Electronic supplementary material

ESM Table 2 The most highly enriched pancreatic transcripts in islets

Ensemble gene	Gene		Relative fluorescence		
	Symbol	Description	Islets	Pancreas	Ratio (islets:pancreas)
ENSMUSG00000027273	*Snap25*	Synaptosomal-associated protein 25 gene	76.73	0.33	232.96
ENSMUSG00000002265	*Peg3*	Paternally expressed 3 gene	61.90	0.38	162.01
ENSMUSG00000026018	*Ica1l*	Islet cell autoantigen 1-like gene	23.71	0.17	141.73
ENSMUSG00000022095	*Rai16*	Family with sequence similarity 160, member B2 gene	237.73	2.35	101.16
ENSMUSG00000044988	*Ucn3*	Urocortin 3 gene	24.00	0.25	95.91
ENSMUSG00000027350	*Chgb*	Chromogranin B gene	255.84	2.95	86.76
ENSMUSG00000033821	*RP23-101H1.6*		20.14	0.26	77.68
ENSMUSG00000056061	*OTTMUSG00000016300*	Predicted gene, OTTMUSG00000016300 gene	28.67	0.38	74.84
ENSMUSG00000026989	*Dapl1*	Death associated protein-like 1 gene	38.56	0.52	73.99
ENSMUSG00000022315	*Slc30a8*	Solute carrier family 30 (zinc transporter), member 8 gene	101.26	1.40	72.43
ENSMUSG00000024027	*Glp1r*	Glucagon-like peptide 1 receptor gene	18.32	0.26	70.89
ENSMUSG00000031144	*Syp*	Protein tyrosine phosphatase, non-receptor type 11 gene	52.17	0.75	69.40
ENSMUSG00000044139	*BC039632*	Polyserase-3 Precursor (EC 3.4.21.-) (Polyserine protease 3)	54.51	0.80	68.14
ENSMUSG00000020680	*Taf15*	TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor gene	11.33	0.18	62.61
ENSMUSG00000028354	*Fmn2*	Formin 2 gene	13.70	0.23	59.41
ENSMUSG00000047507	*Baiap3*	BAI1-associated protein 3 gene	12.55	0.24	53.09
ENSMUSG00000039395	*Mreg*	Melanoregulin gene	16.25	0.31	52.27
ENSMUSG00000055409	*Nell1*	NEL-like 1 (chicken) gene	19.52	0.38	50.92
ENSMUSG00000002455	*Prpf6*	PRP6 pre-mrna splicing factor 6 homologue (yeast) gene	144.00	2.96	48.71
ENSMUSG00000032181	*Scg3*	Secretogranin III gene	120.72	2.55	47.40
ENSMUSG00000025246	*Tbl1x*	Transducin (beta)-like 1 X-linked gene	5.25	0.11	46.83
ENSMUSG00000024290	*Rock1*	Rho-associated coiled-coil containing protein kinase 1 gene	18.72	0.40	46.34
ENSMUSG00000026072	*Il1r1*	Interleukin 1 receptor, type I gene	34.85	0.76	45.58
ENSMUSG00000024293	*Esco1*	Establishment of cohesion 1 homologue 1 (S. Cerevisiae) gene	16.27	0.36	45.41
ENSMUSG00000021803	*Pcdh21*	Protocadherin 21 gene	13.86	0.31	44.72
ENSMUSG00000034701	*Neurod1*	Neurogenic differentiation 1 gene	24.26	0.54	44.53
ENSMUSG00000027168	*Pax6*	Paired box gene 6 gene	24.20	0.56	42.88
ENSMUSG00000038708	*Golga4*	Golgi autoantigen, golgin subfamily a, 4 gene	50.22	1.18	42.65
ENSMUSG00000027690	*Slc2a2*	Solute carrier family 2 (facilitated glucose transporter), member 2 gene	58.42	1.39	42.01

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ENSMUSG00000069072	*Slc7a14*	Solute carrier family 7 (cationic amino acid transporter, y+ system), member 14 gene	22.01	0.53	41.87
ENSMUSG00000070733	*Fryl*	Furry homolog-like (Drosophila) gene	24.80	0.61	40.88
ENSMUSG00000024991	*Eif3a*	Eukaryotic translation initiation factor 3, subunit A gene	31.50	0.79	39.74
ENSMUSG00000064070	*2810051F02Rik*	RIKEN cdna 2810051F02 gene gene	5.97	0.15	38.82
ENSMUSG00000034088	*Hdlbp*	High density lipoprotein (HDL) binding protein gene	36.52	0.95	38.64
ENSMUSG00000050071	*Bex1*	Brain expressed X-linked 2 gene	81.97	2.24	36.61
ENSMUSG00000058470	*AC114657.9*		6.32	0.17	36.46
ENSMUSG00000019943	*Atp2b1*	Atpase, Ca++ transporting, plasma membrane 1 gene	20.29	0.56	36.42
ENSMUSG00000021303	*Gng4*	Guanine nucleotide binding protein (G protein), gamma 4 gene	12.52	0.35	36.12
ENSMUSG00000054728	*Phactr1*	Phosphatase and actin regulator 1 gene	12.10	0.34	35.32
ENSMUSG00000022469	*Rapgef3*	Rap guanine nucleotide exchange factor (GEF) 3 gene	20.91	0.60	35.10
ENSMUSG00000026163	*Sphkap*	SPHK1 interactor, AKAP domain containing gene	10.77	0.31	34.92
ENSMUSG00000021268	*Meg3*	Maternally expressed 3 gene	28.37	0.81	34.86
ENSMUSG00000038095	*Sbno1*	Sno, strawberry notch homologue 1 (Drosophila) gene	49.47	1.46	33.95
ENSMUSG00000021807	*2700060E02Rik*	RIKEN cdna 2700060E02 gene gene	60.96	1.81	33.68
ENSMUSG00000068615	*Gjd2*	Gap junction protein, delta 2 gene	19.97	0.59	33.59
ENSMUSG00000026020	*Nol5*	Nucleolar protein 5 gene	11.98	0.36	33.54
ENSMUSG00000029227	*Fip1l1*	FIP1 like 1 (S. Cerevisiae) gene	64.13	1.97	32.57
ENSMUSG00000021587	*Pcsk1*	Proprotein convertase subtilisin/kexin type 1 gene	20.82	0.64	32.37
ENSMUSG00000040136	*Abcc8*	ATP-binding cassette, sub-family C (CFTR/MRP), member 8 gene	19.26	0.60	32.21
ENSMUSG00000040586	*Ofd1*	Oral-facial-digital syndrome 1 gene homologue (human) gene	8.87	0.28	31.91
ENSMUSG00000005373	*Mlxipl*	MLX interacting protein-like gene	27.54	0.87	31.78
ENSMUSG00000027220	*Syt13*	Synaptotagmin XIII gene	13.38	0.43	31.25
ENSMUSG00000030683	*Sez6l2*	Seizure related 6 homologue like 2 gene	16.85	0.55	30.89
ENSMUSG00000029004	*Mll5*	Myeloid/lymphoid or mixed-lineage leukemia 5 gene	12.99	0.43	30.27
ENSMUSG00000042258	*Isl1*	ISL1 transcription factor, LIM/homeodomain gene	30.93	1.02	30.20
ENSMUSG00000031229	*Atrx*	Alpha thalassemia/mental retardation syndrome X-linked homologue (human) gene	11.08	0.37	30.17
ENSMUSG00000024044	*Epb4.1l3*	Erythrocyte protein band 4.1-like 3 gene	11.98	0.40	29.73
ENSMUSG00000037625	*Cldn11*	Claudin 11 gene	8.90	0.30	29.44
ENSMUSG00000038774	*Ascc3*	Activating signal cointegrator 1 complex subunit 3 gene	7.16	0.24	29.25
ENSMUSG00000055022	*Cntn1*	Contactin 1 gene	10.49	0.36	29.18
ENSMUSG00000075020	*E530001K10Rik*	RIKEN cdna E530001K10 gene gene	9.08	0.32	28.56
ENSMUSG00000005268	*Prlr*	Prolactin receptor gene	10.63	0.38	27.83

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ENSMUSG00000021488	*Nsd1*	Nuclear receptor-binding SET-domain protein 1 gene	14.70	0.53	27.60
ENSMUSG00000026347	*Tmem163*	Transmembrane protein 163 gene	9.10	0.33	27.31
ENSMUSG00000042133	*Ppig*	Peptidyl-prolyl isomerase G (cyclophilin G) gene	14.06	0.52	27.24
ENSMUSG00000030785	*Cox6a2*	Cytochrome c oxidase, subunit VI a, polypeptide 2 gene	13.81	0.52	26.80
ENSMUSG00000003814	*Calr*	Calreticulin gene	341.15	12.81	26.64
ENSMUSG00000056219	*AC155941.3*		7.47	0.28	26.61
ENSMUSG00000004360	*AC153912.8*		6.99	0.26	26.60
ENSMUSG00000031600	*Vps37a*	Vacuolar protein sorting 37A (yeast) gene	42.74	1.62	26.40
ENSMUSG00000028820	*Sfpq*	Splicing factor proline/glutamine rich (polypyrimidine tract binding protein associated) gene	103.85	3.95	26.27
ENSMUSG00000024899	*Papss2*	3'-phosphoadenosine 5'-phosphosulfate synthase 2 gene	12.48	0.48	26.25
ENSMUSG00000015401	*Tmem27*	Transmembrane protein 27 gene	101.37	3.86	26.23
ENSMUSG00000006335	*Tfpt*	TCF3 (E2A) fusion partner gene	25.69	1.00	25.64
ENSMUSG00000032030	*Cul5*	Cullin 5 gene	28.75	1.12	25.60
ENSMUSG00000027419	*Pcsk2*	Proprotein convertase subtilisin/kexin type 2 gene	31.94	1.25	25.55
ENSMUSG00000033061	*Resp18*	Regulated endocrine-specific protein 18 gene	48.66	1.92	25.35
ENSMUSG00000071478	*Hist1h2ad*	Histone cluster 1, h2ad gene	11.72	0.47	25.02
ENSMUSG00000033740	*St18*	Suppression of tumorigenicity 18 gene	7.63	0.31	24.95
ENSMUSG00000058569	*Tmed9*	Transmembrane emp24 protein transport domain containing 9 gene	172.88	7.05	24.53
ENSMUSG00000026987	*Baz2b*	Bromodomain adjacent to zinc finger domain, 2B gene	15.60	0.64	24.43
ENSMUSG00000043388	*Tmem130*	Transmembrane protein 130 gene	15.91	0.65	24.32
ENSMUSG00000068617	*Efcab1*	EF hand calcium binding domain 1 gene	9.48	0.40	23.84
ENSMUSG00000031696	*Vps35*	Vacuolar protein sorting 35 gene	12.40	0.52	23.81
ENSMUSG00000067219	*Npal1*	NIPA-like domain containing 1 gene	9.23	0.41	22.78
ENSMUSG00000029992	*Gfpt1*	Glutamine fructose-6-phosphate transaminase 1 gene	7.98	0.35	22.74
ENSMUSG00000028514	*Usp24*	Ubiquitin specific peptidase 24 gene	4.02	0.18	22.40
ENSMUSG00000027177	*Hipk3*	Homeodomain interacting protein kinase 3 gene	8.25	0.37	22.33
ENSMUSG00000043518	*Rai2*	Retinoic acid induced 2 gene	18.66	0.85	22.06
ENSMUSG00000044676	*Zfp612*	Zinc finger protein 612 gene	23.62	1.07	22.00
ENSMUSG00000025788	*AC154883.13*	Putative uncharacterized protein	12.62	0.58	21.91
ENSMUSG00000058672	*Tubb2a*	Tubulin, beta 2a gene	78.30	3.63	21.54
ENSMUSG00000073530	*Pappa2*	Pappalysin 2 gene	9.04	0.42	21.28
ENSMUSG00000040035	*Disp2*	Dispatched homologue 2 (Drosophila) gene	8.82	0.42	20.76
ENSMUSG00000070471	*AC119873.38*		4.59	0.22	20.73
ENSMUSG00000038884	*A230050P20Rik*	RIKEN cdna A230050P20 gene gene	11.62	0.57	20.57

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ENSMUSG00000028445	*2310040A07Rik*	RIKEN cdna 2310040A07 gene gene	11.86	0.58	20.34
ENSMUSG00000020086	*H2afy2*	H2A histone family, member Y2 gene	8.74	0.43	20.32
ENSMUSG00000054423	*Cadps*	Ca2+-dependent secretion activator gene	3.53	0.18	20.05
ENSMUSG00000073019	*AL669964.18-202*	Putative uncharacterized protein	14.93	0.77	19.38
ENSMUSG00000005232	*G6pc2*	Glucose-6-phosphatase, catalytic, 2 gene	127.71	6.70	19.06
ENSMUSG00000005640	*Insrr*	Insulin receptor-related receptor gene	7.54	0.40	18.91
ENSMUSG00000031284	*Pak3*	P21 (CDKN1A)-activated kinase 3 gene	5.31	0.28	18.88
ENSMUSG00000037852	*Cpe*	Carboxypeptidase E gene	432.12	23.07	18.73
ENSMUSG00000005233	*Spc25*	SPC25, NDC80 kinetochore complex component, homologue (S. Cerevisiae) gene	39.19	2.10	18.63
ENSMUSG00000057246	*Tesb*	Testis specific basic protein gene	6.61	0.36	18.60
ENSMUSG00000035569	*Ankrd11*	Ankyrin repeat domain 11 gene	18.09	0.98	18.56
ENSMUSG00000022141	*Nipbl*	Nipped-B homologue (Drosophila) gene	16.67	0.92	18.16
ENSMUSG00000040387	*Klhl32*	Kelch-like 32 (Drosophila) gene	8.03	0.44	18.16
ENSMUSG00000024261	*Syt4*	Synaptotagmin IV gene	11.17	0.62	18.16
ENSMUSG00000072501	*Phf20l1*	PHD finger protein 20-like 1 gene	24.75	1.37	18.10
ENSMUSG00000032221	*Mns1*	Meiosis-specific nuclear structural protein 1 gene	6.57	0.37	17.97
ENSMUSG00000061601	*Pclo*	Piccolo (presynaptic cytomatrix protein) gene	1.90	0.11	17.67
ENSMUSG00000000184	*Ccnd2*	Cyclin D2 gene	59.99	3.44	17.43
ENSMUSG00000024122	*Pdpk1*	3-phosphoinositide dependent protein kinase-1 gene	11.34	0.66	17.29
ENSMUSG00000022479	*Vdr*	Vitamin D receptor gene	10.23	0.59	17.20
ENSMUSG00000031010	*Usp9x*	Ubiquitin specific peptidase 9, X chromosome gene	26.21	1.54	17.04
ENSMUSG00000035187	*Nkx6-1*	NK6 homeobox 1 gene	19.25	1.13	17.02
ENSMUSG00000031327	*Chic1*	Cysteine-rich hydrophobic domain 1 gene	4.37	0.26	16.84
ENSMUSG00000019917	*Sep.10*	Septin 10 gene	5.72	0.34	16.62
ENSMUSG00000071567	*A830039N20Rik*	RIKEN cdna A830039N20 gene gene	3.54	0.21	16.49
ENSMUSG00000071354	*2410022M11Rik*	RIKEN cdna 2410022M11 gene gene	33.52	2.04	16.47
ENSMUSG00000006651	*Aplp1*	Amyloid beta (A4) precursor-like protein 1 gene	25.87	1.58	16.42
ENSMUSG00000029591	*Ung*	Uracil DNA glycosylase gene	17.59	1.07	16.40
ENSMUSG00000009246	*Trpm5*	Transient receptor potential cation channel, subfamily M, member 5 gene	5.67	0.35	16.31
ENSMUSG00000045382	*Cxcr4*	Chemokine (C-X-C motif) receptor 4 gene	4.18	0.26	16.28
ENSMUSG00000031428	*Zcchc18*	Zinc finger, CCHC domain containing 18 gene	10.15	0.63	16.23
ENSMUSG00000029919	*Ptgds2*	Prostaglandin D2 synthase 2, hematopoietic gene	4.89	0.30	16.12
ENSMUSG00000031095	*Cul4b*	Cullin 4B gene	17.58	1.10	15.95

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ENSMUSG00000021999	*Cpb2*	Carboxypeptidase B2 (plasma) gene	6.33	0.40	15.80
ENSMUSG00000071234	*Tmem90a*	Transmembrane protein 90a gene	10.21	0.65	15.77
ENSMUSG00000024298	*9030612M13Rik*	RIKEN cdna 9030612M13 gene gene	8.38	0.54	15.66
ENSMUSG00000000686	*1300007F04Rik*	RIKEN cdna 1300007F04 gene gene	3.54	0.23	15.59
ENSMUSG00000030180	*Jarid1a*	Jumonji, AT rich interactive domain 1A (Rbp2 like) gene	3.78	0.24	15.56
ENSMUSG00000023927	*Satb1*	Special AT-rich sequence binding protein 1 gene	3.85	0.25	15.39
ENSMUSG00000041608	*Entpd3*	Ectonucleoside triphosphate diphosphohydrolase 3 gene	6.01	0.39	15.26
ENSMUSG00000004267	*Eno2*	Enolase 2, gamma neuronal gene	9.12	0.61	15.04
ENSMUSG00000043920	*AC157657.2*		15.45	1.03	15.03
ENSMUSG00000044933	*Sstr3*	Somatostatin receptor 3 gene	5.64	0.38	14.99
ENSMUSG00000028906	*Epb4.1*	Erythrocyte protein band 4.1 gene	12.00	0.80	14.98
ENSMUSG00000041528	*Rnf123*	Ring finger protein 123 gene	10.72	0.72	14.92
ENSMUSG00000067851	*Arfgef1*	ADP-ribosylation factor guanine nucleotide-exchange factor 1(brefeldin A-inhibited) gene	6.28	0.43	14.62
ENSMUSG00000019796	*Lrp11*	Low density lipoprotein receptor-related protein 11 gene	11.18	0.77	14.56
ENSMUSG00000033715	*Akr1c14*	Aldo-keto reductase family 1, member C14 gene	17.66	1.22	14.49
ENSMUSG00000042446	*Zmym4*	Zinc finger, MYM-type 4 gene	7.76	0.54	14.46
ENSMUSG00000068154	*Insm1*	Insulinoma-associated 1 gene	9.63	0.67	14.44
ENSMUSG00000020048	*Hsp90b1*	Heat shock protein 90, beta (Grp94), member 1 gene	136.51	9.52	14.34
ENSMUSG00000024002	*Brd4*	Bromodomain containing 4 gene	11.15	0.79	14.09
ENSMUSG00000042249	*Adrbk2*	Adrenergic receptor kinase, beta 2 gene	3.46	0.25	14.06
ENSMUSG00000023387	*AC159106.3*		11.15	0.80	13.93
ENSMUSG00000032621	*Sfrs12*	Splicing factor, arginine/serine-rich 12 gene	10.92	0.79	13.90
ENSMUSG00000023039	*Krt7*	Keratin 7 gene	8.96	0.65	13.89
ENSMUSG00000020863	*3300001P08Rik*	RIKEN cdna 3300001P08 gene gene	72.09	5.23	13.77
ENSMUSG00000045284	*Wdr40b*	WD repeat domain 40B gene	4.60	0.33	13.76
ENSMUSG00000031119	*Gpc4*	Glypican 4 gene	43.19	3.14	13.75
ENSMUSG00000069769	*Msi2*	Musashi homologue 2 (Drosophila) gene	8.59	0.64	13.52
ENSMUSG00000044748	*Defb1*	Defensin beta 1 gene	15.90	1.18	13.49
ENSMUSG00000041328	*Pcf11*	Cleavage and polyadenylation factor subunit homologue (S. Cerevisiae) gene	10.51	0.78	13.42
ENSMUSG00000040225	*Bat2d*	BAT2 domain containing 1 gene	8.84	0.66	13.40
ENSMUSG00000020661	*Dnmt3a*	DNA methyltransferase 3A gene	8.24	0.62	13.40
ENSMUSG00000039967	*Zfp292*	Zinc finger protein 292 gene	3.42	0.26	13.24
ENSMUSG00000028357	*Kif12*	Kinesin family member 12 gene	6.99	0.53	13.19

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ENSMUSG00000027952	*Pmvk*	Phosphomevalonate kinase gene	7.05	0.54	13.12
ENSMUSG00000042460	*C1galt1*	Core 1 synthase, glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase, 1 gene	16.91	1.29	13.11
ENSMUSG00000026355	*Mcm6*	Minichromosome maintenance deficient 6 (MIS5 homolog, S. Pombe) (S. Cerevisiae) gene	9.20	0.70	13.11
ENSMUSG00000021910	*Nisch*	Nischarin gene	13.05	1.00	13.05
ENSMUSG00000043909	*Trp53bp1*	Transformation related protein 53 binding protein 1 gene	10.24	0.79	13.02
ENSMUSG00000048779	*P2ry6*	Pyrimidinergic receptor P2Y, G-protein coupled, 6 gene	11.20	0.86	13.00
ENSMUSG00000040928	*S100pbp*	S100P binding protein gene	5.84	0.45	12.96
ENSMUSG00000064061	*Dzip3*	DAZ interacting protein 3, zinc finger gene	4.74	0.37	12.91
ENSMUSG00000039278	*Pcsk1n*	Proprotein convertase subtilisin/kexin type 1 inhibitor gene	12.14	0.94	12.89
ENSMUSG00000040297	*AI848100*	CA009_MOUSE Isoform 2 of Q8C341 - Mus musculus (Mouse)	4.94	0.38	12.85
ENSMUSG00000035623	*Rsf1*	Remodeling and spacing factor 1 gene	3.33	0.26	12.80
ENSMUSG00000028795	*Ccdc28b*	Coiled coil domain containing 28B gene	11.81	0.93	12.74
ENSMUSG00000019838	*Slc16a10*	Solute carrier family 16 (monocarboxylic acid transporters), member 10 gene	3.19	0.25	12.72
ENSMUSG00000031255	*Sytl4*	Synaptotagmin-like 4 gene	14.62	1.15	12.72
ENSMUSG00000020635	*Fkbp1b*	FK506 binding protein 1b gene	14.95	1.19	12.57
ENSMUSG00000058942	*AC120391.6*	Putative uncharacterized protein fragment	5.34	0.43	12.51
ENSMUSG00000023236	*Scg5*	Secretogranin V gene	70.46	5.66	12.45
ENSMUSG00000003031	*Cdkn1b*	Cyclin-dependent kinase inhibitor 1B gene	4.89	0.39	12.42
ENSMUSG00000027801	*Tm4sf4*	Transmembrane 4 superfamily member 4 gene	46.48	3.75	12.41
ENSMUSG00000034349	*Smc4*	Structural maintenance of chromosomes 4 gene	8.09	0.65	12.41
ENSMUSG00000038902	*Pogz*	Pogo transposable element with ZNF domain gene	10.38	0.84	12.39
ENSMUSG00000027893	*Ahcyl1*	S-adenosylhomocysteine hydrolase-like 1 gene	7.06	0.57	12.28
ENSMUSG00000028989	*Angptl7*	Angiopoietin-like 7 gene	13.09	1.07	12.24
ENSMUSG00000025738	*Fbxl16*	F-box and leucine-rich repeat protein 16 gene	37.17	3.07	12.11
ENSMUSG00000040009	*Gnaz*	Guanine nucleotide binding protein, alpha z subunit gene	10.26	0.85	12.09
ENSMUSG00000036766	*1810011H11Rik*	Delta/notch-like EGF-related receptor gene	5.57	0.46	12.06
ENSMUSG00000056222	*Spock1*	Sparc/osteonectin, cwcv and kazal-like domains proteoglycan 1 gene	4.87	0.41	12.01
ENSMUSG00000043668	*Tox3*	TOX high mobility group box family member 3 gene	7.93	0.66	12.00
ENSMUSG00000020788	*Atp2a3*	Atpase, Ca++ transporting, ubiquitous gene	8.12	0.68	11.96
ENSMUSG00000042772	*Smg7*	Smg-7 homolog, nonsense mediated mrna decay factor (C. Elegans) gene	18.65	1.56	11.96
ENSMUSG00000029559	*2210016L21Rik*	RIKEN cdna 2210016L21 gene gene	11.46	0.96	11.96

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ENSMUSG00000010277	*2610507B11Rik*	RIKEN cdna 2610507B11 gene gene	3.57	0.30	11.94
ENSMUSG00000027263	*Tubgcp4*	Tubulin, gamma complex associated protein 4 gene	8.61	0.72	11.92
ENSMUSG00000030838	*Ush1c*	Usher syndrome 1C homologue (human) gene	7.46	0.63	11.91
ENSMUSG00000022983	*Sfrs15*	Splicing factor, arginine/serine-rich 15 gene	10.78	0.91	11.86
ENSMUSG00000021728	*Emb*	POU domain, class 6, transcription factor 1 gene	3.62	0.31	11.84
ENSMUSG00000004366	*Sst*	Somatostatin gene	45.46	3.85	11.82
ENSMUSG00000028869	*Gnl2*	Guanine nucleotide binding protein-like 2 (nucleolar) gene	21.54	1.83	11.78
ENSMUSG00000037608	*Bclaf1*	BCL2-associated transcription factor 1 gene	14.73	1.25	11.75
ENSMUSG00000034297	*Med13*	Mediator complex subunit 13 gene	9.26	0.79	11.74
ENSMUSG00000034007	*Scaper*	S phase cyclin A-associated protein in the ER gene	4.95	0.42	11.70
ENSMUSG00000052727	*Mtap1b*	Microtubule-associated protein 1B gene	6.14	0.53	11.63
ENSMUSG00000063142	*Kcnma1*	Potassium large conductance calcium-activated channel, subfamily M, alpha member 1 gene	2.32	0.20	11.59
ENSMUSG00000011382	*Dhdh*	Dihydrodiol dehydrogenase (dimeric) gene	6.01	0.52	11.58
ENSMUSG00000014232	*Cluap1*	Clusterin associated protein 1 gene	10.90	0.94	11.57
ENSMUSG00000071551	*Akr1c19*	Aldo-keto reductase family 1, member C19 gene	5.91	0.51	11.53
ENSMUSG00000031748	*Gnao1*	Guanine nucleotide binding protein, alpha O gene	3.35	0.29	11.50
ENSMUSG00000021733	*Slc4a7*	Solute carrier family 4, sodium bicarbonate cotransporter, member 7 gene	3.18	0.28	11.45
ENSMUSG00000072966	*Gprasp2*	G protein-coupled receptor associated sorting protein 2 gene	3.42	0.30	11.45
ENSMUSG00000027805	*Pfn*	Perforin 1 (pore forming protein) gene	8.89	0.79	11.25
ENSMUSG00000035545	*Leng8*	Leukocyte receptor cluster (LRC) member 8 gene	18.50	1.65	11.24
ENSMUSG00000024513	*Mbd2*	Methyl-cpg binding domain protein 2 gene	32.79	2.93	11.20
ENSMUSG00000027184	*Caprin1*	Cell cycle associated protein 1 gene	8.16	0.73	11.17
ENSMUSG00000039474	*Wfs1*	Wolfram syndrome 1 homologue (human) gene	43.45	3.89	11.17
ENSMUSG00000039954	*Stk32a*	Serine/threonine kinase 32A gene	11.01	1.00	10.99
ENSMUSG00000046404	*Yod1*	YOD1 OTU deubiquitinating enzyme 1 homologue (S. Cerevisiae) gene	13.53	1.24	10.95
ENSMUSG00000031161	*Hdac6*	Histone deacetylase 6 gene	12.56	1.15	10.95
ENSMUSG00000020402	*Vdac1*	Voltage-dependent anion channel 1 gene	295.13	27.01	10.92
ENSMUSG00000005198	*Polr2a*	Polymerase (RNA) II (DNA directed) polypeptide A gene	3.62	0.33	10.87
ENSMUSG00000037736	*Limch1*	LIM and calponin homology domains 1 gene	3.37	0.31	10.76
ENSMUSG00000048874	*Phf3*	PHD finger protein 3 gene	3.90	0.36	10.76
ENSMUSG00000040943	*AC120398.10*	TET2_MOUSE Isoform 2 of Q4JK59 - Mus musculus (Mouse)	16.27	1.52	10.69
ENSMUSG00000048495	*1110034B05Rik*	RIKEN cdna 1110034B05 gene gene	14.82	1.39	10.69

Ensemble gene	Gene		Relative fluorescence		
	Symbol	Description	Islets	Pancreas	Ratio (islets:pancreas)
ENSMUSG00000034951	*Cog7*	Component of oligomeric golgi complex 7 gene	65.13	6.12	10.63
ENSMUSG00000020732	*Rab37*	RAB37, member of RAS oncogene family gene	11.12	1.05	10.62
ENSMUSG00000003469	*Phyhip*	Phytanoyl-coa hydroxylase interacting protein gene	4.78	0.45	10.61
ENSMUSG00000037306	*Man1c1*	Mannosidase, alpha, class 1C, member 1 gene	3.26	0.31	10.53
ENSMUSG00000021194	*Chga*	Chromogranin A gene	258.99	24.73	10.47
ENSMUSG00000062604	*Srpk2*	Serine/arginine-rich protein specific kinase 2 gene	4.03	0.39	10.46
ENSMUSG00000030873	*Scnn1b*	Sodium channel, nonvoltage-gated 1 beta gene	6.90	0.66	10.46
ENSMUSG00000027865	*Gdap2*	Ganglioside-induced differentiation-associated-protein 2 gene	2.99	0.29	10.32
ENSMUSG00000025777	*Gdap1*	Ganglioside-induced differentiation-associated-protein 1 gene	4.15	0.40	10.26
ENSMUSG00000039470	*Zdhhc2*	Zinc finger, DHHC domain containing 2 gene	6.82	0.67	10.24
ENSMUSG00000023473	*Celsr3*	Cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila) gene	2.48	0.24	10.20
ENSMUSG00000002413	*Braf*	Braf transforming gene gene	2.79	0.28	10.04
ENSMUSG00000063887	*Nlgn1*	Neuroligin 1 gene	6.74	0.67	10.00

The fluorescence intensities from islet and pancreas samples for each of the ~10,000 transcripts expressed were normalised to the median fluorescence intensity of the respective tissue sample (CHF, n=6) and used for calculation of the ratio of relative intensities (islets:pancreas) as a measure of islet-enrichment