	0	N
AL662907.1	0.672486086	N	0	N
AC108134.2	0.672493661	N	0	N
ATG3	0.672493661	N	8	N
CDK17	0.672493661	N	0	N
ENAH	0.672493661	N	2	N
RPL38P3	0.672493661	N	0	N
RUNX3	0.672493661	N	13	N
YWHABP2	0.672493661	N	0	N
AATF	0.672574831	N	1	N
HIRA	0.672574831	N	18	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
METRNL	0.672574831	N	10	N
PIK3CD-AS2	0.672574831	N	0	N
MARC2	0.672695069	N	0	N
AL360270.2	0.672695069	N	0	N
ITM2C	0.672695069	N	2	N
uc_338	0.672695069	N	0	N
OSGEPL1-AS1	0.672718073	N	0	N
SLC24A2	0.672718073	N	0	N
UGCG	0.672718073	N	7	N
AC026954.2	0.672861071	N	0	N
AC010132.4	0.672877765	N	0	N
C1orf122	0.672877765	N	0	N
DCAF12	0.672877765	N	0	N
FAM229B	0.672877765	N	0	N
FREM1	0.672877765	N	0	N
PDLIM1P1	0.672877765	N	0	N
POM121L9P	0.672877765	N	0	N
UBE2L6	0.672877765	N	1	N
AL160191.1	0.672896395	N	0	N
AC007598.3	0.673031729	N	0	N
AC090229.1	0.673031729	N	0	N
UPF3AP3	0.673031729	N	0	N
ZNF519	0.673031729	N	0	N
AL713999.1	0.673062282	N	0	N
CD320	0.673062282	N	0	N
DGUOK-AS1	0.673062282	N	0	N
PHKA2	0.673062282	N	1	N
PIGC	0.673062282	N	0	N
VWDE	0.673062282	N	0	N
MLEC	0.673074949	N	0	N
AL133551.1	0.673146865	N	0	N
PPP1R14B	0.673146865	N	0	N
VKORC1	0.673146865	N	2	N
CMTM7	0.673386773	N	1	N
AP006621.2	0.673502567	N	0	N
DPF2	0.673502567	N	0	N
SLC25A28	0.673502567	N	1	N
CAPN2	0.673517555	N	5	N
HPS3	0.673533879	N	1	N
SGSH	0.673626054	N	1	N
AC015871.3	0.673685459	N	0	N
STX16	0.673896129	N	3	N
NKAPP1	0.674009821	N	0	N
TOPORS	0.674009821	N	0	N
AC027335.2	0.674077135	N	0	N
ZNF702P	0.674077135	N	0	N
AC015883.1	0.67417464	N	0	N
AC124283.5	0.67417464	N	0	N
AC242426.3	0.67417464	N	0	N
AL589880.1	0.67417464	N	0	N
CEP70	0.67417464	N	0	N
DIO3	0.67417464	N	16	N
DUSP3	0.67417464	N	1	N
EMILIN2	0.67417464	N	1	N
FHIT	0.67417464	N	4	N
IFT27	0.67417464	N	0	N
MRPL50	0.67417464	N	0	N
PPARG	0.67417464	N	355	Y
SDC2	0.67417464	N	3	N
SKP1P1	0.67417464	N	0	N
SLC16A5	0.67417464	N	0	N
TFPI	0.67417464	N	22	N
UBE2N	0.67417464	N	7	N
CYP51A1P1	0.674335363	N	0	N
DLX4	0.674335363	N	2	N
EVA1C	0.674335363	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC022431.1	0.674350194	N	0	N
MRPL28	0.674411513	N	0	N
AC104109.3	0.674414609	N	0	N
AC108751.3	0.674414609	N	0	N
AP000223.1	0.674414609	N	0	N
C20orf24	0.674414609	N	0	N
CHCHD4	0.674414609	N	0	N
DUOX2	0.674414609	N	16	N
HIST1H3G	0.674414609	N	2	N
PRICKLE2-AS3	0.674414609	N	0	N
REEP3	0.674414609	N	0	N
TOP3B	0.674414609	N	0	N
TRAF3IP2-AS1	0.674446358	N	0	N
DNAJA3	0.674521898	N	0	N
AL021939.1	0.674528482	N	0	N
CPA6	0.674528482	N	0	N
AL353795.1	0.674581853	N	0	N
CXCL3	0.674581853	N	5	N
CYB561A3	0.674581853	N	0	N
DES	0.674581853	N	1000	Y
GFY	0.674581853	N	0	N
HPCAL1	0.674581853	N	0	N
HYAL1	0.674581853	N	2	N
NDUFB2-AS1	0.674581853	N	0	N
NTNG1	0.674581853	N	1	N
SLC25A42	0.674581853	N	0	N
AC005342.1	0.67487971	N	0	N
AC007277.1	0.67487971	N	0	N
AC091152.2	0.67487971	N	0	N
DSTNP2	0.67487971	N	0	N
ETF1	0.67487971	N	2	N
FAM155B	0.67487971	N	0	N
FAM43A	0.67487971	N	0	N
NACAD	0.67487971	N	0	N
OSBPL3	0.67487971	N	3	N
RN7SKP71	0.67487971	N	0	N
KIAA0930	0.674922763	N	0	N
AC009086.3	0.674986056	N	0	N
AC022868.1	0.674986056	N	0	N
AC025034.1	0.674986056	N	0	N
AL390879.2	0.674986056	N	0	N
HDHD2	0.674986056	N	0	N
LAMTOR5-AS1	0.674986056	N	0	N
AC021231.1	0.674993475	N	0	N
AC127070.2	0.674993475	N	0	N
MGST1	0.675116525	N	3	N
ZBTB47	0.675116525	N	0	N
AC104763.3	0.675230361	N	0	N
GTF2IRD1P1	0.675230361	N	0	N
NUDT12	0.675230361	N	0	N
PHF14	0.675230361	N	0	N
PMM2	0.675230361	N	9	N
RBM3	0.675230361	N	5	N
LINC00526	0.675476616	N	0	N
BANP	0.675514365	N	1	N
CCDC154	0.675514365	N	0	N
ENTPD4	0.675514365	N	0	N
AC093227.2	0.675548167	N	0	N
AC097480.1	0.675548167	N	0	N
ANKS4B	0.675548167	N	2	N
C11orf80	0.675548167	N	0	N
CCDC91	0.675548167	N	0	N
EPB42	0.675548167	N	0	N
ERVFRD-3	0.675548167	N	0	N
GRK5-IT1	0.675548167	N	0	N
LRRC23	0.675548167	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
PRKAA2	0.675548167	N	51	N
SH3RF3	0.675548167	N	1	N
WDR70	0.675548167	N	0	N
AC026523.2	0.675572572	N	0	N
PREX2	0.675572572	N	3	N
FOSL1	0.675784148	N	5	N
AC092916.2	0.675816678	N	0	N
ELOCP31	0.675816678	N	0	N
SCMH1	0.675816678	N	0	N
VPS52	0.675816678	N	0	N
C1QBPP2	0.675906924	N	0	N
KLHL13	0.675906924	N	1	N
SIRPB1	0.675906924	N	2	N
AC074043.1	0.676101191	N	0	N
AC087241.2	0.676101191	N	0	N
ARL14	0.676101191	N	0	N
CBWD6	0.676101191	N	0	N
ERAL1	0.676101191	N	0	N
GCNT4	0.676101191	N	0	N
LINC02210-CRHR1	0.676101191	N	0	N
PCYT2	0.676101191	N	8	N
SNAPC1	0.676101191	N	0	N
TEAD2	0.676101191	N	1	N
TMEM131L	0.676101191	N	0	N
XRRA1	0.676101191	N	0	N
AC012360.3	0.676584455	N	0	N
CCDC36	0.676584455	N	0	N
GALM	0.676584455	N	2	N
GPR183	0.676584455	N	1	N
OGFR	0.676584455	N	1	N
PRKD1	0.676584455	N	3	N
AC245452.1	0.676677427	N	0	N
SH3BP5	0.676703971	N	0	N
AC024451.2	0.676775657	N	0	N
CIR1	0.676775657	N	0	N
DDX41	0.676775657	N	0	N
FBXO30	0.676775657	N	1	N
GPATCH2L	0.676775657	N	0	N
SAP30L	0.676775657	N	0	N
E4F1	0.677093756	N	0	N
ZSWIM8	0.677093756	N	0	N
RGPD5	0.677173637	N	0	N
CHRAC1	0.677249864	N	0	N
DRD5	0.677249864	N	4	N
KDEL3	0.677249864	N	0	N
LINC00863	0.677249864	N	0	N
PSMA5	0.677249864	N	0	N
SLC6A17	0.677249864	N	0	N
TMEM243	0.677249864	N	0	N
ZBTB48	0.677249864	N	0	N
AC211433.1	0.677330415	N	0	N
BCAS4	0.677330415	N	0	N
MSTO2P	0.677330415	N	0	N
SUMF2	0.677549788	N	0	N
ARMCX2	0.677718989	N	0	N
CSAD	0.677718989	N	3	N
AC100821.1	0.677899884	N	0	N
ACHE	0.677899884	N	1000	Y
BLMH	0.677899884	N	0	N
DHFR2	0.677899884	N	0	N
FAM66D	0.677899884	N	0	N
GIT2	0.677899884	N	1	N
GP5	0.677899884	N	2	N
HINT3	0.677899884	N	0	N
ITGA9-AS1	0.677899884	N	0	N
PTPRU	0.677899884	N	2	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
TMEM178B	0.677899884	N	0	N
DBNDD1	0.678117554	N	0	N
NCOA5	0.678117554	N	2	N
AC106730.1	0.67827774	N	0	N
C8orf48	0.678399026	N	0	N
THUMPD1	0.678402559	N	0	N
PREB	0.678494389	N	9	N
AL157935.2	0.67850642	N	0	N
CD27-AS1	0.67850642	N	0	N
IFT57	0.67850642	N	1	N
LGR5	0.67850642	N	22	N
AC005042.1	0.678645246	N	0	N
DSTYK	0.678645246	N	0	N
LINC00654	0.678645246	N	0	N
LINC00917	0.678645246	N	0	N
LINC02260	0.678645246	N	0	N
PPP3CC	0.678645246	N	0	N
SH3BP2	0.678645246	N	0	N
TMPRSS11A	0.678645246	N	0	N
AC136944.2	0.67883921	N	0	N
MPPED2	0.678937296	N	0	N
SSX2IP	0.679086543	N	1	N
GTF2IRD2	0.679166847	N	0	N
IL1RL2	0.679166847	N	0	N
NDUFB10	0.679166847	N	2	N
S100A3	0.679166847	N	0	N
TBC1D16	0.679166847	N	0	N
TBC1D8	0.679166847	N	0	N
ZC3H8	0.679166847	N	0	N
ZC3HAV1	0.679166847	N	0	N
PITPNB	0.679240989	N	0	N
DNAJC4	0.679246849	N	1	N
PARP16	0.679246849	N	0	N
AC087473.1	0.679248079	N	0	N
MAP3K5	0.679248079	N	28	N
AC005702.3	0.679266484	N	0	N
AC084824.3	0.679266484	N	0	N
AC090241.3	0.679266484	N	0	N
AC105137.3	0.679266484	N	0	N
AL079303.2	0.679266484	N	0	N
AL121823.1	0.679266484	N	0	N
AL359504.1	0.679266484	N	0	N
ANKRD12	0.679266484	N	0	N
AP000776.1	0.679266484	N	0	N
ARGLU1	0.679266484	N	0	N
CSF1R	0.679266484	N	21	N
DOK5	0.679266484	N	7	N
EPS15P1	0.679266484	N	0	N
FOXJ1	0.679266484	N	3	N
GSTM1	0.679266484	N	20	N
KARSP1	0.679266484	N	0	N
LINC02418	0.679266484	N	0	N
LRP1	0.679266484	N	71	N
MAGEE1	0.679266484	N	0	N
MIR497HG	0.679266484	N	0	N
MMP25-AS1	0.679266484	N	0	N
P4HB	0.679266484	N	2	N
PFDN6	0.679266484	N	1	N
PKD1P6-NPIPP1	0.679266484	N	0	N
PWRN2	0.679266484	N	0	N
R3HCC1L	0.679266484	N	0	N
SLC9A3R2	0.679266484	N	0	N
SRRM5	0.679266484	N	0	N
STAT6	0.679266484	N	107	Y
STBD1	0.679266484	N	1	N
TADA2A	0.679266484	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
TLCD1	0.679266484	N	0	N
TMEM37	0.679266484	N	1	N
TNS4	0.679266484	N	0	N
TRIM55	0.679266484	N	1	N
ZDHHC24	0.679266484	N	0	N
AL080317.2	0.679342554	N	0	N
NPAS1	0.679484629	N	1	N
IFRD1	0.679495699	N	2	N
AC073052.1	0.679505381	N	0	N
NAP1L5	0.67954089	N	0	N
SACM1L	0.67954089	N	0	N
ZNF594	0.67954089	N	0	N
AC005520.2	0.679680515	N	0	N
AP2A1	0.679680515	N	2	N
CTDSPL	0.679680515	N	0	N
FLRT3	0.679680515	N	2	N
N4BP3	0.679680515	N	1	N
AC106865.1	0.679781131	N	0	N
CREB3	0.679781131	N	2	N
MRPL45P1	0.679781131	N	0	N
LRRFIP1	0.679781412	N	1	N
SCOC-AS1	0.679988301	N	0	N
AL136164.2	0.680240023	N	0	N
LSAMP	0.680240023	N	0	N
MINCR	0.680240023	N	0	N
DMPK	0.680255947	N	76	N
AC025580.1	0.680311748	N	0	N
PRDX5	0.680311748	N	7	N
SHPRH	0.680311748	N	1	N
ZNF628	0.680311748	N	0	N
PCGF3	0.680364218	N	0	N
MSL3P1	0.680392934	N	0	N
TMEM126A	0.680392934	N	0	N
CGGBP1	0.680675833	N	0	N
IQCJ-SCHIP1	0.680675833	N	0	N
BCAS1	0.680746182	N	1	N
POU3F2	0.680746182	N	0	N
HNRNPA1	0.680861743	N	4	N
C17orf82	0.681097372	N	0	N
GPSM3	0.681097372	N	0	N
SLC22A25	0.681097372	N	0	N
SLC4A1	0.681097372	N	1	N
EPS8L1	0.681620541	N	0	N
UBR4	0.681620541	N	0	N
FBXO41	0.681777576	N	0	N
ZNF112	0.681777576	N	0	N
KIR3DX1	0.681782539	N	0	N
AC006518.2	0.681905645	N	0	N
AC092168.2	0.681905645	N	0	N
AL020996.1	0.681905645	N	0	N
CREG1	0.681905645	N	10	N
FLJ46284	0.681905645	N	0	N
KIAA1024L	0.681905645	N	0	N
LINC01481	0.681905645	N	0	N
RANP6	0.681905645	N	0	N
TEX9	0.6821169	N	0	N
AC010271.2	0.682253604	N	0	N
BAZ2A	0.682488944	N	0	N
LETM1P2	0.682488944	N	0	N
NOP16	0.682488944	N	0	N
NAAA	0.682510098	N	1	N
KBTBD8	0.682720211	N	0	N
SGPL1	0.682720211	N	0	N
SH2D2A	0.682720211	N	1	N
DANCR	0.682758243	N	2	N
TVP23CP2	0.682758243	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
CCDC32	0.682798248	N	0	N
RNFT2	0.682798248	N	0	N
SNAI3-AS1	0.682807913	N	0	N
ARNT2	0.682928266	N	0	N
NCBP1	0.682928266	N	0	N
CTNS	0.682997563	N	27	N
DCST1-AS1	0.683199375	N	0	N
CMYA5	0.683302218	N	0	N
DAAM1	0.683302218	N	0	N
YY1AP1	0.683302218	N	4	N
CEBPZ	0.683379646	N	0	N
RELN	0.683388274	N	2	N
AC020658.3	0.683532557	N	0	N
ZNF43	0.683532557	N	0	N
AC005776.2	0.683547983	N	0	N
EPHB4	0.683547983	N	9	N
HSPA8P8	0.683547983	N	0	N
SHC1P1	0.683547983	N	0	N
MSH6	0.683739809	N	5	N
ESRP2	0.683826917	N	0	N
FOXK2	0.683826917	N	1	N
SYT1	0.683826917	N	10	N
THEGL	0.683826917	N	0	N
WFDC3	0.683826917	N	0	N
AC010900.1	0.684007312	N	0	N
CCNY	0.684007312	N	6	N
AP000542.3	0.684229893	N	0	N
SLC1A1	0.68433806	N	9	N
RPS27AP16	0.68440955	N	0	N
ACSS1	0.684530348	N	3	N
AP002505.1	0.684530348	N	0	N
INPP4B	0.684591721	N	4	N
BSG	0.684599857	N	10	N
CSF3R	0.684599857	N	58	N
MINPP1	0.684599857	N	0	N
MME	0.684599857	N	12	N
PGPEP1	0.684599857	N	0	N
POC1B-GALNT4	0.684599857	N	0	N
TBX5-AS1	0.684599857	N	0	N
CHRM3	0.684619781	N	4	N
RGS22	0.684619781	N	0	N
AP3S1	0.684634588	N	1	N
CNR2	0.684634588	N	14	N
LRRC49	0.684634588	N	0	N
ZNF714	0.684634588	N	1	N
CD55	0.684804277	N	19	N
DCP1A	0.684804277	N	2	N
ETAA1	0.684804277	N	0	N
FDPS	0.684804277	N	10	N
SYT9	0.684804277	N	6	N
TSPAN12	0.684804277	N	0	N
GOLGA2P7	0.68495593	N	0	N
KLF17P1	0.68495593	N	0	N
MLPH	0.68495593	N	1	N
RGS9	0.68495593	N	1	N
YIF1A	0.68495593	N	0	N
AL132780.2	0.685287136	N	0	N
AC023818.2	0.685303004	N	0	N
AL033519.2	0.685303004	N	0	N
FAM171B	0.685303004	N	0	N
RCC2P7	0.685303004	N	0	N
EIF2B4	0.68546535	N	0	N
RPL39P5	0.68546535	N	0	N
ADORA2A	0.685496538	N	7	N
ASPA	0.685496538	N	1	N
KCNMA1	0.685496538	N	6	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
KLF17P2	0.685496538	N	0	N
PA2G4P4	0.685496538	N	0	N
HAPLN3	0.685792338	N	0	N
B2M	0.68579241	N	21	N
USP50	0.686022355	N	0	N
PAXBP1	0.68610726	N	0	N
AL590762.1	0.686109323	N	0	N
ANGPT2	0.686109323	N	23	N
ATP5A1P3	0.686109323	N	0	N
CYB561D2	0.686109323	N	0	N
DNAJC3-AS1	0.686109323	N	0	N
EIF4A1P2	0.686109323	N	0	N
FAM122C	0.686109323	N	0	N
GPCPD1	0.686109323	N	0	N
GSTO3P	0.686109323	N	0	N
KCTD9	0.686109323	N	0	N
NEUROD4	0.686109323	N	0	N
NRARP	0.686109323	N	0	N
NRAS	0.686109323	N	25	N
PCDHGC5	0.686109323	N	0	N
SLC24A1	0.686109323	N	0	N
TRAF3	0.686109323	N	9	N
ZNF724	0.686109323	N	0	N
HOXA2	0.68612294	N	3	N
C8orf4	0.686353608	N	0	N
LINC01949	0.686353608	N	0	N
AC090409.2	0.686381455	N	0	N
ANAPC4	0.686381455	N	0	N
OCRL	0.686381455	N	7	N
AC104662.2	0.686388845	N	0	N
AL365277.1	0.686399487	N	0	N
LAP3P2	0.686399487	N	0	N
VASN	0.686399487	N	0	N
TECR	0.686412711	N	0	N
H1FX	0.686502036	N	0	N
AL139095.1	0.686607059	N	0	N
AP003084.1	0.686607059	N	0	N
RCN1P2	0.686607059	N	0	N
SH2B2	0.686727663	N	29	N
CASP8AP2	0.686807831	N	0	N
GMEB2	0.686849841	N	0	N
AL139805.2	0.686852557	N	0	N
AC027031.2	0.686992787	N	0	N
AC063943.2	0.686992787	N	0	N
AL359504.2	0.686992787	N	0	N
DAD1	0.686992787	N	4	N
EXOSC4	0.686992787	N	0	N
GCSHP5	0.686992787	N	0	N
KCNE4	0.686992787	N	0	N
MTHFD2P7	0.686992787	N	0	N
RBM34	0.686992787	N	0	N
SFSWAP	0.686992787	N	0	N
SYNCRIP	0.686992787	N	2	N
AC131206.1	0.687014007	N	0	N
AC007603.1	0.687102227	N	0	N
AC080080.1	0.687102227	N	0	N
AP005058.1	0.687245593	N	0	N
TMCC3	0.687245593	N	0	N
AC063949.1	0.687280126	N	0	N
AC126544.2	0.687280126	N	0	N
AL049870.1	0.687280126	N	0	N
DNAH1	0.687280126	N	0	N
NUBPL	0.687280126	N	0	N
RPS7P1	0.687280126	N	0	N
STAU2-AS1	0.687280126	N	0	N
CHKA	0.687355446	N	4	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
ZNF33BP1	0.687355446	N	0	N
SLC7A5	0.687449019	N	23	N
uc_338	0.687551865	N	0	N
MIR583HG	0.687700721	N	0	N
MTRNR2L12	0.687838198	N	0	N
AL050341.2	0.687868549	N	0	N
DLG4	0.688176918	N	23	N
ADGRB3	0.688247984	N	1	N
TCEAL7	0.688247984	N	1	N
HILPDA	0.688261087	N	0	N
AC008915.2	0.688278933	N	0	N
AC010210.1	0.688345985	N	0	N
AL356986.1	0.688345985	N	0	N
AL359878.1	0.688345985	N	0	N
FLII	0.688345985	N	29	N
FYB2	0.688345985	N	0	N
HECTD3	0.688345985	N	0	N
LINC00475	0.688345985	N	0	N
MROH8	0.688345985	N	0	N
RPS4XP3	0.688345985	N	0	N
SPACA6P-AS	0.688345985	N	0	N
TNFSF15	0.688345985	N	3	N
Z99756.1	0.688345985	N	0	N
ZNF440	0.688345985	N	0	N
ZNF620	0.688345985	N	0	N
AC132938.5	0.688578473	N	0	N
FBXO7	0.688578473	N	0	N
CAMSAP1	0.68871551	N	0	N
CARD19	0.68871551	N	0	N
CLN6	0.68871551	N	1	N
DUS2	0.68871551	N	0	N
FLT3LG	0.68871551	N	0	N
GSKIP	0.68871551	N	1	N
HSBP1	0.68871551	N	5	N
LCK	0.68871551	N	33	N
MRPS18AP1	0.68871551	N	0	N
NAA16	0.68871551	N	0	N
NIPSNAP3B	0.68871551	N	0	N
PCSK6	0.68871551	N	8	N
PSMA3-AS1	0.68871551	N	0	N
RPL32P34	0.68871551	N	0	N
SERTAD2	0.68871551	N	1	N
USF1	0.68871551	N	46	N
P2RY1	0.688773118	N	13	N
SLC9A5	0.688773118	N	0	N
AC004890.2	0.688856846	N	0	N
C2CD4C	0.688856846	N	1	N
CCDC71L	0.688856846	N	0	N
DNAJC10	0.688856846	N	2	N
FKBP2	0.688856846	N	1	N
ITGBL1	0.688856846	N	0	N
PLD2	0.688856846	N	17	N
SIKE1	0.688856846	N	0	N
RPGR	0.689000835	N	0	N
AC004941.2	0.689162236	N	0	N
HMGCL	0.689162236	N	3	N
HSPB2	0.689162236	N	6	N
PYGO1	0.689162236	N	1	N
AC079384.1	0.689251271	N	0	N
GPR52	0.689251271	N	0	N
RNF213	0.689251271	N	2	N
STK24	0.689251271	N	4	N
TGOLN2	0.689251271	N	6	N
TTC1	0.689251271	N	0	N
RAB32	0.6893274	N	0	N
AC091180.3	0.689426044	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
CCS	0.689426044	N	125	Y
ADGRD2	0.689468196	N	0	N
WDR83	0.689766676	N	0	N
GOSR1	0.689858281	N	0	N
RAB27B	0.689922232	N	3	N
XIAPP1	0.690034284	N	0	N
ZDHHC15	0.690114803	N	0	N
ZNF655	0.690114803	N	0	N
KDELC2	0.690152332	N	0	N
SERAC1	0.690310629	N	0	N
SNX24	0.690633961	N	0	N
NPTN-IT1	0.690650706	N	0	N
AL513283.1	0.690703016	N	0	N
CPSF2	0.690902219	N	0	N
CYP4F35P	0.690902219	N	0	N
RBM7	0.690902219	N	0	N
SNORA74A	0.690902219	N	0	N
TMEM186	0.690902219	N	0	N
TNKS2-AS1	0.690902219	N	0	N
ZNF767P	0.690902219	N	0	N
OR2D2	0.690969792	N	0	N
ADAMTS9	0.691026099	N	24	N
ICAM1	0.691026099	N	662	Y
RPS4X	0.691026099	N	0	N
USF1P1	0.691026099	N	0	N
CDK5RAP1	0.69116701	N	4	N
ERLEC1	0.69116701	N	0	N
VENTX	0.69116701	N	0	N
VIM	0.69116701	N	14	N
MDFI	0.691218627	N	0	N
ZNF316	0.691399758	N	0	N
ARL5B	0.6914002	N	0	N
ATE1-AS1	0.6914002	N	0	N
LAMA1	0.691422666	N	2	N
AC104162.1	0.691709086	N	0	N
HIF1AN	0.691709086	N	3	N
AC012309.1	0.691762101	N	0	N
TNFSF13	0.691762101	N	3	N
AC007919.1	0.691787351	N	0	N
ALKBH4	0.691787351	N	0	N
Z82209.1	0.691787351	N	0	N
AC009403.1	0.691816158	N	0	N
AC092952.1	0.691816158	N	0	N
AC098820.3	0.691816158	N	0	N
AC125612.1	0.691816158	N	0	N
CCZ1	0.691816158	N	0	N
LINC01397	0.691816158	N	0	N
WDR36	0.691816158	N	0	N
GPR1-AS	0.691946867	N	0	N
ALS2CL	0.692126414	N	0	N
C10orf67	0.692126414	N	0	N
ZGPAT	0.692126414	N	0	N
ZNF384	0.692126414	N	0	N
ANKUB1	0.692230102	N	0	N
CDC42-IT1	0.692230102	N	0	N
CDH23	0.692230102	N	1	N
HEBP1	0.692230102	N	2	N
HNRNPCP2	0.692230102	N	0	N
MFAP1	0.692230102	N	0	N
NCLP1	0.692230102	N	0	N
RHBDF1	0.692230102	N	0	N
SCN2A	0.692230102	N	4	N
BMS1P19	0.692288837	N	0	N
CDK7	0.692288837	N	2	N
LARS2	0.692288837	N	0	N
MMP24	0.692288837	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
C16orf87	0.692293414	N	0	N
URB2	0.692293414	N	1	N
MYOCD	0.69235344	N	5	N
AL358394.2	0.692386416	N	0	N
AL606834.2	0.692386416	N	0	N
NTHL1	0.692386416	N	3	N
RITA1	0.692386416	N	0	N
ZNF354B	0.692386416	N	0	N
ZNF473	0.692386416	N	0	N
SAFB2	0.69245802	N	0	N
LINC01759	0.692539873	N	0	N
AC008494.3	0.692667462	N	0	N
AC026367.2	0.692667462	N	0	N
SCAMP5	0.692667462	N	0	N
STMN3	0.692667462	N	0	N
AC097372.4	0.692681779	N	0	N
BCAR3	0.692681779	N	4	N
AL157786.1	0.692684121	N	0	N
AL355377.1	0.692684121	N	0	N
MCMBP	0.692684121	N	0	N
PPP4R4	0.692684121	N	0	N
TMEM70	0.692684121	N	0	N
AC087623.3	0.692839433	N	0	N
LINC01772	0.692839433	N	0	N
MKRN1	0.692839433	N	1	N
PRDX3P1	0.692839433	N	0	N
PRORS1P	0.692839433	N	0	N
SEMA4A	0.692839433	N	1	N
TMEM183A	0.692839433	N	0	N
CBWD1	0.692935479	N	0	N
CTSD	0.692935479	N	15	N
ZNF749	0.692935479	N	0	N
CBX3P9	0.692951845	N	0	N
RAB2B	0.692978912	N	0	N
FLJ12825	0.693129587	N	0	N
CA8	0.693152728	N	0	N
PFAS	0.693173221	N	14	N
ERBB4	0.693376547	N	42	N
NTN5	0.693514131	N	0	N
ZNF710-AS1	0.693596695	N	0	N
AC002519.1	0.693603125	N	0	N
AC010997.6	0.693603125	N	0	N
AC012569.1	0.693603125	N	0	N
AC055811.3	0.693603125	N	0	N
AL022400.1	0.693603125	N	0	N
ALG6	0.693603125	N	0	N
AP000915.2	0.693603125	N	0	N
AP003170.4	0.693603125	N	0	N
C1orf35	0.693603125	N	0	N
CBX2	0.693603125	N	1	N
CSDC2	0.693603125	N	1	N
DNM1	0.693603125	N	0	N
HLA-DPA1	0.693603125	N	3	N
LINC00887	0.693603125	N	0	N
LINC01444	0.693603125	N	0	N
SPATA20	0.693603125	N	0	N
ZFP69B	0.693603125	N	0	N
MEMO1	0.693612757	N	2	N
AL132709.8	0.693801585	N	0	N
BCL11A	0.693801585	N	14	N
AC023043.2	0.693869153	N	0	N
IFT81	0.694010045	N	0	N
RNF182	0.694108641	N	0	N
AL645568.2	0.694144926	N	0	N
AC005785.2	0.69416762	N	0	N
ASTN2	0.69416762	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
KAZALD1	0.69416762	N	5	N
LINC00967	0.69416762	N	0	N
NAXE	0.69416762	N	0	N
NDUFAF3	0.69416762	N	0	N
LINC01447	0.694239798	N	0	N
RP11-407N17.3	0.694239798	N	0	N
SUN1	0.694239798	N	2	N
HIST3H2A	0.694292906	N	0	N
AC012349.1	0.694349031	N	0	N
CBL	0.694349031	N	165	Y
EEF1GP1	0.694349031	N	0	N
KIAA0232	0.694349031	N	1	N
KIAA1683	0.694349031	N	0	N
SLITRK4	0.694349031	N	0	N
TMEM151B	0.694349031	N	0	N
AC005034.3	0.694675049	N	0	N
AC093503.3	0.694675049	N	0	N
DDHD2	0.694675049	N	0	N
FAM71F1	0.694675049	N	0	N
PCDHGA12	0.694675049	N	0	N
SNURF	0.694675049	N	6	N
THTPA	0.694695192	N	0	N
KHSRPP1	0.694882787	N	0	N
EHD2	0.694895526	N	7	N
FHP1	0.694926751	N	0	N
AL391069.2	0.695034345	N	0	N
C4orf47	0.695177188	N	0	N
AP003680.1	0.695255966	N	0	N
AKR1B10P1	0.695264358	N	0	N
KLK2	0.695264358	N	1	N
PCDH15	0.695264358	N	1	N
RPL13AP5	0.695264358	N	0	N
AC015909.5	0.695602686	N	0	N
CDK3	0.695602686	N	3	N
DNTTIP1	0.695602686	N	0	N
NCOA4P4	0.695602686	N	0	N
NPY6R	0.695602686	N	1	N
PLK2	0.695602686	N	2	N
PRSS36	0.695602686	N	0	N
SGF29	0.695602686	N	0	N
ZDHHC12	0.695602686	N	0	N
ZNF514	0.695602686	N	0	N
AL109918.2	0.695789483	N	0	N
B4GALT7	0.695789483	N	0	N
FHOD3	0.695789483	N	0	N
KIF5B	0.695789483	N	13	N
TSNARE1	0.695871305	N	0	N
AC008132.1	0.695906677	N	0	N
AC068870.3	0.695906677	N	0	N
AC234781.3	0.695906677	N	0	N
AL512504.1	0.695906677	N	0	N
ANKRD20A9P	0.695906677	N	0	N
ASXL1	0.695906677	N	1	N
CDK7P1	0.695906677	N	0	N
COBL	0.695906677	N	1	N
CPNE8	0.695906677	N	0	N
PRPF8	0.695906677	N	0	N
SNAP91	0.695906677	N	0	N
STK32B	0.695906677	N	0	N
STXBP4	0.695906677	N	10	N
TESMIN	0.695906677	N	0	N
USP27X-AS1	0.695906677	N	0	N
AC087286.4	0.695981431	N	0	N
C11orf1	0.695981431	N	0	N
C14orf2	0.695981431	N	0	N
HSDL2	0.695981431	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
TISP43	0.695981431	N	0	N
AC016026.1	0.696101722	N	0	N
GSDMB	0.696101722	N	1	N
PROM2	0.696101722	N	0	N
AC006213.4	0.696154926	N	0	N
SPHKAP	0.696206744	N	2	N
GPS2	0.696452485	N	4	N
RN7SL2	0.696452485	N	0	N
AC091516.1	0.696736075	N	0	N
MAP3K15	0.696737103	N	0	N
SPATA20P1	0.696778464	N	0	N
SNX15	0.696821362	N	1	N
PDZD2	0.696971592	N	5	N
PEX11A	0.697011134	N	1	N
DUS1L	0.697093439	N	0	N
HMGB1P19	0.697093439	N	0	N
TMEM42	0.697093439	N	0	N
PIK3C2G	0.6972342	N	4	N
AL451142.1	0.697261803	N	0	N
FAR1P1	0.697261803	N	0	N
CR382285.2	0.69732857	N	0	N
AL031283.1	0.697658226	N	0	N
PTAFR	0.697694018	N	1	N
NCOA2	0.697763714	N	6	N
CDKN1B	0.69798	N	78	N
AL390318.1	0.698160201	N	0	N
ERCC6-PGBD3	0.698160201	N	0	N
MRPL3	0.698160201	N	0	N
SLC30A4	0.698160201	N	2	N
DDX24	0.698262115	N	0	N
HMGCS1	0.698262115	N	11	N
NHLRC4	0.698262115	N	0	N
NIPAL3	0.698262115	N	0	N
TMA16	0.698262115	N	0	N
ZFYVE19	0.698262115	N	0	N
ZNF57	0.698262115	N	0	N
AC118553.1	0.698271762	N	0	N
C15orf38-AP3S2	0.698279957	N	0	N
CAPNS1	0.698279957	N	0	N
CARD6	0.698279957	N	1	N
LRRC37A9P	0.698279957	N	0	N
NUDT16L1	0.698279957	N	0	N
ANXA11	0.698296574	N	0	N
AC064847.1	0.698349247	N	0	N
AC007375.2	0.698364534	N	0	N
AC107075.1	0.698364534	N	0	N
CLIC4	0.698364534	N	2	N
DNAL1	0.698364534	N	0	N
GNGT2	0.698364534	N	1	N
KCNS2	0.698364534	N	0	N
RANBP3	0.698364534	N	0	N
AC097461.1	0.698538455	N	0	N
AL022324.2	0.698626437	N	0	N
PIP5K1A	0.698679518	N	0	N
MRPL43	0.698881527	N	0	N
MTND4P14	0.698881527	N	0	N
NSUN5P1	0.698881527	N	0	N
RGS7	0.699037943	N	1	N
TACC1	0.699037943	N	1	N
AAMDC	0.699043833	N	0	N
CASTOR1	0.699043833	N	1	N
ID4	0.699043833	N	7	N
LINC02071	0.699043833	N	0	N
MBTPS2	0.699043833	N	1	N
SIRT1	0.699043833	N	980	Y
ZNF592	0.699043833	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
EIF4EP2	0.699125619	N	0	N
IFT22	0.699150285	N	0	N
CLCN5	0.699213176	N	1	N
AL133241.1	0.699474779	N	0	N
UBE2G1	0.699474779	N	1	N
AC006262.1	0.69956182	N	0	N
AC006463.1	0.69956182	N	0	N
SP8	0.69956182	N	2	N
PHB2	0.699578359	N	7	N
AC008124.1	0.69994161	N	0	N
MAGEH1	0.69994161	N	0	N
AC006299.1	0.700020372	N	0	N
SDR39U1	0.700300227	N	0	N
AL158211.5	0.700386021	N	0	N
AP000704.1	0.700501775	N	0	N
TBC1D3B	0.700501775	N	0	N
AC011890.1	0.7005211	N	0	N
AC012213.3	0.7005211	N	0	N
AC018992.1	0.7005211	N	0	N
AKAP9	0.7005211	N	1	N
DNAJB2	0.7005211	N	1	N
FAF2	0.7005211	N	0	N
FAM106A	0.7005211	N	0	N
G3BP2	0.7005211	N	0	N
LIG4	0.7005211	N	2	N
NKILA	0.7005211	N	0	N
SLC25A3P2	0.7005211	N	0	N
MLLT10	0.700572916	N	2	N
AC005702.1	0.700650765	N	0	N
GIPC2	0.700650765	N	3	N
UBA52P6	0.700650765	N	0	N
AC074397.1	0.700703743	N	0	N
AC083902.2	0.700703743	N	0	N
AC090740.1	0.700703743	N	0	N
AC145098.2	0.700703743	N	0	N
AL008628.1	0.700703743	N	0	N
AL031133.1	0.700703743	N	0	N
AP005264.8	0.700703743	N	0	N
C5orf24	0.700703743	N	0	N
CCDC69	0.700703743	N	0	N
CDK10	0.700703743	N	3	N
ERMN	0.700703743	N	0	N
EVI5	0.700703743	N	0	N
FAM168B	0.700703743	N	0	N
FGFR1	0.700703743	N	106	Y
IKZF1	0.700703743	N	2	N
MFF	0.700703743	N	6	N
NECTIN3-AS1	0.700703743	N	0	N
OGN	0.700703743	N	9	N
PNISR	0.700703743	N	0	N
RPLP2	0.700703743	N	0	N
SERF2	0.700703743	N	0	N
SLC2A1	0.700703743	N	649	Y
TMEM246	0.700703743	N	0	N
TRIOBP	0.700703743	N	1	N
ZNF133	0.700703743	N	0	N
MOCS1	0.700728778	N	0	N
PGGT1B	0.700728778	N	0	N
CCDC144B	0.70077425	N	0	N
TMEM51	0.700858681	N	1	N
AC023968.2	0.701143735	N	0	N
AC083899.1	0.701246545	N	0	N
CMTM8	0.701246545	N	0	N
COMMD1	0.701246545	N	1	N
SULT1B1	0.701246545	N	1	N
AC009269.5	0.701315001	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
CYP2S1	0.701315001	N	0	N
DPP8	0.701371485	N	12	N
AC002310.2	0.701386291	N	0	N
FNIP1	0.701386291	N	1	N
AC010300.1	0.70162519	N	0	N
AC104653.1	0.70162519	N	0	N
AC118344.1	0.70162519	N	0	N
DYDC2	0.70162519	N	0	N
FAM169A	0.70162519	N	0	N
FBXO3	0.70162519	N	0	N
MALL	0.70162519	N	178	Y
RNF26	0.70162519	N	0	N
YPEL1	0.70162519	N	0	N
AC092593.1	0.701743898	N	0	N
AC233728.2	0.701743898	N	0	N
AL096700.1	0.701743898	N	0	N
BUD13P1	0.701743898	N	0	N
PPFIA1	0.701743898	N	1	N
SPATA7	0.701743898	N	0	N
AC010331.1	0.701839279	N	0	N
AL121917.1	0.701839279	N	0	N
CFAP221	0.701839279	N	0	N
EBF3	0.701839279	N	0	N
EIF3EP1	0.701839279	N	0	N
PIDD1	0.701839279	N	0	N
RNGTT	0.701839279	N	0	N
SCRIB	0.701839279	N	2	N
ZNF7	0.701839279	N	0	N
AC020917.3	0.701862574	N	0	N
AC013394.1	0.701885344	N	0	N
BTN3A2	0.701885344	N	1	N
ENOPH1	0.701885344	N	0	N
Metazoa_SRP	0.701885344	N	0	N
PAK1IP1	0.701885344	N	0	N
AC103740.1	0.70190517	N	0	N
MBD3	0.70190517	N	2	N
PFKL	0.70190517	N	7	N
PSMG2	0.70190517	N	0	N
AC037459.2	0.702291527	N	0	N
DOLPP1	0.702291527	N	0	N
LZTFL1	0.702291527	N	0	N
PRCD	0.702291527	N	0	N
AL162424.1	0.702609247	N	0	N
RN7SL425P	0.702834469	N	0	N
TDP2	0.702834469	N	0	N
ZNF222	0.702834469	N	0	N
AC015689.2	0.702877664	N	0	N
CFHR3	0.702877664	N	0	N
IGF1	0.702877664	N	1000	Y
PERM1	0.703033031	N	1	N
RN7SL861P	0.703033031	N	0	N
SNRPGP17	0.703103832	N	0	N
Z94721.2	0.703103832	N	0	N
AC005014.2	0.703132451	N	0	N
AC109631.1	0.703132451	N	0	N
CAMK2N1	0.703132451	N	3	N
LINC01979	0.703132451	N	0	N
MSANTD1	0.703132451	N	0	N
RBM12	0.703132451	N	0	N
SYT13	0.703132451	N	2	N
KCNMB3	0.703389234	N	1	N
PPME1	0.703389234	N	1	N
TFPI2	0.703389234	N	3	N
AL691477.1	0.703414268	N	0	N
HIC1	0.703552529	N	5	N
UCP3	0.703577293	N	277	Y

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
IGDCC4	0.703650906	N	0	N
LINC00273	0.703650906	N	0	N
AC093423.3	0.703700897	N	0	N
CHP2	0.70372216	N	0	N
DDR1-AS1	0.70372216	N	0	N
KLHL23	0.703865346	N	0	N
KYAT3	0.703878484	N	0	N
AC008507.1	0.703930917	N	0	N
AL133338.2	0.703930917	N	0	N
CDS2	0.703930917	N	0	N
F3	0.703930917	N	175	Y
OIP5-AS1	0.703930917	N	0	N
PCBP2P1	0.703930917	N	0	N
TPRG1L	0.703930917	N	0	N
RUNDC3B	0.703983908	N	0	N
HIF1A	0.703986774	N	268	Y
LHX9	0.703986774	N	0	N
MTG1	0.704012881	N	1	N
CAMKK1	0.704175571	N	5	N
CLDND1	0.704175571	N	0	N
MAPK8IP1	0.704329864	N	15	N
TRNT1	0.704409305	N	1	N
AC092117.1	0.704555751	N	0	N
DGCR8	0.704555751	N	5	N
LRP2	0.704555751	N	11	N
POU2AF1	0.704580323	N	2	N
SMIM29	0.704580323	N	0	N
AC087500.1	0.70489991	N	0	N
ACO2	0.70489991	N	1	N
CLEC16A	0.704900153	N	12	N
AC011498.2	0.704975207	N	0	N
AC099796.2	0.704975207	N	0	N
FAM72A	0.704975207	N	0	N
GCN1	0.704975207	N	0	N
AC008696.1	0.705001167	N	0	N
AC010536.1	0.705001167	N	0	N
AL513343.1	0.705001167	N	0	N
Metazoa_SRP	0.705001167	N	0	N
AC002066.1	0.705246776	N	0	N
AC022762.2	0.705246776	N	0	N
D2HGDH	0.705246776	N	0	N
PSMC2	0.705246776	N	0	N
AC112206.4	0.70537719	N	0	N
GTF2IP20	0.70537719	N	0	N
DIXDC1	0.705445266	N	0	N
FMNL1	0.705445266	N	0	N
MRPS17P9	0.705445266	N	0	N
NT5C2	0.705445266	N	3	N
RDH14	0.705445266	N	0	N
TTY10	0.705445266	N	0	N
TULP3	0.705445266	N	1	N
ZNRD1	0.705445266	N	0	N
ATP5E	0.705736424	N	0	N
KLF7-IT1	0.705736424	N	0	N
AC087741.1	0.705788039	N	0	N
KLHL17	0.705788039	N	0	N
Metazoa_SRP	0.705788039	N	0	N
ACTN1	0.705789322	N	3	N
SLC35E2B	0.705939346	N	0	N
C4orf26	0.706113662	N	0	N
EPHB6	0.706113662	N	1	N
PNP	0.706198351	N	49	N
TRIL	0.706198351	N	0	N
PBDC1	0.70622982	N	0	N
SRSF9	0.70622982	N	0	N
CRACR2A	0.706320739	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
TRMT6	0.706320739	N	0	N
AC105074.1	0.706377442	N	0	N
TMEM144	0.706377442	N	0	N
PNPT1P1	0.706417084	N	0	N
AC008269.1	0.706429195	N	0	N
AP000864.1	0.706429195	N	0	N
AP005242.2	0.706670044	N	0	N
SYBU	0.706718064	N	1	N
IFT46	0.706744592	N	0	N
AC109454.4	0.70680763	N	0	N
AC120053.1	0.70680763	N	0	N
AL031119.1	0.70680763	N	0	N
AL162258.2	0.70680763	N	0	N
ANO2	0.70680763	N	0	N
CAMK2A	0.70680763	N	8	N
CCDC183-AS1	0.70680763	N	0	N
HSF2BP	0.70680763	N	0	N
L3MBTL3	0.70680763	N	1	N
LINC01293	0.70680763	N	0	N
MPP7	0.70680763	N	1	N
NRG1	0.70680763	N	25	N
RPS6KB2	0.70680763	N	2	N
TLR7	0.70680763	N	17	N
ZNF23	0.70680763	N	0	N
ZSWIM5	0.70680763	N	0	N
MYNN	0.706807848	N	0	N
WHRN	0.706807848	N	0	N
RAPGEFL1	0.706990422	N	0	N
AP005136.2	0.707066984	N	0	N
SNU13	0.707073274	N	0	N
C5AR1	0.707337692	N	5	N
AC016405.1	0.707420914	N	0	N
C19orf18	0.707420914	N	0	N
EYA1	0.707420914	N	1	N
ACTBP11	0.707515947	N	0	N
XKR6	0.707515947	N	0	N
ZNF662	0.707515947	N	0	N
A1CF	0.70752727	N	1	N
JUND	0.70752727	N	25	N
EIF4ENIF1	0.707550404	N	1	N
AC021092.1	0.70757297	N	0	N
AC079610.1	0.70757297	N	0	N
C4orf3	0.70757297	N	0	N
SLC38A10	0.70757297	N	1	N
SYF2	0.70757297	N	0	N
ZNF629	0.70757297	N	0	N
DR1	0.707742285	N	72	N
PDIA4	0.707742285	N	2	N
RPL36AL	0.707742285	N	0	N
TRIM26	0.707742285	N	1	N
ZNRF1	0.707805437	N	1	N
AC011225.1	0.707807747	N	0	N
Z98755.1	0.707900552	N	0	N
AC006141.1	0.707934212	N	0	N
C11orf88	0.707934212	N	0	N
GSTM5	0.707934212	N	1	N
P4HTM	0.707934212	N	0	N
PRR15	0.707934212	N	0	N
SLC25A26	0.707934212	N	0	N
SNORA50B	0.707934212	N	0	N
SRA1	0.707934212	N	1	N
DTX2P1-UPK3BP1-PMS2P11	0.70795706	N	0	N
AC007938.2	0.707993509	N	0	N
SNAI1	0.707993509	N	16	N
BTBD10	0.70808508	N	1	N
CPNE4	0.70808508	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
KIAA0556	0.70832248	N	0	N
KNDC1	0.70832248	N	0	N
AL133477.1	0.708357825	N	0	N
ANAPC16	0.708357825	N	0	N
FKBP1B	0.708357825	N	1	N
SNX9	0.708357825	N	1	N
TMEM65	0.708357825	N	0	N
AC110716.2	0.708380216	N	0	N
FAM161A	0.708380216	N	0	N
AC068831.1	0.708397767	N	0	N
AC093827.1	0.708397767	N	0	N
AL162727.1	0.708397767	N	0	N
CCDC183	0.708397767	N	0	N
ITGB1	0.708397767	N	8	N
KLF11	0.708397767	N	20	N
MYLK-AS1	0.708507994	N	0	N
SIM1	0.708507994	N	13	N
IRF1	0.708660499	N	19	N
ACTR1A	0.708950818	N	1	N
SEC61G	0.709012625	N	0	N
ATP10B	0.709078768	N	0	N
PYROXD2	0.709078768	N	1	N
C20orf196	0.709100013	N	0	N
ATL1	0.709105657	N	0	N
DSG3	0.709223863	N	0	N
AC009041.4	0.709246602	N	0	N
C9orf163	0.709311814	N	0	N
CALM2P3	0.709311814	N	0	N
CHRNE	0.709311814	N	0	N
CNTF	0.709311814	N	200	Y
DTX3L	0.709454358	N	0	N
GPR82	0.709454358	N	1	N
RHOA	0.709454358	N	159	Y
THRAP3P1	0.709454358	N	0	N
SLC25A5P5	0.709605029	N	0	N
AC073410.1	0.70976448	N	0	N
PTRH1	0.709858026	N	0	N
MAP1LC3B2	0.709924993	N	0	N
METTL15P1	0.709924993	N	0	N
CBR1	0.709973341	N	4	N
EVL	0.709973341	N	1	N
SCUBE3	0.709973341	N	1	N
FAM53B	0.710014155	N	0	N
BX322234.1	0.710085072	N	0	N
LMBR1L	0.710085072	N	0	N
AL355315.1	0.710110554	N	0	N
AGFG2	0.710138677	N	0	N
LY6G5C	0.710178085	N	0	N
ZNF93	0.710245327	N	0	N
FAM157C	0.710401057	N	0	N
RAB15	0.710401057	N	0	N
SLC25A5P1	0.710401057	N	0	N
AC109460.3	0.710421797	N	0	N
AL139396.1	0.710421797	N	0	N
ASCL2	0.710421797	N	16	N
COX7C	0.710421797	N	4	N
FAM117A	0.710421797	N	0	N
LINC01260	0.710421797	N	0	N
MCPH1-AS1	0.710421797	N	0	N
MED6	0.710421797	N	0	N
SYCP3	0.710421797	N	1	N
TMEM161B-AS1	0.710421797	N	0	N
ZG16B	0.710421797	N	0	N
SMIM31	0.710456557	N	0	N
AL157713.1	0.710643841	N	0	N
ANO4	0.710782595	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
CRTAM	0.710792999	N	3	N
CAMKK2	0.710897338	N	16	N
SLC9A2	0.710897338	N	2	N
MACROD1	0.710946395	N	4	N
AC073136.2	0.711095849	N	0	N
ARV1	0.711095849	N	1	N
EIF2S3	0.711095849	N	1	N
KHSRP	0.711095849	N	1	N
RPL23AP34	0.711095849	N	0	N
C9orf106	0.71111273	N	0	N
AC092756.1	0.711179613	N	0	N
AMOTL1	0.71118806	N	0	N
ZBTB41	0.711587152	N	0	N
AC005329.1	0.711597828	N	0	N
ACAA2	0.711598557	N	9	N
ATP1B3	0.711598557	N	0	N
KCTD16	0.711598557	N	0	N
NKAP	0.711598557	N	2	N
AC091544.5	0.711805113	N	0	N
AGAP4	0.711844547	N	0	N
ZNF548	0.711844547	N	0	N
TSSK6	0.7121601	N	0	N
VPS26BP1	0.712226201	N	0	N
ENKUR	0.71229951	N	0	N
HNRNPA1P54	0.71229951	N	0	N
KIAA0319	0.71229951	N	0	N
SAMM50	0.71229951	N	1	N
URB1-AS1	0.71229951	N	0	N
AC078795.3	0.712660771	N	0	N
AC007342.6	0.712745759	N	0	N
AC015799.1	0.712745759	N	0	N
AL365209.1	0.712745759	N	0	N
AP000897.1	0.712745759	N	0	N
AP002414.4	0.712745759	N	0	N
ASCC1	0.712745759	N	0	N
BCKDHB	0.712745759	N	1	N
CASP4	0.712745759	N	5	N
CCDC122	0.712745759	N	0	N
CD22	0.712745759	N	1	N
CEACAM22P	0.712745759	N	0	N
CNTD1	0.712745759	N	0	N
DUBR	0.712745759	N	0	N
ELMOD1	0.712745759	N	0	N
GGN	0.712745759	N	6	N
HIST1H3E	0.712745759	N	0	N
IER3	0.712745759	N	1	N
KRT33B	0.712745759	N	0	N
LINC01023	0.712745759	N	0	N
LINC01786	0.712745759	N	0	N
MAP4K5	0.712745759	N	1	N
MVP	0.712745759	N	14	N
PDXDC2P-NPIP14P	0.712745759	N	0	N
PHLDA2	0.712745759	N	13	N
RIF1	0.712745759	N	4	N
SOX2	0.712745759	N	108	Y
ZNF346-IT1	0.712745759	N	0	N
CA14	0.712862071	N	0	N
RIMBP2	0.712862071	N	0	N
AC087763.1	0.713290059	N	0	N
AC105021.1	0.713345539	N	0	N
AC244197.2	0.713345539	N	0	N
AL589986.2	0.713345539	N	0	N
ALG1	0.713345539	N	1	N
ANKRD13D	0.713345539	N	0	N
CCDC82	0.713345539	N	0	N
CSTF3	0.713345539	N	1	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
DIABLO	0.713345539	N	26	N
LRRC37B	0.713345539	N	0	N
MRO	0.713345539	N	2	N
PEBP1	0.713345539	N	5	N
RPS21P4	0.713345539	N	0	N
AC024580.1	0.713455253	N	0	N
TMEM67	0.713455253	N	0	N
FOXD2	0.713484907	N	0	N
LMOD3	0.713484907	N	0	N
SPHK1	0.713484907	N	23	N
SCN9A	0.713669652	N	6	N
INTS11	0.713682021	N	0	N
AC010889.1	0.713774766	N	0	N
AL596202.1	0.713774766	N	0	N
ARMC6	0.713774766	N	0	N
CHRFAM7A	0.713774766	N	0	N
CR545473.1	0.713774766	N	0	N
FAM3C	0.713774766	N	8	N
ITK	0.713774766	N	3	N
LINC00461	0.713774766	N	0	N
MANSC1	0.713774766	N	0	N
NAPA-AS1	0.713774766	N	0	N
SHISA9	0.713774766	N	0	N
SPTY2D1-AS1	0.713774766	N	0	N
TIMM8BP2	0.713774766	N	0	N
TNFRSF10B	0.713774766	N	6	N
ZYG11B	0.713774766	N	0	N
ABII	0.713818107	N	1	N
AC092134.2	0.713818107	N	0	N
AL133372.2	0.713818107	N	0	N
AP000943.3	0.713818107	N	0	N
CLCN7	0.713818107	N	1	N
DLGAP3	0.713818107	N	0	N
EFR3B	0.713818107	N	0	N
ELOA	0.713818107	N	0	N
GSTP1	0.713818107	N	63	N
MCTP2	0.713818107	N	0	N
MTND5P26	0.713818107	N	0	N
POLG2	0.713818107	N	1	N
SALL1	0.713818107	N	1	N
SH3BGR	0.713818107	N	0	N
ZCCHC8	0.713818107	N	0	N
ZFYVE21	0.713818107	N	0	N
ESF1	0.713927264	N	0	N
EIPR1	0.713955877	N	1	N
ENDOV	0.713973484	N	2	N
LINC02188	0.714123743	N	0	N
AC073575.2	0.7141917	N	0	N
C19orf47	0.7141917	N	0	N
PLIN2	0.7141917	N	72	N
TMEM217	0.7141917	N	0	N
UBIAD1	0.7141917	N	1	N
FSBP	0.71441837	N	1	N
AP001528.3	0.714624475	N	0	N
AL139020.1	0.714875996	N	0	N
SPIRE1	0.714947207	N	0	N
RPL5P13	0.715009131	N	0	N
ZNF350	0.715009131	N	0	N
FAM83C	0.715162053	N	0	N
NFKB2	0.715363061	N	3	N
AL122035.1	0.715451808	N	0	N
SNORA74B	0.715451808	N	0	N
ZNF713	0.715566985	N	0	N
TGFBR2	0.715737571	N	255	Y
AC092184.1	0.71593116	N	0	N
ESR1	0.71593116	N	99	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
FGGY	0.71593116	N	0	N
SOX7	0.71593116	N	3	N
AL355102.1	0.716030197	N	0	N
APOBR	0.71606236	N	7	N
AC012313.2	0.716091904	N	0	N
AC097375.3	0.716091904	N	0	N
AL359397.2	0.716091904	N	0	N
C1QTNF1	0.716091904	N	10	N
OTUB2	0.716091904	N	1	N
AC005336.2	0.716258205	N	0	N
AL020997.1	0.716258205	N	0	N
ALKBH6	0.716258205	N	0	N
LINC02395	0.716258205	N	0	N
RNU2-63P	0.716258205	N	0	N
TM2D2	0.716258205	N	0	N
UGT8	0.716258205	N	0	N
LACC1	0.716402572	N	0	N
AC138696.2	0.71651609	N	0	N
IDH3A	0.716630108	N	1	N
FOXJ2	0.716672514	N	0	N
AC016717.2	0.716755348	N	0	N
AL365440.1	0.716755348	N	0	N
BAGE2	0.716755348	N	0	N
HDGFL2	0.716755348	N	0	N
MTCO1P11	0.716755348	N	0	N
SPATA2	0.716755348	N	0	N
CYSTM1	0.716932622	N	0	N
HTR6	0.716932622	N	0	N
AC025279.1	0.717347547	N	0	N
AL353803.4	0.717347547	N	0	N
AC136469.1	0.71739715	N	0	N
AL031963.3	0.71739715	N	0	N
CBS	0.71739715	N	67	N
CLEC12A-AS1	0.71739715	N	0	N
DNAJC2	0.71739715	N	1	N
AC015912.3	0.717492969	N	0	N
AL080250.1	0.717492969	N	0	N
CILP2	0.717492969	N	3	N
CNDP1	0.717492969	N	2	N
CTTN	0.717492969	N	1	N
ENOX1	0.717492969	N	1	N
TEFM	0.717492969	N	1	N
AL121672.3	0.717501959	N	0	N
CFAP20	0.717501959	N	0	N
FES	0.717501959	N	66	N
GOT2P3	0.717501959	N	0	N
AC016831.1	0.717511913	N	0	N
AC141586.5	0.717511913	N	0	N
AL022323.5	0.717511913	N	0	N
AL450992.2	0.717511913	N	0	N
BMPR1B	0.717511913	N	2	N
CFL1	0.717511913	N	3	N
DNAJC25-GNG10	0.717511913	N	0	N
EIF2AK4	0.717511913	N	20	N
PSMA3P	0.717511913	N	0	N
RP2	0.717511913	N	15	N
TMEM25	0.717511913	N	0	N
TSPAN14	0.717511913	N	0	N
TXNL1	0.717511913	N	3	N
AP005202.1	0.717518186	N	0	N
FOXD1	0.717518186	N	4	N
RPS19BP1	0.717518186	N	1	N
FAM60CP	0.717590337	N	0	N
FAM66C	0.717590337	N	0	N
MTHFSD	0.717590337	N	0	N
AP001528.1	0.717678748	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
BX284668.6	0.717678748	N	0	N
MED1	0.717678748	N	41	N
MSRB3	0.717678748	N	0	N
SLC38A9	0.717678748	N	2	N
TMEM102	0.717678748	N	0	N
STK38	0.717714404	N	0	N
AC105202.1	0.717734493	N	0	N
HIST2H2AA4	0.717734493	N	0	N
AL353763.1	0.717765624	N	0	N
CSMD2	0.717765624	N	0	N
RREB1	0.71776769	N	4	N
STAR	0.717971448	N	389	Y
AP002001.1	0.718086126	N	0	N
SMG1P1	0.718086126	N	0	N
AC100778.3	0.718388208	N	0	N
AC005821.1	0.718394999	N	0	N
METTLL17	0.718394999	N	0	N
MSL2	0.718394999	N	0	N
AC074135.1	0.718529337	N	0	N
AL138889.1	0.718529337	N	0	N
NANOS1	0.718681614	N	0	N
MATN1-AS1	0.71897609	N	0	N
CHMP3	0.719039612	N	3	N
KLF15	0.719039612	N	26	N
MLST8	0.719122296	N	11	N
ACAD8	0.719236563	N	0	N
PIGUP1	0.719236563	N	0	N
STEAP3	0.719475622	N	1	N
MAPK3	0.7195611	N	39	N
AC010618.3	0.71961524	N	0	N
SLMAP	0.71961524	N	1	N
BOC	0.71967026	N	39	N
AC023024.1	0.71988476	N	0	N
AC007969.2	0.719978126	N	0	N
AP000432.2	0.719978126	N	0	N
AC105416.1	0.719998732	N	0	N
KIF21A	0.720083309	N	0	N
DCLRE1B	0.720086991	N	0	N
GPR78	0.720086991	N	0	N
IDUA	0.720086991	N	7	N
NFE2L3P1	0.720086991	N	0	N
SPRED1	0.720086991	N	1	N
AFG3L2P1	0.720344225	N	0	N
AL360181.3	0.720344225	N	0	N
TMEM169	0.720344225	N	0	N
AC005519.2	0.720356897	N	0	N
AL008729.2	0.720356897	N	0	N
AP004289.1	0.720356897	N	0	N
ASB5	0.720356897	N	0	N
LIMD2	0.720356897	N	1	N
NAXD	0.720356897	N	0	N
PTPN11	0.720356897	N	143	Y
RPL17	0.720356897	N	0	N
SEM1P1	0.720356897	N	0	N
SSTR5	0.720356897	N	87	N
TREX1	0.720356897	N	2	N
UHMK1	0.720356897	N	1	N
ZNF799	0.720356897	N	0	N
ZNF831	0.720356897	N	1	N
TAS2R19	0.720364926	N	0	N
AC021106.3	0.720576815	N	0	N
DPYSL4	0.720576815	N	0	N
HSD17B4	0.720576815	N	4	N
MIR381HG	0.720576815	N	0	N
NOS2P3	0.720576815	N	0	N
RPL38P4	0.720576815	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC007666.1	0.720603934	N	0	N
AC098864.1	0.720603934	N	0	N
AC104623.2	0.720603934	N	0	N
BST2	0.720603934	N	0	N
CCDC127	0.720603934	N	0	N
CXCL5	0.720603934	N	31	N
NEK7	0.720603934	N	2	N
RBBP4P1	0.720603934	N	0	N
TRPM4	0.720603934	N	22	N
TWNK	0.720603934	N	0	N
WBP1	0.720603934	N	0	N
ZNF826P	0.720603934	N	0	N
DCTN1	0.720686074	N	3	N
C17orf75	0.721076218	N	1	N
HINT1	0.721076218	N	2	N
PHBP21	0.721076218	N	0	N
AL662844.4	0.721201198	N	0	N
GTF3C1	0.721205901	N	0	N
AC012640.2	0.721319954	N	0	N
NEDD8	0.721319954	N	3	N
NLRP12	0.721319954	N	1	N
SESTD1	0.721319954	N	0	N
STK24P1	0.721319954	N	0	N
TOB1-AS1	0.721319954	N	0	N
AL357055.3	0.721340307	N	0	N
ARID5A	0.721347489	N	0	N
MDH1	0.721347489	N	3	N
TSEN2	0.721347489	N	0	N
TTC14	0.721347489	N	0	N
AC004816.1	0.721409555	N	0	N
AC022296.2	0.721409555	N	0	N
AC026250.1	0.721409555	N	0	N
APEX1	0.721409555	N	1	N
CDK16	0.721409555	N	1	N
DNAH11	0.721409555	N	0	N
FEZ2	0.721409555	N	0	N
RNF139-AS1	0.721409555	N	0	N
SLC45A4	0.721409555	N	0	N
UTRN	0.721409555	N	2	N
LRRC63	0.721411535	N	0	N
AC073367.1	0.721445386	N	0	N
IBA57-AS1	0.721492476	N	0	N
LINC00886	0.721492476	N	0	N
PIIP5K1	0.721492476	N	3	N
REV1	0.721492476	N	0	N
RXR8	0.721492476	N	1	N
ZNF584	0.721492476	N	0	N
ARL4A	0.72149786	N	1	N
TMEM182	0.721642133	N	0	N
C18orf15	0.721670801	N	0	N
HEATR5B	0.721674851	N	0	N
NIP7P2	0.721674851	N	0	N
AC073611.1	0.721815356	N	0	N
ARRDC4	0.72190688	N	4	N
GSEC	0.72190688	N	0	N
MYH7B	0.72190688	N	0	N
PPP2R2A	0.72190688	N	4	N
RIDA	0.72190688	N	18	N
C19orf68	0.721966451	N	0	N
ANKRD53	0.722098122	N	0	N
AC007728.2	0.722189314	N	0	N
RP9P	0.722189314	N	0	N
CNTN2	0.722241527	N	0	N
CEP120	0.722331283	N	0	N
AC136632.2	0.722343719	N	0	N
AC009220.2	0.722461982	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
ACSF2	0.722461982	N	0	N
BAG1	0.722461982	N	3	N
MROH9	0.722578761	N	0	N
SGSM2	0.72274786	N	2	N
AL513210.1	0.723072961	N	0	N
RBMS3	0.723072961	N	0	N
FNBP4	0.723156168	N	0	N
ELP3	0.723166201	N	1	N
ADGB	0.723272532	N	0	N
FLYWCH1P1	0.723272532	N	0	N
AEBP1	0.723329742	N	4	N
AL589743.1	0.723329742	N	0	N
ATP13A4	0.723329742	N	0	N
CP	0.723329742	N	1000	Y
GPANK1	0.723329742	N	0	N
MIAP	0.723329742	N	0	N
AC125238.2	0.723488398	N	0	N
MREG	0.723488398	N	1	N
MRPS12	0.723506788	N	0	N
AC115618.3	0.723695856	N	0	N
RN7SL368P	0.723695856	N	0	N
CNN3	0.723803017	N	1	N
ZNF319	0.723833868	N	0	N
LRCH4	0.723955947	N	0	N
LRP4	0.723955947	N	3	N
MED11	0.723955947	N	0	N
PMEPA1	0.723955947	N	1	N
NPTN	0.724043111	N	0	N
RAC1	0.724135225	N	235	Y
MRPS18A	0.724200607	N	0	N
LINC00620	0.724708025	N	0	N
HSPA8	0.724803028	N	14	N
TSM	0.724803028	N	0	N
ZCCHC2	0.724803028	N	0	N
LGALS1	0.724842778	N	23	N
AC007938.4	0.724856827	N	0	N
AC016739.1	0.724856827	N	0	N
ADAMTS10	0.724856827	N	0	N
AL390838.1	0.724856827	N	0	N
AP001160.4	0.724856827	N	0	N
KLHDC3	0.724856827	N	0	N
PCYT1B	0.724856827	N	0	N
RCBTB1	0.724856827	N	0	N
SDCCAG3P2	0.724856827	N	0	N
SZT2	0.724856827	N	0	N
DNM1P34	0.724933265	N	0	N
NAA20	0.724933265	N	0	N
AC120498.9	0.724955608	N	0	N
PSMD10P3	0.724972106	N	0	N
UROS	0.725020398	N	1	N
ZC3H12D	0.725063544	N	0	N
TM6SF1	0.725337931	N	0	N
ZNF484	0.725337931	N	0	N
AL589666.1	0.72540444	N	0	N
TDRKH	0.72540444	N	0	N
ARFIP2	0.725834979	N	1	N
MDGA1	0.725960872	N	1	N
AP001043.1	0.726077015	N	0	N
NMT1	0.726180155	N	0	N
LEMD3	0.7264434	N	0	N
POLM	0.7264434	N	0	N
PRDM4	0.7264434	N	1	N
PRLR	0.7264434	N	65	N
TGFBR3	0.7264434	N	11	N
AC008592.3	0.72647231	N	0	N
RBM27	0.72647231	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
DOK4	0.726562342	N	6	N
LIG3	0.726562342	N	1	N
RBFOX3	0.726562342	N	0	N
SELENOWP1	0.726562342	N	0	N
SEPT4	0.726583451	N	1	N
B4GALNT2	0.726583451	N	1	N
IDE	0.726583451	N	772	Y
KIAA0907	0.726606017	N	0	N
ATP10A	0.726717505	N	5	N
NDUFB5	0.726717505	N	3	N
ROR1	0.726737835	N	8	N
AC133528.2	0.726753812	N	0	N
ATG12	0.726753812	N	21	N
BASP1	0.726753812	N	0	N
KCTD17	0.726753812	N	1	N
ZBTB6	0.726757457	N	0	N
SPP2	0.726863728	N	1	N
RFWD2	0.726884501	N	1	N
DDX19B	0.726927349	N	0	N
RPA4	0.726927349	N	0	N
ASPCR1	0.726939989	N	11	N
TMEM251	0.726939989	N	0	N
FH	0.727034577	N	223	Y
AMDHD1	0.727129977	N	0	N
IFNAR2	0.727129977	N	4	N
PPIG	0.727129977	N	0	N
UBA7	0.727129977	N	0	N
VN1R80P	0.727129977	N	0	N
BMS1P8	0.727134534	N	0	N
AKR1C1	0.727141112	N	3	N
SDHA	0.727141112	N	16	N
AL359880.1	0.727235196	N	0	N
CAPN14	0.727235196	N	0	N
CYP1A2	0.727235196	N	43	N
DFNB59	0.727235196	N	0	N
RPL3P4	0.727235196	N	0	N
RPS15AP1	0.727235196	N	0	N
RUNX2	0.727235196	N	212	Y
ZNF521	0.727235196	N	1	N
FCFIP8	0.727315654	N	0	N
HLA-F-AS1	0.727315654	N	0	N
CDKL2	0.727373747	N	0	N
VPS11	0.727685323	N	0	N
ZNF266	0.727738402	N	0	N
BABAM1	0.727887352	N	0	N
AC092045.1	0.728027707	N	0	N
COL4A2	0.728355334	N	5	N
PLXNB1	0.728553846	N	3	N
TTC39B	0.728553846	N	0	N
LRRTM4	0.728816556	N	0	N
RNF31	0.728816556	N	0	N
MYADM	0.728819403	N	0	N
AC068446.2	0.728914962	N	0	N
AC079944.2	0.728928305	N	0	N
GDPD3	0.728930671	N	0	N
IGF2BP3	0.728930671	N	182	Y
PIGA	0.728930671	N	6	N
RAB26	0.728930671	N	1	N
SOGA3	0.728930671	N	0	N
CCNT2	0.728972107	N	0	N
PRKG2	0.728972107	N	2	N
AC117394.1	0.728986994	N	0	N
NUBP2	0.728986994	N	3	N
PCBP3	0.728986994	N	0	N
PRCC	0.728986994	N	252	Y
USP20	0.728986994	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AP000787.1	0.729028012	N	0	N
ERP29	0.729028012	N	7	N
MMP11	0.729028012	N	4	N
TNPO2	0.729028012	N	0	N
TSPYL4	0.729028012	N	0	N
CHD1L	0.72909893	N	0	N
ALDH5A1	0.729144284	N	1	N
CCT8P1	0.729144284	N	0	N
AC087500.2	0.72935595	N	0	N
AC139491.2	0.72935595	N	0	N
ZNF438	0.72935595	N	0	N
AL024507.2	0.729373818	N	0	N
CD82	0.729406373	N	2	N
SDHAF1	0.729406373	N	1	N
AL359697.1	0.729525245	N	0	N
AREL1	0.729525245	N	0	N
CFAP44	0.729525245	N	0	N
RAB18	0.729525245	N	4	N
AL390039.1	0.729557389	N	0	N
ZC3H18	0.729598329	N	0	N
TPH2	0.729624738	N	13	N
MRPL54	0.729753372	N	0	N
TLR10	0.729753372	N	2	N
AC092828.1	0.729772641	N	0	N
CAVIN2	0.729772641	N	2	N
PI4K2B	0.729903259	N	0	N
RAB31	0.729903259	N	5	N
EXD1	0.72995457	N	0	N
IGSF10	0.72995457	N	1	N
MYB	0.72995457	N	52	N
SAMD1	0.72995457	N	0	N
AC024575.1	0.730134152	N	0	N
ACTR8	0.730134152	N	0	N
AL355472.2	0.730134152	N	0	N
CCNK	0.730134152	N	0	N
LMBR1	0.730134152	N	1	N
MPHOSPH6	0.730134152	N	0	N
TMEM30B	0.730134152	N	0	N
EN2	0.730217574	N	4	N
PLA2G6	0.730217574	N	31	N
AC064836.3	0.730233328	N	0	N
MED29	0.730233328	N	0	N
ICAM3	0.730383382	N	2	N
AC024560.2	0.730505678	N	0	N
C1orf159	0.730505678	N	0	N
AC026691.1	0.730524778	N	0	N
AC027644.3	0.730524778	N	0	N
AC099521.2	0.730524778	N	0	N
AGPAT1	0.730524778	N	6	N
ATP1B1P1	0.730524778	N	0	N
B4GALNT4	0.730524778	N	0	N
ENTPD6	0.730524778	N	1	N
SSTR3	0.730524778	N	35	N
Z94721.1	0.730524778	N	0	N
AC009487.2	0.730613223	N	0	N
SLC17A8	0.730613223	N	1	N
SNHG4	0.730613223	N	0	N
SNHG7	0.730613223	N	0	N
TCEAL1	0.730613223	N	0	N
ZNF41	0.730613223	N	0	N
ID12-AS1	0.73070496	N	0	N
IKZF4	0.73070496	N	4	N
NOTCH4	0.73070496	N	5	N
RN7SL92P	0.73070496	N	0	N
SH3RF1	0.73070496	N	0	N
ST20	0.73070496	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
YARS	0.73070496	N	1	N
EVI5L	0.730712419	N	0	N
GBP5	0.730712419	N	3	N
RAB3A	0.730712419	N	47	N
RP11-465K1.2	0.730783824	N	0	N
AC053503.5	0.73083649	N	0	N
MPRIPP1	0.73083649	N	0	N
DAB1	0.730839218	N	3	N
C15orf48	0.730872813	N	0	N
KCTD6	0.730872813	N	0	N
TRIAP1	0.730877863	N	0	N
ARG2	0.730935438	N	13	N
MC1R	0.730947347	N	5	N
UCP2	0.731028538	N	500	Y
RPL7AP8	0.731053449	N	0	N
HBEGF	0.73134798	N	51	N
ZFYVE16	0.73134798	N	0	N
CACNA2D3	0.731443103	N	2	N
ABCA3	0.731478036	N	1	N
AC004980.2	0.731478036	N	0	N
AC010531.4	0.731478036	N	0	N
AC093525.8	0.731478036	N	0	N
AC144450.1	0.731478036	N	0	N
AL356276.2	0.731478036	N	0	N
ATP8B2	0.731478036	N	1	N
C1QTNF12	0.731478036	N	8	N
CELP	0.731478036	N	0	N
CMAS	0.731478036	N	3	N
CNR1	0.731478036	N	45	N
CNTLN	0.731478036	N	0	N
CUL2	0.731478036	N	0	N
FCER1G	0.731478036	N	2	N
IFIT1	0.731478036	N	1	N
LIAS	0.731478036	N	3	N
MAMSTR	0.731478036	N	1	N
PBX3	0.731478036	N	1	N
RSRC2	0.731478036	N	0	N
SLC25A15	0.731478036	N	0	N
SPATA18	0.731478036	N	0	N
SRSF5	0.731478036	N	0	N
TOMM70	0.731478036	N	0	N
TRIB2	0.731478036	N	1	N
Z82195.2	0.731478036	N	0	N
ZNF593	0.731478036	N	0	N
ZNF800	0.731478036	N	0	N
FGFR3	0.731569439	N	50	N
GBE1	0.731569439	N	2	N
PADI1	0.731569439	N	0	N
FZD10-AS1	0.731585879	N	0	N
SCN4A	0.731585879	N	5	N
AC007191.1	0.731660775	N	0	N
AC135178.2	0.731660775	N	0	N
AL137058.3	0.731660775	N	0	N
DTL	0.731660775	N	2	N
ERMARD	0.731660775	N	0	N
HILS1	0.731660775	N	1	N
IPPK	0.731660775	N	0	N
PRDX2P4	0.731660775	N	0	N
SMTN	0.731660775	N	0	N
TCTA	0.731660775	N	0	N
TTC9	0.731660775	N	0	N
AC007570.1	0.731844129	N	0	N
ZNF358	0.731849533	N	0	N
ABCG4	0.731951719	N	4	N
PRMT9	0.731961914	N	0	N
HNRNPKP3	0.732000228	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
KRASP1	0.732100864	N	0	N
ATP6V1G1P4	0.732465274	N	0	N
AC020978.10	0.732782441	N	0	N
BTN2A1	0.732782441	N	0	N
POLR1B	0.732782441	N	0	N
MOV10	0.732805044	N	0	N
SSBP1	0.732868525	N	0	N
AL133284.1	0.732907347	N	0	N
LSM8	0.732907347	N	1	N
MAP2K4P1	0.732907347	N	0	N
MRPL47	0.732907347	N	0	N
SCG3	0.732907347	N	2	N
AL391840.1	0.732935799	N	0	N
LOXL1	0.732935799	N	2	N
TDG	0.732935799	N	4	N
SRSF11	0.732935814	N	0	N
CD93	0.733158323	N	2	N
VPS37C	0.733158323	N	0	N
AP3B1	0.733226214	N	0	N
MIATNB	0.733489328	N	0	N
CRADD	0.733561119	N	1	N
AC005614.1	0.733651025	N	0	N
ASTE1	0.733651025	N	0	N
PEA15	0.733852884	N	24	N
ZNF526	0.733964944	N	0	N
AL391056.1	0.734054443	N	0	N
KCTD21	0.734054443	N	0	N
AC007395.1	0.734060179	N	0	N
AC011290.2	0.734060179	N	0	N
AC079610.2	0.734060179	N	0	N
AC090877.1	0.734060179	N	0	N
AC092324.1	0.734060179	N	0	N
AC093510.1	0.734060179	N	0	N
AC122713.1	0.734060179	N	0	N
AL049792.1	0.734060179	N	0	N
AL110118.1	0.734060179	N	0	N
AL117328.2	0.734060179	N	0	N
APRT	0.734060179	N	5	N
CIITA	0.734060179	N	5	N
CLIP3	0.734060179	N	1	N
CMTR2	0.734060179	N	0	N
COX7A1	0.734060179	N	8	N
CU638689.5	0.734060179	N	0	N
CYP7B1	0.734060179	N	19	N
EIF1AD	0.734060179	N	0	N
ESPNL	0.734060179	N	0	N
FGD5P1	0.734060179	N	0	N
FHOD1	0.734060179	N	1	N
FTSJ1	0.734060179	N	0	N
LINC00092	0.734060179	N	0	N
LRPAP1	0.734060179	N	3	N
LRRC24	0.734060179	N	0	N
LRRC74B	0.734060179	N	0	N
PDLIM4	0.734060179	N	0	N
PSTK	0.734060179	N	0	N
RPEP1	0.734060179	N	0	N
RPS13	0.734060179	N	1	N
RSL24D1P11	0.734060179	N	0	N
SDCBP2	0.734060179	N	0	N
SNORA73B	0.734060179	N	0	N
SPANXA2-OT1	0.734060179	N	0	N
STAC3	0.734060179	N	1	N
SYPL1	0.734060179	N	2	N
TMEM200B	0.734060179	N	0	N
TMEM242	0.734060179	N	0	N
Z83844.1	0.734060179	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
ZNF252P	0.734060179	N	0	N
AC021945.1	0.734316362	N	0	N
ADGRA1	0.734316362	N	0	N
CASP2	0.734316362	N	6	N
EIF3D	0.734316362	N	0	N
EXOC3-AS1	0.734316362	N	0	N
FZD2	0.734316362	N	2	N
GPAT4	0.734316362	N	11	N
GSDMC	0.734316362	N	0	N
LINC02556	0.734316362	N	0	N
NAT1	0.734316362	N	4	N
TOM1L1	0.734316362	N	0	N
HMG2P5	0.734369003	N	0	N
AC044802.1	0.734413113	N	0	N
AC109635.6	0.734413113	N	0	N
B3GNT8	0.734413113	N	0	N
C12orf56	0.734413113	N	0	N
CWC22	0.734413113	N	1	N
ECD	0.734413113	N	63	N
GCLM	0.734413113	N	11	N
HFE	0.734413113	N	93	N
NAPB	0.734413113	N	3	N
NECTIN1	0.734413113	N	0	N
PRDX2	0.734413113	N	6	N
LRRC2-AS1	0.734425538	N	0	N
AC138430.1	0.734441862	N	0	N
BCORL1	0.734441862	N	0	N
GEMIN2P2	0.734441862	N	0	N
MCF2L	0.734441862	N	0	N
NOL6	0.734441862	N	0	N
PPIL3	0.734441862	N	0	N
TPPP3	0.734441862	N	0	N
ZNF675	0.73464133	N	0	N
HOXA13	0.73470653	N	3	N
RPSAP36	0.734800472	N	0	N
ZNF300	0.734800472	N	0	N
AC010931.2	0.734831911	N	0	N
ADTRP	0.734831911	N	0	N
AP002026.1	0.734831911	N	0	N
FEM1B	0.734831911	N	2	N
HYAL3	0.734831911	N	0	N
LRRC75B	0.734831911	N	0	N
MB21D2	0.734831911	N	0	N
Metazoa_SRP	0.734831911	N	0	N
OLFM5P	0.734831911	N	0	N
RGS4	0.734831911	N	14	N
RPUSD3	0.734831911	N	0	N
STXBP5L	0.734831911	N	2	N
SYNM	0.734831911	N	0	N
VAX1	0.734831911	N	1	N
ZNF213-AS1	0.734831911	N	0	N
AC069307.1	0.734833264	N	0	N
EIF6	0.734833264	N	8	N
LINC01117	0.734833264	N	0	N
LINC01460	0.734833264	N	0	N
LIX1-AS1	0.734833264	N	0	N
TCF7L1-IT1	0.734833264	N	0	N
ZBTB80S	0.734833264	N	0	N
AC040169.3	0.734879338	N	0	N
AC097662.1	0.734879338	N	0	N
AC138894.2	0.734879338	N	0	N
ATO8	0.734879338	N	1	N
SLC9A4	0.734879338	N	0	N
SP3P	0.734976123	N	0	N
AS3MT	0.735008573	N	3	N
HSPA6	0.735008573	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
PDSS1P1	0.735008573	N	0	N
KCTD2	0.735101486	N	0	N
TNFRSF10C	0.735101486	N	1	N
AL353708.3	0.73539407	N	0	N
FAHD2B	0.735431984	N	0	N
FKBP10	0.735666429	N	0	N
DMAP1	0.735711908	N	0	N
HHIPL2	0.735711908	N	0	N
KLK11	0.735711908	N	1	N
PGR	0.735711908	N	76	N
SPP1	0.735711908	N	100	N
AC010478.1	0.735803355	N	0	N
BX119904.1	0.735803355	N	0	N
SLC16A1-AS1	0.735803355	N	0	N
ZNF362	0.735803355	N	0	N
AP005263.1	0.73590284	N	0	N
NIPSNAP1	0.73590284	N	0	N
AC092171.4	0.735969722	N	0	N
ARMCX6	0.735969722	N	0	N
CFL2	0.735969722	N	1	N
GRAMD1C	0.735969722	N	0	N
AL929302.1	0.736311717	N	0	N
MRPL55	0.736311717	N	0	N
RN7SKP185	0.736338861	N	0	N
MECR	0.736353685	N	0	N
AL450063.1	0.736483021	N	0	N
CDIPT	0.736483021	N	2	N
GNPTAB	0.736483021	N	0	N
GTF3C6	0.736483021	N	0	N
IBTK	0.736483021	N	0	N
PNPLA7	0.736483021	N	2	N
RN7SKP255	0.736483021	N	0	N
RPL12P25	0.736483021	N	0	N
RPL35P2	0.736483021	N	0	N
TBL1XR1	0.736483021	N	2	N
TMEM161A	0.736483021	N	1	N
SP3	0.73648625	N	51	N
PRKG1	0.736500109	N	9	N
GALNT6	0.736646514	N	0	N
OSTF1	0.736646514	N	2	N
AC083801.2	0.736698972	N	0	N
KIAA1468	0.736752933	N	0	N
PEX19	0.736755641	N	0	N
SNORA74D	0.736864087	N	0	N
AC131888.1	0.737046476	N	0	N
PMPCAP1	0.737053837	N	0	N
AL049794.1	0.737062172	N	0	N
NPIP15	0.737062172	N	0	N
AC023055.1	0.737141709	N	0	N
AC091132.1	0.737141709	N	0	N
DGCR11	0.737141709	N	0	N
LYRM7	0.737141709	N	0	N
NDUFS4	0.737179163	N	1	N
AC087897.1	0.73723595	N	0	N
SPATA6L	0.737261538	N	0	N
STEAP1	0.737353838	N	0	N
MAP7D2	0.737535154	N	0	N
AC084854.1	0.737636844	N	0	N
NCAN	0.737636844	N	9	N
RN7SL577P	0.737636844	N	0	N
AC027613.1	0.737664532	N	0	N
AL137025.1	0.737664532	N	0	N
ZNF85	0.737823545	N	0	N
MUC6	0.738273264	N	8	N
IL24	0.738614902	N	3	N
GS1-124K5.4	0.738678879	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
FAM35CP	0.738693441	N	0	N
FAM186A	0.738702401	N	0	N
SLX4	0.738702401	N	0	N
ZBTB20	0.738702401	N	3	N
DNALI1	0.738801935	N	0	N
INSM1	0.738801935	N	20	N
MRRFP1	0.738801935	N	0	N
AC027682.6	0.738989479	N	0	N
AL359551.1	0.738989479	N	0	N
FAM216B	0.738989479	N	0	N
GPRC5B	0.738989479	N	4	N
OPRM1	0.738989479	N	5	N
PGM3	0.738989479	N	0	N
UG0898H09	0.738989479	N	0	N
AL031282.1	0.739207557	N	0	N
FBXW2	0.739207557	N	0	N
PAPOLB	0.739207557	N	1	N
AC010809.2	0.739287223	N	0	N
PAQR7	0.739287223	N	3	N
CDK8	0.739478603	N	9	N
MCTS1	0.739478603	N	2	N
USP10	0.739478603	N	3	N
AC046176.1	0.739535293	N	0	N
AC078802.1	0.739535293	N	0	N
CAPRIN1	0.739584585	N	1	N
CRYM-AS1	0.739712102	N	0	N
PDLIM1	0.739712102	N	0	N
PDLIM7	0.739712102	N	7	N
AC023632.6	0.739815862	N	0	N
AP000894.1	0.739815862	N	0	N
GRIN1	0.739815862	N	0	N
OR52T1P	0.739815862	N	0	N
SNX18P7	0.739815862	N	0	N
EIF1	0.739882184	N	0	N
GOSR2	0.739882184	N	0	N
MIR181A1HG	0.739882184	N	0	N
MRPS16P1	0.739882184	N	0	N
QTRT1	0.739882184	N	0	N
AC115284.1	0.73993194	N	0	N
LINC01152	0.73998821	N	0	N
TIGD3	0.73998821	N	0	N
AP001437.1	0.74004613	N	0	N
NIFKP4	0.74004613	N	0	N
ZNF70	0.74004613	N	0	N
GCK	0.740114771	N	475	Y
AC024941.2	0.740160008	N	0	N
CHSY1	0.740188729	N	1	N
GALNT15	0.740188729	N	0	N
OR6A2	0.740188729	N	0	N
SRPX	0.740188729	N	0	N
ATG2A	0.740270271	N	0	N
LINC00982	0.74060411	N	0	N
AL118558.1	0.74064397	N	0	N
RBBP5	0.74064397	N	1	N
SPIRE2	0.74064397	N	0	N
SRP14	0.74064397	N	0	N
AC007663.3	0.741005971	N	0	N
PARK7	0.741005971	N	17	N
AL450489.1	0.741010594	N	0	N
QDPR	0.741010594	N	1	N
CCAR1	0.741220055	N	1	N
RTN2	0.74139059	N	1	N
SLC9B2	0.74139059	N	1	N
AGPAT4-IT1	0.741536805	N	0	N
ATP5S	0.741536805	N	0	N
C22orf23	0.741536805	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
NT5C	0.741536805	N	2	N
ONECUT1	0.741536805	N	26	N
SREBF1	0.741536805	N	598	Y
SS18L2P1	0.741536805	N	0	N
DPP9	0.741619109	N	13	N
CCNH	0.741755251	N	1	N
CCDC158	0.741840602	N	0	N
RPL26P30	0.741944565	N	0	N
TMEM53	0.741944565	N	0	N
BTF3P6	0.741980344	N	0	N
N4BP1	0.74200173	N	0	N
AC007780.1	0.742003761	N	0	N
AC009133.3	0.742003761	N	0	N
AC109460.1	0.742003761	N	0	N
AC124068.2	0.742003761	N	0	N
BTF3L4P1	0.742003761	N	0	N
CLDN11	0.742003761	N	3	N
GSDMD	0.742003761	N	0	N
LHX5	0.742003761	N	4	N
MICALL2	0.742003761	N	0	N
PECR	0.742003761	N	1	N
PKNOX1	0.742003761	N	14	N
RN7SL552P	0.742003761	N	0	N
RNF138	0.742003761	N	0	N
RP11-65I12.1	0.742003761	N	0	N
SLC22A1	0.742003761	N	11	N
SLC25A53	0.742003761	N	0	N
SLC4A1AP	0.742003761	N	0	N
SNX27	0.742003761	N	1	N
TDGP1	0.742003761	N	0	N
TINAGL1	0.742003761	N	0	N
TRMT1	0.742003761	N	0	N
YWHAZP6	0.742003761	N	0	N
ZNF268	0.742003761	N	0	N
AP002847.1	0.74209835	N	0	N
AC116407.3	0.742117571	N	0	N
MBP	0.74216483	N	196	Y
ASCC3	0.742208897	N	0	N
AC105206.1	0.742241222	N	0	N
SOX13	0.742241222	N	4	N
AC069366.1	0.742426032	N	0	N
AC106872.5	0.742426032	N	0	N
AL160291.1	0.742426032	N	0	N
COPS7B	0.742426032	N	0	N
LINC01024	0.742426032	N	0	N
MYO18B	0.742426032	N	1	N
RBM42	0.742426032	N	0	N
AL031673.1	0.742501674	N	0	N
JARID2	0.742517153	N	2	N
NOP10	0.742561504	N	0	N
SCN1A	0.742561504	N	2	N
RBM38	0.742578773	N	0	N
AC112220.2	0.742639781	N	0	N
AL162274.3	0.742639781	N	0	N
RPL17P10	0.742639781	N	0	N
ZMAT5	0.742712824	N	0	N
AP005205.3	0.742829663	N	0	N
AC004223.2	0.742871843	N	0	N
AC104184.1	0.742871843	N	0	N
AL031848.2	0.742871843	N	0	N
IZUMO1	0.742871843	N	0	N
RAB5C	0.742871843	N	5	N
SARDH	0.742871843	N	1	N
BAG5	0.742897377	N	0	N
XG	0.742902799	N	14	N
AC124017.1	0.742905403	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
KLHL26	0.74290544	N	0	N
Z97985.1	0.74290544	N	0	N
AC010890.1	0.742916027	N	0	N
PLD6	0.743011794	N	0	N
CTNNA1P1	0.743114623	N	0	N
DCAKD	0.743114623	N	0	N
PBX2	0.743114623	N	2	N
PCF11-AS1	0.743114623	N	0	N
RBCK1	0.743114623	N	0	N
SELENOW	0.743114623	N	0	N
TMEM170B	0.743114623	N	0	N
TPP1	0.743114623	N	0	N
AC007382.1	0.743116647	N	0	N
AC016397.2	0.743116647	N	0	N
CLNK	0.743116647	N	0	N
FAM213B	0.743116647	N	0	N
LONRF1	0.743116647	N	0	N
PRTFDC1	0.743116647	N	0	N
AC005332.8	0.743145233	N	0	N
AL139005.1	0.743145233	N	0	N
POMP	0.743145233	N	23	N
RLIM	0.743145233	N	1	N
ABCA7	0.743220646	N	1	N
AC073957.2	0.743220646	N	0	N
AC090589.3	0.743220646	N	0	N
AL133353.1	0.743220646	N	0	N
AP003108.4	0.743220646	N	0	N
CASS4	0.743220646	N	0	N
EEF1B2P8	0.743220646	N	0	N
FAM229A	0.743220646	N	0	N
FAM86C2P	0.743220646	N	0	N
FAS	0.743220646	N	1000	Y
GAP43	0.743220646	N	16	N
HNRNPUL2-BSCL2	0.743220646	N	0	N
LINC01504	0.743220646	N	0	N
MCOLN2	0.743220646	N	1	N
MIR193BHG	0.743220646	N	0	N
POLR2E	0.743220646	N	0	N
POM121L7P	0.743220646	N	0	N
RAB36	0.743220646	N	0	N
SCAF4	0.743220646	N	0	N
SIAH2	0.743220646	N	3	N
SPNS1	0.743220646	N	0	N
STX10	0.743220646	N	0	N
TOMM40L	0.743220646	N	0	N
TRAK2	0.743220646	N	0	N
AQP10	0.743257856	N	4	N
PAICSP1	0.743257856	N	0	N
TAPBPL	0.743440551	N	0	N
AC010329.1	0.743522532	N	0	N
AL078603.1	0.743522532	N	0	N
ALMS1	0.743522532	N	53	N
FLII	0.743522532	N	1	N
AL162390.1	0.743751878	N	0	N
SFXN1	0.743751878	N	2	N
COMTD1	0.743942831	N	0	N
ECE1	0.743942831	N	7	N
AC087499.5	0.744006202	N	0	N
PLEKHA2	0.74403036	N	2	N
CBX1P2	0.744048985	N	0	N
MSRB1	0.744048985	N	3	N
AC004754.1	0.744080831	N	0	N
AC119403.1	0.744080831	N	0	N
AL109615.3	0.744080831	N	0	N
ALG11	0.744080831	N	0	N
ATP2B1	0.744080831	N	7	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
ATXN7L2	0.744080831	N	0	N
C9orf153	0.744080831	N	0	N
GABBR1	0.744080831	N	1	N
MFSD1	0.744080831	N	0	N
RCC2P4	0.744080831	N	0	N
TMEM256-PLSCR3	0.744080831	N	0	N
CABLES2	0.744120097	N	0	N
NPM1P6	0.744120097	N	0	N
AC073335.2	0.744147522	N	0	N
RYR3	0.744147522	N	92	N
AC068491.1	0.744215214	N	0	N
ANKRD45	0.744215214	N	0	N
DLGAP1-AS1	0.744215214	N	0	N
DUXAP9	0.744215214	N	0	N
IFI6	0.744215214	N	0	N
SUDS3	0.744215214	N	0	N
TRMT61A	0.744215214	N	0	N
SLC44A2	0.744328378	N	0	N
AC068491.4	0.744331053	N	0	N
CLIC2	0.744331053	N	0	N
EXOSC5	0.744331053	N	0	N
IRF2BP1	0.744331053	N	0	N
NME7	0.744331053	N	0	N
OLFML2B	0.744331053	N	0	N
AC020612.1	0.744343666	N	0	N
ADAM23	0.744343666	N	1	N
AL137060.1	0.744343666	N	0	N
ITPKA	0.744343666	N	0	N
NARF-IT1	0.744378251	N	0	N
USP2	0.744378251	N	3	N
AC139769.1	0.744512717	N	0	N
PDCD1LG2	0.744512717	N	0	N
ZNF772	0.744512717	N	0	N
AC104109.2	0.744695511	N	0	N
KRBA2	0.744695511	N	0	N
TTC28	0.744695511	N	1	N
CSF1	0.744812777	N	12	N
ARFGAP2	0.744941511	N	0	N
PARD6G	0.744949394	N	0	N
RPLP0	0.744949394	N	5	N
THAP5P1	0.744949394	N	0	N
NDUFA4L2	0.745023722	N	1	N
AL391069.3	0.745255576	N	0	N
EPC1	0.745255576	N	0	N
FAHD2P1	0.745255576	N	0	N
NCBP3	0.745255576	N	0	N
NDUFS2	0.745255576	N	1	N
PDIA5	0.745255576	N	0	N
PLXNA1	0.745255576	N	0	N
AC092447.1	0.745347678	N	0	N
INHA	0.745347678	N	110	Y
LINC00507	0.745347678	N	0	N
SPATS2L	0.745347678	N	2	N
FLJ20021	0.745433537	N	0	N
WISP2	0.745557944	N	17	N
C17orf77	0.745676269	N	0	N
DM1-AS	0.745676269	N	1	N
ELOA-AS1	0.745676269	N	0	N
LINC00483	0.745676269	N	0	N
AL354685.2	0.745802825	N	0	N
AL359976.1	0.745802825	N	0	N
EPS8L2	0.745802825	N	0	N
MED15	0.745802825	N	1	N
RN7SL811P	0.745802825	N	0	N
AC007950.2	0.745901438	N	0	N
AC037487.1	0.745901438	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
FLJ42102	0.745901438	N	0	N
HMGB1P3	0.745901438	N	0	N
IRX1	0.745901438	N	1	N
LINC01443	0.745901438	N	0	N
MIR210HG	0.745901438	N	1	N
NTAN1	0.745901438	N	0	N
PLA1A	0.745901438	N	0	N
PPP1R21	0.745901438	N	0	N
RSU1P2	0.745901438	N	0	N
TBC1D1	0.745901438	N	115	Y
TPT1P9	0.745901438	N	0	N
U1	0.745901438	N	13	N
ZNF26	0.745901438	N	0	N
RNASEL	0.746357139	N	2	N
MEG8	0.746401834	N	0	N
AC007342.1	0.746500072	N	0	N
AC114300.1	0.746500286	N	0	N
RBMXL1	0.746500286	N	0	N
RNF40	0.746500286	N	1	N
ACSL4	0.746518906	N	18	N
LTV1	0.746518906	N	0	N
TPK1	0.746518906	N	1	N
SOCS6	0.746803106	N	9	N
MYL12BP2	0.746846663	N	0	N
GDI2P2	0.746966467	N	0	N
VAPB	0.746966467	N	2	N
AC131009.4	0.746969425	N	0	N
EMX2OS	0.746969425	N	0	N
FAM208A	0.746969425	N	0	N
FGD2	0.746969425	N	0	N
GPATCH11	0.746969425	N	0	N
POLR3B	0.746969425	N	0	N
TP53RK	0.746969425	N	0	N
AC095052.1	0.747037422	N	0	N
AP003168.2	0.747037422	N	0	N
C2orf66	0.747037422	N	0	N
SOCS3	0.747037422	N	428	Y
AC093014.1	0.747041032	N	0	N
AC092642.1	0.747123086	N	0	N
AL606763.1	0.747123086	N	0	N
PRPF40A	0.747123086	N	0	N
RN7SL653P	0.747123086	N	0	N
LINC00571	0.747229931	N	0	N
THPO	0.747229931	N	1	N
AC132812.1	0.747287409	N	0	N
CXXC1	0.747347515	N	0	N
GNL2	0.747347515	N	0	N
IGHEP2	0.747593402	N	0	N
DNAJC27	0.747658403	N	2	N
SSSCA1-AS1	0.747658403	N	0	N
AC004014.2	0.747881619	N	0	N
AL033397.1	0.747881619	N	0	N
ITM2A	0.747881619	N	3	N
LETMD1	0.747881619	N	1	N
NME4	0.747881619	N	0	N
PES1P1	0.747881619	N	0	N
PMP22	0.747881619	N	7	N
SURF4	0.747881619	N	0	N
AC012291.1	0.747938421	N	0	N
DNAJC27-AS1	0.747938421	N	0	N
FAM84B	0.747938421	N	0	N
ICK	0.747938421	N	4	N
TSNAX	0.747938421	N	0	N
SEPT2	0.74807878	N	2	N
AASS	0.74807878	N	5	N
AC008972.2	0.74807878	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC010643.1	0.74807878	N	0	N
AGGF1P7	0.74807878	N	0	N
AL592211.1	0.74807878	N	0	N
AUP1	0.74807878	N	0	N
BX323845.3	0.74807878	N	0	N
C6orf226	0.74807878	N	0	N
CAHM	0.74807878	N	0	N
CLCN6	0.74807878	N	0	N
DTNA	0.74807878	N	0	N
ENSA	0.74807878	N	10	N
FAM27C	0.74807878	N	0	N
FCHSD1	0.74807878	N	0	N
GREB1	0.74807878	N	2	N
HGFAC	0.74807878	N	1	N
IL1RL1	0.74807878	N	11	N
KRT8P36	0.74807878	N	0	N
MFAP2	0.74807878	N	2	N
MIR17HG	0.74807878	N	2	N
MORN3	0.74807878	N	0	N
PIK3AP1	0.74807878	N	1	N
PLEKHF2	0.74807878	N	0	N
PRMT6	0.74807878	N	4	N
RN7SL68P	0.74807878	N	0	N
RPS6KA4	0.74807878	N	2	N
SLC36A4	0.74807878	N	0	N
SLC38A7	0.74807878	N	0	N
SMN1	0.74807878	N	14	N
SRRM1P3	0.74807878	N	0	N
TMEM145	0.74807878	N	0	N
UTS2R	0.74807878	N	11	N
UXT	0.74807878	N	0	N
VPS36	0.74807878	N	1	N
WASF4P	0.74807878	N	0	N
ZMAT2	0.74807878	N	0	N
AC004069.2	0.748149388	N	0	N
AC008073.3	0.748149388	N	0	N
AC009509.1	0.748149388	N	0	N
AC099494.2	0.748149388	N	0	N
AC116158.1	0.748149388	N	0	N
AC146507.2	0.748149388	N	0	N
AL669983.1	0.748149388	N	0	N
CPPED1	0.748149388	N	1	N
IDH1-AS1	0.748149388	N	0	N
IQCA1	0.748149388	N	0	N
LDHC	0.748149388	N	3	N
LURAP1	0.748149388	N	0	N
RBM45	0.748149388	N	0	N
SERPINB9P1	0.748149388	N	0	N
SUB1P1	0.748149388	N	0	N
TRPC1	0.748149388	N	13	N
ZEB2-AS1	0.748149388	N	0	N
AL391261.1	0.748318693	N	0	N
MED28P4	0.748318693	N	0	N
NR1D1	0.748318693	N	22	N
AC006262.2	0.748399885	N	0	N
AC011466.4	0.748399885	N	0	N
HIST3H2BB	0.748399885	N	0	N
NUDT17	0.748399885	N	0	N
PLEKHM1	0.748399885	N	0	N
ZNF205-AS1	0.748399885	N	0	N
TMX2	0.748459017	N	0	N
B3GNT5	0.748481213	N	0	N
LZTR1	0.748481213	N	1	N
PSG9	0.748481213	N	1	N
AC245052.4	0.748531839	N	0	N
AL032819.2	0.748531839	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
WDR61	0.748531839	N	0	N
AL023775.1	0.748558457	N	0	N
COCH	0.748558457	N	4	N
AL390728.2	0.748626712	N	0	N
AC023449.2	0.748884295	N	0	N
AP000265.1	0.748884295	N	0	N
ARL13B	0.748884295	N	0	N
C6orf223	0.748884295	N	0	N
DEPDC5	0.748884295	N	0	N
DNAH17	0.748884295	N	0	N
FGF9	0.748884295	N	15	N
FXR1	0.748884295	N	3	N
GPRC5C	0.748884295	N	1	N
GPX1P1	0.748884295	N	0	N
HRAT92	0.748884295	N	0	N
KDM3A	0.748884295	N	2	N
KLHL10	0.748884295	N	0	N
LAPTM4BP1	0.748884295	N	0	N
LINC02511	0.748884295	N	0	N
PEX2	0.748884295	N	1	N
PHACTR2	0.748884295	N	0	N
POLR2B	0.748884295	N	0	N
RPL8	0.748884295	N	2	N
SMIM3	0.748884295	N	0	N
SRRM4	0.748884295	N	0	N
STN1	0.748884295	N	0	N
NPM1P39	0.749013972	N	0	N
OXSM	0.749013972	N	0	N
AL391834.2	0.74904142	N	0	N
SLC16A7	0.74904142	N	17	N
EAF1	0.749051819	N	0	N
TMEM216	0.74914125	N	0	N
ABCC4	0.749176124	N	2	N
AC020951.1	0.749176124	N	0	N
AOX1	0.749176124	N	7	N
AP000619.2	0.749176124	N	0	N
GABARAPL3	0.749176124	N	0	N
KIAA1551	0.749176124	N	0	N
LG13	0.749176124	N	0	N
NECTIN2	0.749176124	N	0	N
NETO2	0.749176124	N	2	N
SLC15A1	0.749176124	N	14	N
SULT1A1	0.749176124	N	6	N
TSTA3	0.749176124	N	1	N
ZRANB2	0.749176124	N	0	N
AL645608.3	0.749390959	N	0	N
ARHGAP20	0.749390959	N	0	N
FRMD3	0.749390959	N	2	N
NKX2-8	0.749390959	N	0	N
SCARNA7	0.749390959	N	0	N
AC073195.1	0.749430036	N	0	N
RAB28P5	0.749470855	N	0	N
SMARCE1P6	0.749470855	N	0	N
GRK5	0.749518992	N	10	N
CHN1	0.749680394	N	0	N
FPGT-TNNI3K	0.749680394	N	0	N
UTP3	0.749680394	N	0	N
Z95331.1	0.749688516	N	0	N
CCDC7	0.74973985	N	0	N
BMS1P2	0.749776987	N	0	N
AC091729.3	0.749815348	N	0	N
AC093311.1	0.749815348	N	0	N
MRPL35P4	0.749815348	N	0	N
PHF3	0.749815348	N	0	N
RBSN	0.749815348	N	0	N
RPS28	0.749815348	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
SLC3A2	0.749815348	N	6	N
YOD1	0.749815348	N	0	N
ZDHHC6	0.749815348	N	0	N
AC004835.2	0.749941873	N	0	N
AC008074.1	0.749941873	N	0	N
ACVR2B-AS1	0.749941873	N	0	N
AP000911.2	0.749941873	N	0	N
ATCAY	0.749941873	N	0	N
FOKK1	0.749941873	N	4	N
GLRX2	0.749941873	N	1	N
GMIP	0.749941873	N	0	N
LINC00960	0.749941873	N	0	N
SLC16A12	0.749941873	N	0	N
SLC39A3	0.749941873	N	1	N
TCF12	0.749941873	N	1	N
AC046143.1	0.750144602	N	0	N
AC087385.1	0.750144602	N	0	N
AC125611.2	0.750144602	N	0	N
ARPC3	0.750144602	N	2	N
RSPRY1	0.750144602	N	0	N
STRN3	0.750144602	N	0	N
TEX10	0.750144602	N	0	N
TMSB4XP6	0.750144602	N	0	N
AC007969.1	0.750148278	N	0	N
AC012377.1	0.750148278	N	0	N
AP002373.1	0.750148278	N	0	N
PSMB9	0.750148278	N	0	N
RPS6KA6	0.750148278	N	1	N
CIAPIN1	0.750198693	N	1	N
TMC5	0.750284677	N	0	N
AC083862.1	0.750849601	N	0	N
ACVR1B	0.750849601	N	5	N
AL096829.2	0.750849601	N	0	N
AP001178.3	0.750849601	N	0	N
HMGB1P31	0.750849601	N	0	N
MTRNR2L6	0.750849601	N	0	N
SOD3	0.750849601	N	15	N
TIMM17BP1	0.750849601	N	0	N
TPTE2P2	0.750849601	N	0	N
ZNF567	0.750849601	N	0	N
AL392089.1	0.751083614	N	0	N
LINC01623	0.751083614	N	0	N
MRPS10	0.751083614	N	0	N
PLIN3	0.751133855	N	13	N
CCDC71	0.751209072	N	0	N
AC061975.7	0.751342651	N	0	N
ASPG	0.751342651	N	0	N
DDX1	0.751342651	N	2	N
PIGHP1	0.751342651	N	0	N
AC004987.2	0.751484464	N	0	N
ADCY4	0.751484464	N	1	N
C1S	0.751484464	N	9	N
DAP	0.751484464	N	36	N
EPN3	0.751484464	N	2	N
LMO3	0.751484464	N	0	N
RPH3A	0.751484464	N	0	N
ZNF646	0.751484464	N	0	N
AC020910.5	0.751554684	N	0	N
IL1RN	0.751554684	N	95	N
ARTN	0.751569799	N	2	N
FLNB-AS1	0.751569799	N	0	N
ABL1	0.751689599	N	7	N
TIRAP	0.751712599	N	4	N
EPDR1	0.751756648	N	4	N
ZNF860	0.751801849	N	0	N
AL022334.1	0.751848469	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
LDB3	0.751877489	N	2	N
CFAP36	0.751977551	N	0	N
TAS1R3	0.751977551	N	9	N
GYG1P3	0.75210779	N	0	N
CCDC85C	0.752108068	N	0	N
TRIM27	0.752108068	N	1	N
AL139276.1	0.752359981	N	0	N
C1orf186	0.752411862	N	0	N
LUZP1	0.752411862	N	0	N
MRPS14	0.752411862	N	0	N
SEPT7P8	0.752411862	N	0	N
SNAPC3	0.752411862	N	0	N
TFAP2A-AS1	0.752411862	N	0	N
TSKU	0.752411862	N	0	N
TSSC2	0.752411862	N	0	N
LAMTOR5	0.752483387	N	1	N
SERP2	0.752483387	N	1	N
FOXC1	0.752656875	N	4	N
C9orf66	0.752814831	N	0	N
UNKL	0.752901523	N	0	N
AC023906.3	0.752985869	N	0	N
GSTO1	0.752987353	N	4	N
INPPL1	0.752987353	N	113	Y
MLF1	0.752987353	N	3	N
R3HDM4	0.752987353	N	0	N
YIPF2	0.752987353	N	0	N
ARL2-SNX15	0.753041929	N	0	N
TSPAN15	0.75304197	N	0	N
PPP1R3F	0.753175092	N	1	N
UBE2QL1	0.753175092	N	0	N
AC010280.3	0.753203498	N	0	N
GABARAPL3	0.75333492	N	0	N
STK32A	0.75333492	N	0	N
TMEM132B	0.753342975	N	0	N
PGBD5	0.753476805	N	0	N
AL451063.1	0.7536653	N	0	N
RSAD2	0.7536653	N	0	N
BCLAF1P1	0.753687349	N	0	N
FHL2	0.753687349	N	9	N
METTTL24	0.753687349	N	0	N
TARDBPP1	0.753687349	N	0	N
AC114940.1	0.753863378	N	0	N
ELOVL3	0.753892233	N	7	N
TBC1D19	0.753892233	N	0	N
AC005523.2	0.754166984	N	0	N
FAH	0.754316066	N	25	N
HMGB3P7	0.754316066	N	0	N
VWF	0.754316066	N	240	Y
AC007099.1	0.754397593	N	0	N
ADAMTS13	0.754412147	N	4	N
LAGE3P1	0.754412147	N	0	N
MPC1	0.754427552	N	21	N
DKK1	0.754511189	N	59	N
DNAJC25	0.754511189	N	0	N
AP001318.3	0.754523966	N	0	N
CMPK1	0.754523966	N	0	N
PMM1	0.754523966	N	1	N
SCRN3	0.754655845	N	0	N
HNRNPCP7	0.754731894	N	0	N
MFSD4B	0.754731894	N	0	N
NIPAL4	0.754731894	N	0	N
AC025178.1	0.754854327	N	0	N
GRHPR	0.754854327	N	1	N
SLC29A2	0.754854327	N	7	N
PLCB1-IT1	0.754998687	N	0	N
AC107909.1	0.755015915	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AL121658.1	0.755015915	N	0	N
DENND4B	0.755015915	N	0	N
GLYATL2	0.755015915	N	0	N
LINC00908	0.755015915	N	0	N
MLKL	0.755015915	N	5	N
AC005759.1	0.755070998	N	0	N
PI4K2A	0.755070998	N	0	N
TOR3A	0.755070998	N	0	N
COL6A1	0.755251765	N	8	N
PSMC4	0.755251765	N	0	N
GRM5	0.755504333	N	7	N
BRWD1-IT1	0.755524941	N	0	N
MEI4	0.755524941	N	0	N
PLEKHF1	0.755524941	N	0	N
LINC01630	0.755552072	N	0	N
SLC23A1	0.755552072	N	0	N
PTPN6	0.75557756	N	101	Y
AL158201.1	0.755623657	N	0	N
AC090527.3	0.755743934	N	0	N
LRRC71	0.755743934	N	0	N
NARS	0.755743934	N	11	N
NECTIN4	0.755743934	N	1	N
NF1P1	0.755743934	N	0	N
PPP5D1	0.755743934	N	0	N
RAB11B-AS1	0.755743934	N	0	N
ST6GALNAC3	0.755743934	N	0	N
SYAP1	0.755743934	N	0	N
ASF1A	0.755768021	N	0	N
GAPLINC	0.755774564	N	0	N
HIST1H2BK	0.755774564	N	0	N
MDH2	0.755774564	N	2	N
PNRC2	0.755774564	N	1	N
SP1	0.755774564	N	379	Y
ZNF341	0.755774564	N	0	N
NDUFA1	0.756009706	N	1	N
PDIA6	0.756036203	N	7	N
AC021242.3	0.756321831	N	0	N
NEDD4L	0.756360578	N	30	N
PROSER2-AS1	0.756360578	N	0	N
AC067852.2	0.756414596	N	0	N
PHIP	0.756414596	N	11	N
AC025569.1	0.756415702	N	0	N
RPL21P93	0.756415702	N	0	N
AC079630.1	0.756483638	N	0	N
TNFSF12	0.756584098	N	17	N
AC078814.4	0.756634252	N	0	N
CCK	0.756634252	N	940	Y
DGKE	0.756634252	N	1	N
GPR1	0.756634252	N	8	N
STAG3L1	0.756634252	N	0	N
AC026785.2	0.756668052	N	0	N
MKRN5P	0.756698079	N	0	N
PARP9	0.756899459	N	0	N
PNPT1	0.757246335	N	0	N
AC002470.1	0.757270782	N	0	N
CDH4	0.757270782	N	1	N
CLIC4P3	0.757270782	N	0	N
DEGS1	0.757270782	N	2	N
FAM107B	0.757270782	N	0	N
HACD1	0.757270782	N	0	N
POU2F2	0.757270782	N	2	N
RBBP6	0.757270782	N	0	N
TSPO	0.757270782	N	12	N
VPS4A	0.757270782	N	1	N
MINK1	0.757388397	N	0	N
IFIT2	0.757572708	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
CLDN7	0.757591942	N	1	N
ATP5G1	0.757736475	N	0	N
TMEM41B	0.757736475	N	0	N
MYCT1	0.757787758	N	0	N
RUSC2	0.757787758	N	0	N
TIPIN	0.757787758	N	0	N
HAGLR	0.757879022	N	0	N
FAM20B	0.757973475	N	0	N
PSG11	0.757973475	N	0	N
PUS7L	0.757973475	N	0	N
TRIM28	0.757973475	N	4	N
IL7	0.757987301	N	10	N
BBC3	0.758265877	N	19	N
AC051619.7	0.758276254	N	0	N
CLIC4P1	0.758276254	N	0	N
RPL24P8	0.758276254	N	0	N
TRAC	0.758276254	N	14	N
ZNF534	0.758276254	N	0	N
CCNJ	0.758283616	N	0	N
CSNK1E	0.758365516	N	2	N
TLK2P2	0.758365516	N	0	N
CCT4P2	0.758491209	N	0	N
AC106818.1	0.758511507	N	0	N
RTL8A	0.758601617	N	0	N
AC006017.1	0.758641543	N	0	N
AL133415.1	0.758641543	N	0	N
BEX4	0.758641543	N	0	N
BOD1	0.758641543	N	0	N
MAN1C1	0.758641543	N	1	N
SLC2A11	0.758641543	N	1	N
VCPIP1	0.758641543	N	0	N
BRMS1L	0.758660193	N	0	N
RP3-461P17.10	0.758788136	N	0	N
C2orf16	0.758807227	N	0	N
PLCH1	0.758807227	N	1	N
AC012184.3	0.7588202	N	0	N
AL603865.1	0.758962763	N	0	N
AC104118.1	0.758993092	N	0	N
AC004805.2	0.759031977	N	0	N
STAP2	0.759150663	N	0	N
AC022882.1	0.75937892	N	0	N
ARVCF	0.75937892	N	0	N
B3GALT1	0.75937892	N	0	N
CLINT1	0.75937892	N	0	N
NSA2	0.75937892	N	0	N
USP25	0.75937892	N	2	N
UTP11	0.75937892	N	0	N
AC142381.3	0.759380761	N	0	N
ADGRG6	0.759380761	N	0	N
FUT2	0.759380761	N	5	N
TMPRSS2	0.759380761	N	7	N
FNTA	0.759422114	N	0	N
KCMF1	0.759631989	N	0	N
AL445524.1	0.759967746	N	0	N
COG1	0.759967746	N	0	N
SYNJ2BP	0.759967746	N	1	N
TVP23CP1	0.759967746	N	0	N
ZNF34	0.759967746	N	0	N
AC040977.1	0.759993265	N	0	N
PRDX1P1	0.759993265	N	0	N
SH2D3C	0.759993265	N	2	N
TCAF2	0.759993265	N	0	N
TMEM198	0.759993265	N	0	N
TMEM69	0.759993265	N	0	N
ZC2HC1A	0.759993265	N	0	N
ZYX	0.759993265	N	3	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC093673.1	0.760075979	N	0	N
AC087683.1	0.760110895	N	0	N
AC108693.1	0.760129995	N	0	N
ENG	0.760157535	N	974	Y
SCARF2	0.760302645	N	0	N
MRPS27	0.760498032	N	0	N
FOXL2NB	0.760544029	N	0	N
UQCRC1	0.760544029	N	6	N
NPIPA1	0.760579494	N	0	N
ZNF611	0.760579494	N	0	N
HCP5	0.760711768	N	1	N
TGM1	0.760780302	N	0	N
AGT	0.760801539	N	139	Y
AL157714.2	0.760801539	N	0	N
AP000266.1	0.760801539	N	0	N
AP002387.1	0.760801539	N	0	N
C14orf39	0.760801539	N	0	N
CASC1	0.760801539	N	0	N
COL4A6	0.760801539	N	1	N
CTU1	0.760801539	N	0	N
FBXO15	0.760801539	N	0	N
IFT80	0.760801539	N	1	N
POLR1D	0.760801539	N	0	N
RPSAP41	0.760801539	N	0	N
SART1	0.760801539	N	0	N
SNORD94	0.760801539	N	0	N
ZNF549	0.760801539	N	0	N
ACADM	0.761157539	N	12	N
LHX4	0.761157539	N	9	N
LVRN	0.761157539	N	0	N
MEFV	0.761157539	N	1	N
AC005498.2	0.761172064	N	0	N
AC012618.1	0.761172064	N	0	N
AC090983.1	0.761172064	N	0	N
AL137145.2	0.761172064	N	0	N
CAVIN4	0.761172064	N	0	N
CD72	0.761172064	N	1	N
GLDCP1	0.761172064	N	0	N
HEPHL1	0.761172064	N	0	N
HSPA1B	0.761172064	N	3	N
LINC00899	0.761172064	N	0	N
PAM16	0.761172064	N	0	N
PBOV1	0.761172064	N	0	N
RFX1	0.761172064	N	3	N
SLC25A2	0.761172064	N	0	N
SLC39A6	0.761172064	N	5	N
TOP1MT	0.761172064	N	0	N
XRCC4	0.761172064	N	4	N
FGD4	0.76135346	N	2	N
AL512649.1	0.76135944	N	0	N
AP000873.4	0.76135944	N	0	N
HSP90AB2P	0.76135944	N	0	N
TYW3	0.76135944	N	2	N
AF131215.2	0.761375025	N	0	N
C1QTNF5	0.761375025	N	12	N
DUSP5	0.761375025	N	6	N
GPN3P1	0.761375025	N	0	N
MIR34AHG	0.761375025	N	0	N
NKAPL	0.761375025	N	0	N
SUPT5H	0.761375025	N	0	N
SYTL2	0.761375025	N	2	N
WASHC3	0.761403529	N	0	N
LG12	0.761404454	N	0	N
RPL35A	0.761404454	N	0	N
RWDD1	0.761404454	N	0	N
SCHLAP1	0.761404454	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
PABPC4	0.761465199	N	0	N
AL163051.2	0.761614873	N	0	N
PTPRR	0.761614873	N	2	N
ALDH7A1P1	0.761637997	N	0	N
CHD1	0.761637997	N	0	N
IL17RE	0.761637997	N	0	N
OR1H1P	0.761637997	N	0	N
STXBP2	0.761637997	N	8	N
NFU1P1	0.761714396	N	0	N
ALG13	0.761914174	N	0	N
LIF	0.762024852	N	214	Y
MXRA8	0.762024852	N	1	N
CACNA2D4	0.762030749	N	0	N
SMAD6	0.762062853	N	6	N
AC244034.3	0.762083865	N	0	N
DNAJC30	0.762083865	N	0	N
TMEM106B	0.762083865	N	1	N
LCA5L	0.762096344	N	0	N
AC006435.2	0.762106519	N	0	N
AC040162.1	0.762106519	N	0	N
AL139082.1	0.762106519	N	0	N
PSMA6	0.762106519	N	2	N
MAP2	0.762163645	N	41	N
RPS6KA5	0.762163645	N	1	N
NUDT13	0.7622328	N	0	N
RASGRP4	0.7622328	N	0	N
RNF157	0.7622328	N	0	N
CALM2	0.762273229	N	2	N
CCDC144CP	0.762273229	N	0	N
VASH1-AS1	0.762390396	N	0	N
AL358933.1	0.762399755	N	0	N
RNASEH1-AS1	0.762399755	N	0	N
ZNF561	0.762399755	N	0	N
DES12	0.762436248	N	1	N
EEF1DP1	0.762463328	N	0	N
NAALAD2	0.762463328	N	0	N
NDUFB4	0.762463328	N	1	N
NR4A1	0.762463328	N	62	N
PRR35	0.762463328	N	0	N
SNRNP27	0.762463328	N	0	N
TMEM254	0.762463328	N	0	N
ZNF417	0.762463328	N	0	N
VSIG10L	0.762488774	N	0	N
ACVRL1	0.762557594	N	1	N
AL589642.2	0.762557594	N	0	N
C10orf107	0.762557594	N	0	N
CASC15	0.762557594	N	0	N
EMP3	0.762557594	N	2	N
GHDC	0.762557594	N	2	N
RN7SL1	0.762557594	N	0	N
SLC16A11	0.762557594	N	8	N
TACO1	0.762557594	N	0	N
UCN	0.762557594	N	34	N
YAF2	0.762557594	N	0	N
HNRNPKP1	0.762563461	N	0	N
TNNT1	0.762563461	N	0	N
MRPL1	0.762675779	N	0	N
LINC00470	0.762761491	N	0	N
AC002480.1	0.762928492	N	0	N
ALG5	0.762928492	N	0	N
C10orf12	0.762928492	N	0	N
DSCR9	0.762928492	N	0	N
GLRX3P2	0.762928492	N	0	N
PTBP1	0.762928492	N	10	N
SLC6A7	0.762928492	N	0	N
ANKRD13B	0.763118312	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC092745.1	0.763136581	N	0	N
CTNNA1	0.763136581	N	11	N
LINC00840	0.763136581	N	0	N
NPHP3-ACAD11	0.763136581	N	0	N
PLSCR1	0.763136581	N	2	N
TIMM8B	0.763136581	N	0	N
ZDHHC2	0.763136581	N	0	N
ZFAND2B	0.763136581	N	3	N
ZFP41	0.763136581	N	0	N
USP19	0.763144752	N	2	N
LINC01355	0.763163855	N	0	N
MRPS6	0.763163855	N	0	N
CD38	0.763177914	N	102	Y
FMNL3	0.763177914	N	0	N
GTF2H3	0.763177914	N	0	N
MIB1	0.763177914	N	10	N
AL359921.2	0.763235853	N	0	N
TXNP6	0.763235853	N	0	N
DAGLA	0.763254401	N	1	N
GIMAP2	0.763254401	N	0	N
IL27RA	0.763254401	N	3	N
MYO7A	0.763254401	N	6	N
AC036176.2	0.763319883	N	0	N
AL357033.4	0.763319883	N	0	N
CFAP65	0.763319883	N	0	N
DNAH17-AS1	0.763319883	N	0	N
KIAA1549L	0.763319883	N	0	N
LGSN	0.763319883	N	0	N
RPS27	0.763319883	N	1	N
TMEM151A	0.763319883	N	0	N
TPM4	0.763319883	N	1	N
UPF3A	0.763319883	N	0	N
UTP15	0.763319883	N	0	N
VPS9D1	0.763319883	N	0	N
PATE2	0.76336171	N	0	N
ZNF134	0.763407424	N	0	N
CDC37	0.763452657	N	7	N
TNFRSF14-AS1	0.763452657	N	0	N
CTBP1	0.763939434	N	2	N
HLA-DMB	0.764161905	N	4	N
AC079174.2	0.764365166	N	0	N
RILP	0.764447881	N	3	N
C8orf44-SGK3	0.764523954	N	0	N
ISY1	0.764523954	N	0	N
AC087359.1	0.764556974	N	0	N
AC022915.1	0.764591178	N	0	N
AL162231.4	0.764591178	N	0	N
LIPE-AS1	0.764591178	N	0	N
RN7SL431P	0.764591178	N	0	N
UNC79	0.764591178	N	0	N
AC118658.2	0.764661663	N	0	N
ELOVL7	0.764661663	N	2	N
GPAT2	0.764661663	N	4	N
HES6	0.764661663	N	4	N
PANK4	0.764661663	N	1	N
SPESP1	0.764661663	N	2	N
SRRM1	0.764661663	N	0	N
TOP2B	0.764661663	N	0	N
ZFP91	0.764661663	N	1	N
FAM217A	0.764775171	N	0	N
LBX2	0.764775171	N	0	N
GTF2E1	0.765059053	N	0	N
TBX4	0.765110073	N	0	N
AC026124.1	0.765192825	N	0	N
CCL26	0.765315924	N	3	N
PDGFRA	0.765315924	N	42	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC018868.2	0.765513588	N	0	N
AL160236.2	0.765513588	N	0	N
CCZ1B	0.765513588	N	0	N
CDC42EP1	0.765513588	N	0	N
CTD-2231H16.1	0.765513588	N	0	N
GLYATL1	0.765513588	N	0	N
HARBI1	0.765513588	N	0	N
HIST2H2BE	0.765513588	N	0	N
NMI	0.765513588	N	9	N
PTGDS	0.765513588	N	1	N
SLC4A8	0.765513588	N	0	N
SPINT2	0.765513588	N	4	N
AC064807.1	0.765546895	N	0	N
SMG7-AS1	0.765632014	N	0	N
TMTC4	0.765632014	N	0	N
AC112512.1	0.765664486	N	0	N
AC135721.2	0.765664486	N	0	N
GORASP1	0.765664486	N	0	N
KHDRBS1	0.765664486	N	10	N
C7orf50	0.765754188	N	0	N
UBE2D3	0.765754188	N	2	N
CTDSP1	0.765777168	N	2	N
KCNA4	0.765809765	N	4	N
SAG	0.765809765	N	27	N
PSMC1P1	0.765884659	N	0	N
SGMS2	0.765884659	N	0	N
AC132219.2	0.765934907	N	0	N
AC138028.4	0.765934907	N	0	N
AL391256.1	0.765934907	N	0	N
ALDH7A1	0.765934907	N	2	N
BOLA2P3	0.765934907	N	0	N
ID3	0.765934907	N	20	N
UBE2V1	0.765934907	N	1	N
UBQLN4	0.765934907	N	0	N
AP1S3	0.766071917	N	0	N
RNF133	0.766253875	N	0	N
ACIN1	0.766290696	N	2	N
CYB5A	0.766403605	N	2	N
AIF1L	0.766571459	N	0	N
AL359922.3	0.766571459	N	0	N
ARHGAP15	0.766571459	N	0	N
RN7SL96P	0.766692841	N	0	N
TTBK2	0.766692841	N	0	N
TP53I3	0.76670056	N	1	N
INTS6P1	0.766702538	N	0	N
SCO2	0.766702538	N	4	N
AC011447.7	0.766879383	N	0	N
GCKR	0.766879383	N	102	Y
NUAK2	0.766879383	N	4	N
SETP14	0.766879383	N	0	N
AC005833.1	0.766887065	N	0	N
CYP4A22-AS1	0.766887065	N	0	N
HNRNPD	0.766887065	N	0	N
ZNF501	0.766887065	N	0	N
AL121772.1	0.766953179	N	0	N
TRPV4	0.767125858	N	20	N
NDUFB10P2	0.767136221	N	0	N
WWP1P1	0.767205322	N	0	N
DUX4	0.767268915	N	1	N
GORAB	0.767281763	N	0	N
MRPL32	0.767329894	N	0	N
LRRC19	0.767477718	N	1	N
Z92544.2	0.767477718	N	0	N
AC009263.1	0.767533224	N	0	N
SHMT2	0.767611208	N	3	N
CENPQ	0.767682312	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
KBTBD11	0.767682312	N	0	N
AC003101.2	0.767731794	N	0	N
AC104306.2	0.767731794	N	0	N
AP000295.1	0.767731794	N	0	N
AXIN1	0.767731794	N	3	N
B4GALT3	0.767731794	N	0	N
EDA2R	0.767731794	N	0	N
FO704657.1	0.767731794	N	0	N
FUCA2	0.767731794	N	0	N
Metazoa_SRP	0.767731794	N	0	N
NHEJ1	0.767731794	N	1	N
NOLC1	0.767731794	N	0	N
OXA1L	0.767731794	N	0	N
PRR29	0.767731794	N	0	N
RPL35P3	0.767731794	N	0	N
SAR1A	0.767731794	N	3	N
ZNF219	0.767731794	N	0	N
COL6A2	0.767898914	N	1	N
ALG3P1	0.767932409	N	0	N
PHYHIPL	0.767932409	N	0	N
TIMM13	0.767932409	N	0	N
AC006238.1	0.767987064	N	0	N
AC027141.1	0.767987064	N	0	N
AC083837.1	0.767987064	N	0	N
IL1B	0.767987064	N	178	Y
LINC00352	0.767987064	N	0	N
TLL1	0.767987064	N	4	N
XAB2	0.767987064	N	0	N
PLCZ1	0.768035456	N	1	N
PMAIP1	0.768035456	N	7	N
ADRM1	0.768295539	N	0	N
CCDC102B	0.768295539	N	0	N
NR4A2	0.768295539	N	16	N
NPM1	0.768366819	N	3	N
AC010327.3	0.768416922	N	0	N
AC111152.3	0.768416922	N	0	N
ACTR10	0.768416922	N	0	N
AL391280.1	0.768416922	N	0	N
SSR3	0.768416922	N	1	N
RRH	0.768452397	N	5	N
KCNV1	0.768486611	N	0	N
LINC01089	0.768486611	N	0	N
AC020629.1	0.768500511	N	0	N
PINLYP	0.768500511	N	0	N
AC023355.1	0.768511593	N	0	N
EHD4	0.768642736	N	2	N
AL513366.1	0.768673288	N	0	N
AC009779.2	0.768680095	N	0	N
CBR3-AS1	0.768680095	N	0	N
FAM98A	0.768680095	N	1	N
ROM1	0.768680095	N	0	N
THYN1	0.76891344	N	0	N
GAPT	0.769027781	N	3	N
RPUSD4	0.769199713	N	0	N
SPTAN1	0.769199713	N	0	N
ZNF274	0.769408851	N	1	N
NUDT7	0.769610566	N	0	N
LINC01209	0.769673109	N	0	N
PDPK2P	0.769673109	N	0	N
FAM86C1	0.769680345	N	0	N
AC007182.2	0.769747885	N	0	N
AC027544.1	0.769747885	N	0	N
AC092447.9	0.769747885	N	0	N
FAM204CP	0.769747885	N	0	N
IL31RA	0.769747885	N	1	N
LINC02551	0.769747885	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
NXT2	0.769747885	N	0	N
OTP	0.769747885	N	4	N
PDK3	0.769747885	N	7	N
PIPOX	0.769747885	N	0	N
RTCB	0.769747885	N	0	N
FBXO2	0.769790095	N	1	N
PNMA6A	0.769810643	N	0	N
ZNF704	0.769810643	N	0	N
AC068152.1	0.76992804	N	0	N
ELP4	0.76992804	N	0	N
AL137845.2	0.769928619	N	0	N
AL513523.1	0.769928619	N	0	N
HNRNPCP4	0.769928619	N	0	N
ITPA	0.769928619	N	4	N
OTUD7B	0.769928619	N	1	N
SLC35A1	0.769928619	N	0	N
SNX30	0.769928619	N	0	N
ARL3	0.769933374	N	0	N
PRKCA-AS1	0.770030744	N	0	N
CPSF1P1	0.770039791	N	0	N
NARS2	0.770044538	N	0	N
AC104393.1	0.770070259	N	0	N
AL132639.2	0.770070259	N	0	N
ISLR	0.770070259	N	2	N
LARGE1	0.770070259	N	1	N
RNF144A-AS1	0.770070259	N	0	N
SPRY2	0.770070259	N	12	N
TRAPPC2L	0.770070259	N	0	N
AC122129.1	0.770072972	N	0	N
KRT19P2	0.770072972	N	0	N
AC040160.1	0.770132326	N	0	N
AC073389.3	0.770132326	N	0	N
AC092368.2	0.770132326	N	0	N
AC096711.2	0.770132326	N	0	N
AC107398.1	0.770132326	N	0	N
ALG10B	0.770132326	N	0	N
CEP95	0.770132326	N	0	N
KCNE1	0.770132326	N	14	N
SEC24C	0.770132326	N	0	N
SELENBP1	0.770132326	N	1	N
SHROOM3	0.770132326	N	2	N
XIAPP3	0.770132326	N	0	N
AC112694.2	0.770314932	N	0	N
SPG7	0.7704525	N	1	N
RB1	0.770553713	N	57	N
RN7SL481P	0.770553713	N	0	N
SLC12A6	0.770553713	N	3	N
SPRY4-AS1	0.770553713	N	0	N
AC079331.1	0.77056316	N	0	N
AP001000.1	0.77056316	N	0	N
ATG4B	0.77056316	N	4	N
H1F0	0.77056316	N	0	N
ITFG2-AS1	0.77056316	N	0	N
SMIM11P1	0.77056316	N	0	N
TMEM123	0.77056316	N	0	N
TRIM34	0.77056316	N	0	N
WBP11	0.77056316	N	0	N
AC021321.1	0.770657035	N	0	N
OARD1	0.770657035	N	1	N
CLK3	0.770759453	N	0	N
BRD9P2	0.770838733	N	0	N
AL109976.1	0.770901753	N	0	N
AC063947.2	0.770946556	N	0	N
TBX1	0.771010065	N	14	N
BX664727.3	0.771076256	N	0	N
EWSR1	0.771121368	N	10	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
MIR4435-2HG	0.771121368	N	0	N
ANKRD31	0.771318672	N	0	N
AP001267.2	0.771379423	N	0	N
AL109923.1	0.771686567	N	0	N
ATXN2-AS	0.771716159	N	0	N
RNF123	0.771716159	N	1	N
STK19	0.771716159	N	1	N
GPR158	0.771779627	N	0	N
LINC01011	0.771828	N	0	N
PELP1	0.771979765	N	4	N
PGLS	0.771979765	N	5	N
TOMM20	0.771979765	N	1	N
AC009120.1	0.772099786	N	0	N
EMC6	0.772118356	N	0	N
FKBP9	0.772124791	N	0	N
KLHL34	0.77214334	N	0	N
COPG2	0.772193665	N	0	N
PET117	0.772193665	N	0	N
MINOS1-NBL1	0.772220402	N	0	N
OMA1	0.772220402	N	3	N
RUNDC3A-AS1	0.772220402	N	0	N
TSC2	0.772220402	N	193	Y
TXNL4B	0.772220402	N	0	N
MAPKAP1	0.772372185	N	6	N
GRIA1	0.772598174	N	1	N
RNF19B	0.772598174	N	0	N
RBP4	0.772614938	N	555	Y
WDR27	0.772614938	N	0	N
CD177	0.772845681	N	1	N
MYL6P5	0.772845681	N	0	N
CDKL1	0.77293441	N	0	N
ENY2	0.772940871	N	1	N
AL356432.2	0.772957285	N	0	N
DDIT4L	0.772957285	N	2	N
HNMT	0.772957285	N	1	N
HYAL2	0.772957285	N	1	N
MALRD1	0.772957285	N	0	N
MTX3	0.772957285	N	0	N
NPAS2	0.772957285	N	12	N
SBDS	0.772957285	N	3	N
ZSWIM4	0.772957285	N	0	N
ETFIP3	0.772976198	N	0	N
CREG2	0.772996427	N	0	N
CHST12	0.773057061	N	0	N
FEZ1	0.773057061	N	0	N
SYS1-DBNDD2	0.773057061	N	0	N
HDAC10	0.773338283	N	2	N
PRR26	0.773364314	N	0	N
AC009302.1	0.773597026	N	0	N
AC093909.1	0.773597026	N	0	N
AC099805.1	0.773597026	N	0	N
AC245060.5	0.773597026	N	0	N
GMFB	0.773597026	N	0	N
LRRC34	0.773597026	N	0	N
MKRN4P	0.773597026	N	0	N
PPP3R1	0.773597026	N	3	N
TPTE2P5	0.773597026	N	0	N
ZNF174	0.773895145	N	1	N
NBL1	0.773896167	N	0	N
SERPINB1	0.773896167	N	7	N
AL138713.1	0.773937375	N	0	N
AP001528.2	0.773937375	N	0	N
POLN	0.77421485	N	0	N
FKBP8	0.774329792	N	5	N
MAGIX	0.774341778	N	0	N
INSR	0.774391441	N	911	Y

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AP000873.3	0.774555487	N	0	N
AC006033.1	0.77466456	N	0	N
AC006449.5	0.77466456	N	0	N
AC090673.1	0.77466456	N	0	N
AC121761.2	0.77466456	N	0	N
AC132872.2	0.77466456	N	0	N
AL161773.1	0.77466456	N	0	N
AL359715.5	0.77466456	N	0	N
AL589684.1	0.77466456	N	0	N
AL591030.1	0.77466456	N	0	N
CASC8	0.77466456	N	0	N
COL9A3	0.77466456	N	1	N
ESRRAP1	0.77466456	N	0	N
FAM210A	0.77466456	N	0	N
GLMN	0.77466456	N	3	N
HRH4	0.77466456	N	1	N
KATNAL1	0.77466456	N	0	N
KIAA1614-AS1	0.77466456	N	0	N
KYAT1	0.77466456	N	0	N
L3MBTL2	0.77466456	N	0	N
LHFPL2	0.77466456	N	0	N
MAN1B1	0.77466456	N	0	N
NGLY1	0.77466456	N	0	N
NT5C1B	0.77466456	N	0	N
OLIG2	0.77466456	N	18	N
PRAF2	0.77466456	N	0	N
RETREG2	0.77466456	N	0	N
RPL31	0.77466456	N	1	N
AC109925.1	0.774703402	N	0	N
IQCH-AS1	0.7747151	N	0	N
LINC01697	0.7747151	N	0	N
CAPN15	0.774751429	N	0	N
DSTNP1	0.774985875	N	0	N
TPRA1	0.774985875	N	0	N
ARMC12	0.77506684	N	0	N
SLC7A11	0.77506684	N	5	N
EEF1A1P19	0.775212034	N	0	N
AC005839.1	0.775407818	N	0	N
AC019186.1	0.775407818	N	0	N
AC096921.2	0.775407818	N	0	N
AC113398.1	0.775407818	N	0	N
AC124016.1	0.775407818	N	0	N
AL160408.3	0.775407818	N	0	N
RAD54L2	0.775407818	N	0	N
RPS23	0.775407818	N	0	N
TRAF4	0.775407818	N	2	N
ZNF970P	0.775407818	N	0	N
AC067750.1	0.775530261	N	0	N
HACL1	0.775530261	N	0	N
OSTCP1	0.775530261	N	0	N
AP003385.3	0.775567022	N	0	N
MYL12A	0.775584048	N	0	N
RRN3P2	0.775746664	N	0	N
AC004988.1	0.77579809	N	0	N
AC090236.2	0.776021202	N	0	N
MGST3	0.776021202	N	2	N
NOL10	0.776021202	N	0	N
ULBP1	0.776021202	N	0	N
AC003080.1	0.776149117	N	0	N
AC013564.1	0.776149117	N	0	N
AC114402.1	0.776149117	N	0	N
ATG5	0.776149117	N	81	N
ATP5G3	0.776149117	N	0	N
ERCC4	0.776149117	N	1	N
SYCE1	0.776149117	N	0	N
UFC1	0.776149117	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
ATP6V0E1	0.776206892	N	0	N
FOXP1	0.776206892	N	9	N
TBL1X	0.776206892	N	1	N
UBXN2A	0.776206892	N	0	N
MED9	0.776304544	N	0	N
ARPC4	0.77635927	N	0	N
RPSAP58	0.77635927	N	0	N
LMAN2	0.776481901	N	0	N
PDXDC2P	0.776481901	N	0	N
AC104581.1	0.776558352	N	0	N
ZNF22	0.776591289	N	0	N
RNF4	0.776606864	N	0	N
KL	0.776730486	N	71	N
PYCR3	0.77676867	N	0	N
AL357075.2	0.776811179	N	0	N
NXP4	0.776884222	N	0	N
MPHOSPH8	0.776918039	N	0	N
AC012313.8	0.776923115	N	0	N
KHDC1	0.776923115	N	0	N
RBM19	0.776923115	N	0	N
APMAP	0.777102585	N	3	N
MSL3	0.777192429	N	0	N
AC006333.2	0.777228141	N	0	N
CCDC181	0.777228141	N	0	N
RAB3IL1	0.777228141	N	0	N
TGM4	0.777228141	N	0	N
ZNF302	0.777228141	N	0	N
AP001442.1	0.777306377	N	0	N
AC134407.3	0.777381003	N	0	N
AC011270.1	0.777420856	N	0	N
TMEM236	0.777420856	N	0	N
ZSCAN26	0.777420856	N	0	N
AC073320.1	0.777446612	N	0	N
AC073130.3	0.777478348	N	0	N
ME2	0.777499929	N	10	N
TMEM116	0.777499929	N	0	N
TCEANC2	0.777541028	N	0	N
ATE1	0.777554164	N	0	N
B3GLCT	0.777816159	N	0	N
HOMER3	0.777816159	N	0	N
ACSL3	0.777896776	N	4	N
PLLP	0.777896776	N	0	N
AL138820.1	0.777901469	N	0	N
OTX2	0.777901469	N	9	N
BTF3P10	0.778220961	N	0	N
PLEKHB2	0.778264044	N	0	N
TBC1D30	0.778358128	N	1	N
OTUD1	0.778665397	N	0	N
STPG2	0.778665397	N	0	N
TMED3	0.77878874	N	0	N
USP6	0.778843352	N	10	N
ANK2	0.778861413	N	4	N
AC010776.1	0.778961968	N	0	N
CCDC125	0.778961968	N	0	N
ICAM5	0.778961968	N	0	N
SPSB4	0.778961968	N	0	N
AAR2	0.778964275	N	0	N
CYP11A1	0.778969854	N	166	Y
DNM1L	0.778979527	N	37	N
ERICH6	0.778979527	N	0	N
AC073912.2	0.779228237	N	0	N
EGFR-AS1	0.779228237	N	0	N
GRAMD1A	0.779228237	N	0	N
HECTD1	0.779228237	N	2	N
LDLR	0.779228237	N	313	Y
NISCH	0.779228237	N	10	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC092068.2	0.779281709	N	0	N
AC099509.2	0.779281709	N	0	N
AL132780.5	0.779281709	N	0	N
AL161772.1	0.779281709	N	0	N
AP001024.1	0.779281709	N	0	N
ITPR1-AS1	0.779281709	N	0	N
LINC01133	0.779281709	N	0	N
SMG1	0.779281709	N	1	N
WWTR1-IT1	0.779281709	N	0	N
ZNFX1	0.779281709	N	0	N
NOC2L	0.77933115	N	0	N
PPP1R14C	0.77933115	N	0	N
TALDO1	0.779337854	N	2	N
AC107959.1	0.779452893	N	0	N
DROSHA	0.779452893	N	40	N
EFCAB12	0.779452893	N	0	N
SDCCAG3	0.779452893	N	0	N
TAS2R15P	0.779452893	N	0	N
TMED4	0.779452893	N	0	N
RAB20	0.779562471	N	1	N
AC003986.2	0.779845079	N	0	N
AC004477.3	0.779845079	N	0	N
AC009163.3	0.779845079	N	0	N
AC093627.5	0.779845079	N	0	N
ADH1B	0.779845079	N	9	N
CLASRP	0.779845079	N	0	N
EIF4BP3	0.779845079	N	0	N
GS1-124K5.3	0.779845079	N	0	N
MGC16275	0.779845079	N	0	N
NSUN2	0.779845079	N	1	N
PHOX2B	0.779845079	N	10	N
RAPGEF6	0.779845079	N	1	N
RET	0.779845079	N	91	N
SPTLC3	0.779845079	N	3	N
SRSF9P1	0.779845079	N	0	N
TCAM1P	0.779845079	N	0	N
TMEM245	0.779845079	N	0	N
USP54	0.779845079	N	0	N
AC099343.2	0.779922263	N	0	N
AL008638.5	0.779935447	N	0	N
AC107990.1	0.780084651	N	0	N
ANKRD20A5P	0.780084651	N	0	N
CINP	0.780084651	N	0	N
GNMT	0.780084651	N	10	N
NRIP1	0.780084651	N	32	N
RHOA-IT1	0.780084651	N	0	N
ZNF670-ZNF695	0.780084651	N	0	N
EMX1	0.780101064	N	1	N
RASAL2-AS1	0.78023581	N	0	N
AC022413.1	0.78027435	N	0	N
AL162726.3	0.78027435	N	0	N
C7orf55-LUC7L2	0.78027435	N	0	N
CALML6	0.78027435	N	1	N
CHKB-AS1	0.78027435	N	0	N
LINGO3	0.78027435	N	0	N
LRBA	0.78027435	N	3	N
SCARNA12	0.78027435	N	0	N
SRRD	0.78027435	N	0	N
AC011475.1	0.780729985	N	0	N
GAS5-AS1	0.780842995	N	0	N
URM1	0.780842995	N	0	N
BAIAP2L2	0.780849465	N	1	N
CMC1	0.780849465	N	0	N
TMEM133	0.780849465	N	0	N
ZNF44	0.780849465	N	0	N
E2F4	0.780867248	N	14	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
GLULP4	0.780867248	N	0	N
IL1RAP	0.780867248	N	4	N
RAB12	0.780867248	N	0	N
GK5	0.780868972	N	1	N
AL359091.1	0.780907686	N	0	N
PSKH1	0.780907686	N	0	N
RCN3	0.780907686	N	0	N
TSTD3	0.780907686	N	0	N
RN7SL67P	0.780933861	N	0	N
JAKMIP2	0.78115572	N	0	N
DEDD	0.781224842	N	2	N
STOX1	0.781224842	N	1	N
RN7SL398P	0.78123608	N	0	N
KRT8P4	0.781550459	N	0	N
DMRTA1	0.781570234	N	0	N
AL138999.1	0.781652992	N	0	N
AL450263.2	0.781652992	N	0	N
AMZ1	0.781652992	N	0	N
HLCS-IT1	0.781652992	N	0	N
NLK	0.781652992	N	3	N
NPBWR1	0.781652992	N	3	N
SYT7	0.781652992	N	7	N
DOK7	0.781689878	N	1	N
RIMKLB	0.781773019	N	0	N
SNX11	0.781876231	N	0	N
BUD23	0.781928526	N	0	N
FAM3A	0.781928526	N	6	N
PDE3B	0.781928526	N	93	N
AC008550.1	0.782396763	N	0	N
TATDN2	0.782396763	N	0	N
AC007364.1	0.782623603	N	0	N
AC008147.3	0.782623603	N	0	N
AC008938.1	0.782623603	N	0	N
AC009464.1	0.782623603	N	0	N
AC104590.1	0.782623603	N	0	N
ADGRD1	0.782623603	N	0	N
AL359317.2	0.782623603	N	0	N
BCL2A1	0.782623603	N	2	N
CHCHD5	0.782623603	N	0	N
GLRB	0.782623603	N	1	N
RGS20	0.782623603	N	0	N
SEC16A	0.782623603	N	1	N
STYK1	0.782623603	N	0	N
TMEM267	0.782623603	N	0	N
TRAV8-5	0.782623603	N	0	N
ZNF17	0.782623603	N	0	N
AC015813.6	0.782696502	N	0	N
AC011487.3	0.782744206	N	0	N
AC074117.1	0.782744206	N	0	N
AC083880.1	0.782744206	N	0	N
AC091982.3	0.782744206	N	0	N
ALK	0.782744206	N	111	Y
ARHGEF12	0.782744206	N	6	N
CPOX	0.782744206	N	1	N
KIF6	0.782744206	N	2	N
PDHA1	0.782744206	N	5	N
S100A13	0.782744206	N	1	N
SLIT2-IT1	0.782744206	N	0	N
ERVH48-1	0.782843936	N	0	N
NFAM1	0.782843936	N	0	N
RTF1	0.782843936	N	0	N
WLS	0.782843936	N	6	N
RNY1	0.782857219	N	0	N
AC009093.1	0.782912627	N	0	N
AC092647.5	0.783163217	N	0	N
ANO3	0.783163217	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
C20orf203	0.783163217	N	0	N
MAST4-AS1	0.783163217	N	0	N
NEBL	0.783163217	N	0	N
PLOD1	0.783163217	N	0	N
PMFBP1	0.783163217	N	0	N
TYW1	0.783163217	N	0	N
AC008556.1	0.783220676	N	0	N
CCDC84	0.783220676	N	0	N
MAOA	0.783333489	N	5	N
SPHK2	0.783333489	N	12	N
TMX3	0.783333489	N	1	N
TRIM14	0.783333489	N	0	N
GHET1	0.783375376	N	1	N
AC099506.1	0.783449221	N	0	N
RIPK4	0.783449221	N	0	N
EIF5A2P1	0.783499093	N	0	N
GRIN3B	0.783499093	N	0	N
PIP5K1C	0.783499093	N	0	N
SCRG1	0.783499093	N	0	N
AL034370.1	0.783551506	N	0	N
AC011455.2	0.783756198	N	0	N
TBC1D9B	0.78407337	N	0	N
AC103760.1	0.784297582	N	0	N
NDUFV1	0.784297582	N	5	N
RPL28	0.784297582	N	0	N
RRP1B	0.784297582	N	0	N
SNORA49	0.784297582	N	0	N
AC135507.1	0.784430703	N	0	N
AL441964.1	0.784430703	N	0	N
ATP1A4	0.784430703	N	0	N
PRKACG	0.784430703	N	0	N
SELENOK	0.784430703	N	0	N
RPL27AP5	0.784444407	N	0	N
USP31	0.784444407	N	0	N
AC009502.1	0.784483868	N	0	N
AC013470.3	0.784483868	N	0	N
AC068896.1	0.784483868	N	0	N
AC099336.1	0.784483868	N	0	N
BAHD1	0.784483868	N	1	N
CITED4	0.784483868	N	1	N
GTF2IP7	0.784483868	N	0	N
KBTBD2	0.784483868	N	1	N
METTL21EP	0.784483868	N	0	N
ZNF142	0.784483868	N	0	N
CEBPD	0.784554298	N	27	N
ESM1	0.784554298	N	6	N
MFRP	0.784616313	N	0	N
CD164	0.785059648	N	1	N
HEYL	0.785059648	N	11	N
G6PC3	0.785155889	N	4	N
AL138955.1	0.785355618	N	0	N
APLP1	0.785355618	N	6	N
B4GALT4	0.785355618	N	0	N
HSBP1L1	0.785355618	N	0	N
HYOU1	0.785355618	N	1	N
LINC02362	0.785355618	N	0	N
PDE5A	0.785355618	N	5	N
STRC	0.785356272	N	1	N
AC010442.1	0.785408113	N	0	N
ITFG2	0.785408113	N	0	N
RPP25	0.785408113	N	0	N
SEPT4-AS1	0.785408113	N	0	N
ARC	0.785556688	N	381	Y
CERS4	0.785556688	N	5	N
DRG2	0.785556688	N	2	N
FBLN1	0.785556688	N	1	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
MIEN1	0.785556688	N	0	N
PGD	0.785556688	N	29	N
SMYD4	0.785556688	N	0	N
AC003682.1	0.785607076	N	0	N
ENDOD1	0.785607076	N	0	N
UBE2M	0.785607076	N	2	N
AP001432.1	0.785694506	N	0	N
ADGRB1	0.78575265	N	1	N
ANAPC10P1	0.78575265	N	0	N
ATG7	0.78575265	N	104	Y
DNAJC13	0.78575265	N	0	N
HDAC9	0.78575265	N	10	N
KCNIP3	0.78575265	N	1	N
RPL18P13	0.78575265	N	0	N
SIGMAR1	0.78575265	N	1	N
UPF3AP1	0.78575265	N	0	N
GPI	0.785791109	N	322	Y
AL606834.1	0.785793456	N	0	N
CCDC107	0.785793456	N	0	N
LINC01021	0.785793456	N	0	N
CCL13	0.78581238	N	3	N
IFT74	0.78581238	N	0	N
TIMP3	0.78581238	N	29	N
KIAA0895L	0.785923706	N	0	N
SUPT4H1P2	0.78604309	N	0	N
HSPA12A	0.786048797	N	1	N
AC104819.3	0.786051379	N	0	N
DUSP14	0.786127355	N	3	N
AC006369.1	0.786339101	N	0	N
AC009220.3	0.786339101	N	0	N
AC010186.2	0.786339101	N	0	N
AC138409.2	0.786339101	N	0	N
AK5	0.786339101	N	1	N
AP000692.2	0.786339101	N	0	N
REC8	0.786339101	N	0	N
RPL13A	0.786339101	N	8	N
SPEN	0.786339101	N	0	N
TBXAS1	0.786339101	N	0	N
TMEM208	0.786339101	N	0	N
ZFP36	0.786339101	N	20	N
ZNF230	0.786339101	N	0	N
ANKRD30B	0.786372406	N	0	N
AC011447.6	0.786678007	N	0	N
AC026316.2	0.786678007	N	0	N
AC127024.5	0.786678007	N	0	N
ADIRF	0.786678007	N	1	N
ADSSL1	0.786678007	N	0	N
AL135999.2	0.786678007	N	0	N
CASTOR2	0.786678007	N	0	N
CHST3	0.786678007	N	1	N
GNG12	0.786678007	N	0	N
IGF1R	0.786678007	N	1000	Y
NGRN	0.786678007	N	0	N
REPIN1	0.786678007	N	8	N
RNH1	0.786678007	N	1	N
SMN2	0.786678007	N	8	N
SNORA80A	0.786678007	N	0	N
SOHLH2	0.786678007	N	1	N
WDR46	0.786678007	N	0	N
AC008894.3	0.786881145	N	0	N
AC005332.5	0.786895149	N	0	N
SMIM8	0.786895149	N	1	N
WDR77	0.786895149	N	0	N
AC004156.1	0.786923357	N	0	N
OSR1	0.786923357	N	6	N
AC009237.14	0.786949251	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
PCDH8P1	0.786949251	N	0	N
RNVU1-19	0.786949251	N	0	N
SNHG11	0.786949251	N	0	N
EML2-AS1	0.787189939	N	0	N
CHN2	0.787251452	N	8	N
DEF8	0.787251452	N	0	N
GSTO2	0.787251452	N	0	N
LINC01544	0.787251452	N	0	N
MIGA1	0.787251452	N	0	N
PREPL	0.787251452	N	0	N
SLBP	0.787251452	N	0	N
SLC35B2	0.787251452	N	0	N
BMP5	0.787275774	N	8	N
CTRL	0.787542854	N	112	Y
AL117342.1	0.787625336	N	0	N
VEGFC	0.787625336	N	35	N
ADAMTS6	0.787681298	N	0	N
AGMAT	0.787681298	N	1	N
AP001626.1	0.787681298	N	0	N
CCNJL	0.787681298	N	0	N
PAPLN	0.787681298	N	0	N
RABL2A	0.787681298	N	0	N
SLC4A1APP1	0.787681298	N	0	N
XXYLT1	0.787681298	N	0	N
AP005131.6	0.787747292	N	0	N
BMS1P4	0.787747292	N	0	N
LINC01088	0.787747292	N	0	N
LINC01132	0.787747292	N	0	N
TMEM121	0.787747292	N	0	N
AC007114.2	0.78785141	N	0	N
NAA40	0.78785141	N	0	N
CRAT	0.787929215	N	11	N
IRF2	0.787958803	N	0	N
AC009159.3	0.787985599	N	0	N
FAM131A	0.78799085	N	0	N
PDP2	0.78799085	N	5	N
ACER3	0.788053238	N	1	N
CR392039.4	0.788053238	N	0	N
EIF3M	0.788053238	N	0	N
HCFC1R1	0.788053238	N	0	N
PGAP2	0.788053238	N	0	N
PIGM	0.788053238	N	0	N
SENP5	0.788053238	N	0	N
TAF10	0.788053238	N	0	N
ANAPC2	0.788133508	N	0	N
ABCF2	0.788290524	N	0	N
GDNF-AS1	0.788403891	N	0	N
GPR137	0.788403891	N	0	N
LINC02407	0.788573036	N	0	N
C9orf131	0.788695019	N	0	N
LGALS8-AS1	0.788695019	N	0	N
NAA38	0.788740999	N	0	N
IMP3	0.788764059	N	156	Y
TRPV6	0.788764059	N	12	N
AC025580.2	0.789155726	N	0	N
AC092691.1	0.789155726	N	0	N
AC137932.3	0.789155726	N	0	N
ADAMTS3	0.789155726	N	5	N
ATG9A	0.789155726	N	5	N
CDC37L1-AS1	0.789155726	N	0	N
CSTA	0.789155726	N	2	N
GAA	0.789155726	N	51	N
MBNL3	0.789155726	N	3	N
MIGA2	0.789155726	N	0	N
MTERF2	0.789155726	N	0	N
OCIAD2	0.789155726	N	1	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
PPM1F	0.789155726	N	0	N
RCN2	0.789155726	N	0	N
SKOR1	0.789155726	N	0	N
SLC35F2	0.789155726	N	0	N
TTC9B	0.789155726	N	0	N
VEZF1P1	0.789155726	N	0	N
Z95114.2	0.789155726	N	0	N
ZNF510	0.789397937	N	0	N
TMX2P1	0.78974196	N	0	N
CPNE7	0.789821995	N	0	N
FANCF	0.789821995	N	0	N
RHPN2	0.789821995	N	0	N
AUH	0.789929776	N	22	N
GCSH	0.789929776	N	0	N
LINC01638	0.789932788	N	0	N
ADAMTSL4-AS1	0.789949193	N	0	N
TREX2	0.789949193	N	1	N
AC006970.2	0.789969288	N	0	N
ZNF415P1	0.790004195	N	0	N
ST7-AS1	0.790033942	N	0	N
ATPIF1	0.79015605	N	0	N
NAMPT	0.79015605	N	136	Y
SREK1IP1	0.79015605	N	0	N
AF241726.1	0.790307085	N	0	N
MAFF	0.790402004	N	4	N
SLC48A1	0.790402004	N	0	N
TMEM212	0.790402004	N	0	N
CCL5	0.790412859	N	123	Y
SPATA24	0.79050167	N	0	N
ASIC4	0.790504436	N	0	N
FOXF2	0.790504436	N	4	N
GMFBP1	0.790504436	N	0	N
TMA7	0.790504436	N	0	N
ACER1	0.790606373	N	1	N
AL357033.3	0.790606373	N	0	N
AP000845.1	0.790606373	N	0	N
CEBPZOS	0.790606373	N	0	N
PNKD	0.790606373	N	0	N
PRAL	0.790606373	N	18	N
SUB1P3	0.790606373	N	0	N
TCEAL9	0.790606373	N	0	N
TIGD5	0.790606373	N	0	N
USP3-AS1	0.790606373	N	0	N
AC004801.1	0.790619491	N	0	N
AL022344.1	0.790619491	N	0	N
AL137244.1	0.790619491	N	0	N
BCLAF1	0.790619491	N	1	N
GTF3C2	0.790619491	N	0	N
NID1	0.790619491	N	2	N
RBPMS-AS1	0.790619491	N	0	N
SIX2	0.790619491	N	6	N
TTC23L	0.790619491	N	0	N
ULBP3	0.790619491	N	0	N
AL032822.1	0.790652108	N	0	N
AL513302.2	0.790652108	N	0	N
BOP1	0.790652108	N	0	N
HOTTIP	0.790652108	N	3	N
TH	0.7908138	N	1000	Y
AL021155.1	0.791100847	N	0	N
AL117336.3	0.791100847	N	0	N
ZNF619	0.791100847	N	0	N
AC139530.3	0.791375027	N	0	N
SYNJ2	0.791375027	N	1	N
AC010247.1	0.791577867	N	0	N
CAPZA1	0.791620354	N	1	N
PKIG	0.791652582	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
NEU1	0.791708768	N	9	N
WDR3	0.791708768	N	1	N
AC010442.2	0.791817025	N	0	N
AL161937.2	0.791817025	N	0	N
AP000525.1	0.791817025	N	0	N
FAM13B	0.791817025	N	0	N
STIM2	0.791817025	N	0	N
SPRYD4	0.791857812	N	0	N
GABRE	0.791983196	N	0	N
CLEC18A	0.792077779	N	0	N
ZBTB3	0.792114731	N	0	N
ABRAXAS2	0.79212918	N	0	N
AC138207.8	0.792273881	N	0	N
ASTN1	0.792273881	N	0	N
BRI3BP	0.792273881	N	0	N
LRRC32	0.792273881	N	0	N
NR2F1-AS1	0.792273881	N	0	N
PHBP2	0.792273881	N	0	N
TIMM10B	0.792273881	N	0	N
TCTEX1D4	0.792448002	N	0	N
LRRC37A	0.79267	N	0	N
AC009299.2	0.792704739	N	0	N
AC019322.4	0.792704739	N	0	N
AC020913.2	0.792704739	N	0	N
ACOX2	0.792704739	N	7	N
AL035404.1	0.792704739	N	0	N
C12orf49	0.792704739	N	0	N
LINC01825	0.792704739	N	0	N
MUC20	0.792704739	N	0	N
PMPCB	0.792704739	N	0	N
POLR3F	0.792704739	N	0	N
SP140	0.792704739	N	0	N
TNFSF13B	0.792704739	N	11	N
AP003419.4	0.792872331	N	0	N
AC009831.2	0.792907002	N	0	N
AC068448.1	0.792907002	N	0	N
ADCY5	0.792907002	N	32	N
NTPCR	0.792907002	N	0	N
SNHG3	0.793005196	N	0	N
MRRF	0.793069202	N	0	N
ZNF684	0.793069202	N	0	N
AK6	0.793071299	N	0	N
DMAC1	0.793071299	N	0	N
EIF3IP1	0.793071299	N	0	N
ERVMER34-1	0.793071299	N	0	N
OGFOD1	0.793071299	N	0	N
PHLDB3	0.793071299	N	0	N
SLC8A2	0.793071299	N	1	N
WDR72	0.793071299	N	1	N
AC004453.1	0.793099548	N	0	N
AC010240.1	0.793099548	N	0	N
AC025580.3	0.793099548	N	0	N
AC243654.3	0.793099548	N	0	N
AP000941.1	0.793099548	N	0	N
AP001972.5	0.793099548	N	0	N
APOL1	0.793099548	N	6	N
BTBD11	0.793099548	N	0	N
CSNK2A1	0.793099548	N	3	N
CUTC	0.793099548	N	0	N
EMD	0.793099548	N	42	N
EPHB3	0.793099548	N	5	N
FAM3C2	0.793099548	N	0	N
FAM91A3P	0.793099548	N	0	N
JRKL	0.793099548	N	0	N
LYPLA1	0.793099548	N	1	N
PRDX2P3	0.793099548	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
SCN8A	0.793099548	N	2	N
USP36	0.793099548	N	0	N
ZSWIM8-AS1	0.793099548	N	0	N
CCDC120	0.793200049	N	0	N
CD200	0.793200049	N	7	N
GPX1	0.793200049	N	84	N
FBXL19-AS1	0.793225217	N	0	N
FAM71F2	0.793240672	N	0	N
KDM2A	0.793240672	N	0	N
HEXB	0.79338998	N	2	N
AL359258.3	0.793527021	N	0	N
EDNRA	0.793857247	N	3	N
UBQLN1	0.793865669	N	4	N
ARL10	0.793938775	N	0	N
MICAL1	0.793938775	N	0	N
AC133552.6	0.794042201	N	0	N
FAM69C	0.794042201	N	0	N
TRPM8	0.794349716	N	11	N
VWA5B1	0.794349716	N	0	N
NSF	0.794490296	N	75	N
ZNF286A	0.794586696	N	0	N
ACOT1	0.794670437	N	5	N
ANGPTL3	0.794670437	N	49	N
FHAD1	0.794670437	N	1	N
RPS26	0.794670437	N	0	N
TMEM40	0.794670437	N	0	N
CDCA4P4	0.794753189	N	0	N
DLEC1	0.794753189	N	1	N
SLC25A33	0.794753189	N	1	N
AC005520.1	0.794821068	N	0	N
AC244021.2	0.794821068	N	0	N
ATR	0.794821068	N	52	N
CHAMP1	0.794821068	N	0	N
FEM1A	0.794821068	N	3	N
HAUS1P3	0.794821068	N	0	N
KCNJ3	0.794821068	N	1	N
RPL29	0.794821068	N	2	N
RPS15A	0.794821068	N	1	N
ZNF444	0.794821068	N	0	N
AC104113.1	0.794843137	N	0	N
MZT2B	0.794843137	N	0	N
PAX6	0.794843137	N	233	Y
TFR2	0.794843137	N	3	N
VSTM2L	0.794843137	N	0	N
AC097451.1	0.794995768	N	0	N
AL445687.2	0.794995768	N	0	N
JCHAIN	0.794995768	N	0	N
KIRREL3	0.794995768	N	1	N
AC113404.3	0.795062786	N	0	N
AL121761.2	0.795062786	N	0	N
ARHGEF4	0.795062786	N	0	N
CDH18	0.795062786	N	2	N
RILPL2	0.795062786	N	0	N
ROBO4	0.795062786	N	0	N
TUBGCP2	0.795062786	N	0	N
ZNF263	0.795062786	N	0	N
LINC02389	0.795069112	N	0	N
CLEC14A	0.79506965	N	0	N
GALNT1	0.79506965	N	1	N
PAQR3	0.79506965	N	8	N
PGM5	0.79506965	N	0	N
PIGK	0.79506965	N	0	N
TAF1B	0.79506965	N	0	N
TCAP	0.79506965	N	3	N
AC004386.1	0.795089248	N	0	N
AL731577.2	0.795089248	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AVPI1	0.795089248	N	0	N
FAM227A	0.795089248	N	0	N
GEM	0.795089248	N	23	N
HERC2P9	0.795089248	N	0	N
HNRNPK	0.795089248	N	4	N
IRAK4	0.795089248	N	4	N
LPCAT4	0.795089248	N	0	N
NAIF1	0.795089248	N	0	N
PITX2	0.795089248	N	12	N
AC009404.1	0.795091972	N	0	N
AC009812.2	0.795091972	N	0	N
AC068790.6	0.795091972	N	0	N
AC126474.1	0.795091972	N	0	N
AL137014.1	0.795091972	N	0	N
AL353807.3	0.795091972	N	0	N
AL589743.1	0.795091972	N	0	N
AL596325.2	0.795091972	N	0	N
AP002469.1	0.795091972	N	0	N
C1orf64	0.795091972	N	0	N
CHCHD10	0.795091972	N	1	N
COL25A1	0.795091972	N	0	N
COX14	0.795091972	N	0	N
CPLX1	0.795091972	N	2	N
EDC3	0.795091972	N	2	N
FAM43B	0.795091972	N	0	N
HP	0.795091972	N	682	Y
KIF26A	0.795091972	N	0	N
LUZP2	0.795091972	N	0	N
MUC19	0.795091972	N	0	N
NBPF15	0.795091972	N	0	N
NMNAT2	0.795091972	N	2	N
SCML4	0.795091972	N	0	N
SNORA3B	0.795091972	N	0	N
THUMPD3	0.795091972	N	0	N
TMEM171	0.795091972	N	0	N
TMEM250	0.795091972	N	0	N
USP37	0.795091972	N	0	N
ZNF66	0.795091972	N	0	N
NPM1P46	0.795099531	N	0	N
TM7SF2	0.795216675	N	0	N
IQCH	0.795303107	N	1	N
FKBP3	0.79541689	N	0	N
COX17	0.79558604	N	1	N
LGMN	0.79558604	N	0	N
AL355852.1	0.795617882	N	0	N
AC112191.2	0.795659227	N	0	N
DSP	0.795659227	N	41	N
DCBLD2	0.795826995	N	1	N
AC132825.3	0.796134811	N	0	N
AL049779.1	0.796179646	N	0	N
AC068254.2	0.796211798	N	0	N
AC080100.1	0.796211798	N	0	N
NBN	0.796211798	N	2	N
NSMF	0.796211798	N	0	N
PGF	0.796211798	N	195	Y
PRAM1	0.796211798	N	0	N
RNU4-2	0.796211798	N	0	N
TEN1	0.796211798	N	0	N
VAC14	0.796211798	N	4	N
AC092171.5	0.796441667	N	0	N
KCNIP2	0.796441667	N	1	N
TBL2	0.796441667	N	1	N
AC004951.2	0.796484638	N	0	N
DNAJC6	0.796484638	N	0	N
PLP2	0.796484638	N	1	N
RSRC1	0.796484638	N	1	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
DLX6-AS1	0.796514517	N	0	N
EEFIG	0.796514517	N	0	N
PPAT	0.796514517	N	2	N
QSOX1	0.796514517	N	1	N
SLC35B3	0.796514517	N	1	N
AC097638.1	0.796515172	N	0	N
AL360270.1	0.796515172	N	0	N
AL449283.1	0.796515172	N	0	N
VMA21	0.796515172	N	0	N
AC114956.3	0.796525192	N	0	N
LDHAP4	0.796584652	N	0	N
MITF	0.796584652	N	19	N
FBXL8	0.796614326	N	0	N
RBM26	0.796614326	N	0	N
IQSEC3	0.796669401	N	0	N
ZNF658	0.796718213	N	0	N
MINOS1	0.796961402	N	0	N
SMIM2-AS1	0.797029079	N	0	N
TTL11	0.797029079	N	0	N
AC010913.1	0.79709211	N	0	N
ACP5	0.79709211	N	12	N
AC004951.4	0.797145934	N	0	N
AC016716.1	0.797145934	N	0	N
AL137783.1	0.797145934	N	0	N
KIF3A	0.797145934	N	5	N
SNCG	0.797145934	N	5	N
TOR2A	0.797145934	N	5	N
FAM215B	0.797478526	N	0	N
AC010319.1	0.797506015	N	0	N
AC092120.1	0.797506015	N	0	N
AC103988.1	0.797506015	N	0	N
AL589842.1	0.797506015	N	0	N
ATP6V1C1	0.797506015	N	0	N
CCDC50	0.797506015	N	0	N
DPY19L1	0.797506015	N	0	N
FLJ21408	0.797506015	N	0	N
GLTPP1	0.797506015	N	0	N
NOVA2	0.797506015	N	1	N
SLC10A2	0.797506015	N	3	N
SLC22A18	0.797506015	N	2	N
STAMBPL1	0.797506015	N	0	N
THAP9-AS1	0.797506015	N	0	N
AC067852.6	0.797507459	N	0	N
TAS1R1	0.797550079	N	4	N
ASB13	0.797633311	N	0	N
ELP1	0.797633311	N	2	N
NOA1	0.797633311	N	0	N
LINC00304	0.797696412	N	0	N
AC008105.3	0.797780885	N	0	N
AC015689.1	0.797780885	N	0	N
AL589666.2	0.797780885	N	0	N
C1QTNF6	0.797780885	N	4	N
RPS23P1	0.797780885	N	0	N
APPL2	0.797852114	N	13	N
FAM124B	0.797852114	N	0	N
PGAM1P8	0.797852114	N	0	N
ACAT1	0.797928204	N	9	N
ABLIM1	0.797962655	N	1	N
PFKFB3	0.797962655	N	29	N
COX4I1	0.797967525	N	6	N
LINC01012	0.797967525	N	0	N
SH3BGRL3	0.797967525	N	0	N
AC012510.1	0.798144172	N	0	N
AC016397.1	0.798169386	N	0	N
AC114490.2	0.798352015	N	0	N
ATP5L2	0.798352015	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AL021453.1	0.79871255	N	0	N
AQP4-AS1	0.79871255	N	0	N
JKAMP	0.79871255	N	0	N
WNT5B	0.79871255	N	10	N
STATH	0.79874381	N	0	N
ADAMTS1	0.798749573	N	10	N
PRR16	0.798749573	N	0	N
SERTAD4	0.798749573	N	0	N
AC022034.2	0.798818084	N	0	N
ABHD14B	0.798900986	N	0	N
AP003086.1	0.798900986	N	0	N
CLDN12	0.798900986	N	0	N
HAUS2	0.798900986	N	0	N
RIMS1	0.798900986	N	4	N
TM6SF2	0.798900986	N	37	N
TRAPPC3	0.799235119	N	0	N
AL627230.4	0.799296839	N	0	N
LINC01990	0.799296839	N	0	N
SF3A2	0.799296839	N	0	N
CELF6	0.799440935	N	1	N
ACE	0.799515616	N	1000	Y
DOLK	0.799580818	N	4	N
AL355336.1	0.799719865	N	0	N
CCDC191	0.799744229	N	0	N
COX6C	0.799744229	N	1	N
FAM185A	0.799744229	N	0	N
ENTPD3	0.799923826	N	1	N
AC105053.1	0.800028866	N	0	N
AC002558.3	0.800134191	N	0	N
AC004817.4	0.800134191	N	0	N
ETV7	0.800134191	N	0	N
FCMR	0.800134191	N	1	N
PORCN	0.800134191	N	0	N
AC009517.1	0.800138412	N	0	N
PRIM2	0.800198374	N	0	N
GLIPR2	0.800236307	N	0	N
ITGA8	0.800236307	N	0	N
NPR2	0.800236307	N	6	N
SDF2	0.800290933	N	0	N
GPT	0.800452245	N	80	N
LINC01125	0.80050255	N	0	N
SMARCD3	0.80050255	N	6	N
AC025881.1	0.800679201	N	0	N
AC027097.2	0.800783184	N	0	N
C16orf86	0.800783184	N	0	N
NUP210	0.800783184	N	1	N
UBE2NL	0.800783184	N	0	N
AC126177.7	0.800841882	N	0	N
AC133644.1	0.800841882	N	0	N
AL122018.1	0.800841882	N	0	N
COQ10BP2	0.800841882	N	0	N
GNB4	0.800841882	N	1	N
JMJD7-PLA2G4B	0.800841882	N	0	N
MTND2P2	0.800841882	N	0	N
POU2F3	0.800841882	N	3	N
SCAMP3	0.800841882	N	3	N
SLC45A2	0.800841882	N	0	N
FXYD5	0.800858495	N	0	N
INTS7	0.800858495	N	0	N
AC005726.3	0.800879751	N	0	N
AC010491.1	0.800879751	N	0	N
AC096677.2	0.800879751	N	0	N
ACTN4	0.800879751	N	4	N
ADARB2	0.800879751	N	2	N
GALR1	0.800879751	N	13	N
IARS2P1	0.800879751	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
ICE2P2	0.800879751	N	0	N
SLC39A7	0.800879751	N	4	N
TRERF1	0.800879751	N	0	N
RDH13	0.80096052	N	0	N
TPRN	0.800979075	N	0	N
GAPDHP1	0.80104828	N	0	N
LDHAP5	0.80104828	N	0	N
RPS7P10	0.80104828	N	0	N
GPDIL	0.801060466	N	2	N
PTRH2	0.801096774	N	0	N
AC011944.2	0.801155743	N	0	N
AC084083.1	0.801183218	N	0	N
ACACA	0.801183218	N	64	N
ADRA1A	0.801183218	N	7	N
PTOV1	0.801183218	N	0	N
AL031281.2	0.801271162	N	0	N
NBPF3	0.801271162	N	0	N
OBSL1	0.801271162	N	6	N
SH2D3A	0.801271162	N	1	N
SPEF2	0.801271162	N	0	N
ZNF468	0.801271162	N	0	N
NHLH2	0.801365281	N	2	N
TIMP1	0.801365281	N	63	N
ATP6V0E2	0.801371694	N	0	N
CROCC2	0.801371694	N	0	N
LYPD5	0.801371694	N	0	N
PSMB1	0.801371694	N	1	N
SCARF1	0.801371694	N	0	N
AC010182.1	0.801651758	N	0	N
AC024451.3	0.801767514	N	0	N
AC233702.10	0.801767514	N	0	N
ARL16	0.801767514	N	0	N
C12orf54	0.801767514	N	0	N
LINC00265	0.801767514	N	0	N
SOWAHB	0.801767514	N	0	N
TMEM68	0.801767514	N	0	N
CLU	0.801844116	N	36	N
NSUN3	0.801844116	N	0	N
ZNF436-AS1	0.801844116	N	0	N
COX6B1	0.801924723	N	1	N
LRRC73	0.801924723	N	0	N
HEATR3	0.802045818	N	0	N
ANXA4	0.80210025	N	1	N
AP005060.1	0.80210025	N	0	N
CRYZL1	0.80210025	N	0	N
HENMT1	0.80210025	N	0	N
SSU72	0.80210025	N	0	N
STK35	0.80210025	N	0	N
PDHX	0.802296017	N	2	N
BRIX1	0.802303567	N	0	N
AC134407.2	0.802403111	N	0	N
CHUK	0.802403111	N	30	N
MIP	0.802403111	N	224	Y
SNORA14A	0.802414971	N	0	N
TAGLN3	0.802414971	N	0	N
TRIM60P18	0.802414971	N	0	N
AL133520.1	0.802634283	N	0	N
KAZN	0.802634283	N	0	N
LINC00710	0.802634845	N	0	N
IZUMO2	0.802714185	N	0	N
KIF26B	0.802714185	N	1	N
PTENP1	0.802714185	N	1	N
STAM	0.802714185	N	32	N
ZMYM6	0.802714185	N	0	N
AC124016.2	0.803089582	N	0	N
SOWAHD	0.803192482	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AL359075.1	0.803255569	N	0	N
CEACAM8	0.803523465	N	1	N
AC010435.1	0.803525318	N	0	N
HSD17B7	0.803570138	N	2	N
MARVELD3	0.803603919	N	0	N
AC104389.3	0.803620872	N	0	N
ARPC2	0.803622938	N	0	N
CCDC40	0.803622938	N	0	N
CBWD2	0.803684518	N	0	N
KLHL15	0.80368542	N	0	N
KLHL2	0.80368542	N	0	N
GHRLOS	0.803759767	N	1	N
MTERF1	0.803759767	N	0	N
PDZD11	0.803759767	N	0	N
SLC8A1	0.803759767	N	1	N
Z99129.3	0.803923203	N	0	N
AC016542.3	0.803924452	N	0	N
AJUBA	0.803924452	N	1	N
CPSF7	0.803924452	N	0	N
NPB	0.803924452	N	9	N
OLA1P3	0.803924452	N	0	N
RIPOR2	0.803924452	N	0	N
SIX5	0.803924452	N	2	N
PCNP	0.804041243	N	1	N
AC113403.1	0.804384528	N	0	N
AL024508.2	0.804384528	N	0	N
AL078590.2	0.804384528	N	0	N
AL353708.1	0.804384528	N	0	N
C10orf88	0.804384528	N	0	N
CATSPER2P1	0.804384528	N	0	N
CUL1P1	0.804384528	N	0	N
GPAM	0.804384528	N	13	N
PTK2	0.804384528	N	176	Y
RN7SL357P	0.804384528	N	0	N
ST8SIA1	0.804384528	N	2	N
TUBB2A	0.804384528	N	2	N
ADD3-AS1	0.804389274	N	0	N
NRIP3	0.804389274	N	0	N
ST20-AS1	0.804401727	N	0	N
CSF2	0.804557126	N	8	N
ARPP19	0.804646014	N	0	N
HSPG2	0.804646014	N	6	N
MYSM1	0.804646014	N	0	N
AL034417.2	0.804669847	N	0	N
GFPT2	0.804669847	N	5	N
PTPRJ	0.804673548	N	4	N
AC007496.3	0.804945624	N	0	N
APOPT1	0.804945624	N	1	N
CYFIP2	0.804945624	N	2	N
DXO	0.804945624	N	2	N
PLPP1	0.804945624	N	0	N
SELPLG	0.804945624	N	1	N
SSSCA1	0.804945624	N	0	N
AC003102.1	0.805002964	N	0	N
AC007546.1	0.805002964	N	0	N
AC008264.2	0.805002964	N	0	N
AC008620.2	0.805002964	N	0	N
ANKRD36BP2	0.805002964	N	0	N
ANXA2R	0.805002964	N	0	N
LINC00702	0.805002964	N	0	N
AC021097.1	0.805013097	N	0	N
AP000648.3	0.805013097	N	0	N
ARHGAP1	0.805013097	N	0	N
CA5A	0.805013097	N	0	N
CGREF1	0.805013097	N	0	N
HOGA1	0.805013097	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
LARP1	0.805013097	N	0	N
PIP4K2B	0.805013097	N	3	N
SNX32	0.805013097	N	0	N
TSPAN32	0.805013097	N	0	N
AGBL3	0.805154178	N	0	N
AL355512.1	0.805154178	N	0	N
AP001803.1	0.805154178	N	0	N
FAM199X	0.805154178	N	0	N
FRAS1	0.805154178	N	0	N
IRX4	0.805154178	N	0	N
P4HA3	0.805154178	N	0	N
WDR13	0.805154178	N	3	N
ZFHX3	0.805154178	N	0	N
ZNF480	0.805154178	N	0	N
SCNN1D	0.805169304	N	0	N
TRABD	0.805169304	N	0	N
PLCE1-AS1	0.805177353	N	0	N
SNX6P1	0.805177353	N	0	N
AC037479.1	0.805206264	N	0	N
AP002364.1	0.805206264	N	0	N
COX19	0.805206264	N	0	N
GALNS	0.805206264	N	0	N
LANCL1	0.805206264	N	2	N
OTUB1	0.805206264	N	0	N
POLDIP2	0.805206264	N	2	N
PRND	0.805206264	N	0	N
RNF145	0.805206264	N	2	N
SNF8	0.805206264	N	0	N
AC093878.1	0.80527963	N	0	N
AC107890.1	0.80527963	N	0	N
AC125611.3	0.80527963	N	0	N
AC132872.3	0.80527963	N	0	N
AGPAT3	0.80527963	N	1	N
AL591379.1	0.80527963	N	0	N
CHRM5	0.80527963	N	0	N
DIP2A	0.80527963	N	0	N
FLJ36000	0.80527963	N	0	N
FLT1P1	0.80527963	N	0	N
ICAM2	0.80527963	N	1	N
MKNK2P1	0.80527963	N	0	N
NR2F2-AS1	0.80527963	N	0	N
P2RY11	0.80527963	N	2	N
PUS7	0.80527963	N	0	N
RHOU	0.80527963	N	1	N
RPS27AP12	0.80527963	N	0	N
RPS2P45	0.80527963	N	0	N
TRIM22	0.80527963	N	1	N
WDCP	0.80527963	N	0	N
RPL4P5	0.805524422	N	0	N
AC080013.4	0.805732235	N	0	N
AC097504.1	0.805732235	N	0	N
AC005840.4	0.805739128	N	0	N
BLOC1S4	0.805739128	N	0	N
SOX8	0.805739128	N	2	N
AMMECR1-IT1	0.805745725	N	0	N
AC107993.1	0.805762876	N	0	N
ACTN1-AS1	0.805762876	N	0	N
AL117336.2	0.805762876	N	0	N
LINC00667	0.805762876	N	0	N
TMEM41A	0.805762876	N	0	N
PARP10	0.805768178	N	1	N
FAM118B	0.805809457	N	0	N
TCEA1	0.805809457	N	0	N
S100A4	0.805937364	N	19	N
ABLIM3	0.806006385	N	0	N
AC006058.3	0.806006385	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC068039.4	0.806006385	N	0	N
B3GNTL1	0.806006385	N	0	N
MON1A	0.806006385	N	1	N
IDH2	0.806022508	N	5	N
LSR	0.806022508	N	11	N
RASSF6	0.806022508	N	0	N
ZNF595	0.806371851	N	0	N
AC012645.1	0.806390382	N	0	N
ANP32B	0.806390382	N	0	N
CD163L1	0.806390382	N	0	N
DDX10P1	0.806390382	N	0	N
EIF2B3	0.806390382	N	0	N
FAM129B	0.806390382	N	0	N
PPP1R26P1	0.806390382	N	0	N
QRSL1	0.806390382	N	0	N
VCAN	0.806390382	N	19	N
AC010326.3	0.806458015	N	0	N
BRPF3	0.806458015	N	0	N
CCDC159	0.806458015	N	0	N
NIPSNAP3A	0.806458015	N	0	N
SCHIP1	0.806458015	N	0	N
ZNF92	0.806458015	N	0	N
AC002401.4	0.806513979	N	0	N
AC018628.1	0.806513979	N	0	N
CD209	0.806513979	N	5	N
DLL1	0.806513979	N	9	N
FER1L5	0.806513979	N	1	N
RHD	0.806513979	N	4	N
XPNPEP1	0.806513979	N	0	N
CAMK1D	0.806524968	N	11	N
PSMC1	0.806553268	N	0	N
RP11-394O4.5	0.806567171	N	0	N
AC004241.1	0.806574959	N	0	N
AC051619.8	0.806574959	N	0	N
AC099535.1	0.806574959	N	0	N
AL513327.1	0.806574959	N	0	N
AMD1	0.806574959	N	0	N
C19orf24	0.806574959	N	0	N
CAMTA2	0.806574959	N	1	N
CLEC2D	0.806574959	N	0	N
ELF2P3	0.806574959	N	0	N
ETHE1	0.806574959	N	0	N
HLA-C	0.806574959	N	38	N
MED23	0.806574959	N	3	N
METTLL16	0.806574959	N	0	N
MTFR1	0.806574959	N	1	N
PAICSP3	0.806574959	N	0	N
PIK3R2	0.806574959	N	20	N
NKRF	0.806847379	N	0	N
PPA2	0.806847379	N	2	N
AC017104.1	0.806944744	N	0	N
AC020779.1	0.806944744	N	0	N
AC073150.1	0.806944744	N	0	N
ASIC1	0.806944744	N	4	N
CCDC51	0.806944744	N	0	N
GEMIN4	0.806944744	N	0	N
Metazoa_SRP	0.806944744	N	0	N
SRP68	0.806944744	N	0	N
TMEM131	0.806944744	N	0	N
UTY	0.806944744	N	1	N
AC108125.1	0.806986678	N	0	N
AL162578.1	0.806986678	N	0	N
C2orf83	0.806986678	N	1	N
MTCO3P11	0.806986678	N	0	N
ZNHIT1P1	0.806986678	N	0	N
GPR89P	0.807025527	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
LINC00173	0.807025527	N	0	N
MLLT1	0.807025527	N	0	N
PGM2L1	0.807025527	N	0	N
POLR2CP1	0.807025527	N	0	N
PTPRS	0.807025527	N	5	N
RNF115	0.807025527	N	0	N
RNF181	0.807025527	N	0	N
AL110504.1	0.807028845	N	0	N
C5orf51	0.807028845	N	0	N
IPO7P1	0.807028845	N	0	N
OGDHL	0.807028845	N	0	N
Z98752.2	0.807232557	N	0	N
PATL1	0.807419271	N	0	N
AC008739.5	0.807439585	N	0	N
FMC1	0.807439585	N	1	N
LYPD6	0.807439585	N	0	N
RBM5-AS1	0.807439585	N	0	N
TBC1D22A	0.807439585	N	0	N
AP001469.3	0.807566893	N	0	N
NPTXR	0.807716743	N	0	N
FOXRED2	0.807863091	N	0	N
PEX3	0.807863091	N	0	N
TKT	0.807863091	N	7	N
DCAF4	0.807932293	N	0	N
CAV3	0.807995832	N	37	N
LRRN3	0.808056023	N	0	N
Z98882.1	0.808305383	N	0	N
ALX3	0.808315055	N	5	N
GOLT1B	0.808315055	N	0	N
MIR9-3HG	0.808315055	N	0	N
MSMO1	0.808315055	N	0	N
UXS1	0.808315055	N	0	N
AC105760.1	0.808376569	N	0	N
AL021878.2	0.808376569	N	0	N
CACTIN-AS1	0.808376569	N	0	N
CCL22	0.808376569	N	10	N
GPR4	0.808376569	N	3	N
HDAC8	0.808376569	N	3	N
INSIG1	0.808376569	N	120	Y
RPUSD1	0.808376569	N	0	N
ZNF761	0.808376569	N	0	N
AC025048.2	0.80872592	N	0	N
WDR33	0.80872592	N	0	N
C2orf71	0.808835921	N	0	N
MCF2	0.808835921	N	2	N
RTN4RL2	0.808835921	N	0	N
SELENOO	0.808835921	N	0	N
CDHR3	0.808929119	N	0	N
FLAD1	0.808929119	N	0	N
FIP1L1	0.808991637	N	1	N
AC020559.1	0.809056228	N	0	N
AC125232.1	0.809056228	N	0	N
DHX35	0.809056228	N	0	N
EEF1DP3	0.809056228	N	0	N
HAGH	0.809056228	N	2	N
HELZ2	0.809056228	N	1	N
IER3IP1	0.809056228	N	2	N
MAP3K11	0.809056228	N	1	N
MAST2	0.809056228	N	2	N
MOGAT3	0.809056228	N	2	N
AL121992.1	0.809233844	N	0	N
DTNBP1	0.809233844	N	0	N
GABRB3	0.809233844	N	2	N
LINC01998	0.809233844	N	0	N
RPL21P32	0.809233844	N	0	N
TNS2	0.809233844	N	5	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AZU1	0.809386383	N	1	N
AC135048.1	0.809420682	N	0	N
RPL7P49	0.809420682	N	0	N
AC093157.1	0.809468445	N	0	N
AHSA2	0.809468445	N	1	N
AP3B2	0.809468445	N	0	N
ATXN7L1	0.809468445	N	1	N
CLIC5	0.809468445	N	2	N
CSTB	0.809468445	N	4	N
DBN1	0.809468445	N	0	N
FAM83G	0.809468445	N	0	N
GRPEL2	0.809468445	N	0	N
IQANK1	0.809468445	N	0	N
NAA15	0.809468445	N	0	N
PARP12	0.809468445	N	0	N
TNFSF10	0.809468445	N	33	N
AL590326.2	0.809493397	N	0	N
CERS2	0.809493397	N	11	N
PHKG2	0.809493397	N	1	N
TMEM9B-AS1	0.809493397	N	0	N
ZNF442	0.809493397	N	0	N
AC022211.4	0.809605022	N	0	N
B4GALT6	0.809605022	N	1	N
MUC17	0.809669354	N	0	N
AC083806.2	0.809670827	N	0	N
AP2M1	0.809670827	N	2	N
CDC25A	0.809670827	N	8	N
FLJ37035	0.809670827	N	0	N
GAPDHP40	0.809670827	N	0	N
MTIL	0.809670827	N	1	N
ANKRD1	0.809747935	N	1	N
C10orf82	0.809747935	N	0	N
GSTP1P1	0.809747935	N	0	N
GTF3C2-AS1	0.809747935	N	0	N
SPCS1	0.809747935	N	0	N
TRAF1	0.809747935	N	10	N
MANEA-AS1	0.809926587	N	0	N
PALB2	0.809926587	N	0	N
PHF1	0.809944042	N	5	N
MIR663AHG	0.809969433	N	0	N
TRIM17	0.809969433	N	0	N
CD101	0.810010014	N	6	N
SSR2	0.810418458	N	1	N
ADD2	0.810640507	N	0	N
AL359643.2	0.810640507	N	0	N
AL512488.1	0.810640507	N	0	N
WAC-AS1	0.810677521	N	0	N
PTP4A1P4	0.810699932	N	0	N
ARHGEF26	0.81071517	N	1	N
TMOD4	0.81071517	N	0	N
AC007731.2	0.810930065	N	0	N
AC107954.1	0.810930065	N	0	N
NME9	0.810984989	N	0	N
CTD-2245F17.3	0.811083011	N	0	N
AL354872.1	0.811160151	N	0	N
PRKAG1	0.811160151	N	6	N
C8orf34	0.811283457	N	0	N
AC096720.2	0.811312289	N	0	N
AC239799.1	0.811312289	N	0	N
AP001094.4	0.811312289	N	0	N
CXCL8	0.811312289	N	56	N
RPSAP52	0.811312289	N	0	N
TRUB1	0.811312289	N	0	N
SEMA5B	0.811341698	N	0	N
AC026356.1	0.811368318	N	0	N
ACSM2A	0.811538691	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
ANKRD30BL	0.811538691	N	0	N
AL359258.2	0.8115524	N	0	N
GNAI3	0.811554418	N	6	N
OTUD5	0.811578179	N	0	N
SLC12A4	0.811618041	N	1	N
TAF3	0.811618041	N	0	N
AC124283.4	0.811761645	N	0	N
ALG1L9P	0.811790556	N	0	N
AC100757.3	0.811896711	N	0	N
NHLRC3	0.81196068	N	0	N
AC009812.1	0.812056599	N	0	N
AC126323.2	0.812056599	N	0	N
C11orf68	0.812056599	N	0	N
CC2D2A	0.812073337	N	0	N
BAALC-AS1	0.81245946	N	0	N
ERCC1	0.81245946	N	7	N
RBPJ	0.81245946	N	8	N
AC105020.3	0.812807886	N	0	N
AL139274.2	0.812807886	N	0	N
AL592148.3	0.812807886	N	0	N
C14orf93	0.812807886	N	0	N
SERPING1	0.812807886	N	9	N
EEF1GP5	0.812807951	N	0	N
SETD6	0.812876974	N	0	N
DYRK3	0.81289994	N	0	N
CEP170	0.812945115	N	0	N
CTSV	0.812945115	N	1	N
DUXAP8	0.812945115	N	0	N
AC009126.1	0.812969323	N	0	N
CD9	0.812969323	N	22	N
ENO3	0.812969323	N	2	N
LMO2	0.812969323	N	2	N
SGPP1	0.812969323	N	3	N
SMCO4	0.812969323	N	0	N
THAP9	0.812969323	N	0	N
AC005828.7	0.812982717	N	0	N
ST7	0.812982717	N	5	N
NKX6-1	0.813266885	N	293	Y
ARHGEF10	0.813330827	N	1	N
AC055733.1	0.813454246	N	0	N
C19orf54	0.813454246	N	0	N
KAT7	0.813454246	N	0	N
MMP28	0.813454246	N	0	N
TGM2	0.813454246	N	9	N
TMEM8B	0.813454246	N	0	N
UBAP1L	0.813454246	N	0	N
ZNF141	0.813454246	N	0	N
TRIM8	0.813588467	N	2	N
ZNF695	0.813588467	N	0	N
BGLAP	0.813681001	N	17	N
COPS2	0.813681001	N	0	N
SAMD13	0.813681001	N	0	N
AC006058.1	0.813702981	N	0	N
AL133243.3	0.813702981	N	0	N
CANX	0.813702981	N	1	N
CYP2J2	0.813702981	N	11	N
DHX40	0.813702981	N	0	N
KCNIP4	0.813702981	N	0	N
MOB3B	0.813702981	N	0	N
OSBPL7	0.813702981	N	0	N
RPL37P23	0.813702981	N	0	N
TCEAL8	0.813702981	N	0	N
TMEM256P1	0.813702981	N	0	N
VAMP8	0.813702981	N	14	N
KIZ-AS1	0.813887651	N	0	N
KRT19	0.813887651	N	1	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
PRKAR1A	0.813887651	N	13	N
RPAP2P1	0.813887651	N	0	N
AL162231.1	0.813950799	N	0	N
GALNT14	0.813972299	N	0	N
AC241520.1	0.814045863	N	0	N
SNHG20	0.814045863	N	0	N
ZNF778	0.814045863	N	0	N
AP001505.2	0.814070918	N	0	N
SNORD3B-2	0.814070918	N	0	N
CELF1	0.81430858	N	12	N
AC010680.2	0.814363321	N	0	N
AC234772.2	0.814363321	N	0	N
ASPHD1	0.814363321	N	0	N
ATG4A	0.814363321	N	0	N
DNMT3A	0.814363321	N	62	N
EPG5	0.814363321	N	0	N
FMR1-AS1	0.814363321	N	0	N
GGCT	0.814363321	N	5	N
KAT8	0.814363321	N	0	N
KC6	0.814363321	N	0	N
LINC01625	0.814363321	N	0	N
MCRIP2	0.814363321	N	0	N
MFSD10	0.814363321	N	0	N
SCN2B	0.814363321	N	0	N
SDCBPP3	0.814363321	N	0	N
SEPT10P1	0.814363321	N	0	N
SETDB2	0.814363321	N	0	N
SLC35B4	0.814363321	N	1	N
THUMPD2	0.814363321	N	0	N
TWIST1	0.814363321	N	19	N
ZNF691	0.814363321	N	0	N
MTMR9LP	0.814605691	N	0	N
RAB27A	0.814605691	N	55	N
AC055813.1	0.814689072	N	0	N
AC131212.3	0.814689072	N	0	N
AL079352.1	0.814689072	N	0	N
AL136526.1	0.814689072	N	0	N
AL161729.4	0.814689072	N	0	N
AL391994.1	0.814689072	N	0	N
CFAP57	0.814689072	N	0	N
GAS2L1	0.814689072	N	0	N
LINC02454	0.814689072	N	0	N
MSX1	0.814689072	N	13	N
SALRNA1	0.814689072	N	1	N
TSPAN19	0.814689072	N	0	N
PDXK	0.814735965	N	3	N
IFI16	0.81476645	N	2	N
ZNF793-AS1	0.814902041	N	0	N
AC011389.3	0.814923886	N	0	N
AC021683.3	0.814923886	N	0	N
EIF4EBP3	0.814923886	N	1	N
FAM178B	0.814923886	N	0	N
HHAT	0.814923886	N	1	N
ICE1	0.814923886	N	0	N
KIF3C	0.814923886	N	0	N
KRT222	0.814923886	N	0	N
LHFPL5	0.814923886	N	0	N
MED28	0.814923886	N	0	N
NWD2	0.814923886	N	1	N
ODCP	0.814923886	N	0	N
PRRT3-AS1	0.814923886	N	0	N
RN7SL73P	0.814923886	N	0	N
ZNF814	0.814923886	N	0	N
UTP4	0.815157891	N	0	N
NSUN4	0.815318734	N	1	N
AC008622.2	0.81538508	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
UVSSA	0.815442164	N	0	N
AC124068.1	0.815469335	N	0	N
AC135050.3	0.815512108	N	0	N
AFG3L2	0.815555199	N	0	N
AC091181.1	0.81558207	N	0	N
AC108451.1	0.81558207	N	0	N
AC137627.1	0.81558207	N	0	N
AC239798.4	0.81558207	N	0	N
CAB39	0.81558207	N	0	N
FBXO45	0.81558207	N	1	N
GSTT2B	0.81558207	N	0	N
IMMP1LP2	0.81558207	N	0	N
MKNK1	0.81558207	N	11	N
PKN2	0.81558207	N	3	N
SCARNA15	0.81558207	N	0	N
SEC22C	0.81558207	N	0	N
SLC25A46	0.81558207	N	0	N
WDR89	0.81558207	N	0	N
AP000487.1	0.81563097	N	0	N
IYD	0.81583253	N	3	N
KCNN4	0.81583253	N	6	N
MANEAL	0.815851531	N	0	N
MAP3K20-AS1	0.815991852	N	0	N
AC010776.2	0.816013893	N	0	N
AC130472.1	0.816013893	N	0	N
BROX	0.816013893	N	3	N
DOCK5	0.816013893	N	2	N
H19	0.816013893	N	807	Y
INSL6	0.816013893	N	26	N
PPTC7	0.816013893	N	0	N
TNFRSF1B	0.816013893	N	17	N
TBX2-AS1	0.816203274	N	0	N
SLK	0.816234666	N	2	N
TTY15	0.816267672	N	0	N
AC110285.7	0.816436544	N	0	N
ATP11A	0.816436544	N	0	N
DOC2A	0.816436544	N	1	N
EPHA1	0.816436544	N	3	N
HDAC4	0.816436544	N	34	N
STAG2	0.816436544	N	1	N
SVIL	0.816436544	N	0	N
LINC01761	0.816583936	N	0	N
BTBD18	0.816596647	N	0	N
AC006145.1	0.81661451	N	0	N
AC009152.1	0.81661451	N	0	N
AC009779.4	0.81661451	N	0	N
AC108134.3	0.81661451	N	0	N
BTG1	0.81661451	N	2	N
GHR	0.81661451	N	839	Y
KCNT2	0.81661451	N	2	N
KLF3-AS1	0.81661451	N	0	N
PLA2G4D	0.81661451	N	0	N
SFXN3	0.81661451	N	1	N
SOAT2	0.81661451	N	2	N
TXK	0.81661451	N	2	N
AC099506.2	0.816629181	N	0	N
PPIF	0.816629181	N	6	N
YWHAZP3	0.816810257	N	0	N
BMS1P1	0.816867758	N	0	N
HSP90AB1	0.816867758	N	5	N
PCGF7P	0.816867758	N	0	N
RSPO3	0.816867758	N	6	N
STK26	0.816867758	N	0	N
PRR14	0.816918246	N	0	N
LNPB	0.817206239	N	0	N
S100A5	0.817206239	N	1	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
TLE6	0.817206239	N	1	N
CSPP1	0.817210407	N	0	N
AC068946.1	0.817262901	N	0	N
PQLC2	0.81726791	N	0	N
AC008429.1	0.817331327	N	0	N
ATP13A2	0.817331327	N	0	N
POU5F1B	0.817368473	N	0	N
AC009133.1	0.817588939	N	0	N
CLIP1	0.817588939	N	0	N
PEX11G	0.817642556	N	1	N
ARIH2OS	0.817658	N	0	N
ATP5H	0.817658	N	2	N
FUZ	0.817658	N	2	N
KCTD11	0.817658	N	0	N
LRRC58	0.817658	N	0	N
TIMM8AP1	0.817658	N	0	N
RPARP-AS1	0.817738069	N	0	N
MRPL44	0.817828233	N	0	N
ZNF367	0.817986839	N	0	N
MIR4458HG	0.818104135	N	0	N
SEC13P1	0.818104135	N	0	N
SOX21	0.818104135	N	0	N
XKR8	0.818202293	N	0	N
MAGEF1	0.81831612	N	0	N
LINC02482	0.818338518	N	0	N
AL161932.1	0.818411468	N	0	N
WRN	0.818411468	N	23	N
AGTR1	0.81841718	N	28	N
NET1	0.81841718	N	1	N
NUDT9P1	0.81841718	N	0	N
PHYHD1	0.81841718	N	0	N
RASL11A	0.81841718	N	0	N
RPL35AP21	0.81841718	N	0	N
SLC8A3	0.81841718	N	1	N
AC005865.2	0.818437665	N	0	N
AC026202.2	0.818437665	N	0	N
AP5Z1	0.818437665	N	0	N
ARMC10	0.818437665	N	0	N
CYCS	0.818437665	N	3	N
DCAF13	0.818437665	N	0	N
EME2	0.818437665	N	0	N
NLGN1	0.818437665	N	0	N
NOC2LP2	0.818437665	N	0	N
PLEKHG6	0.818437665	N	0	N
SORCS2	0.818437665	N	6	N
AC092364.2	0.818473929	N	0	N
AL031118.1	0.81851587	N	0	N
ANGPTL7	0.818517578	N	1	N
ANKRD18CP	0.818659347	N	0	N
ABCA2	0.818803862	N	1	N
AC007346.1	0.818904692	N	0	N
AC016876.1	0.818904692	N	0	N
AC092902.2	0.818904692	N	0	N
LRFN4	0.818904692	N	0	N
NPEPL1	0.818904692	N	0	N
SLC35F3	0.818904692	N	0	N
ZNF92P3	0.818904692	N	0	N
LYRM1	0.81892252	N	7	N
RRP12	0.819027998	N	0	N
AL162231.3	0.819059075	N	0	N
C21orf2	0.819059075	N	0	N
CCNHP1	0.819059075	N	0	N
CCNT1	0.819059075	N	0	N
CRISPLD1	0.819059075	N	0	N
CTSA	0.819059075	N	14	N
CTSC	0.819059075	N	2	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
DYNC1LI2	0.819059075	N	0	N
GLI3	0.819059075	N	10	N
GSPT1	0.819059075	N	0	N
GXYLT1P6	0.819059075	N	0	N
HMGB3P4	0.819059075	N	0	N
HSD11B1L	0.819059075	N	0	N
LINC01165	0.819059075	N	0	N
MEDAG	0.819059075	N	0	N
MYEOV	0.819059075	N	1	N
PPP2R1B	0.819059075	N	1	N
RWDD4P2	0.819059075	N	0	N
SAYSD1	0.819059075	N	0	N
TAF15	0.819059075	N	1	N
TOLLIP	0.819059075	N	2	N
VTI1BP1	0.819059075	N	0	N
AC011445.2	0.81908623	N	0	N
AC112504.1	0.819261613	N	0	N
RIMS3	0.819261613	N	0	N
AC006330.1	0.819272972	N	0	N
XPO4	0.819272972	N	1	N
AL161452.1	0.819343496	N	0	N
PKD2L2	0.819343496	N	0	N
CSK	0.819404512	N	98	N
FAM156A	0.819405771	N	0	N
DPM3	0.819510029	N	0	N
ARID4B	0.819664555	N	0	N
AC010095.1	0.819830877	N	0	N
AC015795.1	0.819830877	N	0	N
AC092079.1	0.819830877	N	0	N
BEND6	0.819830877	N	0	N
CEP164P1	0.819830877	N	0	N
GP1BA	0.819830877	N	1	N
HDAC6	0.819830877	N	17	N
MIRLET7BHG	0.819830877	N	1	N
PCGF2	0.819830877	N	1	N
PVT1	0.819830877	N	2	N
PYGO2	0.819830877	N	1	N
RAMP2-AS1	0.819830877	N	0	N
RNF14	0.819830877	N	0	N
SLC25A29	0.819830877	N	0	N
AL136295.1	0.819893271	N	0	N
AL359764.1	0.819893271	N	0	N
AL365357.1	0.819893271	N	0	N
BAIAP3	0.819893271	N	2	N
HIST1H2AC	0.819893271	N	0	N
KCNJ5	0.819893271	N	3	N
RBM39	0.819893271	N	0	N
RBMXL2	0.819893271	N	0	N
RP11-524D16_A.3	0.819893271	N	0	N
SLC6A20	0.819893271	N	0	N
ZSCAN22	0.819893271	N	0	N
AC022182.2	0.820365014	N	0	N
AGGF1	0.820365014	N	1	N
C6orf136	0.820365014	N	0	N
DNAJC9-AS1	0.820365014	N	0	N
FOXQ1	0.820365014	N	3	N
PHBP13	0.820365014	N	0	N
SNAPC2	0.820396959	N	0	N
ATP2A1	0.820424177	N	5	N
GFRA2	0.820490471	N	1	N
NDOR1	0.820490471	N	0	N
PTPRE	0.820542445	N	4	N
RRP9	0.820542445	N	0	N
TCAIM	0.820542445	N	0	N
METTTL26	0.820544427	N	0	N
AC093768.1	0.820556699	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
ARHGEF28	0.820556699	N	0	N
DTX2	0.820556699	N	0	N
AL157871.3	0.820634626	N	0	N
AC004825.2	0.820871477	N	0	N
AC106795.1	0.820871477	N	0	N
AC122718.2	0.820871477	N	0	N
AC132812.2	0.820871477	N	0	N
ADAT3	0.820871477	N	0	N
AL731577.1	0.820871477	N	0	N
DDX50	0.820871477	N	0	N
ELFN1	0.820871477	N	0	N
GRIN2A	0.820871477	N	2	N
SSH3	0.820871477	N	0	N
TTL10-AS1	0.820871477	N	0	N
FNTAP2	0.820921054	N	0	N
NUMBL	0.820941226	N	0	N
RPL35	0.821158283	N	0	N
AC007308.6	0.821197818	N	0	N
AC126474.2	0.821197818	N	0	N
ADAP1	0.821197818	N	1	N
TAF7	0.821197818	N	0	N
TTL12	0.821197818	N	0	N
PSMD8P1	0.821232594	N	0	N
GPER1	0.821330253	N	37	N
CBR4	0.821375202	N	2	N
RABEP2	0.821375202	N	0	N
RPIA	0.821375202	N	1	N
SLC25A38	0.821375202	N	1	N
AC021491.2	0.821429771	N	0	N
C11orf72	0.821445797	N	0	N
AC025538.1	0.821497036	N	0	N
CHGB	0.821497036	N	11	N
FAM171A1	0.821497036	N	0	N
LY6G5B	0.821497036	N	0	N
AC005736.1	0.821561919	N	0	N
AC006001.2	0.821561919	N	0	N
AL049840.3	0.821561919	N	0	N
ANP32BP3	0.821561919	N	0	N
AP001781.3	0.821561919	N	0	N
FPR2	0.821561919	N	7	N
GLUD1	0.821561919	N	52	N
JAK2	0.821561919	N	476	Y
PSPN	0.821561919	N	0	N
RHOJ	0.821561919	N	0	N
TUBGCP6	0.821561919	N	0	N
FITM2	0.821611288	N	4	N
AC091178.1	0.821865407	N	0	N
AC005306.1	0.821878282	N	0	N
DHX32	0.821878282	N	0	N
HNRNPA0	0.821878282	N	0	N
POLR3A	0.821878282	N	0	N
TAS2R14	0.821878282	N	0	N
TNXB	0.821878282	N	1	N
PCDHB6	0.821886331	N	0	N
AC023906.1	0.821902953	N	0	N
ZIM2-AS1	0.822015852	N	0	N
GPHN	0.822054314	N	0	N
ABHD18	0.822242048	N	0	N
BOLA3-AS1	0.822242048	N	0	N
ABCA17P	0.822245093	N	0	N
AC022007.1	0.822245093	N	0	N
AC079601.1	0.822245093	N	0	N
AC090181.2	0.822245093	N	0	N
AL353608.4	0.822245093	N	0	N
AP5B1	0.822245093	N	0	N
C5AR2	0.822245093	N	15	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
HSBP1P2	0.822245093	N	0	N
MFSD14C	0.822245093	N	0	N
RCC2	0.822245093	N	0	N
SF3B5	0.822245093	N	0	N
STUB1	0.822245093	N	9	N
TMUB2	0.822245093	N	0	N
TRIML2	0.822245093	N	0	N
AL592429.1	0.822342414	N	0	N
DIS3	0.822342414	N	2	N
FGD1	0.822342414	N	0	N
MYC	0.822342414	N	916	Y
RSBN1	0.822342414	N	0	N
SMARCC2	0.822342414	N	0	N
GSTM3P2	0.822380238	N	0	N
HNRNPH1P1	0.822380238	N	0	N
HIST2H4B	0.82242186	N	0	N
L2HGDH	0.82242186	N	0	N
PRRX2	0.82242186	N	3	N
TBXA2R	0.82242186	N	13	N
AC243654.2	0.822563607	N	0	N
FLG-AS1	0.822563607	N	0	N
UBE2V2	0.822563607	N	1	N
ZNF292	0.822563607	N	0	N
PCED1A	0.822643474	N	0	N
AC008575.1	0.822832163	N	0	N
AL513550.1	0.822832163	N	0	N
DNM3	0.822894135	N	0	N
LINC00854	0.822894135	N	0	N
NDUFAB1	0.822894135	N	1	N
TAF1A-AS1	0.822894135	N	0	N
ZNF876P	0.822894135	N	0	N
AL137845.1	0.822935986	N	0	N
AL139811.1	0.823063843	N	0	N
AC090617.3	0.823107898	N	0	N
AC092119.2	0.823107898	N	0	N
AC093535.1	0.823107898	N	0	N
AP001476.1	0.823107898	N	0	N
BAZ1A	0.823107898	N	0	N
FDXR	0.823107898	N	1	N
NBPF14	0.823107898	N	0	N
RGS13	0.823107898	N	0	N
SNX3	0.823107898	N	1	N
TTC33	0.823107898	N	0	N
ZNF782	0.823107898	N	0	N
ZNF878	0.823107898	N	0	N
CYTOR	0.823127024	N	0	N
METRN	0.823127024	N	3	N
NELFCD	0.823127024	N	0	N
RXFP1	0.823127024	N	122	Y
VTI1B	0.823130714	N	0	N
SLC34A3	0.823149274	N	1	N
NIN	0.823162297	N	58	N
ATG101	0.823271117	N	0	N
HAAO	0.823271117	N	0	N
MIR3142HG	0.823271117	N	0	N
SGCE	0.823271117	N	7	N
C8orf59	0.823529879	N	0	N
RASGEF1B	0.823534583	N	0	N
HEXIM2	0.823644658	N	0	N
AL645728.1	0.823686311	N	0	N
GTF2A2	0.823686311	N	0	N
PHTF1	0.823686311	N	1	N
RNF2	0.823686311	N	3	N
SERPINE2	0.823686311	N	19	N
RTL10	0.823735075	N	0	N
AC012653.2	0.82378421	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC023301.1	0.82378421	N	0	N
GMCL1	0.82378421	N	0	N
SKP2	0.82378421	N	28	N
GOLGA8J	0.823823619	N	0	N
NT5DC3	0.823823619	N	0	N
EFHB	0.824290553	N	0	N
SLC12A2	0.824290553	N	11	N
KRBOX4	0.824368047	N	0	N
ZNF589	0.824397703	N	0	N
AC010680.4	0.824480165	N	0	N
AL008727.1	0.824480165	N	0	N
KRT8	0.824480165	N	5	N
MTAP	0.824480165	N	3	N
ZC3H10	0.824480165	N	0	N
PEG10	0.824563283	N	11	N
AC133539.1	0.824566836	N	0	N
Z86062.1	0.824566836	N	0	N
AC141586.1	0.824634684	N	0	N
CHID1	0.824634684	N	0	N
MYO3B	0.824634684	N	0	N
PPP1R37	0.824634684	N	0	N
SNRK	0.824634684	N	4	N
AL355338.1	0.824758274	N	0	N
NPPA-AS1	0.824758274	N	0	N
AC011005.1	0.824812433	N	0	N
AC093536.1	0.824812433	N	0	N
AC118344.2	0.824812433	N	0	N
AL031429.2	0.824812433	N	0	N
AL133445.2	0.824812433	N	0	N
ARHGAP9	0.824812433	N	0	N
ATP6V1C2	0.824812433	N	0	N
BUD31	0.824812433	N	0	N
DBP	0.824812433	N	885	Y
ELOVL1	0.824812433	N	4	N
EMB	0.824812433	N	8	N
HAPLN1	0.824812433	N	1	N
LINC02267	0.824812433	N	0	N
MFSD4A	0.824812433	N	1	N
MKRN2	0.824812433	N	0	N
PCSK4	0.824812433	N	5	N
RPL7L1	0.824812433	N	0	N
SERPINB8	0.824812433	N	2	N
TMEM5	0.824812433	N	0	N
VASH1	0.824812433	N	4	N
ZBTB17	0.824812433	N	1	N
AC093908.1	0.824874426	N	0	N
GPR153	0.824874426	N	0	N
LINC02204	0.824874426	N	0	N
TAF2	0.824874426	N	0	N
AC012213.2	0.82490419	N	0	N
AC132938.6	0.82490419	N	0	N
ASL	0.82490419	N	101	Y
INTS9	0.82490419	N	0	N
RAB8B	0.82490419	N	2	N
TIPARP-AS1	0.82490419	N	0	N
AL162586.1	0.824937963	N	0	N
AQP11	0.824937963	N	0	N
COX11	0.824937963	N	1	N
NAPEPLD	0.824937963	N	1	N
ORMDL2	0.824937963	N	0	N
PIGFP1	0.824937963	N	0	N
SRP68P3	0.824937963	N	0	N
ST6GALNAC6	0.824937963	N	0	N
SUCLG2	0.824937963	N	1	N
SYT12	0.824937963	N	0	N
TVP23A	0.824937963	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
CHD2	0.825030126	N	1	N
MATR3	0.825030126	N	0	N
MUC1	0.825030126	N	36	N
PRKAR2A-AS1	0.825030126	N	0	N
TMEM132D	0.825030126	N	0	N
PDIK1L	0.825066891	N	0	N
FOXA1	0.82514139	N	52	N
ADCK5	0.825148039	N	0	N
AKR7A2	0.825148039	N	0	N
C7orf26	0.825148039	N	0	N
CHRNA1	0.825148039	N	0	N
HDAC2-AS2	0.825211624	N	0	N
BRX1P1	0.825305577	N	0	N
LRP2BP	0.825305577	N	2	N
AC008736.1	0.825335583	N	0	N
GPR161	0.825335583	N	0	N
MRPS17	0.825335583	N	0	N
RPL13	0.825467045	N	0	N
RABAC1	0.825522874	N	0	N
AC138915.4	0.825623345	N	0	N
C4orf22	0.825623345	N	0	N
AC006518.1	0.825624821	N	0	N
PKN1	0.825624821	N	0	N
CCDC28B	0.825625819	N	0	N
FBXO31	0.825625819	N	1	N
SNRNP200	0.825625819	N	0	N
STXBP6	0.825625819	N	1	N
HMGXB3	0.825693369	N	0	N
AC100757.1	0.82573236	N	0	N
AL136379.1	0.82573236	N	0	N
CCDC65	0.825929374	N	0	N
ESYT3	0.825929374	N	0	N
METTL5	0.825929374	N	0	N
PFN1	0.825929374	N	1	N
RPSAP16	0.825929374	N	0	N
AC005696.1	0.825960384	N	0	N
AC111170.3	0.826042342	N	0	N
SOCS7	0.826106187	N	13	N
AC073343.2	0.826149119	N	0	N
COMT	0.826149119	N	37	N
LUC7L	0.826149119	N	0	N
OXLD1	0.826149119	N	0	N
SUZ12P1	0.826149119	N	0	N
CFL1P5	0.826228329	N	0	N
IMP4	0.826228329	N	0	N
AC005670.2	0.826618734	N	0	N
AC007342.3	0.826618734	N	0	N
AC020904.2	0.826618734	N	0	N
AC124303.2	0.826618734	N	0	N
C7orf43	0.826618734	N	0	N
CATSPERG	0.826618734	N	0	N
ERGIC2	0.826618734	N	0	N
FHL3	0.826618734	N	1	N
FLG2	0.826618734	N	0	N
FOXA2	0.826618734	N	199	Y
HECTD4	0.826618734	N	1	N
REEP6	0.826618734	N	0	N
TBC1D9	0.826618734	N	1	N
ZMIZ1-AS1	0.826618734	N	0	N
TPTE2P1	0.826658246	N	0	N
AC034102.1	0.826709724	N	0	N
AC106782.2	0.826709724	N	0	N
AC110615.1	0.826709724	N	0	N
COX6B2	0.826709724	N	0	N
CXorf38	0.826709724	N	0	N
EPB41L5	0.826709724	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
GLTP	0.826709724	N	0	N
INHBA	0.826709724	N	12	N
LINC02344	0.826709724	N	0	N
TM4SF19-AS1	0.826709724	N	0	N
TMEM141	0.826709724	N	0	N
AC090527.2	0.826751253	N	0	N
BMI1	0.826891237	N	11	N
FLJ22447	0.826931034	N	0	N
MS4A7	0.826931034	N	0	N
PSG4	0.826931034	N	0	N
SLC4A4	0.826931034	N	11	N
AC026355.2	0.827277507	N	0	N
AC105020.1	0.827277507	N	0	N
LINC00506	0.827277507	N	0	N
SEPT7	0.827316615	N	3	N
AC007744.1	0.827316615	N	0	N
AC080078.2	0.827316615	N	0	N
AL391001.1	0.827316615	N	0	N
FOXP2	0.827316615	N	0	N
LCA5	0.827316615	N	1	N
PAFAH1B2	0.827316615	N	0	N
RMST	0.827316615	N	1	N
SZT2-AS1	0.827316615	N	0	N
TEX41	0.827316615	N	0	N
CDK5RAP3	0.827324803	N	1	N
NUTF2	0.827504797	N	0	N
TUFM	0.827710422	N	0	N
IVD	0.827724077	N	42	N
PDCD2	0.827724077	N	0	N
SNORA13	0.827724077	N	0	N
SNX6	0.827724077	N	2	N
PRPF4B	0.827741361	N	0	N
ANKRD20A8P	0.828012562	N	0	N
LRRC46	0.828508355	N	0	N
OR2C3	0.828508355	N	0	N
AC005730.3	0.828602648	N	0	N
GPS1	0.828602648	N	2	N
VWA7	0.828602648	N	0	N
AC022968.1	0.828765592	N	0	N
ATP5F1	0.828765592	N	2	N
COL18A1-AS1	0.828765592	N	0	N
PRR18	0.828765592	N	0	N
S1PR2	0.828765592	N	7	N
SFRP2	0.828765592	N	13	N
AF131216.1	0.828784152	N	0	N
AC016027.2	0.828813038	N	0	N
C20orf27	0.828813038	N	0	N
DYNLRB1	0.828813038	N	0	N
TAF11	0.828813038	N	0	N
MARK2	0.828867464	N	16	N
AC005332.10	0.828913333	N	0	N
AC008443.1	0.828913333	N	0	N
AC008567.2	0.828913333	N	0	N
AC010735.1	0.828913333	N	0	N
AC022400.7	0.828913333	N	0	N
AC027290.2	0.828913333	N	0	N
AC044810.2	0.828913333	N	0	N
AC069218.1	0.828913333	N	0	N
AC104164.1	0.828913333	N	0	N
AC109466.1	0.828913333	N	0	N
AC117395.2	0.828913333	N	0	N
AC139792.2	0.828913333	N	0	N
ACAA1	0.828913333	N	5	N
AFF2	0.828913333	N	0	N
AL035071.1	0.828913333	N	0	N
AL133243.1	0.828913333	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AL138767.1	0.828913333	N	0	N
AL391095.3	0.828913333	N	0	N
ANK1	0.828913333	N	4	N
AP001033.2	0.828913333	N	0	N
AVPR1A	0.828913333	N	4	N
CCDC57	0.828913333	N	0	N
CCDC85B	0.828913333	N	0	N
CHMP1B	0.828913333	N	0	N
DDX18P4	0.828913333	N	0	N
DKFZP434A062	0.828913333	N	0	N
DNER	0.828913333	N	1	N
EXTL3-AS1	0.828913333	N	0	N
FAM86B3P	0.828913333	N	0	N
GALNT18	0.828913333	N	1	N
LCP1	0.828913333	N	1	N
LINC00933	0.828913333	N	0	N
LINC00971	0.828913333	N	0	N
LINC01468	0.828913333	N	0	N
MFS5D8	0.828913333	N	0	N
OPA1	0.828913333	N	33	N
PCBP2	0.828913333	N	4	N
PPAN-P2RY11	0.828913333	N	0	N
PPIAP11	0.828913333	N	0	N
PPP1R7	0.828913333	N	0	N
SLC25A3P1	0.828913333	N	0	N
TGIF2-C20orf24	0.828913333	N	0	N
THOC7	0.828913333	N	0	N
U2AF1L4	0.828913333	N	0	N
UBE2O	0.828913333	N	1	N
ULK4	0.828913333	N	0	N
UNC13D	0.828913333	N	0	N
WFDC1	0.828913333	N	0	N
ZBTB8B	0.828913333	N	0	N
CAND2	0.828927369	N	0	N
ITPK1	0.829060407	N	2	N
MSMP	0.829060407	N	0	N
NSRP1	0.829074628	N	0	N
AC019131.2	0.829240469	N	0	N
TERC	0.829413153	N	10	N
CDK5R1	0.829505184	N	6	N
TIMM23B	0.829505184	N	0	N
TOX4P1	0.829599511	N	0	N
ZBED4	0.829599511	N	0	N
LINC00311	0.829606707	N	0	N
ZNF259P1	0.829606707	N	0	N
ZSWIM1	0.829621418	N	0	N
HIF1A-AS2	0.829644946	N	0	N
GAPDHP61	0.82977718	N	0	N
BCL7A	0.82982561	N	0	N
TFB2M	0.829828715	N	4	N
DNAH10	0.829991342	N	1	N
ZNF205	0.829991342	N	0	N
CCDC106	0.830120602	N	0	N
AC019226.2	0.83017877	N	0	N
COX15	0.83017877	N	0	N
IFI27L2	0.83017877	N	0	N
MATR3	0.83017877	N	0	N
ABTB2	0.830201795	N	0	N
ANKRD34A	0.830201795	N	0	N
PGAP3	0.830201795	N	1	N
RGL2	0.830201795	N	4	N
SLC6A4	0.830201795	N	23	N
UPP1	0.830204521	N	0	N
UBA5	0.830666639	N	0	N
MSN	0.830711474	N	94	N
CCIN	0.830794422	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
DDA1	0.830794422	N	0	N
IGBP1P3	0.830794422	N	0	N
MTIF3	0.830794422	N	3	N
C8orf82	0.830926697	N	0	N
SCOC	0.830926697	N	0	N
DHX33	0.830959423	N	0	N
PURB	0.830959423	N	0	N
RP1	0.830959423	N	77	N
SF3A1	0.830959423	N	0	N
AC104071.1	0.830976772	N	0	N
CD84	0.830976772	N	0	N
PPM1AP1	0.830976772	N	0	N
AC245140.2	0.830977052	N	0	N
AL354836.1	0.830977052	N	0	N
AP000866.1	0.830977052	N	0	N
EARS2	0.830977052	N	0	N
PRRC2B	0.830977052	N	0	N
STX18-IT1	0.830977052	N	0	N
TMEM55A	0.830977052	N	0	N
AC112496.1	0.831032483	N	0	N
FLNC	0.831032483	N	3	N
SIX3	0.831032483	N	6	N
SLC17A9	0.831032483	N	4	N
RCHY1	0.831132386	N	1	N
EBPL	0.831316241	N	0	N
RAB40A	0.831343725	N	0	N
ALDH3A1	0.831356797	N	5	N
ARHGAP45	0.831356797	N	0	N
DHX38	0.831356797	N	0	N
FAM58A	0.831356797	N	0	N
FENDRR	0.831356797	N	0	N
GABRR2	0.831356797	N	0	N
GGA1	0.831356797	N	5	N
HELB	0.831356797	N	1	N
LINC01828	0.831356797	N	0	N
LSM3P5	0.831356797	N	0	N
MMGT1	0.831356797	N	0	N
MYH15	0.831356797	N	1	N
NF2	0.831356797	N	10	N
POLR2L	0.831356797	N	0	N
PTCD1	0.831356797	N	1	N
RGS14	0.831356797	N	0	N
SLC16A10	0.831356797	N	1	N
SMARCE1P3	0.831356797	N	0	N
SNORA65	0.831356797	N	0	N
TBX6	0.831356797	N	0	N
UTP14A	0.831356797	N	0	N
ZNF79	0.831356797	N	0	N
AC092894.1	0.831397511	N	0	N
AC010719.1	0.831402382	N	0	N
AC073389.1	0.831402382	N	0	N
ACAP3	0.831402382	N	0	N
AP000894.4	0.831402382	N	0	N
DNPH1	0.831402382	N	0	N
ENDOG	0.831402382	N	6	N
GAPDHP38	0.831402382	N	0	N
HUS1B	0.831402382	N	0	N
PRPF18	0.831402382	N	0	N
RPL12P4	0.831402382	N	0	N
C9orf84	0.831564177	N	0	N
ASAP1-IT2	0.831744786	N	0	N
RNF166	0.831744786	N	0	N
AC093297.2	0.831827339	N	0	N
KBTBD4	0.831867866	N	0	N
CENPV	0.831966463	N	0	N
RMDN1	0.831966463	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
DCAF7	0.831991506	N	0	N
NDUFS8	0.831991506	N	2	N
NQO2	0.831991506	N	1	N
TIFA	0.831991506	N	0	N
TOX2	0.831991506	N	0	N
CCDC173	0.832091146	N	0	N
AL359752.1	0.832211248	N	0	N
AL451042.2	0.832211248	N	0	N
CARD14	0.832211248	N	1	N
CTBP2P8	0.832211248	N	0	N
MTND6P5	0.832303251	N	0	N
PPP1R26	0.832370351	N	0	N
DDX3Y	0.832375025	N	3	N
PMPCA	0.832375025	N	0	N
LINC00882	0.832563344	N	0	N
CARD16	0.832616155	N	0	N
ETNK1	0.832616155	N	2	N
AL158835.1	0.832820174	N	0	N
AC068768.1	0.832899571	N	0	N
ALKBH2	0.832899571	N	0	N
AP000692.1	0.832899571	N	0	N
LINC00852	0.832899571	N	0	N
MCF2L2	0.832899571	N	0	N
SCN3B	0.832899571	N	1	N
AC006529.1	0.832904898	N	0	N
AC008147.4	0.832904898	N	0	N
AC012651.1	0.832904898	N	0	N
AC138951.2	0.832904898	N	0	N
AP001267.3	0.832904898	N	0	N
DGKB	0.832904898	N	17	N
LINC00513	0.832904898	N	0	N
PAN2	0.832904898	N	2	N
PLCL2	0.832904898	N	1	N
SH3BP4	0.832904898	N	2	N
SUDS3P1	0.832904898	N	0	N
TEX26-AS1	0.832904898	N	0	N
ZNF710	0.832904898	N	0	N
AC005229.1	0.832935371	N	0	N
AC012593.1	0.832935371	N	0	N
AC024293.1	0.832935371	N	0	N
AC133552.1	0.832935371	N	0	N
AL669831.5	0.832935371	N	0	N
ARHGEF11	0.832935371	N	10	N
CRELD1	0.832935371	N	0	N
DKK2	0.832935371	N	4	N
IFI44L	0.832935371	N	0	N
IGF2BP1	0.832935371	N	70	N
KIFC3	0.832935371	N	0	N
LINC01252	0.832935371	N	0	N
PDZD7	0.832935371	N	0	N
SLC30A2	0.832935371	N	4	N
SMPD3	0.832935371	N	4	N
SRGAP3	0.832935371	N	1	N
TAS2R6P	0.832935371	N	0	N
UQCRFS1	0.832935371	N	0	N
ZADH2	0.832935371	N	0	N
EED	0.832937895	N	14	N
NPDC1	0.833080321	N	0	N
AL603750.1	0.833176512	N	0	N
MTDH	0.833176512	N	5	N
AC135352.1	0.833481565	N	0	N
KDM4D	0.833481565	N	0	N
SLC25A40	0.833481565	N	0	N
AL121672.2	0.833486142	N	0	N
CNN2P6	0.833486142	N	0	N
PDCL	0.83349257	N	1	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC013731.1	0.833540211	N	0	N
DNM1P47	0.833540211	N	0	N
GCNT1P1	0.833540211	N	0	N
LTBP2	0.833540211	N	3	N
UQCRHL	0.833540211	N	0	N
AC017100.2	0.833727913	N	0	N
CARNMT1	0.833727913	N	0	N
PITPNA	0.833727913	N	0	N
GSTZ1	0.833806949	N	3	N
LINC02043	0.833806949	N	0	N
VGLL2	0.833944848	N	0	N
COX6A1	0.834087603	N	1	N
KATNBL1P6	0.834087603	N	0	N
MTO1	0.834109083	N	0	N
SIN3A	0.834109083	N	6	N
FAM204A	0.834127737	N	0	N
AC018630.2	0.834142679	N	0	N
AL590730.1	0.834142679	N	0	N
EDIL3	0.834142679	N	3	N
HSD17B14	0.834142679	N	1	N
LGALS8	0.834142679	N	2	N
AL133320.1	0.834280454	N	0	N
KIF17	0.834405523	N	1	N
7SK	0.834438196	N	1	N
AC061975.1	0.834438196	N	0	N
ARHGEF1	0.834438196	N	45	N
CBX8	0.834438196	N	1	N
CIAPIN1P	0.834438196	N	0	N
HECTD2	0.834438196	N	0	N
HRCT1	0.834438196	N	0	N
PLS3	0.834438196	N	0	N
SYT15	0.834438196	N	1	N
LAMC3	0.834462847	N	0	N
AL049758.1	0.834530319	N	0	N
PLCD3	0.834530319	N	0	N
UFM1	0.834541548	N	4	N
NDUFA2	0.834640344	N	1	N
CREB1	0.834653798	N	101	Y
GCLC	0.834653798	N	27	N
MON1B	0.834653798	N	0	N
AC074143.1	0.834906512	N	0	N
AC110048.1	0.834906512	N	0	N
AC026362.2	0.834915964	N	0	N
P3H4	0.834927844	N	0	N
TMEM143	0.834927844	N	0	N
AC090498.1	0.835031912	N	0	N
LPP-AS2	0.835031912	N	0	N
POLRMT	0.835031912	N	2	N
TMEM134	0.835031912	N	0	N
TAF6L	0.835141905	N	0	N
AC002454.1	0.835621797	N	0	N
WDR12	0.835920441	N	0	N
GID8	0.836078342	N	0	N
CA13	0.836194789	N	2	N
YTHDF2P1	0.836194789	N	0	N
LMNTD1	0.83619916	N	0	N
RNASEK-C17orf49	0.83619916	N	0	N
EIF5P1	0.836375748	N	0	N
ACTG1P20	0.836428924	N	0	N
AL008721.2	0.836428924	N	0	N
INHBA-AS1	0.836428924	N	0	N
TMTC1	0.836428924	N	0	N
USF2	0.836428924	N	25	N
AL450313.1	0.836615914	N	0	N
RASA4	0.836615914	N	0	N
SLC43A1	0.836615914	N	3	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC089987.1	0.83668072	N	0	N
CEP68	0.83668072	N	0	N
ITPR3	0.83668072	N	2	N
PLCB2	0.83668072	N	3	N
AC004893.2	0.836707256	N	0	N
ATPAF1	0.836722076	N	0	N
LINC00970	0.836722076	N	0	N
NSMAF	0.836722076	N	1	N
AC020688.1	0.836857752	N	0	N
AC132872.1	0.836857752	N	0	N
ALG12	0.83686662	N	0	N
TNFRSF10D	0.83686662	N	0	N
NAB1	0.836881476	N	1	N
AC034231.1	0.836894101	N	0	N
AC046158.2	0.837240573	N	0	N
AC084824.1	0.837240573	N	0	N
AC105036.3	0.837240573	N	0	N
ACAP2-IT1	0.837240573	N	0	N
AL162431.2	0.837240573	N	0	N
EIF4A1	0.837240573	N	1	N
LINC00624	0.837240573	N	0	N
MFSD3	0.837240573	N	0	N
NIPBL	0.837240573	N	1	N
NTN4	0.837240573	N	2	N
POU5F2	0.837240573	N	0	N
AL049737.1	0.837259579	N	0	N
ARHGAP8	0.837259579	N	0	N
CLCF1	0.837259579	N	0	N
ESYT1	0.837259579	N	0	N
GTF2H2C	0.837259579	N	0	N
IRF7	0.837259579	N	6	N
RPS12	0.837259579	N	0	N
SMIM26	0.837259579	N	0	N
ATP6V0A4	0.837412391	N	1	N
COPSSP1	0.837412391	N	0	N
DGCR2	0.837412391	N	2	N
DISP2	0.837412391	N	0	N
DNPEP	0.837412391	N	0	N
PRKCD	0.837412391	N	59	N
NPY1R	0.837446376	N	6	N
CEP85L	0.837481169	N	0	N
NUP214	0.837481169	N	0	N
FAM208B	0.837613324	N	0	N
FRRS1	0.837613324	N	0	N
GPM6A	0.837613324	N	3	N
AP003097.1	0.837699758	N	0	N
BACE1-AS	0.837699758	N	1	N
AC099850.2	0.837781041	N	0	N
RASA1	0.83812439	N	6	N
TNFRSF25	0.83812439	N	1	N
ASH1L-AS1	0.838150579	N	0	N
DGKG	0.838150579	N	1	N
SLC25A43	0.838150579	N	0	N
UBE2D2	0.838150579	N	1	N
ZFAT	0.838150579	N	0	N
SEPT5	0.838151374	N	1	N
AC027020.2	0.838151374	N	0	N
ADAMTSL1	0.838151773	N	0	N
AL441992.1	0.838151773	N	0	N
AL807757.1	0.838151773	N	0	N
AP001462.1	0.838151773	N	0	N
AP003733.4	0.838151773	N	0	N
RSL1D1	0.838151773	N	0	N
SP100	0.838151773	N	0	N
BATF2	0.838174109	N	0	N
LACTB2	0.838174109	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
MYPN	0.838174109	N	0	N
RAB6C-AS1	0.838174109	N	0	N
AC079248.1	0.838206565	N	0	N
AC131212.4	0.838206565	N	0	N
CHST11	0.838206565	N	1	N
COL20A1	0.838206565	N	0	N
SERPINF1	0.838206565	N	6	N
Z82243.1	0.838206565	N	0	N
AC093274.1	0.838351968	N	0	N
BCL2L15	0.838351968	N	0	N
MSS51	0.838351968	N	2	N
AC027228.3	0.838385487	N	0	N
AC069360.1	0.838385487	N	0	N
AC107976.1	0.838385487	N	0	N
AL138962.1	0.838385487	N	0	N
AL355312.2	0.838385487	N	0	N
AP002967.1	0.838385487	N	0	N
C10orf35	0.838385487	N	0	N
C19orf53	0.838385487	N	0	N
CCDC86	0.838385487	N	0	N
CDK8P2	0.838385487	N	0	N
HAUS6P3	0.838385487	N	0	N
IRX3	0.838385487	N	5	N
KCTD1	0.838385487	N	1	N
LINC01695	0.838385487	N	0	N
MIR600HG	0.838385487	N	0	N
NAA25	0.838385487	N	2	N
PUDP	0.838385487	N	0	N
RASGRP2	0.838385487	N	1	N
SKIV2L	0.838385487	N	1	N
SNORA50A	0.838385487	N	0	N
SULF2	0.838385487	N	4	N
VPS25	0.838385487	N	0	N
CCNB3	0.838508354	N	0	N
GBP4	0.838508354	N	0	N
MAGOH2P	0.838508354	N	0	N
RPL3P2	0.838508354	N	0	N
AC008079.2	0.838551622	N	0	N
AC024361.1	0.838766871	N	0	N
AC012065.5	0.838869867	N	0	N
BAIAP2	0.838869867	N	38	N
HCFC2	0.838869867	N	0	N
PHF20	0.838869867	N	1	N
SIAH1	0.838869867	N	1	N
TGDS	0.838869867	N	1	N
TLL10	0.838869867	N	0	N
U73169.1	0.838869867	N	0	N
EFEMP2	0.838932143	N	1	N
KPNA3	0.838932143	N	0	N
RPL23	0.838932143	N	2	N
AK7	0.838974871	N	0	N
C19orf25	0.838974871	N	0	N
MTX1	0.838974871	N	0	N
RPL5	0.838974871	N	1	N
POU4F2	0.839060893	N	7	N
RP11-46E17.8	0.839060893	N	0	N
TMEM129	0.839060893	N	0	N
GATA2	0.8391138	N	16	N
NR2C2	0.839133089	N	7	N
CCDC81	0.839138186	N	0	N
OXCT1-AS1	0.839138186	N	0	N
LINC00964	0.83920146	N	0	N
PTPRB	0.83920535	N	1	N
AL359885.1	0.839265094	N	0	N
SEMA6A	0.839265094	N	1	N
SNORA12	0.839265094	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
RPL24P4	0.83931979	N	0	N
AL359636.1	0.839503906	N	0	N
PPIL4	0.839530247	N	0	N
AL353608.3	0.839566266	N	0	N
BTN2A3P	0.839566266	N	0	N
AL118511.1	0.839574061	N	0	N
TAS2R46	0.839574061	N	0	N
OCEL1	0.8395933	N	0	N
AC016168.3	0.839700861	N	0	N
AC133552.2	0.839700861	N	0	N
AKR7A3	0.839700861	N	0	N
AL354920.1	0.839700861	N	0	N
ANKRD44-IT1	0.839700861	N	0	N
ARHGAP28	0.839700861	N	0	N
HERC2P2	0.839700861	N	0	N
LOXL4	0.839700861	N	0	N
POLB	0.839700861	N	1	N
RPS4XP17	0.839700861	N	0	N
ZSWIM3	0.839700861	N	0	N
PTOV1-AS1	0.839842639	N	0	N
AC005921.3	0.839846154	N	0	N
AC011453.1	0.839846154	N	0	N
AC126389.1	0.839846154	N	0	N
ADD3	0.839846154	N	0	N
CYB5R4	0.839846154	N	1	N
FAM129A	0.839846154	N	2	N
HOXA10	0.839846154	N	35	N
MRFAP1	0.839846154	N	0	N
NDUFB4P12	0.839846154	N	0	N
PAPOLA	0.839846154	N	2	N
PI4KAP2	0.839846154	N	0	N
SHC3	0.839846154	N	0	N
SLC25A30	0.839846154	N	0	N
SMC1B	0.839846154	N	0	N
TIMM10B	0.839846154	N	0	N
TMED8	0.839846154	N	0	N
ZNF143	0.839846154	N	3	N
AC021054.1	0.839884902	N	0	N
AC022211.1	0.839884902	N	0	N
AC104027.1	0.839940919	N	0	N
SSPO	0.839940919	N	0	N
AC060234.2	0.839947631	N	0	N
AC097523.2	0.839947631	N	0	N
AP000944.1	0.839947631	N	0	N
HNRNPA3	0.839947631	N	0	N
ANKS6	0.84005239	N	0	N
ATRAID	0.84005239	N	0	N
FBXO44	0.84005239	N	0	N
AC012254.2	0.840443048	N	0	N
AC022079.1	0.840443048	N	0	N
AF131216.4	0.840443048	N	0	N
APOL3	0.840443048	N	1	N
CREB3L1	0.840443048	N	3	N
EDNRB	0.840443048	N	44	N
LEAP2	0.840443048	N	2	N
MATN1	0.840443048	N	5	N
NFYC-AS1	0.840443048	N	0	N
PLD1	0.840443048	N	37	N
RPL18	0.840443048	N	0	N
SLC25A25-AS1	0.840443048	N	0	N
AC073055.1	0.84047394	N	0	N
AL117378.1	0.84047394	N	0	N
PCSK5	0.84047394	N	2	N
RPS3A	0.84047394	N	0	N
TSPEAR-AS2	0.84047394	N	0	N
WNT4	0.84047394	N	28	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC005072.1	0.84047681	N	0	N
AC009948.3	0.84047681	N	0	N
AC068620.2	0.84047681	N	0	N
AC087386.1	0.84047681	N	0	N
AC108114.1	0.84047681	N	0	N
AC114876.1	0.84047681	N	0	N
AC243967.3	0.84047681	N	0	N
AL359273.1	0.84047681	N	0	N
ASB6	0.84047681	N	2	N
CCDC121	0.84047681	N	0	N
CCNO	0.84047681	N	0	N
CHM	0.84047681	N	27	N
DOCK3	0.84047681	N	1	N
EXOC8	0.84047681	N	1	N
FRMD4B	0.84047681	N	2	N
NACC2	0.84047681	N	0	N
PSMD11	0.84047681	N	1	N
RPL21P99	0.84047681	N	0	N
RUNDC1	0.84047681	N	0	N
TEX15	0.84047681	N	0	N
AC008764.8	0.840517262	N	0	N
AL157823.1	0.840517262	N	0	N
DNAH5	0.840517262	N	1	N
FAM212B-AS1	0.840517262	N	0	N
FP565260.7	0.840517262	N	0	N
LINC01254	0.840517262	N	0	N
LZTS2	0.840517262	N	0	N
MPRIP	0.840517262	N	0	N
SDAD1P1	0.840517262	N	0	N
TFCP2	0.840517262	N	0	N
VSTM5	0.840517262	N	0	N
ZNF738	0.840517262	N	0	N
EMILIN3	0.840764908	N	0	N
UBE2B	0.840764908	N	0	N
ABHD17A	0.840785709	N	0	N
CDR2	0.840785709	N	1	N
DLK2	0.840785709	N	2	N
EMX2	0.840785709	N	3	N
HSPA8P15	0.840785709	N	0	N
MIF-AS1	0.840785709	N	0	N
NAALADL1	0.840785709	N	0	N
C11orf63	0.840835941	N	0	N
RAG1	0.840849324	N	34	N
FRMD8	0.841594246	N	0	N
PAK6	0.841594246	N	1	N
PPFIA3	0.841594246	N	0	N
ZBTB11-AS1	0.841594246	N	0	N
AC010395.2	0.841602432	N	0	N
PEX11B	0.841602432	N	0	N
ABHD17C	0.841668459	N	0	N
AC005972.1	0.841668459	N	0	N
AC027279.1	0.841668459	N	0	N
AC040162.3	0.841668459	N	0	N
AC087241.4	0.841668459	N	0	N
AL078644.1	0.841668459	N	0	N
AL138899.1	0.841668459	N	0	N
ANKRD26	0.841668459	N	5	N
CCDC66	0.841668459	N	0	N
CDKN1A	0.841668459	N	161	Y
DCAF11	0.841668459	N	0	N
ETFB	0.841668459	N	2	N
FAM171A2	0.841668459	N	0	N
GFAP	0.841668459	N	217	Y
KCNH1	0.841668459	N	2	N
KIAA0753	0.841668459	N	0	N
LILRB3	0.841668459	N	1	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
PACRGL	0.841668459	N	0	N
PPATP1	0.841668459	N	0	N
RN7SL744P	0.841668459	N	0	N
RP11-392E22.9	0.841668459	N	0	N
RPL3	0.841668459	N	1	N
TASP1	0.841668459	N	0	N
TBC1D10A	0.841668459	N	2	N
TCTE3	0.841668459	N	0	N
TMEM132E	0.841668459	N	0	N
TMEM94	0.841668459	N	0	N
TSGA10	0.841668459	N	0	N
NECAB1	0.841714487	N	0	N
NNT	0.841714487	N	43	N
RCOR1	0.841714487	N	1	N
AL392023.2	0.841917559	N	0	N
RPL10A	0.84212214	N	2	N
PTK6	0.842208101	N	6	N
PLBD1	0.842231959	N	0	N
AC091982.4	0.842574839	N	0	N
AFAP1L1	0.842675377	N	0	N
ARL17B	0.842694266	N	0	N
MEIG1	0.842694266	N	0	N
SPCS3	0.842752224	N	0	N
AL049844.1	0.842765084	N	0	N
AC078795.1	0.842783024	N	0	N
AC092384.2	0.842783024	N	0	N
AC130324.3	0.842783024	N	0	N
CARD9	0.842783024	N	3	N
EML1	0.842783024	N	0	N
FAM201A	0.842783024	N	0	N
LINC02391	0.842783024	N	0	N
LOXL3	0.842783024	N	0	N
NALCN	0.842783024	N	4	N
SHCBP1L	0.842783024	N	0	N
SLC44A5	0.842783024	N	0	N
SSFA2	0.842783024	N	0	N
TET1P1	0.842783024	N	0	N
TNNI1	0.842783024	N	3	N
VIL1	0.842783024	N	1	N
ZFPL1	0.842783024	N	0	N
UNG	0.842810328	N	7	N
AL355482.1	0.842888128	N	0	N
CALM1	0.842959872	N	5	N
AP001284.1	0.843071182	N	0	N
CLPP	0.843071182	N	8	N
CXCL12	0.843071182	N	150	Y
FAM53A	0.843071182	N	0	N
MAML1	0.843071182	N	4	N
FBXO6	0.843202002	N	0	N
SSR4	0.843202002	N	1	N
USP14	0.843333877	N	1	N
RASSF4	0.84333727	N	0	N
AC022306.2	0.843409402	N	0	N
EFHC1	0.843409402	N	2	N
LSM1	0.843409402	N	2	N
PHKG1	0.843409402	N	1	N
RN7SKP97	0.843409402	N	0	N
SMARCE1	0.843409402	N	0	N
TBX18	0.843409402	N	11	N
DCTD	0.843686118	N	0	N
TMEM173	0.843761561	N	4	N
LINC02245	0.843841686	N	0	N
GPR68	0.843926958	N	5	N
AC005632.2	0.843992479	N	0	N
AC079341.1	0.843992479	N	0	N
AC109361.1	0.843992479	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
CLEC4M	0.843992479	N	0	N
CNOT11	0.843992479	N	0	N
EOMES	0.843992479	N	7	N
FAM126A	0.843992479	N	0	N
ZC3H4	0.843992479	N	0	N
AC105285.1	0.844004394	N	0	N
ABCE1	0.844312896	N	1	N
AC104964.2	0.844312896	N	0	N
AL008729.1	0.844312896	N	0	N
AL357520.1	0.844312896	N	0	N
DNAJB7	0.844312896	N	0	N
DZIP1	0.844312896	N	0	N
P2RX4	0.844312896	N	2	N
SLC39A13	0.844312896	N	1	N
AC002366.1	0.844372303	N	0	N
COMMD3-BMI1	0.844372303	N	0	N
NARFL	0.844372303	N	0	N
SIRT3	0.844372303	N	104	Y
AC018647.2	0.844419917	N	0	N
AC019109.1	0.844419917	N	0	N
ANKLE2	0.844419917	N	0	N
MAP10	0.844419917	N	0	N
MZF1	0.844419917	N	2	N
OPRK1	0.844419917	N	0	N
ZAP70	0.844419917	N	11	N
AC009088.4	0.844446103	N	0	N
PHBP19	0.844446103	N	0	N
VPS37B	0.844446103	N	0	N
PCDH12	0.844620911	N	0	N
APEX2	0.844694263	N	0	N
APOBEC3F	0.844694263	N	0	N
EXOSC3P1	0.844694263	N	0	N
SLC24A3	0.844694263	N	0	N
PARVB	0.845010451	N	2	N
PLXDC1	0.845052303	N	0	N
TMEM156	0.845058844	N	0	N
PRKX	0.845126269	N	0	N
CD274	0.845143282	N	24	N
TTC27	0.845143282	N	0	N
WIZ	0.845143282	N	0	N
PTPMT1	0.845152252	N	5	N
C5orf17	0.845360595	N	0	N
PRMT3	0.845360595	N	1	N
SERGEF	0.845360595	N	0	N
MRPL3P1	0.845487735	N	0	N
RNF7P1	0.845487735	N	0	N
SFXN5	0.845487735	N	1	N
WDFY2	0.845521515	N	1	N
DDX42	0.845544982	N	1	N
LIFR-AS1	0.845544982	N	0	N
LTBP3	0.845544982	N	0	N
PITHD1	0.845544982	N	0	N
RP11-193H22.2	0.845544982	N	0	N
WWP2	0.845612264	N	1	N
SMAD5	0.84561288	N	9	N
AC022415.1	0.845634934	N	0	N
AC102945.2	0.845634934	N	0	N
ATP6V0C	0.845634934	N	0	N
CRX	0.845634934	N	3	N
CRY1	0.845634934	N	48	N
MEI1	0.845634934	N	0	N
NPHP4	0.845634934	N	0	N
PMEL	0.845634934	N	2	N
RAB24	0.845634934	N	0	N
SSB	0.845634934	N	57	N
TIGD7	0.845634934	N	1	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC004148.2	0.845647721	N	0	N
AC027097.1	0.845647721	N	0	N
AC121247.1	0.845647721	N	0	N
AC131212.2	0.845647721	N	0	N
AP000357.1	0.845647721	N	0	N
APEH	0.845647721	N	0	N
AZIN1	0.845647721	N	2	N
CPEB1	0.845647721	N	3	N
DHRS7B	0.845647721	N	0	N
DPP7	0.845647721	N	0	N
FGF22	0.845647721	N	4	N
HIGD2A	0.845647721	N	0	N
HSPE1-MOB4	0.845647721	N	0	N
LINC01119	0.845647721	N	0	N
NEUROD2	0.845647721	N	2	N
NSD1	0.845647721	N	8	N
PABPC1	0.845647721	N	1	N
PLD4	0.845647721	N	0	N
PLEKHG5	0.845647721	N	0	N
PRDX3	0.845647721	N	10	N
PWWP2B	0.845647721	N	0	N
RINL	0.845647721	N	0	N
SIGLEC8	0.845647721	N	0	N
SLAIN2	0.845647721	N	0	N
SLC44A1	0.845647721	N	0	N
SMG5	0.845647721	N	0	N
TAPT1	0.845647721	N	0	N
TPM3P8	0.845647721	N	0	N
ZFAND1	0.845647721	N	0	N
AL358472.3	0.845660118	N	0	N
AC007405.1	0.845812606	N	0	N
KIAA1522	0.845812606	N	0	N
PCSK6-AS1	0.845812606	N	0	N
RLIMP1	0.84588105	N	0	N
RPL37AP8	0.845923991	N	0	N
AC020661.5	0.84605356	N	0	N
AC092979.1	0.846127144	N	0	N
RIN1	0.846127144	N	3	N
SERHL2	0.846127144	N	0	N
THAP5	0.846127144	N	0	N
TMEM104	0.846127144	N	0	N
AP000253.1	0.84613763	N	0	N
ATP5I	0.84613763	N	1	N
SLC38A11	0.84613763	N	0	N
AC010132.2	0.846169183	N	0	N
ADGRL1	0.846169183	N	0	N
CARMN	0.846169183	N	0	N
LINC02154	0.846169183	N	0	N
MBNL2	0.846169183	N	3	N
RFXANK	0.846169183	N	0	N
TRIM23	0.846169183	N	0	N
COX7A2P2	0.846187949	N	0	N
AC005532.2	0.846219968	N	0	N
AC034154.1	0.846219968	N	0	N
AL359881.3	0.846219968	N	0	N
AL512310.12	0.846219968	N	0	N
C2CD6	0.846219968	N	0	N
CKLF-CMTM1	0.846219968	N	0	N
CNOT1	0.846219968	N	4	N
FECH	0.846219968	N	0	N
LEO1	0.846219968	N	0	N
MVK	0.846219968	N	3	N
ZNF439	0.846219968	N	0	N
PIAS4	0.846359699	N	2	N
BARX1-AS1	0.846438041	N	0	N
AC036214.2	0.846596849	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC093225.1	0.846596849	N	0	N
ACVR1C	0.846596849	N	12	N
AL138725.1	0.846596849	N	0	N
AL627223.1	0.846596849	N	0	N
DNMBP	0.846596849	N	0	N
ERGIC1	0.846596849	N	0	N
FAM111B	0.846596849	N	0	N
GPR55	0.846596849	N	24	N
NFIX	0.846596849	N	1	N
NSUN5	0.846596849	N	0	N
PPL	0.846596849	N	28	N
RN7SKP175	0.846596849	N	0	N
RPS19P1	0.846596849	N	0	N
SH3RF2	0.846596849	N	0	N
SLITRK2	0.846596849	N	0	N
TRAM2-AS1	0.846596849	N	0	N
TLL9	0.846596849	N	0	N
UBE3D	0.846596849	N	0	N
AC092117.2	0.84663189	N	0	N
MTCO1P25	0.84663189	N	0	N
ANKRD52	0.846701821	N	0	N
AP001330.5	0.846701821	N	0	N
CC2D1A	0.846701821	N	1	N
CDK20	0.846701821	N	0	N
FTCDNL1	0.846701821	N	0	N
GPALPP1	0.846701821	N	0	N
PRKAB1	0.846701821	N	13	N
SERPINB6	0.846701821	N	0	N
SLC15A2	0.846701821	N	2	N
TRIM65	0.846701821	N	0	N
TSSC4	0.846701821	N	0	N
ZNF428	0.846701821	N	0	N
AC015878.2	0.846808131	N	0	N
AC107980.1	0.846808131	N	0	N
LRRC39	0.846808131	N	0	N
Metazoa_SRP	0.846808131	N	0	N
SNORA79B	0.846808131	N	0	N
TRIM39	0.846808131	N	0	N
FOXC2	0.84681089	N	32	N
LINC01003	0.84681089	N	0	N
MYL6P1	0.84681089	N	0	N
TMC2	0.84681089	N	0	N
AC007620.3	0.84706025	N	0	N
AC067942.2	0.84707425	N	0	N
AC093802.1	0.84707425	N	0	N
ARL8A	0.847159208	N	0	N
BHLHE41	0.847290879	N	2	N
SLC26A4-AS1	0.847290879	N	0	N
AL360093.1	0.847351134	N	0	N
CRYAB	0.847351134	N	10	N
CTSL	0.847351134	N	30	N
FAM212A	0.847351134	N	0	N
HOMER2	0.847351134	N	0	N
NLGN4Y	0.847351134	N	1	N
POFUT1	0.847351134	N	0	N
POLR1C	0.847351134	N	0	N
RIBC1	0.847351134	N	0	N
TMEM108	0.847351134	N	0	N
XYLB	0.847351134	N	1	N
ZNF880	0.847351134	N	0	N
BEST3	0.847545844	N	0	N
HEXDC	0.847545844	N	0	N
ACTN4P1	0.847591033	N	0	N
CTNNBIP1	0.847591033	N	0	N
ETFBKMT	0.847591033	N	0	N
FRMPD3	0.847591033	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
GALK1	0.847591033	N	2	N
LSM12	0.847591033	N	0	N
SLC4A2	0.847591033	N	1	N
SPAG9	0.847591033	N	0	N
Z98048.1	0.847591033	N	0	N
GNPTG	0.847646585	N	1	N
THNSL2	0.847646585	N	2	N
AC138207.6	0.847764176	N	0	N
LITD1	0.847764176	N	0	N
LINC00950	0.847764176	N	0	N
NFATC1	0.847764176	N	32	N
AC007688.1	0.847780009	N	0	N
HGH1	0.847780009	N	3	N
POU3F1	0.847780009	N	2	N
AC011294.1	0.847794473	N	0	N
AC018797.1	0.847794473	N	0	N
AC106827.1	0.847794473	N	0	N
CPLX2	0.847794473	N	2	N
CRY2	0.847794473	N	38	N
DGCR9	0.847794473	N	0	N
KLF3P1	0.847794473	N	0	N
MCOLN3	0.847794473	N	1	N
OTOGL	0.847794473	N	0	N
PEX6	0.847794473	N	0	N
PIGW	0.847794473	N	0	N
ZNF624	0.847794473	N	0	N
AL157712.1	0.847826633	N	0	N
RAI1	0.847847912	N	2	N
AC008770.4	0.848039001	N	0	N
AL138756.1	0.848039001	N	0	N
DIAPH1	0.848039001	N	3	N
MYL5	0.848039001	N	1	N
AC006116.5	0.848042497	N	0	N
ZNF250	0.848063425	N	0	N
AC106806.1	0.848081773	N	0	N
HDGFL3	0.848083516	N	0	N
LRP4-AS1	0.848083516	N	0	N
ADGRG2	0.848393682	N	0	N
TTC13	0.848393682	N	0	N
CD2AP	0.84840947	N	10	N
APOBEC4	0.84853448	N	0	N
CSTF3-AS1	0.84869323	N	0	N
AC006116.6	0.848772978	N	0	N
AC090186.1	0.848772978	N	0	N
AL139147.1	0.848772978	N	0	N
AP001065.1	0.848772978	N	0	N
CYB5R2	0.848772978	N	2	N
MTSS1	0.848772978	N	5	N
OBSCN	0.848772978	N	0	N
RBM47	0.848772978	N	2	N
RPL38	0.848772978	N	1	N
VTI1BP2	0.848772978	N	0	N
FAM21EP	0.848775258	N	0	N
CCDC58	0.848841345	N	0	N
ZNF496	0.84884988	N	0	N
KANSL1L	0.8488605	N	0	N
PHLDB2	0.8488605	N	1	N
RN7SL118P	0.8488605	N	0	N
AC005736.2	0.848900491	N	0	N
NPC2	0.849148592	N	2	N
HBS1L	0.849165057	N	0	N
ZDHHC13	0.849165057	N	0	N
AC024592.3	0.849172997	N	0	N
TPRG1	0.849185479	N	0	N
KLHDC7B	0.849204429	N	0	N
H3F3A	0.849248272	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC099654.2	0.849320911	N	0	N
RPS15	0.849320911	N	3	N
AP000550.1	0.84933094	N	0	N
ZNF703	0.849404786	N	0	N
AC090377.1	0.84941849	N	0	N
AKAP11	0.84941849	N	1	N
AL050331.1	0.84941849	N	0	N
HNRNPUL2	0.84941849	N	0	N
MCM3AP-AS1	0.84941849	N	0	N
MRPL22P1	0.84941849	N	0	N
RB1CC1	0.84941849	N	5	N
CHCHD3P1	0.849622069	N	0	N
GOLGA8S	0.849622069	N	0	N
TBCCD1	0.849622069	N	0	N
TNFAIP2	0.849622069	N	2	N
WISP3	0.849622069	N	34	N
BTF3L4P2	0.849668899	N	0	N
RNF10	0.849724164	N	2	N
C22orf39	0.849859843	N	0	N
SUPV3L1	0.849859843	N	0	N
SLC6A12	0.84997066	N	2	N
AC006160.1	0.850016083	N	0	N
AC012435.1	0.850073382	N	0	N
AKIRIN2P1	0.850073382	N	0	N
SAR1B	0.850073382	N	3	N
TGFBR3L	0.850073382	N	0	N
ACY1	0.850092735	N	2	N
TAOK2	0.850092735	N	0	N
AC005086.3	0.850104277	N	0	N
AC012409.5	0.850104277	N	0	N
AKIRIN1	0.850104277	N	0	N
AL022068.1	0.850104277	N	0	N
AL110115.1	0.850104277	N	0	N
AL136964.1	0.850104277	N	0	N
CCT8	0.850104277	N	0	N
PLEKHA3P1	0.850104277	N	0	N
PTPN20	0.850104277	N	0	N
STARD6	0.850104277	N	0	N
LARP1B	0.850108115	N	0	N
KCNC4	0.850219486	N	0	N
FOXP3-AS1	0.850276504	N	0	N
RBM14	0.850454468	N	0	N
SLC5A9	0.850454468	N	0	N
ZNF500	0.850454468	N	0	N
HDAC1P1	0.850454659	N	0	N
AC093817.1	0.850510375	N	0	N
AL590787.1	0.850510375	N	0	N
ARPC3P1	0.850510375	N	0	N
DFNA5	0.850510375	N	0	N
FASN	0.850510375	N	235	Y
HIP1R	0.850510375	N	1	N
KCNG4	0.850510375	N	0	N
MUL1	0.850510375	N	4	N
NACA	0.850510375	N	2	N
PA2G4P2	0.850510375	N	0	N
SH2B3	0.850510375	N	14	N
TUBB4BP2	0.850510375	N	0	N
LIFR	0.850527458	N	19	N
AC020571.1	0.850620798	N	0	N
ZNF599	0.850620798	N	0	N
AL512288.2	0.850650326	N	0	N
Z97634.1	0.850650326	N	0	N
NAIP	0.850654265	N	1	N
AC009407.1	0.850909298	N	0	N
AC025165.1	0.850909298	N	0	N
AL109811.1	0.850909298	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AL157935.1	0.850909298	N	0	N
ANKRD61	0.850909298	N	0	N
C22orf34	0.850909298	N	0	N
EID1	0.850909298	N	2	N
AC092646.1	0.851090715	N	0	N
GMPPA	0.851090715	N	0	N
NAPA	0.851090715	N	18	N
PTBP1P	0.851090715	N	0	N
RNF2P1	0.851090715	N	0	N
UFL1	0.851090715	N	1	N
PTP4A1P3	0.851117506	N	0	N
AC011611.4	0.851147373	N	0	N
LINC01391	0.851147373	N	0	N
METTL7A	0.851147373	N	0	N
NAP1L1	0.851147373	N	3	N
NMD3	0.851147373	N	1	N
PRPF40B	0.851147373	N	0	N
TEN1-CDK3	0.851147373	N	0	N
ZNF625	0.851147373	N	0	N
AC106707.2	0.851254912	N	0	N
SNRK-AS1	0.85130654	N	0	N
VWC2L	0.85130654	N	0	N
TCF25	0.851386261	N	0	N
ABHD16A	0.85141298	N	0	N
BMP3	0.851551958	N	10	N
SLC5A6	0.851608045	N	0	N
TECRP1	0.851685682	N	0	N
BCR	0.851916937	N	215	Y
AC092535.1	0.851954531	N	0	N
AP000695.3	0.851954531	N	0	N
ARPC5	0.851954531	N	0	N
BICD2	0.851954531	N	1	N
GRB10	0.851954531	N	143	Y
PPIAP16	0.851954531	N	0	N
TCERG1	0.851954531	N	2	N
AC005480.1	0.851956038	N	0	N
AMN1	0.851968533	N	0	N
PRKCQ-AS1	0.852101893	N	0	N
AC016582.2	0.85215545	N	0	N
AL365184.2	0.85215545	N	0	N
ARHGEF3	0.85215545	N	0	N
CISD1	0.85215545	N	8	N
DNAAF1	0.85215545	N	0	N
DND1	0.85215545	N	0	N
GAMT	0.85215545	N	5	N
MADCAM1	0.85215545	N	6	N
MTCO2P19	0.85215545	N	0	N
NCAM1	0.85215545	N	10	N
NPM1P24	0.85215545	N	0	N
PIP4K2A	0.85215545	N	1	N
PPP1R11P1	0.85215545	N	0	N
PTP4A1P1	0.85215545	N	0	N
RAD21-AS1	0.85215545	N	0	N
STK40	0.85215545	N	0	N
VSIR	0.85215545	N	0	N
TRAPPC9	0.852210949	N	0	N
NPM1P27	0.852277742	N	0	N
LLGL1	0.85228743	N	0	N
PSMB2	0.852474249	N	1	N
ST13	0.852474249	N	0	N
TOM1L2	0.852520791	N	0	N
AL356966.1	0.852546814	N	0	N
ARFGAP3	0.852546814	N	0	N
EBAG9	0.852546814	N	0	N
NR1I2	0.852546814	N	51	N
SULT2B1	0.852546814	N	2	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC008676.1	0.852601305	N	0	N
AL139287.1	0.852601305	N	0	N
AC135983.3	0.852721145	N	0	N
AGER	0.852721145	N	58	N
AL049776.1	0.852721145	N	0	N
AC078850.2	0.852849334	N	0	N
BEX2	0.852887499	N	0	N
FIBCD1	0.852887499	N	0	N
AC026310.3	0.853082075	N	0	N
AC060780.1	0.853082075	N	0	N
CITED1	0.853082075	N	5	N
CPS1-IT1	0.853082075	N	0	N
MRS2	0.853082075	N	0	N
NANOS3	0.853082075	N	0	N
RAD18	0.853082075	N	1	N
S100A1	0.853082075	N	5	N
SLC4A11	0.853082075	N	0	N
SRRM2	0.853082075	N	0	N
MRPL2	0.853084405	N	0	N
AL445523.1	0.853085679	N	0	N
AUTS2	0.853085679	N	0	N
B9D1	0.853085679	N	0	N
CCDC112	0.853085679	N	0	N
EIF3E	0.853085679	N	19	N
SNHG26	0.853085679	N	0	N
SSUH2	0.853085679	N	0	N
TRRAP	0.853085679	N	0	N
ORAI1	0.853124511	N	20	N
LPAR2	0.853155983	N	1	N
MCCC1	0.853155983	N	3	N
AC114781.4	0.853165009	N	0	N
CDH2	0.853165009	N	10	N
SNX25	0.853165009	N	0	N
AP001011.1	0.853245688	N	0	N
AC091185.1	0.853303351	N	0	N
LINC00664	0.853303351	N	0	N
PRRT4	0.853344151	N	0	N
AC007906.2	0.853366886	N	0	N
AC115837.1	0.853366886	N	0	N
AL353898.3	0.853366886	N	0	N
BAG2	0.853366886	N	0	N
C17orf58	0.853366886	N	0	N
C2CD5	0.853366886	N	0	N
CCDC47	0.853366886	N	0	N
FBLN7	0.853366886	N	0	N
IQCJ	0.853366886	N	0	N
LINC01963	0.853366886	N	0	N
MIR222HG	0.853366886	N	0	N
MTATP6P19	0.853366886	N	0	N
MUC5AC	0.853366886	N	13	N
NR2F6	0.853366886	N	0	N
PAICSP4	0.853366886	N	0	N
PECAM1	0.853366886	N	9	N
PPP4R1L	0.853366886	N	0	N
PRDM11	0.853366886	N	0	N
RAB34	0.853366886	N	1	N
SHE	0.853366886	N	1000	Y
SLC35A3	0.853366886	N	0	N
GOLGA4	0.853374809	N	0	N
TFF3	0.853378402	N	23	N
ASB14	0.853433786	N	1	N
ZC2HC1C	0.853590289	N	0	N
AP1S2	0.853622627	N	0	N
BACH1-IT1	0.853622627	N	0	N
C1orf210	0.853622627	N	0	N
C3orf62	0.853622627	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
CTU2	0.853622627	N	0	N
KCNA3	0.853622627	N	11	N
LINC01970	0.853622627	N	0	N
MED4	0.853622627	N	2	N
MRPS23	0.853622627	N	0	N
PAICS	0.853622627	N	0	N
RN7SKP23	0.853622627	N	0	N
RRBP1	0.853622627	N	0	N
SBSPON	0.853622627	N	0	N
SCO1	0.853622627	N	3	N
YTHDC1	0.853622627	N	0	N
ZNF451	0.853622627	N	0	N
RAVER2	0.853730677	N	0	N
RARA	0.853828624	N	31	N
DPP6	0.853860901	N	3	N
RBFOX1	0.854130234	N	2	N
RPAP1	0.854130234	N	0	N
AL356488.3	0.854149879	N	0	N
ATP5J	0.854149879	N	2	N
EEF1DP2	0.854149879	N	0	N
FAM91A1	0.854149879	N	0	N
GOLGA8A	0.854149879	N	0	N
LINC00554	0.854149879	N	0	N
MDN1	0.854149879	N	0	N
OLA1	0.854149879	N	0	N
RALGAPA2	0.854149879	N	2	N
RBMS3-AS2	0.854149879	N	0	N
RTP4	0.854149879	N	0	N
TMEM206	0.854149879	N	0	N
RNF39	0.85419444	N	1	N
CACNG8	0.854215125	N	0	N
PSMA2	0.854215125	N	0	N
TATDN1	0.854248127	N	0	N
NFKBIZ	0.854368998	N	0	N
WNT8B	0.854572578	N	1	N
AC127537.3	0.854642341	N	0	N
C11orf95	0.854642341	N	0	N
ECHDC3	0.854648109	N	2	N
RFT1	0.854648109	N	0	N
ST8SIA5	0.854648109	N	0	N
WHAMM	0.854648109	N	0	N
NOX4	0.854706874	N	134	Y
LINC01694	0.85472485	N	0	N
AC138623.1	0.854827591	N	0	N
NAT6	0.854827591	N	0	N
TSKS	0.85483979	N	0	N
PPP1R2P1	0.854845994	N	0	N
AC138150.1	0.85484953	N	0	N
Metazoa_SRP	0.85484953	N	0	N
AL354919.1	0.854851379	N	0	N
AL583839.1	0.854851379	N	0	N
BCAP29	0.854851379	N	0	N
KMT2B	0.854851379	N	2	N
LENG8	0.854851379	N	0	N
SPG20-AS1	0.854851379	N	0	N
UBXN10	0.854851379	N	0	N
ZIC1	0.854851379	N	3	N
AC006011.2	0.854857028	N	0	N
AC007637.1	0.854857028	N	0	N
AC016738.1	0.854857028	N	0	N
AC119751.5	0.854857028	N	0	N
AC245389.2	0.854857028	N	0	N
AFDN-AS1	0.854857028	N	0	N
AL138781.1	0.854857028	N	0	N
AL445223.1	0.854857028	N	0	N
AL512633.1	0.854857028	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AP000873.2	0.854857028	N	0	N
AP005121.1	0.854857028	N	0	N
BNC1	0.854857028	N	0	N
BTBD10P1	0.854857028	N	0	N
FOX12	0.854857028	N	0	N
GGT7	0.854857028	N	0	N
HS3ST1	0.854857028	N	1	N
HYI	0.854857028	N	0	N
ISY1-RAB43	0.854857028	N	0	N
ITPKC	0.854857028	N	0	N
PIGF	0.854857028	N	43	N
PTDSS1	0.854857028	N	1	N
RAB6C	0.854857028	N	0	N
SURF6	0.854857028	N	0	N
TSEN15	0.854857028	N	0	N
MED18	0.854971321	N	0	N
PCMT1	0.854978208	N	4	N
AC092910.1	0.855040984	N	0	N
UBE2D1	0.855040984	N	0	N
ECSIT	0.855076505	N	0	N
PLEKHM2	0.855130646	N	0	N
RGL3	0.855208359	N	0	N
ZCCHC14	0.855208359	N	0	N
AC093162.2	0.855213964	N	0	N
ATP6V1B2	0.855213964	N	1	N
CASP3	0.855213964	N	1000	Y
DYNAP	0.855213964	N	0	N
FLJ27354	0.855213964	N	0	N
LAMTOR3P1	0.855213964	N	0	N
LGMNP1	0.855213964	N	0	N
MESTP1	0.855213964	N	0	N
RN7SL329P	0.855213964	N	0	N
STX1B	0.855213964	N	0	N
AP000593.2	0.855254753	N	0	N
PSTPIP1	0.855270984	N	0	N
AC008895.1	0.855437873	N	0	N
AC092135.1	0.855481475	N	0	N
DENND6B	0.855821509	N	0	N
KTN1-AS1	0.855821509	N	0	N
NAMA	0.855821509	N	3	N
ABI3	0.85583563	N	0	N
AC002519.2	0.85583563	N	0	N
ADNP-AS1	0.85583563	N	0	N
AL353583.1	0.85583563	N	0	N
AL451064.1	0.85583563	N	0	N
ARL6IP1P3	0.85583563	N	0	N
CELF4	0.85583563	N	1	N
NDUFA10	0.85583563	N	2	N
SAMD3	0.85583563	N	0	N
SDAD1	0.85583563	N	0	N
ST3GAL2	0.855860445	N	1	N
C13orf42	0.855868022	N	0	N
AC008969.1	0.855874534	N	0	N
DMWD	0.855874534	N	0	N
POMK	0.855874534	N	0	N
SNX12	0.855874534	N	0	N
ZNF335	0.855874534	N	0	N
NAT8L	0.855948598	N	1	N
PLSCR3	0.85597715	N	1	N
QSOX2	0.85597715	N	2	N
CPT1A	0.85600412	N	125	Y
NFS1	0.85600412	N	0	N
CASD1	0.856188181	N	0	N
DYNC2H1	0.856188181	N	0	N
ARF1	0.856272999	N	12	N
CHST7	0.856272999	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
LINC02324	0.856272999	N	0	N
LMBRD2	0.856272999	N	0	N
RAP2B	0.856272999	N	1	N
TRAF3IP1	0.856272999	N	0	N
EIF1AXP1	0.856332902	N	0	N
MYO15B	0.856427387	N	0	N
AC100800.1	0.856450168	N	0	N
AC121333.1	0.856450168	N	0	N
IPO9-AS1	0.856450168	N	0	N
RFESDP1	0.856450168	N	0	N
SOCS5	0.856450168	N	1	N
NDUFA7	0.856508708	N	0	N
NPLOC4	0.856606403	N	0	N
AL132655.1	0.856787984	N	0	N
AL022323.3	0.856831063	N	0	N
SMKR1	0.856845042	N	0	N
CDPF1	0.856901691	N	0	N
C1orf162	0.856985859	N	0	N
MIF4GD	0.856985859	N	0	N
MX1	0.856985859	N	8	N
MYPOP	0.85703947	N	0	N
PKNOX2	0.85703947	N	1	N
RDX	0.85703947	N	2	N
PEX12P1	0.857189881	N	0	N
TAF1L	0.857230387	N	0	N
AC016949.1	0.857245226	N	0	N
SF3B2	0.857292322	N	0	N
NT5C3A	0.857304977	N	1	N
FDX2	0.857323205	N	0	N
USP42	0.857356566	N	0	N
PTBP2	0.857377153	N	3	N
AC015802.3	0.857613915	N	0	N
AC106820.1	0.857613915	N	0	N
AL359740.1	0.857613915	N	0	N
ANXA9	0.857613915	N	0	N
KRT23	0.857613915	N	0	N
MAN2C1	0.857613915	N	0	N
PGGT1BP2	0.857613915	N	0	N
TCHH	0.857613915	N	1	N
TMEM140	0.857613915	N	0	N
ZSCAN29	0.857679241	N	0	N
SRPRA	0.85770472	N	0	N
AC083799.1	0.857781384	N	0	N
WDR7	0.857781384	N	1	N
CYP51A1-AS1	0.857788417	N	0	N
FAM212B	0.857795459	N	0	N
RAB1F	0.857795459	N	1	N
ADCY3	0.857818132	N	8	N
ANKEF1	0.857818132	N	0	N
KRT18P31	0.857818132	N	0	N
PPP1R15A	0.857818132	N	10	N
TGFBRAP1	0.857839925	N	1	N
AC011933.2	0.857949159	N	0	N
AC022819.1	0.857949159	N	0	N
AC253576.2	0.857949159	N	0	N
ALOX12P2	0.857949159	N	0	N
BX470102.1	0.857949159	N	0	N
GPBP1	0.857949159	N	1	N
LNX1	0.857949159	N	0	N
PSMB5	0.857949159	N	4	N
RHBDL2	0.857949159	N	0	N
S100A10	0.857949159	N	1	N
SRCIN1	0.857949159	N	0	N
STRAP	0.857949159	N	5	N
UBE2Q2P10	0.857949159	N	0	N
WDSUB1	0.857949159	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC139887.2	0.858028041	N	0	N
RPAIN	0.858028041	N	0	N
SCARA5	0.858028041	N	1	N
TAF13	0.858028041	N	1	N
TRIM66	0.858028041	N	0	N
ZNRF3-AS1	0.858028041	N	0	N
AC007996.1	0.85804833	N	0	N
AC009061.2	0.85804833	N	0	N
AC034238.2	0.85804833	N	0	N
AC104809.2	0.85804833	N	0	N
AC118758.3	0.85804833	N	0	N
AC244636.2	0.85804833	N	0	N
AL353150.1	0.85804833	N	0	N
CHD4	0.85804833	N	1	N
CYP2T1P	0.85804833	N	0	N
DDX60	0.85804833	N	0	N
ERF	0.85804833	N	5	N
GMEB1	0.85804833	N	0	N
MTMR8	0.85804833	N	0	N
PGAP1	0.85804833	N	0	N
RPL13AP7	0.85804833	N	0	N
TTC7A	0.85804833	N	1	N
UBXN6	0.85804833	N	0	N
ZDHHC3	0.85804833	N	1	N
ZNF169	0.85804833	N	0	N
ZNF395	0.85804833	N	0	N
ZNF579	0.85804833	N	0	N
GLRX	0.858062511	N	4	N
GPC1	0.858062511	N	2	N
TPRKBP2	0.858073637	N	0	N
NRIP2	0.858160271	N	0	N
AC093525.7	0.858365197	N	0	N
AL117350.1	0.858365197	N	0	N
C1orf226	0.858365197	N	0	N
CAMK2N2	0.858365197	N	0	N
CCDC169	0.858365197	N	0	N
AL590542.1	0.858410609	N	0	N
HYKK	0.858410609	N	0	N
PCNPP1	0.858410609	N	0	N
SNX5P1	0.858410609	N	0	N
AC004899.2	0.858423122	N	0	N
LRRN2	0.858423122	N	0	N
WNT3	0.858423122	N	18	N
NAT16	0.858463833	N	0	N
ACTR3BP2	0.858591513	N	0	N
AD000671.1	0.858591513	N	0	N
CEBPA-AS1	0.858591513	N	0	N
COX5A	0.858591513	N	6	N
OXSRI	0.858591513	N	0	N
PRRT2	0.858591513	N	0	N
SARIAP4	0.858591513	N	0	N
AC005230.1	0.858625456	N	0	N
AC008946.1	0.858625456	N	0	N
ANKRD11	0.858625456	N	0	N
AP000229.1	0.858625456	N	0	N
CRABP2	0.858625456	N	5	N
FUT8-AS1	0.858625456	N	0	N
RP4-714D9.5	0.858625456	N	0	N
SPTBN1	0.858625456	N	3	N
C16orf71	0.858701976	N	0	N
AQP6	0.858709915	N	0	N
SCNM1	0.858709915	N	0	N
ZNF746	0.858709915	N	2	N
RPL5P1	0.858868343	N	0	N
GPR89B	0.85899748	N	0	N
GRID1	0.859135471	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
LINC02246	0.859192631	N	0	N
NIFKP8	0.859214525	N	0	N
AC022239.4	0.859249016	N	0	N
ADIPOR1P2	0.859249016	N	0	N
AP000802.1	0.859249016	N	0	N
ARRB1	0.859249016	N	19	N
LINC01285	0.859249016	N	0	N
S100A6	0.859249016	N	4	N
TNRC6A	0.859249016	N	1	N
MEN1	0.859298219	N	192	Y
AC007656.2	0.859348953	N	0	N
AC009967.1	0.859348953	N	0	N
AC011978.2	0.859348953	N	0	N
AL136295.5	0.859348953	N	0	N
ELOVL4	0.859348953	N	1	N
LINC02298	0.859348953	N	0	N
MAN1B1-AS1	0.859348953	N	0	N
NPHP3	0.859348953	N	0	N
RPL5P29	0.859348953	N	0	N
TMED7-TICAM2	0.859348953	N	0	N
AC108676.1	0.859409378	N	0	N
AC020916.1	0.859492133	N	0	N
AC089983.1	0.859492133	N	0	N
AC239799.2	0.859492133	N	0	N
AL138785.1	0.859492133	N	0	N
GDF9	0.859492133	N	24	N
GTPBP10	0.859492133	N	0	N
HSPA8P7	0.859492133	N	0	N
WNT9A	0.859492133	N	4	N
ZNF575	0.859492133	N	0	N
LASP1	0.859506207	N	2	N
ZFAND2A	0.859506207	N	0	N
JUN	0.859534077	N	1000	Y
PNCK	0.859534077	N	2	N
TICAM1	0.859534077	N	3	N
AF121898.1	0.859631211	N	0	N
HEMK1	0.859631211	N	0	N
SURF1	0.859631211	N	5	N
ADH1C	0.859663154	N	1	N
ATP6V0A2	0.859880425	N	0	N
FRG1	0.859880425	N	0	N
NBPF10	0.859880425	N	0	N
POU4F1	0.859880425	N	4	N
AC007529.1	0.860020439	N	0	N
MYO1F	0.860020439	N	0	N
MPP4	0.860058322	N	0	N
AP000347.2	0.860236003	N	0	N
CDK12	0.860236003	N	1	N
VTA1	0.860286145	N	0	N
AL023803.3	0.860412019	N	0	N
NADSYN1	0.86045824	N	2	N
SLC35A5	0.860492552	N	0	N
WEE1	0.860492552	N	2	N
RHOT2	0.860517902	N	0	N
AC092435.4	0.860863458	N	0	N
AL161725.1	0.860863458	N	0	N
NLRP3P1	0.860863458	N	0	N
CDK2AP1	0.860994489	N	0	N
BRI3P1	0.861030867	N	0	N
AC135012.1	0.861034955	N	0	N
CNTN4	0.861034955	N	1	N
TMEM220	0.861034955	N	0	N
AC012313.4	0.861235095	N	0	N
AC084816.1	0.861235095	N	0	N
ANAPC1P1	0.861235095	N	0	N
ANKRD33B	0.861235095	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
DUSP19	0.861235095	N	0	N
MT1X	0.861235095	N	1	N
RN7SL605P	0.861235095	N	0	N
RTL3	0.861235095	N	0	N
SRR	0.861257301	N	23	N
MOCS2	0.861356274	N	0	N
SAA1	0.861356274	N	17	N
RP1-34H18.1	0.861368841	N	0	N
HUNK	0.862039902	N	1	N
HDAC1P2	0.862147597	N	0	N
RPS24P13	0.862147597	N	0	N
AC068389.1	0.862170591	N	0	N
AC124242.2	0.862170591	N	0	N
AC133065.4	0.862170591	N	0	N
AC144548.2	0.862170591	N	0	N
ACACB	0.862170591	N	40	N
AKR7A2P1	0.862170591	N	0	N
ANAPC5	0.862170591	N	0	N
AP000942.1	0.862170591	N	0	N
BMPR1APS1	0.862170591	N	0	N
CASC3	0.862170591	N	0	N
CBARP	0.862170591	N	0	N
HFM1	0.862170591	N	0	N
LINC01666	0.862170591	N	0	N
LPO	0.862170591	N	141	Y
MAEA	0.862170591	N	6	N
METAP2	0.862170591	N	2	N
MIER3	0.862170591	N	0	N
MIPEPP3	0.862170591	N	0	N
NID2	0.862170591	N	1	N
PEX7	0.862170591	N	1	N
PIGL	0.862170591	N	0	N
PLEKHO2	0.862170591	N	0	N
POMT1	0.862170591	N	0	N
PTHLH	0.862170591	N	25	N
RAVER1	0.862170591	N	0	N
SAMD12	0.862170591	N	1	N
SLCO2A1	0.862170591	N	1	N
SPIN2A	0.862170591	N	0	N
PPFIA4	0.862182197	N	0	N
TST	0.862249452	N	44	N
MIER2	0.862331688	N	0	N
GOLGA6L4	0.862335735	N	0	N
MARS2	0.862335735	N	0	N
OSBP2	0.862366089	N	1	N
AC027288.1	0.862463601	N	0	N
AWAT2	0.862593764	N	0	N
RN7SL455P	0.862593764	N	0	N
RAPSN	0.862650871	N	0	N
AP1B1	0.862659115	N	0	N
CRIPAK	0.862659115	N	0	N
LAD1	0.862659115	N	1	N
TNS1	0.862659115	N	3	N
AC023794.5	0.862787422	N	0	N
HEATR6	0.862799996	N	0	N
ANKRD7	0.862817044	N	0	N
AC018797.2	0.862883404	N	0	N
LINC00896	0.862883404	N	0	N
MCFD2	0.862883404	N	0	N
NPFFR1	0.862903884	N	0	N
ZFP64	0.862903884	N	0	N
AC006213.1	0.862908868	N	0	N
AC108463.3	0.862908868	N	0	N
SHISA6	0.862928048	N	0	N
ADAM19	0.863049971	N	2	N
ZSWIM2	0.863060946	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC104964.3	0.863149794	N	0	N
RNF141	0.863149794	N	0	N
AC092568.1	0.863153387	N	0	N
AC027682.4	0.863154291	N	0	N
RPL23AP42	0.863154291	N	0	N
CHCHD3P2	0.863181714	N	0	N
CHMP6	0.863181714	N	0	N
CNRIP1	0.863181714	N	0	N
LINC00501	0.863181714	N	0	N
LINC02547	0.863181714	N	0	N
MCRIP2P1	0.863181714	N	0	N
TXNDC17	0.863181714	N	4	N
AC092611.3	0.86321385	N	0	N
AC004832.5	0.863358164	N	0	N
AC006026.1	0.863358164	N	0	N
AC008758.1	0.863358164	N	0	N
AC013403.2	0.863358164	N	0	N
AC118282.4	0.863358164	N	0	N
CSNK1G2	0.863358164	N	0	N
DNAJC11	0.863358164	N	0	N
ZFP30	0.863358164	N	0	N
HABP4	0.86342665	N	0	N
LIMK2	0.86342665	N	2	N
MAK	0.86342665	N	141	Y
ZNF90P1	0.86342665	N	0	N
SH2D6	0.863493661	N	0	N
DGCR6	0.863502411	N	0	N
NGF	0.863502411	N	523	Y
XKR4	0.863502411	N	0	N
AC068790.4	0.863594491	N	0	N
TRAPPC5	0.863615887	N	0	N
FAM189B	0.863618458	N	0	N
IPO5	0.863618458	N	0	N
KLKB1	0.863618458	N	1	N
SMIM30	0.863618458	N	0	N
ULK1	0.863618458	N	57	N
PRDX3P2	0.863629518	N	0	N
PEX1	0.863629573	N	1	N
PROSER2	0.863719705	N	0	N
PSMA2P3	0.863780256	N	0	N
AL512631.1	0.863785899	N	0	N
STARD4	0.864114623	N	1	N
F12	0.864173443	N	273	Y
DLGAP4	0.864232391	N	0	N
PRPF19	0.864232391	N	1	N
AP003467.2	0.864271299	N	0	N
SNHG17	0.864271299	N	0	N
MYCBP2-AS2	0.864272238	N	0	N
AL008987.1	0.86428313	N	0	N
CASP8	0.86428313	N	64	N
GGT1	0.86428313	N	6	N
PPP1R9A	0.86428313	N	1	N
LDHAP7	0.864286349	N	0	N
AP004147.1	0.86439552	N	0	N
AL353662.1	0.86457169	N	0	N
AXDND1	0.86457169	N	0	N
LINC02084	0.86458835	N	0	N
AC015712.2	0.86460513	N	0	N
ZNF197-AS1	0.86460513	N	0	N
AC022167.2	0.864707669	N	0	N
ARL5A	0.864707669	N	0	N
IL10RA	0.864707669	N	1	N
LINC00467	0.864707669	N	1	N
RAB11FIP4	0.864707669	N	1	N
AC005224.1	0.864713779	N	0	N
AC112722.1	0.864844039	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
GJD3	0.864844039	N	0	N
RPS5	0.864844039	N	0	N
FITM1	0.864869832	N	1	N
CBX6	0.864933197	N	0	N
AL512594.1	0.864994577	N	0	N
NIM1K	0.865161165	N	0	N
TPD52	0.865161165	N	1	N
STAM2	0.865601109	N	1	N
ADGRE2	0.865647252	N	0	N
CERK	0.865810109	N	4	N
SNX19P1	0.865820521	N	0	N
AC098592.2	0.865861391	N	0	N
AP000756.2	0.865861391	N	0	N
CA9	0.865861391	N	11	N
DHCR24	0.865861391	N	14	N
KRT42P	0.865861391	N	0	N
MKRN3	0.865861391	N	3	N
MPP1	0.865861391	N	1	N
PLEKHB1	0.865861391	N	0	N
RHOBTB2	0.865861391	N	0	N
SPCS2	0.865861391	N	0	N
AC004969.1	0.865909453	N	0	N
AC132068.1	0.865909453	N	0	N
ATG4D	0.865909453	N	0	N
HOXB3	0.865909453	N	3	N
MRPL22	0.865909453	N	0	N
NOD1	0.865909453	N	31	N
AC009163.7	0.865990442	N	0	N
AL359915.2	0.865990442	N	0	N
ERN2	0.865990442	N	27	N
ESS2	0.865990442	N	0	N
NRP2	0.865990442	N	5	N
POLR2J3	0.865990442	N	0	N
YPEL4	0.865990442	N	0	N
AC026786.1	0.866062879	N	0	N
GALNT2	0.866062879	N	5	N
ANGPT4	0.86608814	N	5	N
C10orf76	0.86608814	N	0	N
CD81-AS1	0.86608814	N	0	N
CHMP5	0.86608814	N	0	N
ABCD3	0.866100434	N	1	N
AL591503.3	0.866100434	N	0	N
MAPK8IP3	0.866100434	N	3	N
RUFY2	0.866100434	N	0	N
AC005775.1	0.866225129	N	0	N
AC025423.1	0.866225129	N	0	N
CYP20A1	0.866225129	N	0	N
LBX1	0.866225129	N	1	N
SLC25A14P1	0.866225129	N	0	N
TFAP2B	0.866225129	N	7	N
ZBTB49	0.866225129	N	0	N
AC011468.4	0.866227348	N	0	N
CCDC24	0.866227348	N	0	N
PLA2G7	0.866227348	N	10	N
CYB561D1	0.86623996	N	0	N
MMP17	0.86623996	N	1	N
SFT2D1	0.86623996	N	0	N
TXNDC9	0.86623996	N	0	N
AC107385.1	0.866417414	N	0	N
XYLT1	0.866477088	N	1	N
DDX3X	0.866544695	N	2	N
MAP3K14	0.866544695	N	3	N
TMEM9	0.866544695	N	0	N
MED17	0.86663249	N	1	N
ZNF562	0.866663911	N	0	N
CHD5	0.866674067	N	2	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
PRKCH	0.866674067	N	1	N
KCNN1	0.866717514	N	2	N
ADO	0.866721648	N	36	N
EPHA2	0.866721648	N	11	N
GRIP1	0.866721648	N	3	N
NINL	0.866721648	N	0	N
PHLPP2	0.866721648	N	11	N
SLC35A2	0.866721648	N	1	N
STX2	0.866721648	N	0	N
UBE2E3	0.866721648	N	1	N
KIFC2	0.866811467	N	0	N
WASHC5	0.866865869	N	0	N
TXNRD2	0.86694539	N	4	N
AC096536.1	0.866954994	N	0	N
AFMID	0.866954994	N	2	N
ALDOA	0.866954994	N	5	N
CFB	0.866954994	N	13	N
CYP4F8	0.866954994	N	0	N
FAM92A	0.866954994	N	0	N
SRP14-AS1	0.866954994	N	0	N
TRIP11	0.866954994	N	0	N
AL049610.1	0.866973921	N	0	N
LINC00894	0.866973921	N	0	N
LINC01725	0.866973921	N	0	N
OGFRP1	0.866973921	N	0	N
PMS2	0.866973921	N	1	N
PROSER1	0.866973921	N	0	N
MARCH2	0.866991491	N	0	N
FDPSP5	0.866998515	N	0	N
GSG1L	0.866998515	N	0	N
FBXW4	0.867089082	N	0	N
AVEN	0.867224896	N	1	N
RPL32P3	0.867224896	N	0	N
OCLM	0.867231181	N	0	N
FARSB	0.867238895	N	1	N
KCNC2	0.867238895	N	2	N
AC092653.1	0.867453242	N	0	N
C3	0.867453242	N	653	Y
CAMTA1	0.867453242	N	6	N
SAMD11	0.867453242	N	0	N
KBTBD12	0.867488665	N	0	N
DHRS2	0.867518855	N	0	N
WT1-AS	0.867525591	N	2	N
AC011921.3	0.867582257	N	0	N
GOLIM4	0.867582257	N	0	N
GSC	0.867612518	N	41	N
TARS	0.867612518	N	2	N
AC023389.2	0.867627336	N	0	N
AC092620.3	0.867627336	N	0	N
AC007216.4	0.867650935	N	0	N
AC021087.3	0.867650935	N	0	N
AC068888.2	0.867650935	N	0	N
AC107953.1	0.867650935	N	0	N
FAXC	0.867650935	N	0	N
KRIT1	0.867650935	N	2	N
OR4F13P	0.867650935	N	0	N
RN7SL672P	0.867650935	N	0	N
SHANK2	0.867650935	N	2	N
SLC18A3	0.867650935	N	8	N
HEXA-AS1	0.867660312	N	0	N
BICDL1	0.86768115	N	0	N
HSPBP1	0.86768115	N	0	N
PCBP1	0.86768115	N	2	N
PTP4A2	0.86768115	N	0	N
RPRD1A	0.86768115	N	0	N
WWTR1-AS1	0.86776512	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC024587.1	0.867775984	N	0	N
AC120057.4	0.867775984	N	0	N
RABL3	0.867775984	N	0	N
TINF2	0.867775984	N	2	N
WDR43	0.867775984	N	0	N
ZNF529-AS1	0.867775984	N	0	N
NUP153	0.867965436	N	1	N
AC015971.1	0.868045144	N	0	N
CNGA1	0.868142245	N	3	N
TSPAN18	0.86826516	N	1	N
LINC00630	0.868374347	N	0	N
IRAK1BP1	0.868398052	N	0	N
KIN	0.868398052	N	146	Y
LINC00596	0.868398052	N	0	N
SYT11	0.868398052	N	3	N
AC006033.2	0.868460619	N	0	N
AC021205.3	0.868460619	N	0	N
AC034229.2	0.868460619	N	0	N
FASTKD3	0.868460619	N	0	N
FBXO27	0.868460619	N	0	N
HAX1	0.868460619	N	0	N
MRFAP1L1	0.868460619	N	0	N
PITPNC1	0.868491111	N	1	N
SLCS1A	0.868515589	N	0	N
SLC37A1	0.868633265	N	0	N
CREBBP	0.868691676	N	50	N
FUNDC2P1	0.868691676	N	0	N
GOLGA3	0.868691676	N	1	N
IPO13	0.868691676	N	0	N
MPND	0.868691676	N	0	N
RBBP4	0.868691676	N	4	N
AC087499.1	0.868697328	N	0	N
SCIMP	0.868697328	N	0	N
NCLN	0.868768885	N	1	N
ACP7	0.868800798	N	0	N
AC002524.1	0.868811718	N	0	N
AC009977.1	0.868811718	N	0	N
ARHGAP23	0.868811718	N	0	N
BORCS6	0.868811718	N	0	N
EIF2AK2	0.868811718	N	6	N
EPN1	0.868811718	N	0	N
FAM76A	0.868811718	N	0	N
HNRNPKP2	0.868811718	N	0	N
KMT5C	0.868811718	N	0	N
NDUFA11	0.868811718	N	0	N
P3H3	0.868811718	N	0	N
PPP1R16A	0.868811718	N	0	N
TROVE2	0.868811718	N	0	N
TNIP1	0.868847896	N	3	N
AC006270.2	0.868876175	N	0	N
CLUHP3	0.868876175	N	0	N
AC073848.1	0.868903308	N	0	N
AC006210.2	0.868933614	N	0	N
ACP6	0.868933614	N	0	N
AL022328.4	0.868933614	N	0	N
AC087392.4	0.868989359	N	0	N
LUC7L3	0.868989359	N	1	N
AC112255.1	0.869053302	N	0	N
MYTIL	0.869115613	N	4	N
ZKSCAN3	0.869176431	N	1	N
TNIK	0.869250032	N	0	N
AC069262.1	0.86925132	N	0	N
AC063950.1	0.869333665	N	0	N
AMN	0.869333665	N	8	N
NDUFV2	0.869333665	N	2	N
ARL6	0.869376736	N	1	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
TTC9C	0.869376736	N	0	N
AL135905.2	0.869390647	N	0	N
KPNA1	0.869390647	N	0	N
AC004554.1	0.869401222	N	0	N
OR5P2	0.869401222	N	0	N
PPP1R14BP3	0.869401222	N	0	N
AC116351.1	0.86955178	N	0	N
ARHGAP27	0.86955178	N	0	N
HMGN1P8	0.86955178	N	0	N
PIWIL3	0.86955178	N	0	N
SEMA4C	0.869600128	N	0	N
AC009779.3	0.869617362	N	0	N
AC012557.1	0.869617362	N	0	N
AC072061.1	0.869706103	N	0	N
AC090825.1	0.869706103	N	0	N
AC105150.1	0.869706103	N	0	N
ALDH1A3	0.869706103	N	10	N
CCNE1	0.869706103	N	8	N
RFKP1	0.869706103	N	0	N
TRAFD1	0.869706103	N	0	N
CLDN10	0.869822296	N	1	N
BOLA2P1	0.869897901	N	0	N
STK33	0.869897901	N	1	N
ELL3	0.869978835	N	0	N
GAS2	0.869978835	N	2	N
WDR82P2	0.869978835	N	0	N
ZNF671	0.869978835	N	0	N
PTN	0.870030611	N	19	N
RNASET2	0.87005978	N	0	N
FAM98C	0.870069445	N	0	N
NFXL1	0.870148763	N	0	N
TFEB	0.870148763	N	26	N
AC025031.3	0.870315435	N	0	N
ZNF513	0.870349611	N	0	N
THADA	0.870359936	N	32	N
AC079601.2	0.870364145	N	0	N
AC097527.1	0.870364145	N	0	N
FUT4	0.870364145	N	1	N
HADHAP1	0.870364145	N	0	N
PTPA	0.870364145	N	0	N
TOR1B	0.870364145	N	0	N
GAB2	0.870436797	N	21	N
BMPER	0.870462607	N	0	N
RALB	0.870635338	N	3	N
AC019171.1	0.870829436	N	0	N
AC091390.4	0.870829436	N	0	N
AICDA	0.870829436	N	5	N
AL356432.3	0.870829436	N	0	N
AP001258.1	0.870829436	N	0	N
BCL11B	0.870829436	N	0	N
BTN2A2	0.870829436	N	0	N
CCDC88B	0.870829436	N	0	N
CDK19	0.870829436	N	1	N
CTXND1	0.870829436	N	0	N
FZD3	0.870829436	N	7	N
GMCL1P1	0.870829436	N	0	N
HTN3	0.870829436	N	2	N
IFIT3	0.870829436	N	3	N
KAT6B	0.870829436	N	2	N
LAX1	0.870829436	N	0	N
MAST3	0.870829436	N	0	N
PACERR	0.870829436	N	0	N
RBBP9	0.870829436	N	0	N
UBA1	0.870829436	N	2	N
ZNF146	0.870829436	N	0	N
AC108058.1	0.870927552	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC133963.1	0.870927552	N	0	N
AL117190.1	0.871153265	N	0	N
ANXA13	0.871153265	N	0	N
AC141928.1	0.871212765	N	0	N
ARFGAP1	0.871265469	N	0	N
AC007237.1	0.871353207	N	0	N
AC026367.3	0.871353207	N	0	N
CBX4	0.871353207	N	0	N
CDC42P6	0.871353207	N	0	N
FAN1	0.871353207	N	0	N
KLHL11	0.871353207	N	0	N
NAA50	0.871353207	N	0	N
PPHLN1	0.871353207	N	0	N
TBC1D29	0.871353207	N	0	N
AC118465.1	0.871432398	N	0	N
BIRC3	0.871432398	N	9	N
CNKSR1	0.871432398	N	1	N
GSN-AS1	0.871432398	N	0	N
PRKACA	0.871432398	N	4	N
CD300LG	0.87158257	N	1	N
CYP2W1	0.87158257	N	0	N
AC005412.1	0.871582734	N	0	N
AC027088.4	0.871582734	N	0	N
AP002833.3	0.871582734	N	0	N
APOOP5	0.871582734	N	0	N
B3GALNT1	0.871582734	N	0	N
CDHR5	0.871582734	N	0	N
CNIH1	0.871582734	N	0	N
EHD3	0.871582734	N	2	N
GIGYF1	0.871582734	N	2	N
KIF16B	0.871582734	N	0	N
LINC00426	0.871582734	N	0	N
LPXN	0.871582734	N	0	N
PANO1	0.871582734	N	0	N
PLXNA3	0.871582734	N	1	N
PTPRVP	0.871582734	N	0	N
RN7SL81P	0.871582734	N	0	N
SLC30A6	0.871582734	N	1	N
AC018554.1	0.871638454	N	0	N
AC106760.2	0.871638454	N	0	N
ADAMTSL4	0.871638454	N	1	N
BTBD2	0.871638454	N	0	N
CD180	0.871638454	N	2	N
CD81	0.871638454	N	19	N
DNAAF5	0.871638454	N	0	N
FAU	0.871638454	N	25	N
LINC00482	0.871638454	N	0	N
SLC19A3	0.871638454	N	1	N
SPATA2L	0.871638454	N	0	N
TM4SF19	0.871638454	N	0	N
UNC45A	0.8716461	N	0	N
FAM103A1	0.871732831	N	0	N
XPO7	0.871732831	N	0	N
CNKSR2	0.871974728	N	1	N
F7	0.872055458	N	29	N
PRADC1P1	0.872055458	N	0	N
WNT10A	0.872055458	N	5	N
RPL7AP50	0.872108994	N	0	N
CFLIP1	0.872273515	N	0	N
AF129075.1	0.872455312	N	0	N
BCOR	0.872455312	N	4	N
NTSR1	0.872455312	N	5	N
NUMA1	0.872455312	N	2	N
PHF10	0.872455312	N	0	N
RPP38	0.872455312	N	0	N
SOX6	0.872455312	N	16	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
LINC00471	0.872611254	N	0	N
MAP3K7CL	0.872611254	N	0	N
ZNF385B	0.872611254	N	0	N
AC005050.1	0.872734691	N	0	N
PHC1P1	0.872734691	N	0	N
STPG1	0.872734691	N	0	N
AC084125.2	0.87302076	N	0	N
ADCY10P1	0.87302076	N	0	N
COL1A1	0.87302076	N	72	N
GPR89A	0.87302076	N	0	N
ADRB3	0.873323461	N	82	N
MAP2K6	0.873323461	N	12	N
PXYLP1	0.873323461	N	0	N
RMRP	0.873323461	N	2	N
TLE1	0.873323461	N	6	N
TNK2	0.873323461	N	2	N
FAM76B	0.87342231	N	0	N
LRFN1	0.873457045	N	0	N
AQR	0.873628408	N	3	N
ASNSP6	0.873628408	N	0	N
ATP1B3P1	0.873628408	N	0	N
C21orf62-AS1	0.873628408	N	0	N
DHX36	0.873628408	N	0	N
GTF2B	0.873628408	N	0	N
KTN1	0.873628408	N	1	N
NUTF2P2	0.873628408	N	0	N
TSPAN3	0.873628408	N	0	N
TUT1	0.873628408	N	0	N
UBTD1	0.873628408	N	0	N
ZNF16	0.873628408	N	0	N
AL353746.1	0.873647237	N	0	N
COLGALT1	0.873829326	N	0	N
GUSBP2	0.873966958	N	0	N
AC089984.3	0.874012508	N	0	N
ENTPD1	0.874012508	N	2	N
HNF4A	0.874012508	N	282	Y
AC009127.2	0.874107937	N	0	N
AC009133.5	0.874107937	N	0	N
AC113615.1	0.874107937	N	0	N
AC123595.1	0.874107937	N	0	N
FAM49A	0.874107937	N	0	N
GDNF	0.874107937	N	158	Y
GPR27	0.874107937	N	2	N
IRF6	0.874107937	N	1	N
NEK8	0.874107937	N	0	N
PIGQ	0.874107937	N	0	N
SAMD9L	0.874107937	N	0	N
ARHGAP29	0.874143772	N	0	N
HNRNPLL	0.874476275	N	1	N
RBP1	0.874476275	N	4	N
RBMX2P3	0.87447898	N	0	N
AC009163.4	0.87450377	N	0	N
TAF9	0.87450377	N	0	N
MID1IP1	0.874556817	N	0	N
CAPG	0.874559896	N	1	N
PAQR8	0.874559896	N	0	N
SLC9A3R1	0.874559896	N	3	N
AC009053.2	0.874592772	N	0	N
AC093249.2	0.874592772	N	0	N
AC104237.3	0.874592772	N	0	N
AC105101.1	0.874592772	N	0	N
AMZ2P2	0.874592772	N	0	N
BX537318.1	0.874592772	N	0	N
CNOT8	0.874592772	N	2	N
DAGLB	0.874592772	N	1	N
DPYSL5	0.874592772	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
GNPAT	0.874592772	N	0	N
GNRH1	0.874592772	N	7	N
IQGAP2	0.874592772	N	2	N
LINC01270	0.874592772	N	0	N
PAK1	0.874592772	N	44	N
RHBDF1P1	0.874592772	N	0	N
RPL36A-HNRNPH2	0.874592772	N	0	N
RPS9	0.874592772	N	3	N
RSPH4A	0.874592772	N	0	N
SERINC2	0.874592772	N	0	N
SLC41A3	0.874592772	N	1	N
YES1	0.874592772	N	6	N
AC023509.3	0.874605135	N	0	N
ALG8	0.874605135	N	0	N
ANKRD26P4	0.874605135	N	0	N
GANAB	0.874605135	N	1	N
PROCR	0.874605135	N	8	N
SMC2-AS1	0.874605135	N	0	N
SMIM13	0.874605135	N	1	N
TBCAP3	0.874605135	N	0	N
ZNF716	0.874605135	N	0	N
KCTD14	0.874610873	N	0	N
PLIN5	0.874610873	N	26	N
PPP4C	0.874610873	N	0	N
SOD1P3	0.874610873	N	0	N
AC084082.1	0.874656182	N	0	N
AC105345.1	0.874734385	N	0	N
AC093849.1	0.874877525	N	0	N
AC107983.2	0.874877525	N	0	N
AC108866.1	0.874877525	N	0	N
ADGRF1	0.874877525	N	0	N
AJ011932.1	0.874877525	N	0	N
AL138759.1	0.874877525	N	0	N
AP005117.1	0.874877525	N	0	N
ASCL4	0.874877525	N	0	N
CDX1	0.874877525	N	3	N
FAM196A	0.874877525	N	0	N
FNDC4	0.874877525	N	1	N
RPL37	0.874877525	N	0	N
UCN2	0.874877525	N	9	N
ZNF618	0.874877525	N	0	N
CHMP2B	0.874933491	N	1	N
CU633906.2	0.874933491	N	0	N
RP11-521C22.3	0.874933491	N	0	N
STAC2	0.874933491	N	0	N
AC104986.2	0.87496962	N	0	N
AC108488.1	0.87496962	N	0	N
ANKS1B	0.87496962	N	0	N
CARMIL2	0.87496962	N	0	N
DPP3P2	0.87496962	N	0	N
RHPN1	0.87496962	N	1	N
AC005014.1	0.874982635	N	0	N
AC114495.2	0.874982635	N	0	N
AC244669.1	0.874982635	N	0	N
ANGPTL6	0.874982635	N	19	N
CADM2	0.874982635	N	3	N
CASK	0.874982635	N	8	N
COPS4	0.874982635	N	0	N
CPT2	0.874982635	N	27	N
CUTA	0.874982635	N	0	N
LDAH	0.874982635	N	1	N
NSD3	0.874982635	N	1	N
PEBP1P2	0.874982635	N	0	N
PLAGL1	0.874982635	N	35	N
PLAGL2	0.874982635	N	3	N
SLC2A3P4	0.874982635	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC009362.1	0.875077353	N	0	N
AC063976.2	0.875077353	N	0	N
ACOT12	0.875077353	N	1	N
AL356056.2	0.875077353	N	0	N
AP4B1-AS1	0.875077353	N	0	N
LINC02073	0.875077353	N	0	N
PADI2	0.875077353	N	2	N
RAMP2	0.875077353	N	3	N
RPL29P11	0.875077353	N	0	N
RPS4XP16	0.875077353	N	0	N
SDHD	0.875077353	N	2	N
SP9	0.875077353	N	2	N
TMED10P2	0.875077353	N	0	N
AKT2	0.87514244	N	466	Y
ELF3	0.875241745	N	4	N
CD44	0.875277267	N	234	Y
GLULP6	0.875363096	N	0	N
AC098591.2	0.87537458	N	0	N
CSNK1D	0.87537458	N	1	N
LINC01182	0.87537458	N	0	N
PRPSAP1	0.87537458	N	1	N
SLX4IP	0.87537458	N	0	N
ZBTB7B	0.87537458	N	2	N
MYLK4	0.875405269	N	0	N
THUMPD3-AS1	0.875405269	N	0	N
SHROOM1	0.875445788	N	0	N
IKBKE	0.875466394	N	26	N
NECAP1	0.875466394	N	0	N
PGBD2	0.875466394	N	0	N
PHC2	0.875466394	N	0	N
XYLT2	0.875504707	N	1	N
ZNHIT3	0.875504707	N	0	N
PAX3	0.87561896	N	31	N
ZSCAN12	0.875643124	N	0	N
TEX21P	0.875647202	N	0	N
KCNAB1	0.875649241	N	1	N
PRH1	0.875649241	N	0	N
UBA52	0.875649241	N	0	N
C14orf132	0.875854336	N	0	N
NLRX1	0.875854336	N	2	N
SH3GLB2	0.875854336	N	0	N
AC009065.5	0.875955677	N	0	N
AC010735.2	0.875955677	N	0	N
AC012676.5	0.875955677	N	0	N
AC020917.4	0.875955677	N	0	N
AC020978.7	0.875955677	N	0	N
AC021006.3	0.875955677	N	0	N
AC026471.1	0.875955677	N	0	N
AC083843.3	0.875955677	N	0	N
AC090502.4	0.875955677	N	0	N
AC092546.1	0.875955677	N	0	N
AC093616.1	0.875955677	N	0	N
AC103591.3	0.875955677	N	0	N
AC109326.1	0.875955677	N	0	N
AL137792.1	0.875955677	N	0	N
AL353622.1	0.875955677	N	0	N
AL357568.1	0.875955677	N	0	N
ATF1	0.875955677	N	7	N
C2orf74	0.875955677	N	0	N
CASP3P1	0.875955677	N	0	N
CCNDBP1	0.875955677	N	0	N
CRB1	0.875955677	N	1	N
DHX57	0.875955677	N	0	N
DUSP7	0.875955677	N	0	N
HNRNPA3P6	0.875955677	N	0	N
LINC01978	0.875955677	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
N4BP2	0.875955677	N	0	N
PDP1	0.875955677	N	11	N
PPP1R2P3	0.875955677	N	0	N
PTPRQ	0.875955677	N	0	N
RHBDF2	0.875955677	N	0	N
RP11-517A5.4	0.875955677	N	0	N
SEC61B	0.875955677	N	0	N
SERF1A	0.875955677	N	0	N
SLC1A4	0.875955677	N	0	N
SLC30A9	0.875955677	N	0	N
SMG1P3	0.875955677	N	0	N
SOCS5P4	0.875955677	N	0	N
STAG3L4	0.875955677	N	0	N
SYT8	0.875955677	N	2	N
TADA1	0.875955677	N	0	N
TMEM100	0.875955677	N	0	N
TMEM120B	0.875955677	N	0	N
TTC12	0.875955677	N	0	N
UBE2V2P3	0.875955677	N	0	N
VIRMA	0.875955677	N	0	N
ZFP1	0.875955677	N	0	N
AC080014.1	0.875989789	N	0	N
CNNM2	0.875989789	N	4	N
INO80B-WBP1	0.875989789	N	0	N
POU2F1	0.875989789	N	15	N
PRR34	0.875989789	N	0	N
BEX1	0.876290748	N	1	N
RARG	0.876290748	N	2	N
AC108463.1	0.87638049	N	0	N
BEX3	0.87638049	N	0	N
CCDC75P1	0.87638049	N	0	N
PHKA1	0.87638049	N	2	N
TLL7	0.87638049	N	0	N
UQCRBP1	0.876486652	N	0	N
GPR20	0.876500456	N	1	N
NUFIP1	0.876500456	N	0	N
ZNF175	0.87653448	N	0	N
CRACR2B	0.876662273	N	1	N
EXOC3L2	0.876673691	N	1	N
HAS3	0.876673691	N	7	N
PCGF5	0.876673691	N	0	N
SIRT5	0.876673691	N	11	N
AC007326.2	0.876697435	N	0	N
AC096919.1	0.876713098	N	0	N
AC104794.2	0.876713098	N	0	N
AC147067.1	0.876713098	N	0	N
ACOT8	0.876713098	N	1	N
AL353625.1	0.876713098	N	0	N
AL354861.1	0.876713098	N	0	N
C4orf32	0.876713098	N	1	N
LINC01247	0.876934547	N	0	N
IP6K1	0.877080767	N	19	N
TMEM14B	0.877080767	N	0	N
AC093495.1	0.87721773	N	0	N
VPS35	0.87721773	N	5	N
TBC1D5	0.877263871	N	0	N
AC105219.1	0.877276058	N	0	N
SRPRB	0.877276058	N	0	N
TOLLIP-AS1	0.877276058	N	0	N
UBXN1	0.877276058	N	0	N
EFHD1	0.877282138	N	1	N
AP000708.1	0.877316671	N	0	N
ATG10	0.877361699	N	1	N
SCRN2	0.877361699	N	0	N
RPL30	0.877492194	N	0	N
DHX37	0.877499703	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC006064.4	0.877521105	N	0	N
AC092653.2	0.877521105	N	0	N
AC007318.1	0.87754988	N	0	N
JPX	0.87755644	N	3	N
AC093890.1	0.877569638	N	0	N
PLXNB2	0.877569638	N	0	N
ZNF385D	0.877662198	N	0	N
AC023813.2	0.87776635	N	0	N
CBY1	0.87776635	N	0	N
KIAA1614	0.87776635	N	0	N
SNUPN	0.877800161	N	0	N
FNDC11	0.877877987	N	0	N
AC004000.1	0.877903565	N	0	N
AC010326.2	0.877903565	N	0	N
AC074183.2	0.877903565	N	0	N
AC090643.1	0.877903565	N	0	N
AL160153.1	0.877903565	N	0	N
CAPZA2	0.877903565	N	0	N
FABP7P1	0.877903565	N	0	N
FRS3	0.877903565	N	2	N
PLEK2	0.877903565	N	1	N
RPL18P10	0.877903565	N	0	N
RWDD3	0.877903565	N	0	N
EPN2	0.878071133	N	0	N
MBD2	0.878071133	N	7	N
ZNF180	0.878071133	N	0	N
ZBTB46	0.878154434	N	0	N
ABCA4	0.878157444	N	4	N
AC002486.2	0.878157444	N	0	N
AC092614.1	0.878157444	N	0	N
AC106047.1	0.878157444	N	0	N
AC108120.1	0.878157444	N	0	N
AL353726.1	0.878157444	N	0	N
CECR7	0.878157444	N	0	N
CNBD2	0.878157444	N	0	N
DCP2	0.878157444	N	2	N
DDX6P1	0.878157444	N	0	N
FAF2P1	0.878157444	N	0	N
GNRHR2	0.878157444	N	2	N
KIRREL1-IT1	0.878157444	N	0	N
MAATS1	0.878157444	N	0	N
MOSPD2	0.878157444	N	0	N
NUTF2P4	0.878157444	N	0	N
PPIAP22	0.878157444	N	0	N
THAP8	0.878157444	N	0	N
VMP1	0.878157444	N	1	N
ZNF747	0.878157444	N	0	N
AL356234.1	0.878226906	N	0	N
AC099548.2	0.878312117	N	0	N
ADIPOR2	0.878312117	N	344	Y
EREG	0.878312117	N	14	N
LAPTM5	0.878312117	N	0	N
YWHAEP5	0.878312117	N	0	N
ZNF543	0.878312117	N	0	N
TRIM6-TRIM34	0.878474307	N	0	N
RPL23AP37	0.878545495	N	0	N
DPYD-IT1	0.878561353	N	0	N
ATOX1	0.878786028	N	1	N
AP3D1	0.878849243	N	1	N
ABCA12	0.878865398	N	1	N
AC009690.1	0.878865398	N	0	N
AC011492.1	0.878865398	N	0	N
AC016747.4	0.878865398	N	0	N
AC022483.1	0.878865398	N	0	N
AC027373.1	0.878865398	N	0	N
AKIRIN1P2	0.878865398	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AL024498.1	0.878865398	N	0	N
AL354696.1	0.878865398	N	0	N
AL513548.1	0.878865398	N	0	N
AL583722.1	0.878865398	N	0	N
ASB3	0.878865398	N	0	N
BBIP1	0.878865398	N	0	N
C1GALT1P2	0.878865398	N	0	N
CAMK1G	0.878865398	N	0	N
CRYZP2	0.878865398	N	0	N
DNAJC19P5	0.878865398	N	0	N
ECM1	0.878865398	N	9	N
FAM200B	0.878865398	N	0	N
FLJ40194	0.878865398	N	0	N
LINC01144	0.878865398	N	0	N
MAPK4	0.878865398	N	2	N
MAU2	0.878865398	N	0	N
SEH1L	0.878865398	N	0	N
SNORA71B	0.878865398	N	0	N
TLK2	0.878865398	N	0	N
TMEM18	0.878865398	N	9	N
U73166.1	0.878865398	N	0	N
AC015813.2	0.878924404	N	0	N
AC097488.1	0.878924404	N	0	N
AC104806.2	0.878924404	N	0	N
C12orf66	0.878924404	N	0	N
SPON2	0.878924404	N	1	N
CCDC87	0.87894374	N	0	N
CHKB	0.87894374	N	1	N
IMPG1	0.87894374	N	0	N
LINC00652	0.87894374	N	0	N
LINC00700	0.87894374	N	0	N
AC022730.4	0.878959088	N	0	N
LINC02338	0.878959088	N	0	N
PRKD2	0.879020445	N	1	N
AL133243.2	0.879123476	N	0	N
PIK3R5	0.879123476	N	2	N
SPRYD3	0.879123476	N	0	N
AL079342.2	0.879134834	N	0	N
CFH	0.879134834	N	10	N
SLC16A6	0.879134834	N	0	N
PABPC4L	0.879227897	N	0	N
AC027271.1	0.8792474	N	0	N
AC080013.3	0.8792474	N	0	N
AC092295.2	0.8792474	N	0	N
AL391095.1	0.8792474	N	0	N
AP002833.1	0.8792474	N	0	N
APOBEC3D	0.8792474	N	0	N
BRAP	0.8792474	N	5	N
EPGN	0.8792474	N	0	N
FAM66B	0.8792474	N	0	N
KPNA2P2	0.8792474	N	0	N
MLXIPL	0.8792474	N	120	Y
WDR25	0.8792474	N	0	N
Y_RNA	0.8792474	N	2	N
AC092747.4	0.879270574	N	0	N
CTA-292E10.9	0.879270574	N	0	N
HS3ST3B1	0.879270574	N	0	N
RRNAD1	0.879270574	N	0	N
ZNF556	0.879270574	N	0	N
ABCB10	0.879359523	N	0	N
FAM98B	0.879359523	N	0	N
FZD4	0.879359523	N	8	N
PKIB	0.879359523	N	2	N
RIOK3P1	0.879359523	N	0	N
SYTL1	0.879359523	N	1	N
NFIA	0.879409825	N	7	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
OLA1P2	0.879409825	N	0	N
ZNF304	0.879409825	N	0	N
RASGRF1	0.879450767	N	27	N
MYOZ2	0.87948803	N	2	N
AC016542.1	0.879510743	N	0	N
C11orf71	0.879510743	N	0	N
RPS12P16	0.879510743	N	0	N
WIPF3	0.879510743	N	0	N
DIS3L	0.879590191	N	0	N
ACOT11	0.879642555	N	1	N
AMD1P3	0.879642555	N	0	N
TRMT2A	0.879642555	N	0	N
HNF1A-AS1	0.879656607	N	0	N
S100A16	0.879656607	N	2	N
AC007787.2	0.87971452	N	0	N
URAHF	0.87971452	N	2	N
CICP27	0.879719931	N	0	N
HIGD1A	0.879719931	N	1	N
LMO7-AS1	0.879719931	N	0	N
VPS25P1	0.879719931	N	0	N
AMZ2P1	0.879818699	N	0	N
AC022080.2	0.879823335	N	0	N
TAGLN	0.879823335	N	11	N
CTD-2277K2.1	0.879824722	N	0	N
GALNT4	0.879883077	N	0	N
AC074367.1	0.88009001	N	0	N
GPR83	0.880154202	N	2	N
NAMPTP1	0.880154202	N	0	N
HNRNPUL1	0.880171233	N	0	N
MAPKAPK3	0.880171233	N	1	N
AK3P2	0.880313162	N	0	N
EID2	0.880313162	N	0	N
AL671710.1	0.880353677	N	0	N
CDIP1	0.880353677	N	0	N
RAD1P1	0.880353677	N	0	N
VAR5	0.880353677	N	2	N
ARMCX5-GPRASP2	0.88044359	N	0	N
FBXO38	0.880445811	N	0	N
ZNF28	0.880445811	N	0	N
IGSF8	0.880589922	N	0	N
KIAA1644	0.880589922	N	0	N
AC012676.4	0.880623494	N	0	N
AP5S1	0.880623494	N	0	N
APOBEC3G	0.880623494	N	1	N
BARX1	0.880623494	N	2	N
BCL2L1	0.880623494	N	167	Y
FAM196B	0.880623494	N	0	N
GANC	0.880623494	N	1	N
MAFG-AS1	0.880623494	N	0	N
MLC1	0.880623494	N	2	N
PAOX	0.880623494	N	1	N
SMAGP	0.880623494	N	1	N
TMEM97P2	0.880623494	N	0	N
AC060766.1	0.880626724	N	0	N
AL157702.2	0.880647189	N	0	N
EPHA1-AS1	0.880647189	N	0	N
GKAP1	0.880647189	N	1	N
AC020656.2	0.880806209	N	0	N
TXNP1	0.880822923	N	0	N
AC006273.1	0.880826688	N	0	N
RRAS	0.880899044	N	7	N
AC010878.1	0.88089934	N	0	N
AC131649.2	0.88089934	N	0	N
AP001889.1	0.88089934	N	0	N
COX7A2	0.88089934	N	2	N
FARSA	0.88089934	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
HRH3	0.88089934	N	0	N
SCAMP4	0.880929669	N	0	N
USP24	0.880929669	N	0	N
AC055811.2	0.880981573	N	0	N
ALOXE3	0.880981573	N	1	N
SSR1	0.880981573	N	2	N
TMEM147	0.880994713	N	0	N
AC002310.1	0.88102485	N	0	N
AC006486.1	0.88102485	N	0	N
AC021483.2	0.88102485	N	0	N
AC023043.4	0.88102485	N	0	N
MAGEA10	0.88102485	N	0	N
PLRG1	0.88102485	N	0	N
SNX16	0.88102485	N	1	N
SPTB	0.88102485	N	5	N
NUDCD3	0.881041529	N	0	N
SPAG7	0.881044109	N	0	N
LINC00926	0.881216359	N	0	N
NUP210L	0.881216359	N	0	N
ARAP3	0.881276557	N	1	N
CDKN1C	0.881276557	N	104	Y
DPYS	0.881276557	N	0	N
FAM87A	0.881276557	N	0	N
LINC00595	0.881276557	N	0	N
LINC01579	0.881276557	N	0	N
OSGEP	0.881276557	N	0	N
RPTOR	0.881276557	N	70	N
SPIN2B	0.881276557	N	1	N
TUBA4A	0.881276557	N	0	N
AOX3P	0.881444077	N	1	N
GRPEL2P2	0.881444077	N	0	N
NT5C3AP1	0.881444077	N	0	N
AC087203.3	0.881444085	N	0	N
AC108010.1	0.88148477	N	0	N
AL596325.1	0.88148477	N	0	N
RAPGEF5	0.88148477	N	0	N
SUPT20H	0.88148477	N	0	N
AK3P5	0.881489718	N	0	N
IFFO2	0.881568114	N	0	N
RIOK2	0.881568114	N	0	N
AC104117.2	0.881770042	N	0	N
AL160286.1	0.881770042	N	0	N
GNA13	0.881770042	N	2	N
HEIH	0.881770042	N	1	N
KIAA0087	0.881770042	N	0	N
RHOT1	0.881770042	N	0	N
RP11-112N13.1	0.881770042	N	0	N
RP11-22P4.1	0.881770042	N	0	N
RPL5P12	0.881770042	N	0	N
SERPIN1	0.881770042	N	0	N
WNK2	0.881770042	N	0	N
AC090922.1	0.881837294	N	0	N
AL359845.1	0.882097554	N	0	N
C2orf50	0.882097554	N	0	N
DLD	0.882097554	N	13	N
KLF10	0.882097554	N	5	N
LRRFIP2	0.882097554	N	0	N
SMC5-AS1	0.882097554	N	0	N
TMED1	0.882097554	N	0	N
LINC00525	0.882102842	N	0	N
SMAD3	0.882106672	N	151	Y
ANKRD18DP	0.882126118	N	0	N
COL13A1	0.882126118	N	1	N
PTGR2	0.882126118	N	1	N
ZNF622	0.882245026	N	0	N
AL035563.1	0.88237283	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
COQ10B	0.88237283	N	0	N
LTN1	0.882461755	N	0	N
AC005840.3	0.882711464	N	0	N
SLC27A1	0.882711464	N	51	N
THSD1	0.882711464	N	0	N
RPS6KB1	0.882856152	N	17	N
ATG9B	0.88290392	N	0	N
PHLDB1	0.88296565	N	1	N
PKD1P6	0.883118482	N	0	N
SLC25A17	0.883402691	N	0	N
TIE1	0.883402691	N	5	N
AC002985.1	0.883419895	N	0	N
AC092123.1	0.883419895	N	0	N
IFT140	0.883419895	N	1	N
JMJD4	0.883419895	N	0	N
AC018638.7	0.883678285	N	0	N
APBB1	0.883678285	N	4	N
LARP4B	0.883678285	N	0	N
PRR3	0.883678285	N	0	N
TLR3	0.883678285	N	44	N
AL138847.2	0.883685872	N	0	N
AC013472.1	0.883893937	N	0	N
BEAN1	0.883893937	N	0	N
CHMP4B	0.883893937	N	0	N
AC100814.1	0.884108169	N	0	N
AC109439.1	0.884108169	N	0	N
ADCK2	0.884108169	N	0	N
AL731566.1	0.884108169	N	0	N
DZANK1	0.884108169	N	0	N
INPP1	0.884108169	N	0	N
IRAK3	0.884108169	N	3	N
TRHDE	0.884108169	N	1	N
AC004803.1	0.884191021	N	0	N
AC010323.1	0.884191021	N	0	N
AC090568.2	0.884191021	N	0	N
HMGN4	0.884191021	N	0	N
TYW5	0.884228763	N	0	N
HSD17B11	0.884249793	N	1	N
MYO1G	0.884249793	N	0	N
PEL12	0.884249793	N	0	N
TMEM14DP	0.884249793	N	0	N
AC078883.1	0.884287213	N	0	N
C9orf16	0.884287213	N	0	N
ME3	0.884287213	N	7	N
MROH1	0.884287213	N	0	N
TDRD3	0.884287213	N	0	N
AC051619.5	0.884362507	N	0	N
TRIP10	0.884537115	N	6	N
AC098859.1	0.884583459	N	0	N
AP000577.1	0.884707331	N	0	N
SPR	0.884710724	N	84	N
AL022100.1	0.884745278	N	0	N
CD7	0.884745278	N	4	N
IL12RB1	0.884745278	N	1	N
MUC12	0.884745278	N	1	N
ZMIZ2	0.884745278	N	1	N
PTGES2	0.885029258	N	2	N
MYL12BP1	0.885072663	N	0	N
AC015818.9	0.885170944	N	0	N
AC090774.3	0.885202581	N	0	N
AC068134.3	0.885412823	N	0	N
C7orf25	0.885412823	N	0	N
AL139156.1	0.885417314	N	0	N
GRIPAP1	0.885417314	N	0	N
MIER1	0.885417314	N	1	N
ZNF707	0.885493035	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC093227.1	0.885504638	N	0	N
AC079140.3	0.885623934	N	0	N
ADAM10	0.885623934	N	35	N
AL157770.1	0.885623934	N	0	N
EPPIN	0.885623934	N	0	N
PTGR1	0.885630868	N	1	N
AC079466.1	0.885646964	N	0	N
AC245595.1	0.885646964	N	0	N
ACBD6	0.885646964	N	0	N
LINC01873	0.885646964	N	0	N
PSMC6	0.885646964	N	1	N
RHOC	0.885646964	N	12	N
RHOF	0.885646964	N	0	N
TIA1	0.885646964	N	4	N
RPS21	0.885742421	N	0	N
AL953862.1	0.885957102	N	0	N
ITPRIP	0.885957102	N	0	N
MMS19	0.885957102	N	0	N
PIWIL1	0.885957102	N	2	N
AC130462.1	0.885972174	N	0	N
ADGRE5	0.886003923	N	2	N
AL512791.2	0.886003923	N	0	N
CD226	0.886003923	N	3	N
DNM2	0.886003923	N	0	N
HSPE1P11	0.886003923	N	0	N
RN7SKP11	0.886003923	N	0	N
RPL37AP1	0.886003923	N	0	N
STC1	0.886003923	N	16	N
LINC01006	0.886041495	N	0	N
WNK3	0.886041495	N	0	N
KCND1	0.886080536	N	0	N
AC079414.3	0.886157251	N	0	N
RN7SL274P	0.886157251	N	0	N
ISG20	0.886165992	N	1	N
NRK	0.886176535	N	64	N
AC040970.1	0.886223282	N	0	N
AL355816.2	0.886223282	N	0	N
SCARNA18	0.886247326	N	0	N
AC009229.4	0.886251191	N	0	N
AC010904.1	0.886251191	N	0	N
AC011498.4	0.886251191	N	0	N
AC097534.1	0.886251191	N	0	N
AC100861.1	0.886251191	N	0	N
GAL	0.886251191	N	278	Y
LINC02024	0.886251191	N	0	N
MFSD12	0.886251191	N	0	N
NSDHL	0.886251191	N	0	N
ONECUT3	0.886251191	N	1	N
RBM23	0.886251191	N	0	N
RP1-309I22.2	0.886251191	N	0	N
RPN2	0.886251191	N	1	N
RPS20P22	0.886251191	N	0	N
RPS27L	0.886251191	N	0	N
SERPINF2	0.886251191	N	0	N
ZNF445	0.886251191	N	0	N
TMEM204	0.886267297	N	0	N
SRP54	0.886472663	N	0	N
AC099063.2	0.886473159	N	0	N
TPM3P7	0.886564074	N	0	N
OST4	0.886569837	N	0	N
MMRN2	0.88661146	N	0	N
AL691432.2	0.886643348	N	0	N
NUDT16	0.8868998	N	0	N
COPS9	0.886928666	N	0	N
AC103810.1	0.88699474	N	0	N
CCDC39	0.88699474	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
ICE2P1	0.88699474	N	0	N
TIAM2	0.88699474	N	0	N
AC109587.1	0.887125945	N	0	N
AP002414.3	0.887125945	N	0	N
ASXL3	0.887125945	N	2	N
ST3GAL6-AS1	0.887125945	N	0	N
AL132989.1	0.887165998	N	0	N
AC012158.1	0.887248866	N	0	N
C1orf109	0.887248866	N	0	N
MOB4	0.887248866	N	1	N
CLIC6	0.887255783	N	1	N
ABRACL	0.887263562	N	0	N
AC008536.1	0.887263562	N	0	N
AL132657.1	0.887263562	N	0	N
COL6A5	0.887263562	N	0	N
LINC01105	0.887263562	N	0	N
MFAP3L	0.887263562	N	0	N
PCBP4	0.887263562	N	0	N
RPS10-NUDT3	0.887263562	N	0	N
SCARB1	0.887263562	N	48	N
THBD	0.887263562	N	12	N
LYRM4	0.887510645	N	0	N
USH1G	0.887549177	N	1	N
TLN2	0.887596556	N	0	N
ARSB	0.887714759	N	2	N
NIT1	0.887765632	N	6	N
AC080038.1	0.887911058	N	0	N
ACADVL	0.887911058	N	21	N
ANP32BP1	0.887911058	N	0	N
ATP2C2-AS1	0.887911058	N	0	N
ATP5F1P1	0.887911058	N	0	N
BDP1P	0.887911058	N	0	N
CDH5	0.887911058	N	3	N
CHST8	0.887911058	N	0	N
DPM2	0.887911058	N	0	N
DUSP1	0.887911058	N	45	N
FAM118A	0.887911058	N	0	N
NDUFS7	0.887911058	N	0	N
NEK1	0.887911058	N	0	N
NME1-NME2	0.887911058	N	0	N
PCDH7	0.887911058	N	1	N
PON2	0.887911058	N	18	N
PPP2R1A	0.887911058	N	5	N
RN7SKP203	0.887911058	N	0	N
RN7SL362P	0.887911058	N	0	N
RNF34	0.887911058	N	1	N
SDSL	0.887911058	N	0	N
SEC11B	0.887911058	N	0	N
SELENON	0.887911058	N	1	N
SIX6	0.887911058	N	3	N
STC2	0.887911058	N	27	N
TMEM160	0.887911058	N	1	N
TNNI3	0.887911058	N	1	N
UGGT2	0.887911058	N	0	N
ZFHX4	0.887911058	N	0	N
SRGAP1	0.88794141	N	0	N
ACTL8	0.88797011	N	0	N
ERMP1	0.888054499	N	0	N
AC090826.2	0.888066114	N	0	N
AL593856.1	0.888066114	N	0	N
ATP5L	0.888066114	N	1	N
LRRC69	0.888066114	N	0	N
MS4A4E	0.888066114	N	0	N
SENP7	0.888066114	N	0	N
SMURF1	0.888066114	N	6	N
POLR1E	0.888149176	N	1	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
POM121	0.888149176	N	1	N
RPS3AP25	0.888160748	N	0	N
GPR151	0.888203497	N	0	N
ITGB2	0.888216094	N	2	N
RPL6	0.888229306	N	1	N
AL031320.2	0.88823923	N	0	N
ANXA8L1	0.88823923	N	0	N
RENBP	0.88823923	N	1	N
TRAK1	0.88823923	N	0	N
TXLNA	0.88823923	N	0	N
CREBZF	0.88825168	N	1	N
PM20D2	0.88836783	N	0	N
LINC01553	0.888379643	N	0	N
ARAP2	0.888435382	N	1	N
SLC22A31	0.888502031	N	0	N
ADAT2	0.888555897	N	0	N
FP325330.3	0.888582347	N	0	N
AC015871.4	0.888612788	N	0	N
AL591503.1	0.888612788	N	0	N
CCNE2	0.888612788	N	1	N
RPL23AP35	0.888612788	N	0	N
SYDE2	0.888612788	N	0	N
AC013444.1	0.888623153	N	0	N
ACSS2	0.888623153	N	6	N
AL136982.3	0.888623153	N	0	N
APOBEC3A	0.888623153	N	0	N
ARPC4-TTLL3	0.888623153	N	0	N
AXIN2	0.888623153	N	21	N
DNAJC19P9	0.888623153	N	0	N
MNX1	0.888623153	N	27	N
RAB40C	0.888623153	N	0	N
SCAP	0.888623153	N	70	N
TIGIT	0.888623153	N	5	N
USE1	0.888623153	N	0	N
ZNRF2P2	0.888623153	N	0	N
AC133552.5	0.88868179	N	0	N
KITLG	0.88868179	N	6	N
MAF1	0.888694481	N	5	N
USP15	0.888694481	N	1	N
WDR1	0.888694481	N	1	N
MARCH3	0.888705535	N	0	N
AC007389.1	0.888705535	N	0	N
AC007619.2	0.888705535	N	0	N
AC079416.2	0.888705535	N	0	N
AC092368.3	0.888705535	N	0	N
AC092910.2	0.888705535	N	0	N
AC096664.2	0.888705535	N	0	N
AC107021.1	0.888705535	N	0	N
AC110792.4	0.888705535	N	0	N
AC124276.1	0.888705535	N	0	N
AC133919.1	0.888705535	N	0	N
AC137630.4	0.888705535	N	0	N
AF274858.3	0.888705535	N	0	N
AJAP1	0.888705535	N	0	N
AK2	0.888705535	N	5	N
AL023802.1	0.888705535	N	0	N
AL033527.2	0.888705535	N	0	N
AL158147.2	0.888705535	N	0	N
AP001453.3	0.888705535	N	0	N
ATAT1	0.888705535	N	0	N
C11orf21	0.888705535	N	0	N
CHRD	0.888705535	N	1	N
CSGALNACT2	0.888705535	N	0	N
DCDC2B	0.888705535	N	0	N
DPH3	0.888705535	N	0	N
ENTPD1-AS1	0.888705535	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
FZD8	0.888705535	N	0	N
HCG15	0.888705535	N	0	N
HSPA13	0.888705535	N	0	N
INTS6-AS1	0.888705535	N	0	N
ITGA5	0.888705535	N	3	N
LRG1	0.888705535	N	6	N
LY9	0.888705535	N	2	N
MAN1A2P1	0.888705535	N	0	N
MSRA	0.888705535	N	8	N
NR3C2	0.888705535	N	11	N
PDE6B	0.888705535	N	3	N
PFKP	0.888705535	N	3	N
PRKAR1B	0.888705535	N	0	N
RFPL4B	0.888705535	N	0	N
RN7SL558P	0.888705535	N	0	N
RN7SL751P	0.888705535	N	0	N
RTN4RL1	0.888705535	N	0	N
SDK1	0.888705535	N	1	N
SEMA3A	0.888705535	N	4	N
SLC50A1	0.888705535	N	1	N
SMC5	0.888705535	N	1	N
TERF1	0.888705535	N	1	N
TLR4	0.888705535	N	564	Y
TOR1A	0.888705535	N	0	N
TPM2	0.888705535	N	0	N
TRIM68	0.888705535	N	0	N
ZNF431	0.888705535	N	0	N
AL138752.2	0.888745977	N	0	N
RGPD4-AS1	0.888745977	N	0	N
ZIK1P1	0.888745977	N	0	N
AL359094.1	0.88887362	N	0	N
TTC5	0.88887362	N	0	N
ARHGEF10L	0.888987517	N	0	N
EYA3	0.888987517	N	0	N
GPM6B	0.888987517	N	0	N
SCRT1	0.888987517	N	0	N
USP48	0.888987517	N	0	N
ZNF45	0.888987517	N	0	N
ECI1	0.889013531	N	0	N
RNF24	0.889092553	N	1	N
SCARNA2	0.889092553	N	0	N
AC010999.2	0.889226754	N	0	N
AL023806.1	0.889226754	N	0	N
MPI	0.889226754	N	76	N
SLC52A1	0.889226754	N	0	N
SNORA71C	0.889226754	N	0	N
ABCB4	0.889606553	N	5	N
AC012100.3	0.889606553	N	0	N
AGAP11	0.889606553	N	0	N
AL161454.1	0.889606553	N	0	N
BCKDK	0.889606553	N	4	N
C2CD2	0.889606553	N	0	N
COX6CP1	0.889606553	N	0	N
DDX3P3	0.889606553	N	0	N
GOLGA8IP	0.889606553	N	0	N
IRS3P	0.889606553	N	22	N
KCTD3	0.889606553	N	0	N
PLCD1	0.889606553	N	4	N
PRRG4	0.889606553	N	1	N
RN7SKP281	0.889606553	N	0	N
SAMD14	0.889606553	N	0	N
SERPINB9	0.889606553	N	1	N
WBP11P1	0.889606553	N	0	N
WDPCP	0.889606553	N	0	N
ZNF217	0.889606553	N	2	N
AKTIP	0.889628732	N	3	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC090970.3	0.889669381	N	0	N
AL590762.3	0.889669381	N	0	N
SMLR1	0.889669381	N	0	N
AC012313.3	0.88971569	N	0	N
ACP2	0.88971569	N	3	N
ACSM3	0.88971569	N	4	N
AL590235.1	0.88971569	N	0	N
AL928654.1	0.88971569	N	0	N
BMP2	0.88971569	N	189	Y
CXCL16	0.88971569	N	12	N
FKBP15	0.88971569	N	0	N
HEY1	0.88971569	N	5	N
LINC00861	0.88971569	N	0	N
LINC01993	0.88971569	N	0	N
MCTS2P	0.88971569	N	0	N
NAA30	0.88971569	N	0	N
NBPF9	0.88971569	N	0	N
PCOLCE	0.88971569	N	6	N
ZNF536	0.88971569	N	0	N
CHST15	0.889764852	N	0	N
FAM174B	0.889764852	N	0	N
AP002770.1	0.889795648	N	0	N
CIAO1	0.889795648	N	0	N
DHDDS	0.889795648	N	0	N
MED8	0.889795648	N	0	N
NSUN5P2	0.889795648	N	0	N
PSMD3	0.889795648	N	1	N
TENM1	0.889795648	N	0	N
AC074019.1	0.889804492	N	0	N
AC009318.4	0.889867622	N	0	N
TTC30B	0.889867622	N	0	N
AC007875.3	0.889871764	N	0	N
RN7SL30P	0.889871764	N	0	N
AL355581.1	0.889964511	N	0	N
RPL10P9	0.889964511	N	0	N
TAPT1-AS1	0.889964511	N	0	N
ABL2	0.890191398	N	0	N
LINC00116	0.890191398	N	0	N
MAGEL2	0.890191398	N	4	N
PPM1M	0.890191398	N	0	N
SCAND3P1	0.890191398	N	0	N
Z98885.3	0.890191398	N	0	N
AP002360.4	0.890271371	N	0	N
PLA2G16	0.890271371	N	3	N
VGLL4	0.890271371	N	0	N
AC005258.1	0.890278294	N	0	N
DNHD1	0.890278294	N	0	N
NR5A2	0.890278294	N	22	N
GPR182	0.89036173	N	0	N
AC036108.3	0.890449466	N	0	N
ORAI2	0.890449466	N	2	N
PDLIM5	0.890449466	N	0	N
BHLHE22	0.890767963	N	3	N
GUSBP6	0.890767963	N	0	N
SMG1P4	0.890767963	N	0	N
MPZ	0.890976818	N	4	N
SEPT14	0.891229347	N	0	N
AARSD1	0.891229347	N	0	N
AC006449.2	0.891229347	N	0	N
AC012615.6	0.891229347	N	0	N
C9orf147	0.891229347	N	0	N
GATC	0.891229347	N	1	N
ZNF497	0.891229347	N	0	N
BTBD3	0.891239531	N	0	N
HES5	0.891239531	N	7	N
LRRC37A6P	0.891239531	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
RN7SKP30	0.891239531	N	0	N
B4GALNT1	0.891298132	N	1	N
AP4S1	0.891306698	N	0	N
LINC01239	0.891320678	N	0	N
AL158064.1	0.891349034	N	0	N
CASP1	0.891480169	N	9	N
RNF207	0.891492916	N	0	N
AJ239328.1	0.891525798	N	0	N
DBI	0.891525798	N	40	N
LINC01550	0.891525798	N	0	N
LSM14A	0.891525798	N	0	N
PDE1B	0.891525798	N	2	N
PLAUR	0.891525798	N	27	N
PRPF39	0.891525798	N	0	N
RANBP20P	0.891525798	N	0	N
SCARNA1	0.891525798	N	0	N
TRPV2	0.891525798	N	24	N
YBX1P1	0.891525798	N	0	N
CUEDC1	0.891563507	N	0	N
VASH2	0.891563507	N	1	N
IPMKP1	0.891647871	N	0	N
AL136295.3	0.891667779	N	0	N
CCDC59	0.891667779	N	0	N
FUT7	0.891667779	N	3	N
GCF2	0.891667779	N	3	N
IFIT5	0.891667779	N	0	N
AC016355.1	0.89167098	N	0	N
GZF1	0.89167098	N	0	N
LAMTOR1	0.89167098	N	2	N
LYSMD3	0.89167098	N	0	N
MAOB	0.89167098	N	7	N
PLXNA4	0.89167098	N	0	N
ZNF492	0.89167098	N	0	N
Metazoa_SRP	0.891707312	N	0	N
RBM22P2	0.891707312	N	0	N
USP9Y	0.891712397	N	1	N
ABHD15	0.891844486	N	3	N
AC005915.1	0.891844486	N	0	N
AP001330.1	0.891844486	N	0	N
NEMF	0.891844486	N	1	N
RPL36	0.891844486	N	0	N
SLC36A3	0.891844486	N	0	N
TNFRSF14	0.891844486	N	3	N
TRA2A	0.891844486	N	0	N
AC112503.2	0.892082331	N	0	N
CHORDC1	0.892082331	N	0	N
OSGIN1	0.892082331	N	2	N
AL354707.1	0.89240401	N	0	N
PATZ1	0.89240401	N	0	N
SENCR	0.89240401	N	0	N
ATP1A1	0.892417839	N	6	N
AC003002.4	0.89248573	N	0	N
C15orf56	0.89248573	N	0	N
C3orf18	0.89248573	N	0	N
CENPBD1P1	0.89248573	N	0	N
GDPD5	0.89248573	N	1	N
GIT1	0.89248573	N	0	N
HSPD1P4	0.89248573	N	0	N
LINC01179	0.89248573	N	0	N
SFTPD-AS1	0.89248573	N	0	N
AC009812.3	0.892573774	N	0	N
ANKMY1	0.892573774	N	0	N
HSPA1A	0.892573774	N	11	N
LINC01776	0.892573774	N	0	N
TMEM50B	0.892573774	N	0	N
VIM-AS1	0.892573774	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
MICE	0.892600237	N	1000	Y
LCLAT1	0.892623401	N	0	N
TAF9B	0.892623401	N	0	N
CRYZ	0.892672362	N	3	N
RN7SL328P	0.892687711	N	0	N
SLC22A3	0.892860931	N	7	N
AC005546.1	0.892891159	N	0	N
AL122125.1	0.892891159	N	0	N
EMC7	0.892891159	N	0	N
KCNV2	0.892891159	N	0	N
MRPL38	0.892891159	N	0	N
STRN	0.892891159	N	0	N
STXBP3	0.892891159	N	19	N
GTF2F2P1	0.893081484	N	0	N
AC091948.1	0.893094697	N	0	N
AP000350.7	0.893135375	N	0	N
TCF7	0.893135375	N	11	N
C9orf139	0.893274118	N	0	N
CTCFL	0.893311223	N	4	N
PNPLA6	0.893488121	N	1	N
SRP72P2	0.893488121	N	0	N
ACTC1	0.89348966	N	1	N
DCC	0.893601137	N	27	N
DIEXF	0.893601137	N	0	N
SLITRK5	0.893601137	N	1	N
U40455.1	0.893601137	N	0	N
ZNF681	0.893601137	N	0	N
DNAJC19	0.893849461	N	0	N
AC127502.1	0.89392821	N	0	N
ZRANB3	0.89392821	N	2	N
CEPT1	0.893936947	N	1	N
FDX1P1	0.893945867	N	0	N
TMEM218	0.893964326	N	0	N
AC096586.2	0.894231002	N	0	N
PAK3	0.894231002	N	1	N
TMEM258	0.894231002	N	0	N
TRIT1	0.894231002	N	0	N
LY96	0.89441621	N	5	N
RHBDL1	0.89441621	N	0	N
RPS2	0.894417923	N	0	N
AC080079.1	0.894447483	N	0	N
AC091144.2	0.894447483	N	0	N
ATXN2	0.894447483	N	6	N
C3orf52	0.894447483	N	0	N
DIDO1	0.894447483	N	0	N
HEPACAM	0.894447483	N	0	N
RFNG	0.894447483	N	0	N
RNASEH2B-AS1	0.894447483	N	0	N
RP11-206L10.3	0.894447483	N	0	N
STXBP1	0.894447483	N	18	N
TMEM115	0.894447483	N	0	N
TTL4	0.894447483	N	0	N
CTRC	0.894512482	N	4	N
LMO7DN	0.894550164	N	0	N
CLEC7A	0.894570977	N	0	N
AC078814.1	0.894650555	N	0	N
AL157400.4	0.894650555	N	0	N
PRPS1	0.894661975	N	2	N
ARIH2	0.894729005	N	0	N
AC007608.4	0.894764283	N	0	N
AL445649.1	0.894764283	N	0	N
FLYWCH1	0.894764283	N	0	N
SUGT1	0.894764283	N	0	N
ARHGEF17	0.894789144	N	0	N
RPS7	0.894789144	N	0	N
AC064801.2	0.894856629	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
MADD	0.894856629	N	14	N
GBGT1	0.894862336	N	0	N
PCDHB1	0.895094366	N	0	N
PTAR1	0.895094366	N	0	N
ZMYND8	0.895094366	N	0	N
AC004528.1	0.895261296	N	0	N
IKZF3	0.895267862	N	1	N
CCDC130	0.895321149	N	0	N
FAM221A	0.895343541	N	0	N
ABHD12	0.895489569	N	1	N
PIGV	0.895489569	N	1	N
PTPN22	0.895489569	N	80	N
ZNF843	0.895489569	N	0	N
ZNF90	0.895489569	N	0	N
AL133367.1	0.895588396	N	0	N
HLA-H	0.895588396	N	2	N
HMGB3P9	0.895588396	N	0	N
SNTB1	0.895588396	N	0	N
ZNF330	0.895588396	N	0	N
CARD8-AS1	0.895626735	N	0	N
CR382287.2	0.895736785	N	0	N
RAB13	0.895850048	N	8	N
RNF128	0.895899679	N	2	N
TMC3-AS1	0.895899679	N	0	N
AC006978.2	0.896072923	N	0	N
AC009065.8	0.896072923	N	0	N
AC009118.3	0.896072923	N	0	N
AC092171.2	0.896072923	N	0	N
RCBTB2P1	0.896072923	N	0	N
SEMA6D	0.896072923	N	0	N
RAB3D	0.896162212	N	8	N
AC007041.1	0.896177223	N	0	N
AL358472.2	0.896177223	N	0	N
COG8	0.896177223	N	0	N
FAM26E	0.896177223	N	0	N
LENG8-AS1	0.896177223	N	0	N
LSS	0.896177223	N	19	N
NECTIN3	0.896177223	N	0	N
NONOP2	0.896177223	N	0	N
SLC25A44	0.896177223	N	0	N
UBALD1	0.896177223	N	0	N
AC090197.1	0.896230162	N	0	N
FPGT	0.896230162	N	0	N
THOC2	0.896230162	N	0	N
AC091132.4	0.896295896	N	0	N
AL356020.1	0.896295896	N	0	N
AXL	0.896295896	N	38	N
DNAL4	0.896295896	N	0	N
FO393409.1	0.896295896	N	0	N
KLRA1P	0.896295896	N	0	N
MICU2	0.896295896	N	1	N
SPACA6	0.896295896	N	0	N
SPDYE3	0.896295896	N	0	N
TCP10	0.896295896	N	0	N
TNFRSF9	0.896295896	N	9	N
PPIA	0.896359186	N	11	N
TNFAIP6	0.896420373	N	8	N
C1QTNF7	0.896511648	N	0	N
FGFRL1	0.896511648	N	4	N
FZD1	0.896511648	N	4	N
NECAB3	0.896511648	N	0	N
SLC25A4	0.896511648	N	2	N
AC079922.2	0.896514305	N	0	N
B4GALNT3	0.896514305	N	0	N
PACS2	0.896514305	N	5	N
AC004846.2	0.89652523	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
CAVI	0.89652523	N	188	Y
RAX2	0.89652523	N	0	N
LCAT	0.89656633	N	93	N
NCKAP1	0.89656925	N	0	N
HSDL1	0.896589171	N	1	N
SPOCD1	0.896608108	N	0	N
AL121748.2	0.896799135	N	0	N
PRTG	0.896799135	N	0	N
KCNA5	0.896878037	N	5	N
RAB5CP2	0.896878037	N	0	N
AC010894.2	0.896958152	N	0	N
AL031058.1	0.896958152	N	0	N
ATG16L2	0.896958152	N	0	N
HAGHL	0.896958152	N	0	N
OR2A1-AS1	0.896958152	N	0	N
TSPOAP1-AS1	0.896958152	N	0	N
ZC3HAV1L	0.896958152	N	0	N
AL353801.3	0.89698415	N	0	N
AC073896.2	0.89725356	N	0	N
ARL9	0.89725356	N	0	N
NEU4	0.89725356	N	2	N
RPL23AP53	0.89725356	N	0	N
SETD1B	0.89725356	N	0	N
ZNF333	0.89725356	N	0	N
POLR3G	0.897398365	N	0	N
AC087294.1	0.897471632	N	0	N
BOD1L1	0.897471632	N	0	N
HADH	0.897471632	N	53	N
KIF2A	0.897471632	N	1	N
ERICH1	0.897484986	N	0	N
GAL3ST4	0.897484986	N	0	N
FAR2	0.897486879	N	1	N
PDE6D	0.897486879	N	1	N
AC136475.5	0.897649279	N	0	N
MAPK11	0.897649279	N	1	N
Z95114.3	0.897649279	N	0	N
AC008771.1	0.89786316	N	0	N
AC099329.2	0.89786316	N	0	N
DNAJC5B	0.89786316	N	0	N
SIM2	0.897890548	N	0	N
AL139089.1	0.897946186	N	0	N
RPS29	0.897946186	N	0	N
PANK1	0.897956666	N	3	N
PPA1	0.897956666	N	1	N
CMTM6	0.897957651	N	0	N
AC111000.4	0.898019219	N	0	N
AC136944.1	0.898019219	N	0	N
AL133279.3	0.898019219	N	0	N
AL359736.1	0.898019219	N	0	N
AL513475.2	0.898019219	N	0	N
AP005329.1	0.898019219	N	0	N
BIRC2	0.898019219	N	7	N
BX284613.1	0.898019219	N	0	N
CALM1P1	0.898019219	N	0	N
LINC01085	0.898019219	N	0	N
LRRC47	0.898019219	N	0	N
MYBBP1A	0.898019219	N	4	N
NME2P1	0.898019219	N	0	N
NOP14-AS1	0.898019219	N	0	N
PCED1B-AS1	0.898019219	N	0	N
PFDN1	0.898019219	N	0	N
PPP1R12A	0.898019219	N	15	N
RPL23P2	0.898019219	N	0	N
SLC29A3	0.898019219	N	18	N
TSSK4	0.898019219	N	0	N
ERCC2	0.898069767	N	6	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
MBOAT2	0.89807556	N	0	N
AC087257.1	0.898082539	N	0	N
TCEAL2	0.898142515	N	0	N
AC007614.6	0.898280591	N	0	N
AFDN	0.898280591	N	0	N
AL031594.1	0.898280591	N	0	N
ANK3	0.898280591	N	0	N
ATP5G2P4	0.898280591	N	0	N
C8orf58	0.898280591	N	0	N
CLNS1AP1	0.898280591	N	0	N
COP55	0.898280591	N	1	N
FLJ30679	0.898280591	N	0	N
GIGYF2	0.898280591	N	6	N
MCMD2C2	0.898280591	N	0	N
NDUFB7	0.898280591	N	2	N
PCAT19	0.898280591	N	0	N
PRELP	0.898280591	N	3	N
SENP8	0.898280591	N	0	N
SNX7	0.898280591	N	1	N
ZACN	0.898280591	N	0	N
NDP	0.898318624	N	23	N
STK10	0.898318624	N	0	N
AL645608.1	0.898338272	N	0	N
MMP25	0.898338272	N	0	N
TLDC1	0.898338272	N	0	N
KIAA1143	0.898366739	N	0	N
EDF1	0.898368766	N	1	N
AC009159.4	0.898473966	N	0	N
AC106795.2	0.898473966	N	0	N
GTF2H2	0.898473966	N	0	N
LINC01336	0.898473966	N	0	N
LRRC56	0.898473966	N	0	N
PARP4	0.898473966	N	0	N
PAX2	0.898473966	N	23	N
RP1-506.6	0.898473966	N	0	N
SDE2	0.898473966	N	0	N
TMEM168	0.898473966	N	0	N
UQCRQ	0.898473966	N	1	N
CEP162	0.898725288	N	0	N
ALG14	0.898751453	N	0	N
MFSD14B	0.898751453	N	0	N
SELENOT	0.898751453	N	1	N
AL049829.3	0.898885059	N	0	N
ZSCAN16-AS1	0.898885059	N	0	N
AC024257.3	0.89894784	N	0	N
AL365475.1	0.89894784	N	0	N
CHST10	0.89894784	N	0	N
LINC02175	0.89894784	N	0	N
DOC2B	0.898960045	N	16	N
TRIM62	0.898960045	N	0	N
TSPYL1	0.898960045	N	0	N
YIPF1	0.898960045	N	0	N
AC233280.1	0.898986237	N	0	N
NVL	0.898992506	N	2	N
STK4	0.898992506	N	5	N
MRPL19	0.898993841	N	0	N
NLGN2	0.898993841	N	2	N
RASGRP3	0.898993841	N	2	N
SRL	0.898993841	N	89	N
AC005332.7	0.899009996	N	0	N
AC022400.3	0.899009996	N	0	N
AL035587.1	0.899009996	N	0	N
AL355472.1	0.899009996	N	0	N
API5	0.899009996	N	2	N
NOS1AP	0.899009996	N	8	N
PEX16	0.899009996	N	1	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
PPP1CB	0.899009996	N	5	N
RN7SKP40	0.899009996	N	0	N
SDCBP2-AS1	0.899009996	N	0	N
TNFAIP3	0.899009996	N	25	N
TSPAN4	0.899009996	N	0	N
HSPA9P1	0.899023247	N	0	N
LIX1L	0.899023247	N	0	N
AC005539.1	0.899101943	N	0	N
ODF3B	0.899101943	N	1	N
AC098484.2	0.899216384	N	0	N
AC099791.1	0.899216384	N	0	N
RDH10	0.899216384	N	5	N
AC010547.5	0.899222482	N	0	N
AL117692.1	0.899222482	N	0	N
CDHR4	0.899222482	N	0	N
MCM3AP	0.899222482	N	0	N
SOX1	0.899222482	N	6	N
AC005332.1	0.899252675	N	0	N
AC009948.4	0.899275691	N	0	N
SRI	0.899275691	N	303	Y
TM4SF4	0.899275691	N	2	N
TMEM92-AS1	0.899275691	N	0	N
EIF3K	0.899299922	N	0	N
FOXG1	0.899299922	N	7	N
POMGNT1	0.899299922	N	0	N
RN7SL151P	0.899299922	N	0	N
TSNAXIP1	0.899299922	N	0	N
AC004466.2	0.899311789	N	0	N
LINC00884	0.899311789	N	0	N
ADAM22	0.899358601	N	2	N
FAM135B	0.899358601	N	0	N
FFAR4	0.899358601	N	95	N
PSMA6P1	0.899358601	N	0	N
TTC34	0.899358601	N	0	N
IGHG1	0.899380047	N	1	N
RAF1	0.899380047	N	39	N
AC022494.1	0.899409498	N	0	N
AKAP12	0.899409498	N	2	N
AL049636.1	0.899409498	N	0	N
AL136295.2	0.899409498	N	0	N
AL354696.2	0.899409498	N	0	N
FZD5	0.899409498	N	2	N
MAMLD1	0.899409498	N	1	N
MOB3A	0.899409498	N	0	N
MOG	0.899409498	N	23	N
POLR3GP1	0.899409498	N	0	N
RIPOR1	0.899409498	N	0	N
TMEFF1	0.899409498	N	1	N
FRMD4A	0.899495961	N	0	N
AC092143.4	0.899686139	N	0	N
AL731571.1	0.899686139	N	0	N
FAM120B	0.899686139	N	0	N
AC110373.1	0.899839712	N	0	N
NRBP1	0.899848763	N	0	N
NSUN6	0.899848763	N	0	N
CRNKL1	0.899850708	N	0	N
PNPLA2	0.899850708	N	105	Y
COL4A1	0.899881117	N	6	N
ZNF215	0.900073021	N	2	N
AC135048.4	0.90010884	N	0	N
MAVS	0.90010884	N	1	N
C15orf54	0.900156779	N	0	N
FAM210CP	0.90029252	N	0	N
LINC00683	0.90029252	N	0	N
ZNF813	0.90029252	N	0	N
AC011511.1	0.90031481	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
NBPF11	0.900364081	N	0	N
ALKBH7	0.900364779	N	0	N
AP002990.1	0.900364779	N	0	N
B3GAT2	0.900364779	N	0	N
CCDC184	0.900364779	N	0	N
CHCHD2	0.900364779	N	1	N
CPA4	0.900364779	N	2	N
NSRP1P1	0.900364779	N	0	N
VPS16	0.900364779	N	0	N
AL671277.2	0.900387376	N	0	N
AL158066.1	0.90042491	N	0	N
RAP1GAP	0.900538538	N	2	N
AL590666.3	0.900562752	N	0	N
INPP5J	0.900562752	N	0	N
ARRDC1	0.900677566	N	0	N
HCG25	0.900677566	N	0	N
KDELC1	0.900677566	N	0	N
MUT	0.900677566	N	55	N
CASC2	0.900729001	N	0	N
NRG4	0.900729001	N	18	N
RAPGEF1	0.900735651	N	3	N
AL358472.1	0.901092945	N	0	N
CSNK2A3	0.901092945	N	0	N
ATP8B1	0.901178874	N	5	N
RIMKLBP2	0.901186852	N	0	N
AC007541.1	0.901349207	N	0	N
AL591848.3	0.901349207	N	0	N
FAM177A1	0.901349207	N	0	N
GIN1	0.901349207	N	0	N
MBD6	0.901349207	N	0	N
THSD7A	0.901364341	N	1	N
CLOCK	0.901475977	N	529	Y
OCLN	0.901475977	N	26	N
GRTP1	0.901529257	N	0	N
EIF2S1	0.901590558	N	1	N
FAM47E-STBD1	0.901590558	N	0	N
RN7SKP16	0.901590558	N	0	N
IQCG	0.901626696	N	0	N
AC007390.2	0.901785209	N	0	N
CNDP2	0.901785209	N	1	N
DNAJA2	0.901785209	N	0	N
HOXA9	0.901785209	N	12	N
CEP350	0.901888076	N	0	N
AL353751.1	0.902030531	N	0	N
FAM72C	0.902030531	N	0	N
KLHDC7A	0.902030531	N	0	N
PCDH19	0.902030531	N	0	N
AC005154.3	0.902057732	N	0	N
AC005899.1	0.902057732	N	0	N
AC007066.1	0.902057732	N	0	N
AC007743.1	0.902057732	N	0	N
ACTG1P3	0.902057732	N	0	N
AL133517.1	0.902057732	N	0	N
BRAT1	0.902057732	N	0	N
CRTC2	0.902057732	N	94	N
CTD-2576F9.1	0.902057732	N	0	N
KPNA4	0.902057732	N	0	N
MHENCN	0.902057732	N	0	N
RP11-508N12.4	0.902057732	N	0	N
RPL4	0.902057732	N	0	N
SLC25A39P1	0.902057732	N	0	N
TRADD	0.902057732	N	5	N
FBXO40	0.902062892	N	3	N
METTL12	0.902062892	N	0	N
MFN1	0.902062892	N	31	N
RNF19A	0.902062892	N	1	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
ZNF783	0.902062892	N	0	N
AP000936.2	0.902080063	N	0	N
SREK1	0.902261499	N	0	N
AC009951.1	0.902329198	N	0	N
AC025574.1	0.902329198	N	0	N
AC087239.1	0.902329198	N	0	N
AC092612.1	0.902329198	N	0	N
AL359095.1	0.902329198	N	0	N
FO680682.1	0.902329198	N	0	N
HSPA2	0.902329198	N	2	N
METTL14	0.902329198	N	4	N
NIPA2	0.902329198	N	0	N
AC105760.2	0.902371414	N	0	N
AC013714.1	0.902526264	N	0	N
AC020978.8	0.902526264	N	0	N
AC026877.1	0.902526264	N	0	N
AC090502.2	0.902526264	N	0	N
AC092139.4	0.902526264	N	0	N
AC107308.1	0.902526264	N	0	N
AL354892.3	0.902526264	N	0	N
AL355916.1	0.902526264	N	0	N
AL627422.1	0.902526264	N	0	N
ANKDD1B	0.902526264	N	0	N
AP003080.1	0.902526264	N	0	N
BEND7	0.902526264	N	0	N
CABIN1	0.902526264	N	0	N
FICD	0.902526264	N	1	N
GDF10	0.902526264	N	3	N
MGAT4B	0.902526264	N	0	N
MMADHC	0.902526264	N	1	N
MTHFR	0.902526264	N	94	N
NUS1	0.902526264	N	0	N
OTUD6A	0.902526264	N	0	N
PRKD3	0.902526264	N	0	N
RPL3P3	0.902526264	N	0	N
TMEM147-AS1	0.902526264	N	0	N
ZNF649	0.902526264	N	0	N
NGFR	0.902720456	N	16	N
PPWD1	0.902720456	N	0	N
EXPH5	0.902814718	N	0	N
AC078991.1	0.903144986	N	0	N
MED31	0.903168807	N	0	N
RNF214	0.903225965	N	0	N
THAP12P3	0.903225965	N	0	N
AC233723.1	0.903250074	N	0	N
VPS37D	0.903267712	N	0	N
AC234782.2	0.903272352	N	0	N
ANKRD29	0.903272352	N	0	N
RORA-AS1	0.903321221	N	0	N
AC135983.2	0.903328417	N	0	N
AL356299.2	0.903328417	N	0	N
ATP6V1G3	0.903328417	N	0	N
HSPD1P1	0.903328417	N	0	N
LINC01586	0.903328417	N	0	N
PLAC8	0.903328417	N	2	N
RND1	0.903328417	N	1	N
RNF126P1	0.903328417	N	0	N
SLC15A3	0.903328417	N	0	N
ADH5P3	0.903471218	N	0	N
AL133338.1	0.903471218	N	0	N
AL442125.2	0.903471218	N	0	N
AP001453.1	0.903471218	N	0	N
AP002957.1	0.903471218	N	0	N
CEP290	0.903471218	N	0	N
EPHA6	0.903471218	N	1	N
FER1L6	0.903471218	N	0	N

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KCNJ16	0.903471218	N	1	N
LINC01778	0.903471218	N	0	N
MICAL3	0.903471218	N	1	N
VAT1L	0.903471218	N	0	N
ZNF639	0.903471218	N	0	N
AL138831.3	0.903489124	N	0	N
GPRC5A	0.90351825	N	0	N
AC012074.1	0.903608719	N	0	N
MLF2	0.903608719	N	0	N
POMT2	0.903608719	N	0	N
RHEBP1	0.903608719	N	0	N
XPO5	0.903608719	N	0	N
AL022322.2	0.903704095	N	0	N
C14orf105	0.903704095	N	0	N
LEKR1	0.903704095	N	2	N
PRKXP1	0.903704095	N	0	N
CYTH4	0.903718533	N	0	N
PAPD7	0.90373609	N	0	N
AL158050.1	0.903762706	N	0	N
CWC15	0.903762706	N	0	N
AC092658.1	0.903779281	N	0	N
AC114801.2	0.903779281	N	0	N
C15orf40	0.903779281	N	0	N
AC020907.2	0.90386122	N	0	N
CMTR1	0.90386122	N	0	N
DGKI	0.90386122	N	0	N
LRAT	0.90386122	N	3	N
PRR12	0.90386122	N	0	N
RBM46	0.90386122	N	0	N
SGMS1	0.90386122	N	5	N
MCL1	0.903885234	N	20	N
AC015920.1	0.903907526	N	0	N
PRDX1	0.904008663	N	12	N
AC016747.3	0.904120199	N	0	N
SEMA6B	0.904120199	N	0	N
CSPG4P10	0.904235601	N	0	N
P2RX5-TAX1BP3	0.904235601	N	0	N
TMEM132A	0.904235601	N	0	N
PLA2G4F	0.904274398	N	0	N
ANKRD44	0.90427582	N	0	N
SEPT7P2	0.90427582	N	0	N
AL450326.1	0.904360523	N	0	N
AC048341.3	0.904388919	N	0	N
ATP1B2	0.904388919	N	1	N
BOLA3P2	0.904388919	N	0	N
TIMM17A	0.904388919	N	0	N
AC114928.1	0.904458558	N	0	N
SEMA6A-AS1	0.904458558	N	0	N
PPARD	0.904475737	N	51	N
AC073082.1	0.904583073	N	0	N
GNL3LP1	0.904583073	N	0	N
RBM48	0.904583073	N	0	N
RBMS2P1	0.904583073	N	0	N
TPTE	0.904583073	N	2	N
LTBP1	0.90468122	N	3	N
AL391825.1	0.904817976	N	0	N
AC025678.3	0.905051436	N	0	N
LINC00574	0.90512223	N	0	N
CPT1B	0.90512545	N	73	N
EEF1A1P25	0.90512545	N	0	N
FGF12	0.90512545	N	1	N
KLC2	0.90512545	N	1	N
RPS6	0.90512545	N	90	N
ST6GALNAC4	0.90512545	N	0	N
KCNG2	0.905476589	N	0	N
SDHCP3	0.905476589	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
CNOT6LP1	0.905505113	N	0	N
AC025198.1	0.905538584	N	0	N
AC091812.2	0.905538584	N	0	N
AC234783.1	0.905538584	N	0	N
AL049840.4	0.905538584	N	0	N
AL356488.2	0.905538584	N	0	N
EIF2AK1	0.905538584	N	5	N
KIF13B	0.905538584	N	0	N
POU3F3	0.905538584	N	0	N
UBOX5	0.905538584	N	0	N
VOPP1	0.905538584	N	0	N
FBXL5	0.905607158	N	0	N
AC104561.2	0.905608992	N	0	N
AGAP1-IT1	0.905608992	N	0	N
AMD1P4	0.905608992	N	0	N
AP003716.1	0.905608992	N	0	N
ZBTB24	0.905608992	N	0	N
KRT18P4	0.905620335	N	0	N
PRSS27	0.905763636	N	0	N
RN7SKP80	0.905763636	N	0	N
RP3-341O5.3	0.905763636	N	0	N
SWSAP1	0.905763636	N	0	N
AC015969.1	0.905841961	N	0	N
PPP3CA	0.906008465	N	5	N
LINC00893	0.906029863	N	0	N
ANP32AP1	0.9060429	N	0	N
QRSL1P1	0.9060429	N	0	N
ALDOAP1	0.906121135	N	0	N
AC025048.6	0.906157587	N	0	N
DPP3	0.906200107	N	0	N
SKI	0.906273036	N	39	N
AC018754.1	0.906508739	N	0	N
RPRML	0.906508739	N	0	N
MLH3	0.906589777	N	1	N
ABHD8	0.90703389	N	0	N
DLGAP1	0.90703389	N	0	N
LINC02453	0.90703389	N	0	N
AGKP1	0.907063633	N	0	N
ASAH2B	0.907063633	N	0	N
RALGPS2	0.907063633	N	1	N
MT1XP1	0.907120234	N	0	N
AC104619.4	0.907133932	N	0	N
AC111000.5	0.907133932	N	0	N
ALPK3	0.907133932	N	0	N
GLRXP2	0.907133932	N	0	N
LRRC57	0.907133932	N	0	N
MAFTRR	0.907133932	N	0	N
NELL2	0.907133932	N	1	N
PRKAR1AP1	0.907133932	N	0	N
RIOK1	0.907133932	N	0	N
RN7SL644P	0.907133932	N	0	N
RPLP0P2	0.907133932	N	0	N
TMED9	0.907133932	N	1	N
UBA3	0.907133932	N	1	N
USP45	0.907133932	N	2	N
VILL	0.907133932	N	1	N
ZRSR2	0.907133932	N	0	N
AC010618.1	0.907182019	N	0	N
AC053513.1	0.907182019	N	0	N
AC124276.1	0.907182019	N	0	N
AC138393.1	0.907182019	N	0	N
AL358781.1	0.907182019	N	0	N
EIF2S2	0.907182019	N	1	N
FRMPD4	0.907182019	N	0	N
GABRG3	0.907182019	N	0	N
GNG11	0.907182019	N	1	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
HDAC2	0.907182019	N	23	N
MAP4K4	0.907182019	N	21	N
NXPE1	0.907182019	N	1	N
RPL37A	0.907182019	N	0	N
SNHG8	0.907182019	N	0	N
TAS2R31	0.907182019	N	0	N
ZNRD1ASP	0.907182019	N	0	N
IFIT1P1	0.907222428	N	0	N
NR1H3	0.907235353	N	106	Y
AC079949.2	0.907236681	N	0	N
C2orf82	0.907236681	N	0	N
ZNF121	0.907236681	N	0	N
ABHD1	0.907277182	N	0	N
AC011447.3	0.907277182	N	0	N
ATP11C	0.907277182	N	0	N
ATP1B4	0.907277182	N	0	N
FAM92B	0.907277182	N	0	N
LRCH2	0.907277182	N	0	N
OR5P1P	0.907277182	N	0	N
PRR23C	0.907277182	N	0	N
SEPT7P6	0.907277182	N	0	N
SLU7	0.907277182	N	0	N
TAF4B	0.907277182	N	1	N
AC020893.2	0.907290728	N	0	N
AC034114.1	0.907290728	N	0	N
AC083964.2	0.907290728	N	0	N
AC124891.1	0.907290728	N	0	N
AMZ2	0.907290728	N	0	N
BTBD10P2	0.907290728	N	0	N
COPS8	0.907290728	N	0	N
DET1	0.907290728	N	0	N
DOCK9	0.907290728	N	1	N
GADD45A	0.907290728	N	18	N
NUDT4	0.907290728	N	0	N
PGS1	0.907290728	N	1	N
STK4-AS1	0.907290728	N	0	N
TCEA1P2	0.907290728	N	0	N
AL161756.1	0.907349136	N	0	N
AL606490.5	0.907349136	N	0	N
BLOC1S3	0.907485701	N	0	N
PLEKHG2	0.907485701	N	0	N
POLR3H	0.907485701	N	0	N
AC009336.3	0.907508158	N	0	N
AC083899.2	0.907508158	N	0	N
AC145350.2	0.907508158	N	0	N
CFAP74	0.907508158	N	0	N
LYPLA2P1	0.907508158	N	0	N
MEIS1	0.907508158	N	3	N
PDCL3P4	0.907530225	N	0	N
RPL24	0.907530225	N	0	N
TADA2B	0.907588531	N	0	N
WASHC1	0.907588531	N	0	N
SEPT10	0.907647406	N	0	N
AC008163.1	0.907647406	N	0	N
AC114755.1	0.907647406	N	0	N
AC116651.1	0.907647406	N	0	N
AL158152.1	0.907647406	N	0	N
AP003969.2	0.907647406	N	0	N
C8G	0.907647406	N	0	N
KCTD4	0.907647406	N	0	N
LMO4	0.907647406	N	5	N
RAP1A	0.907647406	N	5	N
RING1	0.907647406	N	2	N
RPL7	0.907647406	N	1	N
OR7E38P	0.907681635	N	0	N
AL137058.2	0.907719161	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AL390726.3	0.907719161	N	0	N
NIFKP3	0.907719161	N	0	N
SPTBN5	0.907719161	N	0	N
SOX21-AS1	0.907797518	N	0	N
AC009962.1	0.90784297	N	0	N
SFXN4	0.90784297	N	0	N
AP000526.1	0.907855214	N	0	N
BHMT2	0.907957213	N	1	N
CNOT3	0.907993048	N	3	N
INTS1	0.908033145	N	0	N
KRT8P50	0.908033145	N	0	N
RGMB-AS1	0.908033145	N	1	N
RHBDD3	0.908033145	N	0	N
AIMP1P2	0.908101237	N	0	N
ADAMTS9-AS1	0.908291406	N	0	N
CSNK1G2P1	0.908360825	N	0	N
SLC27A3	0.908378733	N	3	N
CSPG4P11	0.90838385	N	0	N
ENGASE	0.908422361	N	0	N
LETM1	0.908422361	N	8	N
VIPR2	0.908422361	N	31	N
PLS3-AS1	0.908489269	N	0	N
AC004492.1	0.908541546	N	0	N
AC026403.1	0.908541546	N	0	N
AC079447.1	0.908541546	N	0	N
AP003068.2	0.908541546	N	0	N
CPN2	0.908541546	N	0	N
FAM27E3	0.908541546	N	0	N
GNL3L	0.908541546	N	0	N
LRRC28	0.908541546	N	0	N
PCAT18	0.908541546	N	0	N
PDCD6	0.908541546	N	0	N
PDK1	0.908541546	N	286	Y
PTGER4P2-CDK2AP2P2	0.908541546	N	0	N
RAD51-AS1	0.908541546	N	0	N
RASSF7	0.908541546	N	0	N
SBNO1	0.908541546	N	0	N
SGTA	0.908541546	N	1	N
SRD5A3	0.908541546	N	0	N
TRIM52	0.908541546	N	0	N
ZDHHC18	0.908541546	N	0	N
ZIC2	0.908541546	N	2	N
TRIM37	0.908611673	N	3	N
LINC01876	0.908675229	N	0	N
AC084346.2	0.908709541	N	0	N
AC091170.1	0.908709541	N	0	N
AL139423.1	0.908709541	N	0	N
C10orf111	0.908709541	N	0	N
KIAA1107	0.908709541	N	0	N
KIAA1755	0.908709541	N	0	N
LMF2	0.908709541	N	0	N
ZNF580	0.908709541	N	0	N
AC003072.1	0.908726254	N	0	N
TUBB1	0.908726254	N	1	N
S1PR4	0.909045768	N	1	N
AC087164.1	0.909117334	N	0	N
CDYL2	0.909117334	N	0	N
HTD2	0.909117334	N	0	N
MIDN	0.909117334	N	0	N
MPP5	0.909117334	N	1	N
TMTC3	0.909117334	N	0	N
TOGARAM2	0.909117334	N	0	N
uc_338	0.909117334	N	0	N
ZNF546	0.909117334	N	0	N
AC018797.3	0.909151098	N	0	N
AL049830.1	0.909151098	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
TOX	0.909237923	N	27	N
CEACAM1	0.909411627	N	53	N
DISP3	0.909437177	N	0	N
AC138356.1	0.909681248	N	0	N
C1GALTIC1	0.909681248	N	0	N
KIF5A	0.909681248	N	0	N
PGAM1P6	0.909681248	N	0	N
TMEM87A	0.909681248	N	0	N
TNNC1	0.909681248	N	2	N
AC022400.6	0.909692786	N	0	N
AL358176.4	0.909692786	N	0	N
AL512652.1	0.909692786	N	0	N
CHTOP	0.909692786	N	0	N
DUXAP10	0.909692786	N	0	N
HES2	0.909692786	N	1	N
JUNB	0.909692786	N	44	N
Metazoa_SRP	0.909692786	N	0	N
MTA1	0.909692786	N	4	N
RNF44	0.909692786	N	0	N
SLC22A17	0.909692786	N	0	N
TGFBI	0.909692786	N	7	N
ZNF324	0.909692786	N	0	N
ZNF483	0.909692786	N	0	N
AC005831.1	0.909732647	N	0	N
MLIP	0.909836682	N	0	N
FBXL12	0.909863597	N	0	N
AL512378.1	0.909876673	N	0	N
AC008395.1	0.910020755	N	0	N
CLK2P1	0.910020755	N	0	N
CNTNAP3	0.910020755	N	0	N
ABHD14A-ACY1	0.910045669	N	0	N
AL391834.1	0.910045669	N	0	N
AC004241.4	0.910086112	N	0	N
AC027307.3	0.910086112	N	0	N
ELAVL3	0.910086112	N	2	N
LDOC1	0.910086112	N	1	N
ZSCAN20	0.910128203	N	0	N
AP4M1	0.910404512	N	0	N
CLUAP1	0.910404512	N	1	N
CNN1	0.910404512	N	0	N
HYMAI	0.910404512	N	9	N
IP6K2	0.910404512	N	2	N
ZFAND6	0.910404512	N	2	N
AC005537.1	0.910409656	N	0	N
LSM12P1	0.910479638	N	0	N
AC145207.9	0.910638418	N	0	N
AC106779.1	0.910786837	N	0	N
ANKRD19P	0.910786837	N	0	N
CORO1B	0.910786837	N	0	N
KLRG1	0.910786837	N	26	N
NPL	0.910786837	N	36	N
RP11-58E21.4	0.910786837	N	0	N
DLG5-AS1	0.910961399	N	0	N
DENND2D	0.911110223	N	0	N
ENTPD8	0.911110223	N	0	N
AC010401.2	0.911190298	N	0	N
AC124283.3	0.911190298	N	0	N
ACTG1	0.911190298	N	0	N
AF129408.1	0.911190298	N	0	N
AL022323.4	0.911190298	N	0	N
AL162595.1	0.911190298	N	0	N
BRF2	0.911190298	N	1	N
C6orf132	0.911190298	N	0	N
MTCH1	0.911190298	N	0	N
PDE8A	0.911190298	N	5	N
PSG8-AS1	0.911190298	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
RELA	0.911190298	N	206	Y
RPL14	0.911190298	N	0	N
RSF1-IT1	0.911190298	N	0	N
AL049842.1	0.911233441	N	0	N
SMIM11A	0.911280866	N	0	N
CGRRF1	0.911333527	N	1	N
DAPK3	0.911355564	N	2	N
EMSY	0.911373318	N	0	N
RN7SL38P	0.911373318	N	0	N
RPS24	0.911432886	N	0	N
AC002310.3	0.911511443	N	0	N
AC005351.1	0.911511443	N	0	N
AC092490.1	0.911511443	N	0	N
AL023495.1	0.911511443	N	0	N
CD47	0.911511443	N	23	N
CRKL	0.911511443	N	11	N
GYG1	0.911511443	N	3	N
INAVA	0.911511443	N	0	N
INCA1	0.911511443	N	0	N
INVS	0.911511443	N	4	N
IZUMO4	0.911511443	N	0	N
LINC01134	0.911511443	N	0	N
SP2-AS1	0.911511443	N	0	N
SRGAP2B	0.911511443	N	0	N
AC027279.4	0.911542677	N	0	N
ALDOC	0.911542677	N	1	N
OLA1P1	0.911610917	N	0	N
ZCCHC4	0.911685436	N	0	N
DSC1	0.91179346	N	0	N
EMILIN1	0.91179346	N	0	N
LIN7A	0.91179346	N	2	N
PC	0.91179346	N	1000	Y
RELL2	0.911818483	N	0	N
AC010997.3	0.911838263	N	0	N
AC013549.3	0.911838263	N	0	N
AC036164.1	0.911838263	N	0	N
AC067852.4	0.911838263	N	0	N
AC090079.1	0.911838263	N	0	N
AC096586.1	0.911838263	N	0	N
ADAM1B	0.911838263	N	0	N
AL158825.2	0.911838263	N	0	N
AP002812.5	0.911838263	N	0	N
DBH-AS1	0.911838263	N	0	N
DPY19L4	0.911838263	N	0	N
IRAK2	0.911838263	N	19	N
LIMS2	0.911838263	N	1	N
MAPK6PS3	0.911838263	N	0	N
SCARNA9	0.911838263	N	0	N
SUCLG2P2	0.911838263	N	0	N
SYN1	0.911838263	N	4	N
TNFRSF4	0.911838263	N	6	N
ZNF213	0.911838263	N	0	N
ZNF879	0.911838263	N	0	N
AC087289.3	0.912002322	N	0	N
FAM186B	0.912002322	N	0	N
LIN7C	0.912002322	N	1	N
NANP	0.912002322	N	4	N
LAPTM4B	0.912006689	N	1	N
AL606530.1	0.912084228	N	0	N
RPS15AP38	0.912084228	N	0	N
AC102953.2	0.912156063	N	0	N
CNNM3	0.912159477	N	1	N
ZNF569	0.912159477	N	0	N
MAPK7	0.912165287	N	3	N
AC127496.1	0.912311321	N	0	N
UBA6	0.912314528	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC073508.3	0.912418395	N	0	N
AC087501.5	0.912418395	N	0	N
COX6CP15	0.912418395	N	0	N
FAM131C	0.912504176	N	0	N
PHF21B	0.912516799	N	0	N
SEMA3B	0.912813848	N	1	N
TMPRSS12	0.912813848	N	0	N
AL353803.1	0.912835699	N	0	N
FUT6	0.912835699	N	0	N
AL355001.2	0.912849694	N	0	N
AL662791.2	0.912849694	N	0	N
LINC00517	0.912849694	N	0	N
MPPE1	0.912849694	N	0	N
SLIT3	0.912849694	N	3	N
TNRC18P1	0.912849694	N	0	N
KLHL18	0.912850296	N	0	N
CLUHP6	0.912885575	N	0	N
INO80	0.912903065	N	1	N
C12orf73	0.912992534	N	0	N
DBNDD2	0.912992534	N	0	N
AC005089.1	0.913093307	N	0	N
ARL5AP4	0.913166232	N	0	N
EXOG	0.913169821	N	1	N
KRT7	0.913169821	N	12	N
LINC02018	0.913169821	N	0	N
RGS6	0.913169821	N	4	N
SLC5A5	0.913169821	N	1	N
AP000568.1	0.913219995	N	0	N
FBXW4P1	0.913376327	N	0	N
LRRC37A7P	0.913376327	N	0	N
HLA-F	0.91339588	N	5	N
SLC22A23	0.91339588	N	0	N
ARF6	0.913425641	N	34	N
ACSS3	0.913431162	N	1	N
IGSF3	0.913431162	N	0	N
RRN3P1	0.913439158	N	0	N
FOXL2	0.913674476	N	10	N
AC005224.3	0.913794419	N	0	N
CRMP1	0.913794419	N	2	N
AC005082.1	0.914057281	N	0	N
AF038458.1	0.914057281	N	0	N
PSMA1	0.914143914	N	1	N
AC009093.2	0.914168995	N	0	N
AC078899.1	0.914168995	N	0	N
AC123912.5	0.914168995	N	0	N
GIPC1	0.914168995	N	12	N
PLCG1	0.914168995	N	5	N
TBCE	0.914168995	N	0	N
TRAPPC8	0.914168995	N	0	N
Z95114.4	0.914168995	N	0	N
ZSCAN12P1	0.914168995	N	0	N
C11orf45	0.914281615	N	0	N
CCR7	0.914281615	N	32	N
DGCR6L	0.914281615	N	0	N
OAZ3	0.914314515	N	0	N
AL031772.1	0.91453943	N	0	N
CCDC157	0.91453943	N	0	N
CENPBD1	0.91453943	N	0	N
DSG2	0.91453943	N	4	N
SH2D4A	0.91453943	N	0	N
AC060766.5	0.914555292	N	0	N
DDX21	0.914555292	N	0	N
PDHB	0.914555292	N	9	N
AKAP2	0.914585397	N	1	N
AL355596.1	0.914585397	N	0	N
ALG1L15P	0.914585397	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AMER2	0.914585397	N	0	N
ANXA7	0.914585397	N	4	N
COX10	0.914585397	N	3	N
ESR2	0.914585397	N	43	N
MCM9	0.914585397	N	0	N
SLC3A1	0.914585397	N	0	N
AC136632.1	0.914600223	N	0	N
AC027237.3	0.914648125	N	0	N
AL031666.3	0.914648125	N	0	N
AL353743.3	0.914648125	N	0	N
IRX5	0.914648125	N	1	N
PMCHL2	0.914648125	N	0	N
AC009927.1	0.914666267	N	0	N
PPP1R13L	0.914671263	N	0	N
UPB1	0.914671263	N	0	N
IQCB1	0.914687513	N	0	N
PNKDP1	0.914736288	N	0	N
PRRT1	0.914736288	N	0	N
SLC45A3	0.914736288	N	2	N
CTR9	0.914813075	N	0	N
FYB1	0.914813075	N	0	N
PAN3-AS1	0.914813075	N	0	N
NDUFAF4	0.914820261	N	0	N
PTPRD-AS1	0.914820261	N	0	N
AC005840.2	0.914875697	N	0	N
KCNJ8	0.914900171	N	4	N
AC106820.4	0.915054782	N	0	N
AC123769.1	0.915054782	N	0	N
GUK1	0.915054782	N	0	N
ZNF433	0.915077285	N	0	N
SEPHS2	0.915101345	N	0	N
AC044849.1	0.915212545	N	0	N
AC080011.1	0.915212545	N	0	N
HCLS1	0.91523753	N	0	N
MST1R	0.91523753	N	2	N
AMER3	0.915277423	N	0	N
DNAH6	0.915277423	N	0	N
NAP1L1P3	0.915382803	N	0	N
RPL3P7	0.915382803	N	0	N
NDUFAF7	0.915433689	N	0	N
SLC12A8	0.915577706	N	0	N
CSGALNACT1	0.915596247	N	0	N
RP11-427J23.1	0.915739173	N	0	N
SLCO5A1	0.915739173	N	1	N
SRF	0.915739173	N	70	N
TMEM35A	0.915739173	N	0	N
TRMT13	0.915739173	N	0	N
ABHD14A	0.915751629	N	0	N
AC021106.1	0.915897575	N	0	N
FAM155A-IT1	0.916097582	N	0	N
IPO4	0.916097582	N	0	N
KCNA7	0.916097582	N	1	N
MFSD9	0.916097582	N	1	N
MRNIP	0.916097582	N	0	N
SMYD2	0.916097582	N	0	N
TMEM50A	0.916097582	N	0	N
Z69733.1	0.916097582	N	0	N
CNGB1	0.916101313	N	1	N
DBIL5P2	0.916205224	N	0	N
PRRG2	0.916205224	N	0	N
CU634019.6	0.916378325	N	0	N
FAM86JP	0.916378325	N	0	N
AL358334.2	0.916391893	N	0	N
NTF3	0.916391893	N	5	N
ANXA2P2	0.916409637	N	0	N
SLC27A2	0.916409637	N	10	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
SPATA25	0.91642928	N	0	N
AC020558.3	0.91644241	N	0	N
AC090819.1	0.91644241	N	0	N
ACTBP2	0.91644241	N	0	N
AFAP1-AS1	0.91644241	N	0	N
AL121790.1	0.91644241	N	0	N
AL353597.3	0.91644241	N	0	N
AL356750.1	0.91644241	N	0	N
ATL3	0.91644241	N	0	N
ATP5HP4	0.91644241	N	0	N
B3GAT1	0.91644241	N	0	N
CD79B	0.91644241	N	4	N
CDS1	0.91644241	N	1	N
EAF1-AS1	0.91644241	N	0	N
FBXO18	0.91644241	N	0	N
GUCY1A2	0.91644241	N	0	N
IL11	0.91644241	N	42	N
LINC00205	0.91644241	N	0	N
LINC01106	0.91644241	N	0	N
LINC02080	0.91644241	N	0	N
LSM1P1	0.91644241	N	0	N
MAP2K3	0.91644241	N	6	N
NDUFB2	0.91644241	N	0	N
PPP1R14A	0.91644241	N	1	N
RLF	0.91644241	N	67	N
RPL26	0.91644241	N	0	N
SCARNA22	0.91644241	N	0	N
SERPINA10	0.91644241	N	0	N
ST3GAL4	0.91644241	N	2	N
SUCLA2P1	0.91644241	N	0	N
TEF	0.91644241	N	55	N
TMPRSS4	0.91644241	N	0	N
TPRG1LP1	0.91644241	N	0	N
TRABD2B	0.91644241	N	0	N
TSPY26P	0.91644241	N	0	N
VWA5B2	0.91644241	N	0	N
ZDHHC1	0.91644241	N	0	N
ABCD1	0.916453888	N	1	N
AC091133.4	0.916453888	N	0	N
AL157394.1	0.916453888	N	0	N
C16orf45	0.916453888	N	0	N
CLEC4A	0.916453888	N	0	N
IL18R1	0.916453888	N	3	N
KHNYN	0.916453888	N	0	N
Metazoa_SRP	0.916453888	N	0	N
NACAP2	0.916453888	N	0	N
NEXN-AS1	0.916453888	N	0	N
PCAT1	0.916453888	N	0	N
RPL11P3	0.916453888	N	0	N
SIRPG-AS1	0.916453888	N	0	N
ST8SIA3	0.916453888	N	0	N
TADA3	0.916453888	N	0	N
TDRD9	0.916453888	N	0	N
AC007431.3	0.916663518	N	0	N
AC120042.1	0.916663518	N	0	N
EMC2	0.916663518	N	0	N
FKBP11	0.916663518	N	3	N
PDS5A	0.916663518	N	0	N
AC133065.2	0.916681435	N	0	N
AL359715.3	0.916681435	N	0	N
FASTKD1	0.916681435	N	0	N
PCDHB9	0.916681435	N	0	N
PKP3	0.916681435	N	0	N
TESK1	0.916681435	N	1	N
AC090155.1	0.916731375	N	0	N
ANOS1	0.916897704	N	3	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
LYPD3	0.916963776	N	0	N
AC092053.1	0.916996334	N	0	N
DZIP3	0.916996334	N	0	N
KLF7P1	0.916996334	N	0	N
MED16	0.916996334	N	0	N
MTMR14	0.916996334	N	2	N
PTPDC1	0.917035813	N	0	N
AL137026.1	0.917045847	N	0	N
CUX2	0.917045847	N	0	N
FUT9	0.917045847	N	0	N
LTB4R2	0.917045847	N	1	N
PADI4	0.917045847	N	4	N
ZNF318	0.917161942	N	0	N
EEF1B2	0.917165874	N	0	N
FGF1	0.917175367	N	177	Y
SHH	0.917309855	N	133	Y
ZNF730	0.917454388	N	0	N
AC034205.1	0.91754208	N	0	N
AC110491.1	0.91754208	N	0	N
MDC1	0.91754208	N	2	N
NOC3L	0.91754208	N	2	N
NPM1P51	0.91754208	N	0	N
AL139317.3	0.917611399	N	0	N
LSM14B	0.917611399	N	1	N
PDCD11	0.917611399	N	1	N
AL160286.2	0.917623861	N	0	N
TTBK1	0.917644154	N	0	N
GDI1	0.917654186	N	0	N
AC093899.2	0.917661722	N	0	N
DPPA4	0.917862008	N	1	N
C1orf50	0.918141283	N	0	N
FKTN	0.918141283	N	0	N
AC134312.5	0.918204245	N	0	N
GRB2	0.918204245	N	372	Y
AC079834.2	0.918209575	N	0	N
AC100858.1	0.918209575	N	0	N
AC100821.2	0.918221096	N	0	N
ZC3H12C	0.918221096	N	0	N
AC010401.3	0.918260712	N	0	N
BR13	0.918260712	N	0	N
chr22-38_28785274-29006793.1	0.918260712	N	0	N
CMTM1	0.918260712	N	0	N
GPR37L1	0.918260712	N	0	N
LLGL2	0.918260712	N	0	N
STPG4	0.918260712	N	0	N
AC013726.1	0.918366262	N	0	N
AC024220.1	0.918366262	N	0	N
AC145285.2	0.918366262	N	0	N
AL354740.1	0.918366262	N	0	N
AL390728.6	0.918366262	N	0	N
EXOC3L4	0.918366262	N	0	N
GLCCI1	0.918366262	N	0	N
LINC00865	0.918366262	N	0	N
MYL6P3	0.918366262	N	0	N
RPS14	0.918366262	N	1	N
SDF4	0.918366262	N	1	N
SPN	0.918366262	N	13	N
ZNF623	0.918366262	N	0	N
PCBP2-OT1	0.918585181	N	0	N
AC005954.2	0.918605743	N	0	N
AC023090.2	0.91864003	N	0	N
DGCR5	0.918656168	N	0	N
GTF2F2	0.918688039	N	0	N
PKP2	0.918688039	N	1	N
UNCX	0.918688039	N	0	N
FAM74A6	0.918728361	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
LDHAP2	0.918728361	N	0	N
MFSD7	0.918728361	N	0	N
ZBTB7A	0.918930944	N	3	N
AC004771.3	0.918970071	N	0	N
AC009065.1	0.918970071	N	0	N
AC083973.1	0.918970071	N	0	N
AL121603.2	0.918970071	N	0	N
AL512383.1	0.918970071	N	0	N
EIF4EBP1	0.918970071	N	244	Y
FCRL2	0.918970071	N	0	N
KIAA0391	0.918970071	N	0	N
KLK15	0.918970071	N	1	N
LINC01481	0.918970071	N	0	N
PAG1	0.918970071	N	5	N
PPOX	0.918970071	N	0	N
RPS13P2	0.918970071	N	0	N
AC097063.1	0.918971158	N	0	N
AL391988.1	0.918971158	N	0	N
ANKRD16	0.918971158	N	0	N
CALM1P2	0.918971158	N	0	N
FASTK	0.918971158	N	0	N
LARP4	0.918971158	N	0	N
OSBPL6	0.918971158	N	0	N
RNF20	0.918971158	N	2	N
SYNGR3	0.918971158	N	0	N
UNC5CL	0.918971158	N	0	N
WDYHV1	0.918971158	N	0	N
Z99774.1	0.918971158	N	0	N
AC092803.2	0.919015068	N	0	N
AGPS	0.919015068	N	1	N
EFNA3	0.919015068	N	1	N
FBXW9	0.919015068	N	0	N
VPS33A	0.919015068	N	0	N
AC096543.1	0.919044138	N	0	N
AP002761.1	0.919044138	N	0	N
PBX2P1	0.919044138	N	0	N
AC010136.1	0.919105932	N	0	N
AL671277.1	0.919105932	N	0	N
DAAM2	0.919105932	N	0	N
AC023908.3	0.919199158	N	0	N
AC099489.3	0.919199158	N	0	N
E2F3P1	0.919199158	N	0	N
PPM1D	0.919199158	N	3	N
SDHCP2	0.919199158	N	0	N
SIDT1	0.919199158	N	0	N
ZNF282	0.919199158	N	0	N
AC112778.1	0.919246542	N	0	N
AC120114.2	0.919246542	N	0	N
AC129502.1	0.919246542	N	0	N
AL645922.1	0.919246542	N	0	N
CDH26	0.919246542	N	0	N
TERF2	0.919246542	N	0	N
ZBED5	0.919246542	N	0	N
AL133480.2	0.919289557	N	0	N
ATP6V1D	0.919289557	N	0	N
CTNNA2	0.919289557	N	1	N
SNX21	0.919289557	N	0	N
UXT-AS1	0.919289557	N	0	N
AC008915.1	0.919326312	N	0	N
AC010867.1	0.919326312	N	0	N
AC011700.1	0.919326312	N	0	N
AC018644.1	0.919326312	N	0	N
AC018755.3	0.919326312	N	0	N
AC021087.2	0.919326312	N	0	N
AC027796.3	0.919326312	N	0	N
AC037486.1	0.919326312	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC093909.6	0.919326312	N	0	N
AC110769.2	0.919326312	N	0	N
AC114811.2	0.919326312	N	0	N
AC132938.2	0.919326312	N	0	N
AL132642.2	0.919326312	N	0	N
AL731556.1	0.919326312	N	0	N
AP000866.2	0.919326312	N	0	N
AREG	0.919326312	N	29	N
BOLA2-SMG1P6	0.919326312	N	0	N
CDADC1	0.919326312	N	0	N
FBXO16	0.919326312	N	0	N
HNRNPDP1	0.919326312	N	0	N
IL21R	0.919326312	N	17	N
LAMTOR3P2	0.919326312	N	0	N
MMP10	0.919326312	N	5	N
PGM2	0.919326312	N	4	N
PTBP3	0.919326312	N	2	N
RP11-467J12.4	0.919326312	N	0	N
SUCLG1	0.919326312	N	3	N
USPL1	0.919326312	N	0	N
YAP1P1	0.919326312	N	0	N
ZNF829	0.919326312	N	0	N
SIPA1L3	0.919350746	N	0	N
SPIDR	0.919365175	N	0	N
AC113382.1	0.91942531	N	0	N
GOLGA7B	0.919498409	N	0	N
MOB3C	0.919571803	N	0	N
NYAP2	0.919571803	N	1	N
RPEP4	0.919571803	N	0	N
SECISBP2	0.919571803	N	1	N
PIIP5K2	0.919586925	N	2	N
AC007681.1	0.919658205	N	0	N
AC098850.1	0.919658205	N	0	N
AKR1E2	0.919658205	N	0	N
AP001999.1	0.919658205	N	0	N
DCAF4L1	0.919658205	N	0	N
ECE2	0.919658205	N	3	N
EPHX4	0.919658205	N	0	N
IRX2	0.919658205	N	5	N
RN7SL7P	0.919658205	N	0	N
YWHAZ	0.919658205	N	10	N
ZCCHC10	0.919658205	N	0	N
SF3B6	0.91966736	N	0	N
AC004898.1	0.919698358	N	0	N
AC243960.2	0.919698358	N	0	N
AL354811.1	0.919698358	N	0	N
AL356801.1	0.919698358	N	0	N
ANKRD34C-AS1	0.919698358	N	0	N
FAM9B	0.919698358	N	1	N
KAT6A	0.919698358	N	0	N
NNAT	0.919698358	N	29	N
SLC9A3-AS1	0.919698358	N	0	N
VWA8-AS1	0.919698358	N	0	N
F5	0.919710218	N	27	N
RN7SL615P	0.919710218	N	0	N
AC073352.1	0.91971898	N	0	N
AL080243.2	0.91971898	N	0	N
TRPV3	0.91971898	N	4	N
ZNF581	0.91971898	N	0	N
MARCH7	0.91976027	N	0	N
AC090772.4	0.91976027	N	0	N
AC245884.8	0.91976027	N	0	N
BTNL9	0.91976027	N	0	N
C11orf52	0.91976027	N	0	N
CCDC103	0.91976027	N	0	N
CCDC73	0.91976027	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
CKMT2-AS1	0.91976027	N	0	N
COX16	0.91976027	N	0	N
FSCN1P1	0.91976027	N	0	N
LINC01844	0.91976027	N	0	N
LINC02057	0.91976027	N	0	N
LPAR1	0.91976027	N	0	N
MUC2	0.91976027	N	16	N
NRG3	0.91976027	N	2	N
PCNPP5	0.91976027	N	0	N
PKMP1	0.91976027	N	0	N
PPID	0.91976027	N	24	N
PPM1B	0.91976027	N	5	N
RAP1GDS1	0.91976027	N	0	N
ROMO1	0.91976027	N	1	N
RPF2	0.91976027	N	0	N
RRAGA	0.91976027	N	2	N
SPAAR	0.91976027	N	0	N
SUGT1P1	0.91976027	N	0	N
UGDH-AS1	0.91976027	N	0	N
USP28	0.91976027	N	1	N
VDAC1P1	0.91976027	N	0	N
ZNF100	0.91976027	N	0	N
ZNF407	0.91976027	N	2	N
PPARGC1B	0.919780479	N	33	N
CFHR1	0.919950249	N	1	N
ZNF552	0.919950249	N	0	N
GLIS2	0.919959237	N	6	N
SLC19A2	0.919959237	N	20	N
AP003393.1	0.920024859	N	0	N
MBOAT7	0.920073762	N	7	N
AC083862.2	0.920251526	N	0	N
AC090971.5	0.920251526	N	0	N
AC145207.2	0.920251526	N	0	N
AL009174.1	0.920251526	N	0	N
BHLHB9	0.920251526	N	1	N
BLOC1S2	0.920251526	N	0	N
FBXL18	0.920251526	N	0	N
FPGS	0.920251526	N	2	N
GNB2	0.920251526	N	2	N
IL1RAPL2	0.920251526	N	0	N
LACTB2-AS1	0.920251526	N	0	N
NALT1	0.920251526	N	0	N
NFATC3	0.920251526	N	18	N
PRKAG2	0.920251526	N	12	N
RPL7L1P3	0.920251526	N	0	N
TMOD3	0.920251526	N	2	N
AP001972.4	0.920262245	N	0	N
ISLR2	0.920262245	N	0	N
PARP3	0.920262245	N	0	N
TSEN2P1	0.920262245	N	0	N
PROX1	0.920375745	N	32	N
CASKIN2	0.920489582	N	0	N
FAT2	0.920489582	N	0	N
NDUFB11	0.920538922	N	0	N
AGTRAP	0.920567543	N	11	N
FUK	0.920567543	N	0	N
PTGDR2	0.920567543	N	2	N
AL021368.2	0.920587122	N	0	N
HLA-B	0.920587122	N	166	Y
STK25	0.920587122	N	11	N
AC135178.5	0.920613392	N	0	N
RN7SL47P	0.920623454	N	0	N
AC104966.1	0.920659919	N	0	N
AL357373.1	0.920659919	N	0	N
CIDECP	0.920659919	N	0	N
DDX6P2	0.920659919	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
MKNK2	0.920659919	N	8	N
AC009336.2	0.920688683	N	0	N
AC120036.1	0.920688683	N	0	N
AL049646.1	0.920688683	N	0	N
ARF4P3	0.920688683	N	0	N
EIF5B	0.920688683	N	1	N
GVQW1	0.920688683	N	0	N
HOXC12	0.920688683	N	0	N
LINC00342	0.920688683	N	0	N
RAB43	0.920688683	N	1	N
SEC11C	0.920688683	N	0	N
SELL	0.920688683	N	108	Y
TBK1	0.920688683	N	24	N
AF013593.1	0.920717344	N	0	N
AP003392.5	0.920717344	N	0	N
HERC2P3	0.920717344	N	0	N
LINC00959	0.920717344	N	0	N
PRDM8	0.920717344	N	1	N
TPTE2	0.920717344	N	0	N
TRAPPC6B	0.920717344	N	0	N
Z74021.1	0.920717344	N	0	N
AC008074.3	0.920725365	N	0	N
AC139100.2	0.920725365	N	0	N
AC244093.4	0.920725365	N	0	N
ADGRG7	0.920725365	N	0	N
LTBP4	0.920725365	N	2	N
MITD1	0.920725365	N	0	N
NUTM2A-AS1	0.920725365	N	0	N
TTC29	0.920725365	N	1	N
NUDT14	0.920750311	N	0	N
WWC1	0.920750311	N	0	N
CALM2P2	0.920770742	N	0	N
MRGPRF	0.920770742	N	0	N
TMED2	0.920795089	N	0	N
AC010342.1	0.920807271	N	0	N
AC097059.1	0.920807271	N	0	N
ACTR1B	0.920807271	N	0	N
AL049757.1	0.920807271	N	0	N
AL732372.2	0.920807271	N	0	N
CLIP2	0.920807271	N	2	N
COX10-AS1	0.920807271	N	0	N
EIF2S2P4	0.920807271	N	0	N
FERMT1	0.920807271	N	0	N
HSD17B7P1	0.920807271	N	0	N
NOP14	0.920807271	N	0	N
SNX4	0.920807271	N	1	N
ZSCAN30	0.920807271	N	0	N
AC009309.1	0.920863877	N	0	N
IKBKB	0.92087213	N	251	Y
SPRN	0.92087213	N	0	N
AC006329.1	0.920877292	N	0	N
DUX4L16	0.920924178	N	0	N
AL662899.3	0.920961194	N	0	N
KRT19P1	0.920961194	N	0	N
SLC31A2	0.920961194	N	1	N
AC004951.3	0.921023524	N	0	N
AC012065.4	0.921023524	N	0	N
AL080243.1	0.921023524	N	0	N
AL357054.3	0.921023524	N	0	N
AP002490.1	0.921023524	N	0	N
ARHGAP22	0.921023524	N	0	N
GOT2P2	0.921023524	N	0	N
GUCA1A	0.921023524	N	0	N
MEF2C-AS1	0.921023524	N	0	N
ZNF678	0.921023524	N	0	N
SNORA46	0.921024271	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
FAM92A1P2	0.921118973	N	0	N
AGTPBP1	0.921182544	N	0	N
AP003038.1	0.921182544	N	0	N
FP671120.1	0.921182544	N	0	N
NDUFB8	0.921182544	N	1	N
PSENE1	0.921182544	N	0	N
SLC9C1	0.921182544	N	0	N
TM9SF1	0.921182544	N	0	N
GOLM1	0.921222025	N	0	N
AC104825.1	0.921239029	N	0	N
AL136311.1	0.921239029	N	0	N
SNX17	0.921239029	N	1	N
AC011468.1	0.921264063	N	0	N
BBS5	0.921264063	N	1	N
CHKB-CPT1B	0.921308708	N	0	N
FN3K	0.921308708	N	2	N
PIM1	0.921350986	N	5	N
MAPKBP1	0.921410808	N	0	N
SLC10A7	0.921461321	N	0	N
LINC02099	0.921534316	N	0	N
IPO7	0.921574827	N	0	N
SLC23A3	0.921574827	N	0	N
TPP2	0.921574827	N	0	N
HGNC:18790	0.92172501	N	0	N
PACSN3	0.921738745	N	1	N
KCNC1	0.921776714	N	1	N
NCOR2	0.921776714	N	14	N
MARCH4	0.921835693	N	0	N
AGGF1P8	0.921835693	N	0	N
AL138895.2	0.921835693	N	0	N
ELMO1	0.921835693	N	3	N
GDF5	0.921835693	N	5	N
HTRA4	0.921835693	N	0	N
PCDH17	0.921835693	N	1	N
RFFL	0.921835693	N	0	N
RP1L1	0.921835693	N	0	N
BRWD1P1	0.921851697	N	0	N
AIP	0.92192034	N	91	N
AL359922.2	0.92192034	N	0	N
ETF1P1	0.92192034	N	0	N
NWD1	0.92192034	N	1	N
PCCB	0.92192034	N	0	N
RABL2B	0.92192034	N	0	N
TAT	0.92192034	N	207	Y
UIMC1	0.92192034	N	0	N
GABPAP	0.921939135	N	0	N
TACR2	0.921939135	N	0	N
AL049597.2	0.921973661	N	0	N
C11orf70	0.922046432	N	0	N
AL442125.1	0.922076295	N	0	N
TMEM191A	0.922078381	N	0	N
EAF2	0.92239392	N	0	N
PTS	0.92239392	N	91	N
SLC35D1	0.922406911	N	0	N
AC007038.2	0.922466805	N	0	N
AL353740.1	0.922466805	N	0	N
DHX29	0.922524294	N	0	N
EXOC6	0.922524294	N	1	N
LINC01435	0.922524294	N	0	N
A2M-AS1	0.922627322	N	0	N
AC005000.1	0.922627322	N	0	N
AC008937.3	0.922627322	N	0	N
AC010547.1	0.922627322	N	0	N
AC011611.1	0.922627322	N	0	N
AC012645.4	0.922627322	N	0	N
AKIRIN2	0.922627322	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AL355388.2	0.922627322	N	0	N
AL604028.2	0.922627322	N	0	N
CFAP43	0.922627322	N	0	N
CRLF1	0.922627322	N	2	N
EBF1	0.922627322	N	17	N
ESRRAP2	0.922627322	N	0	N
FAM222A	0.922627322	N	0	N
ILK	0.922627322	N	35	N
LINC00678	0.922627322	N	0	N
MYH14	0.922627322	N	1	N
PROZ	0.922627322	N	0	N
PYROXD1	0.922627322	N	0	N
RNVU1-14	0.922627322	N	0	N
SLC16A3	0.922627322	N	3	N
AC009163.1	0.922686406	N	0	N
AL031313.1	0.922686406	N	0	N
AL606760.1	0.922686406	N	0	N
MAP3K20	0.922726534	N	0	N
RPS20P10	0.922726534	N	0	N
DUX4L18	0.922763178	N	0	N
FAM173A	0.922763178	N	0	N
Metazoa_SRP	0.922763178	N	0	N
UBL5P2	0.922763178	N	0	N
KLHL35	0.922845592	N	0	N
AC008443.5	0.9228489	N	0	N
SPRY4	0.922897459	N	6	N
NBPF25P	0.922910261	N	0	N
FP325332.1	0.922937978	N	0	N
HLA-K	0.922937978	N	0	N
SHB	0.922937978	N	17	N
TIMMDC1	0.922937978	N	0	N
FAM104A	0.923181132	N	0	N
TMEM266	0.923264146	N	0	N
LINC01588	0.923343848	N	0	N
CFDP1	0.92335092	N	0	N
CPSF1	0.92335092	N	0	N
DMBT1P1	0.92335092	N	0	N
RTL6	0.92335092	N	0	N
TIAF1	0.92335092	N	0	N
TMEM229A	0.92335092	N	0	N
AL606834.3	0.923352915	N	0	N
AL450345.1	0.923403888	N	0	N
AC016877.1	0.923523956	N	0	N
CACNB3	0.923523956	N	2	N
AC007342.4	0.923559854	N	0	N
AC022274.1	0.923559854	N	0	N
SAMD15	0.923559854	N	0	N
MFAP4	0.923601796	N	1	N
PAQR9-AS1	0.923609302	N	0	N
AC010864.1	0.923671111	N	0	N
AC069240.2	0.923671111	N	0	N
PCBD1	0.923671111	N	4	N
LDLRAP1	0.923747365	N	0	N
LCNL1	0.923932845	N	0	N
DDX6	0.923991447	N	1	N
DUSP2	0.923991447	N	3	N
ZNF414	0.923991447	N	0	N
SEPT3	0.92400845	N	0	N
PMS1	0.924083984	N	0	N
AC012368.1	0.924246784	N	0	N
NDUFS5	0.924261989	N	1	N
AC034238.1	0.924275079	N	0	N
B3GNT7	0.924312948	N	0	N
POLR3C	0.92454345	N	0	N
RASA2-IT1	0.92454345	N	0	N
RN7SL834P	0.92454345	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
ZFY	0.92454345	N	0	N
FAM201B	0.924708258	N	0	N
PFN1P1	0.924708258	N	0	N
TDRKH-AS1	0.924708258	N	0	N
TEX14	0.924708258	N	1	N
AC026461.3	0.924713745	N	0	N
AC078809.1	0.924713745	N	0	N
AC092070.2	0.924713745	N	0	N
AL049873.2	0.924713745	N	0	N
AL356512.1	0.924713745	N	0	N
AP002748.4	0.924713745	N	0	N
AP3M1	0.924713745	N	0	N
CNN3P1	0.924713745	N	0	N
COQ8A	0.924713745	N	0	N
CTA-544A11.1	0.924713745	N	0	N
DCUN1D5	0.924713745	N	0	N
GLB1L	0.924713745	N	0	N
GLIPR1	0.924713745	N	0	N
LINC00449	0.924713745	N	0	N
PER2	0.924713745	N	72	N
PHEX	0.924713745	N	11	N
RN7SL650P	0.924713745	N	0	N
ROCK2	0.924713745	N	23	N
RPS28P7	0.924713745	N	0	N
SGK3	0.924713745	N	16	N
TAGLN2	0.924713745	N	4	N
SSC5D	0.924750962	N	0	N
FNIP2	0.92484947	N	1	N
GCC2-AS1	0.924985703	N	0	N
NFRKB	0.925044993	N	0	N
ZKSCAN4	0.925054395	N	0	N
C14orf166	0.925126889	N	0	N
LINC01562	0.925126889	N	0	N
AL513327.3	0.925139295	N	0	N
NOL9	0.925203749	N	0	N
AC002985.2	0.925207256	N	0	N
AC004839.1	0.925207256	N	0	N
AC093484.2	0.925207256	N	0	N
AC113367.2	0.925207256	N	0	N
LINP1	0.925207256	N	1	N
SEC14L1P1	0.925588513	N	0	N
AC090617.6	0.925667601	N	0	N
AC097721.1	0.925667601	N	0	N
AC115618.2	0.925667601	N	0	N
IL17D	0.925667601	N	0	N
RHOB	0.925667601	N	12	N
AP3M2	0.925860541	N	0	N
E2F5	0.925860541	N	0	N
EGFLAM	0.925860541	N	0	N
FP671120.4	0.925860541	N	0	N
CNPY3	0.92603726	N	0	N
VWC2	0.926080263	N	0	N
AC097376.1	0.926097258	N	0	N
C1orf56	0.926116996	N	0	N
FRY	0.926116996	N	75	N
GLB1L2	0.926116996	N	0	N
HAR1A	0.926116996	N	0	N
NOP53	0.926116996	N	0	N
SPEG	0.926116996	N	0	N
AL391597.1	0.926176548	N	0	N
CC2D1B	0.926184459	N	0	N
NDUFV2P1	0.926184459	N	0	N
SDCBP	0.926184459	N	3	N
AL606760.3	0.926354206	N	0	N
CYTH1	0.926354206	N	0	N
EPB41L4B	0.926354206	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
RN7SL65P	0.926354206	N	0	N
RPAP3	0.926354206	N	1	N
WDR35	0.926354206	N	1	N
ZNF443	0.926354206	N	0	N
SOCS1	0.926372843	N	108	Y
PODXL	0.926382619	N	2	N
PARL	0.926387316	N	8	N
EIF4G1	0.926443114	N	6	N
MYO9B	0.92647259	N	1	N
RN7SKP273	0.92647259	N	0	N
STX16-NPEPL1	0.92647259	N	0	N
CDH7	0.926511941	N	0	N
AL513318.1	0.926572958	N	0	N
CPVL	0.926572958	N	1	N
LYN	0.926572958	N	52	N
AL031123.2	0.926686297	N	0	N
EXOC3	0.926686297	N	1	N
MMAB	0.926686297	N	2	N
RAB28	0.926686297	N	1	N
RBM4	0.926686297	N	3	N
TPMTP1	0.926686297	N	0	N
AL513165.1	0.926691489	N	0	N
PPP4R3B	0.926716771	N	0	N
RNF113A	0.926743965	N	0	N
WNK4	0.926908146	N	7	N
BLVRB	0.926970132	N	0	N
PHACTR4	0.926970132	N	0	N
ROCK1	0.926970132	N	42	N
RTFDC1	0.926970132	N	0	N
RBM25	0.926983832	N	1	N
PCGF6	0.927030021	N	0	N
AC004678.2	0.927032224	N	0	N
AC018630.6	0.927032224	N	0	N
AC024619.4	0.927032224	N	0	N
AC025164.2	0.927032224	N	0	N
ACADL	0.927032224	N	12	N
AL360219.1	0.927032224	N	0	N
AP005899.1	0.927032224	N	0	N
AP1S1	0.927032224	N	0	N
ASCC2	0.927032224	N	0	N
BEND4	0.927032224	N	0	N
C5orf64	0.927032224	N	0	N
CD74	0.927032224	N	10	N
EPB41L3	0.927032224	N	1	N
INTS14	0.927032224	N	0	N
KCNRG	0.927032224	N	1	N
LINC02447	0.927032224	N	0	N
MCRIP1	0.927032224	N	0	N
OPCML	0.927032224	N	0	N
PCOLCE-AS1	0.927032224	N	0	N
PTTG1IP	0.927032224	N	0	N
PXDNL	0.927032224	N	0	N
RETREG1	0.927032224	N	0	N
TOP1	0.927032224	N	3	N
TRAF7	0.927032224	N	0	N
VCPKMT	0.927032224	N	0	N
ZNF503	0.92705069	N	0	N
AL080317.3	0.927160348	N	0	N
PEMT	0.927160348	N	53	N
AC094103.1	0.92717062	N	0	N
COMMD8	0.927186259	N	0	N
NRXN2	0.927186259	N	0	N
TAF4	0.927368051	N	0	N
AC089999.3	0.927571362	N	0	N
SMU1	0.927577653	N	0	N
PARS2	0.927593678	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
TMEM189	0.927593678	N	0	N
AL022476.1	0.927606913	N	0	N
COMMD2	0.927606913	N	0	N
DNAJC15	0.927606913	N	2	N
FNDC3A	0.927606913	N	0	N
GLUD1P3	0.927606913	N	0	N
LCOR	0.927606913	N	0	N
ONECUT2	0.927606913	N	5	N
PHGDH	0.927606913	N	3	N
SARS2	0.927606913	N	0	N
SOGA3	0.927606913	N	0	N
ACPI	0.927634147	N	26	N
KAT14	0.927659395	N	0	N
EIF4BP7	0.927678665	N	0	N
GDAP1	0.927700779	N	3	N
AC127502.2	0.927795977	N	0	N
AL136370.1	0.927795977	N	0	N
ATP6AP1L	0.927795977	N	0	N
DUSP8	0.927795977	N	3	N
LINC01531	0.927795977	N	0	N
NBPF20	0.927795977	N	0	N
PLAC9	0.927795977	N	0	N
SMARCB1	0.927795977	N	6	N
AC120114.4	0.927911489	N	0	N
AC135050.1	0.927911489	N	0	N
AP001107.1	0.927911489	N	0	N
ATP13A1	0.927911489	N	0	N
CNEP1R1	0.927911489	N	0	N
CRIPT	0.927911489	N	0	N
NUP133	0.927911489	N	0	N
RNFT1	0.927911489	N	0	N
PDGFC	0.928035398	N	7	N
SLC27A4	0.928035398	N	30	N
AC096887.2	0.928040453	N	0	N
THUMPD3P1	0.928040453	N	0	N
FAM83E	0.928063939	N	1	N
GVINP1	0.928145212	N	0	N
PIP5KL1	0.928187698	N	0	N
AC004889.1	0.9281883	N	0	N
ITGA3	0.9281883	N	2	N
TLR2	0.9281883	N	169	Y
WDR83OS	0.9281883	N	0	N
Z99289.1	0.9281883	N	0	N
AC073578.4	0.928223838	N	0	N
NR4A3	0.928251342	N	34	N
NRSN2-AS1	0.928251342	N	0	N
AC004893.1	0.928727478	N	0	N
SGSM1	0.928814357	N	0	N
FGFR1OP2	0.928828811	N	0	N
AC007255.1	0.928860998	N	0	N
AMER1	0.928860998	N	4	N
ANO7L1	0.928860998	N	0	N
DNAJC12	0.928860998	N	1	N
HPGD	0.928860998	N	3	N
MTR	0.928860998	N	11	N
PLPP7	0.928860998	N	0	N
RTL5	0.928860998	N	0	N
ZNF541	0.928860998	N	0	N
AC091060.1	0.929022462	N	0	N
AC097637.1	0.929022462	N	0	N
AC105233.3	0.929022462	N	0	N
AP002472.1	0.929022462	N	0	N
HGS	0.929022462	N	13	N
OTX1	0.929022462	N	0	N
SLCO4C1	0.929022462	N	0	N
TTC32	0.929022462	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
ZGLP1	0.929022462	N	0	N
BX571846.1	0.929036438	N	0	N
AL121749.1	0.929094497	N	0	N
ANKRD18EP	0.929357529	N	0	N
CPAMD8	0.929498383	N	0	N
TGFB1I1	0.929498383	N	4	N
TNFRSF10A-AS1	0.92956102	N	0	N
UBXN8	0.929617714	N	0	N
MIB2	0.929658184	N	1	N
AL590399.1	0.929660544	N	0	N
SCAF1	0.929698496	N	3	N
TBPL1	0.929698496	N	0	N
AL365203.3	0.92974039	N	0	N
ATN1	0.929744833	N	0	N
WDR49	0.92984532	N	0	N
AP000580.1	0.9298914	N	0	N
ZFYVE28	0.929901435	N	0	N
AQP3	0.929910113	N	21	N
LINC00996	0.929910113	N	0	N
AL356273.2	0.929925873	N	0	N
CUL3	0.929925873	N	9	N
LINC00680	0.929925873	N	0	N
LINC02280	0.929925873	N	0	N
MARCKSL1	0.929925873	N	0	N
MT1G	0.929925873	N	1	N
MYL12B	0.929925873	N	1	N
NDUFA5	0.929925873	N	3	N
PDE4C	0.929925873	N	7	N
PRDM16	0.929925873	N	83	N
PRELID3BP10	0.929925873	N	0	N
PRPF38AP2	0.929925873	N	0	N
RAMP1	0.929925873	N	4	N
SIAH3	0.929925873	N	0	N
TAS2R1	0.929925873	N	0	N
ZNF775	0.929925873	N	0	N
HOOK2	0.929949882	N	1	N
ACRV1	0.930085783	N	0	N
MFSD1P1	0.930085783	N	0	N
TNPO1P2	0.930095006	N	0	N
AP005432.1	0.930170925	N	0	N
MRPS17P1	0.930220952	N	0	N
JPH2	0.930313815	N	0	N
DLX2	0.930330532	N	3	N
ATP1A3	0.930395561	N	1	N
CALML3-AS1	0.930395561	N	0	N
LINC00668	0.930395561	N	0	N
SAMD9	0.930395561	N	0	N
AIFM1P1	0.930401534	N	0	N
SCARNA5	0.930401534	N	0	N
AC093766.1	0.930440713	N	0	N
ADPGK	0.930519899	N	0	N
RN7SL192P	0.930519899	N	0	N
RPL4P4	0.930519899	N	0	N
TBC1D15	0.930519899	N	1	N
WIPI2	0.930519899	N	1	N
NLRC5	0.930549456	N	2	N
BDNF	0.930697493	N	877	Y
AP004245.1	0.93070378	N	0	N
ABHD13	0.930732226	N	0	N
AL157402.2	0.930732226	N	0	N
CCDC97	0.930732226	N	0	N
COPS7A	0.930732226	N	0	N
CROCCP2	0.930732226	N	0	N
EIF3KP1	0.930732226	N	0	N
EIF5	0.930732226	N	2	N
FIS1	0.930732226	N	22	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
PTPRN2	0.930732226	N	48	N
RFK	0.930732226	N	0	N
RORB	0.930732226	N	2	N
RPS20	0.930732226	N	1	N
SLC9A1	0.930732226	N	15	N
WFDC8	0.930732226	N	0	N
ZNF256	0.930732226	N	0	N
ZNRF3	0.930732226	N	1	N
AC068228.1	0.930877988	N	0	N
AC137723.1	0.930877988	N	0	N
CH17-340M24.3	0.930877988	N	0	N
GADD45G	0.930877988	N	1	N
MOB1A	0.930877988	N	0	N
AP002414.1	0.930931614	N	0	N
PDE12	0.930931614	N	0	N
BAD	0.931000557	N	838	Y
AL590428.1	0.931006322	N	0	N
AC005242.1	0.931027966	N	0	N
ATP5HP2	0.931027966	N	0	N
PIK3R4	0.931027966	N	2	N
TANGO6	0.931027966	N	0	N
COASY	0.931099958	N	0	N
DIO2	0.93110082	N	46	N
AL137784.3	0.93115335	N	0	N
GTPBP4	0.93115335	N	0	N
PALM3	0.93115335	N	0	N
SOWAHC	0.931292653	N	0	N
SPSB2	0.931292653	N	0	N
AD000864.1	0.931318453	N	0	N
AP005432.2	0.931318453	N	0	N
DUSP28	0.931318453	N	0	N
TSPAN11	0.931318453	N	0	N
HOMER2P1	0.931346461	N	0	N
AC025171.1	0.931351421	N	0	N
RAD23A	0.931351421	N	1	N
AC025884.2	0.931364011	N	0	N
AC037459.1	0.931387967	N	0	N
AC074085.2	0.931387967	N	0	N
AKNA	0.931387967	N	0	N
AL021068.1	0.931387967	N	0	N
CA12	0.931387967	N	0	N
EBF4	0.931387967	N	0	N
MYOSLID	0.931387967	N	0	N
PTGDR	0.931387967	N	0	N
SV2A	0.931387967	N	2	N
TMEM205	0.931387967	N	0	N
VASP	0.931387967	N	23	N
CLDN16	0.931440137	N	0	N
PENK	0.931440137	N	2	N
FUT11	0.931475751	N	0	N
ELMOD2	0.931515927	N	0	N
FOXC2-AS1	0.931515927	N	0	N
MGRN1	0.931515927	N	2	N
TXLNG	0.931515927	N	1	N
CR1	0.93156093	N	20	N
DMTN	0.93156093	N	0	N
DNAJC24	0.93156093	N	1	N
WDR59	0.93156093	N	0	N
AC007383.1	0.931616529	N	0	N
AC058791.1	0.931616529	N	0	N
AMOT	0.931616529	N	2	N
LINC01535	0.931616529	N	0	N
AC027796.4	0.931640079	N	0	N
AC073072.1	0.931965882	N	0	N
AC007346.2	0.932015497	N	0	N
AC018682.1	0.932015497	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC138207.2	0.932015497	N	0	N
AL034379.1	0.932015497	N	0	N
AL450384.2	0.932015497	N	0	N
BMS1P4	0.932015497	N	0	N
ERC2	0.932015497	N	3	N
FAM153B	0.932015497	N	0	N
FAR1	0.932015497	N	0	N
GCAT	0.932015497	N	1	N
GPX4	0.932015497	N	16	N
MFGES	0.932015497	N	10	N
PGK1P2	0.932015497	N	0	N
PICK1	0.932015497	N	9	N
SHANK3	0.932015497	N	9	N
SLC30A8	0.932015497	N	275	Y
SMARCAL1	0.932015497	N	0	N
TLEIP1	0.932015497	N	0	N
TMEM59L	0.932015497	N	1	N
UBE2FP1	0.932015497	N	0	N
ZBTB38	0.932015497	N	2	N
ZNF446	0.932015497	N	0	N
ZNF669	0.932015497	N	0	N
NCKIPSD	0.932055801	N	0	N
EIF4E2P1	0.932089777	N	0	N
NUDT2	0.932179627	N	1	N
RAB3GAP2	0.932179627	N	0	N
AP000911.3	0.932257225	N	0	N
ARMC8P1	0.932257225	N	0	N
CDC34	0.932257225	N	2	N
HMGCR	0.932257225	N	67	N
NOL4L	0.932257225	N	0	N
ZNF131	0.932257225	N	0	N
ZNF837	0.932257225	N	0	N
ERP29P1	0.932271107	N	0	N
GABRB2	0.932327771	N	0	N
EGR1	0.93235345	N	141	Y
IRF4	0.93235345	N	12	N
ZNF823	0.93235345	N	0	N
ZEB2	0.932409804	N	9	N
HIPK1	0.932419177	N	0	N
EIF3A	0.932429743	N	2	N
AL117348.2	0.932545127	N	0	N
AC105339.1	0.932560366	N	0	N
OGDH	0.932560366	N	5	N
AC004076.2	0.932574239	N	0	N
CCDC150P1	0.932651479	N	0	N
RAX	0.932651479	N	3	N
RPL10P16	0.932651479	N	0	N
AC007159.1	0.932805833	N	0	N
KIF7	0.932805833	N	0	N
ORC4	0.932805833	N	0	N
AL358975.1	0.932923987	N	0	N
AC015967.1	0.932973114	N	0	N
AC113191.1	0.932973114	N	0	N
USP17L7	0.932973114	N	0	N
AL391419.1	0.932975621	N	0	N
ARHGAP4	0.932990531	N	0	N
LINC00643	0.932990531	N	0	N
LINC02021	0.932990531	N	0	N
PUM2	0.932990531	N	0	N
UROD	0.932990531	N	0	N
RAD17P1	0.93306322	N	0	N
7SK	0.933110367	N	1	N
AL441883.1	0.933112012	N	0	N
KDM5D	0.933112012	N	0	N
AC010522.1	0.933132758	N	0	N
AC012464.3	0.933132758	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC091874.1	0.933132758	N	0	N
AC093677.1	0.933132758	N	0	N
AC112721.2	0.933132758	N	0	N
AC233982.1	0.933132758	N	0	N
CARM1	0.933132758	N	4	N
MORC4	0.933132758	N	0	N
MYCL	0.933132758	N	7	N
PCTP	0.933132758	N	10	N
PRDM5	0.933132758	N	1	N
RPL5P23	0.933132758	N	0	N
RPL5P34	0.933132758	N	0	N
SGK494	0.933132758	N	0	N
STARD4-AS1	0.933132758	N	0	N
TMTC2	0.933132758	N	0	N
DGAT2	0.933205406	N	73	N
OSBPL9P4	0.933205406	N	0	N
AC007552.1	0.933212134	N	0	N
CAST	0.933214535	N	136	Y
AC091231.1	0.933235759	N	0	N
AC004951.1	0.933328203	N	0	N
CYHR1	0.933328203	N	0	N
TTC19	0.933328203	N	0	N
PSMA2P1	0.933394945	N	0	N
AC091492.1	0.933420009	N	0	N
ICE2	0.933420009	N	0	N
CHCHD2P9	0.933556816	N	0	N
CERNA1	0.933675721	N	0	N
AC005726.4	0.933711025	N	0	N
AK9	0.933711025	N	0	N
LINC01287	0.933711025	N	0	N
LINC02394	0.933711025	N	0	N
SEM1	0.933711025	N	1	N
SLC8A1-AS1	0.933711025	N	0	N
SPSB1	0.933711025	N	0	N
TAS2R30	0.933711025	N	0	N
THAP12	0.933711025	N	0	N
ULBP2	0.933711025	N	1	N
AL445238.1	0.933935939	N	0	N
ENOX2	0.93395353	N	1	N
SRGN	0.93395353	N	0	N
AL109918.1	0.934063103	N	0	N
BRK1	0.934063103	N	0	N
CAD	0.934063103	N	1000	Y
EPB41L4A-AS1	0.934063103	N	0	N
NDUFAF2	0.934063103	N	1	N
ANGPTL2	0.934095251	N	20	N
AC133473.1	0.934150213	N	0	N
COL6A6	0.934150213	N	0	N
CADPS2	0.934172873	N	0	N
TWF1	0.934172873	N	1	N
AC068042.1	0.934197602	N	0	N
AC018630.1	0.934225119	N	0	N
AC009090.1	0.934348543	N	0	N
AC034236.2	0.934348543	N	0	N
PSME3	0.934348543	N	3	N
AC073842.2	0.934511216	N	0	N
AKR1C2	0.934511216	N	4	N
AKT1S1	0.934511216	N	29	N
AL162426.1	0.934511216	N	0	N
BHLHE40-AS1	0.934511216	N	0	N
CYCSP12	0.934511216	N	0	N
IDNK	0.934511216	N	0	N
AACS	0.934577949	N	5	N
BDKRB2	0.934577949	N	4	N
MBNL1-AS1	0.934577949	N	0	N
TRPC5	0.934577949	N	11	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
ABCC10	0.934608577	N	1	N
AC009509.4	0.934608577	N	0	N
AC010099.3	0.934608577	N	0	N
AC023830.2	0.934608577	N	0	N
AC069079.1	0.934608577	N	0	N
AC090425.2	0.934608577	N	0	N
AD000091.1	0.934608577	N	0	N
AL031710.2	0.934608577	N	0	N
AL671855.1	0.934608577	N	0	N
BNIP3P1	0.934608577	N	0	N
IL12A	0.934608577	N	4	N
LAMTOR4	0.934608577	N	0	N
NAGPA	0.934608577	N	0	N
PLEKHN1	0.934608577	N	1	N
RASSF8	0.934608577	N	1	N
AC093525.2	0.934679414	N	0	N
SQOR	0.934679414	N	0	N
CASP7	0.934737931	N	58	N
DDX50P2	0.934737931	N	0	N
NXF3	0.93475066	N	0	N
AC139887.4	0.934803524	N	0	N
AC023538.1	0.935002236	N	0	N
AC125603.4	0.935002236	N	0	N
AGXT	0.935002236	N	2	N
B3GALT6	0.935002236	N	0	N
C12orf75	0.935002236	N	0	N
DUOX1	0.935002236	N	14	N
FMN2	0.935002236	N	0	N
GAS6-AS1	0.935002236	N	0	N
HSP90AB7P	0.935002236	N	0	N
MAGI1-IT1	0.935002236	N	0	N
METTL9	0.935002236	N	0	N
MRPS21P6	0.935002236	N	0	N
RPS15AP12	0.935002236	N	0	N
SLC25A20P1	0.935002236	N	0	N
SORCS3	0.935002236	N	1	N
ST3GAL1P1	0.935002236	N	0	N
TMEM241	0.935002236	N	0	N
WDR20	0.935002236	N	0	N
WSB2	0.935002236	N	2	N
XAGE2	0.935002236	N	0	N
GOLT1A	0.93504712	N	0	N
LINC00920	0.935121663	N	0	N
PPP4R3A	0.935121663	N	0	N
REPS2	0.935121663	N	3	N
SLC2A4	0.935121663	N	1000	Y
STK17A	0.935121663	N	0	N
SEC22A	0.935159544	N	1	N
AL022722.1	0.935430936	N	0	N
BX248409.1	0.935430936	N	0	N
AL136984.1	0.935554266	N	0	N
ALMS1-IT1	0.935554266	N	0	N
ATP5A1	0.935554266	N	5	N
CICP18	0.935554266	N	0	N
ERAP2	0.935554266	N	11	N
NEXN	0.935554266	N	0	N
RPS3P2	0.935554266	N	0	N
SSC4D	0.935554266	N	0	N
THEMIS	0.935554266	N	1	N
VSNL1	0.935554266	N	1	N
ZFP36L2	0.935554266	N	3	N
AC079777.1	0.935583598	N	0	N
SOX5	0.935583598	N	6	N
C9orf47	0.935723047	N	0	N
CYP27B1	0.935723047	N	50	N
PFKM	0.935723047	N	10	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
SLFN11	0.935723047	N	0	N
ZNF75A	0.935723047	N	0	N
ANKRD37	0.935849899	N	0	N
LMTK3	0.935849899	N	0	N
AL589843.2	0.935857657	N	0	N
LINC02199	0.935857657	N	0	N
CFAP53	0.936105532	N	0	N
FAM107A	0.936105532	N	2	N
NHLRC1	0.936105532	N	2	N
SEMA4F	0.936105532	N	0	N
SLC35E1P1	0.936105532	N	0	N
SLFN12	0.936105532	N	0	N
AC004801.6	0.936136677	N	0	N
ZBTB22	0.936136677	N	0	N
CDC20B	0.936286545	N	1	N
IL33	0.936286545	N	35	N
RGCC	0.936286545	N	3	N
ZNF528-AS1	0.936286545	N	0	N
PLCXD3	0.936319052	N	2	N
AC091078.1	0.936350311	N	0	N
ALG3	0.936350311	N	0	N
PCSK7	0.936350311	N	4	N
SLC25A51	0.936350311	N	0	N
SUSD2	0.936520084	N	1	N
DLG1	0.936541368	N	6	N
KIF19	0.936606756	N	0	N
AC112694.1	0.936796393	N	0	N
AL135903.1	0.936796393	N	0	N
ARHGEF19	0.936796393	N	2	N
ELOVL6	0.936796393	N	44	N
GADD45B	0.936796393	N	7	N
LINC00243	0.936796393	N	0	N
PTCH2	0.936796393	N	0	N
RNPEP	0.936796393	N	0	N
SLC26A6	0.936796393	N	4	N
TNFRSF11A	0.936796393	N	24	N
AC067940.1	0.936841057	N	0	N
AC020763.2	0.937138154	N	0	N
FNBP1	0.937138154	N	0	N
FRMD8P1	0.9371419	N	0	N
HMG1P24	0.9371419	N	0	N
TMSB4XP4	0.9371419	N	0	N
AC025171.2	0.937161839	N	0	N
DGUOK	0.937345894	N	0	N
EIF4A1P10	0.937345894	N	0	N
LINC01965	0.937345894	N	0	N
NAT10	0.937345894	N	0	N
INPP5F	0.93737211	N	1	N
AC007663.2	0.937538759	N	0	N
AC005520.3	0.937576383	N	0	N
AC022558.1	0.937576383	N	0	N
AC026348.1	0.937576383	N	0	N
AC093698.2	0.937576383	N	0	N
AC138207.4	0.937576383	N	0	N
ACVR2B	0.937576383	N	7	N
ADIPOQ	0.937576383	N	1000	Y
AF127577.6	0.937576383	N	0	N
AIDA	0.937576383	N	80	N
AL512662.1	0.937576383	N	0	N
AL590552.1	0.937576383	N	0	N
ALX4	0.937576383	N	4	N
CCNC	0.937576383	N	3	N
CDK14	0.937576383	N	0	N
FAM155A	0.937576383	N	0	N
FXNP2	0.937576383	N	0	N
FZD6	0.937576383	N	2	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
GAL3ST1	0.937576383	N	0	N
GTF2A1	0.937576383	N	0	N
HADHA	0.937576383	N	6	N
IL18	0.937576383	N	227	Y
IL18BP	0.937576383	N	1	N
IQUB	0.937576383	N	0	N
LINC01137	0.937576383	N	0	N
LINC02253	0.937576383	N	0	N
MSANTD2P1	0.937576383	N	0	N
PCDH8	0.937576383	N	0	N
PIP	0.937576383	N	513	Y
RASL12	0.937576383	N	1	N
RBM41	0.937576383	N	0	N
RPL7P13	0.937576383	N	0	N
SLC25A18	0.937576383	N	0	N
STPG3-AS1	0.937576383	N	0	N
STRIP1	0.937576383	N	2	N
SUPT4H1	0.937576383	N	0	N
TAF1C	0.937576383	N	0	N
TCF20	0.937576383	N	0	N
TMEM262	0.937576383	N	0	N
UPF1	0.937576383	N	4	N
AC010970.1	0.937586189	N	0	N
AC078927.1	0.937586189	N	0	N
AC079140.2	0.937586189	N	0	N
AC087752.4	0.937586189	N	0	N
AC097641.3	0.937586189	N	0	N
AC109454.2	0.937586189	N	0	N
AC109992.2	0.937586189	N	0	N
ADRA2B	0.937586189	N	10	N
AL096817.1	0.937586189	N	0	N
AL122035.2	0.937586189	N	0	N
AL139288.1	0.937586189	N	0	N
AL354798.1	0.937586189	N	0	N
CPT1C	0.937586189	N	8	N
CTBP2	0.937586189	N	3	N
DACT2	0.937586189	N	0	N
DCHS1	0.937586189	N	0	N
DGKD	0.937586189	N	3	N
FAAP20	0.937586189	N	0	N
FMOD	0.937586189	N	8	N
GPR160	0.937586189	N	1	N
KRT18P5	0.937586189	N	0	N
LAGE3	0.937586189	N	1	N
LINC01116	0.937586189	N	0	N
LONRF2	0.937586189	N	1	N
MED24	0.937586189	N	0	N
MTND4P16	0.937586189	N	0	N
PATE4	0.937586189	N	0	N
PDCD10	0.937586189	N	0	N
PDSS2	0.937586189	N	0	N
POLR3E	0.937586189	N	0	N
PPP2R3C	0.937586189	N	1	N
PREX1	0.937586189	N	6	N
SEC14L1	0.937586189	N	1	N
SEC23B	0.937586189	N	1	N
SGSM3	0.937586189	N	0	N
SMARCD2	0.937586189	N	0	N
SMPD2	0.937586189	N	0	N
SNPH	0.937586189	N	0	N
STK32C	0.937586189	N	0	N
TACC2	0.937586189	N	0	N
TAL1	0.937586189	N	6	N
Z95115.1	0.937586189	N	0	N
ZC3H15	0.937586189	N	0	N
AC124319.2	0.937599548	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AL162311.3	0.937599548	N	0	N
AL359715.2	0.937599548	N	0	N
TNRC18	0.937599548	N	0	N
AAGAB	0.93762126	N	0	N
RWDD4	0.93762126	N	0	N
GREM2	0.937632406	N	1	N
RPS25	0.937632406	N	1	N
HMGA2	0.937819631	N	32	N
AC007547.1	0.93783809	N	0	N
AC009318.3	0.938061454	N	0	N
ACTG1P17	0.938061454	N	0	N
AMIGO2	0.938061454	N	0	N
BMP4	0.938061454	N	114	Y
C1orf61	0.938061454	N	0	N
ISOC2	0.938061454	N	0	N
MDH1B	0.938061454	N	0	N
TAS2R13	0.938061454	N	0	N
TFAP2C	0.938061454	N	67	N
C17orf80	0.938097062	N	0	N
NINJ1	0.938192412	N	2	N
PCIF1	0.938192412	N	3	N
AP001350.1	0.938321714	N	0	N
PRPS1L1	0.938338385	N	0	N
CPED1	0.938392413	N	0	N
EXOC1	0.938392413	N	1	N
SPPL2B	0.938392413	N	0	N
XKR7	0.938392413	N	0	N
KRT18	0.938393491	N	11	N
AC006530.1	0.93841901	N	0	N
AC022497.1	0.93841901	N	0	N
ATP5G2P1	0.93841901	N	0	N
MILR1	0.93841901	N	0	N
SLC4A10	0.93841901	N	0	N
SPECC1	0.93841901	N	0	N
AC015813.1	0.938520407	N	0	N
AC069148.1	0.938520407	N	0	N
C1orf53	0.938520407	N	0	N
CALHM2	0.938520407	N	0	N
DCBLD1	0.938520407	N	0	N
HNRNPA1P48	0.938520407	N	0	N
SMARCD1	0.938520407	N	1	N
WDFY1	0.938520407	N	0	N
AC004461.2	0.938546507	N	0	N
AC024884.2	0.938546507	N	0	N
AC084855.2	0.938546507	N	0	N
RAB21	0.938546507	N	1	N
SH3TC1	0.938546507	N	0	N
SPON1	0.938546507	N	0	N
SRD5A3P1	0.938546507	N	0	N
SUMO1P3	0.938546507	N	0	N
TCP11L1	0.938546507	N	0	N
ZSCAN10	0.938546507	N	0	N
SLC13A4	0.938585529	N	0	N
WNT10B	0.938695783	N	30	N
WDR17	0.938701117	N	0	N
ZRANB2-AS1	0.93871406	N	0	N
ARHGAP6	0.938853364	N	1	N
AC005229.4	0.938872275	N	0	N
AC010343.1	0.938872275	N	0	N
AC039056.2	0.938872275	N	0	N
AL590644.1	0.938872275	N	0	N
HLX	0.938872275	N	1	N
LINC00921	0.938872275	N	0	N
LINC02241	0.938872275	N	0	N
MAP2K1	0.938872275	N	102	Y
MAP6D1	0.938872275	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
MORF4	0.938872275	N	0	N
MYH11	0.938872275	N	3	N
PHF6	0.938872275	N	0	N
PIH1D2	0.938872275	N	0	N
RPL12P20	0.938872275	N	0	N
AC138207.7	0.938904933	N	0	N
GPC6	0.938918814	N	3	N
BLOC1S5	0.938927546	N	0	N
AL034346.1	0.939018435	N	0	N
AC090559.2	0.939085193	N	0	N
PRX	0.939085193	N	20	N
ZFP62	0.939085193	N	0	N
AC004067.1	0.939116204	N	0	N
AC007383.3	0.939116204	N	0	N
AC008072.1	0.939116204	N	0	N
AC013701.1	0.939116204	N	0	N
AC130324.1	0.939116204	N	0	N
AC234772.3	0.939116204	N	0	N
AL118496.1	0.939116204	N	0	N
LUADT1	0.939116204	N	0	N
NHSL1	0.939116204	N	1	N
ZNF71	0.939116204	N	0	N
ALOX12-AS1	0.939126016	N	0	N
PIBF1	0.939126016	N	0	N
AC005224.4	0.939290317	N	0	N
AC104596.1	0.939290317	N	0	N
ATP5C1P1	0.939290317	N	0	N
GALNT3	0.939290317	N	1	N
PHF13	0.939448993	N	0	N
PSME1	0.939448993	N	6	N
AL135818.1	0.939550628	N	0	N
MAPRE2	0.939600091	N	0	N
REV3L-IT1	0.939600091	N	0	N
PIN4	0.939626326	N	2	N
AC010997.4	0.939795624	N	0	N
AC092999.1	0.939948305	N	0	N
AC138028.6	0.939948305	N	0	N
ACTA2-AS1	0.939948305	N	0	N
AL135791.1	0.939948305	N	0	N
CLEC11A	0.939948305	N	0	N
KRTAP2-3	0.939948305	N	0	N
LRRC37A4P	0.939948305	N	0	N
MAPKAPK5	0.939948305	N	2	N
RDH11	0.939948305	N	1	N
RN7SL749P	0.939948305	N	0	N
SMIM10L1	0.939948305	N	0	N
TMEM27	0.939948305	N	13	N
VDAC1P11	0.939948305	N	0	N
WDR6	0.939948305	N	1	N
ZNF132	0.939948305	N	0	N
ZNF833P	0.939948305	N	0	N
PARM1	0.939986496	N	3	N
ETV5	0.939987814	N	7	N
RFX3-AS1	0.940167475	N	0	N
AC008741.2	0.940171211	N	0	N
AL357153.3	0.940171211	N	0	N
DHX58	0.940171211	N	1	N
LINC01429	0.940171211	N	0	N
FNTB	0.940206672	N	0	N
RHEBP2	0.940248592	N	0	N
CMIP	0.940291654	N	2	N
SLC14A2	0.94032097	N	0	N
GRIP2	0.940412601	N	0	N
LEF1-AS1	0.940412601	N	0	N
PRMT8	0.940412601	N	0	N
SLC45A1	0.940412601	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AL353804.1	0.940494571	N	0	N
AP002761.3	0.940494571	N	0	N
FAM58BP	0.940494571	N	0	N
PKHD1L1	0.940494571	N	0	N
SUSD3	0.940579338	N	1	N
AC092903.2	0.940599245	N	0	N
DGAT1	0.940599245	N	112	Y
DPH1	0.940599245	N	0	N
GNG12-AS1	0.940599245	N	0	N
IFNLR1	0.940599245	N	0	N
ISCA2P1	0.940599245	N	0	N
ISM1	0.940599245	N	0	N
MFSD13A	0.940599245	N	0	N
MYL6B	0.940599245	N	0	N
NUDT22	0.940599245	N	0	N
OSBPL5	0.940599245	N	1	N
RARSP1	0.940599245	N	0	N
RNF180	0.940599245	N	1	N
ROBO3	0.940599245	N	1	N
ZCCHC17	0.940599245	N	0	N
MRPS36	0.940745024	N	0	N
NKIRAS2	0.940856446	N	1	N
RARA-AS1	0.940856446	N	0	N
SBF1	0.940856446	N	0	N
SFRP1	0.940856446	N	13	N
VPS18	0.940856446	N	0	N
AC006249.1	0.940875542	N	0	N
AC093525.4	0.940875542	N	0	N
AC112492.5	0.940875542	N	0	N
AC142472.1	0.940875542	N	0	N
AP002761.4	0.940875542	N	0	N
CNPPD1	0.940875542	N	0	N
RPL19	0.940875542	N	1	N
VAC14-AS1	0.940875542	N	0	N
AC115618.1	0.940984218	N	0	N
IDO2	0.940984218	N	1	N
LINC02177	0.940984218	N	0	N
MAS1	0.940984218	N	3	N
AC116407.1	0.940984628	N	0	N
AKNAD1	0.940984628	N	1	N
GTF3C4	0.940984628	N	0	N
LINC00942	0.940984628	N	0	N
ST8SIA2	0.940984628	N	2	N
STX5	0.940984628	N	0	N
AC006486.2	0.941102464	N	0	N
NRROS	0.941102464	N	0	N
SLC20A1	0.941102464	N	6	N
SLC2A13	0.941102464	N	1	N
SNORA2C	0.941102464	N	0	N
TPST2	0.941102464	N	1	N
CXorf56	0.941167816	N	0	N
KLF12	0.941167816	N	1	N
SLC10A1	0.941195584	N	1	N
RAD1	0.941210496	N	3	N
AC108727.1	0.941314968	N	0	N
GAB3	0.941314968	N	2	N
C1orf216	0.941334505	N	0	N
AC021016.2	0.941369628	N	0	N
C11orf24	0.941371501	N	0	N
ZBTB10	0.941371501	N	0	N
CNTNAP3B	0.941380589	N	0	N
MGEA5	0.94140792	N	4	N
RN7SL202P	0.941467923	N	0	N
B3GALT5	0.94148786	N	0	N
CYR61	0.94148786	N	56	N
ENTPD5	0.941531185	N	2	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AL354714.1	0.94157814	N	0	N
FAM160A2	0.94157814	N	0	N
MX2	0.94157814	N	5	N
AC005304.3	0.94158422	N	0	N
AC080112.2	0.941607316	N	0	N
DALRD3	0.941607316	N	0	N
LINC01234	0.941607316	N	0	N
PAX9	0.941607316	N	0	N
SYNE3	0.941607316	N	0	N
ALS2CR12	0.941774358	N	0	N
MESD	0.941774358	N	0	N
PSME2P2	0.941774358	N	0	N
RFESD	0.941774358	N	0	N
AC020910.4	0.941844173	N	0	N
AL954705.1	0.941844173	N	0	N
NPHS1	0.941844173	N	5	N
AL512408.1	0.941991685	N	0	N
ARPC1B	0.941991685	N	2	N
C8orf31	0.941991685	N	0	N
CMC4	0.941991685	N	0	N
HAVCR2	0.941991685	N	7	N
ZNF385A	0.941991685	N	0	N
LILRA1	0.942006313	N	0	N
GNAL	0.942059988	N	0	N
LINC02108	0.942098701	N	0	N
UBAC2-AS1	0.942327076	N	0	N
ATIC	0.942431312	N	7	N
PCSK2	0.942431312	N	31	N
AC020661.1	0.942435268	N	0	N
AC022613.2	0.942435268	N	0	N
AGA	0.942435268	N	495	Y
C6orf141	0.942435268	N	0	N
EMCN	0.942435268	N	0	N
LINC01426	0.942435268	N	0	N
RPH3AL	0.942435268	N	8	N
FAM89B	0.942470885	N	1	N
NLRC3	0.942501058	N	0	N
SIRPB2	0.942501058	N	0	N
AC021146.2	0.942834835	N	0	N
AC091982.1	0.942857219	N	0	N
AL139123.1	0.942857219	N	0	N
C17orf99	0.942857219	N	0	N
LINC01176	0.942857219	N	0	N
RANBP3L	0.942857219	N	0	N
RPS4XP6	0.942857219	N	0	N
TMEM63A	0.942865315	N	0	N
AC021766.1	0.942924077	N	0	N
THEMIS2	0.942924077	N	0	N
AC005261.5	0.942965645	N	0	N
AC009137.2	0.942965645	N	0	N
AL669831.4	0.942965645	N	0	N
ATP6V1F	0.942965645	N	0	N
B4GALT2	0.942965645	N	0	N
CAVIN1	0.942965645	N	20	N
MEAF6	0.942965645	N	0	N
PP14571	0.942965645	N	0	N
SLC25A5P3	0.942965645	N	0	N
SLC35E2	0.942965645	N	0	N
ZNHIT2	0.942965645	N	0	N
CARD8	0.942972651	N	3	N
ZBTB11	0.942972651	N	0	N
AC006064.2	0.942973635	N	0	N
AC138969.1	0.942984179	N	0	N
AL118557.1	0.942984179	N	0	N
ARHGAP22-IT1	0.942984179	N	0	N
FAHD2A	0.942984179	N	1	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
LINC02523	0.942984179	N	0	N
MED10	0.942984179	N	0	N
PTCHD4	0.942984179	N	0	N
SHQ1	0.942984179	N	0	N
STX3	0.942984179	N	3	N
RAB37	0.943069171	N	3	N
SUCLG2-AS1	0.943168847	N	0	N
RBM48P1	0.943172533	N	0	N
AHI1	0.943288204	N	4	N
CAAP1	0.943288204	N	0	N
ITGB2-AS1	0.943288204	N	0	N
GAPDHP35	0.943290481	N	0	N
AL137779.2	0.943324	N	0	N
TSPAN5	0.943324	N	1	N
NLGN4X	0.943324826	N	2	N
AC087623.4	0.943485496	N	0	N
AC092170.1	0.943485496	N	0	N
LCMT1-AS1	0.943485496	N	0	N
SOX17	0.943485496	N	57	N
ACOT4	0.943496273	N	0	N
HSD17B13	0.943496273	N	2	N
ITGAE	0.943504114	N	0	N
AC092683.2	0.943570305	N	0	N
PSMD6-AS2	0.943589702	N	0	N
AC105250.1	0.943681587	N	0	N
AC135977.1	0.943681587	N	0	N
ASIC3	0.943681587	N	6	N
DBET	0.943681587	N	0	N
JTB	0.943681587	N	0	N
SLC16A1	0.943681587	N	31	N
SRRM2-AS1	0.943681587	N	0	N
TMEM155	0.943681587	N	0	N
USB1	0.943681587	N	0	N
ZNF271P	0.943681587	N	0	N
ZNF700	0.943681587	N	0	N
DENND5B-AS1	0.943692247	N	0	N
NDN	0.943692247	N	10	N
RARRES3	0.943692247	N	0	N
MUC5B	0.943831085	N	5	N
AC013451.2	0.943835953	N	0	N
AL049830.3	0.943835953	N	0	N
C15orf65	0.943835953	N	0	N
RNF17	0.943835953	N	0	N
AC233290.2	0.943840213	N	0	N
AC012354.2	0.943946308	N	0	N
AC015743.1	0.943946308	N	0	N
AC124276.2	0.943946308	N	0	N
CDYL	0.943946308	N	0	N
MIR548XHG	0.943946308	N	0	N
NEK5	0.943946308	N	0	N
RAB11A	0.943946308	N	4	N
TCEA2	0.943946308	N	0	N
BBS10	0.944070355	N	1	N
CCDC144NL	0.944079614	N	0	N
GLMP	0.944082386	N	0	N
AC244394.1	0.944090119	N	0	N
HR	0.944090119	N	1000	Y
ZNF101P2	0.944090119	N	0	N
ZNF853	0.944090119	N	0	N
AC069061.4	0.944109045	N	0	N
AL604028.1	0.944109045	N	0	N
SMAD5-AS1	0.944109045	N	0	N
AC025176.1	0.944121758	N	0	N
YBX1P8	0.944121758	N	0	N
AL365361.1	0.944134668	N	0	N
DUX4L19	0.944273887	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
GPN2	0.944273887	N	0	N
PLAA	0.944273887	N	3	N
TMUB1	0.944486124	N	0	N
AC004982.2	0.944596268	N	0	N
AC016526.3	0.944596268	N	0	N
AC073254.1	0.944596268	N	0	N
AC093909.4	0.944596268	N	0	N
AC105277.1	0.944596268	N	0	N
AL021707.6	0.944596268	N	0	N
AL359999.1	0.944596268	N	0	N
CD96	0.944596268	N	0	N
DLSTP1	0.944596268	N	0	N
ELOC	0.944596268	N	1	N
FAR1-IT1	0.944596268	N	0	N
GUCY1A3	0.944596268	N	0	N
HSF5	0.944596268	N	1	N
IGFALS	0.944596268	N	78	N
LPAR3	0.944596268	N	1	N
LPAR4	0.944596268	N	0	N
LRRTM2	0.944596268	N	0	N
MAPK8	0.944596268	N	139	Y
NBPF19	0.944596268	N	0	N
NECAP2	0.944596268	N	0	N
NOTCH2NL	0.944596268	N	0	N
NSMCE3	0.944596268	N	0	N
PDZK1	0.944596268	N	7	N
PIP5K1P2	0.944596268	N	0	N
POTEE	0.944596268	N	0	N
RAB3IP	0.944596268	N	0	N
RER1	0.944596268	N	0	N
RNF138P1	0.944596268	N	0	N
SPNS2	0.944596268	N	1	N
VDAC1	0.944596268	N	14	N
SPTSSA	0.944688756	N	0	N
KLF16	0.944719228	N	0	N
MAP2K2	0.944719228	N	27	N
MYO18A	0.944719228	N	0	N
OGFRL1	0.944719228	N	0	N
PMS2P4	0.944719228	N	0	N
ZNF99	0.944719228	N	0	N
EFCAB5	0.944738136	N	0	N
ZFP69	0.944738136	N	4	N
FBXO8	0.944940401	N	0	N
AC007952.2	0.944971917	N	0	N
AC079801.1	0.944971917	N	0	N
AJ011931.1	0.944971917	N	0	N
AL021578.1	0.944971917	N	0	N
AL365181.1	0.944971917	N	0	N
DYNLT3P1	0.944971917	N	0	N
LINC01111	0.944971917	N	0	N
NHLRC2	0.944971917	N	1	N
TSPAN13	0.944971917	N	0	N
AC019227.1	0.945050523	N	0	N
AC020928.1	0.945050523	N	0	N
AL662797.3	0.945050523	N	0	N
AP001107.5	0.945050523	N	0	N
DDX10P2	0.945050523	N	0	N
NDST2	0.945050523	N	0	N
PRPS1P2	0.945050523	N	0	N
AC007686.3	0.945231274	N	0	N
MTCL1	0.945231274	N	0	N
OAZ1	0.945231274	N	1	N
RP11-258C19.7	0.945231274	N	0	N
RSU1P3	0.945231274	N	0	N
SNORA80B	0.945231274	N	0	N
UNC13A	0.945231274	N	7	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
ZDHHC14	0.945231274	N	0	N
ZNF252P-AS1	0.945231274	N	0	N
YKT6	0.945311099	N	1	N
AC005332.2	0.945403406	N	0	N
AC009078.1	0.945403406	N	0	N
AC009716.2	0.945403406	N	0	N
AC018521.5	0.945403406	N	0	N
AC078881.1	0.945403406	N	0	N
AC090198.1	0.945403406	N	0	N
ACSL1	0.945403406	N	44	N
ADRA2C	0.945403406	N	5	N
AL356776.1	0.945403406	N	0	N
AL365214.2	0.945403406	N	0	N
ARID3A	0.945403406	N	0	N
C9orf170	0.945403406	N	0	N
CST6	0.945403406	N	1	N
FAM180A	0.945403406	N	0	N
FRAT1	0.945403406	N	5	N
FRMD1	0.945403406	N	0	N
GPR63	0.945403406	N	0	N
IPP	0.945403406	N	74	N
KCNJ2-AS1	0.945403406	N	0	N
LRIT3	0.945403406	N	0	N
PCSK1N	0.945403406	N	5	N
PDCD6IPP1	0.945403406	N	0	N
PI4KB	0.945403406	N	1	N
PMS2P3	0.945403406	N	0	N
RBKS	0.945403406	N	0	N
TIMM23	0.945403406	N	0	N
USP11	0.945403406	N	1	N
ELMSAN1	0.945459418	N	0	N
ETV2	0.945506219	N	0	N
TSGA13	0.945545227	N	0	N
ROGDI	0.94565472	N	0	N
AC004801.7	0.945659108	N	0	N
GPAA1	0.945659108	N	0	N
GUCA1B	0.945659108	N	0	N
AC006277.1	0.945753779	N	0	N
AC084017.1	0.945753779	N	0	N
AC098820.1	0.945753779	N	0	N
AL353997.2	0.945753779	N	0	N
CCL28	0.945753779	N	3	N
CLVS1	0.945753779	N	0	N
POLR3GL	0.945753779	N	0	N
VPS51	0.945753779	N	1	N
ZNF24	0.945753779	N	0	N
GTPBP8	0.945763338	N	0	N
USP32P1	0.945825958	N	0	N
SH2D5	0.945842437	N	0	N
CA5BP1	0.945845184	N	0	N
AL022344.2	0.945860612	N	0	N
GPR180	0.946053625	N	0	N
HS6ST1P1	0.946053625	N	0	N
IL10	0.946053625	N	660	Y
AC245052.3	0.946110962	N	0	N
AL162171.1	0.946110962	N	0	N
AL845472.1	0.946110962	N	0	N
PER1	0.946110962	N	61	N
KRT13	0.946210848	N	0	N
SYNE1	0.946210848	N	0	N
CCND3P1	0.946353452	N	0	N
ATF5	0.946446453	N	4	N
ELOCP18	0.946446453	N	0	N
SPATA1	0.946446453	N	0	N
AC025259.2	0.946449049	N	0	N
KXD1	0.946508146	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
PAPD5	0.946508146	N	0	N
ZNF19	0.946508146	N	0	N
AC007614.5	0.946546322	N	0	N
AC074029.2	0.946546322	N	0	N
AC104986.1	0.946546322	N	0	N
AL161901.1	0.946546322	N	0	N
AL357153.4	0.946546322	N	0	N
AL603766.1	0.946546322	N	0	N
CCDC14	0.946546322	N	1	N
LINC00632	0.946546322	N	0	N
MRAP2	0.946546322	N	1	N
MTRF1	0.946546322	N	0	N
PLOD3	0.946546322	N	1	N
SLC1A3	0.946546322	N	10	N
TRIM5	0.946546322	N	0	N
FLJ16779	0.946637667	N	0	N
TMBIM1	0.946725091	N	2	N
SDHAF2	0.946727381	N	0	N
AC127070.1	0.946732521	N	0	N
AC234781.2	0.946878002	N	0	N
H2BFM	0.946878002	N	0	N
TACR1	0.946878002	N	4	N
AP001062.3	0.946912979	N	0	N
EFCAB7	0.946943342	N	0	N
EXOC7	0.946943342	N	7	N
MAPK9	0.946943342	N	7	N
RBM6	0.946943342	N	1	N
TBC1D10C	0.946943342	N	0	N
TYMP	0.946943342	N	0	N
AC130371.2	0.947077421	N	0	N
AC234782.4	0.947077421	N	0	N
AL031651.1	0.947077421	N	0	N
AL133492.1	0.947077421	N	0	N
AL136038.4	0.947077421	N	0	N
AL590867.2	0.947077421	N	0	N
AP005403.1	0.947077421	N	0	N
AP006285.2	0.947077421	N	0	N
FKBP5	0.947077421	N	18	N
GRM6	0.947077421	N	0	N
KLF6	0.947077421	N	11	N
LINC01226	0.947077421	N	0	N
POLR2J4	0.947077421	N	0	N
PQLC1	0.947077421	N	0	N
SEMA3F-AS1	0.947077421	N	0	N
ZNF518A	0.947077421	N	0	N
ABCC2	0.947093639	N	7	N
AC092143.1	0.947093639	N	0	N
AC125494.2	0.947093639	N	0	N
AP001180.5	0.947093639	N	0	N
CABLES1	0.947093639	N	2	N
CORO7-PAM16	0.947093639	N	0	N
DEAF1	0.947093639	N	1	N
FAM19A2	0.947093639	N	1	N
IDH3G	0.947093639	N	2	N
LIN28A	0.947093639	N	13	N
LINC01819	0.947093639	N	0	N
MPV17L	0.947093639	N	0	N
NOS1	0.947093639	N	75	N
SPDYA	0.947093639	N	0	N
ZBTB39	0.947093639	N	0	N
AC121338.2	0.947137108	N	0	N
AC138517.1	0.947137108	N	0	N
AL450003.2	0.947137108	N	0	N
C17orf49	0.947137108	N	0	N
GLUD1P2	0.947137108	N	0	N
LINC02133	0.947137108	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
ATG4C	0.947232783	N	0	N
BRSK2	0.947232783	N	7	N
TMEM39B	0.947232783	N	0	N
HLF	0.947341389	N	17	N
LINC01521	0.947341389	N	0	N
AC012322.1	0.947379322	N	0	N
AC133065.5	0.947379322	N	0	N
AC245041.1	0.947379322	N	0	N
ANXA6	0.947379322	N	3	N
CREB5	0.947379322	N	2	N
HEBP2	0.947379322	N	0	N
KRBOX1	0.947379322	N	0	N
SNORA47	0.947379322	N	0	N
AC008764.10	0.94738002	N	0	N
LAMTOR2	0.94738002	N	0	N
LRRC29	0.94738002	N	0	N
PLAC8L1	0.94738002	N	0	N
AL121718.1	0.947412976	N	0	N
AC092164.1	0.947437533	N	0	N
BCKDHA	0.947437533	N	6	N
SDCCAG3P1	0.947437533	N	0	N
SORT1	0.947437533	N	10	N
GPRC5D-AS1	0.947463132	N	0	N
UBE3C	0.947463132	N	1	N
AC004490.1	0.947609955	N	0	N
AL162741.1	0.947609955	N	0	N
ATP6V0E1P2	0.947609955	N	0	N
C5orf66	0.947609955	N	0	N
COX11P1	0.947609955	N	0	N
DUSP5P1	0.947609955	N	0	N
HSPE1P26	0.947609955	N	0	N
KB-1674E1.2	0.947609955	N	0	N
LINC01569	0.947609955	N	0	N
NDUFB11P1	0.947609955	N	0	N
PTCSC3	0.947609955	N	1	N
UNC119	0.947609955	N	0	N
ZNF416	0.947609955	N	0	N
SLC39A8	0.947628965	N	4	N
WDR18	0.947628965	N	0	N
IRF2BPL	0.947640676	N	0	N
METTL23	0.947640676	N	0	N
RACK1	0.947640676	N	31	N
GAPDH	0.947738472	N	185	Y
REEP2	0.947738472	N	0	N
SNRNP70	0.947738472	N	0	N
VPS45	0.947738472	N	1	N
ZBTB8OSP2	0.947738472	N	0	N
AHCYP7	0.947908888	N	0	N
CHRN2	0.947908888	N	1	N
FDFT1	0.947908888	N	4	N
PDE4A	0.947908888	N	3	N
RANBP2	0.947908888	N	2	N
TMEM179	0.947908888	N	0	N
TMEM99	0.947908888	N	0	N
TTC23	0.947908888	N	0	N
EPHA3	0.947925069	N	8	N
AC008708.2	0.947930458	N	0	N
CALU	0.947930458	N	23	N
MYO1C	0.947930458	N	17	N
SCARNA13	0.947930458	N	0	N
TMIGD3	0.947930458	N	0	N
ULK2	0.947930458	N	5	N
WASH3P	0.947930458	N	0	N
MTX2	0.948003247	N	0	N
LDLRAD3	0.948143251	N	0	N
NOCT	0.948209121	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
NOL3	0.948215205	N	2	N
TMEM256	0.948294393	N	0	N
AC005616.1	0.94842423	N	0	N
AL354714.2	0.94842423	N	0	N
XPO6	0.94843003	N	0	N
ZNHIT1	0.948433264	N	0	N
SPOPL	0.948441625	N	0	N
AL596247.1	0.948449388	N	0	N
CLUH	0.948570688	N	0	N
IRS1	0.948570688	N	1000	Y
TCEAL3	0.948570688	N	0	N
GCNT1	0.948594207	N	0	N
PRKCZ	0.948594207	N	11	N
UBL5	0.948594207	N	6	N
KCNK4	0.948639367	N	0	N
AC087280.1	0.948834311	N	0	N
BECN1	0.948834311	N	43	N
CXCR6	0.948834311	N	2	N
KIAA0408	0.948834311	N	0	N
LINC01238	0.948834311	N	0	N
RPL21	0.948834311	N	0	N
ZBTB18	0.948834311	N	0	N
AC005392.1	0.948886746	N	0	N
AC092683.1	0.948886746	N	0	N
BLOC1S6	0.948886746	N	0	N
TRIM56	0.948886746	N	0	N
INAFM1	0.948997576	N	0	N
RPRD1B	0.948997576	N	0	N
ZNF300P1	0.948997576	N	0	N
ATP6V1E1P1	0.949048283	N	0	N
PEX10	0.949048283	N	0	N
CCDC28A	0.949163788	N	0	N
IL17RD	0.949163788	N	3	N
KCNK3	0.949163788	N	1	N
AC103591.2	0.949173684	N	0	N
EPM2AIP1	0.949173684	N	1	N
LGII	0.949173684	N	0	N
UNC13B	0.949173684	N	5	N
AL024493.1	0.949250024	N	0	N
CD160	0.949250024	N	0	N
MORN2	0.949250024	N	0	N
PTPN18	0.949250024	N	1	N
LINC02421	0.949260878	N	0	N
REXO1	0.949365966	N	0	N
TNFRSF10A	0.949412107	N	4	N
AC007848.2	0.949510786	N	0	N
AP000786.1	0.949510786	N	0	N
C6orf203	0.949510786	N	0	N
STRA6	0.949510786	N	18	N
RAB17	0.949524561	N	0	N
AC027601.3	0.949560599	N	0	N
MIPEP	0.949560599	N	0	N
AC008875.1	0.949604647	N	0	N
HINT1P1	0.949604647	N	0	N
RRP8	0.949604647	N	0	N
SAMM50P1	0.949604647	N	0	N
AL356056.1	0.949691645	N	0	N
C21orf62	0.949725496	N	0	N
MRPL4	0.949725496	N	0	N
RFXAP	0.949725496	N	0	N
CNOT7P2	0.949767993	N	0	N
FKBP1C	0.949767993	N	0	N
SOX30	0.949767993	N	0	N
AC018665.1	0.949809867	N	0	N
AC108704.2	0.949809867	N	0	N
SLC6A10P	0.949809867	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
H2AFY2	0.949890064	N	0	N
AC015818.2	0.94993913	N	0	N
AL365184.1	0.94993913	N	0	N
EFS	0.94993913	N	42	N
EIF4E2	0.94993913	N	1	N
GOLGA2P1	0.94993913	N	0	N
NELFA	0.94993913	N	0	N
MOB2	0.949948289	N	1	N
CCDC22	0.950120029	N	0	N
CTBP1-AS2	0.950120029	N	0	N
SMARCAD1	0.950120029	N	1	N
AC025423.3	0.950139826	N	0	N
AC114763.1	0.950139826	N	0	N
AC244517.11	0.950139826	N	0	N
FAM193B	0.950139826	N	0	N
GPBP1L1	0.950139826	N	0	N
GPR12	0.950139826	N	0	N
MIPEPP1	0.950139826	N	0	N
MVB12A	0.950139826	N	0	N
NPIPP1	0.950139826	N	0	N
RAP2C	0.950139826	N	0	N
AC007881.3	0.950140173	N	0	N
AC090152.1	0.950140173	N	0	N
AC091691.1	0.950140173	N	0	N
AC096733.2	0.950140173	N	0	N
AC099689.1	0.950140173	N	0	N
ACTR2	0.950140173	N	2	N
ANKRD18B	0.950140173	N	0	N
ANO9	0.950140173	N	0	N
BCAP31	0.950140173	N	1	N
C11orf58	0.950140173	N	0	N
CLDN15	0.950140173	N	0	N
CNTN1	0.950140173	N	1	N
DDAH2	0.950140173	N	7	N
FAM206A	0.950140173	N	0	N
GAD2	0.950140173	N	12	N
IPO8P1	0.950140173	N	0	N
POM121C	0.950140173	N	1	N
PPP1R12C	0.950140173	N	0	N
SLC13A5	0.950140173	N	9	N
TMEM158	0.950140173	N	0	N
TMEM164	0.950140173	N	0	N
ZFYVE27	0.950140173	N	0	N
ZPR1	0.950140173	N	1	N
TIPRL	0.950259306	N	0	N
AC004057.1	0.950360884	N	0	N
AC016027.1	0.950360884	N	0	N
AC018653.3	0.950360884	N	0	N
AC068631.1	0.950360884	N	0	N
AC104938.1	0.950360884	N	0	N
ACTR3	0.950360884	N	1	N
AL358176.3	0.950360884	N	0	N
AL512286.1	0.950360884	N	0	N
CAPN3	0.950360884	N	6	N
FGL2	0.950360884	N	1	N
MAL2	0.950360884	N	1	N
NR2F1	0.950360884	N	3	N
VPS4B	0.950360884	N	1	N
YIF1B	0.950360884	N	0	N
AC068338.3	0.950492717	N	0	N
AC105114.1	0.950492717	N	0	N
AC124944.3	0.950492717	N	0	N
CLIC3	0.950513009	N	0	N
PAXBP1-AS1	0.950517074	N	0	N
AC024243.1	0.950578546	N	0	N
AC016877.3	0.950584827	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC093249.6	0.950584827	N	0	N
AC234582.1	0.950584827	N	0	N
AIFM3	0.950584827	N	0	N
CCDC88C	0.950584827	N	0	N
COX4I1P1	0.950584827	N	0	N
MSANTD3	0.950584827	N	0	N
PLXNB3	0.950584827	N	0	N
RPL41P2	0.950584827	N	0	N
TNK1	0.950584827	N	0	N
TRAPPC12	0.950584827	N	0	N
DYNC1I2	0.950591589	N	0	N
TRMT5	0.950591589	N	0	N
SLC28A3	0.950600952	N	2	N
SRD5A3-AS1	0.950600952	N	0	N
EIF4G2	0.950623235	N	1	N
LINC02256	0.950753527	N	0	N
EIF2D	0.950883173	N	0	N
Z98043.1	0.950987831	N	0	N
AC026474.1	0.951031363	N	0	N
AC073109.1	0.951031363	N	0	N
AC083836.1	0.951031363	N	0	N
AC092802.1	0.951031363	N	0	N
AC131235.1	0.951031363	N	0	N
ACAP1	0.951031363	N	2	N
AL121578.1	0.951031363	N	0	N
C9orf43	0.951031363	N	0	N
CNN2P4	0.951031363	N	0	N
CPHLIP	0.951031363	N	0	N
DPH6	0.951031363	N	0	N
FOXP4	0.951031363	N	2	N
GPR37	0.951031363	N	1	N
HMSD	0.951031363	N	0	N
ITGA7	0.951031363	N	2	N
KLF5	0.951031363	N	9	N
LYSMD2	0.951031363	N	0	N
NDUFAF4P1	0.951031363	N	0	N
NDUFB9P2	0.951031363	N	0	N
NEDD8-MDP1	0.951031363	N	0	N
PRR36	0.951031363	N	0	N
PTMS	0.951031363	N	42	N
PYCARD	0.951031363	N	12	N
RAB1B	0.951031363	N	1	N
RN7SKP231	0.951031363	N	0	N
RPS15AP10	0.951031363	N	0	N
U47924.2	0.951031363	N	0	N
WDR66	0.951031363	N	0	N
WDR73	0.951031363	N	0	N
AL596223.1	0.951032661	N	0	N
SEMA5A-AS1	0.951032661	N	0	N
AC027559.1	0.951154094	N	0	N
AL078581.1	0.951154094	N	0	N
DNAH12	0.951154094	N	0	N
RNF121	0.951243542	N	0	N
PPP2R5C	0.951280626	N	2	N
LINC00909	0.951324626	N	0	N
AARS	0.95134044	N	2	N
ABR	0.95134044	N	61	N
AC003681.1	0.95134044	N	0	N
AC004686.1	0.95134044	N	0	N
AC008735.1	0.95134044	N	0	N
AC011468.5	0.95134044	N	0	N
AC103591.1	0.95134044	N	0	N
AC105411.1	0.95134044	N	0	N
ADK	0.95134044	N	9	N
AL109804.1	0.95134044	N	0	N
AL357568.2	0.95134044	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AL391244.3	0.95134044	N	0	N
ALAD	0.95134044	N	2	N
C19orf73	0.95134044	N	0	N
CD59	0.95134044	N	20	N
CD63	0.95134044	N	18	N
CHD7	0.95134044	N	1	N
COBLL1	0.95134044	N	6	N
COQ8B	0.95134044	N	0	N
CTNND2	0.95134044	N	1	N
E2F6	0.95134044	N	0	N
EHHADH	0.95134044	N	4	N
ENAM	0.95134044	N	2	N
FGF18	0.95134044	N	8	N
FXR2	0.95134044	N	4	N
GALK2	0.95134044	N	0	N
GRIK4	0.95134044	N	1	N
HERC6	0.95134044	N	0	N
HESX1	0.95134044	N	10	N
IER5L	0.95134044	N	1	N
IRF5	0.95134044	N	8	N
LINC02012	0.95134044	N	0	N
LRRC37A15P	0.95134044	N	0	N
MCU	0.95134044	N	29	N
METTL7B	0.95134044	N	0	N
MGMT	0.95134044	N	17	N
MYO7B	0.95134044	N	0	N
NAA60	0.95134044	N	0	N
NACA3P	0.95134044	N	0	N
PFN2	0.95134044	N	1	N
RASSF9	0.95134044	N	0	N
RGMA	0.95134044	N	1	N
RN7SL141P	0.95134044	N	0	N
RPL32	0.95134044	N	3	N
RPS19	0.95134044	N	1	N
RPS3AP37	0.95134044	N	0	N
RTP5	0.95134044	N	0	N
SCG5	0.95134044	N	14	N
SLC25A1	0.95134044	N	4	N
SNORA26	0.95134044	N	0	N
TBC1D4	0.95134044	N	200	Y
TEPSIN	0.95134044	N	0	N
TMSB15B	0.95134044	N	0	N
TSPAN17	0.95134044	N	0	N
UAP1	0.95134044	N	0	N
USP12	0.95134044	N	0	N
WDR91	0.95134044	N	0	N
ZNF600	0.95134044	N	0	N
MLANA	0.95142984	N	1	N
TUBB3	0.95142984	N	5	N
AC104662.3	0.951443243	N	0	N
DUSP6	0.951443243	N	17	N
NUDT11	0.951443243	N	0	N
PHTF2	0.951461565	N	0	N
SMARCA4	0.951461565	N	4	N
AL606534.5	0.951504174	N	0	N
APIAR	0.951504174	N	0	N
CASP9	0.951504174	N	49	N
COMMD9	0.951504174	N	0	N
FAM217B	0.951504174	N	0	N
RPP25L	0.951504174	N	0	N
TMEM33	0.951504174	N	0	N
CCDC117	0.951579911	N	1	N
RFLNB	0.951579911	N	0	N
TMSB4Y	0.951579911	N	0	N
XRCC6P1	0.951579911	N	0	N
AC006547.1	0.951626442	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
CD109	0.951626442	N	0	N
TPCN2	0.951626442	N	8	N
ZNF770	0.951626442	N	0	N
CCT6P3	0.95163999	N	0	N
AC023512.1	0.951644872	N	0	N
INS-IGF2	0.951748111	N	28	N
SEPT8	0.951759501	N	0	N
AC005476.1	0.951759501	N	0	N
AC090739.1	0.951759501	N	0	N
AC126763.1	0.951759501	N	0	N
AL031055.1	0.951759501	N	0	N
BX322557.1	0.951759501	N	0	N
C19orf60	0.951759501	N	0	N
CYP4F3	0.951759501	N	0	N
DNAH9	0.951759501	N	0	N
ENPP4	0.951759501	N	0	N
GGT5	0.951759501	N	0	N
MTMR9	0.951759501	N	2	N
RP11-102K13.5	0.951759501	N	0	N
RP11-337C18.9	0.951759501	N	0	N
SALRNA3	0.951759501	N	0	N
SNORA14B	0.951759501	N	0	N
SULT1A3	0.951759501	N	1	N
USP2-AS1	0.951759501	N	0	N
CAGE1	0.951762769	N	0	N
AC117382.2	0.951812153	N	0	N
KCNT1	0.951812153	N	0	N
MALSU1	0.951812153	N	0	N
QARS	0.951812153	N	0	N
ZNF512B	0.951812153	N	0	N
AC018809.2	0.951899396	N	0	N
AC024909.3	0.951899396	N	0	N
AC026464.5	0.951899396	N	0	N
AC097374.1	0.951899396	N	0	N
AC112250.1	0.951899396	N	0	N
AL158154.2	0.951899396	N	0	N
AP001979.1	0.951899396	N	0	N
CHMP4BP1	0.951899396	N	0	N
FCAR	0.951899396	N	0	N
PCNPP3	0.951899396	N	0	N
RBM22	0.951899396	N	0	N
SLC25A14	0.951899396	N	7	N
SLC35C1	0.951899396	N	0	N
SSTR4	0.951899396	N	25	N
ZFP57	0.951899396	N	7	N
AL035252.3	0.952041845	N	0	N
AL358072.1	0.952041845	N	0	N
CES2	0.952041845	N	6	N
RAD17	0.952041845	N	1	N
AC012513.3	0.952332201	N	0	N
C17orf105	0.952332201	N	0	N
AC240504.1	0.952365508	N	0	N
C11orf74	0.952365508	N	0	N
RPS17	0.952375287	N	0	N
CROCCP3	0.952381655	N	0	N
LINC01004	0.952381655	N	0	N
TEX261	0.952381655	N	0	N
TMBIM4	0.952381655	N	0	N
STT3A	0.952505315	N	1	N
AC026412.1	0.952548001	N	0	N
TDRD1	0.952548001	N	1	N
SOBP	0.952685623	N	0	N
FBXL19	0.952786475	N	0	N
HEXIM1	0.952802554	N	2	N
PRKRA	0.952802554	N	0	N
PTGS1	0.952802554	N	33	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
RPS26P21	0.952802554	N	0	N
PKMP5	0.952940283	N	0	N
PPP1R3E	0.952940283	N	1	N
SH3GL2	0.952940283	N	0	N
AL390719.1	0.953147257	N	0	N
AP000808.1	0.953289994	N	0	N
CLCN1	0.953289994	N	2	N
CUL4A	0.953289994	N	4	N
MPHOSPH10	0.953289994	N	1	N
RPS10P7	0.953289994	N	0	N
SRGAP2	0.953289994	N	1	N
TGFB1	0.953289994	N	272	Y
AP002518.1	0.953327653	N	0	N
SLC22A14	0.953327653	N	0	N
CISH	0.953342905	N	16	N
TMEM170A	0.953372377	N	0	N
PNPLA8	0.953417186	N	0	N
AC004584.3	0.95354345	N	0	N
AKAP8L	0.95354345	N	0	N
ATF4P3	0.95354345	N	0	N
IFI35	0.95354345	N	0	N
KCNJ2	0.95354345	N	2	N
MAP7D1	0.95354345	N	0	N
MPG	0.95354345	N	134	Y
RN7SL396P	0.95354345	N	0	N
SETDB1	0.95354345	N	1	N
SLC5A12	0.95354345	N	1	N
SYMPK	0.95354345	N	0	N
AC093627.4	0.95366296	N	0	N
AP1M2	0.95366296	N	0	N
PLEKHD1	0.95366296	N	0	N
FUNDC2P2	0.953665541	N	0	N
SHANK1	0.953665541	N	4	N
IFI27L1	0.953713738	N	0	N
PRKCZ-AS1	0.953713738	N	0	N
RN7SL371P	0.953713738	N	0	N
AC139099.4	0.953805285	N	0	N
AL021807.1	0.953805285	N	0	N
AL356258.1	0.953805285	N	0	N
AL627171.1	0.953805285	N	0	N
CTDP1	0.953805285	N	0	N
NENF	0.953805285	N	0	N
RN7SL735P	0.953805285	N	0	N
SIK3-IT1	0.953805285	N	0	N
VPS9D1-AS1	0.953805285	N	0	N
ADAMTS15	0.95389996	N	0	N
ZNF285	0.95389996	N	0	N
MTMR11	0.953912333	N	0	N
ABRAXAS1	0.953927189	N	0	N
AC005696.4	0.953927189	N	0	N
AC025857.2	0.953927189	N	0	N
GFM1	0.953927189	N	0	N
LINC02564	0.953927189	N	0	N
NANOGP5	0.953927189	N	0	N
TOR4A	0.953927189	N	0	N
AC025449.1	0.953982991	N	0	N
RALY-AS1	0.953982991	N	0	N
AC006064.1	0.953998395	N	0	N
AL442663.3	0.954037908	N	0	N
ADI1	0.954044636	N	0	N
ANKRD49	0.954044636	N	0	N
AC087741.3	0.954097745	N	0	N
AC104563.1	0.954097745	N	0	N
AL359715.4	0.954097745	N	0	N
C4orf48	0.954097745	N	0	N
FNDC10	0.954097745	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
SETD3	0.954097745	N	0	N
TRPT1	0.954097745	N	0	N
ZNF295-AS1	0.954097745	N	0	N
BSN	0.954097834	N	8	N
AC110769.3	0.954120624	N	0	N
CNOT10	0.954128532	N	0	N
E2F3P2	0.954209158	N	0	N
SNORA71D	0.954209158	N	0	N
AC084783.1	0.954244199	N	0	N
LINC01715	0.954244199	N	0	N
AC091806.1	0.954252663	N	0	N
AC100774.1	0.954252663	N	0	N
AC137834.2	0.954252663	N	0	N
C1orf158	0.954252663	N	0	N
DDX31	0.954252663	N	0	N
DOCK2	0.954252663	N	2	N
MYZAP	0.954252663	N	0	N
NCF1	0.954252663	N	4	N
NFIB	0.954252663	N	9	N
PDCD7	0.954252663	N	0	N
PRUNE2	0.954252663	N	0	N
SLC1A2	0.954252663	N	10	N
SLC37A2	0.954252663	N	1	N
SPSB3	0.954252663	N	0	N
ZNF107	0.954252663	N	0	N
ATP5O	0.954391254	N	4	N
AC074091.1	0.954398272	N	0	N
AC244131.2	0.954398272	N	0	N
SOD1	0.954402619	N	159	Y
AC109458.1	0.954648941	N	0	N
CCDC188	0.954648941	N	0	N
CRTC1	0.954648941	N	36	N
TMEM209	0.954648941	N	0	N
GNAI2P1	0.954798115	N	0	N
LINC00895	0.954828916	N	0	N
LRP3	0.954932662	N	0	N
AC245052.5	0.955014378	N	0	N
AL390066.1	0.955014378	N	0	N
RNF144A	0.955028047	N	0	N
AC246787.1	0.955126249	N	0	N
B3GALT4	0.955189676	N	0	N
FLCN	0.955189676	N	2	N
MAGI2	0.955189676	N	0	N
AC007032.1	0.955199997	N	0	N
KDELC1P1	0.955199997	N	0	N
AC006001.3	0.955225788	N	0	N
AC007370.2	0.955225788	N	0	N
AC008021.1	0.955225788	N	0	N
DLG5	0.955225788	N	1	N
HES1	0.955225788	N	67	N
TMEM44	0.955225788	N	0	N
EDA	0.955230861	N	35	N
AC073488.1	0.955331714	N	0	N
AC074212.1	0.955331714	N	0	N
AC006028.1	0.955404829	N	0	N
AC040934.1	0.955520659	N	0	N
AC113367.1	0.955520659	N	0	N
AL021918.1	0.955520659	N	0	N
AL159153.1	0.955520659	N	0	N
LEMD2	0.955520659	N	0	N
RPS16P5	0.955520659	N	0	N
SBF1P1	0.955520659	N	0	N
SLC25A16	0.955520659	N	0	N
CYCSP23	0.955552145	N	0	N
AL157400.3	0.95562087	N	0	N
CCNT2-AS1	0.95562087	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
CORO1C	0.95562087	N	0	N
DENND1A	0.95562087	N	11	N
FAM69B	0.95562087	N	0	N
RPS29P3	0.95562087	N	0	N
ZBTB40	0.95562087	N	0	N
DOCK8	0.955639689	N	1	N
KIAA0100	0.955639689	N	0	N
FNBP1P1	0.955679351	N	0	N
AC022075.1	0.955760809	N	0	N
EEF1DP5	0.955780605	N	0	N
EXOC5	0.955780605	N	1	N
MRI1	0.955792846	N	0	N
PKN2-AS1	0.955792846	N	0	N
AC005725.1	0.955840077	N	0	N
AC015712.6	0.955840077	N	0	N
AC019270.1	0.955840077	N	0	N
AC021086.1	0.955840077	N	0	N
AC022400.9	0.955840077	N	0	N
AC027287.1	0.955840077	N	0	N
AC105105.2	0.955840077	N	0	N
ACADS	0.955840077	N	7	N
ACTN2	0.955840077	N	3	N
AL049875.1	0.955840077	N	0	N
ALPK1	0.955840077	N	1	N
BRD7P4	0.955840077	N	0	N
CCDC140	0.955840077	N	0	N
CCDC151	0.955840077	N	0	N
COL7A1	0.955840077	N	0	N
DIRAS3	0.955840077	N	2	N
DIS3L2	0.955840077	N	3	N
GUCY1B3	0.955840077	N	1	N
IMPDH1P5	0.955840077	N	0	N
MBTPS1	0.955840077	N	1	N
MKKS	0.955840077	N	0	N
MMP12	0.955840077	N	10	N
NIFKP6	0.955840077	N	0	N
PDE7B	0.955840077	N	2	N
PPP1R1B	0.955840077	N	3	N
PRRT3	0.955840077	N	0	N
RARS	0.955840077	N	23	N
SNX8	0.955840077	N	1	N
SRM	0.955840077	N	63	N
STK39	0.955840077	N	8	N
SUSD1	0.955840077	N	0	N
TCTEX1D1	0.955840077	N	0	N
WAPL	0.955840077	N	0	N
AC073073.1	0.955862849	N	0	N
AC012512.1	0.956167884	N	0	N
AC016722.2	0.956167884	N	0	N
AC116337.1	0.956167884	N	0	N
BMS1	0.956167884	N	0	N
CTXN1	0.956167884	N	0	N
DNM1P35	0.956167884	N	0	N
GLRXP3	0.956167884	N	0	N
HGF	0.956167884	N	619	Y
TAF9BP1	0.956167884	N	0	N
TMCO3	0.956167884	N	0	N
ZNF394	0.956167884	N	0	N
ZBTB14	0.956189397	N	0	N
AL592076.1	0.956352576	N	0	N
AL671986.1	0.956352576	N	0	N
DVL2	0.956352576	N	3	N
SEC11A	0.956352576	N	0	N
YDJC	0.956352576	N	0	N
AC006059.1	0.956437418	N	0	N
TMSB15B	0.956437418	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
KCNIP4-IT1	0.956576039	N	0	N
ZBTB26	0.956656791	N	0	N
ADORA1	0.956684896	N	114	Y
AP000866.6	0.956684896	N	0	N
CAP1P2	0.956684896	N	0	N
LINC01121	0.956684896	N	0	N
SELENOS	0.956684896	N	6	N
SLC26A10	0.956684896	N	0	N
MCPH1	0.956782109	N	1	N
SULT1C4	0.956934825	N	0	N
AC004908.3	0.956963171	N	0	N
AC025031.2	0.956963171	N	0	N
DLST	0.956963171	N	2	N
RRN3	0.956963171	N	1	N
DDX19A	0.956968495	N	0	N
AC003102.2	0.957114244	N	0	N
AC011379.1	0.957114244	N	0	N
AC024896.1	0.957143346	N	0	N
AC083904.1	0.957157943	N	0	N
MAP3K12	0.957157943	N	0	N
AC009303.4	0.957345197	N	0	N
CCDC3	0.957345197	N	2	N
IQCB2P	0.957345197	N	0	N
MIOS	0.957345197	N	1	N
PLA2G15	0.957345197	N	0	N
AC027575.4	0.957397534	N	0	N
FBXO4	0.957397534	N	1	N
MAP3K6	0.957397534	N	0	N
MIR137HG	0.957397534	N	0	N
RPL22L1	0.957397534	N	0	N
SLC52A2	0.957397534	N	0	N
AC008750.8	0.957402627	N	0	N
GGT6	0.957402627	N	0	N
TUBA8	0.957469122	N	0	N
GXYLT1	0.95755	N	0	N
RNASEK	0.95756911	N	0	N
AL354733.2	0.957571347	N	0	N
FAM214B	0.957571347	N	0	N
LINC01436	0.957571347	N	0	N
MPIG6B	0.957571347	N	0	N
POTEF	0.957571347	N	0	N
ZNF20	0.957571347	N	0	N
ZRSR1	0.957571347	N	0	N
JMJD8	0.957612864	N	0	N
AC013472.3	0.957657382	N	0	N
ATF4P4	0.957657382	N	0	N
IPO7P2	0.957657382	N	0	N
AGAP2-AS1	0.957658992	N	0	N
AP002353.1	0.957658992	N	0	N
ATP5G2	0.957658992	N	3	N
LINC01836	0.957658992	N	0	N
PKMP4	0.957658992	N	0	N
SYDE1	0.957658992	N	0	N
TCF23	0.957658992	N	0	N
TMEM120A	0.957658992	N	0	N
VAMP3	0.957658992	N	40	N
RP11-346C20.4	0.957674425	N	0	N
AL512599.1	0.957700994	N	0	N
AC114271.1	0.957738369	N	0	N
LINC00957	0.957738369	N	0	N
THEM4	0.957738369	N	6	N
TRAPPC13	0.957738369	N	0	N
MYD88	0.957839356	N	123	Y
C1R	0.957965777	N	8	N
U91328.2	0.957985017	N	0	N
AF230666.2	0.958002692	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
FAM104B	0.958002692	N	0	N
TGIF2	0.958002692	N	3	N
KB-1674E1.1	0.958140156	N	0	N
FAM110D	0.958163204	N	0	N
PLEKHA3	0.958163204	N	0	N
A1BG-AS1	0.958223511	N	0	N
ZNF525	0.958223511	N	0	N
AL136115.2	0.95835802	N	0	N
PLEKHH3	0.958388349	N	0	N
DIMT1	0.95839936	N	0	N
AC009065.4	0.958405677	N	0	N
LDLRAD2	0.958405677	N	0	N
PNMA2	0.958405677	N	0	N
AC011504.1	0.958447353	N	0	N
AC060766.3	0.958447353	N	0	N
AC073548.1	0.958447353	N	0	N
AC103746.1	0.958447353	N	0	N
AL136360.1	0.958447353	N	0	N
AL357054.4	0.958447353	N	0	N
AP002495.1	0.958447353	N	0	N
BACH1-IT2	0.958447353	N	0	N
C12orf29	0.958447353	N	0	N
CNPY2	0.958447353	N	0	N
DARS	0.958447353	N	1	N
DPY19L1P1	0.958447353	N	0	N
ECHDC1	0.958447353	N	1	N
EML3	0.958447353	N	0	N
FBLL1	0.958447353	N	0	N
FBXO33	0.958447353	N	0	N
FSCN1	0.958447353	N	1	N
JOSD2	0.958447353	N	0	N
LSP1	0.958447353	N	2	N
MEAF6P1	0.958447353	N	0	N
MRPL30	0.958447353	N	0	N
MRPS33P3	0.958447353	N	0	N
PANX2	0.958447353	N	4	N
PICART1	0.958447353	N	0	N
PROX1-AS1	0.958447353	N	0	N
PYGB	0.958447353	N	4	N
RUBCN	0.958447353	N	0	N
SNORD3B-1	0.958447353	N	0	N
SORBS3	0.958447353	N	2	N
SRFBP1	0.958447353	N	1	N
TEX264	0.958447353	N	0	N
USMG5P1	0.958447353	N	0	N
USP44	0.958447353	N	0	N
WTIP	0.958447353	N	0	N
ZNF317	0.958447353	N	0	N
SUMO2P17	0.958590269	N	0	N
SYNPO	0.958692779	N	1	N
BX539320.1	0.95879361	N	0	N
THAP12P7	0.95879361	N	0	N
ZNF850	0.958807189	N	0	N
AC067863.2	0.95897416	N	0	N
AC104667.1	0.95897416	N	0	N
AL355032.1	0.95897416	N	0	N
AL627309.5	0.95897416	N	0	N
ANKRD23	0.95897416	N	2	N
CTC1	0.95897416	N	0	N
ECT2L	0.95897416	N	0	N
ELN	0.95897416	N	9	N
INF2	0.95897416	N	1	N
KCNS3	0.95897416	N	0	N
PAPPA-AS2	0.95897416	N	0	N
PRKAA1	0.95897416	N	66	N
USP32P2	0.95897416	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
ZNF732	0.95897416	N	0	N
RMND1	0.958980416	N	1	N
ACTBP12	0.958984296	N	0	N
AC024940.1	0.95902486	N	0	N
ADRB1	0.95902486	N	176	Y
ASB9	0.95902486	N	0	N
EML2	0.95902486	N	1	N
ERI3-IT1	0.95902486	N	0	N
MAP3K13	0.95902486	N	1	N
RBPMS	0.95902486	N	1	N
ROCK1P1	0.95902486	N	0	N
SFRP4	0.95902486	N	26	N
THAP12P8	0.95902486	N	0	N
TIMM9	0.95902486	N	1	N
AC016737.1	0.95904098	N	0	N
AC105446.1	0.959186293	N	0	N
PPP1R3A	0.959186293	N	19	N
RNPEPL1	0.959186293	N	0	N
SLC30A10	0.959186293	N	1	N
SNORA5A	0.959186293	N	0	N
PPP2R2C	0.959203271	N	1	N
ABHD5	0.959301689	N	27	N
AC009570.1	0.959301689	N	0	N
AC025470.1	0.959301689	N	0	N
ATP6V1E1	0.959301689	N	0	N
FAM105A	0.959301689	N	1	N
HTR1D	0.959301689	N	4	N
SCARNA10	0.959301689	N	0	N
AC087632.1	0.95942121	N	0	N
AC126755.1	0.959427645	N	0	N
TMEM253	0.959430656	N	0	N
AC098818.2	0.959552938	N	0	N
PIGO	0.959552938	N	1	N
SNORA38B	0.959552938	N	0	N
AC117503.4	0.959605814	N	0	N
ZNF670	0.959605814	N	0	N
AC009268.2	0.959611005	N	0	N
AC023830.3	0.959611005	N	0	N
AL022322.1	0.959611005	N	0	N
DPCD	0.959611005	N	0	N
DPH5	0.959611005	N	0	N
EPSTI1	0.959611005	N	0	N
FAM66A	0.959611005	N	0	N
HRK	0.959611005	N	8	N
KANK2	0.959611005	N	0	N
LDHA	0.959611005	N	31	N
RN7SL3	0.959611005	N	0	N
TRPV1	0.959611005	N	84	N
USHBP1	0.959611005	N	0	N
ZNF627	0.959611005	N	0	N
AC007620.2	0.959626638	N	0	N
AC093816.1	0.959626638	N	0	N
ERLIN2	0.959626638	N	1	N
IVNS1ABP	0.959626638	N	0	N
LINC02078	0.959626638	N	0	N
SNORA63C	0.959626638	N	0	N
AC026124.2	0.95970765	N	0	N
AC068792.1	0.95970765	N	0	N
AL139174.1	0.95970765	N	0	N
DNAJC5	0.95970765	N	0	N
GK	0.95970765	N	981	Y
SSTR1	0.95970765	N	60	N
ZNF410	0.95970765	N	1	N
AC079915.1	0.959749305	N	0	N
AC245100.2	0.959749305	N	0	N
AGO2	0.959749305	N	19	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AL121821.1	0.959749305	N	0	N
AL137246.1	0.959749305	N	0	N
APOL2	0.959749305	N	0	N
ARMC5	0.959749305	N	1	N
ARMC7	0.959749305	N	0	N
BACH2	0.959749305	N	8	N
CDON	0.959749305	N	0	N
FAM47E	0.959749305	N	0	N
FBXO22	0.959749305	N	0	N
FDX1	0.959749305	N	0	N
KDSR	0.959749305	N	0	N
METAP1	0.959749305	N	0	N
NCKAP1L	0.959749305	N	0	N
OR10Y1P	0.959749305	N	0	N
PIK3R1	0.959749305	N	85	N
PKD1	0.959749305	N	31	N
PKP4-AS1	0.959749305	N	0	N
RECQL5	0.959749305	N	0	N
RIT1	0.959749305	N	3	N
STK16	0.959749305	N	0	N
TPMT	0.959749305	N	0	N
UCK2	0.959749305	N	0	N
WDR24	0.959749305	N	0	N
ZNF236	0.959749305	N	0	N
AC012640.4	0.959755835	N	0	N
SS18L1	0.959760904	N	1	N
SAV1	0.959763836	N	3	N
KCNH7	0.95976794	N	0	N
RN7SL300P	0.95976794	N	0	N
AL139220.2	0.959796988	N	0	N
CAMK2B	0.959796988	N	5	N
AC090587.2	0.959865009	N	0	N
AC006120.1	0.959942746	N	0	N
CHMP2A	0.959942746	N	0	N
GEMIN7	0.959942746	N	0	N
LPAR5	0.959942746	N	1	N
TMEM81	0.959942746	N	0	N
DUSP23	0.960151266	N	0	N
AP003119.3	0.960193596	N	0	N
KCND3	0.960214153	N	2	N
LINC01465	0.960313638	N	0	N
AC007192.1	0.960325855	N	0	N
AC012181.2	0.960325855	N	0	N
C6orf106	0.960325855	N	0	N
NDUFA13	0.960325855	N	2	N
SNHG16	0.960325855	N	0	N
SNORA31	0.960325855	N	0	N
TMCC1-AS1	0.960325855	N	0	N
TMSB4X	0.960325855	N	0	N
ZNF239	0.960325855	N	0	N
CLSTN2	0.960389875	N	1	N
ABCB7	0.96042543	N	0	N
AC005479.1	0.96042543	N	0	N
AC025283.2	0.96042543	N	0	N
AC105235.1	0.96042543	N	0	N
AC109322.1	0.96042543	N	0	N
AC244517.4	0.96042543	N	0	N
AGPAT2	0.96042543	N	52	N
AL135925.1	0.96042543	N	0	N
AP000640.1	0.96042543	N	0	N
CHD3	0.96042543	N	0	N
COX6B1P1	0.96042543	N	0	N
FOSL1P1	0.96042543	N	0	N
HSF2	0.96042543	N	1	N
IRF8	0.96042543	N	2	N
LINC00824	0.96042543	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
MAPK8IP2	0.96042543	N	3	N
MAT2B	0.96042543	N	2	N
NMD3P1	0.96042543	N	0	N
OAS3	0.96042543	N	1	N
PCNX3	0.96042543	N	0	N
PRRC2A	0.96042543	N	1	N
PTER	0.96042543	N	10	N
SH3GL1	0.96042543	N	1	N
SLC47A1	0.96042543	N	3	N
SPOP	0.96042543	N	4	N
STARD9	0.96042543	N	0	N
TSEN15P1	0.96042543	N	0	N
TTN-AS1	0.96042543	N	0	N
ZBED5-AS1	0.96042543	N	0	N
ZBTB8A	0.96042543	N	0	N
PPP3CB-AS1	0.96049634	N	0	N
UBE2K	0.96049634	N	0	N
AC091152.1	0.960518237	N	0	N
DLGAP2	0.960518237	N	4	N
ZNF207	0.960546685	N	0	N
ZNF365	0.960573762	N	0	N
AL096865.1	0.960592328	N	0	N
PPP6R2	0.960592328	N	0	N
SEC61A2	0.960592328	N	1	N
AC105399.1	0.960611902	N	0	N
FSCN2	0.960611902	N	0	N
AC241584.1	0.960690415	N	0	N
ABCB6	0.960723478	N	1	N
AC005255.1	0.960723478	N	0	N
AL139011.2	0.960723478	N	0	N
AL590822.2	0.960723478	N	0	N
BCL2L2	0.960723478	N	2	N
CYP2D6	0.960723478	N	30	N
GNPNAT1	0.960723478	N	2	N
RTKN	0.960723478	N	0	N
USMG5	0.960745009	N	5	N
AC005412.2	0.96087041	N	0	N
NAPSA	0.960886139	N	0	N
NOV	0.960886139	N	1000	Y
TRIM35	0.960886139	N	0	N
CCDC114	0.960964353	N	0	N
PDLIM2	0.960964353	N	4	N
SMG8	0.960964353	N	0	N
RDH16	0.96096969	N	2	N
ZNF845	0.96096969	N	0	N
AC022558.3	0.960983204	N	0	N
AC104763.1	0.960983204	N	0	N
ALG1L2	0.960983204	N	0	N
CHST6	0.960983204	N	0	N
LZIC	0.960983204	N	0	N
RPS18	0.960983204	N	0	N
SDK2	0.960983204	N	0	N
ZNF3	0.960983204	N	0	N
DCUN1D1	0.960997584	N	0	N
ENO2	0.960997584	N	4	N
GCOM2	0.960997584	N	0	N
IFNWP19	0.960997584	N	0	N
PRKAR2A	0.960997584	N	4	N
RARB	0.960997584	N	2	N
SLC25A32	0.960997584	N	0	N
ZNF182	0.960997584	N	0	N
AC114324.2	0.961045214	N	0	N
AC136601.2	0.961045214	N	0	N
AC005498.3	0.961061222	N	0	N
RALGDS	0.961061222	N	16	N
SMAP2	0.961061222	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC041040.1	0.961079363	N	0	N
CELF5	0.961098802	N	0	N
AKR1A1	0.961171555	N	1	N
HIVEP3	0.961312978	N	0	N
KLHL20	0.961312978	N	0	N
ZNF597	0.961312978	N	0	N
ARID1A	0.961337654	N	5	N
C5orf22	0.961337654	N	0	N
HS3ST6	0.961337654	N	0	N
IARS2	0.961337654	N	0	N
ITGA2	0.961337654	N	5	N
SHISA5	0.961337654	N	0	N
SOX15	0.961337654	N	1	N
XPNPPE2	0.961337654	N	0	N
AC009053.1	0.96162083	N	0	N
AGFG1	0.96162083	N	2	N
IGSF9	0.96162083	N	0	N
RN7SL525P	0.96162083	N	0	N
CLYBL	0.961685921	N	0	N
AL160408.1	0.96172886	N	0	N
C19orf44	0.96172886	N	0	N
C19orf70	0.96172886	N	0	N
CHI3L2	0.96172886	N	3	N
FOSB	0.96172886	N	19	N
MTOR	0.96172886	N	1000	Y
YBX1P10	0.96172886	N	0	N
CHST1	0.961804821	N	0	N
GPRASP1	0.9619053	N	0	N
AC009269.6	0.961927518	N	0	N
LINC01419	0.961955789	N	0	N
AC079354.1	0.961994457	N	0	N
ACTRT3	0.961994457	N	0	N
AL596220.1	0.961994457	N	0	N
LDHAL6CP	0.961994457	N	0	N
PRR19	0.961994457	N	0	N
SIGLEC10	0.961994457	N	0	N
PNMA1	0.962028294	N	0	N
AL663058.1	0.962045717	N	0	N
FAM20C	0.962095789	N	2	N
LINC01662	0.962095789	N	0	N
TMEM200A	0.962095789	N	0	N
AL356277.3	0.962138398	N	0	N
SMIM20	0.962138398	N	0	N
ADIPOR1	0.962450202	N	404	Y
SNORA37	0.962450202	N	0	N
AC011462.4	0.9624996	N	0	N
NOC4L	0.96254402	N	0	N
AC008080.1	0.962597843	N	0	N
IAH1	0.962601323	N	0	N
PRR7	0.962746086	N	0	N
TEX36	0.962747217	N	0	N
PPP1R12A-AS1	0.962777461	N	0	N
RPL10	0.962777461	N	0	N
UBE2Q2P2	0.962819699	N	0	N
SEMA7A	0.962836196	N	0	N
AC011773.3	0.96287751	N	0	N
ER13	0.96287751	N	0	N
GNL3	0.96287751	N	0	N
POU5F1	0.96287751	N	51	N
ARSE	0.962890226	N	0	N
AC104532.2	0.962932925	N	0	N
AL139094.1	0.962932925	N	0	N
PMS2P10	0.962932925	N	0	N
MFNG	0.962943502	N	0	N
RNF215	0.962943502	N	0	N
IGF2	0.962944907	N	1000	Y

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
COL6A3	0.962987214	N	11	N
TRMT44	0.962987214	N	0	N
CIC	0.963005151	N	167	Y
RAB1C	0.963005151	N	0	N
ZNF644	0.963032395	N	0	N
STX8P1	0.963074982	N	0	N
AC005261.6	0.963224602	N	0	N
ASH2LP2	0.963224602	N	0	N
BCL7B	0.963224602	N	1	N
PIEZO1	0.963224602	N	4	N
ZNF721	0.963449381	N	0	N
MOBP	0.963463812	N	0	N
AC007750.1	0.963502492	N	0	N
AC012645.2	0.963502492	N	0	N
CLCN4	0.963502492	N	0	N
MAPK10	0.963675096	N	5	N
AC002128.1	0.963768913	N	0	N
CHERP	0.963768913	N	0	N
COTL1	0.963768913	N	0	N
RPGRIP1L	0.963768913	N	2	N
FAM35A	0.963773048	N	0	N
FAM92A1P1	0.96378474	N	0	N
HMOX1	0.96378474	N	324	Y
SLC12A9	0.96378474	N	0	N
AC104024.2	0.963808504	N	0	N
HMG5	0.963863812	N	2	N
PPIB	0.963863812	N	3	N
WNT2B	0.963863812	N	1	N
AC090373.1	0.963968413	N	0	N
AC107214.1	0.963968413	N	0	N
FIBP	0.963968413	N	0	N
MYOM2	0.963968413	N	0	N
TAX1BP3	0.963968413	N	7	N
PLEKHH2	0.963998729	N	0	N
SCNN1A	0.964266002	N	3	N
PCAT29	0.96432017	N	0	N
ZNF214	0.96432017	N	2	N
AC015813.4	0.964349129	N	0	N
AL353572.2	0.964349129	N	0	N
PLXNA2	0.964349129	N	1	N
AC005041.1	0.964391858	N	0	N
AC073621.1	0.964391858	N	0	N
AC079298.2	0.964391858	N	0	N
GALNT5	0.964391858	N	0	N
LINC02104	0.964391858	N	0	N
RN7SKP56	0.964391858	N	0	N
FAM21FP	0.964422481	N	0	N
CAPN12	0.964423806	N	0	N
AC011815.1	0.96463791	N	0	N
AC068491.3	0.96463791	N	0	N
AC116359.1	0.96463791	N	0	N
HDAC7	0.96463791	N	6	N
SNX14	0.964752653	N	0	N
AC048338.2	0.964811107	N	0	N
AL022326.1	0.964811107	N	0	N
AL357552.2	0.964811107	N	0	N
CEACAMP10	0.964811107	N	0	N
CEP295NL	0.964811107	N	0	N
DCAF13P1	0.964811107	N	0	N
DGKQ	0.964811107	N	0	N
KIF27	0.964811107	N	0	N
LIN7B	0.964811107	N	1	N
NPAT	0.964811107	N	0	N
PSMB8	0.964811107	N	3	N
RIMKLBP1	0.964811107	N	0	N
SMARCC1	0.964811107	N	1	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC008906.1	0.964954865	N	0	N
SETP6	0.964954865	N	0	N
KLHL21	0.96501122	N	0	N
AL133410.1	0.965062291	N	0	N
ZNF566	0.965062291	N	0	N
AC105339.2	0.965096562	N	0	N
ACTR6	0.965096562	N	0	N
METTL15	0.965096562	N	0	N
AC241585.2	0.965125944	N	0	N
KCNQ5	0.965125944	N	1	N
AC010615.2	0.965209277	N	0	N
AC048338.1	0.965209277	N	0	N
TMEM105	0.965209277	N	0	N
AC006116.2	0.965237086	N	0	N
AL136295.6	0.965284125	N	0	N
C2CD2L	0.965284125	N	2	N
FOXP2	0.965284125	N	2	N
GMDS	0.965284125	N	4	N
MTHFS	0.965284125	N	1	N
PRKCSH	0.965284125	N	4	N
TMEM30A	0.965284125	N	2	N
UBC	0.965284125	N	222	Y
ZNF354C	0.965284125	N	1	N
AC092447.5	0.965308909	N	0	N
AP003170.1	0.965500092	N	0	N
AL450306.1	0.965528991	N	0	N
C3AR1	0.965528991	N	1	N
CLNS1A	0.965528991	N	1	N
HERC2P4	0.965528991	N	0	N
NUPL2	0.965528991	N	0	N
RAC2	0.965528991	N	8	N
RASSF1-AS1	0.965528991	N	0	N
RPL22P13	0.965528991	N	0	N
AC005104.2	0.965608834	N	0	N
AL592148.1	0.965610741	N	0	N
AC010619.2	0.965617142	N	0	N
LINC01687	0.965617142	N	0	N
SLC26A7	0.965617142	N	1	N
HK1	0.965679367	N	27	N
AC127024.8	0.965684317	N	0	N
AL590617.2	0.965684317	N	0	N
CHRNA2	0.965684317	N	0	N
MKX	0.965684317	N	0	N
NDUFB3	0.965684317	N	2	N
PHLDA3	0.965684317	N	2	N
SDC1	0.965707135	N	18	N
ARHGAP30	0.965811748	N	0	N
B3GAT3	0.965811748	N	0	N
BICDL2	0.965811748	N	0	N
SYT14P1	0.96593855	N	0	N
USP35	0.965971587	N	0	N
UCHL3	0.965994083	N	3	N
CHURC1-FNTB	0.966086872	N	0	N
CDR1	0.966088404	N	4	N
MVD	0.966088404	N	41	N
OXR1	0.966088404	N	5	N
ZNF311	0.966088404	N	0	N
AC096772.1	0.966090953	N	0	N
AL590617.1	0.966090953	N	0	N
COX5B	0.966090953	N	4	N
CTA-732E4.1	0.966090953	N	0	N
DENND2A	0.966090953	N	0	N
EIF1B	0.966090953	N	0	N
RNF152	0.966090953	N	0	N
ZXDA	0.966090953	N	0	N
AC005076.1	0.966153359	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC026979.3	0.966153359	N	0	N
AC068473.5	0.966153359	N	0	N
AC105384.2	0.966153359	N	0	N
AL008638.6	0.966153359	N	0	N
AL355994.4	0.966153359	N	0	N
BPNT1	0.966153359	N	0	N
BX537318.2	0.966153359	N	0	N
CHCHD6	0.966153359	N	1	N
FRAT2	0.966153359	N	1	N
ILDR2	0.966153359	N	1	N
KLF4	0.966153359	N	55	N
MPLKIP	0.966153359	N	0	N
MTERF4	0.966153359	N	1	N
NEB	0.966153359	N	39	N
NPRL3	0.966153359	N	0	N
PABPC1P4	0.966153359	N	0	N
PAX7	0.966153359	N	53	N
PHYH	0.966153359	N	1	N
PLEKHA7	0.966153359	N	0	N
PXN	0.966153359	N	41	N
R3HDM2P2	0.966153359	N	0	N
RHOD	0.966153359	N	3	N
SCAND1	0.966153359	N	3	N
SEMA3F	0.966153359	N	1	N
SP140L	0.966153359	N	0	N
TPGS2	0.966153359	N	0	N
VPS26AP1	0.966153359	N	0	N
ZNF503-AS2	0.966153359	N	0	N
CR391992.1	0.966214492	N	0	N
BCAT2	0.966339549	N	9	N
ZNF688	0.966339549	N	0	N
AC009229.1	0.96635416	N	0	N
ADGRL3	0.96635416	N	1	N
AP002748.3	0.96635416	N	0	N
CCDC78	0.96635416	N	0	N
NPHP1	0.96635416	N	0	N
RAP1B	0.96635416	N	5	N
SLC25A39	0.96635416	N	0	N
NDUFS1	0.966362177	N	3	N
PLGRKT	0.966362177	N	1	N
SAMHD1	0.966447133	N	1	N
AC005176.1	0.966449451	N	0	N
AC006042.3	0.966449451	N	0	N
AC011389.1	0.966449451	N	0	N
AL513175.2	0.966449451	N	0	N
ERCC8	0.966449451	N	3	N
LINC02202	0.966449451	N	0	N
LMTK2	0.966449451	N	0	N
LRRC4B	0.966449451	N	0	N
MYOM1	0.966449451	N	1	N
DHRS4L1	0.966454788	N	0	N
SBSN	0.966553011	N	0	N
LRRN1	0.966619234	N	2	N
PHF23	0.966619234	N	0	N
SLC25A6P2	0.966619234	N	0	N
WWOX	0.966619234	N	8	N
AC036108.2	0.966652714	N	0	N
AL034549.2	0.966652714	N	0	N
KANSL1	0.966652714	N	0	N
SLC43A2	0.966652714	N	0	N
AC135050.6	0.966714147	N	0	N
C3orf58	0.966714147	N	1	N
PDXP	0.966714147	N	0	N
SLC2A6	0.966714147	N	2	N
SNORA80D	0.966714147	N	0	N
AC092127.1	0.96680991	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
DNAJC21	0.96682842	N	0	N
AC239803.1	0.966842442	N	0	N
GNPDA1	0.966842442	N	1	N
MYL6	0.966842442	N	1	N
S100PBP	0.966842442	N	0	N
TEAD3	0.966857506	N	1	N
AC092135.3	0.966903681	N	0	N
DOK1	0.966903681	N	14	N
INSM2	0.966903681	N	2	N
PGK1	0.966903681	N	12	N
ZNF474	0.966903681	N	0	N
HCG20	0.967086815	N	0	N
PTP4A1P7	0.967086815	N	0	N
TIGAR	0.967086815	N	6	N
TUNAR	0.967086815	N	0	N
AL132656.2	0.967136857	N	0	N
ATP6V0B	0.967136857	N	1	N
FASTKD5	0.967136857	N	0	N
HCG11	0.967136857	N	1	N
PNMA8B	0.967136857	N	0	N
CATSPER2	0.967329479	N	0	N
PYCR2	0.967359912	N	0	N
GRPR	0.967437561	N	3	N
AC004672.2	0.967470511	N	0	N
AC008549.2	0.967470511	N	0	N
AC090114.2	0.967470511	N	0	N
AC104390.1	0.967470511	N	0	N
AC130650.2	0.967470511	N	0	N
ADGRB2	0.967470511	N	1	N
AL359091.4	0.967470511	N	0	N
ATP9A	0.967470511	N	1	N
CBX7	0.967470511	N	1	N
CCNJP1	0.967470511	N	0	N
CDR1	0.967470511	N	4	N
DYNC111	0.967470511	N	0	N
EIF5A2	0.967470511	N	0	N
FCGBP	0.967470511	N	0	N
MEOX2	0.967470511	N	3	N
MSRB2	0.967470511	N	1	N
RN7SL33P	0.967470511	N	0	N
SRY	0.967470511	N	68	N
TIGD2	0.967470511	N	0	N
TRIP4	0.967470511	N	0	N
UBASH3B	0.967470511	N	0	N
USP27X	0.967470511	N	0	N
BCL2L14	0.967495433	N	0	N
C14orf119	0.967495433	N	0	N
AL360270.3	0.967609887	N	0	N
BRD3	0.967672597	N	2	N
C12orf50	0.967672597	N	0	N
MIEF2	0.967672597	N	0	N
MTRNR2L1	0.967672597	N	1	N
PLA2G12AP1	0.967672597	N	0	N
TACSTD2	0.967672597	N	2	N
TMEM178A	0.967672597	N	0	N
GNAI2	0.967929686	N	18	N
CISD1P1	0.96793516	N	0	N
HCN1	0.96793516	N	5	N
STARD3	0.96793516	N	4	N
AC090695.1	0.967959306	N	0	N
ABO	0.968103145	N	139	Y
CARMIL3	0.968103145	N	0	N
G0S2	0.968103145	N	35	N
ITGB1BP2	0.968103145	N	1	N
LINC00843	0.968103145	N	0	N
LINC01148	0.968103145	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
LINC01686	0.968103145	N	0	N
LMNA	0.968103145	N	151	Y
MAFA	0.968103145	N	452	Y
MEX3A	0.968103145	N	1	N
PKM	0.968103145	N	8	N
POLL	0.968103145	N	25	N
RADIL	0.968103145	N	0	N
RINT1	0.968103145	N	0	N
SRGAP2C	0.968103145	N	0	N
VAMP2	0.968103145	N	136	Y
ZFAND4	0.968103145	N	1	N
ZSCAN5A	0.968103145	N	0	N
AC002094.1	0.968129649	N	0	N
AC027544.2	0.968129649	N	0	N
AC073911.1	0.968129649	N	0	N
AC100810.1	0.968129649	N	0	N
AC122688.4	0.968129649	N	0	N
AC124798.1	0.968129649	N	0	N
AC130448.1	0.968129649	N	0	N
AC135050.5	0.968129649	N	0	N
AL031595.3	0.968129649	N	0	N
AL031727.1	0.968129649	N	0	N
AL049796.1	0.968129649	N	0	N
AL355297.4	0.968129649	N	0	N
AL512356.3	0.968129649	N	0	N
AOC2	0.968129649	N	0	N
AP003108.3	0.968129649	N	0	N
C1RL-AS1	0.968129649	N	0	N
C3orf38	0.968129649	N	0	N
CBLN4	0.968129649	N	1	N
CLMN	0.968129649	N	0	N
DOCK11P1	0.968129649	N	0	N
DUSP18	0.968129649	N	0	N
EIF3LP2	0.968129649	N	0	N
FAM225B	0.968129649	N	0	N
GAS8	0.968129649	N	0	N
HINFP	0.968129649	N	0	N
HSD3B7	0.968129649	N	0	N
IFT172	0.968129649	N	2	N
KIF21B	0.968129649	N	0	N
KRT18P59	0.968129649	N	0	N
LINC01301	0.968129649	N	0	N
MAN2A2	0.968129649	N	1	N
MRPL45	0.968129649	N	0	N
MRPS35	0.968129649	N	0	N
MST1	0.968129649	N	13	N
MYLIP	0.968129649	N	2	N
NOXA1	0.968129649	N	3	N
P4HA2	0.968129649	N	1	N
PFDN5	0.968129649	N	1	N
PIGG	0.968129649	N	5	N
PKD1L2	0.968129649	N	0	N
PP2D1	0.968129649	N	0	N
RN7SKP62	0.968129649	N	0	N
RNASEH2CP1	0.968129649	N	0	N
RPL15P3	0.968129649	N	0	N
SNRPB2	0.968129649	N	0	N
STOML1	0.968129649	N	0	N
TBC1D13	0.968129649	N	2	N
YWHAE	0.968129649	N	1	N
A1BG	0.968239704	N	3	N
ABHD6	0.968239704	N	6	N
AC010809.3	0.968239704	N	0	N
ALKBH3-AS1	0.968239704	N	0	N
CACNA1G	0.968239704	N	13	N
CAV2	0.968239704	N	25	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
CCSER1	0.968239704	N	0	N
DAB2IP	0.968239704	N	3	N
GBP6	0.968239704	N	1	N
GOLGA6L9	0.968239704	N	0	N
HCCS	0.968239704	N	84	N
JMJD6	0.968239704	N	1	N
KLHL42	0.968239704	N	0	N
MPST	0.968239704	N	2	N
NOS3	0.968239704	N	444	Y
PABPC1L	0.968239704	N	0	N
PCSK1	0.968239704	N	57	N
PPM1L	0.968239704	N	0	N
SLA2	0.968239704	N	0	N
SMG1P7	0.968239704	N	0	N
YWHAQ	0.968239704	N	1	N
JUP	0.968269104	N	5	N
RAD50	0.968269104	N	6	N
AC127024.2	0.968357745	N	0	N
CUZD1	0.968357745	N	0	N
FAM50B	0.968357745	N	0	N
TMEM254-AS1	0.968357745	N	0	N
UEVLD	0.968357745	N	0	N
XRN2	0.968357745	N	1	N
AC012613.2	0.968359355	N	0	N
AL590002.1	0.968359355	N	0	N
CCDC8	0.968359355	N	4	N
METAP1D	0.968359355	N	0	N
RP11-97O12.6	0.968359355	N	0	N
SUCLA2	0.968359355	N	1	N
AC002553.4	0.96839625	N	0	N
AC020658.2	0.96839625	N	0	N
AC110053.1	0.96839625	N	0	N
ADRA1B	0.96839625	N	7	N
AL021368.1	0.96839625	N	0	N
AL133245.1	0.96839625	N	0	N
AL139260.2	0.96839625	N	0	N
AP001282.1	0.96839625	N	0	N
AP006621.3	0.96839625	N	0	N
BX842559.2	0.96839625	N	0	N
CTA-796E4.5	0.96839625	N	0	N
DAZAP2P1	0.96839625	N	0	N
FLT4	0.96839625	N	3	N
GMPR2	0.96839625	N	0	N
GPRIN3	0.96839625	N	0	N
HSD11B1	0.96839625	N	81	N
MBD1	0.96839625	N	5	N
MBD4	0.96839625	N	1	N
MTFMT	0.96839625	N	0	N
PTCHD1	0.96839625	N	0	N
SACS	0.96839625	N	57	N
SVOP	0.96839625	N	0	N
TBX3	0.96839625	N	12	N
TDGF1	0.96839625	N	5	N
ZNF346	0.96839625	N	0	N
ZNF408	0.96839625	N	0	N
COX18	0.968448987	N	0	N
ENO1-AS1	0.968448987	N	0	N
ZMIZ1	0.968505272	N	6	N
GNA12	0.968559752	N	0	N
LINC01018	0.968559752	N	0	N
DTNB	0.968572873	N	47	N
TMEM8A	0.968572873	N	0	N
ZNF326	0.968572873	N	0	N
HSPB8	0.968610481	N	8	N
RFC1	0.968610481	N	3	N
AC051619.6	0.968612151	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
RPS27P27	0.968612151	N	0	N
AP002807.1	0.968680514	N	0	N
AL132780.4	0.968712192	N	0	N
LINC01637	0.968712192	N	0	N
AC022217.1	0.968745194	N	0	N
AC096637.2	0.968745194	N	0	N
ARMC4	0.968745194	N	0	N
C2orf15	0.968745194	N	0	N
FZD7	0.968745194	N	3	N
GIPR	0.968745194	N	138	Y
PARP15	0.968745194	N	0	N
PDPK1	0.968745194	N	115	Y
RABGEF1	0.968745194	N	1	N
SMAD9	0.968745194	N	1	N
VKORC1L1	0.968745194	N	1	N
ZNRF2	0.968745194	N	2	N
SALRNA2	0.96894953	N	0	N
TMEM106A	0.969045942	N	0	N
APAF1	0.969089578	N	11	N
KIAA1328	0.969156955	N	0	N
PGAM1	0.969156955	N	2	N
AC007494.1	0.969163898	N	0	N
NEURL2	0.969163898	N	0	N
SNORD97	0.969163898	N	0	N
KLHL22	0.969244454	N	0	N
ZSCAN2	0.969244454	N	0	N
ABC8	0.969263458	N	1	N
AC004447.2	0.969263458	N	0	N
AC007683.1	0.969263458	N	0	N
AC112247.1	0.969263458	N	0	N
ANKRD65	0.969263458	N	0	N
FAM218A	0.969263458	N	0	N
STX4	0.969263458	N	6	N
TEDDM1	0.969263458	N	0	N
EEF1A1P3	0.969285305	N	0	N
ENDOU	0.969424521	N	5	N
AC008427.1	0.969444353	N	0	N
AC010327.5	0.969444353	N	0	N
AC073569.3	0.969444353	N	0	N
CEP19	0.969444353	N	1	N
CFLAR-AS1	0.969444353	N	0	N
CHMP4C	0.969444353	N	1	N
EFCAB13	0.969444353	N	0	N
GIMAP5	0.969444353	N	5	N
LINC0001	0.969444353	N	0	N
NPIP5	0.969444353	N	0	N
PPFIBP2	0.969444353	N	0	N
PTGES2-AS1	0.969444353	N	0	N
THNSL1	0.969444353	N	0	N
UBE2L3	0.969444353	N	1	N
AC005674.2	0.969493452	N	0	N
AL357315.2	0.969493452	N	0	N
GNG5	0.969493452	N	1	N
uc_338	0.969493452	N	0	N
WWP1	0.969493452	N	1	N
NAT9	0.969530505	N	0	N
POR	0.969549546	N	72	N
RTCA	0.969590238	N	3	N
AF186996.6	0.969622729	N	0	N
C9orf116	0.969622729	N	0	N
CFAP46	0.96964946	N	0	N
RAD52	0.96964946	N	4	N
CALR	0.969732128	N	5	N
PNPO	0.969732128	N	0	N
SPICE1	0.969732128	N	0	N
LINC02516	0.969970702	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC015871.1	0.969999564	N	0	N
CHML	0.969999564	N	0	N
DCTN6	0.969999564	N	0	N
GCOM1	0.969999564	N	1	N
GDI2	0.969999564	N	2	N
MDM2	0.969999564	N	102	Y
MED25	0.969999564	N	1	N
MTRR	0.969999564	N	5	N
PSMD7	0.969999564	N	0	N
RANBP17	0.969999564	N	0	N
SF3B4	0.969999564	N	0	N
TMEM175	0.969999564	N	0	N
TTC41P	0.969999564	N	0	N
AC114947.2	0.970096401	N	0	N
AL138690.1	0.970096401	N	0	N
RGS16	0.970096401	N	7	N
ST6GALNAC2	0.970096401	N	0	N
FLNB	0.970229511	N	2	N
MAP2K7	0.970298885	N	4	N
SLC44A3	0.970298885	N	0	N
AP2S1	0.970364962	N	1	N
AC003002.1	0.970402296	N	0	N
AC018442.1	0.970402296	N	0	N
AC020915.3	0.970402296	N	0	N
AC126773.3	0.970402296	N	0	N
AC139768.1	0.970402296	N	0	N
AC243972.2	0.970402296	N	0	N
ACOT9	0.970402296	N	0	N
ADCY2	0.970402296	N	1	N
AHNAK	0.970402296	N	4	N
AL138828.1	0.970402296	N	0	N
AP000753.3	0.970402296	N	0	N
ARL11	0.970402296	N	0	N
BAHCC1	0.970402296	N	0	N
BNIP3P5	0.970402296	N	0	N
C11orf65	0.970402296	N	1	N
CAP1	0.970402296	N	7	N
CDH12	0.970402296	N	1	N
DERL2	0.970402296	N	1	N
EHD1	0.970402296	N	9	N
FAM26F	0.970402296	N	0	N
FGFR4	0.970402296	N	32	N
GATA5	0.970402296	N	2	N
GDI2P1	0.970402296	N	0	N
HOOK1	0.970402296	N	0	N
LINC02072	0.970402296	N	0	N
MIR181A2HG	0.970402296	N	0	N
NT5C3B	0.970402296	N	0	N
PPDPF	0.970402296	N	0	N
PTGIS	0.970402296	N	2	N
RASL10B	0.970402296	N	0	N
RGS3	0.970402296	N	3	N
ROPN1L	0.970402296	N	0	N
RP11-680G24.5	0.970402296	N	0	N
SPECC1L-ADORA2A	0.970402296	N	0	N
TSPYL2	0.970402296	N	0	N
TXN	0.970402296	N	17	N
TXNIP	0.970402296	N	158	Y
UBE2D3P1	0.970402296	N	0	N
VN1R108P	0.970402296	N	0	N
WDR63	0.970402296	N	0	N
ZNF200	0.970402296	N	0	N
AC012313.1	0.970415601	N	0	N
AC055717.1	0.970415601	N	0	N
AC064875.1	0.970415601	N	0	N
DCSTAMP	0.970415601	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
SBDSP1	0.970415601	N	0	N
SELIL3	0.970415601	N	0	N
BPHL	0.970430827	N	0	N
SLX1A	0.970431773	N	0	N
AC073861.1	0.970439567	N	0	N
AL590426.1	0.970439567	N	0	N
FOXO1	0.970439567	N	1000	Y
ITGB5	0.970439567	N	3	N
RIPPLY3	0.970439567	N	0	N
SH3BP5L	0.970439567	N	0	N
MTHFD1L	0.970474504	N	1	N
TBX15	0.970606297	N	8	N
PARD6B	0.970686068	N	0	N
OLMALINC	0.970688453	N	0	N
TIMM44	0.970688453	N	1	N
ARHGAP18	0.970732499	N	0	N
AC003101.1	0.970766663	N	0	N
KATNBL1	0.970766663	N	0	N
ZNF680	0.970766663	N	0	N
HIPK1-AS1	0.970834375	N	0	N
AL139407.1	0.970892965	N	0	N
IGSF11	0.970892965	N	1	N
AC027763.1	0.971067406	N	0	N
AC126323.6	0.971067406	N	0	N
CCN12	0.971067406	N	1	N
SIX1	0.971067406	N	3	N
RPL27A	0.97107725	N	2	N
SRCAP	0.97107725	N	0	N
RPL23P8	0.971120644	N	0	N
RPL8P2	0.971168165	N	0	N
EXOC3L1	0.97117527	N	0	N
AC007229.1	0.971200097	N	0	N
ISG20L2	0.971200097	N	0	N
AC113367.3	0.971374979	N	0	N
AC134349.1	0.971374979	N	0	N
BLVRA	0.971374979	N	4	N
CLASP2	0.971374979	N	4	N
CPXM1	0.971374979	N	1	N
HAP1	0.971374979	N	11	N
ZDHHHC11	0.971374979	N	0	N
ADCY7	0.971397587	N	1	N
C15orf52	0.971397587	N	0	N
CABP1	0.971397587	N	2	N
ENPEP	0.971397587	N	1	N
LINC01204	0.971397587	N	0	N
PART1	0.971397587	N	1	N
POMGNT2	0.971397587	N	0	N
PRDX4	0.971397587	N	7	N
TMEM259	0.971397587	N	0	N
DDX50P1	0.971411702	N	0	N
AC007014.2	0.971465244	N	0	N
AC010320.4	0.971465244	N	0	N
AL021877.2	0.971465244	N	0	N
ARSK	0.971465244	N	0	N
CTF1	0.971465244	N	2	N
FGD5	0.971465244	N	2	N
FURIN	0.971465244	N	162	Y
GPSM1	0.971465244	N	1	N
NR1H2	0.971465244	N	7	N
ZCWPW1	0.971705531	N	0	N
PLEC	0.97170745	N	1	N
AC011495.1	0.971746292	N	0	N
GGA3	0.971746292	N	6	N
AC079905.1	0.971773915	N	0	N
AC019069.1	0.971820025	N	0	N
AC055811.4	0.971825119	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC091132.5	0.971825119	N	0	N
AC096996.1	0.971825119	N	0	N
OTUD3	0.971825119	N	0	N
MIR194-2HG	0.97200644	N	0	N
SMCR8	0.97200644	N	0	N
AC006512.2	0.972043233	N	0	N
AFAP1L2	0.972043233	N	0	N
LRRC59	0.972043233	N	0	N
PTRHD1	0.972043233	N	0	N
RNF114	0.972043233	N	0	N
RXRA	0.972043233	N	15	N
SP2	0.972043233	N	9	N
LINC00511	0.97206248	N	0	N
PDE4B	0.97206248	N	7	N
HSPA5	0.972069873	N	43	N
ACTA2	0.97212476	N	30	N
ATP6V0E1P3	0.97212476	N	0	N
BTF3P13	0.97212476	N	0	N
CMAHP	0.97212476	N	0	N
ESD	0.97212476	N	10	N
GRM8	0.97212476	N	0	N
HID1	0.97212476	N	0	N
STRN4	0.97212476	N	1	N
AL391832.2	0.972145125	N	0	N
WIZP1	0.972145125	N	0	N
DPYSL3	0.972240509	N	3	N
CUBN	0.972243754	N	1	N
LINC01184	0.972243754	N	0	N
OTULIN	0.972243754	N	0	N
POLR3GP2	0.972243754	N	0	N
ZNF614	0.972330825	N	0	N
EIPR1-IT1	0.972396271	N	0	N
LRRC8A	0.972444679	N	10	N
BCAR1	0.972447132	N	21	N
CDR2L	0.972461146	N	0	N
AQP7	0.972537037	N	53	N
BDH1	0.972537037	N	5	N
GAPDHP71	0.972537037	N	0	N
KIT	0.97255721	N	1000	Y
OSBPL11	0.97255721	N	0	N
AL034549.1	0.972627151	N	0	N
LIMCH1	0.972627151	N	0	N
TCEAL4	0.972627151	N	0	N
TMEM75	0.972627151	N	0	N
AC009487.4	0.97276545	N	0	N
CPB2-AS1	0.97276545	N	0	N
SEMA4D	0.97276545	N	2	N
AHDC1	0.97281775	N	0	N
MTMR2	0.972869107	N	0	N
ZG16	0.972869107	N	0	N
COL14A1	0.972941336	N	0	N
DCAF13P2	0.972941336	N	0	N
LIPT1	0.972941336	N	0	N
SPECC1L	0.972941336	N	0	N
TUSC1	0.972941336	N	1	N
AC104506.1	0.972943906	N	0	N
AC116050.1	0.972977968	N	0	N
AC116366.1	0.972977968	N	0	N
AP000769.1	0.972977968	N	0	N
DLG1-AS1	0.972977968	N	0	N
FBXW5	0.972996403	N	0	N
ISYNA1	0.972996403	N	0	N
AC010969.2	0.973078411	N	0	N
AC027601.1	0.973078411	N	0	N
AC104651.1	0.973078411	N	0	N
AL392172.1	0.973078411	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
SEC23A-AS1	0.973078411	N	0	N
Z97192.2	0.973078411	N	0	N
CDK9	0.973139888	N	5	N
MGAM2	0.973139888	N	1	N
RPL18A	0.973160323	N	0	N
AC008103.1	0.973234839	N	0	N
AC105094.2	0.973234839	N	0	N
FDPSP4	0.973234839	N	0	N
LAMP2	0.973234839	N	18	N
SYT16	0.973331326	N	0	N
TNRC6C	0.973350154	N	0	N
AC124319.4	0.973362942	N	0	N
ALDOAP2	0.973421614	N	0	N
USP7	0.973421614	N	5	N
TMC7	0.973556633	N	0	N
AC002310.6	0.973595824	N	0	N
AC007249.2	0.973595824	N	0	N
AC010273.1	0.973595824	N	0	N
AC010834.3	0.973595824	N	0	N
AC012653.1	0.973595824	N	0	N
AC079780.1	0.973595824	N	0	N
ADAMTS4	0.973595824	N	13	N
AL356481.1	0.973595824	N	0	N
ARL4D	0.973595824	N	1	N
ARMC8	0.973595824	N	0	N
BVES-AS1	0.973595824	N	0	N
CCDC102A	0.973595824	N	0	N
CNBP	0.973595824	N	6	N
CR381653.1	0.973595824	N	0	N
EIF1P5	0.973595824	N	0	N
FBR5	0.973595824	N	0	N
FSTL3	0.973595824	N	20	N
GNAS-AS1	0.973595824	N	1	N
GUSBP3	0.973595824	N	0	N
HMGN1P35	0.973595824	N	0	N
HOXD13	0.973595824	N	0	N
IL12RB2	0.973595824	N	0	N
KATNB1	0.973595824	N	0	N
MAP3K9	0.973595824	N	1	N
MBL1P	0.973595824	N	0	N
MGAT5B	0.973595824	N	0	N
MOCOS	0.973595824	N	0	N
MSH3	0.973595824	N	3	N
PLAU	0.973595824	N	8	N
SDCBPP2	0.973595824	N	0	N
SLC25A22	0.973595824	N	2	N
SOX12	0.973595824	N	1	N
SPIN1	0.973595824	N	0	N
STRADA	0.973595824	N	50	N
TMEM109	0.973595824	N	1	N
TRMT11	0.973595824	N	0	N
AC022960.2	0.973614975	N	0	N
AC108047.1	0.973672106	N	0	N
NDUFV2-AS1	0.973695841	N	0	N
AL121672.1	0.973696149	N	0	N
FAM193A	0.973696149	N	0	N
QSER1	0.973696149	N	0	N
UFSP2	0.973696149	N	0	N
AC092115.2	0.973702059	N	0	N
AC092724.1	0.973702059	N	0	N
ZNF75D	0.973702059	N	0	N
AC104564.3	0.973827208	N	0	N
UAP1L1	0.973827208	N	0	N
WSCD1	0.973827208	N	0	N
AC006511.3	0.973900429	N	0	N
AL021707.2	0.973900429	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
CFAP58	0.973900429	N	0	N
NACC1	0.973900429	N	0	N
TMEM35B	0.973900429	N	0	N
TMPPE	0.973900429	N	0	N
ZFP92	0.973900429	N	0	N
PTPRD	0.973916032	N	12	N
APOM	0.973959548	N	29	N
TAF12	0.973970326	N	0	N
PRICKLE3	0.974162592	N	0	N
AC025181.1	0.974175103	N	0	N
AC093259.1	0.974175103	N	0	N
CREM	0.974175103	N	18	N
EIF1AX	0.974175103	N	0	N
FBXO17	0.974175103	N	0	N
TJAP1	0.974175103	N	0	N
TNRC6C-AS1	0.974175103	N	0	N
TRMT1L	0.974175103	N	0	N
PKD1L1	0.974253798	N	0	N
CD34	0.974266396	N	356	Y
IER2	0.974266396	N	2	N
AL354993.1	0.97449447	N	0	N
CAMSAP3	0.97449447	N	0	N
COQ4	0.97449447	N	0	N
HAUS7	0.97449447	N	0	N
HRAT17	0.97449447	N	0	N
HSPA1L	0.97449447	N	2	N
NME2	0.97449447	N	4	N
RAPGEF4-AS1	0.97449447	N	0	N
RPS12P5	0.97449447	N	0	N
SCFD2	0.97449447	N	0	N
SLC16A13	0.97449447	N	0	N
VAMP5	0.97449447	N	2	N
IFT88	0.974605159	N	3	N
DAXX	0.97461648	N	12	N
AC090515.2	0.974669877	N	0	N
AL133230.1	0.974707638	N	0	N
AL645504.1	0.974707638	N	0	N
FAM213A	0.974707638	N	0	N
ID1	0.974707638	N	1	N
LIMK1	0.974707638	N	9	N
MOCS3	0.974707638	N	0	N
PLEKHA4	0.974707638	N	0	N
PON3	0.974707638	N	8	N
SNORA84	0.974707638	N	0	N
BCRP2	0.97475441	N	0	N
CFAP157	0.97475441	N	0	N
GSR	0.97475441	N	19	N
HNRNPH2	0.97475441	N	0	N
KLHL8	0.97475441	N	0	N
LINC01410	0.97475441	N	0	N
SELENOI	0.97475441	N	0	N
SYVN1	0.97475441	N	6	N
TUB	0.97475441	N	38	N
ZNF648	0.97475441	N	0	N
C18orf21	0.974756133	N	0	N
DDX3P1	0.974756133	N	0	N
ZNF507	0.974756133	N	0	N
CRK	0.974773	N	87	N
AC110792.3	0.974780578	N	0	N
C12orf57	0.974780578	N	0	N
OLFML1	0.974864371	N	1	N
Z98884.2	0.974875708	N	0	N
AC093788.1	0.974885401	N	0	N
RRM2B	0.975029963	N	3	N
AC069234.5	0.975080321	N	0	N
OR51E2	0.975080321	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
POGLUT1	0.975080321	N	0	N
PRR14L	0.975089125	N	1	N
TBC1D14	0.975200509	N	0	N
AC068282.1	0.97538568	N	0	N
AC100788.2	0.97538568	N	0	N
AC104237.2	0.97538568	N	0	N
AP001033.1	0.97538568	N	0	N
C12orf4	0.97538568	N	0	N
CLPTM1	0.97538568	N	0	N
CYP2B7P	0.97538568	N	0	N
DPH2	0.97538568	N	0	N
PHKA1P1	0.97538568	N	0	N
SEMA3D	0.97538568	N	1	N
UGGT1	0.97538568	N	1	N
AC063965.1	0.975505653	N	0	N
ADAMTS2	0.975505653	N	3	N
AL160314.2	0.975505653	N	0	N
CYP4V2	0.975505653	N	1	N
LINC00900	0.975505653	N	0	N
PAIP2B	0.975505653	N	0	N
RHOG	0.975505653	N	3	N
CSRNP1	0.975527868	N	0	N
LINC01109	0.975527868	N	0	N
OVCH2	0.975527868	N	0	N
RBP5	0.975527868	N	0	N
AC008013.1	0.975535038	N	0	N
SLCO2B1	0.975702268	N	2	N
ADH4	0.975702703	N	1	N
AL645933.2	0.975702703	N	0	N
CTSB	0.975702703	N	16	N
LTB4R	0.975702703	N	4	N
PSMA3	0.975702703	N	1	N
SNORA11F	0.975702703	N	0	N
INPP5A	0.975842807	N	3	N
NPM1P9	0.975901932	N	0	N
AC026410.3	0.975981871	N	0	N
AC007569.1	0.976014515	N	0	N
C14orf178	0.976014515	N	0	N
GLI4	0.976014515	N	0	N
APBA3	0.976052017	N	0	N
RPL18AP3	0.976113923	N	0	N
LRRC37A3	0.976118287	N	0	N
AC022613.1	0.976253574	N	0	N
AC233723.2	0.976449183	N	0	N
HSPB1	0.976517324	N	34	N
UHRF1BP1L	0.976526869	N	0	N
ATXN7L3	0.97652722	N	0	N
DNASE1	0.97654225	N	5	N
LYG1	0.97654225	N	0	N
ZNF844	0.97654225	N	0	N
AC105429.1	0.976733159	N	0	N
CRCP	0.976733159	N	1	N
CRYBG1	0.976733159	N	0	N
MRPL21	0.976733159	N	0	N
UQCRH	0.976733159	N	1	N
ZNF711	0.976802688	N	0	N
OPRD1	0.976833387	N	0	N
RSBN1L	0.976833387	N	0	N
ZNRF2P1	0.976833387	N	0	N
ARHGAP44	0.976854706	N	0	N
C22orf15	0.976854706	N	0	N
HELLPAR	0.976854706	N	0	N
KCNE3	0.976854706	N	1	N
TSC22D4	0.976863678	N	1	N
CCDC25	0.976872994	N	0	N
AL138963.1	0.976946651	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC006538.1	0.976984637	N	0	N
AC068473.3	0.976984637	N	0	N
AC096992.2	0.976984637	N	0	N
PHPT1	0.976984637	N	3	N
SMIM10L2B	0.976984637	N	0	N
TPGS1	0.976984637	N	1	N
AC004982.1	0.977094702	N	0	N
EML5	0.977094702	N	1	N
MEG9	0.977094702	N	0	N
PPM1J	0.977094702	N	0	N
TCIRG1	0.977094702	N	1	N
WDR55	0.97719391	N	0	N
AC009948.5	0.977209107	N	0	N
AC090519.1	0.977209107	N	0	N
AC093433.1	0.977209107	N	0	N
ALKBH5	0.977209107	N	0	N
AP000904.1	0.977209107	N	0	N
C8orf37	0.977209107	N	0	N
COLEC12	0.977209107	N	1	N
CRYZP1	0.977209107	N	0	N
H2AFJ	0.977209107	N	0	N
HES4	0.977209107	N	0	N
JAK3	0.977209107	N	55	N
LRRC8B	0.977209107	N	1	N
LYZ	0.977209107	N	5	N
MAGI2-IT1	0.977209107	N	0	N
MAP3K1	0.977209107	N	33	N
MATN3	0.977209107	N	0	N
MIF	0.977209107	N	144	Y
OGFOD2	0.977209107	N	0	N
RERE	0.977209107	N	1	N
RPL23AP7	0.977209107	N	0	N
SAP130	0.977209107	N	0	N
SEC13	0.977209107	N	2	N
SLC10A3	0.977209107	N	0	N
TES	0.977209107	N	26	N
ZNF467	0.977209107	N	0	N
AL159169.3	0.977226231	N	0	N
MSNP1	0.977267597	N	0	N
SLC9A6	0.977291735	N	0	N
RN7SKP202	0.977400662	N	0	N
AGAP3	0.977425555	N	2	N
CARD11	0.977472377	N	1	N
RBMX2	0.977596648	N	0	N
AC005225.5	0.977766744	N	0	N
INTS12	0.977766744	N	0	N
C15orf61	0.977818145	N	0	N
C7	0.977880105	N	40	N
AGBL2	0.97797331	N	0	N
BTF3L4	0.97797331	N	0	N
NLRC4	0.97797331	N	6	N
GPR18	0.978075455	N	0	N
RRP15	0.978075455	N	0	N
AF165147.1	0.978257267	N	0	N
AC111170.2	0.978305592	N	0	N
ANAPC13	0.978335684	N	0	N
CTNNB1	0.978335684	N	145	Y
EXOC7P1	0.978335684	N	0	N
GUCY2D	0.978335684	N	1	N
OMG	0.978335684	N	45	N
AC107214.2	0.978423809	N	0	N
SYT3	0.978423809	N	4	N
AC104581.5	0.978473354	N	0	N
GAK	0.978530546	N	3	N
TFAP2E	0.978530546	N	0	N
DDX51	0.978535203	N	1	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
CCDC17	0.978565802	N	0	N
NFX1	0.978565802	N	1	N
SYCP2	0.978565802	N	0	N
AC084032.1	0.97868106	N	0	N
MAPK1	0.97868106	N	114	Y
PELI1	0.978731348	N	1	N
WBP2NL	0.978746846	N	0	N
AC013643.3	0.978798999	N	0	N
AC104446.1	0.978798999	N	0	N
COMMD7	0.978798999	N	0	N
LCMT1	0.978798999	N	2	N
POT1-AS1	0.978798999	N	0	N
SH2B1	0.978798999	N	54	N
TMEM60	0.978798999	N	0	N
TRIM25	0.978798999	N	0	N
LAP3	0.978801353	N	2	N
AL445483.1	0.978808731	N	0	N
SLC6A14	0.978808731	N	2	N
ST7-OT4	0.978808731	N	0	N
ZKSCAN2	0.978874344	N	0	N
AC023157.3	0.97897865	N	0	N
AC034229.1	0.97897865	N	0	N
ADAMTS19	0.97897865	N	1	N
EMC3	0.97897865	N	0	N
PPP1R18	0.97897865	N	0	N
SFMBT1	0.97897865	N	2	N
TEX22	0.97897865	N	0	N
CCDC13	0.979021616	N	0	N
ZNF114	0.979098019	N	0	N
EIF3C	0.979162192	N	0	N
NDUFB1	0.979162192	N	0	N
NLN	0.979204633	N	3	N
AC007038.1	0.979337727	N	0	N
DYRK2	0.979337727	N	3	N
IL15RA	0.979337727	N	4	N
NIT2	0.979337727	N	0	N
AC083798.2	0.97936203	N	0	N
PRELID3B	0.97936203	N	0	N
CERS1	0.979428271	N	11	N
NR6A1	0.979428271	N	4	N
NME3	0.979438342	N	1	N
RAC1P2	0.979447005	N	0	N
ATP6V0CP3	0.979669837	N	0	N
AC016245.1	0.979737879	N	0	N
AC092143.3	0.979864697	N	0	N
CGA	0.979864697	N	125	Y
IGHMBP2	0.979864697	N	6	N
DNAJC22	0.979907044	N	0	N
MYL8P	0.979968995	N	0	N
AL731569.1	0.980021934	N	0	N
ATP5D	0.980021934	N	1	N
CLK2	0.980021934	N	9	N
ABCC9	0.980115775	N	33	N
AC009078.2	0.980115775	N	0	N
AC010186.4	0.980115775	N	0	N
AC063926.3	0.980115775	N	0	N
AC097376.2	0.980115775	N	0	N
AC114760.2	0.980115775	N	0	N
CACNA1A	0.980115775	N	8	N
CDC42	0.980115775	N	142	Y
CDH8	0.980115775	N	0	N
FXN	0.980115775	N	13	N
HPD	0.980115775	N	38	N
LSM11	0.980115775	N	0	N
METTL6	0.980115775	N	0	N
SEC14L4	0.980115775	N	1	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
SHISA2	0.980115775	N	0	N
SLC25A37	0.980115775	N	0	N
SLC39A1	0.980115775	N	5	N
TMEM191C	0.980115775	N	0	N
VPS28	0.980115775	N	0	N
LINC01527	0.980124186	N	0	N
LINC02261	0.980230218	N	0	N
RMDN3	0.98043494	N	0	N
MMP3	0.980538207	N	33	N
DPAGT1	0.980545118	N	1	N
EDEM2	0.980545118	N	0	N
NOX5	0.980545118	N	2	N
Z97180.1	0.980545118	N	0	N
KRT14	0.980669688	N	5	N
NDUFAF5	0.980803903	N	0	N
AC008158.1	0.980872423	N	0	N
AC022613.3	0.980872423	N	0	N
AC078880.3	0.980872423	N	0	N
ANO5	0.980872423	N	0	N
MEX3B	0.980872423	N	0	N
CASZ1	0.980889808	N	0	N
CUEDC2	0.980889808	N	0	N
AC046144.1	0.980901322	N	0	N
PLA2G4E	0.980901322	N	1	N
AC132825.4	0.980933469	N	0	N
AC004877.1	0.980947016	N	0	N
ALKAL2	0.980947016	N	0	N
BCYRN1	0.980947016	N	0	N
DPRXP4	0.980947016	N	0	N
KIF1C	0.980947016	N	1	N
LYPLA2	0.980947016	N	0	N
PLTP	0.980947016	N	53	N
SAP18P2	0.980947016	N	0	N
C8orf76	0.98094991	N	0	N
LINC00324	0.981074336	N	0	N
AC007319.1	0.981187597	N	0	N
AC008985.1	0.981187597	N	0	N
AC010680.3	0.981187597	N	0	N
AC011626.1	0.981187597	N	0	N
AHR	0.981187597	N	150	Y
AL050331.3	0.981187597	N	0	N
AL672296.1	0.981187597	N	0	N
BANK1	0.981187597	N	0	N
BCAS2P2	0.981187597	N	0	N
CLDN5	0.981187597	N	2	N
CNIH3	0.981187597	N	0	N
FBXL22	0.981187597	N	0	N
HMGN3-AS1	0.981187597	N	0	N
KRAS	0.981187597	N	138	Y
LINC01943	0.981187597	N	0	N
P2RX5	0.981187597	N	4	N
POTEKP	0.981187597	N	0	N
PPP6R1	0.981187597	N	0	N
RAB43P1	0.981187597	N	0	N
RUBCNL	0.981187597	N	0	N
SPATS2	0.981187597	N	0	N
TUSC2	0.981187597	N	0	N
ZNF257	0.981187597	N	0	N
FUNDC2	0.981233439	N	0	N
CST3	0.981331094	N	22	N
PITRM1	0.981331094	N	2	N
DPH6-AS1	0.981416804	N	0	N
AC099343.1	0.981434793	N	0	N
CEBPB-AS1	0.98157272	N	0	N
EMP1	0.98157272	N	0	N
AC087276.1	0.9815756	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC099791.2	0.9815756	N	0	N
AC010504.1	0.981584137	N	0	N
AL138976.2	0.981584137	N	0	N
ARHGEF18	0.981584137	N	1	N
ATXN2L	0.981584137	N	0	N
C2orf68	0.981584137	N	0	N
NADK	0.981584137	N	2	N
NOL8	0.981584137	N	0	N
SHARPIN	0.981584137	N	0	N
ZNF565	0.981584137	N	0	N
ZNF736	0.981584137	N	0	N
AC139256.1	0.981622068	N	0	N
AHCY	0.981622068	N	4	N
AL136304.1	0.981622068	N	0	N
AP000347.1	0.981622068	N	0	N
AP002004.1	0.981622068	N	0	N
ASAH2	0.981622068	N	2	N
CCDC93	0.981622068	N	0	N
CCND1	0.981622068	N	114	Y
CEP112	0.981622068	N	0	N
DDX52	0.981622068	N	0	N
FEM1C	0.981622068	N	1	N
HMGB1P21	0.981622068	N	0	N
HPS6	0.981622068	N	0	N
JAG2	0.981622068	N	3	N
LSINCT5	0.981622068	N	0	N
NPC1	0.981622068	N	15	N
PLAC4	0.981622068	N	0	N
RAB33A	0.981622068	N	0	N
RSAD1	0.981622068	N	0	N
RSF1-IT2	0.981622068	N	0	N
SMG9	0.981622068	N	0	N
SYT17	0.981622068	N	0	N
TAF6	0.981622068	N	1	N
TMEM215	0.981622068	N	0	N
TOB2P1	0.981622068	N	0	N
ZNF777	0.981622068	N	0	N
ANGEL2	0.981626888	N	0	N
ARHGAP27P1-BPTFP1-KPNA2F	0.981626888	N	0	N
CYSRT1	0.981665037	N	0	N
AC025171.4	0.981693094	N	0	N
AC083805.1	0.981693094	N	0	N
ATF7IP2	0.981693094	N	0	N
FAM204BP	0.981693094	N	0	N
NDUFA3	0.981693094	N	0	N
SLC2A5	0.981693094	N	16	N
SNORA2B	0.981761681	N	0	N
AC009318.2	0.981834883	N	0	N
C5orf56	0.981834883	N	0	N
ZNF891	0.981834883	N	0	N
AC015982.1	0.981850063	N	0	N
RRAD	0.981957189	N	11	N
RPP14	0.982015185	N	0	N
AC011773.4	0.982129276	N	0	N
AL512782.1	0.98221715	N	0	N
CLDN18	0.98221715	N	3	N
ACSF3	0.98223366	N	0	N
MARCH1	0.982270104	N	2	N
AC008763.3	0.982270104	N	0	N
EVC2	0.982270104	N	1	N
FAM207A	0.982270104	N	0	N
FAM57A	0.982270104	N	0	N
HIBCH	0.982270104	N	0	N
HSPA9	0.982270104	N	0	N
PPP2R2DP1	0.982270104	N	0	N
RPS6KA3	0.982270104	N	1	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
RPS8	0.982270104	N	0	N
TSPAN2	0.982270104	N	2	N
ZC3H12A	0.982270104	N	1	N
AP005329.3	0.982459366	N	0	N
LINC01291	0.982486497	N	0	N
PLIN1	0.982561249	N	50	N
GPR132	0.982609345	N	1	N
NOB1	0.982609345	N	5	N
ZNF598	0.982609345	N	0	N
AC006927.1	0.982656959	N	0	N
TXN2	0.982722483	N	2	N
AC005183.1	0.982725603	N	0	N
AC090360.1	0.982725603	N	0	N
AP001885.1	0.982725603	N	0	N
RP11-60L3.1	0.982740717	N	0	N
AC016065.1	0.982790811	N	0	N
NKTR	0.982790811	N	0	N
LCT	0.982822834	N	98	N
RPL11	0.982822834	N	1	N
EIF3J-AS1	0.982840271	N	0	N
MAFG	0.98287762	N	5	N
ELL	0.98291685	N	7	N
MYO9A	0.98291685	N	0	N
SNX10	0.98291685	N	1	N
AL354977.2	0.982981458	N	0	N
BSCL2	0.982981458	N	70	N
CUL9	0.982981458	N	0	N
RPL30P4	0.982981458	N	0	N
TBC1D23	0.982981458	N	0	N
AC026471.2	0.983056635	N	0	N
AC092747.2	0.983056635	N	0	N
ANKRD2	0.983056635	N	2	N
CRAMP1	0.983056635	N	0	N
FKRP	0.983056635	N	0	N
KCND2	0.983056635	N	4	N
POLR1A	0.983056635	N	1	N
UQCRC2	0.983056635	N	2	N
ZNF550	0.983056635	N	0	N
RALYL	0.983112199	N	1	N
AC079238.1	0.983159403	N	0	N
GPR61	0.983159403	N	3	N
MRPL33	0.98318368	N	1	N
FAM83H	0.983202847	N	0	N
AC022107.1	0.983203984	N	0	N
AL354702.1	0.983203984	N	0	N
HSCB	0.983302859	N	0	N
OPLAH	0.983393202	N	0	N
ZDHHC8	0.983395392	N	0	N
GALNT16	0.983425709	N	1	N
LINC00608	0.983425709	N	0	N
RP11-295P9.8	0.983425709	N	0	N
AC008033.3	0.983443445	N	0	N
AC090502.1	0.983443445	N	0	N
AL136520.1	0.983443445	N	0	N
EPCAM	0.983443445	N	69	N
RPS19P3	0.983443445	N	0	N
THAP7-AS1	0.983443445	N	0	N
TPD52L2	0.983443445	N	0	N
Z73965.1	0.983443445	N	0	N
AC104297.1	0.983487258	N	0	N
CCDC162P	0.983549	N	0	N
CNKSR3	0.983624676	N	0	N
EVA1B	0.983624676	N	0	N
RPL23AP57	0.98365097	N	0	N
ACBD4	0.983681271	N	0	N
DBNL	0.983681271	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
GSK3A	0.983681271	N	4	N
LINC01299	0.983681271	N	0	N
MAP1S	0.983681271	N	0	N
NBEAL2	0.983763161	N	0	N
GYG2	0.983918261	N	1	N
CEP104	0.984148542	N	0	N
GFOD1	0.984148542	N	0	N
SHF	0.984148542	N	28	N
AP006248.4	0.984258902	N	0	N
C8orf33	0.984258902	N	0	N
FAM133B	0.984258902	N	0	N
GALNT12	0.984258902	N	0	N
GPC4	0.984258902	N	9	N
ZFHX4-AS1	0.984258902	N	0	N
HNF4G	0.984280507	N	3	N
TAGLN2P1	0.984327453	N	0	N
ANKRD26P1	0.984376862	N	0	N
C17orf62	0.984468067	N	0	N
FOXB1	0.984468067	N	2	N
AC011472.4	0.984492649	N	0	N
MFSD2B	0.984492649	N	0	N
PRICKLE2-AS1	0.984492649	N	0	N
STAC	0.984492649	N	2	N
TARBP1	0.984492649	N	0	N
Z93022.1	0.984492649	N	0	N
TAF1	0.984638571	N	2	N
AL590999.1	0.984655005	N	0	N
KCNC3	0.984655005	N	1	N
SPRY4-IT1	0.984659918	N	0	N
AL353743.1	0.984680923	N	0	N
SIGIRR	0.984762394	N	0	N
AL035467.1	0.984776061	N	0	N
TRIM73	0.984776061	N	0	N
TTC28-AS1	0.984776061	N	0	N
AL590065.1	0.984879169	N	0	N
AL731661.1	0.984879169	N	0	N
COPE	0.984879169	N	732	Y
RASA3	0.984879169	N	0	N
AC008945.2	0.984883196	N	0	N
AL132656.1	0.984883196	N	0	N
AL137784.2	0.984883196	N	0	N
ANKRD40	0.984883196	N	0	N
APTR	0.984883196	N	1	N
ATG4AP1	0.984883196	N	0	N
EIF3J	0.984883196	N	0	N
GPR39	0.984883196	N	25	N
IMPDH1	0.984883196	N	2	N
LY6E	0.984883196	N	2	N
SNORA38	0.984883196	N	0	N
UQCR11	0.984883196	N	0	N
ZFPM2	0.984883196	N	6	N
ZNF331	0.984883196	N	0	N
MED28P3	0.984890759	N	0	N
SFTPB	0.985004645	N	3	N
APCDD1L-AS1	0.985233254	N	0	N
ATP5C1	0.985233254	N	3	N
RGN	0.985284242	N	29	N
FP325330.2	0.985427021	N	0	N
PPIL2	0.985440233	N	1	N
AC011676.5	0.985454327	N	0	N
AC012313.10	0.985454327	N	0	N
AC018737.2	0.985454327	N	0	N
AC018926.2	0.985454327	N	0	N
AC024451.4	0.985454327	N	0	N
AC069224.1	0.985454327	N	0	N
AC073065.1	0.985454327	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC090948.1	0.985454327	N	0	N
AC090950.1	0.985454327	N	0	N
AC093827.2	0.985454327	N	0	N
AC098850.2	0.985454327	N	0	N
AC098850.4	0.985454327	N	0	N
AC104472.1	0.985454327	N	0	N
ACTR3P2	0.985454327	N	0	N
AL161669.3	0.985454327	N	0	N
AL772337.3	0.985454327	N	0	N
AP001020.2	0.985454327	N	0	N
CAT	0.985454327	N	1000	Y
CCDC90B	0.985454327	N	0	N
CCND3	0.985454327	N	28	N
DMD	0.985454327	N	71	N
DRP2	0.985454327	N	0	N
EPHB1	0.985454327	N	3	N
FGF5	0.985454327	N	12	N
FPR1	0.985454327	N	2	N
GCA	0.985454327	N	27	N
GCNT2	0.985454327	N	2	N
GUSBP11	0.985454327	N	0	N
HMCN1	0.985454327	N	1	N
HSF1	0.985454327	N	38	N
LAIR1	0.985454327	N	0	N
MOSPD3	0.985454327	N	0	N
NDUFB10P1	0.985454327	N	0	N
RAB11B	0.985454327	N	1	N
SCAPER	0.985454327	N	0	N
SOX9	0.985454327	N	177	Y
THAP4	0.985454327	N	0	N
USP43	0.985454327	N	0	N
VPS33B	0.985454327	N	0	N
ZNF124	0.985454327	N	0	N
ZNF418	0.985454327	N	0	N
AK1	0.985473877	N	7	N
RIPK1	0.985473877	N	9	N
TRIM67	0.985473877	N	0	N
TSLP	0.985473877	N	4	N
STMND1	0.985725778	N	0	N
PCOTH	0.985729075	N	0	N
STAT1	0.98575355	N	208	Y
AC023934.1	0.985813051	N	0	N
AC098614.1	0.985813051	N	0	N
PKDREJ	0.985813051	N	0	N
SMDT1	0.985813051	N	0	N
AL583810.2	0.985879695	N	0	N
AC021074.1	0.985964333	N	0	N
NDUFC2	0.985964333	N	2	N
TMPRSS5	0.985964333	N	1	N
AC011592.1	0.986028304	N	0	N
APOOP4	0.986028304	N	0	N
BEX5	0.986028304	N	0	N
EPC2	0.986028304	N	2	N
MS4A6A	0.986028304	N	0	N
RN7SL127P	0.986028304	N	0	N
STT3B	0.986074676	N	1	N
TMEM234	0.986074676	N	0	N
BLZF1	0.986128491	N	0	N
AC010809.1	0.986172663	N	0	N
Metazoa_SRP	0.986172663	N	0	N
PYURF	0.986172663	N	0	N
TIPARP	0.986172663	N	0	N
FAIM2	0.986220345	N	5	N
FAS-AS1	0.986220345	N	0	N
GNG2	0.986220345	N	1	N
RBM26-AS1	0.98631301	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
RN7SL113P	0.986352699	N	0	N
AL031282.2	0.986368918	N	0	N
VDAC2	0.986368918	N	2	N
DDX25	0.98654676	N	0	N
AC003986.3	0.986558934	N	0	N
PPP4R2	0.986558934	N	0	N
PTDSS2	0.986558934	N	1	N
ZNF532	0.986558934	N	0	N
EIF3G	0.986581899	N	0	N
SLC22A13	0.986581899	N	0	N
SNORA71A	0.986581899	N	0	N
AC011365.1	0.986702919	N	0	N
ZNF517	0.986702919	N	0	N
AL021707.3	0.986724235	N	0	N
SETP12	0.986840698	N	0	N
AC008507.2	0.986844584	N	0	N
AC021723.1	0.986890736	N	0	N
AC079331.2	0.986890736	N	0	N
ARL2BPP3	0.986890736	N	0	N
NFIC	0.98690352	N	4	N
AL354877.1	0.986971802	N	0	N
LNX2	0.986971802	N	0	N
AC005037.1	0.987017585	N	0	N
AC092111.1	0.987017585	N	0	N
AC096564.1	0.987017585	N	0	N
ALDH16A1	0.987017585	N	0	N
AP001020.3	0.987017585	N	0	N
CXADR	0.987017585	N	1	N
DLL3	0.987017585	N	1	N
DNAJC1	0.987017585	N	1	N
KATNAL2	0.987017585	N	0	N
MTPAP	0.987017585	N	0	N
NDUFA4	0.987017585	N	1	N
NDUFB1P1	0.987017585	N	0	N
SLC12A7	0.987017585	N	4	N
SLC30A3	0.987017585	N	3	N
SLIT2	0.987017585	N	7	N
SUMO1	0.987017585	N	38	N
TCF7L1	0.987017585	N	30	N
WASHC2A	0.987017585	N	1	N
XDH	0.987017585	N	8	N
ZBTB7C	0.987017585	N	1	N
ZNF324B	0.987017585	N	0	N
ZNF486	0.987017585	N	0	N
AC021224.1	0.987076735	N	0	N
AC244021.1	0.987076735	N	0	N
ATXN1L	0.987076735	N	0	N
IRF9	0.987076735	N	3	N
PITPNM1	0.987076735	N	0	N
RGS17P1	0.987076735	N	0	N
AC015804.1	0.987143139	N	0	N
ALDH1A2	0.987143139	N	3	N
GRIN3A	0.987143139	N	1	N
LINC00941	0.987143139	N	0	N
AC004817.3	0.987191696	N	0	N
AC023232.1	0.987191696	N	0	N
AC037198.3	0.987191696	N	0	N
AC104849.1	0.987191696	N	0	N
AL022341.2	0.987191696	N	0	N
AL391152.1	0.987191696	N	0	N
AL451074.2	0.987191696	N	0	N
ARL17A	0.987191696	N	0	N
CDCP1	0.987191696	N	2	N
FAM133CP	0.987191696	N	0	N
LIN37	0.987191696	N	0	N
LINS1	0.987191696	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
PDE2A	0.987191696	N	3	N
PLXND1	0.987191696	N	5	N
PTPRN	0.987191696	N	192	Y
RPLP0P6	0.987191696	N	0	N
RRS1-AS1	0.987191696	N	0	N
SBNO2	0.987191696	N	0	N
SLAMF7	0.987191696	N	1	N
SMIM27	0.987191696	N	0	N
SRP19	0.987191696	N	0	N
AC020915.4	0.987227581	N	0	N
AC116096.1	0.987227581	N	0	N
AC242426.1	0.987227581	N	0	N
AL034374.2	0.987227581	N	0	N
AL137786.1	0.987227581	N	0	N
AL355075.4	0.987227581	N	0	N
C2	0.987227581	N	491	Y
CADM4	0.987227581	N	0	N
CALB1	0.987227581	N	11	N
CDKN2B-AS1	0.987227581	N	0	N
COX7B	0.987227581	N	2	N
EEF1B2P3	0.987227581	N	0	N
FOXF1	0.987227581	N	2	N
FREM3	0.987227581	N	0	N
GRIK2	0.987227581	N	3	N
HYPK	0.987227581	N	0	N
JAGN1	0.987227581	N	1	N
MGAT3	0.987227581	N	1	N
NIFK	0.987227581	N	0	N
P2RY6	0.987227581	N	0	N
PEX14	0.987227581	N	0	N
PTPN23	0.987227581	N	0	N
RDH5	0.987227581	N	1	N
RNF167	0.987227581	N	0	N
RPE	0.987227581	N	176	Y
STXBP5-AS1	0.987227581	N	0	N
SYT5	0.987227581	N	2	N
TATDN1P1	0.987227581	N	0	N
TMEM202-AS1	0.987227581	N	0	N
TP53I13	0.987227581	N	0	N
ZNF430	0.987227581	N	0	N
ZNF816	0.987227581	N	0	N
DENND6A	0.987240652	N	0	N
AP003355.1	0.987251169	N	0	N
GFM2	0.987384948	N	1	N
NUS1P1	0.987384948	N	0	N
AL133351.4	0.987581228	N	0	N
KANTR	0.987638512	N	0	N
KRBA1	0.987638512	N	0	N
MUSK	0.987638512	N	23	N
ZNF267	0.987638512	N	0	N
AKT3-IT1	0.987756792	N	0	N
LINC01446	0.987756792	N	0	N
AC000120.1	0.987906465	N	0	N
CAPRIN2	0.987906465	N	0	N
INTS5	0.987906465	N	0	N
ELF4	0.988246113	N	1	N
AC004691.2	0.98825946	N	0	N
AC073283.1	0.98825946	N	0	N
DDOST	0.98825946	N	3	N
TMEM161B	0.98825946	N	0	N
AL162724.1	0.988344484	N	0	N
FAM200A	0.98835777	N	0	N
AC022743.1	0.988393814	N	0	N
FBXL15	0.988393814	N	0	N
MRPS36P1	0.988393814	N	0	N
NCR3LG1	0.988393814	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC008677.2	0.988437193	N	0	N
AC105245.1	0.988437193	N	0	N
AP4E1	0.988437193	N	0	N
PPRC1	0.988437193	N	0	N
SCARNA6	0.988437193	N	0	N
TBCC	0.988437193	N	0	N
AC055713.1	0.988517391	N	0	N
C2orf69P2	0.988517391	N	0	N
IQCE	0.988517391	N	0	N
LINC01273	0.988517391	N	0	N
SPRED3	0.988517391	N	0	N
TWF2	0.988517391	N	0	N
ZC3H14	0.988588839	N	0	N
ZSCAN21	0.988603415	N	0	N
APBA1	0.988625616	N	2	N
FSD1L	0.988651475	N	0	N
NAT14	0.988788968	N	0	N
AL929236.1	0.988796684	N	0	N
AC132872.4	0.988814386	N	0	N
APOBEC3C	0.988814386	N	0	N
LINC01679	0.988814386	N	0	N
AC137527.1	0.988858864	N	0	N
NTN1	0.988858864	N	13	N
PRR29-AS1	0.988858864	N	0	N
TEKT4	0.988858864	N	0	N
AC079598.2	0.988893499	N	0	N
TEKT4P2	0.988913111	N	0	N
TWSG1	0.988913111	N	0	N
AC004241.3	0.988930781	N	0	N
DCTN2	0.988930781	N	0	N
ID2-AS1	0.988930781	N	0	N
KIAA0040	0.988930781	N	0	N
PEF1	0.988946765	N	0	N
SAMD10	0.988946765	N	0	N
C15orf39	0.989016458	N	0	N
AC011448.1	0.989199533	N	0	N
AC022893.1	0.989199533	N	0	N
AL450992.1	0.989199533	N	0	N
AQP1	0.989199533	N	11	N
ARF1P2	0.989199533	N	0	N
CHMP4A	0.989199533	N	0	N
CHRNA3	0.989199533	N	1	N
ERP27	0.989199533	N	0	N
GGNBP2	0.989199533	N	0	N
GRAMD2A	0.989199533	N	0	N
LRRFIP1P1	0.989199533	N	0	N
NIFK-AS1	0.989199533	N	0	N
PELI3	0.989199533	N	2	N
PFKFB4	0.989199533	N	2	N
PLA2G4A	0.989199533	N	64	N
YRDC	0.989199533	N	0	N
YY1	0.989199533	N	34	N
AC012100.2	0.989237759	N	0	N
LINC00599	0.989237759	N	0	N
PHLDA1	0.989237759	N	6	N
PIGCP1	0.989237759	N	0	N
RP11-58E21.3	0.989237759	N	0	N
AL021807.1	0.989284619	N	0	N
AC116533.1	0.989417388	N	0	N
GATAD2A	0.989417388	N	2	N
AL596244.1	0.989434794	N	0	N
HSPA4	0.989434794	N	3	N
LINC00211	0.989434794	N	0	N
AC093214.1	0.989477388	N	0	N
AP003108.2	0.989477388	N	0	N
BACH1-IT3	0.989477388	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
GALNT9	0.989477388	N	0	N
JSRP1	0.989477388	N	1	N
MFAP1P1	0.989477388	N	0	N
SGK1	0.989477388	N	107	Y
SPATA13	0.989477388	N	0	N
TNFAIP8L3	0.989477388	N	0	N
AC022916.1	0.98952342	N	0	N
MFN2	0.98952342	N	69	N
RPSAP6	0.989554367	N	0	N
SIMC1	0.989554367	N	0	N
AC007342.7	0.989562015	N	0	N
MYO5B	0.989562015	N	2	N
GINM1	0.98956912	N	0	N
PRDM10	0.98960632	N	1	N
ADPRH	0.989664041	N	0	N
PLEKHG4	0.989790752	N	2	N
TRIM47	0.989846576	N	1	N
CD68	0.989877443	N	298	Y
RIMS2	0.989877443	N	2	N
C1QL3	0.989884081	N	2	N
AL049543.1	0.989893008	N	0	N
AGK	0.98991298	N	0	N
IL17RC	0.98991298	N	1	N
AL121877.1	0.989929213	N	0	N
ANXA1	0.989929213	N	14	N
CHCHD2P6	0.989929213	N	0	N
GABPA	0.989929213	N	7	N
LRFN3	0.989929213	N	0	N
MYO1H	0.989929213	N	1	N
RPL23AP32	0.989929213	N	0	N
SLC6A5	0.989929213	N	1	N
SLC7A1	0.989929213	N	16	N
TMEM255B	0.989929213	N	0	N
AC023908.1	0.989945566	N	0	N
PAX1	0.989945566	N	0	N
AC034236.1	0.989988348	N	0	N
AC134349.2	0.989988348	N	0	N
TMEM179B	0.989988348	N	0	N
AC008429.2	0.990075233	N	0	N
ATP6V0D1	0.990075233	N	0	N
AC026401.2	0.990246619	N	0	N
AC060766.7	0.990246619	N	0	N
ACTG1P9	0.990246619	N	0	N
AP000560.1	0.990246619	N	0	N
CERS5	0.990246619	N	8	N
EPB41L4A	0.990246619	N	0	N
LINC00601	0.990246619	N	0	N
LINC02334	0.990246619	N	0	N
UNC93B1	0.990246619	N	0	N
FBXL16	0.990279105	N	0	N
U1	0.990310388	N	13	N
AC127496.7	0.990381957	N	0	N
JMJD1C-AS1	0.990381957	N	0	N
UBQLNL	0.990381957	N	0	N
MTMR7	0.990475727	N	1	N
PAIP2	0.990485579	N	0	N
AL157813.1	0.990494815	N	0	N
AMMECR1LP1	0.990494815	N	0	N
MIR503HG	0.990494815	N	0	N
AL049539.1	0.990555177	N	0	N
AL590094.1	0.990555177	N	0	N
AC007292.2	0.990558533	N	0	N
AC105942.1	0.990563523	N	0	N
ECEL1P2	0.990563523	N	0	N
EFCAB1	0.990563523	N	0	N
EXOC5P1	0.990563523	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AC124045.1	0.990577308	N	0	N
APCDD1L	0.990577308	N	0	N
ARFGEF3	0.990577308	N	0	N
C11orf44	0.990577308	N	0	N
CYP19A1	0.990577308	N	129	Y
GATD1	0.990577308	N	0	N
LINC01122	0.990577308	N	0	N
NCF2	0.990577308	N	5	N
RAB3B	0.990577308	N	5	N
SPTBN2	0.990577308	N	0	N
TSACC	0.990577308	N	0	N
ZFP82	0.990577308	N	1	N
THSD4	0.990630934	N	0	N
AF196779.12	0.990681286	N	0	N
ELOBP2	0.990681286	N	0	N
RAPGEF4	0.990681286	N	52	N
SEPT9	0.990809396	N	3	N
AC121758.1	0.990809396	N	0	N
AL035446.1	0.990809396	N	0	N
AL360012.1	0.990809396	N	0	N
ALKBH3	0.990809396	N	0	N
ALX1	0.990809396	N	0	N
B3GAT3P1	0.990809396	N	0	N
CYP3A5	0.990809396	N	83	N
KANSL1-AS1	0.990809396	N	0	N
MAB21L1	0.990809396	N	0	N
MLXIP	0.990809396	N	1	N
NOMO3	0.990809396	N	0	N
POLR3D	0.990809396	N	0	N
RFX5	0.990809396	N	0	N
SCRT2	0.990809396	N	0	N
SOCS4	0.990809396	N	4	N
TMEM97	0.990809396	N	3	N
Z97055.2	0.990809396	N	0	N
AC104117.4	0.99085729	N	0	N
AC069547.1	0.99087346	N	0	N
WDR48	0.99087346	N	0	N
RNF43	0.99087746	N	1	N
AC104451.1	0.990886598	N	0	N
ARHGEF33	0.990886598	N	0	N
NRN1	0.990958069	N	8	N
AC002451.2	0.990965652	N	0	N
LINC02408	0.990965652	N	0	N
LRMDA	0.990965652	N	0	N
ANXA2	0.991069401	N	35	N
AC092821.1	0.991130012	N	0	N
AP002383.4	0.991130012	N	0	N
TRIM46	0.991130012	N	0	N
WDR81	0.991130012	N	0	N
TRHDE-AS1	0.991150942	N	0	N
FAM84A	0.99132754	N	0	N
ANAPC10	0.991343153	N	0	N
BFAR	0.991367065	N	1	N
C2orf76	0.991367065	N	0	N
GEMIN8P4	0.991367065	N	0	N
MTND5P2	0.991367065	N	0	N
PKDCC	0.991500375	N	0	N
AC135050.2	0.991582794	N	0	N
AGBL5	0.991582794	N	0	N
AL109983.1	0.991582794	N	0	N
MYL6BP1	0.991582794	N	0	N
PDCD6IPP2	0.991582794	N	0	N
RSPO2	0.991582794	N	1	N
AL390728.4	0.991584958	N	0	N
AC008764.7	0.991604024	N	0	N
AC011462.1	0.991604024	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
AL096870.2	0.991604024	N	0	N
AL390726.5	0.991604024	N	0	N
GIMAP1	0.991604024	N	0	N
GTPBP1	0.991604024	N	0	N
PRDM13	0.991604024	N	0	N
RAC3	0.991604024	N	2	N
RP5-886K2.1	0.991604024	N	0	N
RPS8P4	0.991604024	N	0	N
SUSD5	0.991604024	N	0	N
WNT7A	0.991604024	N	11	N
AL356133.1	0.991644488	N	0	N
HAMP	0.991644488	N	36	N
SUOX	0.99168232	N	1	N
AL136295.4	0.991777262	N	0	N
AC137767.1	0.991784622	N	0	N
KDM3B	0.991803775	N	1	N
OPA3	0.991816932	N	1	N
RGSL1	0.991941231	N	0	N
TRPA1	0.991941231	N	19	N
CSNK2B	0.992052365	N	0	N
LINC00452	0.992052365	N	0	N
MEIOC	0.992052365	N	0	N
STKLD1	0.992052365	N	0	N
DOCK11	0.992081077	N	0	N
GATA4	0.992081077	N	76	N
HRASLS	0.992081077	N	1	N
NEGR1	0.992081077	N	10	N
PRKAR2B	0.992081077	N	4	N
AL390961.4	0.992086257	N	0	N
SCYL1	0.992086257	N	0	N
NANOG	0.992093745	N	112	Y
TMEM126B	0.992103156	N	0	N
FIGN	0.992442682	N	0	N
PPM1E	0.99245403	N	0	N
RPL23A	0.992471843	N	0	N
UBA52P3	0.992519974	N	0	N
ATF3	0.992533854	N	72	N
BCAM	0.992572633	N	0	N
CASP16P	0.992572633	N	0	N
SEZ6L	0.992572633	N	1	N
TMSB10	0.992572633	N	1	N
IGF2-AS	0.992691214	N	49	N
LRRC37A2	0.992781158	N	0	N
MFS11	0.992788807	N	0	N
SYCP2L	0.992788807	N	0	N
TTL7-IT1	0.992837872	N	0	N
AC092964.1	0.992891643	N	0	N
CHL1	0.992891643	N	4	N
LINC01354	0.992891643	N	0	N
AC099804.1	0.992894495	N	0	N
DRC3	0.992894495	N	0	N
FAHD1	0.992894495	N	0	N
NCALD	0.992894495	N	0	N
PRELID3A	0.992894495	N	0	N
PSMD12	0.992894495	N	1	N
CHRNA4	0.992927584	N	0	N
SNX18P3	0.993026736	N	0	N
ABTB1	0.993109701	N	0	N
AC004076.1	0.993109701	N	0	N
AC068700.1	0.993109701	N	0	N
AC092691.2	0.993109701	N	0	N
ASGR1	0.993109701	N	2	N
BCL10	0.993109701	N	5	N
CELSR3	0.993109701	N	2	N
DRAXIN	0.993109701	N	0	N
KLLN	0.993109701	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
LINC01050	0.993109701	N	0	N
PGAM1P7	0.993109701	N	0	N
PLCE1	0.993109701	N	0	N
PRDM6	0.993109701	N	0	N
EP400	0.993169865	N	0	N
GUF1	0.993169865	N	0	N
MYO10	0.993169865	N	1	N
TAS2R20	0.99333391	N	0	N
AC034207.1	0.993334409	N	0	N
ARAF	0.993334409	N	4	N
FRMPD1	0.993334409	N	0	N
GBA	0.993334409	N	10	N
SLC25A1P1	0.993334409	N	0	N
Z95114.1	0.993334409	N	0	N
ZDHHC8P1	0.993334409	N	0	N
ZZZ3	0.993334409	N	0	N
TMEM184A	0.993420813	N	1	N
SLC27A5	0.9934437	N	4	N
HCFC1	0.993495781	N	7	N
AC079768.1	0.993515616	N	0	N
AL606760.2	0.993515616	N	0	N
HDAC1	0.993515616	N	65	N
YES1P1	0.993515616	N	0	N
AC018904.1	0.993554796	N	0	N
ELMOD3	0.993554796	N	0	N
BBOX1-AS1	0.993637304	N	0	N
C1orf115	0.993637304	N	0	N
FAM120C	0.993637304	N	0	N
NFKBIL1	0.993664967	N	1	N
AC092850.1	0.993673097	N	0	N
CCDC187	0.993673097	N	0	N
DNAJB12	0.993673097	N	0	N
DPP3P1	0.993673097	N	0	N
FAM78B	0.993673097	N	0	N
JAG1	0.993673097	N	16	N
LINC00271	0.993673097	N	0	N
RABEPK	0.993673097	N	0	N
SIRT6	0.993673097	N	52	N
TUBB3P1	0.993673097	N	0	N
C10orf25	0.993714377	N	0	N
RN7SL121P	0.993714377	N	0	N
SGCB	0.993714377	N	0	N
AC036214.1	0.993780672	N	0	N
AC073475.1	0.993780672	N	0	N
AC087392.3	0.993780672	N	0	N
CIZ1	0.993780672	N	0	N
DLL4	0.993780672	N	14	N
TAS2R43	0.993780672	N	0	N
TBL3	0.993780672	N	1	N
TMEM14A	0.993806906	N	0	N
AC021016.3	0.993845927	N	0	N
CYP27C1	0.993845927	N	0	N
DNAH7	0.993845927	N	0	N
FOS	0.993845927	N	845	Y
MPPED1	0.993845927	N	0	N
RSG1	0.993845927	N	0	N
UBR5-AS1	0.993845927	N	0	N
GNG10	0.993973024	N	1	N
HSD11B2	0.993973024	N	29	N
MRPS21P3	0.993981414	N	0	N
AC026368.1	0.99413508	N	0	N
CD151	0.99413508	N	4	N
EIF4EBP2P2	0.99413508	N	0	N
FAM13A	0.99413508	N	5	N
MGLL	0.99413508	N	3	N
SC22CB-109E1.1	0.99413508	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
ZC3H3	0.994240826	N	0	N
FAM109A	0.994303119	N	0	N
BST1	0.994439429	N	0	N
AC005253.1	0.994552517	N	0	N
AC010655.4	0.994552517	N	0	N
AC027514.1	0.994552517	N	0	N
C1D	0.994552517	N	0	N
FO538757.1	0.994552517	N	0	N
LINC01393	0.994552517	N	0	N
MNT	0.994552517	N	42	N
NKD1	0.994552517	N	0	N
RPS11	0.994552517	N	0	N
SERBP1P6	0.994552517	N	0	N
TTYH1	0.994552517	N	0	N
AC010359.1	0.994611077	N	0	N
AC244153.1	0.994611077	N	0	N
AL589994.1	0.994611077	N	0	N
CCDC144A	0.994611077	N	0	N
HUS1	0.994611077	N	0	N
LRRC37A16P	0.994611077	N	0	N
PPP2CB	0.994611077	N	0	N
BID	0.99461538	N	321	Y
KDM6B	0.99461538	N	12	N
AC007389.4	0.994696515	N	0	N
AL391262.1	0.994696515	N	0	N
AL732414.1	0.994696515	N	0	N
AP1G2	0.994696515	N	0	N
CHST14	0.994696515	N	0	N
FAM228A	0.994696515	N	0	N
LGALS9	0.994696515	N	4	N
LINC01541	0.994696515	N	0	N
MIOX	0.994696515	N	4	N
POTEJ	0.994696515	N	0	N
STAU2	0.994742238	N	0	N
AC078880.4	0.994839556	N	0	N
AC010538.1	0.994884318	N	0	N
AC092042.2	0.994884318	N	0	N
AC095055.1	0.994884318	N	0	N
ANKHD1	0.994884318	N	0	N
LMNTD2	0.994884318	N	0	N
AC073487.1	0.994955698	N	0	N
C7orf73	0.994955698	N	1	N
ELK1	0.994955698	N	49	N
STK3	0.994955698	N	2	N
PARG	0.995008697	N	2	N
AL031708.1	0.995103302	N	0	N
LONP1	0.995103302	N	2	N
ASNSD1	0.995216669	N	0	N
AC067942.1	0.995305968	N	0	N
AC069208.1	0.995305968	N	0	N
AC073610.1	0.995305968	N	0	N
MPC2	0.995305968	N	11	N
MTND4P32	0.995305968	N	0	N
TMEM138	0.995305968	N	0	N
AC079178.2	0.995343344	N	0	N
MNAT1	0.995343344	N	0	N
UBP1	0.995343344	N	1	N
HELQ	0.995355664	N	0	N
KRT18P37	0.995439698	N	0	N
AC022121.1	0.995488848	N	0	N
AC116407.2	0.995488848	N	0	N
AL512506.1	0.995488848	N	0	N
AL662899.1	0.995488848	N	0	N
BAIAP2-AS1	0.995488848	N	0	N
FCGR2A	0.995488848	N	1	N
KLK10	0.995488848	N	2	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
MAFK	0.995488848	N	7	N
VPS26A	0.995488848	N	5	N
ZNF137P	0.995488848	N	0	N
GRK3	0.995508418	N	3	N
VT11A	0.995570556	N	3	N
AC004494.1	0.995696694	N	0	N
AC026304.1	0.995696694	N	0	N
BX322784.1	0.995696694	N	0	N
CCDC115	0.995696694	N	0	N
MEGF11	0.995696694	N	0	N
RASD2	0.995696694	N	5	N
TFEC	0.995696694	N	1	N
AC009093.3	0.995843158	N	0	N
AC018553.1	0.995843158	N	0	N
B3GNT2	0.995843158	N	0	N
RIN3	0.995843158	N	0	N
RPIAP1	0.995843158	N	0	N
YTHDF1	0.995843158	N	2	N
AC006058.4	0.995962288	N	0	N
AC079807.2	0.995980976	N	0	N
AC009108.3	0.996040583	N	0	N
ADAMTS14	0.996040583	N	1	N
PTP4A1	0.996133322	N	3	N
HIGD1AP1	0.996172885	N	0	N
EIF2A	0.996344726	N	11	N
KCP	0.996344726	N	1	N
LINC02210	0.996344726	N	0	N
STK11IP	0.996344726	N	0	N
AF250324.1	0.996414157	N	0	N
AL590704.1	0.996414157	N	0	N
ANKS3	0.996414157	N	0	N
GIPC3	0.996414157	N	1	N
NAA10	0.996414157	N	0	N
NPHP3-AS1	0.996414157	N	0	N
TRIB1	0.996414157	N	11	N
ZNF740	0.996414157	N	0	N
AC012254.3	0.996519796	N	0	N
AC245041.2	0.996519796	N	0	N
C9orf72	0.996519796	N	0	N
DUSP4	0.996519796	N	5	N
INE2	0.996519796	N	0	N
KIAA2012	0.996519796	N	0	N
MRPS15	0.996519796	N	0	N
SF1	0.996519796	N	50	N
SMUG1	0.996519796	N	1	N
USP6NL	0.996519796	N	0	N
VEGFB	0.996519796	N	17	N
AC002044.2	0.996527075	N	0	N
AC027702.1	0.996527075	N	0	N
AKAP5	0.996527075	N	5	N
CCDC177	0.996527075	N	0	N
CPTP	0.996527075	N	4	N
KCNQ2	0.996527075	N	1	N
PISD	0.996527075	N	0	N
RPL5P8	0.996527075	N	0	N
RYR2	0.996527075	N	101	Y
YWHAEP1	0.996527075	N	0	N
TECPR1	0.996562248	N	0	N
RP11-673E1.4	0.996655144	N	0	N
TMEM110	0.996655144	N	0	N
TOMM34	0.996655144	N	1	N
AC040160.2	0.996734446	N	0	N
AC130895.1	0.996734446	N	0	N
AL671511.1	0.996734446	N	0	N
SPRYD7	0.996734446	N	0	N
AC067931.1	0.996841996	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
ZNF718	0.996902578	N	0	N
AC113383.1	0.996918197	N	0	N
SGCA	0.996959177	N	2	N
AC093462.1	0.997021198	N	0	N
ABCD4	0.997038782	N	1	N
FAM46B	0.997070089	N	0	N
USH2A	0.997154702	N	0	N
ZNF706	0.997192762	N	0	N
TRIP6	0.997302883	N	0	N
MLLT6	0.997424406	N	0	N
GNB5	0.997447626	N	2	N
AC003035.1	0.99753282	N	0	N
AC003991.1	0.99753282	N	0	N
AC023078.6	0.99753282	N	0	N
AC093484.4	0.99753282	N	0	N
AC106782.1	0.99753282	N	0	N
AC134043.2	0.99753282	N	0	N
AIRE	0.99753282	N	74	N
AL031846.2	0.99753282	N	0	N
AL161729.1	0.99753282	N	0	N
AL162377.1	0.99753282	N	0	N
AP001107.9	0.99753282	N	0	N
ATRNL1	0.99753282	N	1	N
CACNB1	0.99753282	N	0	N
CDK15	0.99753282	N	0	N
CIB2	0.99753282	N	0	N
CNOT6	0.99753282	N	2	N
CPSF6	0.99753282	N	0	N
CRIP2	0.99753282	N	0	N
DPM1	0.99753282	N	0	N
DUX4L26	0.99753282	N	0	N
EEFSEC	0.99753282	N	0	N
FAAP100	0.99753282	N	0	N
FLYWCH2	0.99753282	N	0	N
FOXD2-AS1	0.99753282	N	0	N
INPP5K	0.99753282	N	0	N
KLC1	0.99753282	N	3	N
LINC01235	0.99753282	N	0	N
LINC01750	0.99753282	N	0	N
MAFB	0.99753282	N	65	N
MGST2	0.99753282	N	0	N
MICALL1	0.99753282	N	0	N
MMP16	0.99753282	N	1	N
MTCYBP3	0.99753282	N	0	N
MTMR12	0.99753282	N	0	N
PDHA2	0.99753282	N	0	N
PSD	0.99753282	N	85	N
PTPRC	0.99753282	N	20	N
REM2	0.99753282	N	1	N
RN7SKP48	0.99753282	N	0	N
RN7SL683P	0.99753282	N	0	N
SMAD7	0.99753282	N	28	N
SNHG6	0.99753282	N	0	N
TDO2	0.99753282	N	2	N
TLE2	0.99753282	N	2	N
TRIM24	0.99753282	N	0	N
USP17L2	0.99753282	N	0	N
VPS50	0.99753282	N	0	N
AC020898.1	0.997543633	N	0	N
AL135978.1	0.997543633	N	0	N
BCL9L	0.997543633	N	0	N
EP400NL	0.997543633	N	0	N
FUOM	0.997543633	N	0	N
HEY2	0.997543633	N	1	N
MAPKAPK2	0.997543633	N	14	N
MYCBPAP	0.997543633	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
PLK3	0.997543633	N	2	N
RPS3	0.997607849	N	0	N
ESRRA	0.997820927	N	5	N
AC017007.2	0.997988925	N	0	N
AC073063.1	0.997988925	N	0	N
AC079174.1	0.997988925	N	0	N
AC097460.3	0.997988925	N	0	N
AF129075.2	0.997988925	N	0	N
BLZF2P	0.997988925	N	0	N
COMMD10	0.997988925	N	0	N
HARS2	0.997988925	N	0	N
INO80B	0.997988925	N	1	N
LINC01237	0.997988925	N	0	N
MELTF	0.997988925	N	0	N
RABGGTA	0.997988925	N	0	N
RTL1	0.997988925	N	6	N
VIPAS39	0.997988925	N	0	N
ZNF808	0.997988925	N	0	N
AC115223.1	0.9980546	N	0	N
ADAM15	0.9980546	N	5	N
AHCYP4	0.9980546	N	0	N
CNIH4	0.9980546	N	0	N
CYBA	0.9980546	N	19	N
EPHA4	0.9980546	N	10	N
FAM161B	0.9980546	N	0	N
FRMD6-AS1	0.9980546	N	0	N
HSPB1P2	0.9980546	N	0	N
LAMTOR5P1	0.9980546	N	0	N
LINC01001	0.9980546	N	0	N
LUCAT1	0.9980546	N	0	N
OTOG	0.9980546	N	0	N
SNORA63D	0.9980546	N	0	N
TMEM222	0.9980546	N	0	N
TNFSF9	0.9980546	N	2	N
WT1	0.9980546	N	125	Y
ZNF668	0.9980546	N	0	N
ARL2	0.99821667	N	0	N
BRD4	0.99821667	N	11	N
PALM	0.99821667	N	204	Y
SLC7A2	0.99821667	N	2	N
AC083843.2	0.998272516	N	0	N
CHCHD7	0.998272516	N	1	N
MFSD5	0.998304083	N	0	N
NETO1	0.998336934	N	0	N
AC027796.1	0.998413135	N	0	N
DUSP10	0.998413135	N	3	N
DYNC1I2P1	0.998413135	N	0	N
GRM1	0.998413135	N	4	N
KCNMA1-AS1	0.998413135	N	0	N
KRTAP1-5	0.998413135	N	0	N
MCOLN1	0.998413135	N	0	N
PAMR1	0.998413135	N	1	N
VTRNA2-1	0.998413135	N	1	N
Z83851.1	0.998413135	N	0	N
AASDHPPT	0.998426572	N	0	N
AC009094.1	0.998426572	N	0	N
AC012306.2	0.998426572	N	0	N
ADAMTS7P4	0.998426572	N	0	N
BOK	0.998426572	N	14	N
CEP170B	0.998426572	N	0	N
CSRP1	0.998426572	N	0	N
DDX58	0.998426572	N	8	N
ERVFRD-1	0.998426572	N	1	N
FALEC	0.998426572	N	0	N
KARSP3	0.998426572	N	0	N
KLHL32	0.998426572	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
MFSD6	0.998426572	N	0	N
PQLC2L	0.998426572	N	0	N
TMSB10P1	0.998426572	N	0	N
ZNF441	0.998426572	N	0	N
AC006441.1	0.998463859	N	0	N
KIAA1671	0.998463859	N	0	N
AC105391.1	0.998602627	N	0	N
AL354794.2	0.998602627	N	0	N
KMT2D	0.998602627	N	2	N
USP12PX	0.998628849	N	0	N
AC234644.1	0.998662168	N	0	N
AC010761.2	0.998705469	N	0	N
AC068338.2	0.998705469	N	0	N
AC145285.4	0.998705469	N	0	N
RAB11FIP3	0.998789986	N	0	N
ARF4-AS1	0.998867507	N	0	N
ANXA10	0.998983471	N	1	N
RNF103-CHMP3	0.998983552	N	0	N
AC090568.1	0.998989037	N	0	N
CR382285.1	0.998989037	N	0	N
FAM60A	0.998989037	N	0	N
KIF9	0.998989037	N	0	N
POLR2A	0.998989037	N	0	N
SNORA23	0.998989037	N	0	N
TAP1	0.998989037	N	28	N
MED12L	0.998993612	N	1	N
C16orf70	0.999090875	N	0	N
SCX	0.999251136	N	14	N
AC009244.1	0.99925675	N	0	N
AL138724.1	0.99925675	N	0	N
CCDC144NL-AS1	0.99925675	N	0	N
ISG15	0.99925675	N	5	N
NEFM	0.99925675	N	1	N
TLX1	0.99925675	N	3	N
BMP1	0.999256998	N	7	N
COL18A1	0.999335302	N	18	N
KCCAT198	0.99934093	N	0	N
BEND3	0.999369454	N	0	N
GRIA4	0.999369454	N	3	N
TRAPPC1	0.999369454	N	0	N
PSMB10	0.999384357	N	1	N
CTA-14H9.5	0.999411289	N	0	N
HDAC11	0.999411289	N	4	N
AC025594.2	0.999457379	N	0	N
BPI	0.999457379	N	12	N
AC090515.5	0.999506558	N	0	N
AL139393.2	0.999506558	N	0	N
AL512844.2	0.999506558	N	0	N
CNPY4	0.999506558	N	0	N
LAT2	0.999506558	N	6	N
AC011330.2	0.999571748	N	0	N
AC011611.6	0.999571748	N	0	N
AC016907.2	0.999571748	N	0	N
AC092143.2	0.999571748	N	0	N
AC108215.1	0.999571748	N	0	N
ADGRF5	0.999571748	N	0	N
AGGF1P9	0.999571748	N	0	N
AL139353.1	0.999571748	N	0	N
AL162632.3	0.999571748	N	0	N
ANKFN1	0.999571748	N	0	N
ELOB	0.999571748	N	0	N
ERO1A	0.999571748	N	4	N
FAM213AP2	0.999571748	N	0	N
FIG4	0.999571748	N	3	N
FMR1	0.999571748	N	19	N
GACAT2	0.999571748	N	0	N

Gene symbols	FDR (differential expression analysis)	Differentially expressed gene? Y, Yes; N, No	Number of insulin related publications	Insulin related gene? Y, Yes; N, No
GNPDA2	0.999571748	N	11	N
HRASLS5	0.999571748	N	0	N
ICA1	0.999571748	N	25	N
IPO8	0.999571748	N	0	N
LENG9	0.999571748	N	0	N
MAP3K10	0.999571748	N	2	N
NBPF12	0.999571748	N	0	N
NCKAP5	0.999571748	N	0	N
NUDT9	0.999571748	N	4	N
RNU1-19P	0.999571748	N	0	N
SENP2	0.999571748	N	3	N
TINCR	0.999571748	N	1	N
ZBTB32	0.999571748	N	0	N
RPL7AP6	0.999593872	N	0	N
AC093010.2	0.999631629	N	0	N
CEBPA	0.999631629	N	411	Y
AC079089.2	0.999653251	N	0	N
SYNGR2	0.999775485	N	0	N
AC114491.1	0.999821239	N	0	N
CADM1	0.999821239	N	7	N
LINC02503	0.999821239	N	0	N
NXPH3	0.999821239	N	0	N
PRKCB	0.999821239	N	6	N
RPS15AP29	0.999821239	N	0	N
SMIM19	0.999821239	N	0	N
ZNF74	0.999839336	N	0	N
AL365259.1	0.99984787	N	0	N
ETS1	0.99984787	N	17	N
OPN1SW	0.99984787	N	0	N
TAB1	0.99984787	N	9	N

Supplemental Table 8 | Demographics and symptom severity of subjects in the IRS studies

	Healthy Control (HC)	Schizophrenia (SZ)	Bipolar disorder (BP)
N	15	15	11
Age	34.7±3.1	32.4±3.2	41.0±3.3
Gender (Male/Female)*	12/3	10/5	3/8
Race (Caucasian/Other)	6/9	4/11	8/3
Smoking (Yes/No)	4/11	9/6	4/7
SANS		6.38±1.58	
SAPS		2.92±1.08	
MADRS			7.73±1.18
YMRS			1.09±0.62

* $P < 0.05$

SANS: The Scale for the Assessment of Negative Symptoms

SAPS: The Scale for the Assessment of Positive Symptoms

MADRS: Montgomery Asberg Depression Rating Scale

YMRS: Young Mania Rating Scale