

Supplementary Table 5: Signaling Receptors enriched (>1.2) in pairwise comparisons between cell populations in the developing gut.

Receptors were identified from the annotation terms *receptor* (SP_PIR_KEYWORDS) and *receptor activity* (GO:0004872). The combined lists of genes were manually screened to remove wrongly annotated genes.

SoxE11 vs WntE11		SoxE11 vs SoxE15	
S11vsW11	Fold Change >1.2	S11vsS15	Fold Change >1.2
Eda2r	ectodysplasin A2 isoform receptor	Antxr1	anthrax toxin receptor 1
		Ednra	endothelin receptor type A
		Epha3	Eph receptor A3
		Fkbp4	FK506 binding protein 4
		Fzd7	frizzled homolog 7 (Drosophila)
		Gabra3	gamma-aminobutyric acid (GABA) receptor subunit 3
		Ghr	growth hormone receptor
		Gpr50	G-protein-coupled receptor 50
		Gprc5c	G protein-coupled receptor, family C, class 5, member C
		Grb10	growth factor receptor bound protein 10
		Hmmr	hyaluronan mediated motility receptor
		Hyal2	hyaluronoglucosaminidase 2
		Itga4	integrin alpha 4
		Itga8	integrin alpha 8
		Itga9	integrin alpha 9
		Itpr1	inositol 1,4,5-triphosphate receptor 1
		Jmjd6	jumonji domain containing 6
		Lbr	lamin B receptor
		Ly75	lymphocyte antigen 75
		Notch3	Notch gene homolog 3 (Drosophila)
		Npr3	natriuretic peptide receptor 3
		Nr1h5	nuclear receptor subfamily 1, group 5, member 5
		Nr2f1	nuclear receptor subfamily 2, group 1, member 1
		Nr2f2	similar to COUP-TFI; nuclear receptor subfamily 2, group 2, member 2
		Nrip1	nuclear receptor interacting protein 1
		Nrp1	neuropilin 1
		Olfir543	olfactory receptor 543
		Opn3	opsin 3
		Pdgfra	platelet derived growth factor receptor alpha
		Phb2	prohibitin 2
		Plxna4	plexin A4
		Ptch1	patched homolog 1
		Ptpn1	protein tyrosine phosphatase, non-receptor type 1
		Ptprk	protein tyrosine phosphatase, non-receptor type 11
		Ret	ret proto-oncogene
		Robo1	roundabout homolog 1 (Drosophila)
		Rtn4r1l	reticulon 4 receptor-like 1

		Scarb1	scavenger receptor class B, me
		Sigmar1	sigma non-opioid intracellular
		Tas2r137	taste receptor, type 2, membe
		Tfrc	transferrin receptor
		Tomm22	predicted gene 12906; predicte
		Traf4	TNF receptor associated factor
		Trip13	thyroid hormone receptor inte
		Unc5c	unc-5 homolog C (C. elegans)
WntE11 vs SoxE11		WntE11 vs WntE15	
W11vsS11	Fold Change >1.2	W11vsW15	Fold Change >1.2
Epha3	Eph receptor A3	Antxr1	anthrax toxin receptor 1
Gabra3	gamma-aminobutyric acid (GABA) A r	Bai1	brain-specific angiogenesis inh
Npr3	natriuretic peptide receptor 3	Cd200r2	Cd200 receptor 2; CD200 recep
Nr2f1	nuclear receptor subfamily 2, group F	Celsr1	cadherin, EGF LAG seven-pass
Slitrk2	SLIT and NTRK-like family, member 2	Edaradd	EDAR (ectodysplasin-A recepto
		Ednra	endothelin receptor type A
		Epha3	Eph receptor A3
		Ephb4	Eph receptor B4
		ErbB2	v-erb-b2 erythroblastic leukem
		ErbB3	v-erb-b2 erythroblastic leukem
		F2r	coagulation factor II (thrombin
		Fkbp4	FK506 binding protein 4
		Fzd2	frizzled homolog 2 (Drosophila
		Fzd7	frizzled homolog 7 (Drosophila
		Gabra3	gamma-aminobutyric acid (GA
		Gabra4	gamma-aminobutyric acid (GA
		Gfra3	glial cell line derived neurotrop
		Git1	G protein-coupled receptor kir
		Gpr124	G protein-coupled receptor 12
		Gpr125	G protein-coupled receptor 12
		Gpr4	G protein-coupled receptor 4
		Gprc5b	G protein-coupled receptor, fa
		Gprc5c	G protein-coupled receptor, fa
		Grb10	growth factor receptor bound
		Grk6	G protein-coupled receptor kir
		Hmmr	hyaluronan mediated motility
		Hyal2	hyaluronoglucosaminidase 2
		Ifnar2	interferon (alpha and beta) rec
		Ifngr1	interferon gamma receptor 1
		Igf2r	insulin-like growth factor 2 rec
		Il1rap	interleukin 1 receptor accesso
		Il1rl2	interleukin 1 receptor-like 2
		Itga4	integrin alpha 4
		Itga5	integrin alpha 5 (fibronectin re
		Itga6	integrin alpha 6

		Itga9	integrin alpha 9
		Itgav	integrin alpha V
		Itgb5	integrin beta 5
		Itpr1	inositol 1,4,5-triphosphate receptor
		Jmjd6	jumonji domain containing 6
		Klra5	killer cell lectin-like receptor, subfamily A, member 5
		Lbr	lamin B receptor
		Lpar3	lysophosphatidic acid receptor 3
		Lphn2	latrophilin 2
		Lrp4	low density lipoprotein receptor-related protein 4
		Lrp5	low density lipoprotein receptor-related protein 5
		Ly75	lymphocyte antigen 75
		M6pr	mannose-6-phosphate receptor 1
		Mertk	c-met proto-oncogene tyrosine kinase
		Mrgprb2	MAS-related GPR, member B2
		Notch2	Notch gene homolog 2 (Drosophila)
		Notch3	Notch gene homolog 3 (Drosophila)
		Npr3	natriuretic peptide receptor 3
		Nr2f1	nuclear receptor subfamily 2, group 1, member 1
		Nr2f2	similar to COUP-TFI; nuclear receptor subfamily 2, group 2, member 2
		Nr2f6	nuclear receptor subfamily 2, group 2, member 6
		Nrip1	nuclear receptor interacting protein 1
		Nrp1	neuropilin 1
		Ogfr	opioid growth factor receptor
		Olfr1134	olfactory receptor 1134
		Olfr121	olfactory receptor 121
		Olfr908	olfactory receptor 908
		Opn3	opsin 3
		Pdgfra	platelet derived growth factor receptor alpha
		Phb2	prohibitin 2
		Plaur	plasminogen activator, urokinase-type
		Plxna1	plexin A1
		Ptch1	patched homolog 1
		Ptk7	PTK7 protein tyrosine kinase 7
		Ptpn1	protein tyrosine phosphatase, non-receptor type 1
		Ptprk	protein tyrosine phosphatase, non-receptor type 11
		Rara	retinoic acid receptor, alpha
		Ret	ret proto-oncogene
		Rhbdf1	rhomboid family 1 (Drosophila)
		Rnf135	ring finger protein 135
		Robo1	roundabout homolog 1 (Drosophila)
		Rpsa	
		Rpsa	
		Rtn4rl1	reticulon 4 receptor-like 1
		Rxra	retinoid X receptor alpha; similar to RXR
		Rxrg	retinoid X receptor gamma

		Ryk	receptor-like tyrosine kinase
		Scarb1	scavenger receptor class B, me
		Sigmar1	sigma non-opioid intracellular
		Slc20a2	hypothetical protein LOC10004
		Slitrk2	SLIT and NTRK-like family, me
		Smo	predicted gene 4066; smoothe
		Sra1	steroid receptor RNA activator
		Srprb	signal recognition particle rece
		Strap	serine/threonine kinase recept
		Tmem123	transmembrane protein 123
		Tnfrsf19	tumor necrosis factor receptor
		Tomm22	predicted gene 12906; predicte
		Traf4	TNF receptor associated factor
		Traf6	TNF receptor-associated factor
		Trip13	thyroid hormone receptor inte
		Trip6	thyroid hormone receptor inte

SoxE15 vs WntE15		SoxE15 Vs SoxE11	
S15vsW15	Fold Change >1.2	S15vsS11	Fold Change >1.2
Antxr1	anthrax toxin receptor 1	Abcc9	ATP-binding cassette, sub-fam
Arntl	aryl hydrocarbon receptor nuclear tra	Acvr1	activin A receptor, type 1
C3ar1	complement component 3a receptor	Adam22	a disintegrin and metalloptic
Eda2r	ectodysplasin A2 isoform receptor	Adcyap1r1	adenylate cyclase activating po
Epha2	Eph receptor A2	Agtr1a	angiotensin II receptor, type 1a
Epha4	Eph receptor A4	Ahr	aryl-hydrocarbon receptor
Epha7	Eph receptor A7	Amfr	autocrine motility factor recep
ErbB3	v-erb-b2 erythroblastic leukemia viral	Arntl	aryl hydrocarbon receptor nuc
Fzd4	frizzled homolog 4 (Drosophila)	Atnr	attractin
Fzd6	frizzled homolog 6 (Drosophila)	Avpr1a	arginine vasopressin receptor
Fzd7	frizzled homolog 7 (Drosophila)	Bai2	brain-specific angiogenesis inh
Gab1	growth factor receptor bound proteir	Bai3	brain-specific angiogenesis inh
Gabra4	gamma-aminobutyric acid (GABA) A r	Bmpr2	bone morphogenic protein rec
Gfra1	glial cell line derived neurotrophic fac	Calcrl	calcitonin receptor-like
Gpr124	G protein-coupled receptor 124	Cd36	CD36 antigen
Gpr125	G protein-coupled receptor 125	Celsr3	cadherin, EGF LAG seven-pass
Gpr126	G protein-coupled receptor 126	Chrna3	cholinergic receptor, nicotinic,
Gprc5b	G protein-coupled receptor, family C,	Chrna5	cholinergic receptor, nicotinic,
Grb10	growth factor receptor bound proteir	Chrna7	cholinergic receptor, nicotinic,
Grik3	glutamate receptor, ionotropic, kaini	ChrnB2	cholinergic receptor, nicotinic,
Hmnr	hyaluronan mediated motility recepto	ChrnB4	cholinergic receptor, nicotinic,
Igf2r	insulin-like growth factor 2 receptor	Clec2d	C-type lectin domain family 2,
Il1rap	interleukin 1 receptor accessory prote	Cxcr4	chemokine (C-X-C motif) recep
Il1rl2	interleukin 1 receptor-like 2	Dner	delta/notch-like EGF-related re
Irs1	insulin receptor substrate 1	Ednrb	endothelin receptor type B
Itga2	integrin alpha 2	Epha2	Eph receptor A2
Itga6	integrin alpha 6	Epha4	Eph receptor A4

Itgav	integrin alpha V	Epha5	Eph receptor A5
Itgb5	integrin beta 5	Epha6	Eph receptor A6
Kdr	kinase insert domain protein receptor	Epha7	Eph receptor A7
Lphn2	latrophilin 2	Ephb1	Eph receptor B1
Mertk	c-mer proto-oncogene tyrosine kinase	Esrrg	estrogen-related receptor gamma
Mrc1	mannose receptor, C type 1	Fcgrt	Fc receptor, IgG, alpha chain tr
Notch2	Notch gene homolog 2 (Drosophila)	Fzd6	frizzled homolog 6 (Drosophila
Nr2f1	nuclear receptor subfamily 2, group F	Gabbr1	gamma-aminobutyric acid (GA
Nr2f2	similar to COUP-TFI; nuclear receptor	Gabra4	gamma-aminobutyric acid (GA
Nr4a1	nuclear receptor subfamily 4, group A	Gabrb3	gamma-aminobutyric acid (GA
Ogfr	opioid growth factor receptor	Gabrg2	gamma-aminobutyric acid (GA
Olf1318	olfactory receptor 1318	Gpr126	G protein-coupled receptor 12
Olf908	olfactory receptor 908	Gpr155	G protein-coupled receptor 15
P2rx7	purinergic receptor P2X, ligand-gated	Gpr173	G-protein coupled receptor 17
Phb2	prohibitin 2	Gpr22	G protein-coupled receptor 22
Ptgfrn	prostaglandin F2 receptor negative re	Gpr37l1	G protein-coupled receptor 37
Ptk7	PTK7 protein tyrosine kinase 7	Gpr39	G protein-coupled receptor 39
Robo1	roundabout homolog 1 (Drosophila)	Gpr56	G protein-coupled receptor 56
Ror1	receptor tyrosine kinase-like orphan r	Gpr64	G protein-coupled receptor 64
Rpsa	predicted gene 9323; predicted gene	Gpr98	G protein-coupled receptor 98
Ryk	receptor-like tyrosine kinase	Grb14	growth factor receptor bound
Slitrk2	SLIT and NTRK-like family, member 2	Gria2	glutamate receptor, ionotropic
Srprb	signal recognition particle receptor, B	Gria3	glutamate receptor, ionotropic
Stab2	similar to FEX2; stabilin 2	Gria4	glutamate receptor, ionotropic
Tmem123	transmembrane protein 123	Grik1	glutamate receptor, ionotropic
Tnfrsf10b	tumor necrosis factor receptor super	Grik2	glutamate receptor, ionotropic
Tnfrsf12a	tumor necrosis factor receptor super	Grik3	glutamate receptor, ionotropic
Tnfrsf19	tumor necrosis factor receptor super	Grin1	glutamate receptor, ionotropic
Trip13	thyroid hormone receptor interactor	Grin2b	glutamate receptor, ionotropic
		Grm7	glutamate receptor, metabotro
		Grm8	glutamate receptor, metabotro
		Htr2b	5-hydroxytryptamine (seroni
		Htr3a	5-hydroxytryptamine (seroni
		Htr4	5 hydroxytryptamine (seroni
		Ifngr2	interferon gamma receptor 2
		Il13ra1	interleukin 13 receptor, alpha
		Il17rd	interleukin 17 receptor D
		Il1rapl1	interleukin 1 receptor accesso
		Il6st	interleukin 6 signal transducer
		Irs1	insulin receptor substrate 1
		Itga1	integrin alpha 1
		Itga2	integrin alpha 2
		Itgb3	integrin beta 3
		Lgr5	leucine rich repeat containing
		Lifr	leukemia inhibitory factor rece
		Lphn1	latrophilin 1

	Lphn2	latrophilin 2
	Lrp11	low density lipoprotein receptor
	Mfsd6	major facilitator superfamily d
	Mmd2	monocyte to macrophage diffe
	Notch2	Notch gene homolog 2 (Droso
	Npr2	natriuretic peptide receptor 2
	Npy1r	neuropeptide Y receptor Y1
	Npy2r	neuropeptide Y receptor Y2
	Nr1d2	nuclear receptor subfamily 1, g
	Nr1h4	nuclear receptor subfamily 1, g
	Nr2c2	nuclear receptor subfamily 2, g
	Nr3c1	nuclear receptor subfamily 3, g
	Nr4a1	nuclear receptor subfamily 4, g
	Nr4a2	nuclear receptor subfamily 4, g
	Olfr1316	olfactory receptor 1316
	Olfr1318	olfactory receptor 1318
	Olfr1402	olfactory receptor 1402
	P2rx7	purinergic receptor P2X, ligand
	P2ry1	purinergic receptor P2Y, G-pro
	Paqr8	progesterone and adipoQ receptor
	Pcdha10	
	Plxna2	plexin A2
	Plxna3	plexin A3
	Plxnb1	plexin B1
	Plxnb3	plexin B3
	Ptger4	prostaglandin E receptor 4 (sub
	Ptpn3	protein tyrosine phosphatase,
	Ptprj	protein tyrosine phosphatase,
	Ptprn2	protein tyrosine phosphatase,
	Ptprp	protein tyrosine phosphatase,
	Ptprs	protein tyrosine phosphatase,
	Ptprz1	protein tyrosine phosphatase,
	Ramp1	receptor (calcitonin) activity m
	Rarb	retinoic acid receptor, beta
	Robo2	roundabout homolog 2 (Droso
	Rora	RAR-related orphan receptor a
	Rorc	RAR-related orphan receptor g
	Ryr2	ryanodine receptor 2, cardiac
	S1pr3	sphingosine-1-phosphate rece
	Slc22a17	solute carrier family 22 (organi
	Slitrk1	SLIT and NTRK-like family, mem
	Slitrk2	SLIT and NTRK-like family, mem
	Slitrk3	SLIT and NTRK-like family, mem
	Sorl1	similar to sortilin-related recep
	Sort1	sortilin 1
	Sv2a	synaptic vesicle glycoprotein 2

		Sv2b	synaptic vesicle glycoprotein 2
		Sv2c	synaptic vesicle glycoprotein 2
		Tacr3	tachykinin receptor 3
		Tas2r143	taste receptor, type 2, membe
		Thra	thyroid hormone receptor alph
		Tnfrsf12a	tumor necrosis factor receptor
		Traf5	TNF receptor-associated factor
		Trpc1	transient receptor potential ca
		Trpc6	transient receptor potential ca
		Trpm3	transient receptor potential ca
		Trpv3	transient receptor potential ca
		Unc5d	unc-5 homolog D (C. elegans)
		Vldlr	very low density lipoprotein re
		Xpr1	xenotropic and polytropic retro
Wnt15 vs Sox15		Wnt15 vs Wnt11	
W15vsS15	Fold Change >1.2	W15vsW11	Fold Change >1.2
Adam22	a disintegrin and metallopeptidase dc	Abcc9	ATP-binding cassette, sub-fam
Adra2a	adrenergic receptor, alpha 2a	Acvr2a	activin receptor IIA
Alk	anaplastic lymphoma kinase	Adam22	a disintegrin and metallopeptic
Avpr1a	arginine vasopressin receptor 1A	Adcyap1r1	adenylate cyclase activating po
Bai3	brain-specific angiogenesis inhibitor 3	Adra2a	adrenergic receptor, alpha 2a
Bmpr1b	bone morphogenetic protein recepto	Agtr1a	angiotensin II receptor, type 1a
Calcrl	calcitonin receptor-like	Ahr	aryl-hydrocarbon receptor
Celsr3	cadherin, EGF LAG seven-pass G-type	Amfr	autocrine motility factor recep
Chrna3	cholinergic receptor, nicotinic, alpha	Ar	androgen receptor
Chrna5	cholinergic receptor, nicotinic, alpha	Atp6ap2	ATPase, H+ transporting, lysos
Cnr1	cannabinoid receptor 1 (brain)	Atrn	attractin
Cxadr	coxsackie virus and adenovirus recep	Avpr1a	arginine vasopressin receptor
Cxcr4	chemokine (C-X-C motif) receptor 4	Bai2	brain-specific angiogenesis inh
Cxcr7	chemokine (C-X-C motif) receptor 7	Bai3	brain-specific angiogenesis inh
Darc	Duffy blood group, chemokine recept	Bmpr1b	bone morphogenetic protein r
Dcc	deleted in colorectal carcinoma	Bmpr2	bone morphogenic protein rec
Dner	delta/notch-like EGF-related receptor	Calcrl	calcitonin receptor-like
Epha5	Eph receptor A5	Celsr3	cadherin, EGF LAG seven-pass
Epha6	Eph receptor A6	Chrm2	cholinergic receptor, muscarin
Gabbr1	gamma-aminobutyric acid (GABA) B r	Chrna3	cholinergic receptor, nicotinic,
Gabra3	gamma-aminobutyric acid (GABA) A r	Chrna5	cholinergic receptor, nicotinic,
Gabrb3	gamma-aminobutyric acid (GABA) A r	Chrna7	cholinergic receptor, nicotinic,
Gabrg2	gamma-aminobutyric acid (GABA) A r	Chrnbl	cholinergic receptor, nicotinic,
Galr2	galanin receptor 2	Chrnbl	cholinergic receptor, nicotinic,
Gfra2	glial cell line derived neurotrophic fac	Chrnbl	cholinergic receptor, nicotinic,
Glp1r	glucagon-like peptide 1 receptor; sim	Cnr1	cannabinoid receptor 1 (brain)
Gpr155	G protein-coupled receptor 155	Csf2ra	colony stimulating factor 2 rec
Gpr158	G protein-coupled receptor 158	Cxadr	coxsackie virus and adenovirus
Gpr64	G protein-coupled receptor 64	Cxcr4	chemokine (C-X-C motif) recep

Gpr85	G protein-coupled receptor 85	Cxcr7	chemokine (C-X-C motif) recep
Gria1	glutamate receptor, ionotropic, AMPA	Darc	Duffy blood group, chemokine
Gria2	glutamate receptor, ionotropic, AMPA	Dner	delta/notch-like EGF-related re
Grik1	glutamate receptor, ionotropic, kainate	Dpp4	dipeptidylpeptidase 4
Grin1	glutamate receptor, ionotropic, NMDA	Ednrb	endothelin receptor type B
Grm7	glutamate receptor, metabotropic 7	Epha4	Eph receptor A4
Htr1d	5-hydroxytryptamine (serotonin) rece	Epha5	Eph receptor A5
Htr2b	5-hydroxytryptamine (serotonin) rece	Epha6	Eph receptor A6
Htr3b	5-hydroxytryptamine (serotonin) rece	Ephb1	Eph receptor B1
Htr4	5 hydroxytryptamine (serotonin) rece	Esrrg	estrogen-related receptor gam
Il13ra1	interleukin 13 receptor, alpha 1	Ffar3	free fatty acid receptor 3
Itga3	integrin alpha 3	Gab2	growth factor receptor bound
Lcor	ligand dependent nuclear receptor co	Gabbr1	gamma-aminobutyric acid (GA
Lpar4	lysophosphatidic acid receptor 4	Gabrb2	gamma-aminobutyric acid (GA
Lrp11	low density lipoprotein receptor-relat	Gabrb3	gamma-aminobutyric acid (GA
Lrp1b	low density lipoprotein-related prote	Gabrg2	gamma-aminobutyric acid (GA
Ltk	leukocyte tyrosine kinase	Galr1	galanin receptor 1
Npr2	natriuretic peptide receptor 2	Gfra2	glial cell line derived neurotrop
Npy1r	neuropeptide Y receptor Y1	Glp1r	glucagon-like peptide 1 recept
Npy2r	neuropeptide Y receptor Y2	Gpr126	G protein-coupled receptor 12
Nrp2	neuropilin 2	Gpr128	G protein-coupled receptor 12
Ntrk3	neurotrophic tyrosine kinase, recepto	Gpr137c	G protein-coupled receptor 13
Olf1382	olfactory receptor 1382	Gpr155	G protein-coupled receptor 15
Olf191	olfactory receptor 191	Gpr158	G protein-coupled receptor 15
Olf264	olfactory receptor 264; olfactory rece	Gpr165	G protein-coupled receptor 16
Oprm1	opioid receptor, mu 1	Gpr173	G-protein coupled receptor 17
Pcdha10	similar to protocadherin; protocadhe	Gpr176	G protein-coupled receptor 17
Pgr	progesterone receptor	Gpr22	G protein-coupled receptor 22
Plxna3	plexin A3	Gpr56	G protein-coupled receptor 56
Plxna4	plexin A4	Gpr64	G protein-coupled receptor 64
Plxnc1	plexin C1; similar to plexin C1	Gpr75	G protein-coupled receptor 75
Prokr1	prokineticin receptor 1	Gpr85	G protein-coupled receptor 85
Pth2r	parathyroid hormone 2 receptor	Gpr98	G protein-coupled receptor 98
Ptprg	protein tyrosine phosphatase, recept	Grb14	growth factor receptor bound
Ptprn	protein tyrosine phosphatase, recept	Gria1	glutamate receptor, ionotropic
Ptprn2	protein tyrosine phosphatase, recept	Gria2	glutamate receptor, ionotropic
Ptpro	protein tyrosine phosphatase, non-re	Gria3	glutamate receptor, ionotropic
Ptpr	protein tyrosine phosphatase, recept	Gria4	glutamate receptor, ionotropic
Ramp1	receptor (calcitonin) activity modifyin	Grid1	glutamate receptor, ionotropic
Robo2	roundabout homolog 2 (Drosophila)	Grik1	glutamate receptor, ionotropic
Ryr2	ryanodine receptor 2, cardiac	Grik2	glutamate receptor, ionotropic
Ryr3	ryanodine receptor 3	Grik4	glutamate receptor, ionotropic
Slitrk3	SLIT and NTRK-like family, member 3	Grin1	glutamate receptor, ionotropic
Sorl1	similar to sortilin-related receptor, LD	Grin2b	glutamate receptor, ionotropic
Sv2a	synaptic vesicle glycoprotein 2 a	Grm1	similar to metabotropic glutam
Sv2c	synaptic vesicle glycoprotein 2c	Grm7	glutamate receptor, metabotro

Taar1	trace amine-associated receptor 1	Htr1d	5-hydroxytryptamine (seroton
Thra	thyroid hormone receptor alpha; simi	Htr2b	5-hydroxytryptamine (seroton
Tnfrsf18	tumor necrosis factor receptor super	Htr3a	5-hydroxytryptamine (seroton
Trpc4	transient receptor potential cation ch	Htr3b	5-hydroxytryptamine (seroton
Trpc6	transient receptor potential cation ch	Htr4	5 hydroxytryptamine (serotoni
Tyro3	similar to Rse; TYRO3 protein tyrosine	lfngr2	interferon gamma receptor 2
Unc5c	unc-5 homolog C (C. elegans)	Il13ra1	interleukin 13 receptor, alpha
Unc5d	unc-5 homolog D (C. elegans)	Il17rd	interleukin 17 receptor D
Vldlr	very low density lipoprotein receptor	Il1rapl1	interleukin 1 receptor accesso
Vmn2r29	vomer nasal 2, receptor, pseudogene	Il1rapl2	interleukin 1 receptor accesso
Xpr1	xenotropic and polytropic retrovirus r	Il4ra	interleukin 4 receptor, alpha
		Insr	insulin receptor
		Itga1	integrin alpha 1
		Itga2	integrin alpha 2
		Itga3	integrin alpha 3
		Itgb3	integrin beta 3
		Kit	kit oncogene
		Lcor	ligand dependent nuclear rece
		Lgr5	leucine rich repeat containing
		Lmbr1	limb region 1
		Lpar4	lysophosphatidic acid receptor
		Lphn1	latrophilin 1
		Lphn2	latrophilin 2
		Lphn3	latrophilin 3
		Lrp11	low density lipoprotein recepto
		Lrp1b	low density lipoprotein-related
		Ltk	leukocyte tyrosine kinase
		Mfsd6	major facilitator superfamily d
		Mmd2	monocyte to macrophage diffe
		Mrgprg	MAS-related GPR, member G
		Mst1r	macrophage stimulating 1 rece
		Ncor1	nuclear receptor co-repressor
		Npr2	natriuretic peptide receptor 2
		Npy1r	neuropeptide Y receptor Y1
		Npy2r	neuropeptide Y receptor Y2
		Nr1d2	nuclear receptor subfamily 1, g
		Nr2c2	nuclear receptor subfamily 2, g
		Nr3c1	nuclear receptor subfamily 3, g
		Nr4a1	nuclear receptor subfamily 4, g
		Nr6a1	nuclear receptor subfamily 6, g
		Nrp2	neuropilin 2
		Ntrk3	neurotrophic tyrosine kinase, r
		Olfr1042	olfactory receptor 1042
		Olfr1043	olfactory receptor 1043
		Olfr1138	olfactory receptor 1138
		Olfr1361	olfactory receptor 1361

		Olfr159	olfactory receptor 159
		Olfr288	olfactory receptor 288; olfacto
		Olfr78	olfactory receptor 78
		Olfr938	olfactory receptor 938
		Oprl1	opioid receptor-like 1
		Oprm1	opioid receptor, mu 1
		P2rx7	purinergic receptor P2X, ligand
		P2ry6	pyrimidinergic receptor P2Y, G
		Paqr8	progesterin and adipoQ receptor
		Pcdha10	
		Pgr	progesterone receptor
		Plxna2	plexin A2
		Plxna3	plexin A3
		Plxnb3	plexin B3
		Plxnc1	plexin C1; similar to plexin C1
		Prokr1	prokineticin receptor 1
		Ptger3	prostaglandin E receptor 3 (sub
		Ptger4	prostaglandin E receptor 4 (sub
		Ptgir	prostaglandin I receptor (IP)
		Ptpn3	protein tyrosine phosphatase,
		Ptprb	protein tyrosine phosphatase,
		Ptprg	protein tyrosine phosphatase,
		Ptprj	protein tyrosine phosphatase,
		Ptprn	protein tyrosine phosphatase,
		Ptprn2	protein tyrosine phosphatase,
		Ptpro	protein tyrosine phosphatase,
		Ptprp	protein tyrosine phosphatase,
		Ptprs	protein tyrosine phosphatase,
		Ptprt	protein tyrosine phosphatase,
		Ptprz1	protein tyrosine phosphatase,
		Ramp1	receptor (calcitonin) activity m
		Rarb	retinoic acid receptor, beta
		Reep5	receptor accessory protein 5
		Robo2	roundabout homolog 2 (Droso
		Rora	RAR-related orphan receptor a
		Rorc	RAR-related orphan receptor g
		Ryr2	ryanodine receptor 2, cardiac
		Ryr3	ryanodine receptor 3
		Sctr	secretin receptor; similar to Sc
		Slitrk1	SLIT and NTRK-like family, mem
		Slitrk3	SLIT and NTRK-like family, mem
		Sorl1	similar to sortilin-related recep
		Sstr4	somatostatin receptor 4
		Sv2a	synaptic vesicle glycoprotein 2
		Sv2b	synaptic vesicle glycoprotein 2
		Sv2c	synaptic vesicle glycoprotein 2

		Taar1	trace amine-associated receptor
		Tacr3	tachykinin receptor 3
		Tas2r143	taste receptor, type 2, member 143
		Thra	thyroid hormone receptor alpha
		Tnfrsf21	tumor necrosis factor receptor superfamily member 21
		Tnfsf18	tumor necrosis factor (ligand) superfamily member 18
		Trem2	triggering receptor expressed on myeloid cells 2
		Trpc1	transient receptor potential canonical 1
		Trpc4	transient receptor potential canonical 4
		Trpc6	transient receptor potential canonical 6
		Trpc7	transient receptor potential canonical 7
		Trpm3	transient receptor potential canonical 3
		Tyro3	similar to Rse; TYRO3 protein tyrosine kinase
		Unc5a	unc-5 homolog A (C. elegans)
		Unc5d	unc-5 homolog D (C. elegans)
		Vldlr	very low density lipoprotein receptor
		Vmn2r29	vomerin 2, receptor 29
		Vmn2r81	vomerin 2, receptor 81; vomeronasal receptor 81
		Xpr1	xenotropic and polytropic retrovirus receptor 1
SoxE11vsCtrlE11		SoxE15vsCtrlE15	
S11vsC11	Fold Change >1.2	S15vsC15	Fold Change >1.2
Acvr1	activin A receptor, type 1	Acvr1b	activin A receptor, type 1B
Adam22	a disintegrin and metalloproteinase domain containing 22	Acvr2a	activin receptor IIA
Adcyap1r1	adenylate cyclase activating polypeptide 1 receptor 1	Adam22	a disintegrin and metalloproteinase domain containing 22
Agtr2	angiotensin II receptor, type 2	Adcyap1r1	adenylate cyclase activating polypeptide 1 receptor 1
Ahr	aryl-hydrocarbon receptor	Agtr1a	angiotensin II receptor, type 1a
Alk	anaplastic lymphoma kinase	Alk	anaplastic lymphoma kinase
Arntl	aryl hydrocarbon receptor nuclear translocator	Arntl	aryl hydrocarbon receptor nuclear translocator
Bai1	brain-specific angiogenesis inhibitor 1	Atrn	attractin
Bai3	brain-specific angiogenesis inhibitor 3	Bai3	brain-specific angiogenesis inhibitor 3
Celsr2	cadherin, EGF LAG seven-pass G-type 2	Celsr2	cadherin, EGF LAG seven-pass G-type 2
Celsr3	cadherin, EGF LAG seven-pass G-type 3	Celsr3	cadherin, EGF LAG seven-pass G-type 3
Chrna3	cholinergic receptor, nicotinic, alpha 3	Chrna3	cholinergic receptor, nicotinic, alpha 3
Chrna4	cholinergic receptor, nicotinic, alpha 4	Chrna4	cholinergic receptor, nicotinic, alpha 4
Chrna5	cholinergic receptor, nicotinic, alpha 5	Chrna5	cholinergic receptor, nicotinic, alpha 5
Chrn2	cholinergic receptor, nicotinic, beta 2	Chrna6	cholinergic receptor, nicotinic, alpha 6
Chrn4	cholinergic receptor, nicotinic, beta 4	Chrna7	cholinergic receptor, nicotinic, alpha 7
Cnr1	cannabinoid receptor 1 (brain)	Chrn2	cholinergic receptor, nicotinic, beta 2
Dcc	deleted in colorectal carcinoma	Chrn4	cholinergic receptor, nicotinic, beta 4
Dear1	dual endothelin 1/angiotensin II receptor type 1	Cnr1	cannabinoid receptor 1 (brain)
Eda2r	ectodysplasin A2 isoform receptor	Darc	Duffy blood group, chemokine receptor 1
Ednrb	endothelin receptor type B	Dcc	deleted in colorectal carcinoma
Epha3	Eph receptor A3	Dear1	dual endothelin 1/angiotensin II receptor type 1
Ephb2	Eph receptor B2	Dgcr2	DiGeorge syndrome critical region 2
ErbB3	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3	Dner	delta/notch-like EGF-related receptor 1

Fkbp4	FK506 binding protein 4	Eda2r	ectodysplasin A2 isoform receptor
Fzd3	frizzled homolog 3 (Drosophila)	Ednrb	endothelin receptor type B
Gab1	growth factor receptor bound protein	Epha10	Eph receptor A10
Gab2	growth factor receptor bound protein	Epha6	Eph receptor A6
Gabrb3	gamma-aminobutyric acid (GABA) A receptor	ErbB3	v-erb-b2 erythroblastic leukemia
Gabrg2	gamma-aminobutyric acid (GABA) A receptor	Ffar3	free fatty acid receptor 3
Gfra1	glial cell line derived neurotrophic factor	Fkbp4	FK506 binding protein 4
Gfra2	glial cell line derived neurotrophic factor	Fzd3	frizzled homolog 3 (Drosophila)
Gfra3	glial cell line derived neurotrophic factor	Fzd6	frizzled homolog 6 (Drosophila)
Git1	G protein-coupled receptor kinase-interacting protein	Gab1	growth factor receptor bound protein
Gpr125	G protein-coupled receptor 125	Gab2	growth factor receptor bound protein
Gpr126	G protein-coupled receptor 126	Gabra6	gamma-aminobutyric acid (GABA) A receptor
Gpr17	G protein-coupled receptor 17	Gabrb3	gamma-aminobutyric acid (GABA) A receptor
Gpr19	G protein-coupled receptor 19	Gabrg2	gamma-aminobutyric acid (GABA) A receptor
Gprc5b	G protein-coupled receptor, family C, member 5b	Gfra1	glial cell line derived neurotrophic factor
Grb10	growth factor receptor bound protein	Gfra2	glial cell line derived neurotrophic factor
Gria2	glutamate receptor, ionotropic, AMPA receptor 2	Gfra3	glial cell line derived neurotrophic factor
Gria4	glutamate receptor, ionotropic, AMPA receptor 4	Git1	G protein-coupled receptor kinase-interacting protein
Grik2	glutamate receptor, ionotropic, kainate receptor 2	Gpr125	G protein-coupled receptor 125
Grik3	glutamate receptor, ionotropic, kainate receptor 3	Gpr126	G protein-coupled receptor 126
Htr3b	5-hydroxytryptamine (serotonin) receptor 3b	Gpr137c	G protein-coupled receptor 137c
Igf1r	insulin-like growth factor I receptor	Gpr155	G protein-coupled receptor 155
Igsf11	immunoglobulin superfamily, member 11	Gpr158	G protein-coupled receptor 158
Il1rap	interleukin 1 receptor accessory protein	Gpr17	G protein-coupled receptor 17
Il1rl2	interleukin 1 receptor-like 2	Gpr173	G-protein coupled receptor 173
Itga4	integrin alpha 4	Gpr19	G protein-coupled receptor 19
Itga6	integrin alpha 6	Gpr22	G protein-coupled receptor 22
Jmjd6	jumonji domain containing 6	Gpr37l1	G protein-coupled receptor 37l1
Ldlrad3	low density lipoprotein receptor class B member 3	Gpr56	G protein-coupled receptor 56
Lpar3	lysophosphatidic acid receptor 3	Gpr75	G protein-coupled receptor 75
Lrp11	low density lipoprotein receptor-related protein 11	Gpr85	G protein-coupled receptor 85
Lrp5	low density lipoprotein receptor-related protein 5	Gpr98	G protein-coupled receptor 98
Mfsd6	major facilitator superfamily domain containing 6	Gprc5b	G protein-coupled receptor, family C, member 5b
Ngfr	nerve growth factor receptor (TNFR superfamily)	Gria2	glutamate receptor, ionotropic, AMPA receptor 2
Notch1	Notch gene homolog 1 (Drosophila)	Gria4	glutamate receptor, ionotropic, AMPA receptor 4
Notch2	Notch gene homolog 2 (Drosophila)	Grid2	glutamate receptor, ionotropic, DHP receptor 2
Nr2c2ap	nuclear receptor 2C2-associated protein	Grik2	glutamate receptor, ionotropic, kainate receptor 2
Nr4a1	nuclear receptor subfamily 4, group A, member 1	Grik3	glutamate receptor, ionotropic, kainate receptor 3
Nrp1	neuropilin 1	Grik5	glutamate receptor, ionotropic, kainate receptor 5
Olf1043	olfactory receptor 1043	Grin1	glutamate receptor, ionotropic, NMDA receptor 1
Olf1382	olfactory receptor 1382	Grin2b	glutamate receptor, ionotropic, NMDA receptor 2b
P2rx4	purinergic receptor P2X, ligand-gated ion channel 4	Grif1	glucocorticoid receptor DNA binding domain
Phb2	prohibitin 2	Grm1	similar to metabotropic glutamate receptor 1
Plxna4	plexin A4	H2-Ke2	H2-K region expressed gene 2
Ptpn1	protein tyrosine phosphatase, non-receptor type 1	Hrh3	histamine receptor H3
Ptpn9	protein tyrosine phosphatase, non-receptor type 9	Htr2b	5-hydroxytryptamine (serotonin) receptor 2b

Ptprg	protein tyrosine phosphatase, receptor type 13	Htr3a	5-hydroxytryptamine (serotonin) receptor 3A
Ptprj	protein tyrosine phosphatase, receptor type 12	Htr3b	5-hydroxytryptamine (serotonin) receptor 3B
Ptprm	protein tyrosine phosphatase, receptor type 11	Htr4	5 hydroxytryptamine (serotonin) receptor 4
Ptprn	protein tyrosine phosphatase, receptor type 10	Igf1r	insulin-like growth factor I receptor
Ptprn2	protein tyrosine phosphatase, receptor type 9	Igsf11	immunoglobulin superfamily, member 11
Ptpro	protein tyrosine phosphatase, non-receptor type 6	Il17rd	interleukin 17 receptor D
Ptprz1	protein tyrosine phosphatase, receptor type 8	Il1rap	interleukin 1 receptor accessory protein
Ramp3	receptor (calcitonin) activity modifying factor 3	Insr	insulin receptor
Rara	retinoic acid receptor, alpha	Irs1	insulin receptor substrate 1
Rarb	retinoic acid receptor, beta	Itga2	integrin alpha 2
Ret	ret proto-oncogene	Itga6	integrin alpha 6
Rhbdf1	rhomboid family 1 (Drosophila)	Lcor	ligand dependent nuclear receptor corepressor
Rpsa	predicted gene 9323; predicted gene 9324	Lpar3	lysophosphatidic acid receptor 3
Rtn4rl1	reticulon 4 receptor-like 1	Lrp11	low density lipoprotein receptor-related protein 11
Scarb1	scavenger receptor class B, member 1	Lrp12	low density lipoprotein-related protein 12
Scarb2	scavenger receptor class B, member 2	Lrp8	low density lipoprotein receptor-related protein 8
Sigmar1	sigma non-opioid intracellular receptor 1	Lsr	lipolysis stimulated lipoprotein receptor
Slc7a1	solute carrier family 7 (cationic amino acid transporters), member 7	Mfsd6	major facilitator superfamily domain containing 6
Slitrk2	SLIT and NTRK-like family, member 2	Mmd2	monocyte to macrophage differentiation factor 2
Sort1	sortilin 1	Ms4a15	membrane-spanning 4-domain class A subfamily 15 member
Srprb	signal recognition particle receptor, beta	Mtvr2	mammary tumor virus receptor 2
Strap	serine/threonine kinase receptor associated protein	Neto2	neuropilin (NRP) and tolloid (Tolloid) domain containing 2
Sv2c	synaptic vesicle glycoprotein 2c	Ngfr	nerve growth factor receptor (low molecular weight)
Tlr3	toll-like receptor 3	Notch1	Notch gene homolog 1 (Drosophila)
Tmem123	transmembrane protein 123	Npc1	Niemann Pick type C1
Tnfrsf21	tumor necrosis factor receptor superfamily member 21	Npy2r	neuropeptide Y receptor Y2
Traf4	TNF receptor associated factor 4	Nr1d2	nuclear receptor subfamily 1, group 2, member 2
		Nr2c1	nuclear receptor subfamily 2, group 1, member 1
		Nr2c2	nuclear receptor subfamily 2, group 2, member 2
		Nr6a1	nuclear receptor subfamily 6, group 1, member 1
		Olfr1015	olfactory receptor 1015
		Olfr1045	olfactory receptor 1045
		Olfr105	olfactory receptor 105
		Olfr1157	olfactory receptor 1157
		Olfr123	olfactory receptor 123
		Olfr1262	olfactory receptor 1262
		Olfr1318	olfactory receptor 1318
		Olfr1392	olfactory receptor 1392
		Olfr1402	olfactory receptor 1402
		Olfr1416	olfactory receptor 1416
		Olfr161	olfactory receptor 161
		Olfr382	olfactory receptor 382
		Olfr39	olfactory receptor 39
		Olfr420	olfactory receptor 420
		Olfr50	olfactory receptor 50
		Olfr521	olfactory receptor 521

		Olfr63	olfactory receptor 63
		Olfr66	similar to MOR 5beta1; olfacto
		Olfr695	olfactory receptor 695
		Olfr824	olfactory receptor 824
		Olfr914	olfactory receptor 914
		Olfr958	olfactory receptor 958
		Olfr963	olfactory receptor 963
		Opn1mw	opsin 1 (cone pigments), med
		Opn3	opsin 3
		Oprl1	opioid receptor-like 1
		Oprm1	opioid receptor, mu 1
		P2rx3	purinergic receptor P2X, ligand
		P2rx7	purinergic receptor P2X, ligand
		Paqr3	progesterin and adipoQ receptor
		Pcdha10	
		Pgrmc1	progesterone receptor membr
		Phb2	prohibitin 2
		Plxna2	plexin A2
		Plxna3	plexin A3
		Plxna4	plexin A4
		Plxnb1	plexin B1
		Plxnb3	plexin B3
		Pnrc1	proline-rich nuclear receptor c
		Prokr2	prokineticin receptor 2
		Ptpn1	protein tyrosine phosphatase,
		Ptpn12	protein tyrosine phosphatase,
		Ptpn9	protein tyrosine phosphatase,
		Ptprj	protein tyrosine phosphatase,
		Ptprm	protein tyrosine phosphatase,
		Ptprn	protein tyrosine phosphatase,
		Ptprn2	protein tyrosine phosphatase,
		Ptpro	protein tyrosine phosphatase,
		Ptprr	protein tyrosine phosphatase,
		Ptprz1	protein tyrosine phosphatase,
		Ramp3	receptor (calcitonin) activity m
		Rara	retinoic acid receptor, alpha
		Rarb	retinoic acid receptor, beta
		Ret	ret proto-oncogene
		Scarb2	scavenger receptor class B, me
		Slc20a1	solute carrier family 20, memb
		Slc22a17	solute carrier family 22 (organi
		Slitrk1	SLIT and NTRK-like family, mer
		Slitrk2	SLIT and NTRK-like family, mer
		Slitrk3	SLIT and NTRK-like family, mer
		Sort1	sortilin 1
		Sra1	steroid receptor RNA activator

		Sstr1	somatostatin receptor 1
		Sstr2	somatostatin receptor 2
		Stab2	similar to FEX2; stabilin 2
		Strap	serine/threonine kinase recept
		Sv2c	synaptic vesicle glycoprotein 2
		Tacr3	tachykinin receptor 3
		Tgfbrap1	transforming growth factor, be
		Tlr3	toll-like receptor 3
		Tnfrsf21	tumor necrosis factor receptor
		Tnfrsf8	tumor necrosis factor receptor
		Traf4	TNF receptor associated factor
		Trpc7	transient receptor potential ca
		Trpm3	transient receptor potential ca
		Tyro3	similar to Rse; TYRO3 protein t
		Xpr1	xenotropic and polytropic retro
WntE11 vs CtrlE11		WntE15 vs CtrlE15	
W11vsC11	Fold Change >1.2	W15vsC15	Fold Change >1.2
Acvr1	activin A receptor, type 1	Acvr1b	activin A receptor, type 1B
Adcyap1r1	adenylate cyclase activating polypept	Acvr2a	activin receptor IIA
Adrbk1	adrenergic receptor kinase, beta 1	Adam22	a disintegrin and metallopeptic
Agtr2	angiotensin II receptor, type 2	Adcyap1r1	adenylate cyclase activating po
Ahr	aryl-hydrocarbon receptor	Adra2a	adrenergic receptor, alpha 2a
Alk	anaplastic lymphoma kinase	Agtr1a	angiotensin II receptor, type 1a
Arntl	aryl hydrocarbon receptor nuclear tra	Alk	anaplastic lymphoma kinase
Bai1	brain-specific angiogenesis inhibitor 1	Arntl	aryl hydrocarbon receptor nuc
Bai3	brain-specific angiogenesis inhibitor 3	Atrn	attractin
Celsr1	cadherin, EGF LAG seven-pass G-type	Bai3	brain-specific angiogenesis inh
Celsr2	cadherin, EGF LAG seven-pass G-type	Bdkrb2	bradykinin receptor, beta 2
Celsr3	cadherin, EGF LAG seven-pass G-type	Bmpr1b	bone morphogenetic protein r
Chrna3	cholinergic receptor, nicotinic, alpha	Celsr2	cadherin, EGF LAG seven-pass
Chrna4	cholinergic receptor, nicotinic, alpha	Celsr3	cadherin, EGF LAG seven-pass
Chrna5	cholinergic receptor, nicotinic, alpha	Chrna3	cholinergic receptor, nicotinic,
Chrn2	cholinergic receptor, nicotinic, beta p	Chrna4	cholinergic receptor, nicotinic,
Chrn4	cholinergic receptor, nicotinic, beta p	Chrna5	cholinergic receptor, nicotinic,
Cnr1	cannabinoid receptor 1 (brain)	Chrna7	cholinergic receptor, nicotinic,
Dcc	deleted in colorectal carcinoma	Chrn2	cholinergic receptor, nicotinic,
Ddr1	discoidin domain receptor family, me	Chrn4	cholinergic receptor, nicotinic,
Dear1	dual endothelin 1/angiotensin II rece	Cnr1	cannabinoid receptor 1 (brain)
Edaradd	EDAR (ectodysplasin-A receptor)-assoc	Cxcr4	chemokine (C-X-C motif) recep
Ednrb	endothelin receptor type B	Darc	Duffy blood group, chemokine
Epha3	Eph receptor A3	Dcc	deleted in colorectal carcinom
Ephb2	Eph receptor B2	Ddr1	discoidin domain receptor fam
Erbb3	v-erb-b2 erythroblastic leukemia viral	Dear1	dual endothelin 1/angiotensin
Fzd3	frizzled homolog 3 (Drosophila)	Dner	delta/notch-like EGF-related re
Gab1	growth factor receptor bound proteir	Ednrb	endothelin receptor type B

Gab2	growth factor receptor bound protein	Epha10	Eph receptor A10
Gabra3	gamma-aminobutyric acid (GABA) A r	Epha5	Eph receptor A5
Gabrb3	gamma-aminobutyric acid (GABA) A r	Epha6	Eph receptor A6
Gabrg2	gamma-aminobutyric acid (GABA) A r	ErbB3	v-erb-b2 erythroblastic leukemia
Gfra1	glial cell line derived neurotrophic fac	ErbB4	v-erb-a erythroblastic leukemia
Gfra2	glial cell line derived neurotrophic fac	Ffar3	free fatty acid receptor 3
Gfra3	glial cell line derived neurotrophic fac	Fpr-rs3	formyl peptide receptor, relate
Git1	G protein-coupled receptor kinase-int	Fzd3	frizzled homolog 3 (Drosophila
Gpr125	G protein-coupled receptor 125	Gab2	growth factor receptor bound
Gpr126	G protein-coupled receptor 126	Gabbr1	gamma-aminobutyric acid (GA
Gpr17	G protein-coupled receptor 17	Gabrb3	gamma-aminobutyric acid (GA
Gpr19	G protein-coupled receptor 19	Gabrg2	gamma-aminobutyric acid (GA
Gpr37	G protein-coupled receptor 37	Gabbr3	gamma-aminobutyric acid (GA
Gpr39	G protein-coupled receptor 39	Galr1	galanin receptor 1
Gprc5b	G protein-coupled receptor, family C,	Galr2	galanin receptor 2
Grb10	growth factor receptor bound protein	Gfra1	glial cell line derived neurotrop
Gria2	glutamate receptor, ionotropic, AMP,	Gfra2	glial cell line derived neurotrop
Gria4	glutamate receptor, ionotropic, AMP,	Glp1r	glucagon-like peptide 1 recept
Grid2	glutamate receptor, ionotropic, delta	Gpr111	G protein-coupled receptor 11
Grik2	glutamate receptor, ionotropic, kaina	Gpr125	G protein-coupled receptor 12
Grik3	glutamate receptor, ionotropic, kaina	Gpr126	G protein-coupled receptor 12
Grk4	G protein-coupled receptor kinase 4	Gpr135	G protein-coupled receptor 13
Htr3b	5-hydroxytryptamine (serotonin) rece	Gpr137c	G protein-coupled receptor 13
Igf1r	insulin-like growth factor I receptor	Gpr155	G protein-coupled receptor 15
Igsf11	immunoglobulin superfamily, membe	Gpr156	G protein-coupled receptor 15
Il1rap	interleukin 1 receptor accessory prote	Gpr158	G protein-coupled receptor 15
Il1rl2	interleukin 1 receptor-like 2	Gpr165	G protein-coupled receptor 16
Insr	insulin receptor	Gpr17	G protein-coupled receptor 17
Itga4	integrin alpha 4	Gpr173	G-protein coupled receptor 17
Itga6	integrin alpha 6	Gpr19	G protein-coupled receptor 19
Itgav	integrin alpha V	Gpr22	G protein-coupled receptor 22
Jmjd6	jumonji domain containing 6	Gpr37l1	G protein-coupled receptor 37
Lpar3	lysophosphatidic acid receptor 3	Gpr39	G protein-coupled receptor 39
Lrp11	low density lipoprotein receptor-relat	Gpr56	G protein-coupled receptor 56
Lrp4	low density lipoprotein receptor-relat	Gpr75	G protein-coupled receptor 75
Lrp5	low density lipoprotein receptor-relat	Gpr85	G protein-coupled receptor 85
Lrp8	low density lipoprotein receptor-relat	Gpr98	G protein-coupled receptor 98
Mfsd6	major facilitator superfamily domain	Grb14	growth factor receptor bound
Ngfr	nerve growth factor receptor (TNFR s	Gria1	glutamate receptor, ionotropic
Nisch	nischarin	Gria2	glutamate receptor, ionotropic
Notch1	Notch gene homolog 1 (Drosophila)	Gria4	glutamate receptor, ionotropic
Notch2	Notch gene homolog 2 (Drosophila)	Grid1	glutamate receptor, ionotropic
Npr3	natriuretic peptide receptor 3	Grid2	glutamate receptor, ionotropic
Nr4a1	nuclear receptor subfamily 4, group A	Grik1	glutamate receptor, ionotropic
Nr4a2	nuclear receptor subfamily 4, group A	Grik2	glutamate receptor, ionotropic
Nrip1	nuclear receptor interacting protein 1	Grik3	glutamate receptor, ionotropic

Nrp1	neuropilin 1	Grik5	glutamate receptor, ionotropic
Ogfr	opioid growth factor receptor	Grin1	glutamate receptor, ionotropic
Olfr847	olfactory receptor 847	Grin2b	glutamate receptor, ionotropic
Olfr908	olfactory receptor 908	Grif1	glucocorticoid receptor DNA b
P2rx4	purinergic receptor P2X, ligand-gated	Grm1	similar to metabotropic glutam
Phb2	prohibitin 2	Grm7	glutamate receptor, metabotro
Plxna4	plexin A4	Htr2b	5-hydroxytryptamine (seroton
Plxnb1	plexin B1	Htr3a	5-hydroxytryptamine (seroton
Ptpn1	protein tyrosine phosphatase, non-re	Htr3b	5-hydroxytryptamine (seroton
Ptpn9	protein tyrosine phosphatase, non-re	Htr4	5 hydroxytryptamine (seroton
Ptprf	protein tyrosine phosphatase, recept	Igf1r	insulin-like growth factor I rece
Ptprj	protein tyrosine phosphatase, recept	Igsf11	immunoglobulin superfamily, r
Ptprm	protein tyrosine phosphatase, recept	Il17rd	interleukin 17 receptor D
Ptprn	protein tyrosine phosphatase, recept	Il17rd	interleukin 17 receptor D
Ptpro	protein tyrosine phosphatase, non-re	Il1rap	interleukin 1 receptor accesso
Ptprz1	protein tyrosine phosphatase, recept	Il1rapl1	interleukin 1 receptor accesso
Ramp3	receptor (calcitonin) activity modifyin	Insr	insulin receptor
Rara	retinoic acid receptor, alpha	Itga2	integrin alpha 2
Rarb	retinoic acid receptor, beta	Itga6	integrin alpha 6
Ret	ret proto-oncogene	Lcor	ligand dependent nuclear rece
Rhbdf1	rhomboid family 1 (Drosophila)	Lmbr1l	limb region 1 like
Rtn4rl1	reticulon 4 receptor-like 1	Lpar3	lysophosphatidic acid receptor
Rxra	retinoid X receptor alpha; similar to r	Lpar4	lysophosphatidic acid receptor
Rxrg	retinoid X receptor gamma	Lphn1	latrophilin 1
Scarb2	scavenger receptor class B, member 2	Lrp11	low density lipoprotein recepto
Sigmar1	sigma non-opioid intracellular recept	Lrp1b	low density lipoprotein-related
Slc7a1	solute carrier family 7 (cationic amin	Lrp8	low density lipoprotein recepto
Slitrk2	SLIT and NTRK-like family, member 2	Ltk	leukocyte tyrosine kinase
Sort1	sortilin 1	Mfsd6	major facilitator superfamily de
Sstr2	somatostatin receptor 2	Mmd2	monocyte to macrophage diffe
Sv2c	synaptic vesicle glycoprotein 2c	Mrgpre	MAS-related GPR, member E
Tgfbrap1	transforming growth factor, beta rece	Mrgprg	MAS-related GPR, member G
Tlr3	toll-like receptor 3	Myh7b	myosin, heavy chain 7B, cardia
Tmem123	transmembrane protein 123	Neto2	neuropilin (NRP) and tolloid (T
Tnfrsf21	tumor necrosis factor receptor super	Ngfr	nerve growth factor receptor (
Traf4	TNF receptor associated factor 4	Npy1r	neuropeptide Y receptor Y1
		Npy2r	neuropeptide Y receptor Y2
		Npy5r	neuropeptide Y receptor Y5
		Nr1d2	nuclear receptor subfamily 1, g
		Nr2c1	nuclear receptor subfamily 2, g
		Nr2c2	nuclear receptor subfamily 2, g
		Nr6a1	nuclear receptor subfamily 6, g
		Olfr1043	olfactory receptor 1043
		Olfr1157	olfactory receptor 1157
		Olfr1272	olfactory receptor 1273; olfact
		Olfr1349	olfactory receptor 1349

		Olfr1382	olfactory receptor 1382
		Olfr1389	olfactory receptor 1389
		Olfr288	olfactory receptor 288; olfacto
		Olfr39	olfactory receptor 39
		Olfr503	olfactory receptor 503; olfacto
		Olfr521	olfactory receptor 521
		Olfr60	olfactory receptor 60
		Olfr63	olfactory receptor 63
		Olfr695	olfactory receptor 695
		Olfr78	olfactory receptor 78
		Olfr914	olfactory receptor 914
		Olfr963	olfactory receptor 963
		Olfr967	olfactory receptor 967
		Olfr975	olfactory receptor 975
		Oprl1	opioid receptor-like 1
		Oprm1	opioid receptor, mu 1
		Oxtr	oxytocin receptor
		P2rx3	purinergic receptor P2X, ligand
		Paqr3	progesterin and adipoQ receptor
		Paqr9	progesterin and adipoQ receptor
		Pcdha10	
		Pgr	progesterone receptor
		Pgrmc1	progesterone receptor membr
		Plxna2	plexin A2
		Plxna3	plexin A3
		Plxna4	plexin A4
		Plxnb1	plexin B1
		Plxnb3	plexin B3
		Ppyr1	pancreatic polypeptide recepto
		Prokr2	prokineticin receptor 2
		Pth2r	parathyroid hormone 2 recepto
		Ptpn1	protein tyrosine phosphatase,
		Ptpn12	protein tyrosine phosphatase,
		Ptpn3	protein tyrosine phosphatase,
		Ptpn9	protein tyrosine phosphatase,
		Ptprg	protein tyrosine phosphatase,
		Ptprj	protein tyrosine phosphatase,
		Ptprm	protein tyrosine phosphatase,
		Ptprn	protein tyrosine phosphatase,
		Ptprn2	protein tyrosine phosphatase,
		Ptpro	protein tyrosine phosphatase,
		Ptprr	protein tyrosine phosphatase,
		Ptprs	protein tyrosine phosphatase,
		Ptprz1	protein tyrosine phosphatase,
		Ramp3	receptor (calcitonin) activity m
		Rarb	retinoic acid receptor, beta

	Ret	ret proto-oncogene
	Rrh	retinal pigment epithelium der
	Scarb2	scavenger receptor class B, me
	Slc20a1	solute carrier family 20, memb
	Slitrk1	SLIT and NTRK-like family, mer
	Slitrk2	SLIT and NTRK-like family, mer
	Slitrk3	SLIT and NTRK-like family, mer
	Sorl1	similar to sortilin-related recep
	Sort1	sortilin 1
	Sstr1	somatostatin receptor 1
	Sstr2	somatostatin receptor 2
	Stra6	stimulated by retinoic acid gen
	Sv2a	synaptic vesicle glycoprotein 2
	Sv2c	synaptic vesicle glycoprotein 2
	Taar1	trace amine-associated recepto
	Taar2	trace amine-associated recepto
	Tacr3	tachykinin receptor 3
	Tas2r134	taste receptor, type 2, membe
	Tnfrsf21	tumor necrosis factor receptor
	Traf4	TNF receptor associated factor
	Trpc6	transient receptor potential ca
	Trpc7	transient receptor potential ca
	Trpm3	transient receptor potential ca
	Tyro3	similar to Rse; TYRO3 protein t
	Unc5a	unc-5 homolog A (C. elegans)
	Unc5d	unc-5 homolog D (C. elegans)
	Vmn2r81	vomer nasal 2, receptor 81; vo
	Xpr1	xenotropic and polytropic retr