

Riggs, et al. Supplemental Table ST3

Genes >= 1.5 fold up regulated vs MEF starting cells

mESC	Fold vs MEF	iPS1	Fold vs MEF	iPS2	Fold vs MEF	ROFC	Fold vs MEF	ROFKT	Fold vs MEF	OFC	Fold vs MEF	OFT	Fold vs MEF
Dppa5	323.81	9626100_224	143.34	9626100_224	277.22	9626958_317	376.58	9626958_317	333.42	9626958_317	107.32	9626958_317	163.23
Trh	164.81	9626958_317	140.15	9626100_15	276.58	9626100_15	363.52	9626100_15	305.31	9626100_224	89.01	9626100_224	155.53
Dnmt3l	72.04	9626100_15	103.76	9626958_317	270.89	9626100_224	308.80	9626100_224	278.21	9626100_15	77.35	9626100_15	144.63
Pou5f1	67.38	Mela	39.29	Slc38a5	264.03	9629514_325	200.60	Slc38a5	140.55	Ccl9	42.01	9629514_325	35.93
Pem	46.90	Wisp2	35.11	9629514_325	93.06	Gstp2	79.45	9629514_325	86.34	Pif2	39.00	Slpi	19.08
2410146L05Rik	43.80	Pou5f1	29.98	LOC233038	88.81	LOC634428	61.78	Krt1-17	44.44	Apod	38.52	Apod	18.44
Dnmt3b	42.87	Trh	29.85	Krt1-14	78.24	18S_rRNA_X00686_301	56.03	L1td1	48.69	Mrrplf3	35.49	Car9	17.30
Tdh	40.34	Dppa5	27.75	Pou5f1	68.83	Pou5f1	54.94	Gstp2	42.10	Pif	22.77	Nm1	13.97
Upp1	32.22	Slc38a5	23.23	1190003J15Rik	38.62	L1td1	49.39	Pou5f1	39.36	Ly86	21.47	Gpnmb	10.49
Nanog	30.69	L1td1	19.50	Rog	31.64	Krt1-17	48.63	Mela	36.71	Coro1a	18.83	Clecsf8	9.86
Ebaf	29.90	Igtp	19.17	Mal	29.45	Dppa5	38.76	Dppa5	33.56	Iffit3	18.72	Mgst2	9.46
Pla2g1b	29.70	9629514_325	18.30	2210401J11Rik	25.63	Rbm35a	36.52	18S_rRNA_X00686_301	32.70	Ugt1a10	17.84	2310043N10Rik	9.32
LOC381591	28.21	Al481100	16.37	Ly6c	25.61	2200001115Rik	36.16	Krt42	31.12	Mela	17.57	Cd14	9.20
Tcfcp2l1	27.73	Prep	15.50	Dok2	25.46	Mela	29.43	Nm1	29.43	C1qb	17.35	Rbp4	8.95
L1td1	26.69	2010001M09Rik	14.64	Cldn11	24.85	Krt4p	33.98	E130012A19Rik	27.73	C1ag	17.15	Lyzs	8.72
Mela	26.32	LOC233038	13.92	BC018222	24.63	1190003J15Rik	33.64	Lama3	25.81	Cd68	15.75	P2ry14	8.65
Ndg2	25.28	LOC381591	13.16	Msln	24.59	Pem	32.69	Rog	23.12	D11ErtD759e	15.65	Cd68	8.60
Fbxo15	23.76	2200001115Rik	12.52	Fgfbp1	23.50	Rog	32.49	LOC233038	22.46	Clecsf8	15.61	Sxbp2	8.31
Grb7	22.84	Ly6a	12.13	Stmn2	23.15	Nanog	31.00	2210401J11Rik	20.66	9629514_325	15.47	Prf1	8.23
Sall4	22.81	Pif2	11.96	S100a3	22.74	2210401J11Rik	28.65	Krt4p	18.29	Cd52	15.34	Car12	8.07
2410116G06Rik	21.06	Mrrplf3	11.94	Krt1-17	21.85	LOC381591	26.78	Rbm35a	17.61	Cd14	15.07	Pdk1	7.68
LOC383308	20.85	E130012A19Rik	10.95	Laptrm5	20.75	LOC233038	14.69	Dok2	17.55	LOC381284	14.69	Alox5ap	7.52
Ulf1	19.70	Dnmt3b	11.17	Krt4p	20.59	18S_rRNA_X00686_849	26.19	Cdh1	17.41	Tlr2	14.22	Nup210	7.39
Esrpb	18.36	Ppbp	11.12	Msc	20.28	2310011E23Rik	24.18	LOC634428	17.33	Ugt1a9	13.99	1700112C13Rik	7.31
2410004F06Rik	18.35	1190003J15Rik	10.63	L1td1	19.63	Phlda2	23.92	LOC381591	16.37	Tyrobp	12.88	Smpd13b	7.04
Leftb	18.32	Saa3	10.50	LOC381591	19.06	LOC385086	23.67	Itpk1	16.03	Lgals3bp	12.27	BC030476	6.65
Sp5	17.60	Gdf3	10.22	Krt42	17.34	1600023A02Rik	21.06	1190003J15Rik	15.44	Igh-6	11.90	Coro1a	6.42
Tcea3	17.23	AA175286	9.77	Itpk4	17.03	Slc38a5	19.92	Msln	15.17	2310061N23Rik	11.78	Selenbp1	6.32
Dppa4	17.11	CDKN2A_p16_Ink4a_136	9.66	Tfrc	16.77	Dok2	19.04	Krt1-14	15.10	Emb	11.60	mtDNA_ND6	6.31
Spink3	16.75	Ly6c	9.36	LOC386405	15.15	Nup210	18.64	Tcfcp2l1	14.52	Ocil	11.23	Trem2	6.26
Krt42	16.25	Tdh	9.13	Pem	14.55	Krt1-14	14.55	1600023A02Rik	14.45	Oasl2	11.16	BC006933	5.96
Dppa3	15.35	Gbp2	8.96	Upp1	13.96	Atp2a3	16.52	Esam1	14.39	Alox5ap	11.00	Tyrobp	5.96
E130012A19Rik	15.33	Msc	8.90	Krt1-19	13.34	Fgfbp1	16.45	Iap	14.28	Ifi47	11.00	Mmp3	5.92
Gdf3	15.18	Ecm1	8.78	Krt1-16	12.97	Itpk1	16.43	2410039E07Rik	14.00	Trem2	10.67	D930010J01Rik	5.79
Zfp42	15.01	M32486	8.21	LOC226866	12.54	Ly6c	16.39	18S_rRNA_X00686_849	13.68	Al132321	10.54	2310047115Rik	5.71
Olig1	14.90	Dnmt3l	8.11	Cldn4	12.02	Fbxo15	16.11	2200001115Rik	13.05	Apobec1	10.41	Eno2	5.71
Tex19	14.83	2210401J11Rik	7.34	E130012A19Rik	11.74	E130012A19Rik	15.98	Gpx2	12.95	Lyzs	10.39	1810015A11Rik	5.70
Phlda2	14.68	Gvin1	7.32	Elav12	11.65	Grb7	11.65	Pem	12.88	AA175286	10.14	Tlr2	5.64
Rbm35a	13.78	Slc2a3	7.30	Adpn	11.53	Pigt	14.95	Fv1	12.79	Blk	10.09	Ppp1r3c	5.32
Ox2	12.99	Ndg2	7.16	Krt2-8	11.36	Slc23a3	14.53	Fgfbp1	12.39	Laptrm5	10.08	Ehcd2	5.27
Cldn6	12.98	2410137M14Rik	7.13	Siat10	10.91	BC018222	14.25	Slc2a3	12.08	Psmb8	10.03	Ly6c	5.24
2610206G21Rik	12.82	Aebp1	7.02	Prg	10.90	S100a3	14.19	Chi3l1	12.05	Tap2	10.03	H2-Ke6	5.23
T	12.69	Lgals7	6.92	Sfn	10.72	Elav12	14.12	BC018222	11.81	LOC240327	9.87	Lpl	5.22
Emb	12.65	Upp1	6.69	Plekhh1	10.67	Rab25	13.21	1700006F03Rik	11.48	Nup210	9.72	Sox10	5.21
LOC386405	12.42	Spp1	6.66	Rbm35a	10.63	Ndg2	12.73	Krt2-8	11.31	Ncf4	9.53	Cdsn	5.16
Gbx2	12.21	Rog	6.61	Upk1b	10.56	Ras2	12.65	Upk1b	11.20	H2-T23	9.47	Mt1	5.16
Zic3	11.16	Pif	6.55	Itpk1	10.54	Scara5	12.27	LOC385086	10.72	H2-Q5	9.45	Nt5e	5.10
Slc2a3	10.91	Gsta4	6.52	Ddc	10.15	Cdh1	12.18	Tph1	10.62	LOC380706	9.20	Gpr120	5.00
2610036A22Rik	10.82	Mt1	6.41	BC004728	9.86	Tph1	12.02	Gsta4	10.60	Casp1	9.19	Stc2	4.99
Nr6a1	10.58	Sp5	6.25	Gna14	8.89	Krt2-8	11.74	EG638695	10.41	Fcgrt	9.07	Kcnab2	4.93
Gldc	10.53	Iff47	6.20	Tnfsf9	8.85	Lgals7	11.26	Nup210	10.35	Gbp4	9.02	LOC231663	4.93
Nodal	10.52	T	6.17	Cyp4a10	8.82	Lama3	11.22	Prg	10.35	Hpgd	8.90	4930572J05Rik	4.91
9626958_317	10.14	inhbb	6.06	Atp2a3	8.75	Itpk4	10.66	Ndg2	10.33	Al481100	8.78	4930583H14Rik	4.90
Manba	9.95	Lgals3bp	6.06	2310043J07Rik	8.68	Mal	10.57	Saa3	10.27	Picg2	8.69	Ocil	4.89
Eras	9.90	2610001E17Rik	5.07	Pif2	8.64	Ly6g6c	10.21	Ly6c	9.82	Pscd4	8.61	Lyz	4.88
Nup210	9.45	EG638695	5.70	1700019D03Rik	8.39	Rpp25	10.10	Grb7	9.71	Igtp	8.51	Ddit4	4.87
Tcfap2c	9.38	Cd59a	5.69	LOC239083	8.21	Ly6a	10.08	Mcp18	9.63	Ms4a6d	8.48	Zranb3	4.85
Gsta4	9.09	Irak3	5.69	Fetub	8.18	Nppb	10.00	Atp2a3	9.45	Apoe	8.33	Kng1	4.79
Fgf8	8.88	Itpk4	5.67	Idb1	8.17	Map4k1	9.96	Tsga2	8.74	Sirpb1	8.31	Txnip	4.75
2410039E07Rik	8.87	Ubd	5.66	2410039E07Rik	8.16	Gm484	9.67	2410137M14Rik	8.70	Usp18	8.27	Gstm1	4.66
Zfp296	8.75	Sall4	5.64	Hs3st3a1	8.07	Sfn	9.63	Ly6a	8.64	Aif1	8.18	Vldlr	4.65
1700012H05Rik	8.66	Psmb8	5.56	Al256711	7.82	Dnmt3b	9.50	Itpk4	8.54	Csf1r	8.08	Atf3	4.63
Cxxc6	8.64	Mapk13	5.42	Aqp3	7.80	4732474A20Rik	9.38	Sull4a1	8.51	Was	8.05	Adssl1	4.56
Rpp25	8.61	Grem1	5.40	Chi3l1	7.80	Cbr3	9.16	Lrp11	8.47	Ptpns1	7.85	Fcgrt	4.55
Pif2	8.56	Fbxo15	5.26	1600023A02Rik	7.74	Capn5	9.07	Fbxo15	8.41	Ucn2	7.82	Ugt1a10	4.43
Rbpm52	8.46	LOC380706	5.14	9530018I07Rik	7.74	Itpk3	9.03	Gdf3	8.41	P2ry6	7.77	Col16a1	4.42
Snrpn	8.42	sc10002073.1_13	5.11	2310046K01Rik	7.69	2310046K01Rik	8.84	LOC280487	8.32	Fcgr3	7.69	1810073E21Rik	4.39
Mreg	8.33	Iffit3	5.08	E430003D02Rik	7.69	Aap3	8.78	Tex19	8.32	Lmo2	7.67	Plekha2	4.39
LOC383576	8.10	Mcp18	5.02	Nt5e	7.60	BC004728	8.58	Dmkn	8.26	Gbp2	7.42	Pcp411	4.38

Bex4	7.90	Gna14	5.01	Mmp10	7.58	Nrn1	8.46	Nanog	8.09	Nrn1	7.34	Btk	4.37
C430020H24Rik	7.82	Siat10	4.98	Gsta4	7.50	Hmgb211	8.43	Stmn2	7.93	Plac8	7.18	Lmo2	4.35
Snurf	7.75	Nt5e	4.96	Tspan32	7.50	Msln	8.42	Pigt	7.89	Pscdbp	7.02	Aebp1	4.34
Etsrp71	7.47	Gzme	4.94	Anxa8	7.34	Mcpt8	8.38	2310046K01Rik	7.77	MgI1	6.99	AU040950	4.32
Lin28	7.45	Fbln2	4.86	Mrpplf3	7.15	LOC385068	7.87	Plekhh1	7.76	G1p2	6.93	Mnd1	4.29
Car4	7.40	Lrp11	4.84	Bex4	7.03	Liglh2	7.80	Liglh2	7.05	Ebi2	6.84	Slc2a6	4.29
Lhx1	7.34	Tcfcp211	4.84	1110018K11Rik	6.84	Upp1	7.77	Dnmt3b	6.90	Parp14	6.83	Tcea2	4.29
Gstp2	7.32	Leftb	4.80	Dmkn	6.83	Gsr	7.73	BC004728	6.86	Lpl	6.77	Apobec1	4.24
Pdk1	7.15	Prg	4.68	Slc2a3	6.66	Gmfg	7.69	scl0002073.1_13	6.78	D14ErtD668e	6.71	S730577G12Rik	4.21
Mrpplf3	7.05	Dok2	4.67	Esam1	6.62	Dmkn	7.47	Upk3b	6.73	Sfrp2	6.69	S033413D16Rik	4.20
9626100_224	6.93	Aoah	4.65	Gjb3	6.52	D11ErtD759e	7.06	TdGF1	6.62	LOC56628	6.61	Abhd14b	4.20
Mt1	6.82	Ephx1	4.56	2300002G24Rik	6.50	Adpn	7.05	Mt1	6.54	2210415K03Rik	6.58	mtDNA_ND4L	4.17
Etv5	6.61	Nrn1	4.56	Lyzs	6.42	Cpn1	7.00	Mal	6.52	Islr	6.52	Casp1	4.12
1190003J15Rik	6.56	Tap2	4.56	Nup210	6.42	Plekhh1	6.98	Spp1	6.51	Vav1	6.51	Ccl9	4.12
Acvr2b	6.52	1700019D03Rik	4.54	EG638695	6.37	Siat10	6.76	Ugt1a10	6.45	PreIp	6.45	Rpl22	4.11
Bing4	6.44	Mglap	4.51	Sgne1	6.34	Spp1	6.72	AA175286	6.26	Fgd2	6.38	Tgfb1	4.11
Slc7a3	6.27	Rbm35a	4.41	Plek2	6.29	Oact1	6.68	Evx1	6.25	Lcp1	6.36	D11ErtD759e	4.10
Wisp2	6.17	Ebaf	4.59	Cs19	6.27	Nt5e	6.64	E430003D02Rik	6.19	Mpeg1	6.36	Rhbdl2	4.07
LOC620807	6.13	Ugt1a10	4.49	Mgst3	6.23	Cyp2s1	6.52	Fcho1	6.14	Tlr7	6.28	Xist	4.07
Zscan10	6.13	Ak4	4.45	Klk10	6.12	Fcho1	6.46	D11ErtD759e	5.92	Lgmn	6.23	Laptm5	4.00
Spint1	6.02	Cbr3	4.26	2310007F04Rik	6.06	Tex19	6.42	Tsp50	5.86	GpnmB	6.19	Prodh	3.96
Gsc	6.00	Itga11	4.25	Dyrk3	6.06	S100a14	6.38	Itga3	5.85	Ctsz	6.16	Dpt	3.95
1600023A02Rik	5.93	Nanog	4.25	Map4k1	6.06	Arhgef3	6.37	Gng13	5.82	Mx2	6.15	S100a1	3.91
2200001115Rik	5.93	Irx3	4.20	Lgals7	6.03	Gdf3	6.33	Cbr3	5.77	LOC226691	6.12	Fcgr3	3.89
Fgf5	5.92	Fn1	4.19	Cyp2s1	5.87	Sall4	6.30	Gsr	5.73	Sesn1	6.11	Tmie	3.89
2610305D13Rik	5.86	Smoc1	4.11	Aldh3a1	5.86	Myo1g	6.28	Rpp25	5.64	Hcph	6.03	Lpxn	3.84
Sult4a1	5.82	D11ErtD759e	4.09	Ckb	5.82	1110018J23Rik	6.23	S100a3	5.61	Kng1	5.98	S730594E01Rik	3.81
BC030476	5.78	Fgfbp1	4.09	Itga3	5.74	Tdh	6.22	Ugt1a9	5.60	Ppap2b	5.91	mt-Nd4l	3.81
Cdh1	5.75	Thbd	4.09	Tdh	5.70	Sult4a1	6.16	Zic3	5.59	Lpxn	5.88	lmpm21	3.79
Fgf17	5.75	Mxra8	4.08	Ramp3	5.69	Lrmp	6.12	Dsg2	5.53	Ifi202b	5.77	M32486	3.79
C330034C07Rik	5.73	Stmn2	4.08	Tacstd2	5.67	Lrp11	6.09	Rps6ka1	5.52	LOC218617	5.77	Cebpb	3.76
LOC386360	5.70	Fetub	4.07	Sprr1	5.66	Tgm1	5.98	Irak3	5.44	AY078069	5.76	Ugt1a9	3.76
Msh6	5.69	Ugt1a9	4.07	Tmem20	5.61	Cldn4	5.93	Sfn	5.43	2310043N10Rik	5.73	9430052C07Rik	3.74
Rog	5.59	Gbp4	4.06	Lyz	5.59	Evx1	5.91	9530018I07Rik	5.41	Sfrp1	5.71	Abcb4	3.73
Liglh2	5.52	Tlr2	4.04	Fbxo15	5.58	Stmn2	5.90	D9ErtD280e	5.37	Unc93b1	5.69	Ltbp4	3.73
BC004728	5.49	Sytl1	3.99	Ly6a	5.54	Dgat2	5.87	Nt5e	5.35	Mt1	5.66	Ctsz	3.70
LOC634428	5.26	Ccond1	3.98	Sox2	5.54	AA175286	5.79	Spint1	5.35	Stxbp2	5.63	Ptpns1	3.70
LOC384179	5.17	Fgf8	3.98	Avp1	5.46	Tsga2	5.74	2310043N10Rik	5.30	Klhf6	5.59	Lgals3	3.67
Klf2	5.15	scl0001849.1_2273	3.98	2010317E24Rik	5.45	Hk2	5.61	2310011E23Rik	5.29	Icsp1	5.55	1500012F01Rik	3.66
CDKN2A_p16_Ink4a_136	5.11	6330404C01Rik	3.95	Arg1	5.45	Sh3tc1	5.60	Lgals7	5.25	Mgl2	5.53	NdrG1	3.65
E430003D02Rik	5.11	Timp3	3.95	6330404C01Rik	5.44	Klf4	5.56	Ckmt1	5.21	Chst8	5.49	Emilin2	3.64
Spp1	5.09	Nupr1	3.94	Hmgb211	5.35	Gzme	5.55	Slc7a3	5.20	Cx3cr1	5.49	Gls2	3.63
Krt2-8	5.06	Gbx2	3.92	Acta1	5.32	Catnal1	5.50	Xlr4a	5.19	Abhd14b	5.47	Gmpr	3.63
D11ErtD636e	5.04	FoIrl	3.89	913021N20Rik	5.09	Rps6ka1	5.47	M32486	5.12	BC032204	5.46	LOC245892	3.63
Mmp3	5.02	Tcea3	3.86	Liglh2	5.05	E130014J05Rik	5.43	1110018J23Rik	5.09	Mgst2	5.46	2310009E04Rik	3.62
1110033J19Rik	4.98	Tspan17	3.85	2200002D01Rik	5.01	Lgals3	5.39	Scara5	5.05	PsmB9	5.45	Was	3.62
1700019D03Rik	4.97	AlI427138	3.84	Irak3	4.98	AU018091	5.38	Tmem20	5.04	Entpd2	5.35	Socs3	3.61
Tcf15	4.97	D12ErtD647e	3.83	Nppb	4.95	D9ErtD280e	5.31	mt-Nd5	5.02	1200002N14Rik	5.31	Cdca7	3.60
2610002D18Rik	4.96	Dbp	3.83	Cldn6	4.92	Eppk1	5.30	Sall3	5.01	B230343A10Rik	5.29	Hsd3b7	3.60
Mnd1	4.95	Parp14	3.80	Zic3	4.89	Krt1-19	5.28	Ppl	4.92	Dpt	5.29	4933439C20Rik	3.59
Gab1	4.92	Tsrc1	3.78	Fzr1	4.85	Bst2	5.24	Elavl2	4.91	Ctse	5.27	6430559E15Rik	3.58
Rfx2	4.88	Timp2	3.72	Ebp	4.84	TdGF1	5.21	1110018K11Rik	4.88	Gpr65	5.27	Tle6	3.58
D230005D02Rik	4.87	Mrgprf	3.71	Catnal1	4.82	AW212394	5.19	Htatip2	4.85	1110007C02Rik	5.20	AlB39920	3.53
Tcl1	4.87	Irf1	3.70	Saa3	4.82	Lamb3	5.19	Mtap7	4.80	Fgf5	5.20	Al132321	3.51
Slc27a2	4.86	Pgpc	3.70	Serpinb3a	4.81	Dusp14	5.18	Rab25	4.79	Ly6c	5.19	Gcs1	3.51
Pou3f1	4.77	Nodal	3.69	Podxl	4.78	Sod2	5.17	Wt1	4.78	Lyz	5.19	Plog2	3.51
Hmgb211	4.76	Tmem20	3.66	AU018091	4.76	Tmem20	5.17	Cldn4	4.76	AW491445	5.17	Mrgprf	3.49
LOC385163	4.76	LOC56628	3.63	Trh	4.76	Aim1	5.13	Stxbp2	4.75	Sox10	5.17	Slc19a1	3.43
Tcf15	4.74	Lama3	3.62	TdGF1	4.69	Liglh2	5.09	Fars2	4.72	Cxcl16	5.16	2610019E17Rik	3.41
Pnma2	4.70	H2-L	3.61	AK129128	4.66	Sema4b	5.08	FoIrl	4.72	Rassf4	5.08	Zfp692	3.41
Rragb	4.70	PsmD8	3.60	2610528A11Rik	4.64	Pof1b	5.01	Tacstd2	4.68	Tor3a	5.04	BC011468	3.40
Itpk1	4.68	Snurf	3.60	Bhlhb2	4.60	mt-Nd5	4.96	Ubd	4.63	Arb2	5.03	Ppp19a	3.40
2410008K03Rik	4.64	Sdpr	3.58	C230093N12Rik	4.60	Utr1	4.91	Porcn	4.59	AU040950	4.95	Mmp2	3.37
TdGF1	4.63	Tspan32	3.58	Saa1	4.59	Mreg	4.87	Hmgb211	4.52	Mgst1	4.95	Mxra8	3.36
Apoc1	4.61	E430003D02Rik	3.55	Cenpa	4.58	Fgf15	4.86	Otx2	4.52	Lyl1	4.94	Pip	3.35
Cbx7	4.57	Cldn11	3.51	Grb7	4.58	Fetub	4.79	Tm4sf3	4.52	Ube11	4.92	AlI428936	3.34
Mcpt8	4.54	Crtf1	3.50	Tle4	4.57	Lmo2	4.78	Pf12	4.51	Emilin2	4.90	Zxda	3.34
Slc7a7	4.54	Al118078	3.49	Gng13	4.55	Hspb8	4.76	2210015K02Rik	4.44	Sema4a	4.90	3110013H01Rik	3.33
Mybl2	4.51	Mvp	3.47	Spint1	4.55	Pf12	4.73	2310007F04Rik	4.44	Adssl1	4.85	Dgat2	3.33
Lrrc34	4.49	Adpn	3.42	Slc2a1	4.54	4930504E06Rik	4.70	BC021614	4.36	Tle2	4.83	Aldh1l2	3.32
Plekhh2	4.49	2410008K03Rik	3.41	Fbp2	4.53	Mrpplf3	4.70	Podxl	4.34	Tcea3	4.82	1110017D07Rik	3.30
Slpi	4.45	Mcpt1	3.41	C330001N20Rik	4.45	Al118078	4.67	C230093N12Rik	4.32	C1qa	4.78	Il13ra1	3.30

Sox2	4.44	C230093N12Rik	3.40	Cpn1	4.45	5430425C04Rik	4.65	Aim2	4.30	Cyp7b1	4.76	Xdh	3.30
9626100_15	4.41	Elavl2	3.40	MGC118250	4.44	Cln3	4.65	Capn5	4.20	Msr2	4.75	Lgmn	3.29
Klhl13	4.40	Hist1h2bc	4.43	Gm592	4.43	Pou3f1	4.65	Alox12b	4.37	Wisp2	4.72	Ly6a	3.29
OTTMUSG00000010673	4.35	Usp18	3.39	Z810025M15Rik	4.41	Kik10	4.62	Aap3	4.27	scavenger receptor	4.71	Z310079N02Rik	3.28
Slc9a3r1	4.32	Dkk3	3.37	Cd9	4.39	1110001A12Rik	4.48	Gclm	4.27	Ptpn18	4.70	Shmt1	3.27
Dyrk3	4.29	Serpina3h	3.36	Hist1h2ak	4.39	Dppa4	4.48	Tjp2	4.26	Hcls1	4.65	Cbr2	3.26
LOC235860	4.28	Z410146L05Rik	3.34	LOC245128	4.38	Abhd14b	4.42	Blvr9	4.22	Arhgap30	4.58	Anepq	3.25
Pif	4.28	Abhd14b	3.34	Z310010M24Rik	4.29	Slc23a2	4.42	D19Erd144e	4.22	H2-T9	4.51	Z410006H16Rik	3.23
Phc1	4.26	Cdkn2a	3.32	Snurf	4.29	Mt1	4.41	1200008O12Rik	4.20	Mrgprf	4.50	Klhl17	3.22
Gjb3	4.24	Fgf10	3.32	Dusp14	4.28	C330001N20Rik	4.39	Bex4	4.20	AW046396	4.47	Lyl1	3.21
Twistnb	4.22	Mkl1	3.32	Lamc2	4.28	Spint1	4.39	Tgm1	4.18	EG630499	4.47	Zbtb2	3.21
Ung	4.22	BC023741	3.31	Gngt2	4.27	CDKN2A_p16_Ink4a_136	4.32	Centd1	4.11	Gata2	4.47	Ncf4	3.20
Helb	4.15	Z610019F03Rik	3.30	Apocdd1	4.24	Mras	4.32	Wnt10a	4.11	Ilth2	4.45	Pfkf	3.20
Apoa2	4.14	Btbd14a	3.28	Ccnd1	4.23	Cyb561	4.31	Adpn	4.10	Slc2a6	4.43	Aldh6a1	3.18
D030026A21Rik	4.10	Cdsn	3.25	Tjp2	4.20	Fbxo2	4.31	Hs3st3a1	4.10	Adamts2	4.41	Pde1b	3.18
Rheb1	4.09	Phlda2	3.25	Porcnc	4.19	Echdc2	4.27	Pace4	4.10	Guca1a	4.41	Z310005L22Rik	3.17
Gpx2	4.07	Itpk1	3.24	Rad52b	4.19	Konk6	4.27	Pacs1	4.08	Rarres2	4.39	Dbp	3.17
Pald	4.06	Psmb9	3.23	Z310061G07Rik	4.25	5430425C04Rik	4.07	LOC268934	4.07	H2-M3	4.37	Aaocl1	3.14
Ap1m2	4.05	Snrnp	3.23	Hist1h2ad	4.17	Etv5	4.23	CDKN2A_p16_Ink4a_136	4.06	Tgfb1	4.37	Akap8l	3.14
Prf1	4.04	Dusp14	3.21	Hist1h2ah	4.16	M32486	4.21	Cldn11	4.05	D11Lgp2e	4.36	Tnfrap2	3.14
8430410A17Rik	4.01	Pros1	3.20	Mylpf	4.15	Atp10d	4.20	Fetub	4.03	Nl5e	4.36	Z310056O03Rik	3.12
Folr1	3.98	Tnfrap2	3.20	Vil2	4.13	DXImx50e	4.19	LOC383576	4.03	Plk3cg	4.36	1700052O22Rik	3.11
Mcm10	3.98	Hmox1	3.19	Abp1	4.12	Homez2	4.19	Zfp42	4.02	Ly6a	4.35	Htatip2	3.11
Aim1	3.96	Tnfrsf22	3.19	1810027I20Rik	4.09	Z610019F03Rik	4.18	Etv5	4.01	Sepp1	4.33	Rgs11	3.10
Mtf2	3.96	Grina	3.19	Gzme	4.09	Abcc4	4.18	Z732474A20Rik	3.95	H2-gs17	4.32	Ndr1	3.08
Foxq1	3.95	Plekha2	3.14	Igfals	4.09	Plekha2	4.18	Fbp2	3.93	Pdgfra	4.31	6720463L11Rik	3.06
LOC380875	3.93	Ccl8	3.13	LOC243881	4.09	Gpx2	4.16	LOC385068	3.93	BC006933	4.30	Slc12a2	3.06
Lck	3.90	9130210N20Rik	3.11	Pcdh21	4.04	Plek2	4.16	Mrrplf3	3.92	Ifi30	4.30	Mast3	3.05
Nfatc2ip	3.89	H2-D1	3.10	Ctbb	4.02	AF067061	4.13	Sdfr2	3.90	Ly6e	4.30	C330008K14Rik	3.04
Stmn2	3.88	LOC226866	3.09	Hist1h2ao	3.93	Htatip2	4.13	Mras	3.87	Zmynd15	4.29	Cryz	3.02
Hspbap1	3.87	AU040950	3.08	Pif	3.93	Z310047C17Rik	4.10	Hk2	3.86	Ctss	4.27	E130012A19Rik	3.02
Plcg2	3.87	Aldh2	3.05	Reep1	3.93	Glox1d1	4.10	Sall4	3.85	9430052C07Rik	4.25	Wisp2	3.02
Hic2	3.85	Uff1	3.05	Plekha2	3.92	Podxl	4.10	Aim1l	3.82	Bcl2a1d	4.25	Slc7a5	3.01
LOC209182	3.84	S100a1	3.04	Z310020F24Rik	3.91	Zfp296	4.09	AU018091	3.78	Ddx58	4.24	Trap1	2.99
Tera-pending	3.84	Grb7	3.03	BC003277	3.90	Grem1	4.08	LOC208748	3.78	Man2b1	4.20	Ucn2	2.99
A030007L17Rik	3.81	Zfp296	3.03	Igf1bp3	3.90	Z730453H04Rik	4.07	Bst2	3.77	Plek	4.20	0610039N19Rik	2.98
Gzme	3.81	Cdh1	3.02	Hsd3b7	3.89	Gzme	4.07	Lama5	3.75	9230117N10Rik	4.18	B4galnt4	2.96
Mkrm1	3.81	Lrpap1	3.01	Kik11	3.89	Gjb3	4.04	Z700045K19Rik	3.74	Bst2	4.17	Smoc1	2.96
LOC245201	3.80	Slc5a7	3.01	Krt1-19	3.88	Pnma2	4.01	Krt1-19	3.74	Isgf3g	4.16	Chl3l1	2.95
AY078069	3.78	LOC243881	3.00	Cdc20	3.87	Tsp50	3.99	Z310061G07Rik	3.72	Z310047115Rik	4.15	Egfr7	2.95
Orc5	3.76	Lrrc34	3.00	Phlda1	3.87	1200008O12Rik	3.98	D5Bwg0834e	3.71	Cysltr1	4.15	Z210008I11Rik	2.94
Rnf134	3.76	Slc9a3r1	3.00	BC030476	3.86	Pod1	3.98	Slc2a1	3.70	Emr1	4.13	Aldh2	2.94
Rps6ka1	3.75	Emp2	2.99	Aoah	3.84	1110061N23Rik	3.95	Sema4b	3.68	9530018I07Rik	4.12	Siat7d	2.94
Ppp1r1a	3.74	Z4632401N01Rik	2.98	Pdpx	3.84	Gstp1	3.94	Psmd8	3.67	Tgm2	4.12	1500001E21Rik	2.93
Mixl1	3.73	BC004728	2.98	Pmm1	3.84	1700019D03Rik	3.93	Psors1c2	3.67	Fcgr2b	4.11	Col3a1	2.93
Z310042N02Rik	3.70	C130099A20Rik	2.98	Z810410M20Rik	2.98	Al256711	3.93	Sp5	3.66	Mrc1	4.10	Srr	2.93
Epb4.9	3.70	Fcgrt	2.98	Z210023G05Rik	2.98	1110020C13Rik	3.77	1110020C13Rik	3.64	Hemp1	4.09	Z5133400G04Rik	2.92
Esco2	3.67	Ocil	2.98	Loxl4	2.98	Sdfr2	3.77	Sdfr2	3.87	Slc39a4	3.63	Irf5	2.91
Zfp473	3.66	Sod3	2.98	Etv5	2.98	Stxbp2	3.76	Tcea3	3.87	Tcea3	3.63	Loh11cr2a	2.91
Lrp11	3.65	Tdgif1	2.98	Mcm5	2.96	Cxnc6	3.76	Tle4	3.83	Tle4	3.62	Ccr5	2.91
Al427138	3.63	Etv5	2.96	Crip2	2.95	Pacs1	3.75	Tcfap2c	3.83	Tcfap2c	3.59	Aldh6a1	2.90
AW060766	3.63	Ddx58	2.95	Cryab	2.95	Myp	3.75	Myp	3.82	Ifi3	3.57	Stc2	2.90
Psmd8	3.63	Timp1	2.94	LOC381140	2.94	Tek	3.79	Pde1b	3.57	E030020A01Rik	4.03	Dnmt3l	2.88
Igf2bp1	3.61	Hs3st3a1	2.93	Pim3	2.93	Hmox1	3.75	Hmox1	3.77	Abcc4	3.56	E430021P16Rik	2.88
BC006933	3.59	BC018222	2.91	A230057G18Rik	2.91	Z210011C24Rik	3.73	Mt2	3.75	Mt2	3.54	Pros1	2.88
Mglap	3.57	18S_rRNA_X00686_301	2.90	Sfrs6	2.90	Psmd8	3.72	Sfrs6	3.54	BC023741	4.00	Tmem20	2.88
Tle4	3.55	18S_rRNA_X00686_849	2.90	Slc9a3r1	2.90	Slc9a3r1	3.71	Slc9a3r1	3.73	4930570C03Rik	3.53	Expi	2.87
Nme3	3.54	D14Erd668e	2.89	Garnl4	2.89	Tcstv3	3.69	Tcstv3	3.73	Areg	3.53	Plekha4	2.86
Chd7	3.50	Ddc	2.89	Sh3tc1	2.89	Tle6	3.67	Tle6	3.73	A230057G18Rik	3.51	Col3a1	2.86
Sh3g2	3.49	Cd59b	2.88	Fcho1	2.88	Fcho1	3.66	Atr	3.72	BC043118	3.51	Igfbp4	2.86
Hat1	3.44	Serinc3	2.88	Akr1c18	2.88	Gpha2	3.64	Gpha2	3.51	Slc9a3r1	3.51	D12Erdt647e	2.85
Parp1	3.44	Z610206G21Rik	2.87	Ccne2	2.87	Ccne2	3.64	Rps6kl1	3.71	Pstpip1	3.50	Socs3	2.84
4930583H14Rik	3.43	Hist1h2bl	2.86	Sall4	2.86	Sall4	3.64	A030007L17Rik	3.68	Catnal1	3.46	Ndg2	2.84
1110061N23Rik	3.41	Ppap2b	2.86	Nfkbia	2.86	Nfkbia	3.63	H2-D1	3.67	LOC239083	3.46	Figf	2.84
Z210409E12Rik	3.41	Adamts2	2.84	B230208J24Rik	2.84	B230208J24Rik	3.61	5033403D15Rik	3.65	Fah	3.45	Napsa	2.84
Cldn4	3.41	Col10a1	2.84	C430004E15Rik	2.84	C430004E15Rik	3.60	Dedd2	3.65	Slc6a13	3.45	Srxp	2.84
Gemin4	3.40	Lynx1	2.84	LOC620807	2.84	LOC620807	3.60	Tst	3.65	Z732456N10Rik	3.44	Parvg	2.84
Cdca7	3.39	Ifi202b	2.83	Piga	3.58	Z610528E23Rik	3.58	Z610528E23Rik	3.64	AW046396	3.43	Pip	3.87
E430023L22Rik	3.39	Oasl2	2.82	Pglyrp1	3.57	Z310051E17Rik	3.57	Z310051E17Rik	3.62	1190005I06Rik	3.42	Z310079N02Rik	2.83
Stx3	3.38	Evx1	2.81	Birc5	3.56	BC012256	3.62	Slc23a3	3.62	Slc23a3	3.42	Tnfrap2	2.83
C86302	3.36	Ampd3	2.80	Nos3as	3.56	Z310061G07Rik	3.56	Z310061G07Rik	3.60	BC052040	3.40	Aebp1	2.82
5830411K18Rik	3.35	Cldn6	2.80	Ociad2	3.56	Slc24a6	3.60	G3bp2	3.60	G3bp2	3.40	Plekha2	2.82

Evx1	3.35	Gns	2.79	1110018J23Rik	3.53	Areg	3.58	Hspb8	3.40	Irf7	3.77	Gm2a	2.81
Grem1	3.35	Rbms2	2.78	4631405K08Rik	3.53	BC037006	3.58	Pou3f1	3.40	Sncg	3.76	Taz	2.81
Ina	3.35	Spint1	2.77	Chchd4	3.52	Dnmt3l	3.58	Gm2a	3.39	Nos3as	3.71	1110004P21Rik	2.80
Mapk13	3.35	LOC245350	2.76	Lama5	3.51	Zc3hdc1	3.56	Sic7a7	3.39	Pde1a	3.71	Card10	2.80
Rpgrip1	3.33	Frrs1	2.74	Kik7	3.50	Anxa4	3.54	2610019F03Rik	3.36	Ctcf	3.69	Isg20	2.80
LOC385855	3.32	Hist1h2bh	2.74	AU040576	3.49	Leftb	3.54	Bhlhb2	3.36	Gm2a	3.69	Mscp	2.80
Exosc5	3.31	Htatip2	2.74	Fos	3.49	Mapk13	3.54	Col18a1	3.36	Rgs10	3.69	Noc2l	2.80
BC013481	3.28	Msln	2.74	Hist2h2ac	3.47	BC003277	3.52	Ebf	3.36	Serinc3	3.68	Glis1	2.79
Snx10	3.27	Nup210	2.74	Hist2h2ab	3.45	C330008K14Rik	3.52	Gna14	3.35	Mmp2	3.67	Col6a1	2.78
Jmjd1a	3.26	Steap2	2.74	Cdkn2a	3.42	Citb	3.52	Pla2g7	3.35	Tcfap2a	3.67	Gp49a	2.78
9130210N20Rik	3.24	Mmp3	2.73	Mtap7	3.41	BC021614	3.41	Cyb561	3.34	Olfml3	3.66	Plek	2.78
Gbp1	3.24	Obx2	2.73	2410015N17Rik	3.40	Itp3	3.51	Ly6g6c	3.34	Txnip	3.66	1300006C06Rik	2.77
LOC245670	3.23	Hist1h2bp	2.72	Mcpt8	3.39	2410008K03Rik	3.48	Suz12	3.33	Ar11	3.65	1810049H13Rik	2.77
Picalm	3.23	1110030H18Rik	2.71	1110061N23Rik	3.38	LOC239083	3.46	Aldh2	3.32	Khk	3.63	BC032204	2.76
Pold3	3.23	AW046396	2.71	A630086H07Rik	3.38	BC019806	3.43	Leftb	3.32	Myo1g	3.63	Rnaseh2a	2.76
Vil2	3.23	scl00319622.1_241	2.71	Skap2	3.38	Gsta4	3.43	Myo1g	3.32	S100a1	3.63	Trps1	2.76
Arid3b	3.22	Serping1	2.71	Nme3	3.37	Pitcd3	3.43	Ppm1k	3.31	Xist	3.63	Hoxb7	2.75
D130017D19Rik	3.22	Socs3	2.71	Lama3	3.34	4930570C03Rik	3.41	DE630035O19Rik	3.31	Tlr13	3.62	LOC218617	2.75
BC052040	3.21	Rspo2	2.70	Folr1	3.33	BC065123	3.38	Flnb	3.30	Bcl2a1b	3.61	Nos3as	2.75
Dnd1	3.21	S100a4	2.69	Ceacam2	3.32	Blvrb	3.38	Msh6	3.30	Cd53	3.61	Nrm	2.75
Psx2	3.21	Tgfbr2	2.69	Hist1h3e	3.31	H2-Ke6	3.38	5530401J07Rik	3.28	Stat2	3.61	Snapc4	2.75
Slc39a4	3.21	Wnt10a	2.69	Rps6ka1	3.31	Gclm	3.37	Snrpn	3.27	1810015A11Rik	3.60	Lbcd1	2.74
BC032203	3.20	Gstt3	2.68	Zfp296	3.31	Tub4	3.36	Bscl2	3.26	Acas2l	3.60	scl0001356.1_58	2.74
Mtap7	3.19	Gsdmdc1	2.67	5730453H04Rik	3.30	H2-L	3.35	LOC56628	3.26	H2-T17	3.59	Snx10	2.74
Pla2g10	3.19	LOC383514	2.67	Hist2h2aa2	3.30	Plcg2	3.35	Fyco1	3.25	Manba	3.59	A230050P20Rik	2.73
5430400N05Rik	3.18	Pem	2.67	Sh3glb2	3.30	2610033H07Rik	3.34	6330505N24Rik	3.24	Psap	3.57	Gnptab	2.73
Nup160	3.17	Capn5	2.66	2310006J04Rik	3.29	Pkp3	3.34	Ebp	3.24	Rab3d	3.57	LOC386405	2.73
Abcc4	3.16	Ctsc	2.66	Hist1h2ag	3.27	C230093N12Rik	3.33	Sod1	3.22	Pde1b	3.56	2310046A06Rik	2.72
Rab25	3.16	Hist2h2aa1	2.66	1810015C04Rik	3.26	Ncl	3.33	Sp8	3.22	Rab31l1	3.55	Rps6ka1	2.72
Sfn	3.16	LOC386405	2.65	Acvr2b	3.25	Fv1	3.32	Fgf15	3.18	Fxyd5	3.54	0610040B21Rik	2.71
4930538D17Rik	3.15	Hist1h2bf	2.64	3110013H01Rik	3.22	Mtap7	3.31	Pgd	3.18	Iffl205	3.54	BC033596	2.71
Gsta3	3.15	Bscl2	2.63	Gmfg	3.22	Pif	3.31	Plekha2	3.18	Smpd3b	3.54	2410001E19Rik	2.70
Usp28	3.14	LOC381683	2.63	LOC380787	3.22	9530018I07Rik	3.29	E130014J05Rik	3.17	Tdrd7	3.53	Efnal1	2.70
LOC224276	3.13	Cd80	2.61	Snrpn	3.22	Dhx32	3.29	H2-D1	3.17	Gas7	3.51	Sesn1	2.70
Psors1c2	3.13	Hspb6	2.60	Abcb1b	3.21	Gstt3	3.29	1110020C13Rik	3.15	Hoxa7	3.51	2310056P07Rik	2.69
Nt5e	3.11	Dcxr	2.59	Arlgef3	3.20	Mtmr1	3.29	Gstk1	3.15	Mikl	3.50	Gmp1	2.69
Rpo1-1	3.11	Spata13	2.59	Dgka	3.20	Gpd2	3.27	1700019D03Rik	3.14	Nnmt	3.50	Pgk1	2.69
Mif4gd	3.08	Crip2	2.58	Hist1h2af	3.20	LOC547343	3.26	Kik11	3.14	6330416G13Rik	3.49	Mgst1	2.68
Ppil1	3.06	Dpp7	2.58	Smpd13b	3.20	LOC245128	3.25	Tap2	3.14	Col18a1	3.48	Dpp7	2.67
Ripk4	3.06	Pmm1	2.58	Hist1h4a	3.18	lap	3.24	4930504E06Rik	3.13	Gm	3.48	Selenbp2	2.66
Akp2	3.05	Atp2a3	2.57	Nrarp	3.18	6330505N24Rik	3.22	Cxadr	3.13	Ptgs2	3.47	scl0002507.1_236	2.65
Mns1	3.05	Ifftm3	2.57	Sic28a1	3.18	Ak4	3.22	Tspan17	3.13	Avpr1a	3.45	F7	2.64
Rfc5	3.05	2610204M08Rik	2.55	Cbr3	3.17	Lamc2	3.22	Dcl1	3.12	Ctcb	3.42	Myc	2.64
Tjp2	3.05	Mal	2.55	Gbx2	3.17	Msh6	3.22	9030013K10Rik	3.11	Cd33	3.41	Pla2g12a	2.63
Aplp1	3.04	Nbl1	2.54	Tcf15	3.17	Ebaf	3.21	Aldh3a1	3.11	Ctsh	3.41	Sgpp1	2.63
Cox7a1	3.04	1110020C13Rik	2.53	Ugt1a9	3.16	Fars2	3.21	Zfp57	3.11	H2-K1	3.41	Vars2l	2.63
Inhbb	3.04	4930570C03Rik	2.53	Vax2	3.15	Rassf3	3.21	Klf4	3.10	Tcea2	3.41	B230317C12Rik	2.62
Nr5a2	3.04	G1p2	2.53	8430410A17Rik	3.14	Tcfap2c	3.21	Mvp	3.10	Aadacl1	3.40	Ris2	2.61
Sbxp2	3.04	Hist1h2bj	2.53	Sp5	3.14	Cent1	3.20	Lad1	3.08	Col16a1	3.40	Arrb2	2.60
Epb4.114a	3.02	Pfkf	2.53	Mcm10	3.13	Drr1	3.20	Ecm1	3.07	Ypel3	3.39	Ccbl1	2.60
Gtf2h3	3.02	Tmem53	2.53	Phlda2	3.13	Dsg2	3.20	LOC381140	3.07	Col6a1	3.37	Ank	2.59
Rps6kl1	3.02	Lypla3	2.52	Covxib2	3.12	E430003D02Rik	3.19	Scamp1	3.06	Osr2	3.37	Dip3b	2.59
Trim59	3.02	Abcc4	2.51	LOC328752	3.12	Aldh2	3.16	2310010M24Rik	3.05	Tbc1d2b	3.37	Frrs1	2.59
1190007I07Rik	3.01	Col4a5	2.51	LOC381960	3.12	Car12	3.16	Sox2	3.05	I11ra1	3.36	LOC229810	2.58
Catnal1	3.01	Figf	2.51	Mapk13	3.10	Ngef	3.16	Ctsc	3.04	0610039N19Rik	3.35	Ssbp4	2.58
Pfkf	3.01	Sgk	3.10	1600029D21Rik	3.10	Gstk3	3.15	Colm	3.04	Colm	3.35	Ypel3	2.58
Tomm22	2.99	Sbxp2	2.50	Tmprss5	3.10	Dyrk3	3.15	Htra1	3.04	Cyp27a1	3.34	Dhrs7	2.57
LOC383619	2.98	Col5a1	2.49	Dnmt3b	3.09	1810030A06Rik	3.14	LOC245128	3.03	I11ra2	3.34	Fmo1	2.57
Slc5a5	2.97	Cxcl14	2.49	Foxd1	3.09	lfi30	3.13	Loxl4	3.03	LOC100034251	3.34	2310047C17Rik	2.56
D14Ertdd668e	2.94	1500005A01Rik	2.48	6430402L23Rik	3.08	B230114P05Rik	3.12	Gbx2	3.02	Trim25	3.34	Al847670	2.56
Mcm2	2.93	Hist1h2bm	2.48	Cyb561	3.08	Nfatc2ip	3.12	Grem1	3.02	6330406115Rik	3.33	Hars2	2.56
Pycr2	2.92	Ifftm1	2.48	Paip1	3.08	3110043J09Rik	3.11	Pnma2	3.01	Gmfg	3.33	Iffl30	2.56
Sgk	2.92	LOC620807	2.48	Agpat4	3.07	2310043N10Rik	3.10	4931431C02Rik	3.00	Rin2	3.31	Bub1b	2.55
Zfp428	2.92	Pdrg1	2.48	Dutp	3.07	D19Ertdd144e	3.10	H2-K1	2.98	E330036I19Rik	3.30	D230007K08Rik	2.55
Cbr3	2.91	1600023A02Rik	2.46	Ptp4a3	3.07	9930116P15Rik	3.09	LOC386405	2.98	Tapbp	3.30	LOC239083	2.55
Erd1	2.91	Plekha2	2.45	Card4	3.05	Al847670	3.08	2610206G21Rik	2.97	Ii	3.29	Wbscr5	2.55
Mina	2.91	Sulf4a1	2.45	2310011E23Rik	3.04	Akr1c18	3.08	4933439C20Rik	2.97	2810410A03Rik	3.28	2310041H06Rik	2.54
1700021C14Rik	2.90	2010004A03Rik	2.44	9430065L19Rik	3.04	Suz12	3.08	Nfatc2ip	2.97	Mnd1	3.28	Impa2	2.54
Al838661	2.90	Rpp25	2.44	Gzmd	3.04	6330406L22Rik	3.07	Gstp1	2.95	Prkr	3.28	Prss15	2.54
Gart	2.90	Dcl1	2.43	Hist1h2ai	3.03	Snrpn	3.07	Cldn6	2.94	Apoc2	3.25	Psodp	2.54
Tipin	2.90	Serpine2	2.43	Hist2h2be	3.02	Tnk1	3.07	Nodal	2.94	B830045N13Rik	3.25	Ak4	2.53
Ltpa4	2.88	3830408G10Rik	2.42	Homer2	3.02	Def6	3.06	Citb	2.93	4933439C20Rik	3.24	Figf	2.53

G3bp2	2.87	4732455O04Rik	2.42	Pald	3.02	Zfp339	3.06	Dusp14	2.93	Snx10	3.23	Slc6a15	2.53
Hk2	2.87	Gm2a	2.42	scl0001379.1_70	3.02	C730015A04Rik	3.05	H2-L	2.93	A230050P20Rik	3.22	Tspan32	2.53
Ris2	2.87	Gpx3	2.42	Adrb2	3.01	Finb	3.05	Pik3cb	2.93	BC028528	3.22	Entpd2	2.52
Chka	2.86	Ramp3	2.42	Alox5ap	3.01	Pik3cb	3.05	B3gnt6	2.92	Tle6	3.20	Il17rc	2.52
Mcptl	2.86	Agpt4	2.41	Nudt1	3.01	Sgpp1	3.05	Eli5	2.92	Zranb3	3.20	Mmp13	2.52
Dbp	2.85	Ilgbl1	2.41	Crym	3.00	BC032203	3.04	Oact1	2.91	Dok3	3.18	scl0002617.1_582	2.52
Foxh1	2.85	1190007F08Rik	2.40	Hist1h2an	3.00	Dgka	3.04	Picg2	2.90	Lrmp	3.17	Slc27a1	2.52
Rad52b	2.85	Pdk1	2.40	Lrmp	3.00	Plekfh2	3.04	Wisp2	2.90	8430417G17Rik	3.16	2610203E10Rik	2.51
Tfb1m	2.85	Tcf5	2.40	Sgol2	3.00	4930572J05Rik	3.03	Arhgef3	2.89	Trf	3.16	Fcgr2b	2.51
Atp6v1d	2.84	Catnal1	2.39	4732474A20Rik	2.99	D030047M17Rik	3.03	Picd3	2.89	Artn	3.15	Tcof1	2.51
Ddx25	2.84	Leprel2	2.39	Cd80	2.99	2310010M24Rik	3.01	Lamc2	2.88	Hoxb7	3.14	Tst	2.51
Mcm5	2.84	S100a13	2.38	Elov16	2.99	AW046396	3.01	Pak4	2.88	Rhou	3.14	7330410H16Rik	2.50
Tnk1	2.84	Cited4	2.37	Gstp2	2.97	Lad1	3.01	6330530A05Rik	2.87	scl0001276.1_18	3.13	2810017I02Rik	2.49
Kcnk5	2.83	Gstm2	2.37	Hist1h4i	2.97	Spr2d	3.01	AW212394	2.87	2310041H06Rik	3.12	8430432M10Rik	2.49
Roor1	2.83	Slc7a3	2.37	Pex7	2.96	Gis2	3.00	Cdca5	2.87	Wbscr5	3.12	C230070D10Rik	2.47
2810046M22Rik	2.82	Hist1h2bn	2.36	Plk1	2.96	Reep1	3.00	Kik7	2.87	4632428N05Rik	3.11	BC057079	2.46
Elavl2	2.82	Nr6a1	2.36	Socs3	2.96	Adam9	2.99	Nr6a1	2.87	F13a1	3.11	Exosc5	2.46
Spata13	2.82	Rab11fip5	2.36	Gale	2.95	2610528A11Rik	2.98	D030047M17Rik	2.86	4930572J05Rik	3.10	Gria	2.46
9930116P15Rik	2.81	Efemp2	2.35	H2afx	2.95	4933439C20Rik	2.98	Nppb	2.86	H2-Q2	3.10	Abcb7	2.45
Eomes	2.81	Stat1	2.35	Tspan7	2.94	Phtf2	2.98	Rab3d	2.86	H2-T10	3.10	Aldoa	2.45
Shmt1	2.81	Akr1c18	2.34	Pnma2	2.92	Tle4	2.98	Spata13	2.86	Psmb10	3.10	Fkbp11	2.45
1110012J17Rik	2.80	Rad52b	2.34	2700094K13Rik	2.91	Zscan10	2.98	Cd59a	2.85	2310046A06Rik	3.09	2310038D14Rik	2.44
7420416P09Rik	2.80	9130422H11Rik	2.33	Hist1h3b	2.91	9030013K10Rik	2.97	BC012256	2.84	Atp1b3	3.09	A830039B04Rik	2.44
Mrp15	2.79	Cyp1b1	2.33	Shmt1	2.91	Dctd	2.97	D030029J20Rik	2.84	Galg1t1	3.09	Slp	2.44
Sema4b	2.79	A830007P12Rik	2.32	2010004A03Rik	2.90	Chchd4	2.95	Flnb2	2.83	Nkd2	3.08	Zc3hdc6	2.44
4933405K07Rik	2.78	H2-T23	2.32	LOC386091	2.90	Pgd	2.95	Inhb	2.83	C230090D14	3.07	Mpeg1	2.43
Ecm1	2.78	Map4k1	2.32	Def6	2.89	2310020F24Rik	2.82	Adam9	2.82	Cd83	3.07	Mvp	2.43
Msrb2	2.78	Al450948	2.31	F11r	2.89	Eif3	2.94	Phlda2	2.82	Ifi35	3.07	Nspc1	2.43
Wnt8a	2.78	Zscan10	2.31	Myb2	2.89	Grt1	2.94	Spr11	2.82	Kng2	3.07	6330403M23Rik	2.42
2410015N17Rik	2.77	2310007F04Rik	2.30	Wasf1	2.89	2310045L10Rik	2.93	2410116G06Rik	2.81	Slic11a1	3.07	Chst8	2.42
2700097O09Rik	2.77	Akp2	2.30	Cdca2	2.88	LOC386405	2.93	AW060766	2.81	Blvrb	3.05	Cpt2	2.42
AJ237586	2.77	Aqp3	2.30	Phc1	2.88	Lox4	2.93	H2-BI	2.81	H2-L	3.05	E130307M08Rik	2.42
Echdc2	2.76	Gnptab	2.30	Sytl1	2.88	Mapt	2.93	Ppp1r1a	2.81	6430628O11Rik	3.03	E430030D02Rik	2.42
Gclm	2.76	Hk2	2.30	1110036O03Rik	2.87	Rras2	2.93	Gvin1	2.81	Ech1	3.03	Ech1	2.42
1810014F10Rik	2.74	2310009E04Rik	2.29	Ly6g6c	2.87	Txnd1	2.92	Mkrm1	2.80	Mglap	3.03	1700030K09Rik	2.41
5830412B09Rik	2.74	6330505N24Rik	2.29	Ugt1a10	2.87	A530089I17Rik	2.90	Rab11fip5	2.80	D230007K08Rik	3.02	2310006J04Rik	2.41
Ccne1	2.74	G3bp2	2.29	Adk	2.86	5530401J07Rik	2.89	Sh3tc1	2.80	LOC435565	3.02	Bcap29	2.41
Sic29a1	2.74	Trim25	2.29	Gsr	2.86	LOC381140	2.89	Agm	2.79	Selenbp1	3.00	Ecm1	2.41
Zfp219	2.74	0610007H07Rik	2.28	9930116P15Rik	2.85	Mscp	2.89	C330001N20Rik	2.79	Ecm1	2.99	Eif4b	2.41
Srr	2.73	A330066M24Rik	2.28	H2afx	2.85	Trap1	2.89	Evp1	2.79	Htatip2	2.99	Hemp1	2.41
Takrp	2.73	Anxa8	2.28	Isyna1	2.85	2210015K02Rik	2.88	Cst9	2.78	5430400N05Rik	2.98	Spry3	2.41
2410004A20Rik	2.72	BC00249169	2.28	Tk1	2.85	2700045K19Rik	2.88	Kcnk6	2.78	Fyb	2.98	Cdk5rap3	2.40
Punc	2.72	Ctsb	2.28	M32486	2.83	Gltp	2.88	2300002G24Rik	2.77	Gnptab	2.97	Chka	2.40
2810410M20Rik	2.70	Sdc2	2.28	Drr1	2.82	Gm592	2.88	5430432F15Rik	2.76	Selp1	2.97	LOC382127	2.40
C330019L16	2.70	Bid	2.27	LOC236262	2.82	Esam1	2.87	Coro1b	2.76	Zc3hdc1	2.97	Acadm	2.39
Rybp	2.70	C730026J16	2.27	Cdh1	2.81	Gch1	2.87	B230208J24Rik	2.75	5430435G22Rik	2.96	Gtbp2	2.39
Apoe	2.69	Csf1	2.27	1110021J02Rik	2.80	Cd59a	2.86	Ybx3	2.75	Evi2a	2.96	LOC385086	2.39
Cdca5	2.69	Glrx	2.27	Tcfap2c	2.80	Pik3	2.86	Mapk13	2.74	Hp	2.96	Ms4a6d	2.39
Mcm3	2.69	H2-gs17	2.27	Lrrc34	2.79	Pkl	2.85	Skap2	2.74	Gsdmdc1	2.95	Ndrg2	2.39
18S_rRNA_X00686_301	2.68	Laptm5	2.27	Lsm2	2.79	Tjp2	2.85	Timp3	2.74	Dip3b	2.94	1300017K07Rik	2.38
9230108M03Rik	2.68	LOC235480	2.27	Cd109	2.78	2700050C19Rik	2.78	2700050C19Rik	2.74	1700052O22Rik	2.92	Aldh3b1	2.38
Fem1b	2.68	Il11	2.26	Ptprv	2.78	9930017A07Rik	2.84	Fn1	2.73	AB124611	2.91	D1Ert161e	2.38
Triml1	2.68	C77080	2.25	4632404H22Rik	2.77	BC006933	2.84	Hoxa7	2.73	Abcb4	2.89	Evc2	2.38
5730410I19Rik	2.67	Krt1-14	2.25	A030007L17Rik	2.76	D7Ert156e	2.84	2310004E22Rik	2.72	Cd86	2.89	Npep1	2.38
AA467197	2.66	Npr2	2.25	Hagh	2.76	Sap30	2.84	2610001E17Rik	2.72	Dpp7	2.89	9530058B02Rik	2.36
Msc	2.66	Zic3	2.25	Sap30	2.76	Snai3	2.84	BC003277	2.72	Oas1g	2.89	Khk	2.36
L3mbtl2	2.65	Dppa4	2.24	Hist1h3a	2.75	Fyco1	2.83	BC019806	2.72	Gusb	2.88	Slic1a4	2.36
scl000179.1_19	2.64	Krt42	2.24	Krt1-18	2.75	Nudt4	2.83	Cln3	2.72	Ngfr	2.88	Dctd	2.35
Rassf3	2.63	C130081G24	2.23	Sic27a3	2.75	Zfp473	2.83	Pfkl	2.72	Pdk1	2.88	Slic11a1	2.35
2010204K13Rik	2.62	Gas6	2.23	Aurkb	2.74	5031412I06Rik	2.82	Aoah	2.71	2310005L22Rik	2.87	Sic25a28	2.35
Clstn3	2.62	Osmr	2.23	2400010D15Rik	2.73	miDNA_ND4L	2.73	Coxvib2	2.71	Cda	2.87	Hal	2.34
Ttf2	2.62	Pglyrp1	2.23	DXlmx50e	2.73	Bdh	2.80	Gmfq	2.71	Gpr73	2.87	LOC233080	2.34
2310010B21Rik	2.60	Ybx3	2.23	Nrn1	2.73	Ugt1a9	2.79	Mep1b	2.71	2610203C22Rik	2.86	MGC18837	2.34
4932441K18Rik	2.60	Abcb1b	2.22	Tek	2.73	Ai427138	2.78	DXlmx50e	2.70	C1s	2.86	Parvg	2.34
Eif3	2.60	Cpe	2.22	1110014J17Rik	2.72	Ccrn4l	2.78	LOC386192	2.70	Cst3	2.85	1110046J11Rik	2.33
1700028N11Rik	2.59	Dsg2	2.22	Eif2s2	2.72	Gprc5a	2.78	1110048D14Rik	2.69	Ube2l6	2.85	1110065D03Rik	2.33
LOC333190	2.59	lsgf3g	2.22	Prf1	2.72	Lrrc34	2.78	Abca3	2.69	A430107D22Rik	2.84	9030425E11Rik	2.33
Mta3	2.59	Pdgfa	2.22	Ckmt1	2.71	Sox2	2.78	Pif	2.69	Aoc3	2.84	C86302	2.33
1200006F02Rik	2.58	Snx10	2.22	Mmp3	2.71	Ai427122	2.77	Rassf3	2.69	Tgfb3	2.84	Coasy	2.33
2310007H09Rik	2.58	LOC245128	2.21	Scara5	2.71	Hsd3b7	2.77	Grina	2.68	Cebpb	2.81	Pfkm	2.33
Cu14b	2.58	Loh11cr2a	2.21	Sox18	2.71	D11Ert497e	2.76	Lrap1	2.68	Clec4n	2.81	Scar2	2.33
1700013H19Rik	2.57	Pmp	2.21	Cd59a	2.69	Helb	2.75	Fkbp5	2.67	Spp1	2.81	C130085D15Rik	2.32

2600005C20Rik	2.57	scI0001905.1_3	2.21	AlI18078	2.68	Mcm5	2.75	Txnrd1	2.67	I300017K07Rik	2.80	Ifftm1	2.32
A630042L21Rik	2.56	9630007J19Rik	2.20	BC048355	2.68	Mgst3	2.75	2310051E17Rik	2.66	Casp4	2.80	1810008K03Rik	2.30
AU018091	2.56	Eif2s2	2.68	Ef2s2	2.75	Tactd2	2.68	LOC380655	2.66	Cdc42ep2	2.80	6330416G13Rik	2.30
BC066140	2.56	4930500O09Rik	2.19	Pstpip1	2.68	Arhgef18	2.74	Mta3	2.66	CDKN2A_p16_Ink4a_136	2.80	Acvr2b	2.30
Socs3	2.56	7330410H16Rik	2.19	Stk32a	2.68	Gng13	2.74	2900078C09Rik	2.65	Irf1	2.80	Chd7	2.30
Trim25	2.56	Lamc2	2.19	C130032L16Rik	2.67	Mjrd1a	2.74	Slc12a8	2.65	scI0002617.1_582	2.80	Itpk1	2.30
3110013H01Rik	2.55	Pla1a	2.19	EG433180	2.67	Ris2	2.73	1190009E20Rik	2.64	2900054D09Rik	2.79	mt-Co2	2.30
4930572J05Rik	2.55	Sson	2.19	Pdk1	2.67	Chc1	2.72	Ampd3	2.64	AW551984	2.79	Tcea3	2.30
BC055324	2.55	Bst2	2.18	B3bp	2.66	Daf1	2.72	Hist1h2bc	2.64	Mfn9	2.79	1810032O08Rik	2.29
Impa2	2.55	Egfl4	2.18	Cdca7	2.66	2210412D01Rik	2.71	Lamp1	2.64	1810009M01Rik	2.78	Arhgap30	2.29
Zp3	2.55	LOC547343	2.18	Gbas	2.65	Arhgef16	2.71	LOC383619	2.64	Arhgap9	2.78	Arddc4	2.29
Ak4	2.54	Sgne1	2.18	S100a4	2.65	Gm2a	2.71	mtDNA_ND4L	2.63	1810073E21Rik	2.77	Ciu	2.29
Apex1	2.54	Tor3a	2.18	Srr	2.65	Pmm1	2.71	Saa1	2.63	Col14a1	2.77	Coq2	2.29
LOC329750	2.54	2300002G24Rik	2.17	Hoxa5	2.64	1810015A11Rik	2.70	Mapt	2.62	Lgi4	2.77	LOC195357	2.29
Dnaj6	2.53	Cxzc6	2.17	Lsm6	2.64	Dp111	2.70	2210011C24Rik	2.61	Hoxb6	2.75	Poli	2.29
Ml2	2.53	2900026A02Rik	2.16	Plekha6	2.64	Hectd1	2.70	Fbxo2	2.61	Csf2ra	2.74	Sfxn1	2.29
Plac8	2.53	Crtap	2.16	2310043N10Rik	2.63	Stk32a	2.70	6820428D13	2.60	Myd88	2.74	Tpi1	2.29
Rnaseh2a	2.53	Mta3	2.16	Al467606	2.63	Heatr1	2.69	Hap1	2.60	Olfm1	2.74	1110067B18Rik	2.28
Eed	2.52	Sulf1	2.16	Ccl9	2.63	Spire2	2.69	Mkl1	2.60	Piscr2	2.74	A230062G08Rik	2.28
F11r	2.52	Acp6	2.15	D19Ertld144e	2.63	4931431C02Rik	2.59	Atp10d	2.59	Rab32	2.74	Dync2l1	2.28
Hmox1	2.52	Gsc	2.15	Lad1	2.63	B4galnt4	2.68	Gpd2	2.59	Fes	2.73	LOC328526	2.28
Nte	2.52	Mmp23	2.15	Slc12a8	2.63	Frrs1	2.68	Car4	2.58	Psme1	2.73	Acp6	2.27
Tcfcp2l3	2.52	Fah	2.15	E2f2	2.62	Mybl2	2.68	Al427138	2.57	1700007G11Rik	2.72	D130017D19Rik	2.27
Wasf1	2.52	Ii	2.14	Mad2l1	2.62	Snx10	2.68	6330403M23Rik	2.56	Alhd3b3	2.72	Egfl4	2.27
Zxda	2.52	LOC240327	2.14	Mnd1	2.62	Ugt1a10	2.68	Serinc3	2.56	Cyp4v3	2.72	Fbn1	2.27
LOC245128	2.51	Pdlim2	2.14	Slc11a1	2.62	AA467197	2.67	9930116P15Rik	2.54	Erdr1	2.72	Lbp	2.27
2810004A10Rik	2.50	Sdfr2	2.14	AW212394	2.61	Ebp	2.67	Glox1d	2.54	Abi3	2.71	Mrp123	2.27
Rpa2	2.50	Sfn	2.14	CDKN2A_p16_Ink4a_136	2.61	Prss19	2.67	Lp1	2.54	Cldn11	2.71	Vegfa	2.27
Zcchc9	2.50	Ypel3	2.14	LOC242703	2.61	Trim25	2.67	Mybl1	2.54	Rpia	2.71	Ccl3	2.26
Ctbp2	2.49	2310016F22Rik	2.13	Ttra2a	2.61	9430023L20Rik	2.66	Akap12	2.53	Aldh2	2.70	2010315L10Rik	2.25
Phf17	2.49	Ctbb	2.13	Dmrtc2	2.60	BC060631	2.66	Ccnd1	2.53	C3	2.70	5730406M06Rik	2.25
Rad51	2.49	Pdk4	2.13	Krt20	2.60	Eno2	2.66	Eno2	2.52	Il18	2.70	Alq6	2.25
Trim28	2.49	Slitrk5	2.13	Popdc3	2.60	LOC245000	2.66	Ifi205	2.52	Acaa1	2.69	BC088983	2.25
Zfp97	2.49	Sox2	2.13	Angpt4	2.59	Wdr45	2.66	Rnase4	2.52	Ly9	2.69	Sap30	2.25
Zranb3	2.48	Spr2k	2.13	Wdr45	2.59	Konk1	2.65	Slc23a2	2.52	1200015N20Rik	2.68	scI000490.1_983	2.25
1810030A06Rik	2.47	AU018091	2.12	D9Erd280e	2.58	Upf1	2.65	Tspan32	2.52	Myo7a	2.68	1700027J05Rik	2.24
2010009J12Rik	2.47	H2-Q6	2.12	Egln3	2.58	Vax2	2.65	EG630499	2.51	Slc27a1	2.68	2310036D04Rik	2.24
Arddc4	2.47	Krt2-8	2.12	LOC268569	2.58	1110048D14Rik	2.64	Spp1	2.51	Tmem53	2.68	Dcp1b	2.24
Ndp52	2.47	6330403M23Rik	2.11	MGC58426	2.58	B230208J24Rik	2.64	Wnt7b	2.51	Trim30	2.68	LOC384525	2.24
Rhbd12	2.47	Adam9	2.11	Pnpo	2.58	Bhlhb2	2.64	4921530G04Rik	2.50	LOC231863	2.67	Sdfr2	2.24
1190002H09Rik	2.46	Cyp4v3	2.11	1700029F09Rik	2.57	Ccbl1	2.64	C23008212Rik	2.50	Arhgap4	2.66	1810026C22Rik	2.23
Bub1b	2.46	Mxd4	2.11	6030405A18Rik	2.57	2310006J04Rik	2.63	Dead2	2.49	Prodh	2.66	2700023E23Rik	2.23
Isoy1	2.46	Slc2a1	2.11	Arl4	2.57	Apod	2.63	Krt1-18	2.49	Ugt1a6a	2.66	Glxr	2.23
Abcb7	2.45	Sqrdl	2.11	Ppl	2.57	Gpt2	2.63	Phf2	2.49	6430559E15Rik	2.64	Helb	2.23
Dlymk	2.45		2.10	Sema4a	2.57	Spr1b	2.63	H2-gs17	2.47	D10Jhu81e	2.64	Ptprs	2.23
Edd1	2.45	Cbr2	2.10	Sostc3	2.57	Tcof1	2.63	scI0002617.1_582	2.47	Dhrs7	2.64	Vegfb	2.23
Lama5	2.45	En2	2.10	Vdrip	2.57	Usp1	2.63	Syn1	2.47	Rnf135	2.64	1700021C14Rik	2.22
Sod2	2.45	H6pd	2.10	9030013K10Rik	2.56	Zfp42	2.63	5730455O13Rik	2.46	Slc19a1	2.64	2610319H10Rik	2.22
1110005F07Rik	2.44	Hist1h2bk	2.10	Ada	2.56	BC034068	2.62	Plekha6	2.46	Stat1	2.64	9430008C03Rik	2.22
9630033F20Rik	2.44	Pkd2	2.10	Lmnb1	2.56	Irgm	2.62	2410008K03Rik	2.45	Tcirg1	2.63	A130070G01Rik	2.22
D130003B22Rik	2.44	Plekhh1	2.10	2700045K19Rik	2.55	3110013H01Rik	2.61	Al256711	2.44	Tnfsf13	2.63	B430104H02Rik	2.22
Dlg7	2.44	Pqlc3	2.10	Ccne1	2.55	Rai3	2.61	Trim25	2.44	2610041P08Rik	2.62	Lars	2.22
Gls2	2.44	Prg4	2.10	LOC381686	2.55	Ecsit	2.60	Gsta2	2.43	Csad	2.62	LOC433224	2.22
Krt1-17	2.44	0610037M15Rik	2.09	Pop5	2.55	Scamp1	2.60	scI00319622.1_241	2.43	Pla2g7	2.61	Aldh18a1	2.21
LOC384677	2.44	Leng9	2.09	Prss19	2.55	1110038O08Rik	2.59	B300075F07	2.42	scI0002507.1_236	2.60	B430110C06Rik	2.21
1810015A11Rik	2.43	Spr1l1	2.09	Card10	2.54	4930431L18Rik	2.59	Gjb3	2.42	Sfp1	2.60	LOC236359	2.21
Nipsnap1	2.43	Ltbp3	2.08	LOC240672	2.54	Alox5ap	2.59	Gsta1	2.42	H2-D1	2.59	Ly6e	2.21
Grhrp	2.42	Paopa	2.08	LOC242642	2.54	Cicf	2.59	Rab27a	2.42	Il10ra	2.59	Pik3cg	2.21
Gsr	2.42	Plec1	2.08	0610011F06Rik	2.53	Smarca5	2.59	Tcf15	2.42	8430432M10Rik	2.58	Slc38a2	2.21
Pcyt1b	2.42	Rassf5	2.08	Exosc7	2.53	LOC380705	2.58	Zbtb7	2.42	Cxcl5	2.58	0610037D15Rik	2.20
Slc2a1	2.42	Sema3f	2.08	Poidip2	2.53	Tap2	2.58	LOC277193	2.41	E130012A19Rik	2.58	2010110K16Rik	2.20
2410137M14Rik	2.41	Slc29a1	2.08	Tob1	2.53	A630001G21Rik	2.57	Wnt7a	2.41	Smarca2	2.58	4930553M18Rik	2.20
B230333C21Rik	2.41	Lhx1	2.07	9430010O03Rik	2.52	Ung	2.57	5730453H04Rik	2.40	Aif3	2.57	CDKN2A_p16_Ink4a_136	2.20
Fkbp4	2.41	1200002N14Rik	2.06	Aard	2.52	2310006E12Rik	2.56	9930017A07Rik	2.40	Gcs1	2.57	1190002H23Rik	2.19
Irf1	2.41	Aim2	2.06	Chka	2.52	D030056L22	2.56	Cox7a1	2.40	Gstm1	2.57	D030063E12	2.19
Tlcd1	2.41	Col1a2	2.06	Gltp	2.52	Itp1	2.56	LOC209203	2.40	Ech1	2.56	LOC56628	2.19
3632413B07Rik	2.40	Iih2	2.06	Hist1h4m	2.52	Cacybp	2.55	LOC239102	2.40	Tnfrsf8l2	2.56	Rasl11a	2.19
Ccnd1	2.40	Pbxip1	2.06	Lrpap1	2.52	Faf1	2.55	Ncl	2.39	1500012F01Rik	2.55	Tkt	2.19
Nvl	2.40	Pdcd1lg1	2.06	Plec3	2.52	C430004E15Rik	2.54	Rims2	2.39	LOC245676	2.55	Wdr34	2.19
Actf6a	2.39	Pkm2	2.06	scI00002073.1_13	2.52	C78212	2.54	D030056L22	2.52	Ogn	2.55	0610011F06Rik	2.18
BC060631	2.39	Twsg1	2.06	Nola2	2.51	Card12	2.54	Emp2	2.38	6330403M23Rik	2.54	Adck5	2.18
Gpr19	2.39	Acvr2b	2.05	2210412D01Rik	2.50	F11r	2.54	Syng2	2.38	LOC228730	2.54	D030056L22	2.18

Pmm1	2.39	Al481105	2.05	Hbb-y	2.50	Nalp6	2.54	BC006933	2.37	Zdhhc4	2.54	Igsf10	2.18
Rasd2	2.39	Hoxa7	2.05	Spata13	2.50	Tesc	2.54	BC018472	2.37	Dync2l1	2.53	LOC244710	2.18
Smarcad1	2.39	Hoxb7	2.05	8430436L14Rik	2.49	A630082K20Rik	2.53	Haghl	2.37	Frrs1	2.53	LOC547343	2.18
16S_rRNA_X00686_849	2.38	Il17rc	2.05	scl0003903.1_2	2.49	Fzr1	2.53	LOC380705	2.36	Gmp1	2.53	Nkd2	2.18
9230117N10Rik	2.38	Psmb10	2.05	Ard1	2.48	Hap1	2.53	1600005A01Rik	2.35	Gvin1	2.53	A130019A16Rik	2.17
Aoah	2.38	Ptp4a3	2.05	Glox1	2.48	A330089M16Rik	2.52	Abcb1b	2.35	Ppm2c	2.53	Al115600	2.17
Chchd4	2.38	S100a3	2.05	Chd7	2.47	M2	2.51	AJ237586	2.35	1110046J11Rik	2.52	Bcl2a1d	2.17
Gm1967	2.38	Fgf5	2.04	Ddit4l	2.47	Myst4	2.51	BC032203	2.35	1810044J04Rik	2.52	Dtx3	2.17
Ifitm1	2.38	Fyco1	2.04	LOC383619	2.46	Hk1	2.50	Sytl1	2.35	Oas2	2.52	Fahd1	2.17
Usp7	2.38	Hist1h2be	2.04	Snrpa1	2.46	2010323F13Rik	2.49	Trap1	2.35	scl0001356.1_58	2.52	Lhfp1	2.17
2810474O19Rik	2.37	Zfp42	2.04	Tmc6	2.46	B3gnt6	2.46	2700050C19Rik	2.34	5430427O19Rik	2.51	Nenf	2.17
Nup133	2.37	4930504E06Rik	2.03	BC0008103	2.45	Dnajia2	2.49	Crelf1	2.34	LOC209387	2.51	Sspn	2.17
Rad51c	2.37	AL024210	2.03	Cdca3	2.45	Lama5	2.49	Fbxo25	2.34	Mvp	2.51	Usp52	2.17
BC018472	2.36	Lox	2.03	Pitpn	2.45	Sh3bgrl2	2.49	Pdk1	2.34	Gpr88	2.50	A630082K20Rik	2.16
Ipmk	2.36	2010309L07Rik	2.02	1700019H03Rik	2.44	6330403M23Rik	2.48	Tpi1	2.34	Lgals3	2.50	AL033326	2.16
Jarid1b	2.36	Lin28	2.02	Cd14	2.44	D5Bwg0834e	2.48	BC033596	2.33	BC022145	2.49	Loh11cr2a	2.16
Plekha4	2.36	Man2b1	2.02	D5Bwg0834e	2.44	Tea3	2.48	C430004E15Rik	2.33	Bcap29	2.49	Ltbp3	2.16
Rpl21	2.36	Mmp2	2.02	Smpd13a	2.44	1110012M11Rik	2.47	Klf3	2.33	LOC381201	2.49	Plac8	2.16
Sytl1	2.36	Pitp	2.02	Tgm1	2.44	2410015N17Rik	2.47	Plekhl2	2.33	Sh3bp2	2.49	Rpl4	2.16
1190028F09	2.35	Tcn2	2.02	Fxyd6	2.43	Al481316	2.47	Ssx2ip	2.33	0710007G10Rik	2.48	Unc93b1	2.16
D10627	2.35	9330196J05Rik	2.01	Gls2	2.43	Qdpr	2.47	Txnip	2.33	Clec4a3	2.48	Vav1	2.16
Map4k1	2.35	Adra2a	2.01	Stk6	2.43	Zbtb32	2.47	2310047C17Rik	2.32	Nfix	2.48	1190009E12Rik	2.15
Myst4	2.35	B930075F07	2.01	Zscan10	2.42	Alox12b	2.46	Gfp2	2.32	Clec3f5	2.47	Emr1	2.15
Sap30	2.35	Ccnd2	2.01	9130213B05Rik	2.41	Krt20	2.46	4932443D16Rik	2.31	Psme2b	2.47	Gm347	2.15
Pml	2.34	Fbxo25	2.01	Dhx32	2.41	LOC239102	2.46	BC008155	2.31	Trex1	2.47	H2-D1	2.15
Slc40a1	2.34	Tcfap2c	2.01	Lenp9	2.41	2410116G06Rik	2.45	Cxxc6	2.31	C030002B11Rik	2.46	Pfkf	2.15
BC085271	2.33	BC049354	2.00	201010204K13Rik	2.40	5430419F02Rik	2.45	D7Ertld156e	2.31	Calml4	2.46	1300001I01Rik	2.14
Gmfg	2.33	Cpxm1	2.00	Sprr2d	2.40	5730406O18Rik	2.45	Epha2	2.31	Fcgr1	2.46	2610204M08Rik	2.14
Mphosph1	2.33	Hmgb211	2.00	Syng2	2.40	Nupr1	2.45	Gltf2h3	2.31	Mxra8	2.46	4632413C10Rik	2.14
Nasp	2.33	Itgb5	2.00	Ccnb1	2.39	Plekha3	2.45	Pmm1	2.31	Nenf	2.46	H2-gs17	2.14
Sin3a	2.33	LOC383619	2.00	Phox2a	2.39	Slc7a5	2.45	Snurf	2.31	Fbin1	2.45	H2-M3	2.14
Smpd13b	2.33	Nsf	2.00	Rnu65	2.39	2810025M15Rik	2.44	0610009F02Rik	2.30	P2rx4	2.45	Lrmp	2.14
ZBTB45	2.33	Psap	2.00	Slc7a3	2.39	Pak4	2.44	1110004P15Rik	2.30	D15Ertld405e	2.44	2010309L07Rik	2.13
Prrt5	2.32	Rtn1	2.00	Akp2	2.38	Unc84a	2.44	Arhgef18	2.30	Pappa2	2.44	Bid	2.13
2700084L22Rik	2.31	Spred1	2.00	BC034068	2.38	1700108L22Rik	2.43	Slk38l	2.30	Il13ra1	2.43	Gtbp3	2.13
Blm	2.31	Tle4	2.00	Tmpo	2.38	6530402F18Rik	2.43	2010005O13Rik	2.29	2210410E06Rik	2.42	Mmp17	2.13
Rpa1	2.31	Zfhx2	2.00	D03007L09Rik	2.37	C130035G06Rik	2.43	2610305D13Rik	2.29	AL024210	2.42	Shmt2	2.13
Rragd	2.31	2810410A03Rik	1.99	D10Ertld322e	2.37	Cdkn2a	2.43	Frrs1	2.29	Col15a1	2.42	2700007B13Rik	2.12
LOC380756	2.30	BC022224	1.99	Patf53	2.37	G3bp2	2.43	Rnf134	2.29	Lhfp12	2.42	Igsf4a	2.12
Bcl3	2.29	C430004E15Rik	1.99	Psmb10	2.37	Gababrbp	2.43	A330089M16Rik	2.28	S100a13	2.42	Man2b1	2.12
Fkbp5	2.29	Echdc2	1.99	1700029G01Rik	2.36	Htra1	2.43	Dscr112	2.28	Car13	2.41	mtDNA_ND5	2.12
Gcat	2.29	2310041H06Rik	1.98	2810418N01Rik	2.36	Tuft1	2.43	2410011O22Rik	2.27	Cxcl12	2.41	Pdpx	2.12
Tmem20	2.29	Gclm	1.98	Al428936	2.36	Isy1	2.42	4632401N01Rik	2.27	Dbp	2.41	Scp2	2.12
Bcas1	2.28	H2-M3	1.98	Oact1	2.36	Map2k1	2.42	Dnali1	2.27	Mme	2.41	2400009B08Rik	2.11
C86987	2.28	9530018I07Rik	1.97	Siat7d	2.36	2010005O13Rik	2.41	Slc28a1	2.27	1700020D05Rik	2.40	Adprt2	2.11
LOC328752	2.28	C1qtnf1	1.97	Slc7a7	2.36	Myl7	2.41	Tlr2	2.27	6330406L22Rik	2.40	Exosc7	2.11
LOC386218	2.28	Col18a1	1.97	Spin2	2.36	Trmt1	2.41	Vil2	2.27	Ebf2	2.40	Haghl	2.11
Med18	2.28	Gjb2	1.97	4930572J05Rik	2.35	Akr1b3	2.40	Cdk5rap3	2.26	1700021C14Rik	2.39	lfi202b	2.11
Trip12	2.28	Pon2	1.97	5031425E22Rik	2.35	Ecm1	2.40	Dnmt3l	2.26	4733401I05Rik	2.39	LOC381300	2.11
0610039J04Rik	2.27	7420416P09Rik	1.96	Ddx11	2.35	Fggs	2.40	Gnptab	2.26	Al481105	2.39	Ptn18	2.11
2410008B13Rik	2.27	Slc24a6	1.96	E430034L04Rik	2.35	Tnfrsf11	2.40	Jmjd2c	2.26	Tnfrsf1a	2.39	Rin2	2.11
Chek2	2.27	Spink3	1.96	LOC382215	2.35	Bmp8b	2.39	Rai3	2.26	Gprc5b	2.38	S100a4	2.11
Hrlp5	2.27	Abp1	1.95	scl0002449.1_77	2.35	Cnd1	2.39	1500003O03Rik	2.25	A630084D02Rik	2.37	1810013B01Rik	2.10
LOC239083	2.27	Chst1	1.95	Tsga2	2.35	Epb4.114b	2.39	9130422G05Rik	2.25	Lrnn3	2.37	5430435G22Rik	2.10
Poir2e	2.27	Pla2g1b	1.95	Aim1	2.34	Pcdh21	2.39	Gltp	2.25	Mxd4	2.37	9630032J03Rik	2.10
Tgm1	2.27	Vldlr	1.95	Ak4	2.34	Atad3a	2.38	Spire2	2.25	Gbp6	2.36	A930005G04Rik	2.10
Zswim1	2.27	Colm	1.94	Car12	2.34	Cdkl2	2.38	H2-T23	2.24	Pparg	2.36	Atp13a1	2.10
Ctcf	2.26	D030029J20Rik	1.94	Gbif	2.34	Dnajc5b	2.38	Lrp10	2.24	Slc29a1	2.36	D4Wsu114e	2.10
Daxx	2.26	Esd	1.94	Zxda	2.34	Mad2l2	2.38	Pald	2.24	Taz	2.36	Dpexp2	2.10
Hars2	2.26	Gsn	1.94	C86302	2.33	Zic3	2.38	Slc6a8	2.24	Gm114	2.35	G22p1	2.10
LOC385157	2.26	H2-Q2	2.33	Erf2b1	2.33	LOC56628	2.37	Vps54	2.24	Skap2	2.35	Gpi1	2.10
Sirt1	2.26	LOC381140	1.94	lap	2.33	Nola3	2.37	24101146L05Rik	2.22	2310005P05Rik	2.34	LOC384593	2.10
1700023F06Rik	2.25	Siat7d	1.94	Nusap1	2.33	Pfkp	2.37	Ap1p1	2.22	A930001D11Rik	2.34	Rassf4	2.10
1700030C10Rik	2.25	Tiam1	1.94	Slc24a6	2.33	Sgol2	2.37	D10Bwg0940e	2.22	Cxcl9	2.34	Rpia	2.10
D130058I21Rik	2.25	LOC245201	1.93	1110020C13Rik	2.32	2210410E06Rik	2.36	Daf1	2.22	Tsrc1	2.34	Stac2	2.10
Gbp2	2.25	Manba	1.93	Tuft1	2.32	Dnali1	2.36	E130107N23Rik	2.22	2310036D04Rik	2.33	1110007C02Rik	2.09
Hspea	2.25	Mkrm1	1.93	Zbtb32	2.32	Egln3	2.36	Egfl4	2.22	Arsa	2.33	5730407K14Rik	2.09
LOC385959	2.25	Polydom	1.93	2610012O22Rik	2.31	Etsrp71	2.36	mtDNA_COXII	2.22	D930010J01Rik	2.33	Abcb1b	2.09
Nefh	2.25	2310033F14Rik	1.92	8430401F14Rik	2.31	LOC381400	2.36	Pkp3	2.22	Dnmt3b	2.33	C33001715Rik	2.09
AA960558	2.24	Al875142	1.92	Centa1	2.31	Nrd1	2.32	Ris2	2.22	Ifitm3	2.33	Capp	2.09
Aebp1	2.24	Aim1	1.92	Clec3f8	2.31	2010012C16Rik	2.35	Tcte11	2.22	Kcnk13	2.33	D10Jhu81e	2.09
Bbs2	2.24	Guca1a	1.92	Krt2-6b	2.31	2900078C09Rik	2.35	Adfp	2.21	MGC18837	2.33	Emb	2.09

Ddx18	2.24	lkbkg	1.92	Myo1g	2.31	6330530A05Rik	2.35	Odz4	2.21	Nlgn2	2.33	Gpt2	2.09
ltgb7	2.24	Sema4b	1.92	Qdpr	2.31	Parp1	2.35	Birc7	2.20	Npepl1	2.33	LOC385461	2.09
LOC237877	2.24	1110007C02Rik	2.24	11810014F10Rik	2.30	1700112C13Rik	2.34	Gadd45a	2.20	BC023835	2.32	Lyp1a1	2.09
Poll	2.24	App	1.91	Atp6v1c2	2.30	LOC208748	2.34	Gprc5a	2.20	Bcl3	2.32	MAp19	2.09
2310004L02Rik	2.23	Cgnl1	1.91	Klf22	2.30	LOC639910	2.34	Helb	2.20	E230029F23Rik	2.32	Ogt	2.09
5730599I05Rik	2.23	Dysf	1.91	Rb1	2.30	Mom10	2.34	Scap	2.20	Pgcp	2.32	Rab28	2.09
lgbfp2	2.23	Fbxo2	1.91	Epha2	2.29	1700019H03Rik	2.33	Scd2	2.20	Dgat2	2.31	6030458C11Rik	2.08
Msh2	2.23	Gng13	1.91	Psmc3ip	2.29	2010317E24Rik	2.33	Zfx2	2.20	Gspl2	2.31	Capn6	2.08
Plvap	2.23	LOC381686	1.91	Anln	2.28	A230057G18Rik	2.33	9130011J04Rik	2.19	Pcdhb22	2.31	Cchcr1	2.08
6330579B17Rik	2.22	Lrp10	1.91	Klf2c	2.28	E2f4	2.33	Abcb7	2.19	2510004L01Rik	2.30	Gdf1	2.08
D14Ert449e	2.22	Mgll	1.91	Lbr	2.28	Hagh	2.33	Acbd4	2.19	7420404O03Rik	2.30	Grhpr	2.08
Ecsit	2.22	Apodd1	1.90	LOC381860	2.28	Zbtb7	2.33	Atp1a2	2.19	A730063M14Rik	2.30	1810057E01Rik	2.07
Egfl7	2.22	Eml1	1.90	Tmbim1	2.28	4930429O20Rik	2.32	Brms1	2.19	Chst10	2.30	A730063M14Rik	2.07
LOC381889	2.22	Hsd3b7	1.90	1110032N12Rik	2.27	9130404D14Rik	2.32	Ctcf	2.19	Clec5a	2.30	C030026E19Rik	2.07
Prelp	2.22	LOC235860	1.90	LOC245069	2.27	Centb1	2.32	F11r	2.19	G6pdx	2.30	Cd9	2.07
Top2a	2.22	Rabac1	1.90	Npm3	2.27	Myc	2.32	Psme4	2.19	Il6ra	2.30	Ddb2	2.07
Uchi3	2.22	Sepw1	1.90	Rhbd2	2.27	Sic2a1	2.32	Stk36	2.19	Mocs1	2.30	Fgf5	2.07
2210411K11Rik	2.21	Bcas3	1.89	2600005C20Rik	2.26	Al481500	2.31	6230416J20Rik	2.18	Polydom	2.30	Lars2	2.07
2410081M15Rik	2.21	C1qtnf5	1.89	2810017I02Rik	2.26	Kik11	2.31	9330134C04Rik	2.18	Ppqb	2.30	LOC245676	2.07
5830482G23Rik	2.21	Cebpb	1.89	Napsa	2.26	mt-Atp6	2.31	Aldh6a1	2.18	2510009E07Rik	2.29	Ppan	2.07
Cln3	2.21	LOC226691	1.89	S100a14	2.26	Tjp1	2.31	Sod2	2.18	Abcb7	2.29	Ppargc1b	2.07
Ephx2	2.21	Mtap6	1.89	Sncg	2.26	9330186A19Rik	2.30	Cacybp	2.17	Bckdha	2.29	Ptgsd2	2.07
M32486	2.21	Scotin	1.89	A330089M16Rik	2.25	Bex4	2.30	D12Ert647e	2.17	Egfl7	2.29	Rad52	2.07
Slc28a1	2.21	Slc5a5	1.89	Mboat2	2.25	Mki67	2.30	Gstm2	2.17	Lgals9	2.29	3632413B07Rik	2.06
Gpd2	2.20	Tdrd7	1.89	Plscr1	2.25	Plekhh1	2.30	H2-Q2	2.17	Mast3	2.29	E030007N04Rik	2.06
Lig1	2.20	BC034068	1.88	Pltp	2.25	Prg	2.30	Hoxb7	2.17	Npr2	2.29	Gusb	2.06
Lmnb1	2.20	Car4	1.88	Sdf2l1	2.25	Rabb6	2.30	Plekha3	2.17	Sepw1	2.29	LOC381739	2.06
Ncl	2.20	Card12	1.88	Slc35f2	2.25	Syn1	2.30	Tnfrsf13	2.17	3110001N18Rik	2.28	Pold4	2.06
Nudt11	2.20	Mmp13	1.88	Acadm	2.24	Tpi1	2.30	Aebp1	2.16	3110013H01Rik	2.28	Thbs2	2.06
Spr2a	2.20	Reep1	1.88	Hist1h1c	2.24	Ybx3	2.30	Gsdmdc1	2.16	Cerk	2.28	Trb	2.06
2010317E24Rik	2.19	Sqstm1	1.88	Hist1h4j	2.24	Zfx2	2.30	Zfp473	2.16	D630022O22Rik	2.28	Tsrc1	2.06
2410072D24Rik	2.19	Blvrb	1.87	Lmnb2	2.24	2310042N02Rik	2.29	5730406O18Rik	2.25	Eno2	2.28	1200015N20Rik	2.05
9330147J08Rik	2.19	Ceacam1	1.87	Pkl	2.24	Cdca5	2.29	Alad	2.15	Slc29a3	2.28	A130062D16Rik	2.05
D030047M17Rik	2.19	Hspa2	1.87	Rfc5	2.24	Sult2b1	2.29	Gpr120	2.15	2410001E19Rik	2.27	Al467484	2.05
Esam1	2.19	Thbs2	1.87	9628654_5	2.23	1300001I01Rik	2.28	Lrmp	2.15	A130092J06Rik	2.27	Bnip3l	2.05
Pglyrp1	2.19	1810015C04Rik	1.86	Brrn1	2.23	Edd1	2.28	Zscan10	2.15	A930005G04Rik	2.27	Foxa1	2.05
Sox16	2.19	2410011O22Rik	1.86	Chtf18	2.23	Rnf134	2.28	4930538D17Rik	2.14	AKap18	2.27	LOC380927	2.05
Acp6	2.18	2610305D13Rik	1.86	Clic3	2.23	Siatf7d	2.28	6330406L22Rik	2.14	AL033326	2.27	LOC386192	2.05
D5Bwg0834e	2.18	Aldh3a1	1.86	Hmbs	2.23	BC031601	2.27	9130210N20Rik	2.14	D130059O18Rik	2.27	Prosl	2.05
Skb1	2.18	Bhmt2	1.86	Ppil1	2.23	BC048355	2.27	C77080	2.14	Dhrs1	2.27	Wwp2	2.05
Zfp263	2.18	Cdh13	1.86	5033413D16Rik	2.22	Crip2	2.27	Krt1-16	2.14	Rac2	2.27	3830612M24	2.04
BC037006	2.17	Def6	1.86	9530027K23Rik	2.22	Cxadr	2.27	Sema4a	2.14	Smarca1	2.27	9330140K16Rik	2.04
Foxa3	2.17	Dgat2	1.86	Ehd4	2.22	H2-gs17	2.27	Suv420h2	2.14	Spata13	2.27	C730049P21	2.04
LOC232887	2.17	Gba	1.86	Gpx1	2.22	Recc1	2.27	2610528E23Rik	2.13	1200013B08Rik	2.26	LOC433182	2.04
Rpl29	2.17	Porcn	1.86	Hist1h4f	2.22	Sgne1	2.27	Apobec3	2.13	1300018P11Rik	2.26	Pygl	2.04
2610019I03Rik	2.16	Scmh1	1.86	Ppbb	2.22	Tgm2	2.27	BC002199	2.13	9030024J15Rik	2.26	Rcor1	2.04
Ddt	2.16	Ubg	1.86	Rfc4	2.22	Noc2l	2.26	Dkk3	2.13	Col6a2	2.26	Setd6	2.04
E430034L04Rik	2.16	2210404D11Rik	1.85	Tcea2	2.22	Pramel4	2.26	Kpnb1	2.13	Hhex	2.26	1110003O08Rik	2.03
Gnpda1	2.16	Arsa	1.85	1190005I06Rik	2.21	Rnut1	2.26	Mdm2	2.13	Tmed10	2.26	3110001N18Rik	2.03
LOC380860	2.16	Fez2	1.85	A630001G21Rik	2.21	AW060766	2.25	Nudt4	2.13	1810013B01Rik	2.25	A930027G11Rik	2.03
Ppbb	2.16	Ifi205	1.85	Hat1	2.21	Blvra	2.25	1300007L22Rik	2.12	6330404F12Rik	2.25	AY078069	2.03
Tiam1	2.16	Lama5	1.85	Hk2	2.21	Krt42	2.25	5830411K18Rik	2.12	Arhgef6	2.25	Bcl2a1b	2.03
UlK1	2.16	Mixl1	1.85	Ndufb8	2.21	3300001A09Rik	2.24	BC030476	2.12	BC003277	2.25	Csfr1	2.03
Wdr21	2.16	Podxl	1.85	Ppib	2.21	Exos4	2.24	C130027E04Rik	2.12	Rps6ka1	2.24	Ddx11	2.03
Ankr47	2.15	4930418P06Rik	1.84	Suv420h2	2.21	LOC234640	2.24	Dgka	2.12	2610305D13Rik	2.23	Emp2	2.03
Ash2l	2.15	Abhd4	1.84	2310042N02Rik	2.20	Polrm2	2.24	Dhrs7	2.12	C130099A20Rik	2.23	Fbxl6	2.03
BC025462	2.15	Ahsg	1.84	2310067E08Rik	2.20	Vi2	2.24	Gsta3	2.12	D15Ert4781e	2.23	Fdxr	2.03
C230098O21Rik	2.15	Arhgef19	1.84	2410080P20Rik	2.20	Wnt7b	2.24	Hist1h2bj	2.12	Srxp2	2.23	Gata2	2.03
Ddx21	2.15	Dscr1l2	1.84	Pla2g7	2.20	2610002D18Rik	2.23	ltp3	2.12	2010315L10Rik	2.22	Lrppa1	2.03
DXlmx50e	2.15	Grhpr	1.84	Rnf134	2.20	Aim2	2.23	Mif4gd	2.12	2410011O22Rik	2.22	Man2c1	2.03
Hook2	2.15	Iap	1.84	2610019F03Rik	2.19	Arm6	2.12	Tube6	2.19	Capn6	2.22	Pkm2	2.03
Pcsk1n	2.15	Igfbp2	1.84	Cxcl4	2.19	BC033596	2.23	B3gnt7	2.11	E030006K04Rik	2.22	Slc25a30	2.03
Ppan	2.15	Jmjd1a	1.84	Gdf3	2.19	C130027E04Rik	2.23	Gch1	2.11	Fth1	2.22	0610010I05Rik	2.02
C80913	2.14	Ociad2	1.84	Hba-a1	2.19	Gvin1	2.23	Ltpb4	2.11	2010003J03Rik	2.21	BC029169	2.02
Cenpp	2.14	P2rx4	1.84	Hmgn3	2.19	Trak1	2.23	1810030A06Rik	2.10	3110056O03Rik	2.21	Cln6	2.02
Gababrbp	2.14	Psme2b	1.84	Nsbp1	2.19	2010003J03Rik	2.22	2810025M15Rik	2.10	Al467606	2.21	D130059O18Rik	2.02
Ppm1g	2.14	Rin1	1.84	Pold2	2.19	2610029K21Rik	2.22	4732477C12Rik	2.10	E130102H24Rik	2.21	Diras1	2.02
Rnasen	2.14	Tnfrsf13	1.84	Skb1	2.19	5430432P15Rik	2.22	Arf3	2.10	LOC381683	2.21	Dp111	2.02
Tmem54	2.14	Tulp4	1.84	Sult4a1	2.19	Cpt2	2.22	Atr	2.10	Pald	2.21	Fgf2	2.02
Zfp281	2.14	Ank	1.83	1810010N17Rik	2.18	Fdxr	2.22	Lynx1	2.10	D19Ert4144e	2.20	Gadd45a	2.02
5730436H21Rik	2.13	Cyb5b3	1.83	6720463M24Rik	2.18	Nr6a1	2.22	Mphosph1	2.10	Diras1	2.20	Jak3	2.02
9030612K14Rik	2.13	Esam1	1.83	Bub1b	2.18	Spr1a	2.22	Ndr4g	2.10	Glt8d1	2.20	Slc1a5	2.02

D11Ert497e	2.13	Fth1	1.83	Pfc	2.18	Stk38l	2.22	Dppa4	2.09	Lip1	2.20	4930570C03Rik	2.01
Galt	2.13	Igf1bp3	1.83	2610002D18Rik	2.17	6820428D13	2.21	H2-Ke6	2.09	Rassf5	2.20	A730023M06Rik	2.01
Hmga1	2.13	Klf1b3	1.83	Acad9	2.17	Acad9	2.21	Syng3	2.09	Syng1	2.20	Dcl	2.01
5730547N13Rik	2.12	Ltbp1	1.83	F830009M01Rik	2.17	Bms1f	2.21	Alnak	2.08	Tnfrsf11a	2.20	Galk1	2.01
Col18a1	2.12	Pygl	1.83	Gja1	2.17	D430028G21Rik	2.21	C530044N13Rik	2.08	9430068D06Rik	2.19	Hmgcl	2.01
Heatr1	2.12	Shc1	1.83	Rgs16	2.17	D8Ert4365e	2.21	Fzr1f	2.08	BC030476	2.19	LOC383850	2.01
Liph	2.12	Trp53inp1	1.83	Sfrs5	2.17	Gcat	2.21	LOC381150	2.08	Car12	2.19	2610305D13Rik	2.00
LOC382127	2.12	2310036D22Rik	1.82	Abcc5	2.16	Isq20I2	2.21	Tst	2.19	Havcr2	2.19	4930470O13Rik	2.00
LOC386529	2.12	Fbp2	1.82	BC037034	2.16	Pecr	2.21	D11Ert497e	2.07	Helb	2.19	F830002E14Rik	2.00
Ugt11a10	2.12	Fcho1	1.82	Gemin6	2.16	Prdx1	2.21	D19Ert4703e	2.07	Lbp	2.19	Fbf1	2.00
Uhrf1	2.12	Gltp	1.82	Hes6	2.16	1190005P17Rik	2.20	Gli2	2.07	LOC329416	2.19	Gltscr2	2.00
Vangl1	2.12	Nfix	1.82	9930020B22Rik	2.15	Acbd4	2.20	Laptm5	2.07	Wdr34	2.19	Impdh2	2.00
2310022A10Rik	2.11	Sap30	1.82	Capn5	2.15	D030029J20Rik	2.20	Slc13a4	2.07	Abcd1	2.18	Pak3	2.00
2810422B04Rik	2.11	1110004P15Rik	1.81	Gsg2	2.15	LOC381150	2.20	2610033H07Rik	2.06	Ganc	2.18	Vars	2.00
D130083G05Rik	2.11	6330412F12Rik	2.11	Hist1h3d	1.81	Nt5c3	2.20	5031412I06Rik	2.06	lfftm1	2.18	2300009A05Rik	1.99
Ide	2.11	BC031353	1.81	Isy1	2.15	Rent1	2.20	9030612K14Rik	2.06	Pold4	2.18	A330103N21Rik	1.99
Ldh2	2.11	BC052040	1.81	LOC383897	2.15	Sh3d1B	2.20	9530081N05Rik	2.06	1810011H11Rik	2.17	Acy1	1.99
Lgals3bp	2.11	Capg	1.81	Rragb	2.15	Socs3	2.20	Cdkn2a	2.05	D4Bwg0951e	2.17	Agxt2I2	1.99
LOC269251	2.11	Col6a1	1.81	Arbp	2.14	2610034N24Rik	2.19	Cerk	2.06	Isyna1	2.17	Al450948	1.99
Rnf44	2.11	Glo1	1.81	Cdca8	2.14	Npm3-ps1	2.19	Hk1	2.05	Snal2	2.17	B230363H02Rik	1.99
Sox17	2.11	lds	1.81	Cmas	2.14	Prodh	2.19	Mmp13	2.06	1200006F02Rik	2.16	D15Ert405e	1.99
Timm8a1	2.11	lff35	1.81	Gm484	2.14	Ssbp4	2.19	Rras2	2.06	2310006J04Rik	2.16	E430030L01Rik	1.99
2610528A15Rik	2.10	lrx2	1.81	Msh6	2.14	4930538D17Rik	2.18	Csf1	2.05	Acy1	2.16	E430031D18Rik	1.99
2810037C14Rik	2.10	Lglh2	1.81	Stxbp2	2.14	Abcb7	2.18	Cyp4f13	2.05	lqce	2.16	Gtf2h3	1.99
Aptid1	2.10	Mfap5	1.81	Thop1	2.14	Zfp259	2.18	Ephx1	2.05	LOC433224	2.16	ldh2	1.99
Nola2	2.10	Ndp52	1.81	1110017L21Rik	2.13	5830411K18Rik	2.17	Gpx3	2.05	Mmp17	2.16	ll1ra1	1.99
Pik3cb	2.10	Nqo3a2	1.81	Acp6	2.13	Alhd6a1	2.17	Hdac6	2.05	Tap1	2.16	LOC384596	1.99
5033413D16Rik	2.09	Plac8	1.81	Aox3	2.13	AU040576	2.17	LOC328526	2.05	1200009O22Rik	2.15	Mocs1	1.99
BC031781	2.09	Plcg2	1.81	Ctbp2	2.13	Cd9	2.17	Ptk9l	2.05	2310036D22Rik	2.15	Myo1g	1.99
Pbef1	2.09	Sepr1	1.81	Etv4	2.13	sc000911.1_939	2.17	Slc5a7	2.05	Enpp2	2.15	Orc5l	1.99
Pola2	2.09	Tsga2	1.81	LOC219106	2.13	Ube2c	2.17	Tacr2	2.05	H2-Ke6	2.15	Suclg2	1.99
Sox15	2.09	1110061N23Rik	1.80	LOC381008	2.13	Wbscr21	2.17	Tmed10	2.05	Irak3	2.15	Atad3a	1.98
Zfp451	2.09	2310046K01Rik	1.80	1700018O18Rik	2.12	Dock9	2.16	Ung	2.05	Serpina3n	2.15	AU067695	1.98
5730593F17Rik	2.08	2900075A18Rik	1.80	Apobec1	2.12	Gsp2	2.12	Upp1	2.05	Vars2l	2.15	Cncl	1.98
AW060207	2.08	3110043J09Rik	1.80	Chst1	2.12	Mapkapk3	2.16	9430093I07Rik	2.04	Depdc6	2.14	D4Ert429e	1.98
B930075F07	2.08	9930020B22Rik	1.80	Deedd2	2.12	Osbp3	2.16	C130099A20Rik	2.04	Mcoln2	2.14	Fbxo2	1.98
Fgf4	2.08	Centd1	1.80	LOC386192	2.12	Wdr3	2.16	LOC243881	2.04	Plxnd1	2.14	Fth1	1.98
Ppif	2.08	Cln2	1.80	Mrp1f8	2.12	Arc	2.15	Nte	2.04	Slc37a1	2.14	Gstz1	1.98
Rad1	2.08	Ctsf	1.80	Npm3-ps1	2.12	BC030476	2.15	Sh3bgrl2	2.04	Thbs2	2.14	Hist1h4k	1.98
Tomm34	2.08	Cyp2s1	1.80	Rangap1	2.12	Ckmt1	2.15	Glo1	2.03	2010003O02Rik	2.13	Lcp1	1.98
Cdca3	2.07	Galt	1.80	Tcfcp2H1	2.12	Kpnb1	2.15	Hspa2	2.03	Aim1	2.13	Lgi4	1.98
Cmas	2.07	Glg1	1.80	2310007H09Rik	2.11	LOC216443	2.15	LOC381471	2.03	Cln3	2.13	Myo7a	1.98
D3Ert194e	2.07	Itp3	1.80	2310056P07Rik	2.11	LOC236262	2.15	Neu1	2.03	Coq2	2.13	Phf10	1.98
LOC230253	2.07	Nqo1	1.80	A030007D23Rik	2.11	Pkp1	2.15	Pip3ap	2.03	Dlx1	2.13	Pold1	1.98
Ncapd2	2.07	Serpinf1	1.80	Luc7l	2.11	Pla2g7	2.15	Tomm70a	2.03	Dscr112	2.13	Rpo-11	1.98
Rfwd3	2.07	Tcte1l	1.80	Sscca1	2.11	Plekha6	2.15	2010309L07Rik	2.02	Haghl	2.13	Scx	1.98
Usp36	2.07	Tgm2	1.80	Uhrf1	2.11	Tff2	2.15	6430702L12	2.02	Kcnn4	2.13	Slc25a39	1.98
2810046L04Rik	2.06	Wig1	1.80	2810003C17Rik	2.10	5730455O13Rik	2.14	Avp1f	2.02	1300006C06Rik	2.12	Top1mt	1.98
A530089A20Rik	2.06	4831437C03Rik	1.79	Abi3	2.10	AU020206	2.14	Ndufv1	2.02	1810046I24Rik	2.12	Txnrd2	1.98
AL024210	2.06	C030006K11Rik	1.79	C130090K23Rik	2.10	BC052040	2.14	Pik3	2.02	3830422K02Rik	2.12	0610039J04Rik	1.97
H2afv	2.06	Ddah1	1.79	C530044N13Rik	2.10	Lrp1	2.14	Rhbdl2	2.02	Cbr3	2.12	2810475A17Rik	1.97
Impdh2	2.06	Ghitm	1.79	D0Kist3	2.10	Mxi1	2.14	Smarca5	2.02	Dtx3	2.12	C3	1.97
LOC386078	2.06	Helb	1.79	Iggap2	2.10	Nos3as	2.14	Socs3	2.02	Fhod1	2.12	Glt25d1	1.97
Mcm7	2.06	LOC268934	1.79	Lig1	2.10	Rhbdl2	2.14	BC060631	2.01	Lst1	2.12	LOC232887	1.97
Pim3	2.06	Prrx2	1.79	Prepl	2.10	Testv1	2.14	Cat	2.01	Rbak	2.12	Mreg	1.97
Serpina3m	2.06	Slc10a3	1.79	Psama7	2.10	Uhrf1	2.10	Jmjd1a	2.01	2510048K03Rik	2.11	Psap	1.97
Snapc4	2.06	Ubc	1.79	2310051N18Rik	2.09	4930447P04Rik	2.13	LOC547343	2.01	Dpep2	2.11	Supt3h	1.97
Tor3a	2.06	9130422G05Rik	1.78	Groc2f	2.09	6330503K22Rik	2.13	Pramel4	2.11	H2-DMa	2.11	2410016O06Rik	1.96
Tsga2	2.06	AA467197	1.78	Liph	2.09	6330548O06Rik	2.13	Rpa1	2.01	Hfe	2.11	5430416N02Rik	1.96
Tuba4	2.06	Ctsh	1.78	Nodal	2.09	LOC228730	2.13	0610041B22Rik	2.00	Ifit2	2.11	Abcc3	1.96
Zfp459	2.06	D8Ert4354e	2.09	Orc6l	2.13	Mia3	2.09	1810015A11Rik	2.00	LOC382087	2.11	Cxcl5	1.96
AU067695	2.05	Qscn6	2.09	Pgam2	2.09	Neu1	2.13	Ctnna1	2.00	Map3k11	2.11	Gphn	1.96
Card4	2.05	Slc27a2	2.09	Skp2	2.17	Notch4	2.13	D19Ert4721e	2.00	Nagpa	2.11	Hlcs	1.96
Cdkn2a	2.05	Syng2	1.78	Socs2	2.09	2310007O11Rik	2.12	Dp11f	2.00	Pddc1	2.11	Tusc4	1.96
Chaf1b	2.05	Tap1	1.78	1110068E08Rik	2.08	2310079N02Rik	2.12	Phc1	2.00	1110059G02Rik	2.10	1190002F15Rik	1.95
Gstm1	2.05	Tnfrsf11a	1.78	1810014L12Rik	2.08	2610305D13Rik	2.12	Pbbp	2.00	4632413K17Rik	2.10	1700054E11Rik	1.95
Paip2	2.05	9626100_224_rc	1.77	C1qb	2.08	4921537D05Rik	2.12	Tff2	2.00	Ak4	2.10	4930455F23Rik	1.95
Tfam	2.05	E430033B07Rik	1.77	H60	2.12	2700084L06Rik	1.99	BC022224	1.99	BC022224	2.10	Atp10d	1.95
1110032N12Rik	2.04	4732458O05Rik	1.76	LOC230765	2.12	4930431L18Rik	1.99	Cryz	1.99	BC038881	2.10	BC038881	1.95
4930447P04Rik	2.04	5430433G21Rik	2.04	Mrp1l7	2.08	Evp1	2.12	Cd9	1.99	Dgkz	2.10	Bre	1.95
Bag4	2.04	6330407I18Rik	1.76	Ncaph	2.08	Fkbp5	2.12	Cdc42ep2	1.99	Exosc5	2.10	Ctss	1.95
Exosc2	2.04	Abca3	1.76	Rab27a	2.08	Mfn1	2.12	Hcn2	1.99	Gaa	2.10	LOC245201	1.95

Lgtn	2.04	Aqp1	1.76	Tcfap2a	2.08	Ovol2	2.12	LOC228730	1.99	Lyp1a3	2.10	Nek9	1.95
LOC381269	2.04	Gsr	1.76	Tinagl	2.08	Paics	2.12	mt-Atp6	1.99	Pfkl	2.10	Pim3	1.95
Mapkapk3	2.04	H2-T10	1.76	2610036L11Rik	2.07	Prkcz	2.12	Myst4	1.99	Ppp1r3c	2.10	Pkd2	1.95
Pgcp	2.04	Nox4	1.76	9530077C05Rik	2.07	Rab3d	2.12	Npr2	1.99	Rpl22	2.10	Syng1	1.95
5930412E23Rik	2.03	OTTMUSG00000010673	1.76	Acas2	2.07	1110004P15Rik	2.11	Prkcabp	1.99	Snapap	2.10	2610009I02Rik	1.94
6330403M23Rik	2.03	Pld3	1.76	Dtymk	2.07	2210411K11Rik	2.11	2010003J03Rik	1.98	1500032D16Rik	2.09	Agrn	1.94
8430401F14Rik	2.03	Pou6f1	1.76	Lygg6d	2.07	BC057079	2.11	Ap1p2	1.98	2610203E10Rik	2.09	E030020A01Rik	1.94
Aard	2.03	Pter	1.76	Rpp14	2.07	C77080	2.11	B230333C21Rik	1.98	9030625A04Rik	2.09	E130309L16Rik	1.94
BC003277	2.03	Tmc6	1.76	1500011K16Rik	2.06	Cbx7	2.11	C86302	1.98	A630006E02Rik	2.09	E330036I19Rik	1.94
D7Rp2e	2.03	Tnfrsf11b	1.76	2410001E19Rik	2.06	Coxvb2	2.11	Cyp2s1	1.98	Ltc4s	2.09	Guca1a	1.94
Dek	2.03	2310007H09Rik	1.75	6530402F18Rik	2.06	E030027L17	2.11	Dlg5	1.98	Siat7d	2.09	Igbb1	1.94
LOC385825	2.03	Adam15	1.75	Cenpl	2.06	Psmb10	2.11	Dock9	1.98	Silco2b1	2.09	5330431K02Rik	1.93
Mre11a	2.03	BC003277	1.75	D630044F24Rik	2.06	Rem2	2.11	Dpp7	1.98	Waspip	2.09	BC031353	1.93
scl000911.1_939	2.03	Bgn	1.75	Pgd	2.06	Tspan17	2.11	E2f4	1.98	1810049H13Rik	2.08	Cwf19l2	1.93
Suv420h2	2.03	Dhx32	1.75	Polr2h	2.06	2610206G21Rik	2.10	Gm592	1.98	Ada	2.08	Epb4.144b	1.93
Trp53inp1	2.03	Garnl4	1.75	Rpa2	2.06	E130107N23Rik	2.10	Mscp	1.98	Arg2	2.08	Gm169	1.93
2310051E17Rik	2.02	Gpd2	1.75	Ruvb1	2.06	Esrra	2.10	Rem2	1.98	Gdkn2c	2.08	Klhl6	1.93
Cse11	2.02	Nek9	1.75	2210015K02Rik	2.05	Hook2	2.10	Sap30	1.98	Gcnt1	2.08	Mcm6	1.93
E430030L01Rik	2.02	Prkr	1.75	2210408F11Rik	2.05	LOC383576	2.10	Tnrc9	1.98	Glxr	2.08	Parp1	1.93
Epha2	2.02	Sema7a	1.75	2310006E12Rik	2.05	Serpinb6a	2.10	1110055N21Rik	1.97	Gns	2.08	Peo1	1.93
Pnpla6	2.02	Serpina3n	1.75	C130020C07Rik	2.05	1110003O08Rik	2.09	9630007J19Rik	1.97	Hexb	2.08	Recq4	1.93
scl0002130.1_20	2.02	Sic39a13	1.75	Cd68	2.05	9330180L10Rik	2.09	Aadacl1	1.97	Il17rc	2.08	S100a13	1.93
scl0004166.1_8	2.02	Tgfb3	1.75	Dcamk12	2.05	Atp6v1a1	2.09	Esrra	1.97	Osmr	2.08	Selp1	1.93
Sic30a2	2.02	Yipf3	1.75	Notch4	2.05	B430110C06Rik	2.09	scl000911.1_939	1.97	Pdcd4	2.08	Zcchc7	1.93
Spats1	2.02	2310003P10Rik	1.74	1500016H10Rik	2.04	Bop1	2.09	Sh3gl2	1.97	Suv420h2	2.08	Zfp496	1.93
Wdr31	2.02	4933407N01Rik	1.74	1700010D01Rik	2.04	LOC328526	2.09	7330410H16Rik	1.96	Tmed3	2.08	2310069P03Rik	1.92
Akr1b3	2.01	Aes	1.74	Bnip3l	2.08	1500003O03Rik	2.08	8030451N04Rik	1.96	Al842788	2.08	Al842788	1.92
Dbx1	2.01	Glb1	1.74	G3bp2	2.04	2400010D15Rik	2.08	Aytl2	1.96	2310047C17Rik	2.07	AW491445	1.92
G22p1	2.01	Il1rf1	1.74	LOC230824	2.04	Aldoa	2.08	Dhx32	1.96	2410006H16Rik	2.07	Gemin4	1.92
Jmjd2c	2.01	Irgm	1.74	LOC329750	2.04	Fn1	2.08	LOC208963	1.96	A630082K20Rik	2.07	LOC381215	1.92
Pa2g4	2.01	Klf4	1.74	Mphosph1	2.04	Gnptab	2.08	Nqo1	1.96	BC006779	2.07	mtDNA_COXII	1.92
Smoc1	2.01	Ngfb	1.74	Nt5c3	2.04	Hcn2	2.08	Pkp1	1.96	C130086A10	2.07	Trem3	1.92
Supt16h	2.01	Tpst2	1.74	Rnaseh2a	2.04	LOC244710	2.08	Siat10	1.96	Dok2	2.07	1810015C04Rik	1.91
Tcof1	2.01	Tra1	1.74	2810437L13Rik	2.03	Syng2	2.08	Vars2	1.96	Mappbpj	2.07	9030408N13Rik	1.91
Utp14a	2.01	Uap111	1.74	4432409B16	2.03	Tcfcp211	2.08	Ywhag	1.96	Sic25a28	2.07	Adck1	1.91
2610019F03Rik	2.00	1700029G01Rik	1.73	6330406L22Rik	2.03	Cldn6	2.07	Al481500	1.95	1200014P03Rik	2.06	Anxa8	1.91
4930569K13Rik	2.00	2210411K11Rik	1.73	Col17a1	2.03	Depdc6	2.07	Aldh1a2	1.95	1700024G10Rik	2.06	BC031781	1.91
Cyp26a1	2.00	4933439C20Rik	1.73	Dsg2	2.03	Hspbap1	2.07	Arhgef5	1.95	5730406M06Rik	2.06	Bcl3	1.91
D030056L22	2.00	AW555464	1.73	Evpl	2.03	Tom7	2.07	B4galn1a	1.95	A130052C08Rik	2.06	Col18a1	1.91
Ddx11	2.00	C630013N10Rik	1.73	Tm4sf12	2.03	Tor3a	2.07	D030063E12	1.95	Acadm	2.06	Cyp4v3	1.91
Dscr2	2.00	Cdk5rap3	1.73	Trib2	2.03	Drctnnb1a	2.06	Ddah1	1.95	C530015C18	2.06	Ecsit	1.91
Fbxo2	2.00	Grn	1.73	Zfp330	2.03	Eif2b3	2.06	Gca	1.95	Ctsc	2.06	Fbxl20	1.91
Nola1	2.00	Sic35a2	1.73	2610019E17Rik	2.02	Eps8l2	2.06	Irgm	1.95	Gbp1	2.06	Gaa	1.91
Nos3as	2.00	Tgolin1	1.73	Cd151	2.02	Ftsj3	2.06	LOC381300	1.95	Lrpap1	2.06	Grccl0	1.91
Ppid	2.00	2210015K02Rik	1.72	Cox7a1	2.02	Gna15	2.06	LOC382896	1.95	Rbks	2.06	ldh3g	1.91
Rab27a	2.00	Aqp5	1.72	Echdc2	2.02	Lipn	2.06	Map3k6	1.95	Tmem20	2.06	LOC271041	1.91
Rbpms	2.00	Ddit4	1.72	LOC383576	2.02	LOC380756	2.06	Pkd2	1.95	Tspan17	2.06	Pappa2	1.91
2810417H13Rik	1.99	Eomes	1.72	Lsm7	2.02	scl0002617.1_582	2.06	Prosl	1.95	Xdh	2.06	Pold2	1.91
3110043J09Rik	1.99	Gzmd	1.72	Ostf1	2.02	A830039B04Rik	2.05	Prpf18	1.95	1110038B12Rik	2.05	Ptx3	1.91
Anxa11	1.99	LOC239102	1.72	Pla1a	2.02	Atp5a1	2.05	Rnf125	1.95	1810015C11Rik	2.05	Rxrb	1.91
Ccl8	1.99	Msh6	1.72	Rhot2	2.02	Epha2	2.05	Tfb1m	1.95	4930445K14Rik	2.05	scavenger receptor	1.91
Ltb	1.99	Pcdh21	1.72	Uchl1	2.02	LOC280487	2.05	2310047115Rik	1.94	Gamt	2.05	Tcigr1	1.91
Sic25a26	1.99	Pgd	1.72	1810009A15Rik	2.01	LOC386192	2.05	Ank	1.94	Gtl2	2.05	0610009O03Rik	1.90
9030407H20Rik	1.98	Stc1	1.72	3732413111Rik	2.01	Nubp2	2.05	D14Erttd668e	1.94	Nek9	2.05	1110038B12Rik	1.90
C430004E15Rik	1.98	Tapbp	1.72	Al847670	2.01	Ssx2ip	2.05	Osbpl11	1.94	0610007C21Rik	2.04	1200015E14Rik	1.90
D1Wsu40e	1.98	Tegt	1.72	LOC218482	2.01	Wasl	2.05	Pemt	1.94	9530058B02Rik	2.04	2610018O07Rik	1.90
Glxr1	1.98	Zc3hdc1	1.72	Pbk	2.01	2310047O13Rik	2.04	Plac8	1.94	Abcc4	2.04	2810026P18Rik	1.90
Gsg2	1.98	0610031J06Rik	1.71	Pigf	2.01	5730594E01Rik	2.04	Prdx1	1.94	AJ237586	2.04	4732479N06Rik	1.90
LOC381411	1.98	2310075E07Rik	1.71	Pramel4	2.01	A730063M14Rik	2.04	Rfx2	1.94	Irx1	2.04	5930412E23Rik	1.90
Mat2a	1.98	3632413B07Rik	1.71	Tyms	2.01	Arf3	2.04	Supt3h	1.94	Mpra	2.04	6030404G09Rik	1.90
Suz12	1.98	4732418C07Rik	1.71	Adsl	2.00	Dkl1	1.94	Zxda	1.94	2700084L06Rik	2.03	A930039N10Rik	1.90
2310007O11Rik	1.97	Acy3	1.71	B930041F14Rik	2.00	Glt2h3	2.04		1.93	9030607L17Rik	2.03	BC027342	1.90
2410078J06Rik	1.97	Al256711	1.71	Bxcd1	2.00	Ndr4	2.04	2210412D01Rik	1.93	Immp2l	2.03	D930038M13Rik	1.90
Fancm	1.97	Aldh6a1	1.71	Cox7c	2.00	Thop1	2.04	C130073F10Rik	1.93	Matn2	2.03	Eef2	1.90
Ftsj3	1.97	Car5b	1.71	D11Erttd497e	2.00	3300001G02Rik	2.03	A830007P12Rik	1.92	Prkcd	2.03	Mapk11p1	1.90
Fzd10	1.97	E430034L04Rik	1.71	LOC382020	2.00	9630007J19Rik	2.03	AA960558	1.92	Rgpr	2.03	Net1	1.90
LOC382010	1.97	G6pc3	1.71	Pfkc	2.00	AA409316	2.03	Apoc1	1.92	Sgpp1	2.03	Prss25	1.90
LOC385114	1.97	Gemin4	1.71	2310007D09Rik	1.99	Acas2	2.03	Camk2n1	1.92	Vkorc1	2.03	Sf3b3	1.90
Nrn1	1.97	Tmbim1	1.71	4930447P04Rik	1.99	Acp6	2.03	Wasl	1.92	2310031A18Rik	2.02	Siat10	1.90
Plekhh5	1.97	Tpi1	1.71	4930538D17Rik	1.99	Dscr1l2	2.03	1110006G06Rik	1.91	3632413B07Rik	2.02	4930521E07Rik	1.89
Psmb8	1.97	4632413K17Rik	1.70	Anp32a	1.99	Fbln2	2.03	Al467606	1.91	Rga	2.02	AJ237586	1.89
C230055K21Rik	1.96	9930116P15Rik	1.70	F630043A04Rik	1.99	LOC381686	2.03	Chst12	1.91	2810432D09Rik	2.01	Anp32a	1.89

E430027N06Rik	1.96	Arf3	1.70	Pdss1	1.99	Phc1	2.03	Lrrc34	1.91	Acadsb	2.01	Evi2a	1.89
Gcn5l2	1.96	Cck	1.70	Sema4b	1.99	Prkcabp	2.03	Prf1	1.91	Bsc1	2.01	Glx1	1.89
Icam1	1.96	Eno2	1.70	Tb13	1.99	Rpa1	2.03	Prune	1.91	Camk1	2.01	Hexdc	1.89
Ipas	1.96	Hist1h4k	1.70	Tcea3	1.99	O610041B22Rik	2.02	Reccl	1.91	Cdk5rap3	2.01	Leprel1	1.89
Krt1-23	1.96	Loxl4	1.70	Wbscr21	1.99	1110032A13Rik	2.02	Sh3glb2	1.91	Chd7	2.01	LOC228730	1.89
Pcna	1.96	Pla2g7	1.70	1110019J04Rik	1.99	9130011J04Rik	2.02	Tube4	1.91	Csk	2.01	Ly9	1.89
Ruvbl2	1.96	Slc2a6	1.70	2210411K11Rik	1.98	A630005A06Rik	2.02	Zfyve26	1.91	Fbxw17	2.01	Mknk1	1.89
Slc35f2	1.96	Sls8sia5	1.70	A730042J05Rik	1.98	Foxj2	2.02	6530402F18Rik	1.91	Fbxw4	2.01	Nme3	1.89
Tex9	1.96	1700023F06Rik	1.69	AcsI5	1.98	Grsf1	2.02	D330001F17Rik	1.90	LOC244710	2.01	Numa1	1.89
Trap1	1.96	1810037C20Rik	1.69	Areg	1.98	Nte	2.02	Nipsnap1	1.90	Pon3	2.01	sci000292.1_12	1.89
Zfxh2	1.96	4732435N03Rik	1.69	Bikik	1.98	Ppm1k	2.02	Scamp5	1.90	Trap1	2.01	Tlr7	1.89
2810439M11Rik	1.95	9130201F22Rik	1.69	Cops4	1.98	Slk	2.02	Sirt7	1.90	1810061M12Rik	2.00	Usp20	1.89
Adprt12	1.95	Cd81	1.69	Dbi	1.98	2700084L22Rik	2.01	Sort1	1.90	Aldh1l2	2.00	Zfp94	1.89
Atp5g2	1.95	D330001F17Rik	1.69	Ddit4	1.98	6530415H11Rik	2.01	6330404C01Rik	1.89	Coasy	2.00	2610033H07Rik	1.88
BC067068	1.95	Dyrk3	1.69	Insm1	1.98	Bcl3	2.01	6330503K22Rik	1.89	Irx2	2.00	4930538D17Rik	1.88
Blvrb	1.95	Gnpda2	1.69	LOC223594	1.98	Ephb4	2.01	Foxa3	1.89	Nme3	2.00	5730409G15Rik	1.88
D6Erdt365e	1.95	Hspb8	1.69	Msrb2	1.98	Lgt1	2.01	Hsp105	1.89	sci0002547.1_9	2.00	5730445O13Rik	1.88
Ddx20	1.95	Pigt	1.69	Rpo2tct1	1.98	Mast2	2.01	Smoc1	1.89	Tspo	2.00	9630007E23Rik	1.88
LOC216674	1.95	Srd5a2l1	1.69	Sfrs2	1.98	Skap2	2.01	Trak1	1.89	2010110K16Rik	1.99	Bmf	1.88
LOC432879	1.95	Tob1	1.69	Sfrs7	1.98	Strn3	2.01	Vegfa	1.89	3830612M24	1.99	Brp16	1.88
LOC545471	1.95	Wbp2	1.69	Tufm	1.98	2610031L17Rik	2.00	1110003P22Rik	1.88	AU020206	1.99	Car5b	1.88
Mmp10	1.95	2900006A08Rik	1.68	Uchl3	1.98	AW544865	2.00	2600013N14Rik	1.88	Bub1b	1.99	D630044F24Rik	1.88
Pgc	1.95	Bcl3	1.68	Actn2	1.97	Fbxo25	2.00	Cwf19l2	1.88	Cpxm1	1.99	D8Erdt354e	1.88
Psp1p	1.95	C330034C07Rik	1.68	Cd44	1.97	Krt2-6b	2.00	Dnaja2	1.88	Kctd2	1.99	Foxc1	1.88
Rangnrf	1.95	Chst7	1.68	Hhex	1.97	Limk1	2.00	Eppk1	1.88	LOC384836	1.99	Grn	1.88
2610207P08Rik	1.94	Gaa	1.68	Kcnk13	1.97	Lin54	2.00	Il11	1.88	Npc2	1.99	LOC100034251	1.88
BC088983	1.94	Lix1	1.68	Lemd1	1.97	LOC381300	2.00	LOC385699	1.88	Pcdh20	1.99	Ntrk3	1.88
Ckmt1	1.94	LOC239083	1.68	LOC271490	1.97	Mif4gd	2.00	Mcm10	1.88	Poi1	1.99	Rad52b	1.88
Cwf19l2	1.94	Pgm2	1.68	LOC331102	1.97	Ptma	2.00	Rnut1	1.88	Serpinf1	1.99	sci0002624.1_576	1.88
Hcph	1.94	Pon3	1.68	Nup85	1.97	Slc6a12	2.00	Snx16	1.88	2610003J06Rik	1.98	Tap2	1.88
Krtcap3	1.94	Ppm1k	1.68	Rcl1	1.97	Adrb2	1.99	Trim8	1.88	A730040I05Rik	1.98	Tia1	1.88
Sdad1	1.94	Ripk1	1.68	Ripk4	1.97	Bcor	1.99	9330180L10Rik	1.98	Dnase1l1	1.98	Wbscr21	1.88
C77370	1.93	Thsd6	1.68	2010323F13Rik	1.96	Bnip3l	1.99	Adam15	1.87	LOC215405	1.98	1810073G14Rik	1.87
C79407	1.93	1700007K13Rik	1.67	2610207P09Rik	1.96	Emp2	1.99	AU020206	1.87	Mx1	1.98	8030499H02Rik	1.87
Cdk5rap3	1.93	4930572J05Rik	1.67	3830430K15Rik	1.96	Irak3	1.99	BC036718	1.87	18S_rRNA_X00686_849	1.97	Agc1	1.87
Eil3	1.93	9630015D15Rik	1.67	Coq7	1.96	Man2b1	1.99	D11Bwg0434e	1.87	BC023892	1.97	Dvl1	1.87
Glo1	1.93	B3gnt6	1.67	Hoxa2	1.96	Serin3c	1.99	Fbxo21	1.87	Mgea6	1.97	Gpr65	1.87
Kcnk1	1.93	Bnip3l	1.67	Ilfid2	1.96	Snurf	1.99	Krtcap3	1.87	Rnf130	1.97	LOC386005	1.87
LOC226017	1.93	Cav1	1.67	LOC268934	1.96	Sl14	1.99	LOC382264	1.87	Sh3tc1	1.97	Ofml3	1.87
LOC333751	1.93	Col8a1	1.67	LOC381889	1.96	1500009L16Rik	1.98	Pabpc1	1.87	Tyki	1.97	Slc3a2	1.87
Nol8	1.93	D030051D21	1.67	Osbpl3	1.96	8030451N04Rik	1.98	Pcdh21	1.87	1110032A13Rik	1.96	Steap	1.87
Pde1b	1.93	Edd1	1.67	Rad54l	1.96	AJ237586	1.98	Rab1	1.87	2210419D22Rik	1.96	1500004A08Rik	1.86
Pold1	1.93	Lrmp	1.67	1500009L16Rik	1.96	B020018G12Rik	1.98	Sart1	1.87	5730406O18Rik	1.96	B230386D16Rik	1.86
Spc24	1.93	Myo7a	1.67	2310005E10Rik	1.95	Ddx21	1.98	sci000490.1_983	1.87	A130070G01Rik	1.96	C230075M21Rik	1.86
Tulp2	1.93	Scamp1	1.67	2700005K07Rik	1.95	LOC237877	1.98	1200006F02Rik	1.86	Agtr1a	1.96	Dnmt3b	1.86
Uchl5	1.93	Slc39a11	1.67	6330580J24Rik	1.95	Mospd3	1.98	Arhgap21	1.86	Al839920	1.96	LOC245000	1.86
Zf2	1.93	Tbc1d2b	1.67	Ddx3y	1.95	Park7	1.98	BC031601	1.86	BC005537	1.96	Map3k1	1.86
2310051N18Rik	1.92	Trim21	1.67	Exosc5	1.95	Plec1	1.98	Bdh	1.86	Chst3	1.96	Nol5a	1.86
AU016977	1.92	9130404D14Rik	1.66	H2afj	1.95	Scd1	1.98	Chc1	1.86	Fgf10	1.96	Rps3a	1.86
BC048355	1.92	95300081N05Rik	1.66	LOC384677	1.95	sci000490.1_983	1.98	D6Wsu176e	1.86	Skiv2l	1.96	Rsad1	1.86
Cad	1.92	Arl6ip5	1.66	Mrp1l2	1.95	Tpcn1	1.98	Incpn	1.86	Slitrk6	1.96	Sdad1	1.86
Cdca2	1.92	B230208J24Rik	1.66	Ndufb3	1.95	9030611O19Rik	1.97	Ilgal1	1.86	Ssbp4	1.96	Serhl	1.86
Cdx2	1.92	Daf1	1.66	Pcy12	1.95	Cat	1.97	Mgst1	1.86	1810037C20Rik	1.95	Sirt4	1.86
Chd4	1.92	Mgst1	1.66	Tomm22	1.97	Pkm2	1.97	Myadm	1.86	A830039N02Rik	1.95	Syng2	1.86
Exosc7	1.92	St6gal1	1.66	4930504E06Rik	1.94	Poir2e	1.97	sci0001849.1_2273	1.86	C030006K11Rik	1.95	Tmed10	1.86
Nif3l1	1.92	Tmed10	1.66	9330147J08Rik	1.94	Suv420h2	1.97	Trib1d2b	1.86	Cxcl10	1.95	Trim25	1.86
Pak1	1.92	2410116G06Rik	1.65	Chfr	1.94	Tpd52l2	1.97	Tribd	1.86	LOC230983	1.95	2810422J05Rik	1.85
Ppat	1.92	3632451O06Rik	1.65	E430027N06Rik	1.94	Tif2	1.94	Trib2	1.86	Trps1	1.95	5330414D10Rik	1.85
Ppp2r2d	1.92	9330175B01Rik	1.65	Eif2b5	1.94	1200009C21Rik	1.96	Uhrf1	1.86	Vegfb	1.95	6030458P06Rik	1.85
Sgol2	1.92	AI429612	1.65	Escoc2	1.94	1300003K24Rik	1.96	2310007O11Rik	1.85	1110003O08Rik	1.94	Cyp27a1	1.85
Sscca1	1.92	AI662250	1.65	Nte	1.94	2900026A02Rik	1.96	2010309L07Rik	1.85	5133400G04Rik	1.94	Hcls1	1.85
Supv3l1	1.92	Aldh3a2	1.65	Prodh	1.94	Bcas2	1.96	Acas2	1.85	Adam17	1.94	Hook2	1.85
Tex10	1.92	Atp6v0a1	1.65	Rdbp	1.94	Glo1	1.96	App	1.85	Bmp1	1.94	Kif21a	1.85
Timp2	1.92	BC036718	1.65	Sat1	1.94	Gtf2h1	1.96	Cln2	1.85	Cyp4f13	1.94	LOC234640	1.85
Zfp41	1.92	C530044N13Rik	1.65	Sfrs3	1.94	Inhbb	1.96	D4Erdt432e	1.85	Dcp1b	1.94	LOC237877	1.85
3230401101Rik	1.91	Ccl9	1.65	Spag7	1.94	Kpna3	1.96	E430027O22Rik	1.85	Fli1	1.94	LOC333830	1.85
AA408556	1.91	D11Erdt636e	1.65	Adfp	1.93	LOC382010	1.96	Mtmr1	1.85	Gpr34	1.94	LOC380888	1.85
Bteb1	1.91	EG243881	1.65	Btbd1	1.93	Nedd4l	1.96	Pgm2	1.85	Pdlim2	1.94	Mxi1	1.85
Cdk5rap1	1.91	LOC328015	1.65	Cern4l	1.93	Paox	1.96	1110037N09Rik	1.84	Pxmp4	1.94	Pgls	1.85
Frrs1	1.91	MGC18837	1.65	Depdc6	1.93	Rfx2	1.96	BC0866140	1.84	St6gal1	1.94	Pkm3	1.85
LOC385659	1.91	Nte	1.65	Eif4a1	1.93	Ar18b	1.95	Blvra	1.84	1600010D10Rik	1.93	Rheb1l	1.85
Mphosph6	1.91	Pcbd2	1.65	Golp2	1.93	Cwf19l2	1.95	Cd81	1.84	Gdnf	1.93	Usp3	1.85

Qdpr	1.91	Ppap2c	1.65	Pnpla6	1.93	F830002E14Rik	1.95	Clcn2	1.84	Neu1	1.93	0610009J05Rik	1.84
Setdb1	1.91	Prkcsb	1.65	Stard4	1.93	lftm1	1.95	Fcgrt	1.84	Pgm2	1.93	B230342M21Rik	1.84
Thop1	1.91	scf0002956.1_592	1.65	Tead4	1.93	Klra33	1.95	Klk6	1.84	Pink1	1.93	Cdkn2c	1.84
Ugt1a9	1.91	Skap2	1.65	0610007P06Rik	1.92	MTERF	1.95	Krt2-6b	1.84	Rab711	1.93	Cenpp	1.84
2310002F18Rik	1.90	Slc29a3	1.65	1110038O08Rik	1.92	Nup160	1.95	Nfe211	1.84	Serpine2	1.93	Clk2	1.84
2610528E23Rik	1.90	Adfp	1.64	633030A05Rik	1.92	Pdpx	1.95	S100a6	1.84	Sirt3	1.93	Ebpl	1.84
6030411K04Rik	1.90	AJ237586	1.64	A830007P12Rik	1.92	Pqjlc3	1.95	Txnkd13	1.84	2010309L07Rik	1.92	Gcat	1.84
6330530A05Rik	1.90	Appl1	1.64	Ftsj	1.94	1110006G06Rik	1.92	Vax2	1.84	2810455F06Rik	1.92	Gpr49	1.84
Agtrp	1.90	AW456874	1.64	Gpd2	1.92	1110018K11Rik	1.94	1200013B22Rik	1.83	8030467N07Rik	1.92	Gstp1	1.84
Axin2	1.90	D11Bwg0434e	1.64	Hist1h2ab	1.92	2410004L22Rik	1.94	2610511M17Rik	1.83	BC037034	1.92	LOC238943	1.84
C130020C07Rik	1.90	D7Ertid156e	1.64	Tubb4	1.92	9330187M14Rik	1.94	4930447P04Rik	1.83	Ccl3	1.92	LOC382087	1.84
Dhcr24	1.90	Dlg5	1.64	Ugt1a6a	1.92	Akap12	1.94	Acp6	1.83	Cdca7	1.92	LOC383775	1.84
Figl1	1.90	Galnt2	1.64	2310022K01Rik	1.91	Bid	1.94	Ada	1.83	E130307M08Rik	1.92	Mgl1	1.84
Glox1	1.90	Gm1967	1.64	Bat1a	1.91	Mccc1	1.94	B930045J24Rik	1.83	Efemp2	1.92	Npm3-ps1	1.84
Kctd6	1.90	Pace4	1.64	Cenpp	1.91	Nrip3	1.94	Ehd1	1.83	Ltbp3	1.92	Rasl12	1.84
Ly6a	1.90	Scamp2	1.64	Enpp1	1.91	Rab8b	1.94	Lama1	1.83	Npn1	1.92	Tbc1d2b	1.84
Nola3	1.90	Serpimb6a	1.64	Has2	1.91	Zfyve26	1.94	Man2b1	1.83	Uap111	1.92	Tens1	1.84
Psmc3ip	1.90	AU040576	1.63	Mrp134	1.91	1110032N12Rik	1.93	Mcp13	1.83	1110002B05Rik	1.91	1110014J17Rik	1.83
Smcx	1.90	B230312A22Rik	1.63	Nup43	1.91	2810475A17Rik	1.93	Pigq	1.83	1500032H18Rik	1.91	1110032N12Rik	1.83
Arrb2	1.89	Dap	1.63	Prkcabp	1.91	6230416J20Rik	1.93	Plek2	1.83	3830406C13Rik	1.91	2010001O09Rik	1.83
Calb2	1.89	Dok1	1.63	Sif1	1.91	AI606181	1.93	Sf3b2	1.83	A830007P12Rik	1.91	2810455F06Rik	1.83
Capn5	1.89	Extl3	1.63	2400009B11Rik	1.90	AK122209	1.93	2010313D22Rik	1.82	BC011468	1.91	Atr	1.83
Ddit4	1.89	Galg1	1.63	Ccdc5	1.90	Apitd1	1.92	2310036D22Rik	1.82	Clk4	1.91	C80913	1.83
LOC209405	1.89	Gja4	1.63	Clcn2	1.90	G431001I09Rik	1.93	2400003N08Rik	1.82	Grina	1.91	Cd52	1.83
LOC380665	1.89	Inhba	1.63	D2Bwg0891e	1.90	Osbp11	1.93	9830141K10Rik	1.82	Impa2	1.91	Cst3	1.83
LOC386021	1.89	Ly6e	1.63	Dusp4	1.90	Prpf8	1.93	Hectd1	1.82	Lyrm2	1.91	Eif2s3y	1.83
LOC386196	1.89	Mgmt	1.63	Hist1h3i	1.93	Smcr7l	1.93	Helz	1.82	3110018A08Rik	1.90	Mrops35	1.83
Mcm4	1.89	P2ny6	1.63	Pcolce2	1.90	Srr	1.93	Slc25a17	1.82	A230102O09Rik	1.90	Pbef1	1.83
Nup43	1.89	Rpl22	1.63	Pkp4	1.90	Upk1b	1.93	Tnfsf11	1.82	Bmf	1.90	Polg2	1.83
Polr3g	1.89	Sh3bgr13	1.63	Trim40	1.90	1200015E14Rik	1.92	Trp53mp1	1.82	Capp	1.90	Qtrt1	1.83
Porcn	1.89	Slc20a1	1.63	Uble1b	1.90	2310047115Rik	1.92	Zc3hdc1	1.82	Cdsn	1.90	Rccd1	1.83
Thg11	1.89	Zfp219	1.63	2610034N24Rik	1.89	Aof1	1.92	2610041P08Rik	1.81	D10Ertid610e	1.90	Ubp1	1.83
Wdr75	1.89	2210408F21Rik	1.62	9930023K05Rik	1.89	BC066140	1.92	Add3	1.81	Dio3	1.90	Zfp524	1.83
4432409B16	1.88	Abcb7	1.62	C130073O12Rik	1.89	Ddah1	1.92	Ahi1	1.82	Map3k1	1.90	0610009O20Rik	1.82
Adsl	1.88	Acbd4	1.62	Fpgs	1.89	Jmj2c	1.92	Akr1b3	1.81	Srd5a2l	1.90	2600009K23Rik	1.82
Chma9	1.88	AW212394	1.62	Gtf2h3	1.89	Lars	1.92	Alas1	1.81	Tspan32	1.90	2610014H22Rik	1.82
D111Wsu47e	1.88	C230060E24	1.62	Ivns1abp	1.89	Pik3c3	1.92	BC034068	1.81	1110004P21Rik	1.89	2610024N01Rik	1.82
Fn1	1.88	Cml3	1.62	LOC381947	1.89	Ramp3	1.92	C330008K14Rik	1.81	2310038D14Rik	1.89	2610301N02Rik	1.82
Gfp2	1.88	D030063E12	1.62	Ppa1	1.89	Rcl1	1.92	Cd8b	1.81	6720463L11Rik	1.89	AA960558	1.82
LOC380983	1.88	D1300017D19Rik	1.62	scf0001602.1_506	1.89	Rnase4	1.92	Chd7	1.81	9530090G24Rik	1.89	Ard1	1.82
Ly6g6e	1.88	Dgka	1.62	Usp1	1.89	Taf1c	1.92	Edd1	1.81	Adh1	1.89	Dhx32	1.82
Senp1	1.88	Ercc5	1.62	0610031G08Rik	1.88	Uaca	1.92	Extl3	1.81	Alh75142	1.89	LOC230983	1.82
Socs2	1.88	Esrb	1.62	4930429A22Rik	1.88	1110019J04Rik	1.91	Obbox6	1.81	Angpt4	1.89	LOC382061	1.82
Syng3	1.88	Fosl2	1.62	6030405A18	1.88	1810015C04Rik	1.91	Ostm1	1.81	BC052040	1.89	Pcsk4	1.82
Tens1	1.88	Gmfg	1.62	AI839920	1.88	Emilin2	1.91	Sgol2	1.81	Gm253	1.89	Pfc	1.82
9330175B01Rik	1.87	Krtdap	1.62	C77080	1.88	LOC231081	1.91	Slc29a1	1.81	H2-Q7	1.89	Ppid	1.82
A930009M04Rik	1.87	LOC195357	1.62	Dazap1	1.88	Smg7	1.91	1110012M11Rik	1.80	LOC383540	1.89	Skiv2l	1.82
Ahcy	1.87	Mapt	1.62	Dcps	1.88	Zfp692	1.91	5033403J15Rik	1.80	Nostrin	1.89	1200009C21Rik	1.81
AK122209	1.87	Myadm	1.62	Gstt3	1.88	1700021F05Rik	1.90	A030007L17Rik	1.80	Nspc1	1.89	Akr1e1	1.81
Cdc5l	1.87	Spg7	1.62	Map2k3	1.88	Arhgef5	1.90	Ak4	1.80	Pps	1.89	Atad1	1.81
Crif3	1.87	Synpo	1.62	Ppp19a	1.88	Atf1	1.90	BC038881	1.80	Rassf2	1.89	BC023835	1.81
D130071O13Rik	1.87	Tex19	1.62	scf00004059.1_11	1.88	BC088983	1.90	BC046418	1.80	Slc8a1	1.89	D0Kist3	1.81
Dbf4	1.87	Tmem176a	1.62	1810043M15Rik	1.87	C130099A20Rik	1.90	Eml3	1.80	Tmco4	1.89	Dok3	1.81
Dok2	1.87	Ugt1a6a	1.62	2400009B08Rik	1.87	Ctstn1	1.90	Foxj2	1.80	Tmem176a	1.89	E130102H24Rik	1.81
Fbln2	1.87	0610007N19Rik	1.61	Abhd14a	1.87	D17Wsu92e	1.90	Heart1	1.80	2310007H09Rik	1.88	G6pdx	1.81
Fgfbp1	1.87	1700012B18Rik	1.61	Ccdc53	1.87	Ddx39	1.90	LOC383125	1.80	A830039B04Rik	1.88	LOC384710	1.81
Nanos3	1.87	2310001G07Rik	1.61	Ccdc58	1.87	Dkk3	1.90	Plec1	1.80	C430004E15Rik	1.88	Rmnd1	1.81
Phf3	1.87	4832406C22	1.61	Clcn3	1.87	EG638695	1.90	Tnfrap2	1.80	E2f2	1.88	scf00002975.1_346	1.81
Psx1	1.87	AW146242	1.61	Fars2	1.87	MGC68323	1.90	Tulp4	1.80	Gtpbp2	1.88	Sfs14	1.81
Rad54l	1.87	Cst9	1.61	Fkbp11	1.87	Mrps34	1.90	1110031M08Rik	1.79	Keo4	1.88	Sirt3	1.81
Slc25a39	1.87	Fer1l3	1.61	Gnl3	1.87	mDNA_COXII	1.90	9130201F22Rik	1.79	LOC384596	1.88	Stard7	1.81
St6galnac2	1.87	Hist1h4j	1.61	Haghl	1.87	Rflf	1.79	Ann	1.79	LOC384710	1.88	Usp28	1.81
1190005I06Rik	1.86	Kctd1	1.61	Kfra17	1.87	4930485D02Rik	1.89	BC037034	1.79	LOC385461	1.88	1700021F05Rik	1.80
2310008H09Rik	1.86	LOC223672	1.61	LOC225897	1.87	9330185J12Rik	1.89	Calm5	1.79	Pigq	1.88	1700024K14Rik	1.80
6330414G02Rik	1.86	Msrb2	1.61	Pacs1	1.87	9628654_5	1.89	Cand10	1.79	S100a4	1.88	2410017P07Rik	1.80
AI428936	1.86	Slc25a17	1.61	Seps2	1.87	BC043118	1.89	Clic4	1.79	Scamp2	1.88	4432416O06Rik	1.80
LOC231663	1.86	Stat2	1.61	1810043H04Rik	1.86	Crmp1	1.89	Ctsb	1.79	scf0002883.1_98	1.88	6430510M02Rik	1.80
Lrpap1	1.86	1810027I20Rik	1.60	Add3	1.86	D730049H07Rik	1.89	D430028G21Rik	1.79	Syng2	1.88	Acaa1	1.80
Mcm6	1.86	4933426M11Rik	1.60	Atf1b	1.86	Etoh2d2	1.89	Dip3b	1.79	4933407N01Rik	1.87	AL024210	1.80
Pip3ap	1.86	A030007L17Rik	1.60	Atic	1.86	Kcnab2	1.89	E430033B07Rik	1.79	C130085D15Rik	1.87	Btbd14a	1.80
Pprc1	1.86	BC060631	1.60	BC019806	1.86	LOC207695	1.89	Eps8l2	1.79	Hars2	1.87	Cd86	1.80
Prkcabp	1.86	Cask	1.60	Fzr1	1.86	Mast3	1.89	Faim	1.79	Inpp5d	1.87	LOC214738	1.80

Rhpn2	1.86	Cpne2	1.60	G3bp	1.86	Phox2a	1.89	Map4k1	1.79	LOC626578	1.87	LOC385403	1.80	
Ruvbl1	1.86	Dmkn	1.60	Hist1h2ae	1.86	Slc25a16	1.89	Sbf1	1.79	Pts	1.87	Mpst	1.80	
1500041123Rik	1.85	Fzd10	1.60	Hoxa7	1.85	Tfb1m	1.89	Sif1	1.79	Sesn3	1.87	ORF61	1.80	
2010309J24Rik	1.85	Hcn2	1.60	Ncl	1.86	Tmc6	1.89	Spry3	1.79	Slc1a5	1.87	Phxr4	1.80	
4933439C20Rik	1.85	Irx5	1.60	Prps1	1.86	Was2	1.89	Traf6	1.79	Wbscr21	1.87	Rga	1.80	
5830468K18Rik	1.85	LOC385644	1.60	Tlr2	1.88	1810021J13Rik	1.88	4432411E13Rik	1.78	Zfp263	1.87	Slk	1.80	
C77080	1.85	Npc2	1.60	Tst	1.86	4632401N01Rik	1.88	6430524C05Rik	1.78	1700025K23Rik	1.86	Zfp263	1.80	
Dgka	1.85	P4ha3	1.60	185	5730409G15Rik	1.88	AS50082C11Rik	1.88	A130062D16Rik	1.78	A130062D16Rik	1.86	0710007G10Rik	1.79
Epha1	1.85	Ppgb	1.60	6330579B17Rik	1.85	Al663987	1.88	Abtb1	1.78	Arrdc4	1.86	1300018P11Rik	1.79	
Lmtk2	1.85	Rab3d	1.60	BC055324	1.85	BC018601	1.88	Aqp5	1.78	AW049604	1.86	2210418H06Rik	1.79	
Plekhh1	1.85	Tcfap2a	1.60	Cldn3	1.88	Cdk5rap3	1.88	Atad3a	1.78	Btg1	1.86	4933427D14Rik	1.79	
Rcl1	1.85	Ttc13	1.60	Creld1	1.85	Eif2s2	1.88	Fil1	1.78	Cd59a	1.86	Adck4	1.79	
Rnu3ip2	1.85	Wfs1	1.60	D12Erttd553e	1.85	Fem1b	1.88	Got1	1.78	LOC214738	1.86	Al851464	1.79	
Suhw2	1.85	4732477C12Rik	1.59	Dhps	1.85	Fkbp11	1.88	LOC218617	1.78	LOC383125	1.86	B930030B22Rik	1.79	
	1-Sep	1.84	4732495E13Rik	1.59	Dmrt2	1.85	Gtpbp3	1.88	Mcm4	1.78	LOC384677	1.86	C1qr1	1.79
2700094K13Rik	1.84	9130415E20Rik	1.59	Dtr	1.85	Hmgb1	1.88	Pgam1	1.78	sci0002624_1_576	1.86	Cad	1.79	
2810422J05Rik	1.84	AL033326	1.59	Gpr83	1.85	Il6ra	1.88	Pgcp	1.78	Serhl	1.86	Car11	1.79	
4930431L18Rik	1.84	Aldoa	1.59	Limk2	1.85	LOC383619	1.88	Smarca2	1.78	2310003H01Rik	1.85	Col6a3	1.79	
Al663987	1.84	C1rl	1.59	LOC229810	1.85	Mkrm1	1.88	1700083M11Rik	1.77	Aes	1.85	Cuedc2	1.79	
Atp5a1	1.84	Card4	1.59	Ly6f	1.85	Nup155	1.88	2900002G04Rik	1.77	B430110C06Rik	1.77	Dgk1	1.79	
Bcas2	1.84	Col6a3	1.59	Mcm3	1.85	Pygb	1.88	9330185J12Rik	1.77	Col1a2	1.85	E130306D19Rik	1.79	
Dedd2	1.84	Lamb2	1.59	Meox2	1.85	Spry3	1.88	Arid3a	1.77	Ifitm2	1.85	Foxd1	1.79	
Grsf1	1.84	LOC236262	1.59	Mgll	1.85	2310050B20Rik	1.87	Clasp1	1.77	Hist2h2bb	1.85	Hist2h2bb	1.79	
Incenp	1.84	Mnab	1.59	Mgst2	1.85	2310058A11Rik	1.87	Mcm5	1.77	Irga2b	1.85	Hmgb2l1	1.79	
Irak3	1.84	mtDNA_ND4L	1.59	Mrps28	1.85	2610024G14Rik	1.87	Morc3	1.85	Mopt	1.85	LOC219106	1.79	
Lyp1a1	1.84	Tmem45a	1.59	Ndufa4	1.85	Anln	1.87	Osbpl9	1.77	Pou6f1	1.85	LOC380665	1.79	
Piwil2	1.84	Vangl1	1.59	Tfdp1	1.85	Cog3	1.87	Pltp	1.77	Rgma	1.85	Rad50	1.79	
Rpl23	1.84	1810041M07Rik	1.58	Top2a	1.85	Dnchc1	1.87	Slc24a6	1.77	Tal1	1.85	sci0002540_1_6	1.79	
Sox13	1.84	2310046G15Rik	1.58	Tph1	1.85	Ethe1	1.87	Sqrl	1.77	Txnrd2	1.85	Xpot	1.79	
4930542G03Rik	1.83	2310047H23Rik	1.58	1200008O12Rik	1.84	Gnfr	1.87	Thbs2	1.77	0610009O03Rik	1.84	1110032A13Rik	1.79	
Aim2	1.83	BC032203	1.58	1810042K04Rik	1.84	LOC232887	1.87	Tpd52	1.77	0610040B10Rik	1.84	5031412I06Rik	1.78	
BC024969	1.83	BC051244	1.58	D030012E24Rik	1.84	Lyp1a2	1.87	Zadh2	1.77	2310039H08Rik	1.84	5730494N06Rik	1.78	
Ccnb1	1.83	D15Erttd405e	1.58	D2Erttd750e	1.84	Nrap	1.87	1110018G07Rik	1.76	AA968343	1.84	5830411K18Rik	1.78	
Cdc6	1.83	Dhrs8	1.58	Hmgcs1	1.84	Osbpl9	1.87	1110061N23Rik	1.76	BC033596	1.84	9530090G24Rik	1.78	
Cenph	1.83	Ephx2	1.58	KIF23	1.84	Ppp2r5a	1.87	2010002H18Rik	1.76	Cd47	1.84	A730094H17Rik	1.78	
Cstf1	1.83	Fmnl2	1.58	Pold1	1.84	Rps3a	1.87	4930572J05Rik	1.76	Ctla2b	1.84	Il1r1	1.78	
Fiz1	1.83	Foxh1	1.58	Rpp25	1.84	Tcf15	1.87	4930583H14Rik	1.76	Fcr3	1.84	lrz2	1.78	
Gadd45a	1.83	Gjb3	1.58	Ube2n	1.84	Tf1	1.87	Aff1	1.76	Gphn	1.84	ltp3	1.78	
Hfcf1	1.83	Gnpda1	1.58	Zc3hdc1	1.84	0610009F02Rik	1.86	BC065078	1.76	H2-T22	1.84	Lip1	1.78	
Lbr	1.83	Grsf1	1.58	1700041B20Rik	1.83	0610039J04Rik	1.86	Csf2ra	1.76	Lyp1a1	1.84	LOC215678	1.78	
Lmyc1	1.83	Haghl	1.58	2410011O22Rik	1.83	4931431L11Rik	1.86	D15Erttd621e	1.76	Osm	1.84	Luc7l	1.78	
Pxmp2	1.83	LOC215405	1.58	Alad	1.83	5730577G12Rik	1.86	Epb4_114a	1.76	Pkd2	1.84	Mcp1	1.78	
Setd6	1.83	LOC383295	1.58	Alox12b	1.83	Abcb1b	1.86	Kif21a	1.76	Tpi1	1.84	Mgea6	1.78	
Ubd	1.83	Plcd3	1.58	Anp32e	1.83	Agrr	1.86	Lmo2	1.76	Arhgef3	1.83	Mre11a	1.78	
Wdhd1	1.83	Pold4	1.58	BC012256	1.83	Ank	1.86	Mark2	1.76	Camta2	1.83	P4ha2	1.78	
2900002G04Rik	1.82	sci0002855_1_1056	1.82	Cox7a2	1.83	D4Wsu114e	1.86	Mrps34	1.76	Cot1	1.83	Rin1	1.78	
4921530G04Rik	1.82	Sec5l1	1.58	Glo1	1.83	D6Wsu176e	1.86	Myo5c	1.76	E03002610Rik	1.83	rp9	1.78	
D14Erttd231e	1.82	Slc41a2	1.58	LOC234882	1.83	Dpp7	1.86	Nos3as	1.76	Fbxo36	1.83	Sdh1	1.78	
Fntb	1.82	Spata6	1.58	Lrba	1.83	Got1	1.86	Plaur	1.76	LOC278188	1.83	2010002H18Rik	1.77	
Idi1	1.82	Tmed3	1.58	Nid2	1.83	L3mbtl2	1.86	Plekhm1	1.76	Nudt7	1.83	2010317E24Rik	1.77	
LOC268569	1.82	1110003E01Rik	1.57	Nit2	1.83	LOC234882	1.86	Psme2b	1.76	Paox	1.83	2610036C07Rik	1.77	
mtDNA_ND4L	1.82	1110013L07Rik	1.57	Snrpa	1.83	LOC236831	1.86	Rpl23	1.76	Plekhm1	1.83	2610041P08Rik	1.77	
Myst2	1.82	1200015A19Rik	1.57	Tyms-ps	1.83	Pip3ap	1.86	Slc25a28	1.76	Rad52	1.83	2810002N01Rik	1.77	
Pdxp	1.82	4932417I16Rik	1.57	Ckap2	1.82	Pla2g12a	1.86	Snap1	1.76	Slc27a6	1.83	9330147J08Rik	1.77	
Pltp	1.82	5730494N06Rik	1.57	Mapt	1.82	S100a13	1.86	Tegt	1.76	Thra	1.83	9830139D05Rik	1.77	
Prodh	1.82	Agpat2	1.57	Mta3	1.82	S100a4	1.86	Tm7sf3	1.76	1700023M03Rik	1.82	Ascc1	1.77	
Ptma	1.82	Arhgef3	1.57	Nipsnap1	1.82	S100a6	1.86	Tnfrsf22	1.76	4930538D17Rik	1.82	BC004636	1.77	
Rnf167	1.82	Atp6ap1	1.57	Ppat	1.82	Sirf1	1.86	1110037F02Rik	1.75	Ccrk	1.82	Blvr	1.77	
sci0004059_1_11	1.82	Bre	1.57	Rbm38	1.82	Usp24	1.86	9130422H11Rik	1.75	D16H22S680E	1.82	C130064E22Rik	1.77	
2410118I19Rik	1.81	Cst3	1.57	Rfc3	1.82	Vars2l	1.86	BC057079	1.75	DXImx40e	1.82	Ddx3y	1.77	
Coil	1.81	D730049H07Rik	1.82	Uchl5	1.82	1810014F10Rik	1.85	Capn1	1.75	Girx1	1.82	Dusp11	1.77	
D030012E24Rik	1.81	Epha2	1.57	15000031N17Rik	1.81	BC022224	1.85	Clic3	1.75	Gpr84	1.82	Galg1	1.77	
Dus3l	1.81	Fath	1.57	1810013D10Rik	1.81	BC066028	1.85	Cmtm8	1.75	Hexa	1.82	Narg2	1.77	
Eif2s2	1.81	Fv1	1.57	4930542G03Rik	1.81	Chtf18	1.85	D630040I23Rik	1.75	lsg20	1.82	Obfc1	1.77	
Eif4ebp2	1.81	Man2b2	1.57	Ak3	1.81	Clic3	1.85	Enpp4	1.75	Klra17	1.82	Pcca	1.77	
lsg2012	1.81	Nr1d1	1.57	B230333C21Rik	1.81	Eftud1	1.85	Etold2	1.75	Leprel2	1.82	Pdcd4	1.77	
Pga5	1.81	Nucb1	1.57	Banf1	1.81	Epb4_114a	1.85	Evi5	1.75	LOC241385	1.82	Serpinf1	1.77	
Prpf4	1.81	P4ha2	1.57	Etv1	1.81	Impdh2	1.85	Fem1b	1.75	LOC382127	1.82	1500032D16Rik	1.76	
Serbp1	1.81	P1xbn2	1.57	Hist1h2bf	1.81	LOC386244	1.85	Galn2	1.75	Prtm3	1.82	2010015P12Rik	1.76	
Stk4	1.81	Rab71l	1.57	Hmga1	1.81	Lynx1	1.85	Homer2	1.82	4732471D19Rik	1.82	4732471D19Rik	1.76	
Uap1	1.81	Scamp5	1.57	LOC219145	1.81	Mod1	1.85	Map3k11	1.75	Slc24a6	1.82	4932417I16Rik	1.76	
Usp37	1.81	Sdc4	1.57	LOC382063	1.81	Prhx	1.85	Mapk11	1.75	4931406C07Rik	1.81	5830468K18Rik	1.76	

4921532D18Rik	1.80	Sim2	1.57	Lsm3	1.81	scI0002694.1_23	1.85	Ppp1r9b	1.75	A630054L15Rik	1.81	9430015G10Rik	1.76
4930504E06Rik	1.80	Smarca2	1.57	Mif4gd	1.81	Smek1	1.85	Prnp	1.75	Ebf3	1.81	9430023B20Rik	1.76
6820406G21Rik	1.80	Tle6	1.57	Mme	1.81	9626953_2_rc	1.84	Rims3	1.75	LOC2891629	1.81	AW548124	1.76
9330107J05Rik	1.80	Vezf1	1.57	Phf2	1.81	Acac	1.84	Scamp2	1.75	LOC383850	1.81	BC017612	1.76
C330001N20Rik	1.80	1110037N09Rik	1.56	Rab8b	1.81	Al449441	1.84	Sscca1	1.75	Muted	1.81	BC048355	1.76
Hn11	1.80	1200006F02Rik	1.56	Rad1	1.81	Al838661	1.84	Six3	1.75	P2ry13	1.81	Etf4	1.76
LOC331507	1.80	Ak1	1.56	Ung	1.81	Akp2	1.84	Tkt	1.75	Penk1	1.81	LOC382058	1.76
LOC380874	1.80	Camta2	1.56	1500001M20Rik	1.80	AL022832	1.84	Vdac2	1.75	Plekhh1	1.81	LOC384801	1.76
LOC385877	1.80	D10Ucla1	1.56	2410018M08Rik	1.80	B930075F07	1.84	1300006C19Rik	1.74	Plscr4	1.81	Mto1	1.76
Pace4	1.80	Epb4.14a	1.56	2700097O09Rik	1.80	Bat8	1.84	2310042N02Rik	1.74	Prf1	1.81	Parp16	1.76
Phf5a	1.80	GlrX1	1.56	5730494J16Rik	1.80	BC042423	1.84	4930418P06Rik	1.74	Sh3bgr13	1.81	Pgpc	1.76
Plekha2	1.80	Htra1	1.56	9630007E23Rik	1.80	Dph2	1.84	9130404D14Rik	1.74	Sla	1.81	Smcx	1.76
Tkt	1.80	Lmo2	1.56	Adss	1.80	LOC380665	1.84	Al449441	1.74	Tm7sf1	1.81	Srrm2	1.76
Wdr3	1.80	LOC381142	1.56	Ars2	1.80	Lrp8	1.84	Aldh3a2	1.74	Zfyve26	1.81	1200014P03Rik	1.75
Zfp277	1.80	Mreg	1.56	BC017612	1.80	Pwmp2	1.84	BC020354	1.74	1810010N17Rik	1.80	2700024H10Rik	1.75
1110003E12Rik	1.79	Niban	1.56	H2-Ke6	1.80	Samd10	1.84	BC042423	1.74	2210410P13Rik	1.80	9130416N05Rik	1.75
5033403D15Rik	1.79	Nrp	1.56	Rangrf	1.80	Scap	1.84	D030026A21Rik	1.74	8430426K15Rik	1.80	Al314180	1.75
Al314976	1.79	Osbp12	1.56	Snrpg	1.80	Spta13	1.84	D19Bwvg1357e	1.74	A230062G08Rik	1.80	B930008G03Rik	1.75
C130034I18Rik	1.79	Slc25a20	1.56	Tnnt1	1.80	Spta6	1.84	Edg7	1.74	Arhgdib	1.80	BC021611	1.75
Cops8	1.79	Sox16	1.56	2010001H16Rik	1.79	1810012H11Rik	1.83	Etv1	1.74	BC008155	1.80	D030068L24Rik	1.75
Dgat2	1.79	Temt	1.56	2310045L10Rik	1.79	Ascc31	1.83	F730003H07Rik	1.74	BC035291	1.80	D10627	1.75
F630043A04Rik	1.79	1200007D18Rik	1.55	2610300B10Rik	1.79	LOC385825	1.83	Gaint11	1.74	Clk1	1.80	Eso2	1.75
Pim2	1.79	1500004A08Rik	1.55	3110043J09Rik	1.79	Myst2	1.83	Grem2	1.74	Cry1	1.80	LOC235860	1.75
Prune	1.79	4921505C17Rik	1.55	C79407	1.79	Nhlrc2	1.83	Inx3	1.74	Dio3as	1.80	LOC266459	1.75
Sae1	1.79	6030429G01Rik	1.55	Dscr2	1.79	Numa1	1.83	Itgb7	1.74	Eef2	1.80	LOC382628	1.75
Stip1	1.79	9030013K10Rik	1.55	Eef1e1	1.79	Ppat	1.83	LOC381297	1.74	Eml3	1.80	LOC384836	1.75
1110032A13Rik	1.78	BC031781	1.55	Eef2k	1.79	Pbbp	1.83	mt-Co2	1.74	Fgfr11	1.80	Nfix	1.75
2610009I02Rik	1.78	C230080I20Rik	1.55	Hars2	1.79	Ppfp18	1.83	Paics	1.74	Fkbp2	1.80	Nob1	1.75
2700045K19Rik	1.78	Ccl11	1.55	Hdac1	1.79	Rpo2tc1	1.83	scI0002883.1_98	1.74	Lamb2	1.80	P2rx4	1.75
Aggf1	1.78	D9Ertid280e	1.55	Hprt	1.79	Snrpf	1.83	Slc3a2	1.74	Ldb2	1.80	Pxmp4	1.75
Arhgef3	1.78	Defcr-rs2	1.55	Mns1	1.79	BC020354	1.82	Smg7	1.74	LOC382058	1.80	Rnf134	1.75
Hrsp12	1.78	Ebp	1.55	Mrps25	1.82	1810044O22Rik	1.82	1810044O22Rik	1.73	M32486	1.80	1110006G06Rik	1.74
LOC380625	1.78	Ece1	1.55	Mrps34	1.79	Plac8	1.82	2410001C21Rik	1.73	Pccb	1.80	9130223C08Rik	1.74
Rbm13	1.78	Gja1	1.55	Pop41	1.79	Nplpa6	1.82	4933405K07Rik	1.73	Rtp4	1.80	Angpt4	1.74
Rg9md1	1.78	Grb14	1.55	Plaur	1.79	Scamp5	1.82	9430068D06Rik	1.73	Scotin	1.80	Cerkl	1.74
Zfp330	1.78	Hspg2	1.55	Psors1c2	1.79	Sema4a	1.82	Bsyp	1.73	2310033P09Rik	1.79	D130026O16Rik	1.74
1110005A23Rik	1.77	Laptm4a	1.55	Tpd52I2	1.79	Tcte11	1.82	Cxd2	1.73	2810422M04Rik	1.79	D3Ertid194e	1.74
2410017P07Rik	1.77	Mybl2	1.55	Xrcc1	1.79	Tnfrsf22	1.82	D530030K12Rik	1.73	A130019A16Rik	1.79	Deadc1	1.74
2410022L05Rik	1.77	Nplpa1	1.55	1110030J09Rik	1.78	2010204I15Rik	1.81	Drr1	1.73	Bnip3l	1.79	Fxyd5	1.74
Aldh2	1.77	Pou3f1	1.55	5730547N13Rik	1.78	2610507B11Rik	1.81	Efemp2	1.73	C86302	1.79	Fyco1	1.74
B230113M03Rik	1.77	Prkwnk1	1.55	Arrdc3	1.78	3300001M20Rik	1.81	Fmnl2	1.73	Centa1	1.79	LOC207695	1.74
C030026E19Rik	1.77	Sec811	1.55	Camta1	1.78	B230333C21Rik	1.81	Icam1	1.73	D0Kist3	1.79	LOC235979	1.74
Eif2s3y	1.77	Selp	1.55	Cdc7	1.78	Cst9	1.81	Klk1b27	1.73	D930008G03Rik	1.79	Parn	1.74
Fcho1	1.77	Tex27	1.55	Daf1	1.78	Fgd6	1.81	Nik	1.73	Dab2	1.79	Pddc1	1.74
LOC386067	1.77	0710007G10Rik	1.54	E130C06D19Rik	1.78	Grina	1.81	Pglyrp1	1.73	Gngt2	1.79	Perq1	1.74
Mgmt	1.77	1110012J17Rik	1.54	Fcgr3	1.78	H2-K1	1.81	Pik3c3	1.73	LOC226652	1.79	Rac2	1.74
Mrp140	1.77	2700045K19Rik	1.54	Hist1h2bj	1.78	Hip1r	1.81	Prkwnk1	1.73	Man2c1	1.79	Rad1	1.74
Pnp	1.77	5430400N05Rik	1.54	LOC231081	1.78	Konn1	1.81	Serpina3h	1.73	Rhbd12	1.79	scI000179.1_19	1.74
2310046K01Rik	1.76	5730593N15Rik	1.54	Ranbp1	1.78	LOC380625	1.81	Sh3d1B	1.73	Sqrdl	1.79	Trim39	1.74
3110040D16Rik	1.76	A230102O09Rik	1.54	Rpl13a	1.78	LOC385201	1.81	Snx5	1.73	Traf1d1	1.79	Trmp2	1.74
4933406J07Rik	1.76	Al604832	1.54	Tomm7	1.78	Ppfp38b	1.81	Zbtb32	1.73	Wnt6	1.79	Whd11	1.74
9430038I01Rik	1.76	Akr1b8	1.54	Zfp326	1.78	Sf3b5	1.81	6530415H11Rik	1.72	Zhx1	1.79	1300018I05Rik	1.73
B130055D15Rik	1.76	B230333C21Rik	1.54	Zfp428	1.78	Smardc2	1.81	Aamp	1.72	18S_rRNA_X00686_301	1.78	2210419D22Rik	1.73
Eif2b4	1.76	Bex4	1.54	1810015A11Rik	1.77	Syng1	1.81	Al429612	1.72	B230342M21Rik	1.78	2310016C08Rik	1.73
Gst3	1.76	C730025P13Rik	1.54	2810422B04Rik	1.77	Timm8a1	1.81	BC022224	1.72	BC025206	1.78	2410008B13Rik	1.73
Isyna1	1.76	Cd9	1.54	5730543M03Rik	1.77	Vegfa	1.81	Ccrn4l	1.72	C230070D10Rik	1.78	2610024G14Rik	1.73
LOC234882	1.76	E030041M21Rik	1.54	5830411K18Rik	1.77	Zfml	1.81	Cxcl14	1.72	Cln6	1.78	4432409B16	1.73
Pole	1.76	Etv1	1.54	6030429G01Rik	1.77	2210013K02Rik	1.80	D12Ertid771e	1.72	Col4a5	1.78	4833425P12Rik	1.73
Rrn3	1.76	Fndc3b	1.54	9030611O19Rik	1.77	2810452K22Rik	1.80	Dbp	1.72	D1Ertid161e	1.78	4931431L11Rik	1.73
Sfpq	1.76	Krt1-17	1.54	9430023B20Rik	1.77	4932442L11Rik	1.80	Gylt1b	1.72	Gpr108	1.78	Atpi	1.73
Spred1	1.76	Punc	1.54	AA407270	1.77	Barx2	1.80	Il17rc	1.72	Il3ra	1.78	B230343A10Rik	1.73
Tcfe3	1.76	Rnase4	1.54	Al663987	1.77	C530044N13Rik	1.80	Mapkapk3	1.72	LOC380732	1.78	C77080	1.73
Uble1b	1.76	scI0000936.1_18	1.54	Apitd1	1.77	D12Ertid771e	1.80	Slc6a12	1.72	Man1a	1.78	Cd33	1.73
1700071K01Rik	1.75	Slc7a7	1.54	Apoe	1.77	Etf4	1.80	Tgm2	1.72	Mcee	1.78	Fcrl3	1.73
1700094G20Rik	1.75	Socs5	1.54	Btf3	1.77	Exosc5	1.80	Zdhhc12	1.78	Mknk1	1.78	lftm3	1.73
2410001E19Rik	1.75	Txnip	1.54	Cd59b	1.77	ipo8	1.80	2610204M08Rik	1.71	Prdx4	1.78	Il1tra2	1.73
5430432P15Rik	1.75	2310010G13Rik	1.53	Foxm1	1.77	LOC277837	1.80	3300001A09Rik	1.71	Rasa4	1.78	Incenp	1.73
8030451N04Rik	1.75	6330406I15Rik	1.53	Frrs1	1.77	Pkd2	1.80	4732418C07Rik	1.71	Rbm43	1.78	Mgat4b	1.73
Aqr	1.75	9030612K14Rik	1.53	G6pdx	1.77	Rab27a	1.80	5430419F02Rik	1.71	2400009B08Rik	1.77	Osgep	1.73
BC037674	1.75	Arf6ip1	1.53	Incenp	1.77	Rnaseh2a	1.80	6430510M02Rik	1.71	9030425E11Rik	1.77	Slc5a6	1.73
Bid	1.75	Bhlhb2	1.53	Nsun2	1.77	S100a1	1.80	Al427515	1.71	A730023M06Rik	1.77	1810037G04Rik	1.72
Brp16	1.75	Calu	1.53	Polr2e	1.77	2900002G04Rik	1.79	Aldoa	1.71	Adck5	1.77	9430068D06Rik	1.72

Car11	1.75	Car11	1.53	scl0002130.1_20	1.77	D530030K12Rik	1.79	Atp6v1e1	1.71	Agri	1.77	9630007J19Rik	1.72
G3bp	1.75	Cat	1.53	Sfxn1	1.77	Erf1	1.79	BC031353	1.71	Al115600	1.77	Artn	1.72
Irx3	1.75	Cd8b	1.53	Srm	1.77	Hlcs	1.79	Cdkl2	1.71	Aim2	1.77	BC003324	1.72
LOC215415	1.75	Dnal1	1.53	Wdr77	1.77	LOC380906	1.79	Cistn1	1.71	Alg6	1.77	Bcs11	1.72
LOC230983	1.75	Ganc	1.53	2410088K16Rik	1.76	LOC386021	1.79	Crip2	1.71	BC057079	1.77	C430026P20Rik	1.72
Mprl44	1.75	Glud1	1.53	425O18-1	1.76	LOC386078	1.79	DSErted579e	1.71	Col28a1	1.77	Ftsj3	1.72
Rnaseh1	1.75	Hk1	1.53	AI316787	1.76	Ppid	1.79	Hspbp1	1.71	D030063E12	1.77	Gart	1.72
Rnps1	1.75	LOC381739	1.53	Capg	1.76	Rpo1-1	1.79	Irf1	1.71	Ddh2	1.77	Gmds	1.72
2010003J03Rik	1.74	Plekhh2	1.53	Dnal1	1.76	Slc3a2	1.79	LOC239727	1.71	Ebp1	1.77	Icsbp1	1.72
2410012H22Rik	1.74	Pml	1.53	Figln1	1.76	1110037N09Rik	1.78	LOC268934	1.71	Gstz1	1.77	lft140	1.72
D0Kist3	1.74	Ptges	1.53	Fkbp4	1.76	2900054D09Rik	1.78	LOC385644	1.71	Hmgcl	1.77	LOC380623	1.72
Fbxl19	1.74	Rga	1.53	Galk1	1.76	5730446C15Rik	1.78	M6pr	1.71	ldh3g	1.77	LOC434197	1.72
Fgd1	1.74	Ripk2	1.53	Gart	1.76	Dhx9	1.78	scl00001.1_0_REVCOMP	1.71	LOC236932	1.77	Map4k1	1.72
Foxo1	1.74	Sgpp1	1.53	Gemin4	1.76	Dnaja3	1.78	Sec151	1.71	LOC384593	1.77	MGC68323	1.72
LOC386005	1.74	Snta1	1.53	Lgtn	1.76	H2-Q2	1.71	Srebp2	1.71	Ticam2	1.77	Set7	1.72
Man2b1	1.74	Zfx1a	1.53	LOC236469	1.76	LOC245201	1.78	Stx11	1.71	Vcam1	1.77	Vamp4	1.72
Morc3	1.74	1810013B01Rik	1.52	Narg1l	1.76	LOC384161	1.78	Toof1	1.71	Abcc3	1.76	1700034H14Rik	1.71
Nqo3a2	1.74	2510039O18Rik	1.52	Prmt5	1.76	M6pr	1.78	Thy1	1.71	BC020002	1.76	2010005O13Rik	1.71
Nubp2	1.74	2600002E23Rik	1.52	Tera-pending	1.76	Morc3	1.78	2210419D22Rik	1.70	C130023A14Rik	1.76	2310033P09Rik	1.71
Pigl	1.74	A630005A06Rik	1.52	1810044O22Rik	1.75	Ng23	1.78	2400010D15Rik	1.70	D17H6S56E-5	1.76	2410024A21Rik	1.71
Rif1	1.74	AI480653	1.52	2700029M09Rik	1.75	Pdzd8	1.78	3110078M01Rik	1.70	Evct2	1.76	4930429A22Rik	1.71
Suhw3	1.74	AI747699	1.52	2810417K24Rik	1.75	Pml	1.78	4930429O20Rik	1.70	F830002E14Rik	1.76	6430406H24Rik	1.71
Timeless	1.74	Anxa11	1.52	AI427122	1.75	Shmt1	1.78	5830411G16Rik	1.70	Gpr137b	1.76	A530062K18Rik	1.71
Zbtb9	1.74	Arhgdig	1.52	Bivra	1.75	Slc29a1	1.78	5830434P21Rik	1.70	Icam2	1.76	B930093C12Rik	1.71
1700007J06Rik	1.73	Arhgef18	1.52	Fus	1.75	Timp3	1.78	AI838661	1.70	Mgat4b	1.76	Bbc3	1.71
4930447F20Rik	1.73	Ccl2	1.52	Krt10	1.75	0610040O15Rik	1.77	Arhgap30	1.70	Pbef1	1.76	BC008155	1.71
9330112E13Rik	1.73	Cpn1	1.52	Krt7	1.75	1810073P09Rik	1.77	Bcl3	1.70	scl0003187.1_40	1.76	Gpsn2	1.71
AK122525	1.73	Ebp1	1.52	Lyplal1	1.75	2010305B15Rik	1.77	Bmp1	1.70	Slco2a1	1.76	LOC225058	1.71
Calmbp1	1.73	Fxyd5	1.52	Mgmt	1.75	2610020N02Rik	1.77	C130081G24	1.70	Tkt	1.76	LOC383330	1.71
Csnk2a1-rs3	1.73	Gabarap	1.52	Mreg	1.75	270049A03Rik	1.77	Ddc	1.70	Tpcn2	1.76	mtDNA_ND3	1.71
D12Erd7e	1.73	Gata2	1.52	Pdcd10	1.75	5033403J15Rik	1.77	Fth1	1.70	4631423F02Rik	1.75	Pdlim4	1.71
Dp111	1.73	gi_6679936_ref_NM_00808	1.52	Pnp	1.75	C130020C07Rik	1.77	Hist1h2bf	1.70	4732435N03Rik	1.75	Sh3bp2	1.71
Eppb9	1.73	Gpc1	1.52	Slc2a6	1.75	C77032	1.77	Kirac33	1.70	C130038G02Rik	1.75	Uaca	1.71
Gtf2h4	1.73	H13	1.52	St14	1.75	Egfl4	1.77	Lbr	1.70	C230075L19Rik	1.75	1110035L05Rik	1.70
Hspcb	1.73	H2-T9	1.52	Stoml2	1.75	Gemin4	1.77	LOC216443	1.70	Egfl4	1.75	2610002D18Rik	1.70
Nrarp	1.73	Lamp1	1.52	Trnt1	1.75	Gfm	1.77	Mki67	1.70	Fyco1	1.75	2610528A15Rik	1.70
scl0002540.1_6	1.73	Lgals3	1.52	Znhit3	1.75	Hmgal1	1.77	mt-Nd1	1.70	Hdac5	1.75	3000003F02Rik	1.70
Tekt1	1.73	Mmp24	1.52	0610039J04Rik	1.74	LOC385877	1.77	Niban	1.70	Igfsf10	1.75	4833420N02Rik	1.70
Tspan17	1.73	Mnd1	1.52	2310045B01Rik	1.74	Mphosph1	1.77	Nupr1	1.70	Mapkapk3	1.75	Azi1	1.70
1110003P22Rik	1.72	Mt2	1.52	2610024N01Rik	1.74	Myo18a	1.77	Pqlc3	1.70	NFI-X3	1.75	Cln3	1.70
1700022C21Rik	1.72	Pcolce	1.52	Dusp6	1.74	Pabpc1	1.77	Stk2	1.70	Pgk1	1.75	Cik4	1.70
1700123J19Rik	1.72	Prkar1b	1.52	EG237009	1.74	Prf1	1.77	Timp2	1.70	Ppp1r9b	1.75	Cyp4f13	1.70
3830431G21Rik	1.72	Ptfr	1.52	Hrb	1.74	Prx	1.77	1110032N12Rik	1.69	scl0003799.1_2	1.75	Foxq1	1.70
4933424B01Rik	1.72	Tgm1	1.52	Ifit2	1.74	Rpl23	1.77	1300003K24Rik	1.69	Slc38a2	1.75	Gpr137b	1.70
9330134C04Rik	1.72	Tm4sf3	1.52	Krt1-12	1.74	Slc39a4	1.77	2210008H11Rik	1.69	Slc44a1	1.75	Heatr1	1.70
A430005L14Rik	1.72	Tubg2	1.52	Mina	1.74	Sgrd1	1.77	5730446C15Rik	1.69	Sox9	1.75	Ide	1.70
AI527266	1.72	1190009E20Rik	1.51	Mprl44	1.74	Thbd	1.77	A930005G04Rik	1.69	Trem3	1.75	Lcn2	1.70
Angpt4	1.72	2210013O21Rik	1.51	mt-Nd5	1.74	Zfp64	1.77	BC023754	1.69	Zfp524	1.75	Ldh1	1.70
BC030867	1.72	3110050N22Rik	1.51	Rab25	1.74	1110037F02Rik	1.76	DOKist3	1.69	1190002H23Rik	1.74	Mcm5	1.70
Ddx58	1.72	4930583H14Rik	1.51	S100a16	1.74	2010002H18Rik	1.76	Gcc2	1.69	1700012B18Rik	1.74	Npm3	1.70
En2	1.72	9530027K23Rik	1.51	scl0003998.1_329	1.74	2610511M17Rik	1.76	Guca1a	1.69	A930025D01Rik	1.74	Rassf5	1.70
Fcgrt	1.72	A4300089M16Rik	1.51	Snora65	1.74	3110040D16Rik	1.76	Hist1h2bn	1.69	AI662250	1.74	scl0001987.1_16	1.70
Frat2	1.72	BC023754	1.51	Tyropb	1.74	4930556P03Rik	1.76	Ipo13	1.69	BC066140	1.74	scl0002337.1_39	1.70
Grc2f	1.72	Ccl7	1.51	2310033P09Rik	1.73	7330410H16Rik	1.76	Itpr1	1.69	Ccng2	1.74	Setdb1	1.70
Gtpbp6	1.72	E130107N23Rik	1.51	2700094L05Rik	1.73	Ankrd10	1.76	Mocos	1.69	Chk6	1.74	Tm7sf1	1.70
Kpnb1	1.72	Emp1	1.51	3300001G02Rik	1.73	C79407	1.76	Noc2l	1.74	Gp49a	1.74	1700034E13Rik	1.69
LOC239102	1.72	F11r	1.51	Asl	1.73	Cd8b	1.76	Ostf1	1.69	LOC234640	1.74	2310003H01Rik	1.69
Ocil	1.72	Gna11	1.51	Ccl12	1.73	Chd7	1.76	Rad54l	1.69	LOC328526	1.74	2310008H04Rik	1.69
Seh1l	1.72	Hist1h4a	1.51	Dhrx	1.73	Ctsl	1.76	Sprr1b	1.69	Pet112l	1.74	2410011O22Rik	1.69
Slc11a1	1.72	Igfals	1.51	Gcn5l2	1.73	Emi3	1.76	Steap2	1.69	Rps6kl1	1.74	2810403A07Rik	1.69
Slc24a6	1.72	Lace1	1.51	Ifitm6	1.73	Gpr125	1.76	Vps53	1.69	Slc6a12	1.74	Acbd4	1.69
Smcr7l	1.72	LOC224163	1.51	Lrdd	1.73	Gsdmcd1	1.68	Abca7	1.68	Zdhhc21	1.74	AI481316	1.69
Thumpd3	1.72	LOC382127	1.51	Lsm4	1.73	Lrpap1	1.76	AI663987	1.68	1300018I05Rik	1.73	Arhgap22	1.69
2400007A17Rik	1.71	LOC626578	1.51	Mcm7	1.73	Lsm4	1.76	Apeh	1.68	1810059G22Rik	1.73	Bcor	1.69
3930402F13Rik	1.71	Map1lc3b	1.51	Mvd	1.73	Mgea6	1.76	Bklk1	1.68	Bcl2l11	1.73	C130099A20Rik	1.69
8430415E04Rik	1.71	Nenf	1.51	Ppp5c	1.73	Nle1	1.76	Car11	1.68	Cxcl4	1.73	Ctsb	1.69
C030025P15Rik	1.71	Oprs1	1.51	Prx	1.73	Ppl	1.76	D130004H04Rik	1.68	Frag1	1.73	Iigbl1	1.69
Ddx27	1.71	Pde1b	1.51	Rfng	1.73	Xpot	1.76	Dcum1d4	1.68	Glb1	1.73	LOC380906	1.69
Deadc1	1.71	Piga	1.51	Wnt7a	1.73	Zfp57	1.76	Dgat2	1.68	Lamp2	1.73	LOC381284	1.69
Diras1	1.71	Pstpip1	1.51	9430081H08Rik	1.72	Aebp1	1.76	Dnchc1	1.68	LOC384525	1.73	LOC386078	1.69
Dutp	1.71	Spy3	1.51	Adam23	1.72	Ampd3	1.75	Gba	1.68	Mid2	1.73	Lphn1	1.69
Epb4.114b	1.71	Stat3	1.51	AI449441	1.72	BC038881	1.75	Gpt1	1.68	Ogt	1.73	Mglap	1.69

Ing1l	1.71	Vegfa	1.51	Atad3a	1.72	Ctsz	1.75	Gspt2	1.68	Pcbd2	1.73	mt-Atp6	1.69	
LOC224163	1.71	Z310079N02Rik	1.50	Cxxc6	1.72	DSEtd579e	1.75	Ltb	1.68	Picl2	1.73	MTERF	1.69	
Mad2l1	1.71	Z810025M15Rik	1.50	Dus3l	1.72	Hist1h2bc	1.75	Nfkb2	1.68	Ptprs	1.73	mt-Nd5	1.69	
Ogt	1.71	AA409316	1.50	Gpsn2	1.72	Kih1c2	1.75	Oc90	1.68	Slc1a3	1.73	Nle1	1.69	
Peo1	1.71	AA960558	1.50	LOC216674	1.72	Lamc1	1.75	Picalm	1.68	Tmem4	1.73	Plod1	1.69	
Pnpo	1.71	AW060766	1.50	Mprl53	1.72	Lmtk2	1.75	Spr2k	1.68	1200003O06Rik	1.72	sci0004175.1_57	1.69	
Recc1	1.71	Bag3	1.50	Nup160	1.72	LOC209203	1.75	Stac2	1.68	2610018O07Rik	1.72	Sirpb1	1.69	
Senp3	1.71	Copz2	1.50	Ohfr985	1.72	LOC329750	1.75	Tmbim1	1.68	A930039N10Rik	1.72	Spire2	1.69	
Syt9	1.71	Ctsd	1.50	Slc25a38	1.72	LOC433182	1.75	1810014F10Rik	1.67	ApoB48r	1.72	Sympk	1.69	
Wdr34	1.71	D4Bwg0951e	1.50	Spr1b	1.72	Myo9b	1.75	2400007G07Rik	1.67	C330006K01Rik	1.72	Uap111	1.69	
Zfp57	1.71	LOC217886	1.50	6330442E10Rik	1.71	Npm3	1.67	A230062G08Rik	1.67	Ccdc53	1.72	1110003E12Rik	1.68	
Zfp574	1.71	LOC381036	1.50	Arhgef18	1.71	Nudt1	1.75	Bbx	1.67	LOC383077	1.72	2310020F24Rik	1.68	
1500009L16Rik	1.70	Rab7	1.50	Atp10d	1.71	Nup205	1.75	Bop1	1.67	Myc	1.72	4732486I23Rik	1.68	
2310038D14Rik	1.70	Rabrc	1.50	Cnksr1	1.71	Ptprs	1.75	Cox15	1.67	Rab9	1.72	A630084D02Rik	1.68	
5430425C04Rik	1.70	Tmem134	1.50	Ddah1	1.71	Tars	1.75	D11Bwg0414e	1.67	Sat2	1.72	Apoe	1.68	
5730527J01Rik	1.70	Ywhaz	1.50	Ddx18	1.71	Trps1	1.75	D19Wsu162e	1.67	sci000868.1_2	1.72	C730009F21Rik	1.68	
Al462438	1.70			Gtf2e2	1.71	Wasf1	1.75	D1Bwg0491e	1.67	Usp21	1.72	Camta1	1.68	
AU020206	1.70			Hist1h2bk	1.71	Zbtb8os	1.75	Ets2	1.67	Zfp99	1.72	Chkb	1.68	
B230333E16Rik	1.70			Lamb3	1.71	1810013B01Rik	1.74	Ftj3j	1.67	1300010K09Rik	1.71	Hibadh	1.68	
D230025D16Rik	1.70			Nol5a	1.71	2200002K05Rik	1.74	Ints5	1.67	2310020F24Rik	1.71	Jarid1d	1.68	
Gdf1	1.70			Pkp3	1.71	2210008I11Rik	1.74	Mprl17	1.67	2700067E09Rik	1.71	LOC381448	1.68	
Grih3	1.70			Pmf1	1.71	2300008H03Rik	1.74	Mxi1	1.67	2810422J05Rik	1.71	LOC383077	1.68	
Hist1h2bc	1.70			Poir3b	1.74	2410018M08Rik	1.74	Taf5	1.67	Arpc1b	1.71	LOC383883	1.68	
Kntc1	1.70			Rusc2	1.71	2610528A15Rik	1.74	Tor3a	1.67	Bre	1.71	Metapl1	1.68	
Noc2l	1.70			Stac	1.71	Ctsb	1.74	Ubp1	1.67	Ddx41	1.71	Mki67	1.68	
Pgam1	1.70			Tfam	1.71	D19Bwg1357e	1.74	2610029K21Rik	1.66	Hint2	1.71	Myo9b	1.68	
Sf3a1	1.70			Tlcd1	1.71	E130309D02Rik	1.74	2610507B11Rik	1.66	Itpk1	1.71	Patpc4	1.68	
Tsrc1	1.70			Tssc6	1.71	Faim	1.74	6430595O10Rik	1.66	Lzf	1.71	Plekhg5	1.68	
1110006G06Rik	1.69			Zfp57	1.71	Galk1	1.74	9626953_2_rc	1.66	Nr6a1	1.71	Ppgb	1.68	
2610033H07Rik	1.69			1500026D16Rik	1.70	Krt1-16	1.74	B020018G12Rik	1.66	Stard5	1.71	Rasa3	1.68	
2810403P18Rik	1.69			2610206G21Rik	1.70	Mknk1	1.74	BC038286	1.66	Tgfb1	1.71	Rgrp	1.68	
6030457N17Rik	1.69			4932441K18Rik	1.70	Mps12	1.74	C3	1.66	2310001A20Rik	1.70	Rpl29	1.68	
Chtf18	1.69			9630046K23Rik	1.70	Ndor1	1.74	Cited4	1.66	2700061N24Rik	1.70	Sltk6	1.68	
CRG-L1	1.69			Acot8	1.70	Pfdn2	1.74	Dmrt2	1.66	4932415G12Rik	1.70	Smarcd2	1.68	
Ddx41	1.69			Dctd	1.70	Traf6	1.74	Fsd1	1.66	9130416N05Rik	1.70	Tbl2	1.68	
Ilgae	1.69			Efna5	1.70	1500041N16Rik	1.73	Hmgcs1	1.66	A630049A05Rik	1.70	Timm44	1.68	
LOC214575	1.69			Itp1	1.70	2410016O06Rik	1.73	Hs6st1	1.66	Acs15	1.70	Ttf2	1.68	
LOC229599	1.69			Klf4	1.70	BC023754	1.73	Leng9	1.66	Adar	1.70	2010013E08Rik	1.67	
LOC235857	1.69			Mkrr3	1.70	Cad	1.73	LOC236831	1.66	B230311A21	1.70	2310004L02Rik	1.67	
LOC383897	1.69			Mtf2	1.70	Centa1	1.73	Lrrc1	1.66	BC021611	1.70	BC006705	1.67	
LOC433224	1.69			Ndufv2	1.70	Dnase2a	1.73	Pml	1.66	Cd180	1.70	Ddx27	1.67	
Pip5k1a	1.69			Ppan	1.70	Fnnl2	1.73	Slc2a6	1.66	Cst7	1.70	Dnali1	1.67	
Ppp1r9a	1.69			Rnf125	1.70	Hrb	1.73	Slc35c1	1.66	D2Bwg1356e	1.70	Fez1	1.67	
Prdx1	1.69			sci0003955.1_3	1.73	LOC382058	1.73	Smek1	1.66	Sspn	1.70	Fgd2	1.67	
Qprt	1.69			Sfrs1	1.70	LOC386005	1.73	Snx10	1.66	Trim21	1.70	Gabarapl1	1.67	
Tap2	1.69			Tmem183a	1.70	Mapbpip	1.73	Tcea2	1.66	Zfp692	1.70	LOC383308	1.67	
Usp48	1.69			6430706D22Rik	1.69	mt-Nd1	1.73	Tmem50a	1.66	0610037D15Rik	1.69	Pus3	1.67	
9830002L24Rik	1.68			Ankrd47	1.69	Mybbp1a	1.73	Tnk1	1.66	1190009E12Rik	1.69	Rab3d	1.67	
A230050P20Rik	1.68			B4gaint4	1.69	Otx1	1.73	Wbscr21	1.66	1700017111Rik	1.69	Sox12	1.67	
Acadm	1.68			BC026370	1.69	Paip2	1.73		8-Sep	1.65	1810037J08Rik	1.69	1200013F24Rik	1.66
Al256711	1.68			BC037006	1.69	Slc11a1	1.69	4732455O04Rik	1.65	1810073G14Rik	1.69	2610003J06Rik	1.66	
Aldh6a1	1.68			Bcl3	1.69	Zswim1	1.69	4931433E08Rik	1.65	5930405J04Rik	1.69	Ankrd10	1.66	
Apobec3	1.68			Bdh	1.69	6430510M02Rik	1.72	6330407J23Rik	1.65	6330562C20Rik	1.69	Aup1	1.66	
Cops7a	1.68			Blmh	1.69	A230102O09Rik	1.72	Al450540	1.65	9330147J08Rik	1.69	BC009118	1.66	
Dhx32	1.68			Cobl	1.69	Ada	1.72	Aldh3b1	1.65	AB041568	1.69	Camk1	1.66	
Enpp2	1.68			Dcxr	1.69	BC016608	1.72	Apocd1	1.65	Cetn4	1.69	D16Etd472e	1.66	
Helz	1.68			Foer1g	1.69	BC085271	1.72	Enpp5	1.65	Cirbp	1.69	D7Rp2e	1.66	
Htlatip2	1.68			Kcnk6	1.69	Dbr1	1.72	Fibp	1.65	Gba	1.69	Dscr12	1.66	
LOC381200	1.68			Mphosph6	1.69	Dip3b	1.72	Gas6	1.65	Gps2	1.69	Fance	1.66	
LOC381904	1.68			Myg1	1.69	Dig5	1.72	Golgb1	1.65	Ift172	1.69	Farsia	1.66	
LOC386270	1.68			Nup205	1.69	Efna1	1.72	Hsd3b7	1.65	Lars2	1.69	Hdac10	1.66	
Pkp4	1.68			Pdgb	1.69	Fbxo21	1.72	Icmt	1.65	Parp1	1.69	Hk2	1.66	
Pwp2	1.68			Ppm1g	1.69	Hmgn3	1.72	Kpna3	1.65	Phex	1.69	Ivd	1.66	
Rabggta	1.68			Rpa3	1.69	Hspa2	1.72	LOC386112	1.65	Rhog	1.69	Kih17	1.66	
Ramp3	1.68			Smox	1.69	Hus1	1.72	Map2k1	1.65	Selenbp2	1.69	LOC236932	1.66	
Rfil	1.68			Znrd1	1.69	Krt2-6a	1.72	Mcl1	1.65	Stac2	1.69	Lztr1	1.66	
Rnf17	1.68			2610028L19Rik	1.68	S100a16	1.72	Notch4	1.65	Tnfrsf13b	1.69	Nfs1	1.66	
Sart1	1.68			2610203C22Rik	1.68	Sh3rf2	1.72	Numa1	1.65	1700051112Rik	1.68	Nrd1	1.66	
Slc25a15	1.68			4933439C20Rik	1.68	Stat5a	1.72	Pnpla1	1.65	2900006A08Rik	1.68	Nudf9	1.66	
Smek1	1.68			9430068D06Rik	1.68	Syng3	1.72	Poli	1.65	BC013481	1.68	Pex11a	1.66	
Sod1	1.68			A930005G04Rik	1.68	Tcf4	1.72	Ppat	1.65	Brp16	1.68	Recc1	1.66	
Taf5l	1.68			BC038881	1.68	Ulk1	1.72	Prkx	1.65	Card12	1.68	Rpp14	1.66	

1700083M11Rik	1.67	Cbr2	1.68	Wbscr16	1.72	Pygb	1.65	D8Erdt354e	1.68	Serinc3	1.66
4933424A10Rik	1.67	Hus1	1.68	Wnt7a	1.72	S100a1	1.65	Fbn1	1.68	Sod2	1.66
9530027K23Rik	1.67	Jag2	1.68	Xpo7	1.72	Ufl1	1.65	Gnpda1	1.68	Vps16	1.66
Ard1	1.67	Melk	1.68	1190005I06Rik	1.71	1810006K23Rik	1.64	Leng9	1.68	Zmynd15	1.66
B130019G13Rik	1.67	Nola1	1.68	1500005A01Rik	1.71	2810004A10Rik	1.64	LOC381739	1.68	2410112O06Rik	1.65
Cdyl2	1.67	Nupb1	1.68	2210419D22Rik	1.71	4921505C17Rik	1.64	Metap1	1.68	3110018K01Rik	1.65
Hcapg-pending	1.67	Polr3g	1.68	2600013N14Rik	1.71	5730543M03Rik	1.64	P4ha2	1.68	5430413I02Rik	1.65
Jak3	1.67	Rabl3	1.68	2610001E17Rik	1.71	Adam17	1.64	Pcolce	1.68	6330580J24Rik	1.65
LOC245202	1.67	Rad51	1.68	4632404H22Rik	1.71	Cbx7	1.64	Rnu6	1.68	A430070A22Rik	1.65
LOC278105	1.67	Rpia	1.68	6330569M22Rik	1.71	Cd2bp2	1.64	Sfxn1	1.68	Acsi5	1.65
LOC434197	1.67	Zfxh2	1.68	BC002199	1.71	D15Wsu75e	1.64	Tg737Rpw	1.68	Atp5s	1.65
Mfng	1.67	0710008K08Rik	1.67	Calmbp1	1.71	Hps6	1.64	Zfpn1a1	1.68	Cd47	1.65
Mrps35	1.67	1110021H02Rik	1.67	D930001I22Rik	1.71	Idb1	1.64	5033413D16Rik	1.67	Chchd5	1.65
Osr1	1.67	1300017K07Rik	1.67	Dgkd	1.71	LOC386330	1.64	6330442E10Rik	1.67	Dnase111	1.65
Rbm38	1.67	2310061I09Rik	1.67	Exosc7	1.71	Metm	1.64	9130415E20Rik	1.67	Dock11	1.65
Snrp70	1.67	6330505N24Rik	1.67	Fli1	1.71	Mod1	1.64	9830148G24Rik	1.67	Fpgs	1.65
Spink2	1.67	6820428D13	1.67	Gaint12	1.71	Pcyt1b	1.64	C76566	1.67	Glb1	1.65
Spnb3	1.67	9330107J05Rik	1.67	Gib1	1.71	Pla2g12a	1.64	Capn5	1.67	Gmfg	1.65
Tfdp1	1.67	A830030H10Rik	1.67	Gil28d1	1.71	scl0001356_1_58	1.64	Dcn	1.67	Lamb2	1.65
Zfp553	1.67	Agpat2	1.67	Lgals9	1.71	Smardc2	1.64	Dock10	1.67	LOC333137	1.65
1110002N22Rik	1.66	C730015A04Rik	1.67	LOC271041	1.71	1110008I14Rik	1.63	Irf2	1.67	Ngrf	1.65
1110007C24Rik	1.66	Cdc2a	1.67	LOC385699	1.71	2310007B03Rik	1.63	LOC235860	1.67	Nola1	1.65
2300008H03Rik	1.66	Dcbl1d1	1.67	Mcm2	1.71	2610014H22Rik	1.63	LOC380906	1.67	Nola3	1.65
2310003C23Rik	1.66	Eed	1.67	Mill	1.71	4632404H22Rik	1.63	Mrp123	1.67	Pole	1.65
2610101N10Rik	1.66	Hist1h2bh	1.67	Sh3gl2	1.71	A230102O09Rik	1.63	Ms4a6c	1.67	R3hdm1	1.65
Aldoa	1.66	Ldh1	1.67	Tbc1d2	1.71	A930026I22Rik	1.63	Numa1	1.67	Rab11fip5	1.65
B3gnt7	1.66	LOC224147	1.67	Tkt	1.71	Abp1	1.63	Peci	1.67	Slc25a12	1.65
BC034507	1.66	LOC381398	1.67	Ube3c	1.71	Apid1	1.63	Rev3l	1.67	Tmem53	1.65
BC066028	1.66	Prr7	1.67	1700016M24Rik	1.70	B4gal4	1.63	scl0004175_1_57	1.67	1110002B05Rik	1.64
C330003B14Rik	1.66	Rnu70	1.67	9130422H11Rik	1.70	BC037006	1.63	Zfp94	1.67	1110025F24Rik	1.64
E130014J05Rik	1.66	scl000416_1_19	1.67	Ai326906	1.70	Bgn	1.63	1110012F10Rik	1.66	2310051E17Rik	1.64
Fxr2h	1.66	Sct	1.67	Ai851464	1.70	Bmp8b	1.63	1110058L19Rik	1.66	2410015N17Rik	1.64
Gm129	1.66	Spr2k	1.67	Ap1p2	1.70	Chf18	1.63	5730593F17Rik	1.66	2410118P20Rik	1.64
Hap1	1.66	Tceb1	1.67	B3gal5	1.70	Clstn3	1.63	6030458C11Rik	1.66	4921521J11Rik	1.64
Hdac6	1.66	Tff2	1.67	BC055368	1.70	D15Erd781e	1.63	Anxa4	1.66	4930522L14Rik	1.64
Mcl1	1.66	Troap	1.67	C730026E21Rik	1.70	Defcr-rs2	1.63	AW456874	1.66	Acads	1.64
Mcpb1	1.66	1110049G11Rik	1.66	Cdc695	1.70	E030002F19Rik	1.63	C730025P13Rik	1.66	C230090D14	1.64
Mybbp1a	1.66	1300006M19Rik	1.66	Eif4ebp1	1.70	Mccc1	1.63	Ccn1	1.66	Calml4	1.64
Ptk9l	1.66	6530401C20Rik	1.66	Falz	1.70	Mmp3	1.63	Cdk10	1.66	Ccdc5	1.64
Qtrt1	1.66	9530058B02Rik	1.66	LOC384525	1.70	Nrarp	1.63	Dnase2a	1.66	Cd53	1.64
Rem2	1.66	A430005L14Rik	1.66	Poli	1.70	Pfkc	1.63	Fahd1	1.66	Cdc7	1.64
Tcf7	1.66	Aim1	1.66	Polr3g	1.70	Pitpnm1	1.63	Fundc1	1.66	D15Erdt735e	1.64
Tpd52	1.66	BC003251	1.66	scl000559_1_47	1.70	Slk	1.63	Gal3st1	1.66	D330001F17Rik	1.64
Xab1	1.66	BC066140	1.66	Spes3	1.70	Tpd52l2	1.63	Gaint12	1.66	Dok4	1.64
0610009B22Rik	1.65	Ccl6a	1.66	Stat3	1.70	Tpo	1.63	Irf8	1.66	Gcn5l2	1.64
2010001O09Rik	1.65	Clns1a	1.66	5730494N06Rik	1.69	Ttc13	1.63	LOC381300	1.66	Ith2	1.64
2700024H10Rik	1.65	D030026A21Rik	1.66	5830411G16Rik	1.69	Wdr68	1.63	LOC381448	1.66	LOC239618	1.64
3000004C01Rik	1.65	D14Erdt449e	1.66	A730004F22Rik	1.69	9130022K13Rik	1.62	Map4k1	1.66	LOC381825	1.64
3110078M01Rik	1.65	Gcat	1.66	D10Wsu102e	1.69	9330175B01Rik	1.62	Mapk1ip1	1.66	Mcm10	1.64
3110082I17Rik	1.65	Kif11	1.66	Epas1	1.69	9430023L20Rik	1.62	Psen2	1.66	Nisch	1.64
6820402O20Rik	1.65	LOC238943	1.66	Gm440	1.69	AL024210	1.62	Rab11fip5	1.66	Nme4	1.64
9430034D17Rik	1.65	sty	1.66	Hnrpu	1.69	C230070D10Rik	1.62	Slc25a12	1.66	Nsun2	1.64
A830007P12Rik	1.65	Tcfcp2l2	1.66	Hsp105	1.69	Ctsd	1.62	Usp52	1.66	Nup155	1.64
Aif7ip	1.65	1110008B24Rik	1.65	LOC382128	1.69	Dapp1	1.62	4930455F23Rik	1.65	Phf2	1.64
Calml4	1.65	1700034H14Rik	1.65	Ndufv1	1.69	En2	1.62	Abca7	1.65	Pik3r2	1.64
Cbx3	1.65	1810060D16Rik	1.65	Nup133	1.69	Hist1h2bh	1.62	E030007N04Rik	1.65	Qars	1.64
Cer1	1.65	2410008K03Rik	1.65	Phlda1	1.69	Krt20	1.62	Elf1	1.65	Rnmt	1.64
D12Erd647e	1.65	2510027N19Rik	1.65	Pltp	1.69	Krt7	1.62	LOC231081	1.65	scl0002312_1_1	1.64
Fbxo31	1.65	Ankrd28	1.65	Rapgef1	1.69	Lmtk2	1.62	LOC233899	1.65	Zdhhc21	1.64
Fen1	1.65	Cdkn3	1.65	Sdf4	1.69	Pkm2	1.62	Pik3c3	1.65	2900060B14Rik	1.63
Hcn2	1.65	Fahd1	1.65	Sgpl1	1.69	Ptgs1	1.62	Pik3r1	1.65	3300001P08Rik	1.63
Hr	1.65	G22p1	1.65	Sgrr23	1.69	Ripk4	1.62	Supt3h	1.65	4632427E13Rik	1.63
Irgm	1.65	Gpr20	1.65	Snx27	1.69	Slc25a39	1.62	Tyk2	1.65	5730455P16Rik	1.63
Lad1	1.65	Impdh2	1.65	Tead4	1.69	Slc5a5	1.62		1.64	6530402F18Rik	1.63
LOC380705	1.65	Mrp150	1.65	Tom22	1.69	Slc7a3	1.62	1110004B13Rik	1.64	A330089M16Rik	1.63
LOC380927	1.65	Nol10	1.65	Trp53bp1	1.69	Spp13	1.62	1190007F08Rik	1.64	A630054L15Rik	1.63
LOC382911	1.65	Nup54	1.65	1110015K06Rik	1.68	Uaca	1.62	2010001O09Rik	1.64	AA968343	1.63
LOC386082	1.65	Ppa2	1.65	1200003E16Rik	1.68	1110095F07Rik	1.61	5930412E23Rik	1.64	BC014795	1.63
Map3k7ip3	1.65	Prkcz	1.65	2410088K16Rik	1.68	1700108L22Rik	1.61	8430436L14Rik	1.64	Bokhdn	1.63
Nob1	1.65	Prps2	1.65	4432411E13Rik	1.68	9130023C08Rik	1.61	Ankrd47	1.64	Birc1c1	1.63
Nup85	1.65	Rab11a	1.65	9030612K14Rik	1.68	Bahd1	1.61	BC004636	1.64	D730003I15Rik	1.63
Pdgfra	1.65	Slc35d1	1.65	Adam17	1.68	Cxcl16	1.61	BC037708	1.64	E430026C09Rik	1.63

Rec8L1	1.65	Stx12	1.65	Afg3l2	1.68	Elf2s2	1.61	Cobl1	1.64	Fbl	1.63
Serpnb6c	1.65	Tirap	1.65	B130055D15Rik	1.68	Elf1	1.61	Ctsl	1.64	Gnb2-rs1	1.63
Sf3b3	1.65	Tmem17	1.65	C230082121Rik	1.68	Hr	1.61	D12Erttd553e	1.64	Gtpbp6	1.63
Ypel3	1.65	Tnrc9	1.65	Camta2	1.68	Hrsp12	1.61	D330008121Rik	1.64	Lama5	1.63
0610031G08Rik	1.64	Tuba6	1.65	LOC380694	1.68	Irgb5	1.61	Dhrs8	1.64	LOC380961	1.63
1700019D06Rik	1.64	Zfp692	1.65	Lrrc5	1.68	Kcnab2	1.61	D1m1-pending	1.64	LOC383227	1.63
2010002H18Rik	1.64	1110003O08Rik	1.64	Mpl36	1.68	Krt2-6a	1.61	Dscr5	1.64	Mcee	1.63
2310007F21Rik	1.64	1110020A09Rik	1.64	Nsun2	1.68	LOC384727	1.61	MRpl34	1.64	EG665378	1.63
2410012C07Rik	1.64	2610018I03Rik	1.64	Pgk1	1.68	Mgl1	1.61	Hbp1	1.64	Nfil3	1.63
4932417116Rik	1.64	5730593N15Rik	1.64	Pnpo	1.68	Mreg	1.61	Hlcs	1.64	Nvl	1.63
6530405K19	1.64	Adssl1	1.64	Prune	1.68	Plxnb2	1.61	IL1RA	1.64	Plxdc1	1.63
8430436L14Rik	1.64	AI326906	1.64	Psme4	1.68	Ppm1b	1.61	LOC381250	1.64	Pon3	1.63
9130422G05Rik	1.64	Arhgef5	1.64	Rangrf	1.68	Pygl	1.61	Maged2	1.64	Steap2	1.63
A330080J22Rik	1.64	Ccdc132	1.64	Rrs1	1.68	Rbm21	1.61	Nfat5	1.64	Tor3a	1.63
A330102K23Rik	1.64	Galr2	1.64	sc10002084.1_607	1.68	Recql5	1.61	Nfatc4	1.64	Zfp296	1.63
Abi2	1.64	Kif4	1.64	Sdhd	1.68	Rnf44	1.61	Pgls	1.64	1110028N05Rik	1.62
C030048B08Rik	1.64	LOC381524	1.64	Slc25a28	1.68	Sec24c	1.61	Ppt1	1.64	2610528E23Rik	1.62
Cdx1	1.64	Nola3	1.64	Smox	1.68	Sh3rf2	1.61	Ptpro	1.64	4930504E06Rik	1.62
Ctsc	1.64	Rnase1	1.64	Srp72	1.68	Sp6	1.61	Rmnd1	1.64	6330562C20Rik	1.62
Fbl	1.64	Rpo1-1	1.64	2310010I15Rik	1.67	Tdh	1.61	Rnf167	1.64	A930025D01Rik	1.62
Fgf10	1.64	Ruvbl2	1.64	2810468K05Rik	1.67	Tnf	1.61	Wrn	1.64	Adarb1	1.62
Gnptab	1.64	sc10001356.1_58	1.64	Ankrd28	1.67	Tuft1	1.61	1700011J10Rik	1.63	AI451557	1.62
LOC242051	1.64	Sox13	1.64	Apv1	1.67	0610040O15Rik	1.61	2810454F19Rik	1.63	AL033314	1.62
LOC382112	1.64	Uqcrh	1.64	Cnot10	1.67	1190005P17Rik	1.60	9330140K16Rik	1.63	Anxa11	1.62
LOC383616	1.64	1600002K03Rik	1.63	D1Erttd161e	1.67	1200015E14Rik	1.60	9630007J19Rik	1.63	Asns	1.62
Luc7	1.64	2700038C09Rik	1.63	D2Erttd391e	1.67	2010012C16Rik	1.60	A730036E13Rik	1.63	C030006K11Rik	1.62
Npm1	1.64	6330548G22Rik	1.63	Esco2	1.67	2310009E04Rik	1.60	AI429612	1.63	C1qbp	1.62
Nudt5	1.64	BC022224	1.63	Foxa3	1.67	2310045L10Rik	1.60	Ank	1.63	C77032	1.62
Psme4	1.64	Bzw2	1.63	lars	1.67	4632413K17Rik	1.60	Brip1	1.63	D630014A15Rik	1.62
Umpps	1.64	C730029F17Rik	1.63	lde	1.67	4933427L07Rik	1.60	Clecsf12	1.63	D8Erttd812e	1.62
2010319A12Rik	1.63	Cxcd16	1.63	LOC243881	1.67	Agtrap	1.60	Ddb2	1.63	Dgkz	1.62
4921521J11Rik	1.63	D11Erttd603e	1.63	Mng	1.67	AI481316	1.60	Exoc7	1.63	Fancd2	1.62
4930522L14Rik	1.63	Dapk1	1.63	Rpia	1.67	AI606181	1.60	Fibp	1.63	Ggt13	1.62
Aldh1b1	1.63	Dbf4	1.63	Rpl14	1.67	C330005M16Rik	1.60	Fstl1	1.63	Ifftm6	1.62
Aof2	1.63	Dnmt1	1.63	Sh3gl3	1.67	Ckifsf6	1.60	Hlx1	1.63	Igfbp4	1.62
BC031601	1.63	E430030L01Rik	1.63	Srx5	1.67	Cnksr1	1.60	mtDNA_ND4L	1.63	LOC383802	1.62
C230082I21Rik	1.63	Fst	1.63	Taf5	1.67	Fez1	1.60	Orc5l	1.63	LOC385505	1.62
Cacybp	1.63	Galnt1	1.63	Tiam1	1.67	Ganab	1.60	Rad50	1.63	Map3k7ip1	1.62
Dctd	1.63	Grhl3	1.63	Tirap	1.67	Golga4	1.60	Rgl2	1.63	Metrn	1.62
Dscr112	1.63	LOC433224	1.63	Tmed10	1.67	Impdh2	1.60	Tsc22d3	1.63	Mid2	1.62
LOC234413	1.63	Mrpl40	1.63	Tmed8	1.67	Klk10	1.60	Zfp41	1.63	Mlll	1.62
Nol5a	1.63	Nanos1	1.63	Uchl1	1.67	Lgals3bp	1.60	2310004L02Rik	1.62	Msh6	1.62
Ovol2	1.63	Net1	1.63	Vdac2	1.67	LOC384348	1.60	2610019E17Rik	1.62	Nup205	1.62
Poir2a	1.63	Plp2	1.63	1190009E20Rik	1.66	Rnf20	1.60	4432416O06Rik	1.62	Peci	1.62
Psmb10	1.63	Ppie	1.63	2810418N01Rik	1.66	S100a4	1.60	5330414D10Rik	1.62	sc10002864.1_26	1.62
Rfc4	1.63	Rrm2	1.63	4732477C12Rik	1.66	Samd10	1.60	5530601119Rik	1.62	Setd8	1.62
sc10001869.1_367	1.63	Sec15l1	1.63	4933435A13Rik	1.66	Spred1	1.60	5830482F20Rik	1.62	Snora65	1.62
Syngn1	1.63	Slc23a2	1.63	5730593F17Rik	1.66	Tcn2	1.60	BC010304	1.62	Tmod1	1.62
Tada2l	1.63	Zranb3	1.63	6330407J23Rik	1.66	Tpcn1	1.60	Crtap	1.62	Tpra40	1.62
Tyw1	1.63	2410005K20Rik	1.62	9330134C04Rik	1.66	Ugcg	1.60	Dok4	1.62	Zfh4	1.62
Usp52	1.63	2600001J17Rik	1.62	B230339M05Rik	1.62	Zswim1	1.60	Dom3z	1.62	2010003J03Rik	1.61
Zfp95	1.63	2610039C10Rik	1.62	BC017612	1.62	1600029D21Rik	1.59	Ing4	1.62	2610003P13Rik	1.61
1500032H18Rik	1.62	2700091N06Rik	1.62	Cipp	1.62	2900037O03Rik	1.59	Isy1	1.62	3230401M21Rik	1.61
2700049A03Rik	1.62	5033425B17Rik	1.62	Extl3	1.62	9030025P20Rik	1.59	LOC214403	1.62	4833442J19Rik	1.61
2810417K24Rik	1.62	Fibp	1.62	LOC234413	1.62	9630112E13Rik	1.59	Ms4a6b	1.62	A130038J17Rik	1.61
4921528G01Rik	1.62	Kcnk1	1.62	LOC384727	1.66	Acvr2b	1.59	Srr	1.62	Angptl6	1.61
5033421J10Rik	1.62	LOC232887	1.62	Mboat2	1.66	Atp6ap1	1.59	Suclg2	1.62	Casp4	1.61
AF233884	1.62	LOC329926	1.62	Mgat4b	1.66	Exosc4	1.59	Tpcn1	1.62	Ccnh	1.61
AL022832	1.62	LOC380665	1.62	mtDNA_ND2	1.66	Gp38	1.59	Zcchc7	1.62	Ccnt2	1.61
BC017133	1.62	LOC381038	1.62	Pelp1	1.62	Gpt2	1.59	Zfp36l1	1.62	Col14a1	1.61
BC021611	1.62	Max	1.62	Pgam1	1.66	Grhr	1.59	Zfp521	1.62	Dnchc1	1.61
Ccnh	1.62	Prdx3	1.62	Poldip2	1.66	Limk1	1.59	1110025F24Rik	1.61	E430021P16Rik	1.61
Cyb5	1.62	Setd6	1.62	Rabgga2	1.66	Lnx2	1.59	1110032N12Rik	1.61	E430039K05Rik	1.61
D19Wsu12e	1.62	Wdr21	1.62	Rcor1	1.66	Lor	1.59	1500001E21Rik	1.61	Egfl9	1.61
D630023F18Rik	1.62	C1s	1.61	Rnu3ip2	1.66	Mrpl36	1.59	1700129I04Rik	1.61	Ets2	1.61
Kih12	1.62	Cxadr	1.61	sc100001.1_0_REVCOMP	1.66	Pola2	1.59	1810037G04Rik	1.61	Gnefr	1.61
LOC208748	1.62	D10Ertdd214e	1.61	sc10002883.1_98	1.66	Pom121	1.59	1810054O13Rik	1.61	H2afj	1.61
LOC230824	1.62	D2Wsu81e	1.61	Stk2	1.66	Prx	1.59	2310009A05Rik	1.61	Hnrpd1	1.61
LOC382555	1.62	E030040G24Rik	1.61	Tuba6	1.66	Ptprs	1.59	4930403J22Rik	1.61	Iffit2	1.61
Lt1	1.62	Gm169	1.61	Zxda	1.66	Rhou	1.59	Abcb8	1.61	Keo4	1.61
Mettl2	1.62	Grwd1	1.61	5730543M03Rik	1.65	Sult2b1	1.59	BC009118	1.61	Lgals4	1.61
MGC68323	1.62	Hoxa4	1.61	A430109M19Rik	1.65	Trak2	1.59	BC026590	1.61	LOC381401	1.61

Siah1b	1.62	LOC434858	1.61	A930005G04Rik	1.65	Ube2q	1.59	BC032203	1.61	Mfng	1.61
Tex292	1.62	Prkg1	1.61	Anapc7	1.65	0610005K03Rik	1.58	Cbfa211h	1.61	Phr1	1.61
Txnp	1.62	Pycr2	1.65	D4Ert432e	1.61	1110029I05Rik	1.58	Clecsf9	1.61	Pigq	1.61
1110049F12Rik	1.61	Snprf	1.61	Etv1	1.65	1190007F08Rik	1.58	Cuedc2	1.61	Pps	1.61
1110061O04Rik	1.61	Thoc4	1.61	G6pdx	1.65	2210410E06Rik	1.58	Cutc	1.61	Saa3	1.61
1700019H03Rik	1.61	Tssc1	1.61	Gbx2	1.65	Aifm1	1.58	D230005D02Rik	1.61	scf000205.1_10	1.61
2610305J24Rik	1.61	1190005P17Rik	1.60	Gnl3	1.65	Arsa	1.58	Dazap2	1.61	scf0004176.1_1597	1.61
4930519N13Rik	1.61	2010007H12Rik	1.60	Hcfc1	1.65	BC066028	1.58	Dguok	1.61	Slc29a3	1.61
5730455O13Rik	1.61	2300008H03Rik	1.60	Hdac6	1.65	Bms1l	1.58	Fxyd2	1.61	Tspo	1.61
6530415H11Rik	1.61	2900060B14Rik	1.60	Lars2	1.65	Cdkn2b	1.58	Galt	1.61	1110007C05Rik	1.60
9930032E18Rik	1.61	A230091H23	1.60	LOC384596	1.65	Cyp4v3	1.58	Gldc	1.61	1110019L22Rik	1.60
A130072J07	1.61	Al427138	1.60	Mark2	1.65	Ddx21	1.58	Gtpbp3	1.61	2610511O17Rik	1.60
Abhd14b	1.61	Al427515	1.60	Mdm2	1.65	Dyrk3	1.58	Hcst	1.61	2700033B16Rik	1.60
Acy1	1.61	BC018472	1.60	Pcyl1b	1.65	Echdc2	1.58	Oplah	1.61	2700084L06Rik	1.60
Arid1a	1.61	C330018D20Rik	1.60	Pex16	1.65	Etsrp71	1.58	Ppan	1.61	4930429O20Rik	1.60
B930008G03Rik	1.61	C630049M13	1.60	Phr1	1.65	F830002E14Rik	1.58	scf0002007.1_97	1.61	4933427L07Rik	1.60
Bxdc1	1.61	Ctsf	1.60	Pmpcb	1.65	Faf1	1.58	0610027O18Rik	1.60	5730599I05Rik	1.60
C230093N12Rik	1.61	Ddx25	1.65	H2-06	1.60	Rab1	1.58	1700030K09Rik	1.60	5830427D02Rik	1.60
Cdc20	1.61	Ddx41	1.60	Rad54l	1.65	Kpnb3	1.58	2610524B01Rik	1.60	AU020206	1.60
Clspn	1.61	Dnase2a	1.60	Rnaseh1	1.65	MGC68323	1.58	2700050C12Rik	1.60	B830007D08Rik	1.60
Dsg2	1.61	E430021N18Rik	1.60	Stx11	1.65	Mgst3	1.58	4732479N06Rik	1.60	BC020002	1.60
Eif3s10	1.61	Gcs1	1.60	Tusc4	1.65	Ociad2	1.58	Al842788	1.60	BC032203	1.60
Elp3	1.61	Guca1a	1.60	Vdac1	1.65	Scnn1a	1.58	AL024069	1.60	BC042768	1.60
Fubp1	1.61	Hap1	1.60	Zc3hav1	1.65	Sgpl1	1.58	Apg10l	1.60	C730026O12Rik	1.60
Gm440	1.61	Hist1h2bb	1.60	Zdhhc9	1.65	Tmc6	1.58	AW011738	1.60	Chchd4	1.60
H2-BI	1.61	LOC224276	1.60	2310051F07Rik	1.64	Tnfr9	1.58	Cyb5r3	1.60	Cort	1.60
Mrp155	1.61	LOC385454	1.60	5330431K02Rik	1.64	1200003E16Rik	1.57	Fars2	1.60	D15Wsu169e	1.60
Mutyh	1.61	LOC385825	1.60	9130207N01	1.64	1300001I01Rik	1.57	Gpr146	1.60	D630035N04Rik	1.60
Nap11	1.61	Mcptl	1.60	Acy1	1.64	2610305J24Rik	1.57	Hal	1.60	Ddl3	1.60
Narg1l	1.61	Nasp	1.60	BC037034	1.64	3930402F13Rik	1.57	Lgals8	1.60	Gpr89	1.60
Nusap1	1.61	Pycl	1.60	BC046418	1.64	4930556P03Rik	1.57	LOC380764	1.60	Il2rb1	1.60
Pabpn1	1.61	Rg9mtd2	1.60	Ephx2	1.64	Arpc5l	1.57	LOC383619	1.60	Kif3a	1.60
Xpo7	1.61	Rnu3ip2	1.60	Gast	1.64	B930030B22Rik	1.57	Mappbp-pending	1.60	LOC381578	1.60
Zc3hc1	1.61	St7	1.60	Got2	1.64	Btbd14a	1.57	Pias1	1.60	Mrp130	1.60
1110068E08Rik	1.60	1190005N23Rik	1.59	Ipas	1.64	Calmbp1	1.57	Pip5k2a	1.60	Ncapd2	1.60
1700022P22Rik	1.60	1200009I06Rik	1.59	Med18	1.64	Cno	1.57	Ppp19a	1.60	Ndufa6	1.60
2310009E04Rik	1.60	1200011O22Rik	1.59	Ppp19b	1.64	Dctn1	1.57	scf000292.1_12	1.60	Pald	1.60
6720485C15Rik	1.60	2810430M08Rik	1.59	Rheb1	1.64	Fgf5	1.57	Thbs3	1.60	Pex11b	1.60
B020018G12Rik	1.60	2900026A02Rik	1.59	Slc25a19	1.64	Galm12	1.57	Zc3hdc6	1.60	Polrnt	1.60
B130053I10Rik	1.60	5430432M24Rik	1.59	Slc28a1	1.64	Gm484	1.57	1700054E11Rik	1.59	Rabggtb	1.60
Bckdha	1.60	9930039L23Rik	1.59	Slmap	1.64	Gnefr	1.57	2700007B13Rik	1.59	Tfdp1	1.60
Brc2	1.60	Apex1	1.59	Srebp2	1.64	H2-Ab1	1.57	5830445O15Rik	1.59	Tnfrsf5ip1	1.60
C1qbp	1.60	Ccl2	1.59	Tada2l	1.64	Hoxa1	1.57	Abcb1b	1.59	Unc13a	1.60
Epb4.1l2	1.60	Cycs	1.59	Tbl3	1.64	LOC231081	1.57	Al314180	1.59	Zadh2	1.60
Gfm	1.60	D1Wsu40e	1.59	Usp20	1.64	LOC239341	1.57	Ascc1	1.59	1110012F10Rik	1.59
LOC277193	1.60	Fdps	1.59	Vapa	1.64	Maf1	1.57	Bbs2	1.59	2610203C22Rik	1.59
Rnf138	1.60	Gata2	1.59	2010313D22Rik	1.63	Mast2	1.57	BC087945	1.59	2810454F19Rik	1.59
Rpl4	1.60	Gtpbp3	1.59	9626962_3	1.63	Mfng	1.57	Cask	1.59	3830422K02Rik	1.59
Sema7a	1.60	LOC280621	1.59	AA536743	1.63	Myo7a	1.57	Csprs	1.59	4632428D17Rik	1.59
Tnfrfaip2	1.60	LOC381795	1.59	Abca7	1.63	Pdcd1lg1	1.57	Irf140	1.59	9130211I03Rik	1.59
Trp53	1.60	LOC385392	1.59	Aplp1	1.63	Rex3	1.57	Il10rb	1.59	A930030J18Rik	1.59
Usp10	1.60	Parl	1.59	Cox17	1.63	Serp1nb6a	1.57	Ly9e	1.59	B930044G13Rik	1.59
1700037H04Rik	1.59	Pdcd2	1.59	Eed	1.63	Slc25a13	1.57	Narg2	1.59	Bzw2	1.59
3300001G02Rik	1.59	Ppp2r5c	1.59	Frat2	1.63	Ypel3	1.57	Nfib	1.59	Chaf1b	1.59
4631422C13Rik	1.59	Rps6kl1	1.59	Irgb5	1.63	0610009K11Rik	1.56	Pdgfr1	1.59	Csf2ra	1.59
4833429E21Rik	1.59	Thoc6	1.59	LOC385855	1.63	1110012J17Rik	1.56	Prg	1.59	Dok2	1.59
6330503K22Rik	1.59	0610007J10Rik	1.58	Map1lc3b	1.63	1700094G20Rik	1.56	Rnaseh1	1.59	E330018D03Rik	1.59
BC025833	1.59	5830467J12Rik	1.58	Nik	1.63	2010305B15Rik	1.56	rp9	1.59	Ebi2	1.59
D19Bwg1357e	1.59	6720463L11Rik	1.58	Nqo1	1.63	2310007F21Rik	1.56	Scara5	1.59	Fars2	1.59
E430027O22Rik	1.59	A730063M14Rik	1.58	Nsbp1	1.63	4930455F23Rik	1.56	scf00260315.1_244	1.59	Fbxo31	1.59
Fanci	1.59	Aim2	1.58	Rad50	1.63	5330430P07Rik	1.56	Slamf8	1.59	Hadh2	1.59
Hus1	1.59	Bcap37	1.58	scf0001345.1_85	1.63	AA536743	1.56	Sult1a1	1.59	Hax1	1.59
Mblcd1	1.59	Fbl	1.58	Slc25a13	1.63	Al505034	1.56	Tlr1	1.59	Hpgd	1.59
Myo1f	1.59	Golm	1.58	Slc25a39	1.63	Cog8	1.56	0610007N19Rik	1.58	Kcnn4	1.59
Park7	1.59	Gemin5	1.58	Ten2	1.63	D4Wsu114e	1.56	1110014J17Rik	1.58	LOC329416	1.59
Prss8	1.59	Hist1h4k	1.58	Vps24	1.63	LOC236262	1.56	1110068E08Rik	1.58	LOC381230	1.59
Psmb9	1.59	Irgm	1.58	1110003P22Rik	1.62	LOC237877	1.56	1810015C04Rik	1.58	Mpp3	1.59
Rpo1-4	1.59	LOC381697	1.58	1810044O22Rik	1.62	Mfn1	1.56	1810021J13Rik	1.58	Ospl2	1.59
Snai3	1.59	Sc4mol	1.58	2400003N08Rik	1.62	Mll	1.56	4632417K18Rik	1.58	Reql5	1.59
Tnfrsf22	1.59	Setdb1	1.58	4732497O03Rik	1.62	Plekhp5	1.56	8030499H02Rik	1.58	Rpl36	1.59
Xpot	1.59	Takrp	1.58	4930522L14Rik	1.62	Pknk	1.56	BC031601	1.58	Surf2	1.59
Zfp259	1.59	2310047N01Rik	1.57	A530068K01	1.62	Ptma	1.56	BC049354	1.58	Tpd521	1.59

Zfp64	1.59	2610111M03Rik	1.57	AA960558	1.62	Ptpra	1.56	Cpt2	1.58	Zfp50	1.59
1110055N21Rik	1.58	4930563B10Rik	1.57	Cdh5	1.62	Rffi	1.56	Cxcr4	1.58	1700022C21Rik	1.58
2410016O06Rik	1.58	Ahsg	1.57	D230025D16Rik	1.56	Rpn1	1.56	Em1	1.58	1700026B20Rik	1.58
2610511O17Rik	1.58	Atp12a	1.57	Gaa	1.62	Slc9a1	1.56	Ergic3	1.58	2010204K13Rik	1.58
2610528C06Rik	1.58	BC003885	1.57	Gcc2	1.62	Snx11	1.56	Gcc2	1.58	2610036L11Rik	1.58
2810025M15Rik	1.58	Bxdc2	1.57	Ghitm	1.62	Sox17	1.56	Mapre2	1.58	2810055F11Rik	1.58
6720406L13Rik	1.58	Cdc45l	1.57	Gl25d1	1.62	Taldo1	1.56	Marcks	1.58	4632428N05Rik	1.58
9629514_325	1.58	Ceacam1	1.57	Kcnn4	1.62	Tmc7	1.56	Mmp24	1.58	6330406L22Rik	1.58
Ankrd10	1.58	Cog8	1.57	Krt73	1.62	Tomm22	1.56	Moxd1	1.58	9130017A15Rik	1.58
Aqp3	1.58	Cops7a	1.57	LOC386123	1.62	Wdr40a	1.56	Nagk	1.58	A630006E02Rik	1.58
Atic	1.58	Cova1	1.57	Nlrkb	1.62	Zfp297	1.56	Ptpra	1.58	Abcd4	1.58
AU040950	1.58	D15Ertdd682e	1.57	Nol8	1.62	9330155C01Rik	1.55	Rnf144	1.58	Arhgap9	1.58
Cdc25a	1.58	D6Ertdd365e	1.57	Odz4	1.62	Arhgef16	1.55	scl000559.1_47	1.58	Atp5a1	1.58
Chd1	1.58	Gnb1l	1.57	Otop1	1.62	Arl8b	1.55	Sfrs6	1.58	AW060207	1.58
Fancd2	1.58	Gsto1	1.57	Pad14	1.62	C630022N07Rik	1.55	Snpc4	1.58	BC024659	1.58
Fbxo38	1.58	Hist1h2bn	1.57	Pcna	1.62	Cabp4	1.55	Spred1	1.58	BC066140	1.58
Gad1	1.58	Hist1h2bp	1.57	Ppm1g	1.62	Gsh1	1.55	Stab1	1.58	C430014N20Rik	1.58
Klf22	1.58	LOC208963	1.57	Pstpip1	1.62	Hapln4	1.55	Tgfbir2	1.58	Clecsf9	1.58
Klfc1	1.58	Mettl2	1.57	Sdcbp2	1.62	Lamb1-1	1.55	Top1mt	1.58	D130083G05Rik	1.58
LOC382128	1.58	Myef2	1.57	Sugt1	1.62	Ldb1	1.55	Tysnd1	1.58	Ganc	1.58
Matr3	1.58	Ncapd2	1.57	Tegt	1.62	Lin54	1.55	1110021D20Rik	1.57	Hoxb9	1.58
Nup205	1.58	Nup93	1.57	Top1mt	1.62	Ltbp3	1.55	1700022C21Rik	1.57	Htf9c	1.58
Poir2h	1.58	Pipox	1.57	Trefr1	1.62	Mllt2h	1.55	2310009E04Rik	1.57	iftt172	1.58
scl0001849.1_2273	1.58	Prpf4	1.57	2310047M10Rik	1.61	Nudc	1.55	2310016M24Rik	1.57	Josd3	1.58
Slc25a12	1.58	Pts	1.57	2610027L16Rik	1.61	Polrmt	1.55	2510042P03Rik	1.57	LOC232606	1.58
Tbc1d15	1.58	Rai3	1.57	4921521J11Rik	1.61	Pipif	1.55	Blink	1.57	LOC381850	1.58
Tcf3	1.58	Rfc2	1.57	4930583H14Rik	1.61	Ripk1	1.55	D230048P18Rik	1.57	LOC385068	1.58
Tle6	1.58	Sdf2	1.57	4931433E08Rik	1.61	Rpo2tc1	1.55	D330038O06	1.57	Mrpl33	1.58
Zbtb8	1.58	Vars2l	1.57	5730410I19Rik	1.61	Sbsn	1.55	D430042O09Rik	1.57	Nek1	1.58
Zfp371	1.58	Wdr3	1.57	6530401C20Rik	1.61	Serpine2	1.55	E330011I20Rik	1.57	Nup133	1.58
1200016B10Rik	1.57	2310075E07Rik	1.56	Apccd1	1.61	Sprp2a	1.55	Elmo1	1.57	Pabpc1	1.58
2310007G05Rik	1.57	2610510J17Rik	1.56	Bckdhh	1.61	Tk2	1.55	Epb4.114b	1.57	Pnpla2	1.58
2610024N01Rik	1.57	Abcb8	1.56	Bcl2l13	1.61	Tob1	1.55	Fech	1.57	Pold3	1.58
3300001P08Rik	1.57	Ahsa1	1.56	C630022N07Rik	1.61	Zfp574	1.55	Gltscr2	1.57	Rasd2	1.58
4833420N02Rik	1.57	Cdk12	1.56	D15Ertdd621e	1.61	4833420G17Rik	1.54	Hexdc	1.57	Scarb1	1.58
4930539E08Rik	1.57	Chc1	1.56	Dhx15	1.61	A630082K20Rik	1.54	Igfbp6	1.57	scl0003949.1_31	1.58
9630007J19Rik	1.57	Ctia2b	1.56	Dok4	1.61	Arl6ip1	1.54	Kcnk6	1.57	Smyd2	1.58
A630034E16Rik	1.57	Hist2h2aa1	1.56	Esd	1.61	Atp5a1	1.54	LOC381215	1.57	Usp2	1.58
A630046C11Rik	1.57	Hmgcr	1.56	Gcs1	1.61	BC025462	1.54	LOC384801	1.57	1700023B02Rik	1.57
AA175286	1.57	Hmgn2	1.56	Il11	1.61	BC057893	1.54	Lyrm5	1.57	2810410A03Rik	1.57
Ascc3l1	1.57	Hspcb	1.56	Igfb4bp	1.61	Camta2	1.54	Parp3	1.57	2810428C21Rik	1.57
C77032	1.57	L3mbtl2	1.56	LOC242703	1.61	Cpe	1.54	Rab8b	1.57	4933436C20Rik	1.57
C920006O11Rik	1.57	Limk1	1.56	mt-Nd4l	1.61	D1Ertdd161e	1.54	Rarsl	1.57	9130020K20Rik	1.57
Cdccl100	1.57	Mtx1	1.56	Nup85	1.61	Ephb4	1.54	Serf1	1.57	Arsa	1.57
Cct3	1.57	Pcyt1b	1.56	Pipif	1.61	Galt	1.54	Slc15a3	1.57	Cd83	1.57
D930048N14Rik	1.57	Rab32	1.56	Psmd14	1.61	Ghitm	1.54	Slp	1.57	Cda	1.57
Dnajc19	1.57	Taf5l	1.56	Slc5a5	1.61	Hmox1	1.54	sty	1.57	Dnajb12	1.57
Eif3s6ip	1.57	Tipin	1.56	Ttc13	1.61	LOC244710	1.54	Tmem143	1.57	Eif4a2	1.57
Eiac2	1.57	Tub4	1.56	2610017J04Rik	1.60	LOC268569	1.54	Tmem81	1.57	Ephx1	1.57
Elys	1.57	Usp7	1.56	2810422J05Rik	1.60	Macf1	1.54	Tnip1	1.57	Got2	1.57
F730047E07Rik	1.57	2310008H09Rik	1.55	2900026A02Rik	1.60	Nola3	1.56	0610041B22Rik	1.56	Irak1	1.57
Guk1	1.57	4930553C05Rik	1.55	4732486l23Rik	1.60	Nudc-ps1	1.54	1700019H03Rik	1.56	LOC386021	1.57
Hdgf	1.57	5033421J10Rik	1.55	5430400N05Rik	1.60	Oas1g	1.54	2210408F21Rik	1.56	LOC386463	1.57
Klf11	1.57	5430400N05Rik	1.55	6430595O10Rik	1.60	Pex16	1.54	4930524J08Rik	1.56	Mapk3	1.57
Mum1	1.57	9430023L20Rik	1.55	Arfgef1	1.60	Pld1	1.54	4933424A10Rik	1.56	Mcts1	1.57
Pop5	1.57	A230051G13Rik	1.55	Atp1a2	1.60	Plekha7	1.54	8030402P03Rik	1.56	Parp6	1.57
Prmt3	1.57	A430088H15Rik	1.55	Atp6v1e1	1.60	Rab11fip4	1.54	9130223C08Rik	1.56	Ptma	1.57
Prpf3	1.57	C230090D14	1.55	Biklk	1.60	Rsn	1.54	Adam23	1.56	Rpl18a	1.57
Prpsap1	1.57	Cipp	1.55	Cs	1.60	Rtn1	1.54	Adprt2	1.56	Rpl23	1.57
Rps3a	1.57	D930048N14Rik	1.55	G22p1	1.60	Sdhd	1.54	B4gatt1	1.56	1110068E08Rik	1.56
Srpk1	1.57	EG433923	1.55	Gars	1.60	Spec1	1.54	C630002C17Rik	1.56	1810047C23Rik	1.56
Stag3	1.57	Eif3	1.55	Herc4	1.60	Tnfrsf10b	1.54	C920004C08Rik	1.56	2900026A02Rik	1.56
2210015K02Rik	1.56	Fkbp2	1.55	Kif2c	1.60	Wasf1	1.54	Car11	1.56	4632404H22Rik	1.56
2610014H22Rik	1.56	Hic2	1.55	LOC380871	1.60	Wdr3	1.54	Cebpa	1.56	6330403E01Rik	1.56
2810037C03Rik	1.56	Hist1h2bm	1.55	Mgst1	1.60	Zdhc5	1.54	E430030L01Rik	1.56	6430590I03Rik	1.56
3110001H15Rik	1.56	li	1.55	Pigq	1.60	1100001D10Rik	1.53	Etf4	1.56	A630097D09Rik	1.56
3110002L15Rik	1.56	LOC219049	1.55	Rbbp6	1.60	1110001P04Rik	1.53	Extl2	1.56	Aatf	1.56
5031412I06Rik	1.56	LOC239102	1.55	Sec5l1	1.60	1110003E12Rik	1.53	Gsr	1.56	Acbd6	1.56
A630059F13Rik	1.56	LOC380871	1.55	Slc25a30	1.60	4930427A07Rik	1.53	lfnar2	1.56	BC018371	1.56
Ank	1.56	LOC386099	1.55	Slc35f2	1.60	8030499H02Rik	1.53	Igfbp4	1.56	Bms1l	1.56
Brms1	1.56	Mcl1	1.55	Sytl1	1.60	9530027K23Rik	1.53	LOC547343	1.56	C230075L19Rik	1.56
Centb1	1.56	Mcm2	1.55	Tm4sf3	1.60	Aldh1b1	1.53	Nelf	1.56	C430004E15Rik	1.56

Cnksr1	1.56	Mknk2	1.55	Txn1	1.60	Ap3d1	1.53	Nrm	1.56	C85492	1.56
Ddx24	1.56	Mrpl15	1.55	Wdr5	1.60	Arfgef1	1.53	Nucb1	1.56	D230016N13Rik	1.56
E2f4	1.56	Pdgfa	1.55	Zdhhc4	1.60	Atp5g2	1.53	Ospb2	1.56	Dpm3	1.56
Herc4	1.56	Ppp2r2d	1.55	0610040B21Rik	1.59	B430315C20Rik	1.53	Paip2	1.56	Dutp	1.56
Ldh1	1.56	Preb	1.55	1300006C06Rik	1.59	Chd9	1.53	Ptkm	1.56	Elp3	1.56
LOC237081	1.56	Rabgta	1.55	1700051E09Rik	1.59	Dnajc4	1.53	Dnajc4	1.56	F730014I05Rik	1.56
Lsm2	1.56	Rnf5	1.55	2310075A12Rik	1.59	Eblpl	1.53	Ppp2r5a	1.56	Frat2	1.56
Mrps2	1.56	Slc27a2	1.55	2410127L17Rik	1.59	Gmcsit	1.53	Rxrb	1.56	Gmppa	1.56
Mrps5	1.56	Slc5a9	1.55	3110010F15Rik	1.59	Ephx2	1.53	Slc25a39	1.56	Gs2na-pending	1.56
Narg1	1.56	Spc24	1.55	9630007E23Rik	1.59	Galk1	1.53	Zcchc5	1.56	Jmjd2b	1.56
Nudc	1.56	Timp1	1.55	A530082C11Rik	1.59	Gpr125	1.53	0610010I05Rik	1.55	Lancel1	1.56
Pgk1	1.56	1110004P21Rik	1.54	Afpbh	1.59	Ifitm1	1.53	1110014N23Rik	1.55	Mybl2	1.56
Pin4	1.56	1110007L15Rik	1.54	Arid3a	1.59	LOC384677	1.53	1600025D17Rik	1.55	Nudt8	1.56
Pkm2	1.56	1700023M09Rik	1.54	Atp1b3	1.59	LOC386078	1.53	2010106G01Rik	1.55	Prpf38b	1.56
Polg2	1.56	2310022A10Rik	1.54	BC011468	1.59	Lyp1a1	1.53	2010107H07Rik	1.55	Rpain	1.56
Rad52	1.56	2310066N05Rik	1.54	BC023882	1.59	Mad2l2	1.53	2310008H04Rik	1.55	Tgfbr3	1.56
Rbm8	1.56	6720406L13Rik	1.54	E030003N15Rik	1.59	Map11c3b	1.53	2310061J03Rik	1.55	Tlr4	1.56
Rfc2	1.56	Acat2	1.54	F730003H07Rik	1.59	mtDNA_ND4	1.53	2610002D18Rik	1.55	Ttc15	1.56
Sall1	1.56	Ank	1.54	Fbxo42	1.59	Pold1	1.53	2610204M08Rik	1.55	Twsg1	1.56
Sart3	1.56	Aof2	1.54	LOC233053	1.59	Poldip2	1.53	4632413C10Rik	1.55	2810425F24Rik	1.55
Sfrs2ip	1.56	BC051080	1.54	Map3k6	1.59	Ppfia1	1.53	4732437J24Rik	1.55	4930519N13Rik	1.55
Sfrs7	1.56	Bcas2	1.54	Mapk6	1.59	Psip1	1.53	4833420G17Rik	1.55	5031410I06Rik	1.55
Ssbp1	1.56	Bid	1.54	mt-Co2	1.59	Slc25a16	1.53	5730455O13Rik	1.55	5430406J06Rik	1.55
Stk6	1.56	C130027E04Rik	1.54	Prim1	1.59	Snx27	1.53	5830484A20Rik	1.55	A130047F11Rik	1.55
Tbrg4	1.56	C77032	1.54	Rev3l	1.59	St13	1.53	9430098E02Rik	1.55	Abca7	1.55
Tpi1	1.56	Chst7	1.54	scf000636.1_46	1.59	Tmem134	1.53	Acy3	1.55	B230354O11Rik	1.55
1110008P08Rik	1.55	Churc1	1.54	scf000981.1_40	1.59	Traf3	1.53	Aldoa	1.55	BC037034	1.55
1500001M20Rik	1.55	Clu	1.54	Setdb1	1.59	0610007H07Rik	1.52	Arhgap20	1.55	Cdk10	1.55
5730494N06Rik	1.55	Cox17	1.54	Snx16	1.59	1810054D07Rik	1.52	Atp5s	1.55	Chst3	1.55
5730588I11Rik	1.55	Cox7b	1.54	Tfrc	1.59	1810054O13Rik	1.52	BC038286	1.55	Cryz1	1.55
Abtb1	1.55	Dph3	1.54	Tubg1	1.59	2610031L17Rik	1.52	Btd	1.55	Exdl2	1.55
Acas2l	1.55	Ei24	1.54	Usp7	1.59	2610034N24Rik	1.52	Cdh19	1.55	Fahd2a	1.55
Arid2	1.55	Fntb	1.54	Vps53	1.59	5530400K22Rik	1.52	E130309L16Rik	1.55	Glt8d1	1.55
Bspry	1.55	Gtf3a	1.54	Vps54	1.59	A330103N21Rik	1.52	Gm962	1.55	Gn13	1.55
D2Ert4391e	1.55	Helb	1.54	Wwc1	1.59	Al316787	1.52	Gmppa	1.55	Il3ra	1.55
D4Ert432e	1.55	Ing4	1.54	Ywhaz	1.59	B230339M05Rik	1.52	Groc10	1.55	Isyna1	1.55
D9Ert4280e	1.55	Lor	1.54	1700071K01Rik	1.58	C230080I20Rik	1.52	Hoxa2	1.55	LOC384677	1.55
Ddbl1	1.55	Map3k11	1.54	2410008B13Rik	1.58	Clock	1.52	LOC333830	1.55	LOC386112	1.55
Ddx26	1.55	Mrpl10	1.54	2410024A21Rik	1.58	Cltc	1.52	LOC383883	1.55	Mterf-pending	1.55
Faf1	1.55	Mrps10	1.54	2810028N01Rik	1.58	D330045A20Rik	1.52	Mxi1	1.55	Mxd4	1.55
Ghltm	1.55	Mtr	1.54	2810425F24Rik	1.58	Def6	1.52	Pak1	1.55	Pik4ca	1.55
Gytl1b	1.55	Nip7	1.54	4632417K18Rik	1.58	E330018D03Rik	1.52	Pncr2	1.55	Picd3	1.55
Igfbp3	1.55	Nup107	1.54	A630042L21Rik	1.58	Gn13	1.52	Psme2	1.55	Pixnd1	1.55
Lace1	1.55	Nup133	1.54	Alad	1.58	Inpp5f	1.52	1700008D07Rik	1.54	Stk2	1.55
LOC219106	1.55	Pik3cb	1.54	Anp32a	1.58	LOC380625	1.52	2310016F22Rik	1.54	Tlr13	1.55
LOC233053	1.55	Prss25	1.54	C030006K11Rik	1.58	MGC58426	1.52	2610009I02Rik	1.54	Zadh1	1.55
Map3k1	1.55	Rbm3	1.54	Cdkn2b	1.58	Mlpep	1.52	4632408A20Rik	1.54	1110012M11Rik	1.54
Myef2	1.55	scf0003092.1_40	1.54	Cmtm8	1.58	Pip5k2c	1.52	4930564D15Rik	1.54	2310009A05Rik	1.54
Nlk	1.55	Snrpd1	1.54	D19Ert4703e	1.58	Pitpn	1.52	5730578N08Rik	1.54	2310057K05Rik	1.54
Noc4	1.55	Spink2	1.54	E430027O22Rik	1.58	Prep1	1.52	A930005H10Rik	1.54	2610111M03Rik	1.54
Pdss1	1.55	Tbrg4	1.54	Fbp2	1.58	Psap	1.52	A930017E24Rik	1.54	2810405J23Rik	1.54
Pelp1	1.55	Tm4sf1	1.54	Ipmk	1.58	Rreb1	1.52	Abtb1	1.54	9130201F22Rik	1.54
Polr3b	1.55	Tmem46	1.54	Klf3	1.58	scf000981.1_40	1.52	BC042423	1.54	A730017D01Rik	1.54
Rbm26	1.55	1110011K10Rik	1.53	Lbr	1.58	Stat3	1.52	Cugbp2	1.54	AB124611	1.54
Si	1.55	1700007J06Rik	1.53	Nola1	1.58	Tfp53bp1	1.52	Ghrpr	1.54	B230337C21Rik	1.54
Slc25a5	1.55	2410010E00Rik	1.53	Pex14	1.58	Vdp	1.52	LOC243914	1.54	B3gnt6	1.54
Slc5a7	1.55	2610528M18Rik	1.53	Plekhg5	1.58	1110001A12Rik	1.51	MGC6357	1.54	B430109P06Rik	1.54
Wbp11	1.55	3830422K02Rik	1.53	Prpf38a	1.58	20101031E24Rik	1.51	mtDNA_ND5	1.54	BC040823	1.54
Wdr5	1.55	4833420K19Rik	1.53	Rab3a	1.58	2900006A08Rik	1.51	Oas1b	1.54	Bvra	1.54
Zfp35	1.55	5730409G15Rik	1.53	Setd6	1.58	4732496O08Rik	1.51	Pde8a	1.54	Col6a2	1.54
Zfp496	1.55	5830468K18Rik	1.53	Slc5a7	1.58	4921537D05Rik	1.51	Pex11b	1.54	Ep400	1.54
2400009B11Rik	1.54	8030402P03Rik	1.53	Takrp	1.58	5430400N05Rik	1.51	Pixnb3	1.54	Farp2	1.54
2810418N01Rik	1.54	9626962_3	1.53	Unc13b	1.58	6330569M22Rik	1.51	Pnp1a2	1.54	Hirp5	1.54
2810485I05Rik	1.54	9830141K10Rik	1.53	Wisp2	1.58	A730004F22Rik	1.51	Pnpb	1.54	LOC268251	1.54
6230416J20Rik	1.54	A730094H17Rik	1.53	4732455O04Rik	1.57	Adprt12	1.51	Slc16a6	1.54	LOC381105	1.54
A730098D12Rik	1.54	AA409316	1.53	4930427A07Rik	1.57	Al480653	1.51	Sort1	1.54	Lt1	1.54
Anp32a	1.54	A1649392	1.53	4930539E08Rik	1.57	Anp32a	1.51	Tia1	1.54	Mpra	1.54
Atp6v1b2	1.54	BC009118	1.53	Agpat3	1.57	BC038156	1.51	1700023B02Rik	1.53	Mrpl15	1.54
B4galnt4	1.54	Birc7	1.53	BC038286	1.57	CS30043G21Rik	1.51	4930470O13Rik	1.53	Paip2	1.54
BC027246	1.54	C1qtnf1	1.53	Birc1cl	1.57	Chfr	1.51	4930519N13Rik	1.53	Paox	1.54
Cd59a	1.54	Catnbip1	1.53	Cd24a	1.57	Chrd	1.51	9930016I07Rik	1.53	Papd1	1.54
Cdc7	1.54	Cdca5	1.53	Cdca7	1.57	Cog3	1.51	A130010C12Rik	1.53	Rab24	1.54

Cica4	1.54	Clk4	1.53	Chaf1b	1.57	Epb4.9	1.51	Al848259	1.53	Rnaseh1	1.54
D11ErtD759e	1.54	Dnajc15	1.53	D130017D19Rik	1.57	Exoc7	1.51	Bat8	1.53	Rragb	1.54
D1ErtD161e	1.54	Fmn12	1.53	Dhx37	1.57	Golga5	1.51	BC027342	1.53	Sars	1.54
Dars	1.54	Fxyd5	1.53	Hspa5	1.57	H1f0	1.51	BC050210	1.53	Slc9a1	1.54
Dbr1	1.54	Gig1	1.53	Ikzf5	1.57	LOC384161	1.51	C230093N12Rik	1.53	Tob1	1.54
Gemin6	1.54	Gtse1	1.53	Lmnb2	1.57	Pdzd8	1.51	Col6a3	1.53	Ttc3	1.54
Kpna2	1.54	Hnrph1	1.53	LOC232890	1.57	Rabgef1	1.51	Cri1	1.53	Unc84a	1.54
LOC238943	1.54	Ier3	1.53	Man1a2	1.57	Rcl1	1.51	E230027K01Rik	1.53	Unc84b	1.54
Nfyb	1.54	Jmjd1a	1.53	Mipep	1.57	scl0001345.1_85	1.51	Elac1	1.53	Zfp330	1.54
Nip7	1.54	Krt2-6a	1.53	Mtr	1.57	Srm2	1.51	Gria1	1.53	Zfp451	1.54
Prdm2	1.54	Kynu	1.53	Osr1	1.57	St14	1.51	Ifi203	1.53	Zfp96	1.54
Rarres2	1.54	LOC215098	1.53	Ostf1	1.57	Supt6h	1.51	Impdh2	1.53	0610038D11Rik	1.53
Rsrc2	1.54	LOC385957	1.53	Pip2	1.57	Tapbp	1.51	Kcna6	1.53	1500010G04Rik	1.53
Sh3tc1	1.54	Mfng	1.53	Pou6f1	1.57	Tbl3	1.51	LOC245201	1.53	1700021K19Rik	1.53
Srm	1.54	Mrp11	1.53	Rqcd1	1.57	Tcf4	1.51	LOC381142	1.53	1700051112Rik	1.53
Zbtb8os	1.54	Mrps26	1.53	Rsn	1.57	Tiam1	1.51	LOC383802	1.53	2310039H08Rik	1.53
Zfp292	1.54	Pa2g4	1.53	Sdad1	1.57	Tmem19	1.51	Orc3l	1.53	3110040D16Rik	1.53
1110064N10Rik	1.53	Rnf7	1.53	Slc6a8	1.57	Unc84a	1.51	Pdcd11g1	1.53	5630401D06Rik	1.53
1700020C11Rik	1.53	Slc35d3	1.53	Tmem38b	1.57	Wfs1	1.51	Pfc	1.53	9830148G24Rik	1.53
1810060D16Rik	1.53	Smarcd2	1.53	Tmem81	1.57	2310069I04Rik	1.50	Pou2f2	1.53	A430106D13Rik	1.53
2010315L10Rik	1.53	Snrp2	1.53	Tnfsf9	1.57	2410001H17Rik	1.50	Ripk1	1.53	AB041568	1.53
2310001H12Rik	1.53	Tomm40	1.53	Tpd52	1.57	5430411K18Rik	1.50	Shmt1	1.53	Clk1	1.53
2310031L18Rik	1.53	Uaca	1.53	1110063F24Rik	1.56	5730410I19Rik	1.50	Six5	1.53	Gcnt1	1.53
2310047B19Rik	1.53	Unc13a	1.53	2310036D04Rik	1.56	6330580J24Rik	1.50	Zadh1	1.53	Gm114	1.53
2410018M08Rik	1.53	Wdr4	1.53	2400007A17Rik	1.56	Btbd12	1.50	Zfp296	1.53	Hist1h2an	1.53
2610507B11Rik	1.53	1110025F24Rik	1.52	5830411I20	1.56	C4d7	1.50	Zfp50	1.53	LOC224137	1.53
3110050K21Rik	1.53	2210008N01Rik	1.52	6330562C20Rik	1.56	D2ErtD391e	1.50	1110012M11Rik	1.52	LOC242051	1.53
4931407G18Rik	1.53	3010027N08Rik	1.52	A630053N20Rik	1.56	D8ErtD57e	1.50	1110037N09Rik	1.52	LOC383826	1.53
4933437F05Rik	1.53	5430413I02Rik	1.52	Acvr2b	1.56	Gbf1	1.50	2810001G20Rik	1.52	LOC384161	1.53
A630054L15Rik	1.53	A130010C12Rik	1.52	Anxa11	1.56	Glb1	1.50	9130011E15Rik	1.52	Mcoln2	1.53
BC006705	1.53	Alg6	1.52	AW550801	1.56	Glg1	1.50	A530020G20Rik	1.52	Mrp150	1.53
C330005L02Rik	1.53	B930008G03Rik	1.52	C030026E19Rik	1.56	Hipk1	1.50	Ai316807	1.52	Osbp9	1.53
Ccdc95	1.53	BC067068	1.52	Ccnh	1.56	Hoxa9	1.50	B430206E18Rik	1.52	Pigt	1.53
Ccnt2	1.53	Cad	1.52	Cherp	1.56	L3mbtl2	1.50	BC013712	1.52	Pltp	1.53
Cobl	1.53	Cct6	1.52	D130060C09Rik	1.56	Map3k7ip3	1.50	C87436	1.52	Podnl1	1.53
Eml4	1.53	Cd8b	1.52	E430025E21Rik	1.56	Mrp12	1.50	Casp9	1.52	Pter	1.53
Farsb	1.53	Clk1	1.52	Gli3	1.56	Nrd1	1.50	Dlk1	1.52	Rcl1	1.53
Gga3	1.53	D130063H01Rik	1.52	Hoxb7	1.56	Smcr7l	1.50	E030002F19Rik	1.52	Rpl3l	1.53
Gmps	1.53	Dgkz	1.52	Lamb1-1	1.56	Snapap	1.50	H2-T24	1.52	Slc40a1	1.53
Gtf2e1	1.53	DXlmx40e	1.52	LOC241715	1.56	Tmed8	1.50	Il17	1.52	Srfbp1	1.53
Hdac1	1.53	Fbxo7	1.52	LOC268569	1.56			Mpst	1.52	Tpcn2	1.53
Hspd1	1.53	Hspb8	1.52	LOC382016	1.56			Pcca	1.52	Vkorc1	1.53
Kifc5a	1.53	Hspbap1	1.52	LOC385403	1.56			Postn	1.52	1110020K19Rik	1.52
Lrfn1	1.53	LOC245828	1.52	LOC386360	1.56			Rab13	1.52	1300018J18Rik	1.52
Lzf	1.53	Ly86	1.52	Mrp117	1.56			Rab28	1.52	1810015C11Rik	1.52
Mipep	1.53	Map3k6	1.52	Ociad2	1.56			Rpp25	1.52	2010107H07Rik	1.52
Nudc-ps1	1.53	Myc	1.52	Pom121	1.56			Slc5a6	1.52	2410080P20Rik	1.52
Pak4	1.53	Nxt1	1.52	Ppm1b	1.56			Soat1	1.52	2600009E05Rik	1.52
Pms2	1.53	Shroom3	1.52	Psors1c2	1.56			2310011G17Rik	1.51	2610528B01Rik	1.52
Ppih	1.53	Synj2bp	1.52	Psx1	1.56			2410016O06Rik	1.51	4930563B10Rik	1.52
Psmb5	1.53	Umps	1.52	Rabggtb	1.56			2410026K10Rik	1.51	5730427N09Rik	1.52
Rad9b	1.53	1500010J02Rik	1.51	Scamp2	1.56			2600009E05Rik	1.51	Adam17	1.52
Rae1	1.53	1810049H13Rik	1.51	Tcaa2	1.56			4932441K18Rik	1.51	Ahcy11	1.52
Rtn4ip1	1.53	2510005D08Rik	1.51	Trak2	1.56			5330431N19Rik	1.51	D430042O09Rik	1.52
Smg7	1.53	2610019I03Rik	1.51	Txnip	1.56			6330505F04Rik	1.51	E130103I17Rik	1.52
Surf2	1.53	2610318N02Rik	1.51	1100001D10Rik	1.55			6330548G22Rik	1.51	Gas7	1.52
Thoc6	1.53	2810403P18Rik	1.51	1700008I05Rik	1.55			9130422G05Rik	1.51	Gdnf	1.52
1700007K13Rik	1.52	3830408G10Rik	1.51	1700020C11Rik	1.55			A630077B13Rik	1.51	Gtf2h4	1.52
2010305B15Rik	1.52	4732497O03Rik	1.51	1810011016Rik	1.55			Anapc13	1.51	H6pd	1.52
2810432D09Rik	1.52	6330503K22Rik	1.51	2310073E15Rik	1.55			Angei2	1.51	Hist2h2ab	1.52
4930556P03Rik	1.52	6430514L14Rik	1.51	2410039E07Rik	1.55			Apoa1bp	1.51	Ndufs7	1.52
4931433E08Rik	1.52	9626953_2_rc	1.51	3830421F13Rik	1.55			B130050I23Rik	1.51	Nln	1.52
5430440L12Rik	1.52	Abcf1	1.51	4932417I16Rik	1.55			B230333C21Rik	1.51	Ppil1	1.52
9626100_224_rc	1.52	Adprt12	1.51	5730419I09Rik	1.55			BC031353	1.51	Psmb8	1.52
Al481316	1.52	Apoa2	1.51	5830434P21Rik	1.55			Col27a1	1.51	Rbks	1.52
Amn	1.52	Capza1	1.51	9130422G05Rik	1.55			CRG-L1	1.51	Statip1	1.52
Ampd3	1.52	Cd52	1.51	9530027K23Rik	1.55			D10Wsu52e	1.51	Tfam	1.52
BC003885	1.52	Chaf1a	1.51	9930039L23Rik	1.55			Daxx	1.51	Tmem38b	1.52
BC004636	1.52	E130301L11Rik	1.51	A830007P12Rik	1.55			Dgkd	1.51	Vdr	1.52
Bex2	1.52	Epb4.14b	1.51	A930017E24Rik	1.55			E4f1	1.51	1810013D10Rik	1.51
D11ErtD18e	1.52	Fmn2	1.51	Al849286	1.55			Ebf1	1.51	2900045G02Rik	1.51
Dhx16	1.52	Itp3	1.51	Atp10a	1.55			Farp2	1.51	3110021A11Rik	1.51

Dido1	1.52	LOC277860	1.51	Cct8	1.55	Fdxr	1.51	473340105Rik	1.51
Fpgs	1.52	Lsm8	1.51	Cdca3	1.55	Gm885	1.51	4932441P04Rik	1.51
Itih2	1.52	Pigl	1.51	Cdyl2	1.55	Ifi81	1.51	4933435A13Rik	1.51
Laptm5	1.52	Ppp1ca	1.51	Cnksr1	1.55	LOC277193	1.51	8030459N02Rik	1.51
Ldhc	1.52	Ssfa1	1.51	D11Bwg0434e	1.55	mt-Atp6	1.51	9430010O03Rik	1.51
LOC230805	1.52	Ssna1	1.51	Eif4enif1	1.55	Ndst2	1.51	9630044E13Rik	1.51
LOC277837	1.52	Supv3l1	1.51	Ev15	1.55	Perq1	1.51	A230013K13Rik	1.51
Pabpc1	1.52	Tiam1	1.51	Gart	1.55	Pgd	1.51	A230102O09Rik	1.51
Pla2g6	1.52	Tnip1	1.51	Gnl2	1.55	Polg2	1.51	Al429612	1.51
Pramel4	1.52	1110019C06Rik	1.50	Hadhb	1.55	Ptx3	1.51	B230369L08Rik	1.51
Prps1	1.52	2810037C03Rik	1.50	Hdac10	1.55	Stard7	1.51	BC010304	1.51
Rbbp4	1.52	2810432D09Rik	1.50	Ndrgr1	1.55	6230425C21Rik	1.50	BC022224	1.51
scl0002449.1_77	1.52	2810452K22Rik	1.50	Pold3	1.55	Aatk	1.50	BC031601	1.51
Sco1	1.52	3632451O06Rik	1.50	Prkwk1	1.55	Chmp2a	1.50	Bckdk	1.51
Sfrs1	1.52	Clpp	1.50	Prps1	1.55	Dbi	1.50	Cdc40	1.51
Sic20a1	1.52	Deadc1	1.50	Sae1	1.55	Ddit4	1.50	Cdca2	1.51
Vbp1	1.52	Erf2s3y	1.50	Sip1	1.55	Hspa12b	1.50	Colm	1.51
3110018K01Rik	1.51	Hn1f	1.50	Slc7a7	1.55	Lbcl1	1.50	Ctcf	1.51
4933412A02Rik	1.51	Hnrpd1	1.50	Supt16h	1.55	Pigt	1.50	D930008G03Rik	1.51
6030458C11Rik	1.51	Mcee	1.50	Tnfaip2	1.55	Sart1	1.50	Ddx21	1.51
6530401D06Rik	1.51	Pdcd7	1.50	Ywhag	1.55	Tegt	1.50	Fbn2	1.51
A630098G22Rik	1.51	Pip3ap	1.50	1110055N21Rik	1.54	Uhrf2	1.50	Gemin5	1.51
A730094H17Rik	1.51	Ttf2	1.50	1190002L16Rik	1.54	Wwp2	1.50	Kntc1	1.51
Axud1	1.51	Wbscr22	1.50	2010001O09Rik	1.54			LOC280205	1.51
BC020002	1.51			2510002J07Rik	1.54			LOC622404	1.51
BC035291	1.51			5330430P07Rik	1.54			LOC654467	1.51
Bpy2ip1	1.51			9130223C08Rik	1.54			Matr3	1.51
Brf2	1.51			Abtb1	1.54			Mutyh	1.51
Ccdc3	1.51			Acdc	1.54			Napsa	1.51
Crsp3	1.51			Aes	1.54			Narg1f	1.51
Eif2b5	1.51			Aggf1	1.54			Neu1	1.51
Hist1h2bj	1.51			Arhgef1	1.54			Nudt7	1.51
Hist2h2ac	1.51			Arntl	1.54			Ogn	1.51
Kctd3	1.51			AW049765	1.54			P4ha1	1.51
LOC333473	1.51			BC004636	1.54			Pias1	1.51
LOC382153	1.51			Crsp7	1.54			Ptpre	1.51
LOC434858	1.51			Cstf2	1.54			Pycr2	1.51
Nme4	1.51			D15Erd682e	1.54			Rfc4	1.51
Parn	1.51			D15Erd781e	1.54			Sbf1	1.51
Polrmt	1.51			Dutp	1.54			scl000981.1_40	1.51
Ppp1cc	1.51			Elmo3	1.54			Soat1	1.51
Smyd4	1.51			Fez1	1.54			2310057G13Rik	1.50
Snrpa1	1.51			Glg1	1.54			3110057O12Rik	1.50
Sod3	1.51			Kctd3	1.54			AA517739	1.50
Usp26	1.51			LOC236223	1.54			Al875142	1.50
2810028N01Rik	1.50			LOC242051	1.54			Bteb1	1.50
AW550801	1.50			LOC380626	1.54			C79407	1.50
Cpsf1	1.50			Mapk11	1.54			Ddhd2	1.50
LOC382190	1.50			Mkl1	1.54			Eno1	1.50
Oat1	1.50			Nudc-ps1	1.54			Il15ra	1.50
Plekhh1	1.50			Polr3b	1.54			Mtg1	1.50
Rasgrp2	1.50			Ppil1	1.54			Nup85	1.50
Ribc1	1.50			Prmt5	1.54			Psen2	1.50
Smn1	1.50			Riok3	1.54				
Srp9	1.50			Slc2a6	1.54				
Temt	1.50			Spata2	1.54				
				Stac2	1.54				
				Tcfe3	1.54				
				Top2b	1.54				
				Trp53inp1	1.54				
				Ttc35	1.54				
				Zdhhc12	1.54				
				Zdhhc5	1.54				
				1810046J19Rik	1.53				
				1810060D16Rik	1.53				
				2410018E23Rik	1.53				
				4631422C13Rik	1.53				
				4930553M18Rik	1.53				
				6230400G14Rik	1.53				
				9626100_224_rc	1.53				
				9830141K10Rik	1.53				
				Atp2b1	1.53				

BC013491	1.53
BC018507	1.53
Brms1	1.53
Cd59b	1.53
Cdx2	1.53
D230037D09Rik	1.53
Dscr1	1.53
E030041M21Rik	1.53
EG665378	1.53
Golgb1	1.53
Gphn	1.53
Hspca	1.53
LOC214738	1.53
LOC386179	1.53
LOC386270	1.53
Loh12cr1	1.53
Mina	1.53
Mrpl50	1.53
R3hdm1	1.53
Renbp	1.53
Rin3	1.53
Rps27	1.53
Rttm	1.53
Scml4	1.53
Slc6a13	1.53
Tspan7	1.53
Ttc5	1.53
1700064K09Rik	1.52
2310075E07Rik	1.52
2610018I03Rik	1.52
5730527J01Rik	1.52
9430093I07Rik	1.52
A830030H10Rik	1.52
Acpp	1.52
Aifm1	1.52
AW107703	1.52
BC003324	1.52
Cbx1	1.52
Coil	1.52
D030063E12	1.52
Dhrs7	1.52
Eiac2	1.52
Hirip5	1.52
Il28ra	1.52
LOC381297	1.52
Nav1	1.52
Ndr1	1.52
Rabgef1	1.52
Rad1	1.52
Ralbp1	1.52
Rims2	1.52
Rpl21	1.52
S100a15	1.52
Tcfcp2l2	1.52
Trnp2	1.52
Tprkb	1.52
Wdr68	1.52
Wif1	1.52
1110008P14Rik	1.51
1500001M20Rik	1.51
2610041P08Rik	1.51
3110024A21Rik	1.51
4732458O05Rik	1.51
4932443D16Rik	1.51
A730098P15	1.51
Aamp	1.51
Aatf	1.51
Abca3	1.51
Akap8l	1.51
Cct5	1.51
Cd81	1.51
Dnmt1	1.51

E330036119Rik	1.51
Eif4g1	1.51
Eomes	1.51
Ephb6	1.51
Fkbp8	1.51
Ggta1	1.51
Gmnds	1.51
Grc2f	1.51
Itpka	1.51
LOC239727	1.51
LOC386218	1.51
Mapre2	1.51
Metap2	1.51
Nsf	1.51
Rtn4ip1	1.51
scl0003155.1_68	1.51
scl000681.1_2	1.51
Taldo1	1.51
Wdhd1	1.51
Wfs1	1.51
Xpo6	1.51
Zdhc3	1.51
4933427L07Rik	1.50
Card10	1.50
Cdc14b	1.50
Csnk2a2	1.50
Dcun1d4	1.50
Diablo	1.50
Gas6	1.50
LOC384836	1.50
Mcm4	1.50
Narg11	1.50
Nfat5	1.50
Rbbp5	1.50
Sic39a11	1.50
Spp13	1.50
Sympk	1.50
Tbrg4	1.50
Ube2q2	1.50
Ywhae	1.50
Zadh1	1.50

OFKT	Fold vs MEF	OFLT	Fold vs MEF
9626958_317	183.28	9626958_317	232.80
9626100_224	175.49	9626100_224	196.29
9626100_15	163.86	9626100_224	187.05
Aldh3a1	146.48	Saa3	71.83
Lbp	107.71	Ndg2	35.11
0610005K03Rik	89.82	9629514_325	32.50
Scara5	64.56	1200016E24Rik	27.63
Saa3	51.36	Upk3b	26.92
9629514_325	50.44	D11Erttd759e	25.29
Nrn1	48.91	Lpl	23.98
Prg4	34.57	Cxadr	20.93
Ugt1a10	32.88	Wt1	20.88
Daf1	31.30	C3	20.56
1110021N19Rik	29.36	Atp1b1	18.61
Slp	28.05	LOC386192	18.54
Tm4sf3	27.32	Dcn	18.24
Gm484	27.05	scl000057.1_28_REVCOMF	17.48
Ugt1a9	26.83	Mgst1	17.12
Htra3	25.37	Rasl11a	15.66
Selenbp1	22.64	Tcf21	15.09
Emilin2	21.83	Upk1b	14.66
Ly6c	20.69	Gata6	14.16
2610528A11Rik	20.60	B230114P05Rik	13.30
Alox5ap	19.79	2310043N10Rik	13.03
BC018222	19.76	Slc9a3r1	12.52
Lgals7	19.62	6330505N24Rik	12.50
Gstp2	19.15	D1Erttd471e	12.38
LOC233038	18.97	Aldh1a1	12.13
Prep	18.87	18S_rRNA_X00686_301	11.62
Fcgrt	18.56	Cdkn2a	11.44
Serping1	17.99	Bnc1	11.37
Sprr1b	16.95	F730003H07Rik	11.22
Aqp5	16.64	Sfrp1	11.08
Dbp	16.38	Z210415K03Rik	11.06
2310043N10Rik	16.30	LOC386360	10.98
Eraf	16.21	Txnip	10.53
Mgst1	16.16	Igf3p3	10.46
Txnip	16.08	Rpp25	10.40
Gfpt2	15.97	CDKN2A_p16_Ink4a_136	10.29
Mela	15.82	LOC386330	10.14
Krt11-14	15.50	Slc7a3	9.47
Xdh	15.40	4833414E09Rik	9.39
Eno2	15.27	BC064033	9.21
C3	14.74	Rhbdl2	9.03
Itgb4	14.27	F11r	8.95
M32486	14.08	Nme7	8.89
2310061N23Rik	13.99	BC030476	8.87
Mgst2	13.52	6430524C05Rik	8.51
Card4	13.21	scl00003799.1_2	8.29
Spon2	13.16	Tgm2	8.25
4930583H14Rik	13.15	2300009N04Rik	8.08
Aqp3	12.89	Gpm6a	7.91
Orm1	12.81	LOC386112	7.90
Hsd3b7	12.61	6330403M23Rik	7.88
Mrgprf	12.45	Emp2	7.87
Ndrgr1	12.34	1110065D03Rik	7.51
Dcn	11.72	D630040I23Rik	7.35
9930017A07Rik	11.70	Hal	7.33
E430002G05Rik	11.70	Serpinb6b	7.20
Fetub	11.46	Fgf21	7.03
Igf3p6	11.44	1190007F08Rik	6.97
Hsd11b1	11.35	Hap1	6.96
5230401C23Rik	11.30	Avpr1a	6.95
6330406I15Rik	11.10	Prf1	6.86
Sbsn	11.06	Tm4sf3	6.85
Ly6a	11.04	Aldh1l2	6.84
Gstm1	10.78	Amhr2	6.82
Stxbp2	10.51	Fcgrt	6.75
LOC231663	10.43	Cxcl12	6.74

Ndr1	9.91	18S_rRNA_X00686_849	6.62
Pdk1	9.86	Unc13b	6.54
Nt5e	9.77	Card4	6.51
BC030476	9.68	1200015N20Rik	6.49
1810054O13Rik	9.26	Trib3	6.49
5430431G03Rik	9.25	Pdgfra	6.40
Myl7	9.17	4632401N01Rik	6.39
Aox3	9.11	Vil2	6.34
Lrg1	9.05	H2-K1	6.19
Capn5	8.91	H1f0	6.16
D930010J01Rik	8.68	9030611O19Rik	6.06
Pygl	8.66	Ybx3	6.03
Serpina3n	8.64	BC011468	5.89
Htati2	8.46	Mela	5.83
Dmkn	8.45	Angptl6	5.78
Gngt2	8.40	Fbxo2	5.78
7330410H16Rik	8.19	1700029G01Rik	5.77
Ddit4	8.18	LOC385086	5.76
Selenbp2	8.15	1810008K03Rik	5.73
Ypel3	8.15	S100a1	5.72
Prf1	8.12	E130201N16Rik	5.71
Stac2	8.11	Tctcp2l1	5.71
Car12	7.77	Zxda	5.71
Adssl1	7.71	Adamts9	5.64
Ocil	7.71	Gm347	5.62
4632428N05Rik	7.59	Add3	5.61
H2-Ke6	7.55	Grina	5.61
Krtdap	7.52	2310061N23Rik	5.59
Cdc42ep2	7.44	B230208J24Rik	5.58
H6pd	7.43	LOC386169	5.57
Aqp1	7.42	Akr1b3	5.55
Igfbp4	7.40	D430044G18Rik	5.55
2310047115Rik	7.35	LOC386144	5.52
S100a1	7.29	Ris2	5.50
Slpi	7.29	Srr	5.41
Mt1	7.22	Cebpb	5.37
6430559E15Rik	7.08	Bicc1	5.31
Ppp1r3c	7.08	Oasl2	5.30
Vldlr	7.03	C230070D10Rik	5.26
Gdf10	6.86	Ltbp3	5.24
Aldh6a1	6.84	LOC56628	5.21
Ptgs1	6.80	Smpd3	5.17
2310006J04Rik	6.78	LOC385959	5.16
Tle6	6.75	9430052C07Rik	5.12
Rhbdl2	6.74	Vegfa	5.12
Lama5	6.69	Serping1	5.07
2310010M24Rik	6.66	Ugt1a10	5.07
Arg1	6.66	Oplah	5.06
Lpl	6.62	Gm2a	5.05
BC006933	6.60	1110046J11Rik	5.03
Cebpb	6.57	Itpr1	5.03
Socs3	6.57	C230082I21Rik	5.01
4930570C03Rik	6.52	Rin2	5.01
B230343A10Rik	6.51	B930008G03Rik	4.97
Chi3l1	6.44	Tmem108	4.96
Lmo6	6.44	H2-gs17	4.92
5430432N15Rik	6.43	Daf1	4.81
AU018778	6.43	Gp38	4.80
Xlr4a	6.37	Nup210	4.79
Cyp7b1	6.36	2010005O13Rik	4.76
Nnmt	6.34	Dmirta2	4.75
Tlr4	6.33	1810009M01Rik	4.74
Inhbb	6.32	Mif4gd	4.73
Car9	6.27	Lama5	4.72
sc10002617.1_582	6.27	A130062D16Rik	4.70
H2-L	6.24	Rab6b	4.59
Anxa8	6.22	A230050P20Rik	4.56
1810073E21Rik	6.20	E030026I10Rik	4.56
Zxda	6.20	Trf	4.55
Piwil2	6.14	Maf	4.54
Ppap2b	6.14	Col4a5	4.52
Scin	6.13	Timp3	4.51

Akr1c18	6.06	LOC270589	4.49
Cmkor1	6.05	9330117B14	4.47
Fxyd3	6.02	Col5a2	4.47
Immnp2l	5.97	LOC386005	4.45
C730010K05Rik	5.94	Adams2	4.44
Col16a1	5.87	Z310051E17Rik	4.42
Pold4	5.83	Stard5	4.42
AU040950	5.80	Mxra8	4.39
LOC56628	5.78	4930583H14Rik	4.36
Tcfap2c	5.78	Gadd45a	4.36
Thbd	5.76	Chaf1b	4.33
Chrd	5.71	Prph1	4.33
1190003J15Rik	5.70	Al481100	4.31
Rpl22	5.70	Angptl7	4.31
Sgpp1	5.68	Cdkn2c	4.27
Blvrb	5.67	Atf5	4.24
Khk	5.65	AA175286	4.23
Tnxb	5.65	Sfrp2	4.23
Ifi202b	5.63	Ugt1a9	4.23
Z310041H06Rik	5.54	Ypel3	4.22
Arrdc4	5.54	Ptgis	4.21
Erd1	5.53	Hmgb2l1	4.19
Cda	5.50	Clu	4.16
Gstrn2	5.49	Phxr4	4.16
Loh11cr2a	5.47	Tap2	4.15
Sema4a	5.44	Car12	4.14
Chst1	5.42	Edn1	4.13
H2-T23	5.38	Enpp5	4.13
Tmie	5.34	Mmp2	4.13
Ampd3	5.33	Atp10d	4.12
Tnfaip2	5.33	Shroom3	4.12
Mocs1	5.31	Sxbp2	4.12
Fbln1	5.29	Car11	4.11
Z210023G05Rik	5.25	Sepp1	4.11
9630007E23Rik	5.21	D030029J20Rik	4.08
Z310042E22Rik	5.19	Hexdc	4.08
Slc24a6	5.19	Usp18	4.08
Col17a1	5.14	4933439C20Rik	4.06
Il11ra1	5.14	Itga3	4.06
Cbr3	5.10	LOC385923	4.06
Lgals3	5.09	Gtbbp2	4.05
9030408N13Rik	5.07	Pkd2	4.05
Pltp	5.05	Gmpr	4.04
4932409I22Rik	5.02	LOC386078	4.02
Figf	5.01	D12Erd647e	4.01
Ptgis	5.01	Fzd1	3.99
1110046J11Rik	4.99	Ptgs1	3.99
Z310047C17Rik	4.99	Z810417J12Rik	3.98
CDKN2A_p16_Ink4a_136	4.98	Dip3b	3.97
1500005A01Rik	4.95	LOC386021	3.97
Z2010323F13Rik	4.95	Xist	3.97
Akap8l	4.95	Ppp1r9a	3.94
Pfkl	4.95	Bmper	3.92
scl0002507.1_236	4.94	Mtr1	3.92
F11r	4.93	Col8a2	3.90
Clic3	4.92	Slc25a28	3.90
Dhrs7	4.87	Bst2	3.89
Car11	4.85	Ctcf	3.87
5830407P18Rik	4.83	Gpr88	3.87
Ddx3y	4.81	Hspa5bp1	3.87
Epb4.14b	4.81	Spata13	3.87
Syt11	4.79	Cxcl1	3.86
Arrdc3	4.77	mtDNA_ND4L	3.86
Smpd3b	4.73	Ptprs	3.86
H2-Q5	4.72	1110004P21Rik	3.85
Col3a1	4.71	Msh6	3.84
Pdgfra	4.71	Aldh6a1	3.83
Guca1a	4.68	G1p2	3.82
Tir5	4.65	H2-L	3.82
Z2700024H10Rik	4.64	Kcnab1	3.82
H2-D1	4.63	LOC385825	3.81
Tgm2	4.63	LOC228730	3.80

Ugt1a6a	4.63	Nrm	3.77
C330008K14Rik	4.59	1110029I05Rik	3.76
Vars2l	4.59	Suz12	3.76
9130223C08Rik	4.58	Nrm1	3.75
Mal	4.57	mt-Atp6	3.74
Tesc	4.57	Zcwpw1	3.74
5730509K17Rik	4.56	LOC386199	3.73
Abhd14b	4.56	8030451N04Rik	3.71
1110003O08Rik	4.55	9530081N05Rik	3.70
1110065D03Rik	4.55	Chka	3.70
1300017K07Rik	4.54	Igtp	3.69
Arhgef3	4.49	Slc38a2	3.69
E130201N16Rik	4.47	Xdh	3.67
Tcea2	4.47	H2-T9	3.60
B230105J10	4.46	AJ237586	3.59
1200016E24Rik	4.43	Spint1	3.59
Pdim4	4.43	Mlll	3.58
Rasl11a	4.43	Timeless	3.58
Hr	4.42	5730406O18Rik	3.57
Lamb2	4.41	Folr1	3.57
Plekha2	4.41	LOC380706	3.56
Aldh2	4.40	Ddx3y	3.55
Cyp2s1	4.40	Gbp4	3.54
2310056P07Rik	4.39	Pcp411	3.54
Sim2	4.39	D4Ert681e	3.52
C1s	4.38	Zranb3	3.52
Il13ra1	4.38	7420404O03Rik	3.51
Il18	4.38	Al316802	3.51
Msln	4.38	Cd14	3.51
1500012F01Rik	4.37	C030026E19Rik	3.50
Emb	4.36	mt-Nd5	3.48
4732458O05Rik	4.32	C130085D15Rik	3.46
Arhgap20	4.32	Slc3a2	3.46
C1qtnf1	4.30	Cpxm1	3.44
Ak4	4.29	Al481500	3.43
Ltc4s	4.28	Crim2	3.43
1700052O22Rik	4.27	EG665378	3.43
D19Ert144e	4.27	BC052040	3.42
Gm2a	4.27	Gstm2	3.42
5730410E15Rik	4.26	Lbp	3.40
Tgm5	4.26	Dp111	3.39
Gsdmdc1	4.25	Slc7a5	3.39
5730407K14Rik	4.24	Tiam1	3.39
Ccl8	4.23	Lbcl1	3.38
Cdk5rap3	4.23	Casp2	3.37
4632417D23	4.22	5730409K12Rik	3.36
P116	4.21	Birc1cl	3.35
Osr2	4.19	Agm	3.34
Zc3hdc6	4.19	Aplp2	3.32
P2ry14	4.18	Gsta3	3.32
Scd1	4.18	9630025B04Rik	3.31
Amid	4.17	Aebp1	3.31
4930572J05Rik	4.16	AU020206	3.30
Il11ra2	4.15	Lgals3bp	3.30
9030611O19Rik	4.14	Podxl	3.29
Greb1	4.12	D130017D19Rik	3.28
Ndg2	4.12	Drpla	3.28
Krt2-5	4.11	Rgs10	3.28
Ndrp2	4.06	6430510M02Rik	3.27
Nrm	4.06	D330001F17Rik	3.27
Dlx3	4.03	Mcm2	3.27
2010309L07Rik	4.02	B230342M21Rik	3.26
4933439C20Rik	4.02	Enpp4	3.26
9130210N20Rik	4.02	LOC381132	3.26
Tgfb3	4.02	LOC385644	3.26
Cldn11	4.01	Gab1	3.25
Slc44a1	4.01	Nid2	3.25
Dpt	4.00	Rad52b	3.25
E130013N09Rik	3.99	Rhbd4	3.25
Plekha6	3.99	4930519N13Rik	3.24
Enpp2	3.98	Map3k1	3.24
Lyp1a1	3.98	2700094F01Rik	3.23

Col6a3	3.96	3526401B18Rik	3.23
Ptprs	3.96	Mcm4	3.23
Samhd1	3.96	Sema4a	3.22
Chka	3.95	6430706D22Rik	3.21
C730049P21	3.93	B230354O11Rik	3.21
Grina	3.92	Ctdspl	3.21
Tspan32	3.92	LOC386256	3.21
Tap2	3.89	9430068D06Rik	3.20
2410006H16Rik	3.86	BC006933	3.20
Tspan17	3.86	A730054J21Rik	3.19
BC029169	3.85	Gstm1	3.19
H2-gs17	3.85	Lzts2	3.19
Map4k1	3.85	Lamb2	3.18
LOC214403	3.84	Smpd13b	3.18
Vegfa	3.83	Glg1	3.17
Sema4b	3.82	H3f3b	3.17
Cryz	3.81	Sema3f	3.17
EG630499	3.81	Arpc5l	3.16
2310002J15Rik	3.80	Fcho1	3.16
Slc2a1	3.80	Stmn1	3.16
Wnt16	3.80	5830434P21Rik	3.15
Cerk	3.78	LOC385877	3.15
Klra4	3.78	Col16a1	3.14
Lgals3bp	3.78	D130078K04Rik	3.14
1810015A11Rik	3.77	Efna1	3.14
Dync2li1	3.76	Scarf2	3.14
1190007F08Rik	3.75	2900026H06Rik	3.13
1810026C22Rik	3.75	C230093N12Rik	3.13
C4	3.75	2610020H15Rik	3.12
Cdkn2a	3.74	E130107N23Rik	3.12
Rad52b	3.74	1810014F10Rik	3.11
Taz	3.73	Btbd14a	3.11
Abi3	3.72	Cd200	3.11
E030007N04Rik	3.72	1500003O03Rik	3.10
Ivd	3.72	4930570C03Rik	3.10
Klra33	3.72	D330028D13Rik	3.10
Pgm2	3.72	Gsdmdc1	3.10
Rnase4	3.72	Cerk	3.09
0610009J05Rik	3.71	Gabarapl1	3.08
1200015N20Rik	3.71	H2-D1	3.08
Efna1	3.71	4930455F23Rik	3.07
Gabarapl1	3.71	Gaa	3.07
Gnb5	3.71	LOC216674	3.07
A130070G01Rik	3.70	Mkl1	3.07
A630082K20Rik	3.70	Gcnt1	3.06
Cdsn	3.69	LOC333751	3.05
Cata6	3.67	Sfrs6	3.05
Zfp524	3.63	Foxq1	3.04
Srr	3.62	6720469N11Rik	3.03
1200002N14Rik	3.61	2210008I11Rik	3.02
Ifitm1	3.61	Cdon	3.02
Abtb1	3.60	Lmo4	3.02
A1842788	3.60	Nfat5	3.02
Mmp2	3.60	Uaca	3.02
1810049H13Rik	3.59	2810417M05Rik	3.01
Siat10	3.56	Clcn3	3.01
ltpk1	3.55	Dnmt1	3.01
Csnk2a1-rs4	3.54	Lgals7	3.01
D16Ert472e	3.54	Tnfrfp2	3.01
Egln3	3.54	2210419D22Rik	3.00
Sic25a28	3.54	Srrm2	3.00
2610001E17Rik	3.53	Ung	3.00
Acbd4	3.52	1110004P15Rik	2.99
Rab3d	3.52	C130057N11Rik	2.99
D10Jhu81e	3.51	LOC385855	2.99
Car5b	3.49	Pla2g12a	2.99
Jarid1d	3.49	2610019F03Rik	2.98
2210008I11Rik	3.48	Al115600	2.98
5430435G22Rik	3.48	Osbpl9	2.98
D12Ert647e	3.48	Thbd	2.98
Il17rc	3.48	Zfp185	2.98
Abca7	3.46	B330185J12Rik	2.97

Pkp1	3.46	Efemp2	2.97
Tagap	3.43	Plk3cb	2.97
Plod1	3.42	C2	2.96
2210410E06Rik	3.40	Plekhg5	2.96
9030425E11Rik	3.40	A230057M07Rik	2.95
Syt13	3.40	1110036I07Rik	2.94
D1ErtD161e	3.39	5730453I16Rik	2.94
Tpcn2	3.39	Eno2	2.94
Adrb2	3.38	Map4k2	2.94
Fbxo2	3.38	Mcm5	2.94
Gas7	3.37	Tegt	2.94
LOC433224	3.37	2610033H07Rik	2.93
Tek	3.37	Paip2	2.93
9930004G02Rik	3.36	Psip1	2.93
Nek9	3.36	Dhrs6	2.92
Vcan	3.36	E430030L01Rik	2.92
Ccbl1	3.35	5530401J07Rik	2.91
Cd47	3.35	Grb7	2.91
2310079N02Rik	3.33	Hr	2.91
Dip3b	3.33	Lrp1	2.91
Mfsd7	3.33	Smarca2	2.91
Cyp4f13	3.32	Tcf19	2.91
Tst	3.32	Wasl	2.91
Bcl3	3.31	2810485I05Rik	2.90
MGC18837	3.31	5330414D10Rik	2.90
Mnd1	3.30	H2afv	2.90
A930034L06Rik	3.29	LOC216443	2.90
Gpi1	3.29	1300003K24Rik	2.89
Helb	3.29	2310036D22Rik	2.89
LOC208963	3.29	5830411K18Rik	2.89
Uaca	3.29	scl0002624.1_576	2.89
4930504E06Rik	3.28	Sppl3	2.89
C230075M21Rik	3.28	9030612K14Rik	2.88
LOC269251	3.27	LOC386218	2.88
Pk3	3.27	Prkr	2.88
Vdr	3.27	2210417D09Rik	2.87
Plscr4	3.26	BC032203	2.87
S100a13	3.26	Gsr	2.87
Aldoa	3.25	Sipa1I2	2.87
S100a4	3.25	Ccdc111	2.86
6330403M23Rik	3.23	Ith2	2.86
6430628O11Rik	3.23	Trim59	2.86
D15ErtD405e	3.23	1700052O22Rik	2.85
Eif2s3y	3.23	2610007K22Rik	2.85
Fxyd5	3.23	5430432P15Rik	2.85
Krt2-8	3.23	Bnwd1	2.85
0610039N19Rik	3.22	C630022N07Rik	2.85
E130107N23Rik	3.22	Ep400	2.85
lsyna1	3.22	mtDNA_COXII	2.85
Rarres2	3.22	Nlgn2	2.85
A130062D16Rik	3.21	Bscl2	2.84
Irak3	3.21	mt-Nd4l	2.84
9130415E20Rik	3.20	4932439K10Rik	2.83
Sdc1	3.20	LOC386268	2.83
Bcl6	3.18	Pcna	2.83
8430432M10Rik	3.17	Tnrc11	2.83
9330140K16Rik	3.17	Akap9	2.82
Emp2	3.17	Alad	2.82
1110002B05Rik	3.16	Akap8l	2.81
Sic9a1	3.16	mt-Co2	2.81
Frrs1	3.15	Rfx2	2.81
ltpr3	3.14	Hist2h3b	2.80
Trap1	3.14	Phf10	2.80
2310009E04Rik	3.13	Serinc3	2.80
Adamts5	3.13	2700084L06Rik	2.79
D12ErtD553e	3.13	D330024H06Rik	2.79
5430406J06Rik	3.10	Fbln1	2.79
Snapc4	3.10	H2-Q2	2.79
Gphn	3.09	Tjp1	2.79
Gstt3	3.09	Zfpn2	2.79
Gtpbp2	3.09	9330134C04Rik	2.78
Mast3	3.09	Gstt3	2.78

2310051E17Rik	3.08	LOC277837	2.78
E130307M08Rik	3.08	LOC386101	2.78
Rga	3.08	Rev3l	2.78
Srx21	3.08	Al848259	2.77
C230090D14	3.07	Alcam	2.77
E130102H24Rik	3.07	AW123240	2.77
Cyp2d22	3.06	Cd59a	2.77
D4Wsu114e	3.06	1700013H19Rik	2.76
Gvin1	3.06	2310047115Rik	2.76
Map3k7ip1	3.06	Cdca7	2.76
2010110K16Rik	3.05	Dtx3	2.76
Hdac5	3.05	Myd88	2.76
Nfat5	3.05	Sh3md2	2.76
Pdcd4	3.04	E2f1	2.74
Scara3	3.03	Egr1	2.74
Suv420h2	3.03	Gpt2	2.74
Upk1b	3.03	Mark2	2.74
Avpi1	3.02	Rad51c	2.74
Bleb1	3.02	Tcea3	2.74
Cln6	3.02	Cdk5rap3	2.73
Gstk1	3.02	Cox6a2	2.73
Ltbp4	3.02	Foxj2	2.73
Nme3	3.02	Mcm6	2.73
1700051112Rik	3.01	9130422G05Rik	2.72
3110013H01Rik	3.00	A430106D13Rik	2.72
Calm4	2.99	C130092E12	2.72
Zfp496	2.99	Pigt	2.72
LOC547343	2.98	Sort1	2.72
Sdh1	2.97	1110001P04Rik	2.71
Pgk1	2.96	2310016F22Rik	2.71
Dlx1	2.95	4930470O13Rik	2.71
Itga7	2.95	A230062G08Rik	2.71
Rab11fip5	2.95	Ldh2	2.71
0610011F06Rik	2.94	2410039M03Rik	2.70
C230070D10Rik	2.94	2810403A07Rik	2.70
Nfatc4	2.94	4632417D23	2.70
1810057E01Rik	2.93	5930405J04Rik	2.70
Esam1	2.93	D5Erttd579e	2.70
Mmp11	2.93	Epc2	2.70
Zcchc7	2.93	Fkbp5	2.70
0610007N19Rik	2.92	LOC386298	2.70
Eil	2.92	5830411G16Rik	2.69
Plcd3	2.92	Ahnak	2.69
scf0001356.1_58	2.92	BC031601	2.69
Kai1	2.91	LOC237877	2.69
Capg	2.90	Pou6f1	2.69
Ecm1	2.90	A230102O09Rik	2.68
Fbf1	2.90	Pace4	2.68
Osbpl9	2.90	Zfpm1	2.68
Tbc1d2b	2.90	9130020K20Rik	2.67
C230075L19Rik	2.89	E230020D15Rik	2.67
Ccl27	2.89	Gm592	2.67
Perq1	2.89	Kntc1	2.67
4833442J19Rik	2.88	LOC211660	2.67
9930031P18Rik	2.88	NfIB	2.67
Heg1	2.88	Rarres2	2.67
Ogt	2.88	Recc1	2.67
Add3	2.87	Rhou	2.67
LOC245201	2.87	Tgfb3	2.67
Nspc1	2.87	AW212394	2.66
Wisp2	2.87	LOC231663	2.66
Rgs11	2.86	Trim25	2.66
Serpinb6c	2.86	Usp52	2.66
Wipi1	2.86	Ift81	2.65
Adam15	2.85	Matr3	2.65
BC023957	2.85	Ube1l	2.65
H2-M3	2.85	6430567E01Rik	2.64
Lynx1	2.85	Stat1	2.64
Man2c1	2.85	0610041B22Rik	2.63
1110020C13Rik	2.84	D0Kist3	2.63
9030619K07Rik	2.84	H2-Q5	2.63
BC023835	2.84	Inpp1	2.63

D1Ert471e	2.84	Pcdhb22	2.63
Meis1	2.84	9030024J15Rik	2.62
Nfkbiz	2.84	AW549877	2.62
Tmem53	2.84	Il18	2.62
Trim25	2.84	Kdt1	2.62
Cdh13	2.83	Osmr	2.62
D630014A15Rik	2.83	Tmem98	2.62
D9Ert4280e	2.83	LOC381297	2.61
Pcdh21	2.83	Tnrc6c	2.61
Poil	2.83	AW060766	2.60
2310005L22Rik	2.82	B230363H02Rik	2.60
Acvr2b	2.82	Eml3	2.60
Adamts2	2.82	Plscr2	2.60
Glul	2.82	Dscr1l2	2.59
LOC328526	2.82	EfnA5	2.59
Tpon1	2.82	Kpnb1	2.59
0610037M15Rik	2.81	Pip3ap	2.59
C1rl	2.81	D4Ert429e	2.58
5330414D10Rik	2.80	H2-T23	2.58
scl0002975.1_346	2.80	scl0002617.1_582	2.58
A1429612	2.79	5530400K22Rik	2.57
Cspg2	2.79	C86302	2.57
Deadc1	2.79	Gtf2ird2	2.57
lhpk1	2.78	Hp1bp3	2.57
1110012F10Rik	2.77	Lars	2.57
A1839920	2.77	Pole	2.57
Cd34	2.77	Smarca5	2.57
Fyco1	2.77	BC006779	2.56
Rps6ka1	2.77	BC033596	2.56
Slc2a6	2.77	H6pd	2.56
E230029F23Rik	2.76	LOC280097	2.56
Homer2	2.75	LOC381678	2.56
Ksr	2.75	Mocs1	2.56
LOC382127	2.75	Tnfsf13	2.56
Mxi1	2.75	6720425G15Rik	2.55
3632413B07Rik	2.74	Ddb2	2.55
Dcp1b	2.74	Lcn2	2.55
H2-Q2	2.74	Scamp1	2.55
Ngef	2.74	Slc29a1	2.55
P4ha1	2.74	Soat1	2.55
2310061G07Rik	2.73	Xpot	2.55
Il6ra	2.73	Igsf4a	2.54
Bnc1	2.72	Zc3hdc1	2.54
Eif4b	2.72	2810455F06Rik	2.53
Bckdha	2.71	Abca3	2.53
Bscl2	2.71	Centg2	2.53
Ceacam1	2.71	Prmp	2.53
D19Wsu162e	2.71	Ptpns1	2.53
Pfkip	2.71	Sema4b	2.53
Rerg	2.71	Shmt1	2.53
Exosc7	2.70	1110020K19Rik	2.52
Mt2	2.70	9330177P20Rik	2.52
Rpia	2.70	BC002199	2.52
Tnfsf9	2.70	BC065078	2.52
Eppk1	2.69	DXImx50e	2.52
Gstp1	2.69	LOC381739	2.52
Hpgd	2.69	Manba	2.52
LOC381297	2.69	Mmp11	2.52
Mpst	2.69	Socs3	2.52
Rpp25	2.69	Whrn	2.52
sty	2.69	Brrm1	2.51
Tsga2	2.69	C130020C13Rik	2.51
1110061N23Rik	2.68	C1s	2.51
Bcl9l	2.68	LOC383576	2.51
Ctsz	2.68	Snx10	2.51
D430005F24Rik	2.68	Atf4	2.50
D630010B17Rik	2.68	B430119L13Rik	2.50
D15Ert4781e	2.67	D2Bwg1356e	2.50
0710007G10Rik	2.66	D5Ert4585e	2.50
Dnmt3l	2.66	Hs3st1	2.50
E1fa	2.66	Hspa9	2.50
Stard5	2.66	Ppflbp1	2.50

Zbtb8	2.66	3632413B07Rik	2.49
1810073G14Rik	2.64	Chrb1	2.49
Ccn1	2.64	Klhl17	2.49
Clk4	2.64	Maf1	2.49
Ech1	2.64	sci000490.1_983	2.49
Serhl	2.64	Uhrf1	2.49
8430417G17Rik	2.63	Zbtb7	2.49
Cwf19I2	2.63	9830143E02Rik	2.48
LOC384525	2.63	Hat1	2.48
Sesn1	2.63	Kcnc4	2.48
Slc12a8	2.63	LOC223672	2.48
Smpd3a	2.63	LOC386082	2.48
1110018K11Rik	2.62	Lrrc49	2.48
Acadsb	2.62	sci0002883.1_98	2.48
Agxt2I2	2.62	Thsd4	2.48
BC011468	2.62	3110012E06Rik	2.47
Ifitm3	2.62	4930445K14Rik	2.47
Mvp	2.62	A330103N21Rik	2.47
Sprr2a	2.62	AU020772	2.47
C130085D15Rik	2.61	LOC269401	2.47
Irf2	2.61	Prpf18	2.47
LOC382087	2.61	Ptx3	2.47
Mxra8	2.61	5430419F02Rik	2.46
Tspo	2.61	6820427D17Rik	2.46
Zfp692	2.61	9130415E20Rik	2.46
Bnip3l	2.60	9330180L10Rik	2.46
Ganc	2.60	Anapc5	2.46
Gs2na-pending	2.60	Gata2	2.46
Noc2l	2.60	Gm129	2.46
Zfp263	2.60	Hace1	2.46
BC057079	2.59	LOC381150	2.46
Clcn3	2.59	Pfkf	2.46
E430031D18Rik	2.59	1300007L22Rik	2.45
Fzd7	2.59	4833420G17Rik	2.45
H1f0	2.59	C130023A14Rik	2.45
H2-T9	2.59	H2-Ke6	2.45
Map3k6	2.59	Ifi202b	2.45
Slc19a1	2.59	Silg111	2.45
1300006C06Rik	2.58	Zfp367	2.45
2310047A01Rik	2.58	1110003A17Rik	2.44
A030007L17Rik	2.58	4931431C02Rik	2.44
Aim1	2.58	6720475J19Rik	2.44
BC036718	2.58	B130017I01Rik	2.44
LOC214738	2.58	B130055D15Rik	2.44
LOC383077	2.58	D11Bwg0414e	2.44
Pfkm	2.58	E330018D03Rik	2.44
2610018O07Rik	2.57	Fkbp2	2.44
4732456N10Rik	2.57	Osbpl11	2.44
Acp6	2.57	Sesn1	2.44
E130012A19Rik	2.57	8430415N23Rik	2.43
Mapk1ip1	2.57	Arhgap21	2.43
Nup210	2.57	Cdc7	2.43
Prkra	2.57	Dpp7	2.43
Ulk1	2.57	Hsd3b7	2.43
1810013H02Rik	2.56	LOC385068	2.43
Aebp1	2.56	6330503K22Rik	2.42
B930008G03Rik	2.56	Atp1a1	2.42
Col15a1	2.56	C230075M21Rik	2.42
Orm2	2.56	Dek	2.42
Tmem38b	2.56	Ilf10b	2.42
A1314180	2.55	Mthfd2	2.42
BC031353	2.55	Perq1	2.42
Bhlhb2	2.55	Txndc13	2.42
Gmppa	2.55	4930429O20Rik	2.41
Klhl17	2.55	5630401D06Rik	2.41
1700112C13Rik	2.54	Adprt2	2.41
4930455F23Rik	2.54	Erdr1	2.41
5730453H04Rik	2.54	Helb	2.41
Agtrap	2.54	Slc9a1	2.41
D10Bwg0940e	2.54	Wast2	2.41
Hoxa11s	2.54	Whsc1	2.41
Jmjd1a	2.54	1700027N10Rik	2.40

Rxrb	2.54	2610001E17Rik	2.40
scl0002864.1_26	2.54	Aldh2	2.40
Stk24	2.54	BC038286	2.40
Stk32a	2.54	Dync2l1	2.40
Tmc6	2.54	Pold1	2.40
Tpi1	2.54	Psap	2.40
1500004A08Rik	2.53	Spred1	2.40
2900045G02Rik	2.53	4732486I23Rik	2.39
A230062G08Rik	2.53	4921518A06Rik	2.39
Arsa	2.53	Ciz1	2.39
Gja1	2.53	Ctf1	2.39
2210408F11Rik	2.52	Fgf10	2.39
2610203E10Rik	2.52	Sgpp1	2.39
5730577G12Rik	2.52	Zfx	2.39
A130019A16Rik	2.52	4432411E13Rik	2.38
B430104H02Rik	2.52	E130014J05Rik	2.38
Fars2	2.52	Ganab	2.38
LOC383540	2.52	Nupr1	2.38
Mscp	2.52	Abhd14b	2.37
Ptpns1	2.52	Armcx3	2.37
Stk38l	2.52	Lox	2.37
2610305D13Rik	2.51	Mknk1	2.37
Fbxo31	2.51	Myst4	2.37
Insig2	2.51	Psmb8	2.37
Lgals4	2.51	2210018M11Rik	2.36
LOC245676	2.51	5330401P04Rik	2.36
Slk	2.51	Smc1a	2.36
Lbcl1	2.50	Tia1	2.36
LOC230253	2.50	Bzrap1	2.35
LOC245069	2.50	Col3a1	2.35
Nupr1	2.50	Isyna1	2.35
D11ErtD759e	2.49	LOC208055	2.35
Gltscr2	2.49	Rga	2.35
Limk1	2.49	0610009O03Rik	2.34
LOC235860	2.49	1700030K09Rik	2.34
LOC381739	2.49	8030499H02Rik	2.34
scl0001379.1_70	2.49	C130080K17Rik	2.34
2010315L10Rik	2.48	E430026C09Rik	2.34
Anxa11	2.48	Mast3	2.34
Eif4a2	2.48	Yeats2	2.34
Lrrc49	2.48	1200002N14Rik	2.33
scl0001276.1_18	2.48	1200015E14Rik	2.33
Adck5	2.47	1700012B18Rik	2.33
E430026C09Rik	2.47	2310022B05Rik	2.33
Mll	2.47	5033403D15Rik	2.33
Sphk1	2.47	Adm2	2.33
Usp3	2.47	B230369L08Rik	2.33
1110048D14Rik	2.46	Sim2	2.33
1600010D10Rik	2.46	1300006M19Rik	2.32
6330406L22Rik	2.46	Adck5	2.32
Adck4	2.46	Aldh3a2	2.32
B230342M21Rik	2.46	BC018507	2.32
Clk1	2.46	Cggbp1	2.32
Sepp1	2.46	lft172	2.32
Smardc2	2.46	Lrrc1	2.32
1700023B02Rik	2.45	Rsn	2.32
5730594E01Rik	2.45	Shrm	2.32
Bre	2.45	2810439M11Rik	2.31
Pou6f1	2.45	Adnp	2.31
Smcx	2.45	Aff1	2.31
Tcirg1	2.45	Arid5b	2.31
A530050D06Rik	2.44	LOC386233	2.31
BC032203	2.44	Ubp1	2.31
D230048P18Rik	2.44	Zfp187	2.31
Nfkbia	2.44	1110028E10Rik	2.30
Rad52	2.44	4931406P16Rik	2.30
2610301N02Rik	2.43	A130070G01Rik	2.30
Chd7	2.43	Aadacl1	2.30
Edn2	2.43	Catnal1	2.30
Kctd2	2.43	Eif2s2	2.30
5830427D02Rik	2.42	Enpp2	2.30
Ddb2	2.42	Hexb	2.30

H2-Q6	2.42	LOC381105	2.30
Ssbp4	2.42	Z510004L01Rik	2.29
Syt8	2.42	Adipor2	2.29
1810032O08Rik	2.41	Chrd	2.29
3300005D01Rik	2.41	Fads1	2.29
9530025L16Rik	2.41	Grhpr	2.29
Ccrk	2.41	Ilvbl	2.29
Coasy	2.41	Rab3d	2.29
Creld1	2.41	1200009F10Rik	2.28
Myo1g	2.41	Asns	2.28
Nisch	2.41	Atad4	2.28
Serinc3	2.41	Cyp2s1	2.28
Tkt	2.41	Slp	2.28
2810422J05Rik	2.40	Arhgef11	2.27
Cib2	2.40	Brip1	2.27
D130017D19Rik	2.40	Man2b1	2.27
Gpx3	2.40	Rnf44	2.27
Hbp1	2.40	Rpa1	2.27
Sdccag33	2.40	Stag3	2.27
Slc29a1	2.40	A730017D01Rik	2.26
1110006G06Rik	2.39	Acd	2.26
1110067B18Rik	2.39	LOC328526	2.26
2810410A03Rik	2.39	Mafg	2.26
Ascc1	2.39	Mapk12	2.26
B830007D08Rik	2.39	Rad50	2.26
Cd9	2.39	Ripk1	2.26
Tnip1	2.39	Rpl23	2.26
1110038B12Rik	2.38	Scap	2.26
D430007A19Rik	2.38	Smek1	2.26
Mrpl23	2.38	1700013G10Rik	2.25
Nfil3	2.38	Z310038D14Rik	2.25
scl000292.1_12	2.38	5430431G03Rik	2.25
Stk2	2.38	Al429612	2.25
Trem2	2.38	Aldh1a2	2.25
0610009O03Rik	2.37	Anxa4	2.25
9130020K20Rik	2.37	Capn5	2.25
Glt8d1	2.37	Ddit3	2.25
Slc25a39	2.37	Haghl	2.25
BC023754	2.36	Rps6ka1	2.25
Polg2	2.36	Rras2	2.25
Wdr21	2.36	Sdsl	2.25
5730593N15Rik	2.35	Twsg1	2.25
LOC384710	2.35	Zfp101	2.25
Rcor1	2.35	6430550H21Rik	2.24
lsg20	2.34	Aim1	2.24
LOC239083	2.34	Epb4.1	2.24
LOC381215	2.34	Gtf2i	2.24
Nenf	2.34	LOC386123	2.24
Sdfr2	2.34	Myo9a	2.24
Sod2	2.34	Pgcp	2.24
Tacstd2	2.34	Plekha4	2.24
Tnfrsf4	2.34	Sdfr2	2.24
1110007C02Rik	2.33	Sprr1a	2.24
1110054N06Rik	2.33	Synpo	2.24
Grhpr	2.33	Timp2	2.24
Smarca2	2.33	Trtp2	2.24
C130064E22Rik	2.32	Vcam1	2.24
Gstz1	2.32	0610009J05Rik	2.23
H2-T10	2.32	1110031M08Rik	2.23
Ndufa6	2.32	C230075L19Rik	2.23
Pddc1	2.32	Gpc2	2.23
scl000490.1_983	2.32	Shmt2	2.23
Hp	2.31	Stat3	2.23
Lip1	2.31	Tpi1	2.23
Rmnd1	2.31	Zkscan1	2.23
Uhrf2	2.31	2610507B11Rik	2.22
0610037D15Rik	2.30	Z900045N06Rik	2.22
Al451557	2.30	9930031P18Rik	2.22
Attp	2.30	A230072I16Rik	2.22
BC033596	2.30	B4galT4	2.22
BC038286	2.30	Bat5	2.22
Dvl1	2.30	Cdsn	2.22

Egfl4	2.30	Cyp4f13	2.22
Ephx1	2.30	E030024L06Rik	2.22
Hibadh	2.30	Ephb4	2.22
Sympk	2.30	Hint2	2.22
6430573H23Rik	2.29	mtDNA_ATP8	2.22
9830001H06Rik	2.29	Tsc22d3	2.22
Cgnl1	2.29	Usp21	2.22
Eps8l2	2.29	2700067E09Rik	2.21
Klf4	2.29	4732477G22Rik	2.21
LOC244710	2.29	B430007K19Rik	2.21
Per1	2.29	Leprot1	2.21
Pxmp4	2.29	LOC380626	2.21
Sfxn1	2.29	Mgst2	2.21
BC030499	2.28	Ocil	2.21
Gpr133	2.28	Pros1	2.21
Fpp3ca	2.28	Scd1	2.21
Serpnb6a	2.28	1110007C02Rik	2.20
Slc22a4	2.28	3002006F17Rik	2.20
Suclg2	2.28	4632413C10Rik	2.20
BC020108	2.27	A230103N10Rik	2.20
Fahd1	2.27	BC016608	2.20
Gcs1	2.27	BC042423	2.20
Ifi205	2.27	Cd47	2.20
A930039N10Rik	2.26	Edd1	2.20
Dpm3	2.26	Map2k1	2.20
Foxq1	2.26	Ncor1	2.20
Ifi172	2.26	0610040B21Rik	2.19
Ly6d	2.26	1700051112Rik	2.19
Pkm2	2.26	5530400P07Rik	2.19
Psap	2.26	Adam9	2.19
Rpl4	2.26	Arid2	2.19
1500001E21Rik	2.25	Clic4	2.19
1810037J08Rik	2.25	Eif4enif1	2.19
2310014H19Rik	2.25	Gpr125	2.19
4632413C10Rik	2.25	Hspa2	2.19
9530090G24Rik	2.25	Pnpr	2.19
Col4a5	2.25	Tbc1d2b	2.19
Gaa	2.25	Abtb1	2.18
lkbkg	2.25	Blvra	2.18
LOC386192	2.25	Ccnl	2.18
Ptprz1	2.25	Eps8	2.18
Slc6a4	2.25	Fn1	2.18
Snta1	2.25	Gbp2	2.18
Usp52	2.25	LOC547343	2.18
2810474O19Rik	2.24	Mum1	2.18
BC022645	2.24	Tjp2	2.18
Ccdc111	2.24	4632427E13Rik	2.17
Eef2	2.24	9130210N20Rik	2.17
Gata2	2.24	9830141K10Rik	2.17
Gpr120	2.24	Ep300	2.17
Hspb8	2.24	G22p1	2.17
Lnx2	2.24	Herpud1	2.17
LOC228730	2.24	Llgh2	2.17
Ppm1k	2.24	Rela	2.17
Rin2	2.24	0610010I05Rik	2.16
Slc25a1	2.24	1110003O08Rik	2.16
2600005C20Rik	2.23	1110067B18Rik	2.16
A230057M07Rik	2.23	Dhrs7	2.16
Ak3	2.23	Fem1b	2.16
B930030B22Rik	2.23	Gm114	2.16
BC014795	2.23	Mad2l2	2.16
Gpr108	2.23	Numa1	2.16
Pps	2.23	Ogt	2.16
Rras	2.23	1300006C06Rik	2.15
AA467197	2.22	2810012G03Rik	2.15
AJ237586	2.22	5930412E23Rik	2.15
BC003277	2.22	Chkb	2.15
D330001F17Rik	2.22	Metapl1	2.15
D330008I21Rik	2.22	Vhhl	2.15
Esd	2.22	2210417J20Rik	2.14
lqwd1	2.22	6330407D12Rik	2.14
McpH1	2.22	BC008155	2.14

Supt3h	2.22	Csad	2.14
Abcc4	2.21	Ctsl	2.14
AL033326	2.21	Cwf19l2	2.14
BC052040	2.21	Dlg3	2.14
C130089M10Rik	2.21	Zfp36l1	2.14
Emi3	2.21	D19Erttd721e	2.13
Hint2	2.21	E030038D23Rik	2.13
Ifitm2	2.21	Fth1	2.13
Mustn1	2.21	Golga1	2.13
Oplah	2.21	Hdac6	2.13
5730406M06Rik	2.20	Lin54	2.13
Hars2	2.20	Ulk1	2.13
Kcnab2	2.20	Vldlr	2.13
2510048K03Rik	2.19	2610024E20Rik	2.12
B230386D16Rik	2.19	2810423O19Rik	2.12
Bmp1	2.19	9830139D05Rik	2.12
D3Erttd194e	2.19	A630054L15Rik	2.12
Evc2	2.19	B130038B15Rik	2.12
H2-K1	2.19	B3gnt6	2.12
Nit1	2.19	Cchcr1	2.12
scl0002337.1_39	2.19	D5Bwg0834e	2.12
Socs2	2.19	D9Wsu20e	2.12
Trps1	2.19	Hoxc6	2.12
1700030K09Rik	2.18	Ormdl3	2.12
2210419D22Rik	2.18	Tuscd4	2.12
4930519N16Rik	2.18	2410118P20Rik	2.11
D8Erttd354e	2.18	6430628O11Rik	2.11
Dci	2.18	A730094H17Rik	2.11
Gadd45a	2.18	C430010P07Rik	2.11
Itgb7	2.18	Camta2	2.11
LOC384596	2.18	D230016N13Rik	2.11
Tnfrsf1a	2.18	D430022H17Rik	2.11
Upk3b	2.18	E030007N04Rik	2.11
Aup1	2.17	Echdc2	2.11
B230208J24Rik	2.17	Gcc2	2.11
BC011120	2.17	Hmgn1	2.11
Ccnbdp1	2.17	lsgf3g	2.11
D030017L14Rik	2.17	LOC382237	2.11
D830007E07Rik	2.17	Myo18a	2.11
Ece1	2.17	Ptptra	2.11
ldh1	2.17	Sox12	2.11
Nr1d1	2.17	Tacc1	2.11
Palm	2.17	Ypel1	2.11
Pcolce	2.17	5830407P18Rik	2.10
1110036D12Rik	2.16	A730004F22Rik	2.10
4932441K18Rik	2.16	Arhgef19	2.10
AI450948	2.16	LOC386094	2.10
LOC381300	2.16	Morc3	2.10
LOC383850	2.16	4930431L18Rik	2.09
Map3k1	2.16	4930521E07Rik	2.09
Osbpl2	2.16	A630056H20Rik	2.09
Prdx5	2.16	Csnk1g3	2.09
Rab38	2.16	Gbx2	2.09
2610204M08Rik	2.15	Hist2h3c1	2.09
Adh1	2.15	Krtcap3	2.09
D15Erttd735e	2.15	Ndrgr1	2.09
D2Bwg0891e	2.15	Psme1	2.09
Dtx3	2.15	BC066140	2.08
Fbxl6	2.15	E030002F19Rik	2.08
Grb7	2.15	Emb	2.08
LOC383802	2.15	Ltbp4	2.08
Mknk2	2.15	Man2c1	2.08
Osmr	2.15	Sdf4	2.08
Rassf5	2.15	Sdh1	2.08
Serpinb6b	2.15	Slc23a2	2.08
Tuft1	2.15	Tmem53	2.08
9630032J03Rik	2.14	2810470K03Rik	2.07
Acas2	2.14	Atr	2.07
Coq2	2.14	BC034054	2.07
Cyb5f3	2.14	Cmtm8	2.07
Il17r	2.14	D2Bwg1423e	2.07
LOC381140	2.14	Gas6	2.07

Ltbp3	2.14	Ifi47	2.07
mt-Co2	2.14	Msln	2.07
Nktr	2.14	Nqo3a2	2.07
rp9	2.14	Rspndin	2.07
S3-12	2.14	Spry3	2.07
9430008C03Rik	2.13	Stc2	2.07
9530082115Rik	2.13	5430405G24Rik	2.06
Chchd5	2.13	5830427D02Rik	2.06
Rcl1	2.13	Agtrap	2.06
Vamp4	2.13	Azi1	2.06
2310020F24Rik	2.12	D930002M03Rik	2.06
Ckmt1	2.12	D930008G03Rik	2.06
Dgka	2.12	Nr6a1	2.06
Fah	2.12	Plscr4	2.06
Impdh2	2.12	Spop	2.06
Plek2	2.12	Vps54	2.06
Serpnb11	2.12	1110001C23Rik	2.05
Sqrdl	2.12	1110008I14Rik	2.05
Tbc1d15	2.12	Al851464	2.05
0610007C21Rik	2.11	B230339M05Rik	2.05
BC021381	2.11	Bex4	2.05
Capn1	2.11	C430014N20Rik	2.05
Frag1	2.11	Cdo1	2.05
Neil1	2.11	Ctsz	2.05
Paox	2.11	D230021E06Rik	2.05
Srrm2	2.11	Ifit2	2.05
Tgfb2	2.11	Lamp2	2.05
Thra	2.11	Nfe2l1	2.05
Tir2	2.11	B830009D23Rik	2.04
1700037H04Rik	2.10	BC026590	2.04
A230057G18Rik	2.10	Crsp3	2.04
A730023M06Rik	2.10	Drr1	2.04
Fbxo6b	2.10	E330036I19Rik	2.04
Ghitm	2.10	Fyco1	2.04
Itga2b	2.10	Phf2	2.04
MTERF	2.10	Pkmyt1	2.04
Numa1	2.10	Rab11fip3	2.04
2810405K02Rik	2.09	Scara3	2.04
Angptl4	2.09	Scel	2.04
AW551984	2.09	1110037N09Rik	2.03
B4galnt4	2.09	2610017J04Rik	2.03
Pim3	2.09	Cdc42ep3	2.03
Zfp50	2.09	Epc1	2.03
1200015E14Rik	2.08	LOC229599	2.03
9130422G05Rik	2.08	LOC245201	2.03
A830007P12Rik	2.08	Luc7l2	2.03
BC028528	2.08	Pde8a	2.03
Cdca7	2.08	Psmc3ip	2.03
Cpt2	2.08	Trim39	2.03
Haghl	2.08	Uap1l1	2.03
Hlcs	2.08	4632417K18Rik	2.02
Jmjd2b	2.08	Aldh18a1	2.02
LOC232606	2.08	B230333E16Rik	2.02
LOC384593	2.08	Etfa	2.02
Osgep	2.08	F830002E14Rik	2.02
Parp6	2.08	Renbp	2.02
Pex11b	2.08	Scamp2	2.02
Pex6	2.08	Usp54	2.02
Sectm1	2.08	2210011C24Rik	2.01
3110001N18Rik	2.07	2310011G17Rik	2.01
4631423B10Rik	2.07	3230401D17Rik	2.01
5730409G15Rik	2.07	Aars	2.01
Fbxl20	2.07	Al551093	2.01
Fkbp11	2.07	Ankrd10	2.01
Man2a1	2.07	B930074N03Rik	2.01
Nlf3	2.07	Bace1	2.01
Plf2	2.07	Gars	2.01
Sspn	2.07	Gsta4	2.01
Tmed10	2.07	Lt1	2.01
2810439F02Rik	2.06	Mtbp	2.01
Abcd4	2.06	mt-Nd1	2.01
BC010304	2.06	Pacs1	2.01

Gjb3	2.06	Ppp1r3c	2.01
Nos3as	2.06	Sec15l1	2.01
A930025D01Rik	2.05	Tlk1	2.01
Acaa1	2.05	Tmem50a	2.01
Ankrd28	2.05	Ube2h	2.01
Dnajc4	2.05	2700049A03Rik	2.00
Gm1157	2.05	2700081O15Rik	2.00
Ift140	2.05	9630007J19Rik	2.00
Igbb1	2.05	D19Ert703e	2.00
Sema5a	2.05	Gosr1	2.00
Zfp94	2.05	Hcfc1	2.00
Akr1b3	2.04	LOC226017	2.00
Araf	2.04	Pkhd11	2.00
Afhgap18	2.04	1110003E12Rik	1.99
Avpr1a	2.04	1110055N21Rik	1.99
BC018601	2.04	Atpf1	1.99
Dixdc1	2.04	BC023181	1.99
Gsc	2.04	C730026O12Rik	1.99
Psmb9	2.04	Ccnt2	1.99
Slc5a3	2.04	Cdh3	1.99
0610009O20Rik	2.03	Gps2	1.99
2610003J06Rik	2.03	lqce	1.99
2810417M05Rik	2.03	Luzp1	1.99
3110056O03Rik	2.03	Mgat3	1.99
Azi1	2.03	Parp14	1.99
Cd164	2.03	Poli	1.99
Chst12	2.03	Sf3b2	1.99
Edd1	2.03	Tmem63a	1.99
LOC382010	2.03	5430434G16Rik	1.98
Rgpr	2.03	5730509K17Rik	1.98
Sirt3	2.03	9930105H17Rik	1.98
Zfp451	2.03	Ascc3l1	1.98
1300018J18Rik	2.02	B230105J10	1.98
1500032D16Rik	2.02	BC030863	1.98
2600002E23Rik	2.02	BC062951	1.98
2700049A03Rik	2.02	Bteb1	1.98
Bmf	2.02	Hectd1	1.98
Ly6g6c	2.02	Hist1h3h	1.98
Mgll	2.02	Hoxa7	1.98
Prss25	2.02	Isg20	1.98
Sh3tc1	2.02	Rpl22	1.98
Slc23a3	2.02	Rtn3	1.98
1810059G22Rik	2.01	Spna2	1.98
Aldh3a2	2.01	Sv2a	1.98
Atp10d	2.01	2010204115Rik	1.97
Bcap29	2.01	Arb2	1.97
Cchcr1	2.01	Axin	1.97
D030068L24Rik	2.01	D230048P18Rik	1.97
Ddx11	2.01	Egfl4	1.97
G22p1	2.01	Hdac5	1.97
Hk1	2.01	LOC214403	1.97
Hpse	2.01	LOC622404	1.97
Nfix	2.01	Oact1	1.97
Nos3	2.01	Prkar1a	1.97
Rbpms	2.01	Rps15a	1.97
Rhou	2.01	Sdpr	1.97
Slc25a30	2.01	Sez6l	1.97
Snx14	2.01	Socs5	1.97
Stat3	2.01	Sbx12	1.97
Trak1	2.01	A730063M14Rik	1.96
Usp20	2.01	Al875142	1.96
Vkorc1	2.01	Bat2	1.96
Zadh2	2.01	H2-T17	1.96
2300009A05Rik	2.00	Hmgb1	1.96
4732479N06Rik	2.00	InsI6	1.96
4931431L11Rik	2.00	LOC386246	1.96
5930412E23Rik	2.00	LOC386270	1.96
6430540M20Rik	2.00	mtDNA_ND5	1.96
BC031781	2.00	Mxi1	1.96
C530036F05Rik	2.00	1110031I02Rik	1.95
Cat	2.00	4432416O06Rik	1.95
Dap	2.00	App	1.95

F630047D10Rik	2.00	D15Bwg0759e	1.95
ltp2	2.00	Dnchc1	1.95
LOC381105	2.00	Fosb	1.95
Narg2	2.00	ldh2	1.95
Pink1	2.00	Mast2	1.95
Ppnr	2.00	Osbp12	1.95
Sdf4	2.00	Plekha2	1.95
Sfrp2	2.00	Pole4	1.95
Siat7d	2.00	scl0003300.1_40	1.95
Sipa111	2.00	l300018l05Rik	1.94
Tubg2	2.00	2700007B13Rik	1.94
Wbscr21	2.00	2810422M04Rik	1.94
1700021C14Rik	1.99	A930039N10Rik	1.94
2310005O14Rik	1.99	Arhgap18	1.94
Adcy9	1.99	B930030B22Rik	1.94
B230205C01Rik	1.99	Ccar1	1.94
Cbx7	1.99	Falz	1.94
LOC385461	1.99	Foxj3	1.94
Mgst3	1.99	Mbp	1.94
Prkcn	1.99	Myo9b	1.94
0610039J04Rik	1.98	Pbx1	1.94
2010002H18Rik	1.98	Rfc5	1.94
4632408A20Rik	1.98	Stk38l	1.94
Aes	1.98	Tpd52l2	1.94
Crabp2	1.98	Wdr9	1.94
D130052N13Rik	1.98	Zfyve26	1.94
Gls2	1.98	17000023F06Rik	1.93
Grcc10	1.98	4632411B12Rik	1.93
Il1r2	1.98	5330401F18Rik	1.93
LOC381578	1.98	Abca7	1.93
LOC383227	1.98	BC013529	1.93
Ndst2	1.98	C030027K23Rik	1.93
Npc2	1.98	Ccl27	1.93
Scel	1.98	Cp	1.93
Tusca4	1.98	Dag1	1.93
A530065E19Rik	1.97	Dnajb10	1.93
Akl3l-pending	1.97	Evi5	1.93
Arhgef19	1.97	Fbxo21	1.93
Eps8	1.97	Fibp	1.93
LOC383775	1.97	Gtf2h3	1.93
Mrpplf3	1.97	H3f3a	1.93
Preb	1.97	Hspb6	1.93
4631405K08Rik	1.96	Kcnab2	1.93
BC035291	1.96	LOC386288	1.93
Btg1	1.96	Mcc	1.93
Dapk1	1.96	Mccc1	1.93
Dusp11	1.96	mt-Nd4	1.93
Lgals8	1.96	Pald	1.93
LOC225058	1.96	Prkcabp	1.93
LOC381448	1.96	Ptma	1.93
Mrp124	1.96	scl0004176.1_1597	1.93
Phr1	1.96	Smcx	1.93
Spry3	1.96	2610014F08Rik	1.92
St6gal1	1.96	Atp2a3	1.92
Tmbim1	1.96	BC031781	1.92
Vegfb	1.96	Bcl6	1.92
4833414E09Rik	1.95	Btbd12	1.92
5730494N06Rik	1.95	C130099A20Rik	1.92
Cab39l	1.95	Ctsb	1.92
E4f1	1.95	Ddr1	1.92
Enah	1.95	E330036C13Rik	1.92
Il13ra2	1.95	F830029L24Rik	1.92
Kcnk5	1.95	lfit3	1.92
Mpra	1.95	LOC381219	1.92
Oas2	1.95	Mtmt1	1.92
Ppp2r5a	1.95	VeZF1	1.92
Prpf40b	1.95	Wdr45	1.92
Ripk4	1.95	Wsb1	1.92
Slc38a2	1.95	5830467J12Rik	1.91
Slc4a8	1.95	9930033H14Rik	1.91
Snapap	1.95	A430107N12Rik	1.91
Stat5a	1.95	Abi2	1.91

2310043J07Rik	1.94	App12l	1.91
2410024A21Rik	1.94	Arpp19	1.91
4631426J05Rik	1.94	B3bp	1.91
4921518A06Rik	1.94	BC038156	1.91
Crim2	1.94	Cdk5rap2	1.91
lfngr2	1.94	Cib2	1.91
LOC381629	1.94	Keo4	1.91
Mgam	1.94	Lgals8	1.91
Mpo	1.94	LOC243245	1.91
1110018J18Rik	1.93	Mbc2	1.91
2310016M24Rik	1.93	Prpf19	1.91
2610019E17Rik	1.93	Set7	1.91
4931431C02Rik	1.93	Sfrs7	1.91
9330180L10Rik	1.93	Slc4a3	1.91
9530058B02Rik	1.93	Spag5	1.91
A430070A22Rik	1.93	Syncrip	1.91
Anpep	1.93	Z210410P13Rik	1.90
Axl	1.93	Z510003E04Rik	1.90
Bmp8a	1.93	A130019A16Rik	1.90
C130074J06Rik	1.93	AU040829	1.90
Dnase111	1.93	Cdk2	1.90
Gnb2-rs1	1.93	D8Etd587e	1.90
ldh3g	1.93	E130307J07Rik	1.90
Mapbbip	1.93	Gpt1	1.90
mtDNA_ND4L	1.93	Hax1	1.90
Pnpla2	1.93	lsg20l2	1.90
Them2	1.93	Laf4l	1.90
Tmem63a	1.93	Mmp17	1.90
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2410118P20Rik	1.92	Smad5	1.90
4933436C20Rik	1.92	Tbk1	1.90
Eef1a2	1.92	Wbp2	1.90
Glud1	1.92	Wm	1.90
Gmp	1.92	Zfp692	1.90
Jak3	1.92	6330412F12Rik	1.89
Nfs1	1.92	6430407L02Rik	1.89
Ppox	1.92	6430562A12Rik	1.89
Rab3il1	1.92	A730023M06Rik	1.89
Rpl36	1.92	AB041568	1.89
Sirt4	1.92	BC032967	1.89
Tmem50a	1.92	Cdkn2b	1.89
Tyk2	1.92	Cort	1.89
Zfp36l1	1.92	Dbp	1.89
1810021J13Rik	1.91	E030003N15Rik	1.89
2410015B03Rik	1.91	Hbp1	1.89
2810055F11Rik	1.91	LOC269529	1.89
4930564D15Rik	1.91	LOC382128	1.89
6030458C11Rik	1.91	Pramel4	1.89
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Casp4	1.91	1110025F24Rik	1.88
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Dnajb12	1.91	4930564D15Rik	1.88
Gm169	1.91	Calmbp1	1.88
Klf13	1.91	Ccnt1	1.88
LOC223672	1.91	D230005E09Rik	1.88
Ly6e	1.91	Fbxw17	1.88
Phf3	1.91	Fchsdl	1.88
Rbp4	1.91	Mtf2	1.88
Rps3a	1.91	Pola2	1.88
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Tpra40	1.91	2010313D22Rik	1.87
Yipf3	1.91	2310008H04Rik	1.87
Zfx1b	1.91	2310014H19Rik	1.87
1700029G01Rik	1.90	2600009E05Rik	1.87
2610037P13Rik	1.90	9130223C08Rik	1.87
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AI450540	1.90	Cbx7	1.87
Dnal1	1.90	Gstt1	1.87

Doc2b	1.90	Ndr1	1.87
Ghr	1.90	Pdzrn3	1.87
Gprk5	1.90	Ppp2r5a	1.87
Hdac10	1.90	Stx5a	1.87
Rasa3	1.90	Trp53bp1	1.87
Srebp2	1.90	Vrk3	1.87
Timp2	1.90	Z310047H23Rik	1.86
Zmynd17	1.90	Z610203E10Rik	1.86
1300010K09Rik	1.89	Z810021B07Rik	1.86
2310016F22Rik	1.89	Z9630032J03Rik	1.86
2700084L06Rik	1.89	Z9830148G24Rik	1.86
4933427L07Rik	1.89	ZA030009H04Rik	1.86
Acadvl	1.89	ZB330002M01Rik	1.86
AL024210	1.89	ZBtg4	1.86
Aldh5a1	1.89	ZC730009F21Rik	1.86
Atp1b3	1.89	ZD030056L22	1.86
Auh	1.89	ZGch1	1.86
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LOC381850	1.89	ZRbm43	1.86
Mreg	1.89	ZRhebl1	1.86
Pbef1	1.89	ZRp121	1.86
Slc23a2	1.89	Z1810026C22Rik	1.85
Wdr45	1.89	Z2610301N02Rik	1.85
1700025K23Rik	1.88	Z5730446C15Rik	1.85
Acaa2	1.88	Z6430406H24Rik	1.85
Aldh3b1	1.88	ZA630097A12Rik	1.85
Clic4	1.88	ZBC062185	1.85
Dp111	1.88	ZCentd1	1.85
F13a1	1.88	ZD230007K08Rik	1.85
Glb1	1.88	ZLdb1	1.85
Hps1	1.88	ZPappa2	1.85
Htra1	1.88	ZRbm5	1.85
LOC236932	1.88	ZSpire2	1.85
Rabac1	1.88	ZStard10	1.85
Thbs2	1.88	Z1500005A01Rik	1.84
Vill	1.88	Z2610319H10Rik	1.84
1700021F05Rik	1.87	Z4930463P07Rik	1.84
2810425F24Rik	1.87	ZAU022508	1.84
4632413K17Rik	1.87	ZAW544865	1.84
4932417116Rik	1.87	ZD6Erd245e	1.84
A130017C09Rik	1.87	ZDcp1b	1.84
AA968343	1.87	ZE030006K04Rik	1.84
Abcb1b	1.87	ZGnl2	1.84
Casp6	1.87	ZGrim19	1.84
Exdl2	1.87	ZHdlbp	1.84
Gtpbp6	1.87	ZNenf	1.84
LOC234640	1.87	ZPrkecz	1.84
Npepl1	1.87	ZRpia	1.84
Obfc1	1.87	ZSerpinf1	1.84
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1810013B01Rik	1.86	Z1200003E16Rik	1.83
2310009E07Rik	1.86	Z2010309L07Rik	1.83
8030451N04Rik	1.86	Z2310056B04Rik	1.83
BC008155	1.86	Z2500001K11Rik	1.83
D630016P04Rik	1.86	Z4932441K18Rik	1.83
D930008G03Rik	1.86	Z5832424M12	1.83
Fdxr	1.86	ZA330057G13Rik	1.83
Gpr153	1.86	ZAI481316	1.83
Impa2	1.86	ZApoa1bp	1.83
Rxra	1.86	ZClk4	1.83
Unc84a	1.86	ZClspn	1.83
Vil2	1.86	ZD030017L14Rik	1.83
Zfp292	1.86	ZFin14	1.83
1200006O19Rik	1.85	ZGdi1	1.83
2310039H08Rik	1.85	ZGkap1	1.83
2510002D24Rik	1.85	ZGpr19	1.83
2610319H10Rik	1.85	ZIng4	1.83
5430434G16Rik	1.85	ZLOC277016	1.83
A130053G17Rik	1.85	ZNusap1	1.83
A230013K13Rik	1.85	ZPold3	1.83

Cldn10	1.85	Rab27a	1.83
Csad	1.85	scl0002775.1_4	1.83
Csnk1d	1.85	Smg7	1.83
Gng12	1.85	Unc84b	1.83
Jak2	1.85	Vcl	1.83
Mcee	1.85	Zfp263	1.83
P2rx4	1.85	3110018K12Rik	1.82
Rab17	1.85	4930504E06Rik	1.82
scl0002007.1_97	1.85	5430425C04Rik	1.82
Vav2	1.85	6720463L11Rik	1.82
1110019L22Rik	1.84	Al606181	1.82
1300003K24Rik	1.84	Atp6ap1	1.82
6230415M23Rik	1.84	Clasp1	1.82
9430023B20Rik	1.84	Ctnna1	1.82
A630036P20Rik	1.84	D17H6S56E-5	1.82
Abhd5	1.84	D630036H09Rik	1.82
B130008O17Rik	1.84	Dhdh2	1.82
B130017I01Rik	1.84	Eif3s8	1.82
Bbs2	1.84	Eif4ebp1	1.82
Ccdc53	1.84	Laptm4b	1.82
Clk2	1.84	LOC385992	1.82
Ebpl	1.84	LOC639396	1.82
Echdc2	1.84	Nbl1	1.82
Entpd2	1.84	Ncapd2	1.82
Fbxo21	1.84	Nelf	1.82
Hmgcl	1.84	Snx1	1.82
Irak1	1.84	Stat2	1.82
LOC210582	1.84	Syng1	1.82
LOC333830	1.84	Tle2	1.82
Mbnl1	1.84	Tmem4	1.82
Nucb1	1.84	Wasf1	1.82
Pabpc1	1.84	Zfp68	1.82
Rab24	1.84	1110007A13Rik	1.81
Syng2	1.84	1810015C11Rik	1.81
Trim47	1.84	4631422C13Rik	1.81
Zfp148	1.84	4930418P06Rik	1.81
4833420G17Rik	1.83	Abcb7	1.81
Ahcy1	1.83	AW539964	1.81
C730026O12Rik	1.83	Camk2n1	1.81
Cpd	1.83	Cldn15	1.81
Gltp	1.83	Clk1	1.81
Iqce	1.83	D630014A15Rik	1.81
Klhl7	1.83	Fgfr1	1.81
Ldb1	1.83	Glb1	1.81
Ncoa4	1.83	Hspb8	1.81
ORF61	1.83	LOC384273	1.81
Pus3	1.83	Ppm1m	1.81
Shmt1	1.83	Rnase4	1.81
Smc5l1	1.83	Scamp5	1.81
Trb	1.83	scl0002975.1_346	1.81
Tssc8	1.83	Smyd4	1.81
1110029I05Rik	1.82	Zcchc14	1.81
1190002L16Rik	1.82	9030625A04Rik	1.80
2310004L02Rik	1.82	Arsa	1.80
2410008K03Rik	1.82	B4galt1	1.80
2610033C09Rik	1.82	BC023741	1.80
2810428C21Rik	1.82	C130035G06Rik	1.80
4930538D17Rik	1.82	C1qtnf4	1.80
Abcb7	1.82	C430004E15Rik	1.80
Acy3	1.82	Ctsf	1.80
AW060207	1.82	Dazap1	1.80
B330002M01Rik	1.82	Dnajc4	1.80
Cngb1b	1.82	Figf	1.80
Eif1	1.82	Nfatc2ip	1.80
Galk1	1.82	Plcd3	1.80
Grasp	1.82	I700025K23Rik	1.79
Hdac7a	1.82	1810059G22Rik	1.79
Lym5	1.82	5031412I06Rik	1.79
ORF28	1.82	5730455P16Rik	1.79
Peo1	1.82	9130422H11Rik	1.79
Pitpnm1	1.82	Brp17	1.79
Ralbp1	1.82	C430014K11Rik	1.79

Sirt5	1.82	Ddx11	1.79
Tmem143	1.82	Exosc7	1.79
Unc93b1	1.82	Igsf3	1.79
Zfp99	1.82	Jmjd1a	1.79
4632428D17Rik	1.81	Mki67	1.79
9330134C04Rik	1.81	Otx1	1.79
A130075K23Rik	1.81	Pgrmc1	1.79
Acbd6	1.81	Prdx1	1.79
Als2cr13	1.81	Prss15	1.79
Dguok	1.81	Siah2	1.79
Dscr112	1.81	St3gal4	1.79
Dtnb	1.81	Syngn3	1.79
Fkbp5	1.81	Tardbp	1.79
G630052O08Rik	1.81	Tsnax	1.79
LOC215678	1.81	Tulp4	1.79
LOC269529	1.81	Zccho6	1.79
LOC383883	1.81	1110018G07Rik	1.78
LOC386112	1.81	2610024H22Rik	1.78
Metap1	1.81	4930513E20Rik	1.78
Nfx1	1.81	5730593F17Rik	1.78
Serpina1d	1.81	6030443O07Rik	1.78
Setd6	1.81	AL022779	1.78
Stxbp3	1.81	Arfp1	1.78
Tcf7	1.81	BC014795	1.78
1700023F06Rik	1.80	C430045L21Rik	1.78
1810037C20Rik	1.80	Cstf2	1.78
2700033B16Rik	1.80	Epb4.114a	1.78
9230110M18Rik	1.80	Hnrpab	1.78
Adprt12	1.80	Nktr	1.78
Aldh1b1	1.80	Rad54l	1.78
Bat8	1.80	Rshl2	1.78
Cygb	1.80	Rxb	1.78
D2Erttd391e	1.80	Scyl1	1.78
D5Erttd585e	1.80	Sgpl1	1.78
E130014J05Rik	1.80	Tarf6	1.78
Egfl7	1.80	Upf2	1.78
F730014I05Rik	1.80	Vav2	1.78
Fosl2	1.80	1110048D14Rik	1.77
Gprc5b	1.80	2610014H22Rik	1.77
Gstt1	1.80	6330505F04Rik	1.77
HIP-1	1.80	6430548M08Rik	1.77
Ppp1r3b	1.80	9530053J19Rik	1.77
Reck	1.80	9530064J02	1.77
Rnf167	1.80	A830039B04Rik	1.77
Sdc4	1.80	BC031353	1.77
Zfp369	1.80	Cd2bp2	1.77
1110028N05Rik	1.79	D630024O03Rik	1.77
1700095N21Rik	1.79	Figl1	1.77
2010015P12Rik	1.79	Hipk1	1.77
2310009N05Rik	1.79	Ligl1	1.77
2700061N24Rik	1.79	Nars	1.77
5830454E08Rik	1.79	Parp1	1.77
Cd14	1.79	Pcnt2	1.77
Col14a1	1.79	Pdcd4	1.77
Ctsf	1.79	Ube2d2	1.77
Fer113	1.79	Usp1	1.77
Fez1	1.79	1300006N24Rik	1.76
Gcn5l2	1.79	1810030A06Rik	1.76
Golgb1	1.79	2610031L17Rik	1.76
Hk2	1.79	6330509M05Rik	1.76
Hoxb7	1.79	7030419K10Rik	1.76
Krt2-6b	1.79	B230333C21Rik	1.76
LOC207695	1.79	D130057F13Rik	1.76
LOC243823	1.79	Elmo3	1.76
Map3k8	1.79	Farsla	1.76
Pcbd2	1.79	Fzd6	1.76
Rev3l	1.79	Ghitm	1.76
Ril-pending	1.79	H2-Q7	1.76
Rpl21	1.79	lrf1	1.76
Ttc15	1.79	Maml1	1.76
Yeats2	1.79	Mllt2h	1.76
1190002F15Rik	1.78	Pde1a	1.76

1500011K16Rik	1.78	Prpf40b	1.76
3230401I01Rik	1.78	Rbms2	1.76
4930429A22Rik	1.78	Smarcc1	1.76
Al118078	1.78	Sspn	1.76
Ap4m1	1.78	Tcn2	1.76
BC021611	1.78	Tmed10	1.76
BC027342	1.78	1110003E01Rik	1.75
Cxcl1	1.78	4932443D16Rik	1.75
D030029J20Rik	1.78	Ccdc5	1.75
D4Ert429e	1.78	Dnali1	1.75
E330018D03Rik	1.78	Etohd2	1.75
Echs1	1.78	Evpl	1.75
Gtpbp3	1.78	Fgf8	1.75
Irx2	1.78	Gs2na-pending	1.75
Lamp2	1.78	Mst1r	1.75
Lgmn	1.78	Ndufv1	1.75
Lgr7	1.78	Nek9	1.75
Lrrc20	1.78	Nisch	1.75
Qars	1.78	Per2	1.75
Rfx2	1.78	Plekha6	1.75
Twist1	1.78	Solt	1.75
Usp28	1.78	1500010J02Rik	1.74
9130017A15Rik	1.77	3230401M21Rik	1.74
9830139D05Rik	1.77	9130011J04Rik	1.74
Agrn	1.77	A430073A17Rik	1.74
B3gnt6	1.77	Cugbp2	1.74
Bdkrb1	1.77	Cyp4v3	1.74
Bub1b	1.77	D12Ert4553e	1.74
Chkb	1.77	Elf1	1.74
D930001I22Rik	1.77	Faf1	1.74
Dazap2	1.77	Mecp2	1.74
Gsn	1.77	Pim3	1.74
LOC224532	1.77	Rnf167	1.74
LOC386330	1.77	Slc12a6	1.74
Mta3	1.77	Smpd2	1.74
Paip2	1.77	St6gal1	1.74
Ppl	1.77	Supt6h	1.74
Ppm2c	1.77	Trak1	1.74
Ppp1r9b	1.77	Uqcrb	1.74
Rps6ka3	1.77	Zfyve27	1.74
Sec24c	1.77	2210011G09Rik	1.73
Slc25a17	1.77	2310001A20Rik	1.73
Slc9a3r1	1.77	2810037C03Rik	1.73
Stx4a	1.77	4931433E08Rik	1.73
Tnrc11	1.77	5730509C05Rik	1.73
Unc84b	1.77	9330175B01Rik	1.73
Uts2	1.77	9430097H08Rik	1.73
Zfp30	1.77	A530068K01	1.73
2310036D04Rik	1.76	Aftph	1.73
4432416O06Rik	1.76	B830007D08Rik	1.73
5330430P07Rik	1.76	B830028P19Rik	1.73
A330089M16Rik	1.76	BC005537	1.73
AL033314	1.76	BC042768	1.73
Ambp	1.76	BC088983	1.73
Bckdk	1.76	Brms1l	1.73
Ctdspl	1.76	Cxcl10	1.73
F830002E14Rik	1.76	E030019D07Rik	1.73
LOC216674	1.76	E030041M21Rik	1.73
Mgat4b	1.76	E430023L22Rik	1.73
Nfrkb	1.76	Inpp5f	1.73
Ranbp9	1.76	Nfrkb	1.73
Rpl36a	1.76	Ptpn11	1.73
Skiv2l	1.76	Rbbp6	1.73
Tnip2	1.76	scl0002445.1_75	1.73
Zkscan17	1.76	Slc25a12	1.73
1810061M12Rik	1.75	Ssbp4	1.73
2310036D22Rik	1.75	1300010K09Rik	1.72
2810403A07Rik	1.75	2610528A15Rik	1.72
Ephb6	1.75	6030458C11Rik	1.72
Hook2	1.75	9330112E13Rik	1.72
Napb	1.75	9430010O03Rik	1.72
Pgr	1.75	A930025D01Rik	1.72

Plekhb2	1.75	B130066H02Rik	1.72
Pros1	1.75	B230396K19Rik	1.72
Sloo2a1	1.75	BC017133	1.72
Zfp52	1.75	Bcl2l11	1.72
1700024K14Rik	1.74	Cdc45l	1.72
2010005O13Rik	1.74	Chuk	1.72
2310009B15Rik	1.74	EG624866	1.72
2810455F06Rik	1.74	Fbxo42	1.72
a	1.74	Hdac1	1.72
A330103N21Rik	1.74	lcam1	1.72
Amt	1.74	l1tm1	1.72
BC004636	1.74	LOC329750	1.72
E530004K11Rik	1.74	LOC331511	1.72
Flot1	1.74	Ncoa6	1.72
Frat2	1.74	Prkacb	1.72
Girx	1.74	Rin1	1.72
Gpr19	1.74	Slt1l2	1.72
H2-T17	1.74	Top2b	1.72
Hoxa11	1.74	Trps1	1.72
Itga10	1.74	1700021K19Rik	1.71
Klh24	1.74	4921521F21Rik	1.71
Lamc2	1.74	4930447P04Rik	1.71
Ndr3	1.74	4933427D14Rik	1.71
Pir	1.74	5830417110Rik	1.71
Spec1	1.74	9130215G10Rik	1.71
Tna	1.74	Arhgef5	1.71
Tnfsf13	1.74	BC010250	1.71
Zfp97	1.74	BC025206	1.71
1110014J17Rik	1.73	Bmpr1a	1.71
B230210A04Rik	1.73	Clock	1.71
Cask	1.73	D15Ert405e	1.71
Cyp4v3	1.73	Dhx32	1.71
Evpl	1.73	E430026H10Rik	1.71
LOC382058	1.73	Fbf1	1.71
Mark2	1.73	Gtl3	1.71
Parn	1.73	Pfkm	1.71
Pla2g12a	1.73	Polr2g	1.71
Pqlc3	1.73	Rpl5	1.71
Ubp1	1.73	Sft2d2	1.71
Whdc1	1.73	Skiv2l	1.71
Zbtb7	1.73	Sic25a16	1.71
1200013F24Rik	1.72	Sulf1	1.71
1700008D07Rik	1.72	Tll4	1.71
1700019H03Rik	1.72	Tuft1	1.71
2610014H22Rik	1.72	1190002F15Rik	1.70
4931428F04Rik	1.72	2310007O11Rik	1.70
5730578N08Rik	1.72	3110078M01Rik	1.70
5830417C01Rik	1.72	5330431K02Rik	1.70
A730063M14Rik	1.72	Al481105	1.70
B230114P05Rik	1.72	Amid	1.70
BC019206	1.72	Anp32a	1.70
BC039632	1.72	AW060232	1.70
Ddx50	1.72	D030015G18Rik	1.70
Farp2	1.72	D230017C05Rik	1.70
Hoxa7	1.72	D430005F24Rik	1.70
Hrsp12	1.72	Il17rc	1.70
Ldh1	1.72	Map1lc3b	1.70
LOC383308	1.72	Mid1ip1	1.70
Ogn	1.72	Nfatc3	1.70
Pnrc2	1.72	Nme3	1.70
Poll	1.72	Pkd1	1.70
Ppap2c	1.72	Ppm1b	1.70
Rptn	1.72	Rbak	1.70
Sprr1a	1.72	Sic40a1	1.70
Tcfcp2	1.72	Sqrdl	1.70
Tpd52l2	1.72	Zfp212	1.70
Ugcg	1.72	1810009B06Rik	1.69
Wasf2	1.72	2700024H10Rik	1.69
Zranb3	1.72	6330575B07Rik	1.69
4732486I23Rik	1.71	Anks3	1.69
4932415G12Rik	1.71	B930075F07	1.69
8030499H02Rik	1.71	BC030499	1.69

BC017133	1.71	BC037034	1.69
BC046404	1.71	Bnip3l	1.69
C77080	1.71	Cyp2d22	1.69
Cln3	1.71	D130060C09Rik	1.69
D930005D10Rik	1.71	D630044F24Rik	1.69
E130306D19Rik	1.71	Dnase2a	1.69
Foxo1	1.71	Iars	1.69
Glg1	1.71	Krtcap2	1.69
Il16	1.71	LOC233529	1.69
Ilgb5	1.71	Lsm8	1.69
Lztr1	1.71	Polydom	1.69
mt-Atp6	1.71	Ppp3ca	1.69
Pgd	1.71	Prpf8	1.69
Trit1	1.71	Snx24	1.69
Ugp2	1.71	Sox4	1.69
1110004P21Rik	1.70	I700088E04Rik	1.68
2610318G18Rik	1.70	2610034N24Rik	1.68
4930429O20Rik	1.70	6330416G13Rik	1.68
Abilm2	1.70	9930012K11Rik	1.68
Ahcy	1.70	A130028J20Rik	1.68
BC023741	1.70	Cyld	1.68
Cdkn2c	1.70	Dsg2	1.68
Clip1	1.70	Etha1	1.68
Fau	1.70	Fosl2	1.68
Galnt12	1.70	Hmggn2	1.68
Galt	1.70	Ide	1.68
Lad1	1.70	Igfbp6	1.68
LOC381439	1.70	Il28ra	1.68
Naga	1.70	Lamc1	1.68
Ncor1	1.70	LOC433224	1.68
Olfm1	1.70	Loh11cr2a	1.68
Pold2	1.70	Nfkb2	1.68
Prodh	1.70	Npr2	1.68
Rbm35a	1.70	Prim1	1.68
Rpain	1.70	Pygb	1.68
S100a16	1.70	Ranbp10	1.68
Serpina1b	1.70	Rhpn2	1.68
Sf4	1.70	Tbc1d15	1.68
Siat4a	1.70	Ttc17	1.68
Tb12	1.70	1810054O13Rik	1.67
Tmem45a	1.70	2310028O11Rik	1.67
2010013E08Rik	1.69	5730555F13Rik	1.67
2700029E10Rik	1.69	5830454D03Rik	1.67
Apeh	1.69	9130201F22Rik	1.67
Atp5g2	1.69	9530077C05Rik	1.67
BC018371	1.69	9630027A13Rik	1.67
C030010B13Rik	1.69	9930108O06Rik	1.67
Cldn15	1.69	A330080J22Rik	1.67
Col6a1	1.69	Aifm1	1.67
Fbxo38	1.69	Aim1l	1.67
Fzd1	1.69	Ap3s1	1.67
Krt11-16	1.69	Arnt	1.67
LOC242051	1.69	C430014K22Rik	1.67
LOC381230	1.69	Ddah2	1.67
Lrpap1	1.69	E4f1	1.67
Nqo1	1.69	Foxred2	1.67
Pla2g2e	1.69	Ganc	1.67
Plxnb2	1.69	Gdf1	1.67
Polm	1.69	H2-T10	1.67
Pon3	1.69	LOC383125	1.67
Serpinb1a	1.69	Map3k12	1.67
Ssh3	1.69	Map4k3	1.67
Tigd2	1.69	mtDNA_ND4	1.67
Tirap	1.69	Mx2	1.67
Tsrc1	1.69	Pdcd1lg1	1.67
Zfp313	1.69	Plekhn2	1.67
2310016A09Rik	1.68	Ppl	1.67
4931406C07Rik	1.68	Ppox	1.67
5730427N09Rik	1.68	Rbms3	1.67
A4galt	1.68	Sfxn4	1.67
A830081L15Rik	1.68	Zfp261	1.67
BC051083	1.68	I1500004A08Rik	1.66

BC088983	1.68	1700109H08Rik	1.66
C130027E04Rik	1.68	2310058J06Rik	1.66
Cst3	1.68	9930117H01Rik	1.66
E530020K13Rik	1.68	A330089M16Rik	1.66
Eef1b2	1.68	A530062K18Rik	1.66
Fbxl11	1.68	A930005G04Rik	1.66
Fbxo3	1.68	Acaa1	1.66
Klhdc1	1.68	Amotl2	1.66
Lama3	1.68	Atp2a2	1.66
LOC229810	1.68	BC025462	1.66
LOC271041	1.68	Bgn	1.66
LOC382061	1.68	BQ952480	1.66
LOC386068	1.68	C330001N20Rik	1.66
Lrp1	1.68	Cd81	1.66
Marveld1	1.68	Csnk1g2	1.66
Mterf-pending	1.68	D130072O21Rik	1.66
Paics	1.68	Ece1	1.66
Pwwp2	1.68	Eli3	1.66
Rbm5	1.68	Fbxo44	1.66
Six5	1.68	Ift140	1.66
Surf1	1.68	Irgm	1.66
Wdr34	1.68	Lbh	1.66
1500010G04Rik	1.67	LOC382050	1.66
1810009M01Rik	1.67	Mglap	1.66
2210418H06Rik	1.67	Ndufa6	1.66
2300003P22Rik	1.67	Nth1	1.66
2410001E19Rik	1.67	Pex11a	1.66
2700087H15Rik	1.67	Tbc1d23	1.66
6330580J24Rik	1.67	Tcea2	1.66
9630025H16Rik	1.67	Tkt	1.66
A730094H17Rik	1.67	Ube2l3	1.66
Arfgap3	1.67	Vdr	1.66
BC026585	1.67	Zfml	1.66
BC042423	1.67	O610009O20Rik	1.65
C430004E15Rik	1.67	I500010G04Rik	1.65
Centb5	1.67	Z610044O15Rik	1.65
D030015G18Rik	1.67	B630005N14Rik	1.65
Dpagt1	1.67	C77080	1.65
Efha1	1.67	Catnbip1	1.65
Elp3	1.67	Clstn1	1.65
Etfdh	1.67	Cuedc2	1.65
Fbxo36	1.67	D10Bwg0940e	1.65
G6pdx	1.67	D15Ert735e	1.65
Gnptab	1.67	Dnttip1	1.65
Gtf2h3	1.67	Dtnb	1.65
Hebp2	1.67	E530004K11Rik	1.65
Hexb	1.67	Frrs1	1.65
Kdt1	1.67	Golph2	1.65
Lgi3	1.67	Hnrph1	1.65
LOC382264	1.67	Lass2	1.65
mtDNA_COXII	1.67	LOC245000	1.65
Nr1d2	1.67	LOC386179	1.65
Pcca	1.67	Map3k11	1.65
Pdzr3	1.67	Map3k7ip1	1.65
Rnpepl1	1.67	Parp6	1.65
scl000408.1_6	1.67	Plekhh1	1.65
Slc31a1	1.67	Rapgef3	1.65
Snag1	1.67	Rpl35a	1.65
Tacc1	1.67	scl0001076.1_117	1.65
Tcf25	1.67	scl0020042.1_302	1.65
Tor3a	1.67	Trim56	1.65
Zfp296	1.67	1700027M01Rik	1.64
1200014P03Rik	1.66	2010012C16Rik	1.64
2610009I02Rik	1.66	2610507N02Rik	1.64
AW549877	1.66	3010026O09Rik	1.64
BC004728	1.66	9430093I07Rik	1.64
C730025P13Rik	1.66	A130004B21Rik	1.64
Fance	1.66	A830087P12Rik	1.64
Fth1	1.66	Ak5	1.64
Ide	1.66	Apob48r	1.64
Ift52	1.66	Atbf1	1.64
Iivbl	1.66	BC005471	1.64

LOC380718	1.66	C430002D13Rik	1.64
Map19	1.66	Evc2	1.64
Mapk3	1.66	Fchsd2	1.64
Mocos	1.66	Hdac2	1.64
Mrpl30	1.66	Iigb4	1.64
mtDNA_ND5	1.66	LOC244710	1.64
Npn1	1.66	LOC381300	1.64
Orc5l	1.66	Mrpl49	1.64
Ovgp1	1.66	mtDNA_ND2	1.64
Pappa2	1.66	Nfix	1.64
Rpl18a	1.66	Nucb1	1.64
Rpo1-3	1.66	Prpsap2	1.64
Tbc1d17	1.66	Rgs11	1.64
1110004P15Rik	1.65	Rnf166	1.64
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1700129I04Rik	1.65	Smek2	1.64
2610036A22Rik	1.65	Syvn1	1.64
3110078M01Rik	1.65	Ttc3	1.64
5830467J12Rik	1.65	1810031K02Rik	1.63
6030458P06Rik	1.65	2500003M10Rik	1.63
Adk	1.65	2810418N01Rik	1.63
Ang1	1.65	3110050N22Rik	1.63
Brp16	1.65	5730419I09Rik	1.63
Ctsb	1.65	9330155C01Rik	1.63
D14ErtD668e	1.65	9430023P16Rik	1.63
Fn1	1.65	A530082C11Rik	1.63
Golga2	1.65	A730024A03Rik	1.63
Ii4i1	1.65	AA968343	1.63
Krtcap3	1.65	BC043098	1.63
LOC383330	1.65	BC050811	1.63
LOC385086	1.65	Bmp1	1.63
Mfn1	1.65	C130022E19Rik	1.63
Mras	1.65	D19ErtD144e	1.63
Pcsk4	1.65	D1ErtD161e	1.63
Rarg	1.65	D430007A19Rik	1.63
Rora	1.65	E030017M08Rik	1.63
Rpl28	1.65	Efnb2	1.63
Rpo1-1	1.65	Frk	1.63
Scgf	1.65	LOC239102	1.63
Shc1	1.65	Mscp	1.63
Thap4	1.65	Mybl2	1.63
1810074P20Rik	1.64	Nipbl	1.63
9030612K14Rik	1.64	Nxt2	1.63
9130222H12Rik	1.64	Pcbp2	1.63
A930005H10Rik	1.64	Pml	1.63
Acad10	1.64	Prosap1p1	1.63
Adamts7	1.64	Rad21	1.63
Apoa1bp	1.64	Sephs1	1.63
Arfgef1	1.64	Sirt4	1.63
AU040576	1.64	Slc25a39	1.63
B230337C21Rik	1.64	Snx13	1.63
Casp9	1.64	Socs2	1.63
Dlx2	1.64	Tens1	1.63
Fosl1	1.64	Tnip1	1.63
Gspl2	1.64	Top2a	1.63
Gzf1	1.64	Tsc2	1.63
Hspa1b	1.64	1110012F10Rik	1.62
Lman1	1.64	1110012J17Rik	1.62
LOC233899	1.64	4832420L08Rik	1.62
LOC385403	1.64	6430590I03Rik	1.62
Luc7l2	1.64	A630036P20Rik	1.62
Maf1	1.64	BC043118	1.62
Obrgrp	1.64	BC046418	1.62
Rpl29	1.64	Ccnl1	1.62
Sprr2d	1.64	Chn2	1.62
Tff2	1.64	D330046C14Rik	1.62
1110003E01Rik	1.63	Dlx1	1.62
1700011J10Rik	1.63	E030027L17	1.62
2010001O09Rik	1.63	EG630499	1.62
2210013O21Rik	1.63	Fancd2	1.62
2310011G17Rik	1.63	Farp2	1.62
6230400G14Rik	1.63	Hig1	1.62

6720463L11Rik	1.63	Hoxb7	1.62
Acadm	1.63	LOC210582	1.62
Al662250	1.63	N4wbp5-pending	1.62
Atp5s	1.63	PKfb2	1.62
Carhsp1	1.63	Pip5k2c	1.62
Dag1	1.63	Ptpre	1.62
Dock11	1.63	Pvrl2	1.62
Fgfbp1	1.63	Rnf134	1.62
Gstm4	1.63	Rragb	1.62
Hoxb4	1.63	Tapbp	1.62
Il3ra	1.63	Tmc4	1.62
LOC381217	1.63	Tpd52	1.62
LOC382790	1.63	2310005N01Rik	1.61
LOC383131	1.63	2310047N01Rik	1.61
Pik3c3	1.63	3010031K01Rik	1.61
Rpl23	1.63	4930563B10Rik	1.61
Wbscr27	1.63	4933439J20Rik	1.61
0610010I05Rik	1.62	5530402M19Rik	1.61
1200009C21Rik	1.62	6720485C15Rik	1.61
2010004M13Rik	1.62	B230337C21Rik	1.61
2010300G19Rik	1.62	B930037P14Rik	1.61
2310016C08Rik	1.62	BC040823	1.61
2700038C09Rik	1.62	Camk1	1.61
4930550C14Rik	1.62	Cyp27a1	1.61
Al850995	1.62	D030063E12	1.61
Apom	1.62	D030069G17Rik	1.61
AW490415	1.62	D2Erttd391e	1.61
B230380D07Rik	1.62	Dhx30	1.61
B430007K19Rik	1.62	Fbxl3a	1.61
B430201A12Rik	1.62	H2-Q8	1.61
B4galt1	1.62	Hp	1.61
Birc1cl	1.62	Ifftm3	1.61
Btbd2	1.62	Lig1	1.61
C030006K11Rik	1.62	LOC381010	1.61
Cd53	1.62	Mcm3	1.61
D030051D21	1.62	mtDNA_ATP6	1.61
Fahd2a	1.62	Net1	1.61
Ifi30	1.62	Plas1	1.61
Mipep	1.62	Recq14	1.61
Myc	1.62	Rpo2tc1	1.61
Nth1	1.62	Samd10	1.61
Pl4k2a	1.62	scl0002507.1_236	1.61
Rad50	1.62	scl0003155.1_68	1.61
Ramp2	1.62	Scrn2	1.61
Rhebl1	1.62	Sh3bp2	1.61
Rhpn2	1.62	Sif1	1.61
Zbtb2	1.62	Stx3	1.61
1200006F02Rik	1.61	Tcfcp2	1.61
1700022C21Rik	1.61	Tpst1	1.61
4732471D19Rik	1.61	Zbtb5	1.61
4931403I22Rik	1.61	Zc3hdc5	1.61
4932408F19Rik	1.61	Zfp292	1.61
4933411K20Rik	1.61	Zfp294	1.61
5530400P07Rik	1.61	Zfp574	1.61
A730045A15Rik	1.61	2510012J08Rik	1.60
Acsf5	1.61	2610002I17Rik	1.60
Al415330	1.61	2610101N10Rik	1.60
Arch	1.61	2610202E01Rik	1.60
Birc2	1.61	4933411D12Rik	1.60
Cicn2	1.61	5033413D16Rik	1.60
D130059O18Rik	1.61	5830436D01Rik	1.60
E230024B12Rik	1.61	6330411E07Rik	1.60
LOC329357	1.61	6820428D13	1.60
LOC386537	1.61	6820449I09Rik	1.60
Mrops35	1.61	A130047F11Rik	1.60
Pdxp	1.61	Aatk	1.60
Pigq	1.61	B430315C20Rik	1.60
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1110028E10Rik	1.60	D130064H19Rik	1.60
4632411B12Rik	1.60	D15Erttd682e	1.60

4930418P06Rik	1.60	D17Wsu92e	1.60
9530059O14Rik	1.60	D8ErtD325e	1.60
9630025I21Rik	1.60	Daxx	1.60
A630039B04Rik	1.60	Diablo	1.60
Bcs11	1.60	G3bp2	1.60
Cyb561	1.60	Gpr64	1.60
D130027M04Rik	1.60	LOC382264	1.60
D14ErtD226e	1.60	Mbnl2	1.60
Grsf1	1.60	Nol7	1.60
LOC195357	1.60	Pdk1	1.60
OTTMUSG00000010673	1.60	Pik3r2	1.60
Pacs1	1.60	Sepm	1.60
Peci	1.60	Slpi	1.60
Phf7	1.60	Taz	1.60
Ppard	1.60	Tbpl1	1.60
Prps2	1.60	Tfdp1	1.60
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Sestd1	1.60	Usp6nl	1.60
Slc27a3	1.60	Zbtb17	1.60
Tmem16b	1.60	Zfp213	1.60
Villp	1.60	Zfp451	1.60
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2310021P13Rik	1.59	I810044O22Rik	1.59
2410017P07Rik	1.59	4732455O04Rik	1.59
4632427E13Rik	1.59	4921514E18Rik	1.59
6530402F18Rik	1.59	A630082K20Rik	1.59
A630072J24Rik	1.59	A930031F18Rik	1.59
Ajp	1.59	Akr7a5	1.59
Ankmy2	1.59	Arhgap17	1.59
BC003324	1.59	AW456874	1.59
BC029214	1.59	Bbs2	1.59
C030034J23Rik	1.59	BC057893	1.59
D19ErtD721e	1.59	Cd164	1.59
D230046F09Rik	1.59	Col15a1	1.59
Dhcr7	1.59	D6Wsu176e	1.59
E130307J07Rik	1.59	Dync1l2	1.59
E130309L16Rik	1.59	E430025E21Rik	1.59
Ergic3	1.59	Epb4.1l2	1.59
Grc9	1.59	Erb2ip	1.59
Gucy1a3	1.59	Ggt3	1.59
H2-Q8	1.59	LOC225927	1.59
Hexdc	1.59	LOC382010	1.59
Il31ra	1.59	Naga	1.59
LOC237361	1.59	Pawr	1.59
Mrpl33	1.59	Plekha3	1.59
Nelf	1.59	Sgol2	1.59
Parp16	1.59	Snx5	1.59
Pias1	1.59	Ssx2ip	1.59
Psme1	1.59	Steap2	1.59
Ralgds	1.59	Susd2	1.59
Rbms2	1.59	Tmem111	1.59
Repin1	1.59	Traf6	1.59
Sesn3	1.59	Usp20	1.59
Set7	1.59	0610030P10Rik	1.58
Usp2	1.59	1110003F05Rik	1.58
Zdhhc8	1.59	1200006O19Rik	1.58
Zfand2b	1.59	4932416C15Rik	1.58
1110037N09Rik	1.58	5930418K15Rik	1.58
2310051F07Rik	1.58	6030458P06Rik	1.58
2810411C16Rik	1.58	6430559E15Rik	1.58
2900045N06Rik	1.58	A130019H11Rik	1.58
3010031K01Rik	1.58	Adam1a	1.58
9130022K13Rik	1.58	Ahcy1	1.58
9530073A13Rik	1.58	Al663987	1.58
9830148G24Rik	1.58	Ankrd12	1.58
A930030J18Rik	1.58	B930085C24Rik	1.58
Abca3	1.58	C030013C21Rik	1.58
Ard1	1.58	C230055K21Rik	1.58
Arsi	1.58	C530015M04Rik	1.58
Atp9b	1.58	C730013O11Rik	1.58
Bok	1.58	Cdkl2	1.58
Clec3b	1.58	Chd2	1.58

D4ErtD681e	1.58	D330001D04Rik	1.58
EG665378	1.58	Frat2	1.58
Gpr35	1.58	Gclm	1.58
Klf21a	1.58	Grem1	1.58
LOC385505	1.58	Grn	1.58
Myo9b	1.58	Gzf1	1.58
Nbl1	1.58	Hcn2	1.58
Ppp3cc	1.58	LOC270186	1.58
Rutbc2	1.58	LOC385505	1.58
Sh3bp1	1.58	Pum1	1.58
Tnfrst22	1.58	Rif1	1.58
Trim29	1.58	Rnf2	1.58
Wrn	1.58	Satb1	1.58
Ybx3	1.58	Slc7a11	1.58
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2310007H09Rik	1.57	Sxbp1	1.58
2700007B13Rik	1.57	Tk2	1.58
2810021G02Rik	1.57	Trio	1.58
4632417K18Rik	1.57	Ubap2	1.58
9630007J19Rik	1.57	Vars2l	1.58
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A830087P12Rik	1.57	1110012M11Rik	1.57
Arf6ip5	1.57	1110035L05Rik	1.57
Atad3a	1.57	2600005O03Rik	1.57
B130020A07Rik	1.57	2610524B01Rik	1.57
B930067C07Rik	1.57	2900045G02Rik	1.57
B930083E23Rik	1.57	4931426K16Rik	1.57
BC008163	1.57	4931440N07Rik	1.57
BC019731	1.57	5730601F06Rik	1.57
C530015M04Rik	1.57	A730036E13Rik	1.57
Ccnt2	1.57	Abcd3	1.57
Chmp2a	1.57	Aqp5	1.57
Dnm	1.57	Atp13a1	1.57
E230020O17Rik	1.57	AW210570	1.57
Enpp5	1.57	Axot	1.57
Fbxl8	1.57	BC018371	1.57
Lemd2	1.57	Bex2	1.57
LOC245884	1.57	Calm2	1.57
LOC383964	1.57	Cd1d1	1.57
LOC386005	1.57	D1ErtD396e	1.57
Mrpl38	1.57	Dgkd	1.57
Olfrml3	1.57	Dhx15	1.57
Pgcp	1.57	Dock11	1.57
Ppan	1.57	ldb2	1.57
Rsn	1.57	Il13ra1	1.57
Txnrd3	1.57	LOC381640	1.57
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2310047M10Rik	1.56	Pard6a	1.57
4632428M11Rik	1.56	Polr2a	1.57
4933439C10Rik	1.56	Prps2	1.57
6330505F04Rik	1.56	Ptk2b	1.57
9130404D08Rik	1.56	Rreb1	1.57
A230090H19Rik	1.56	sci0001356.1_58	1.57
Ap2a2	1.56	Spcs3	1.57
Asah2	1.56	Syap1	1.57
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Cyp27a1	1.56	Troap	1.57
D230017C05Rik	1.56	Ube2q	1.57
D530030K12Rik	1.56	2010204O13Rik	1.56
E030038D23Rik	1.56	2310034L04Rik	1.56
Fcna	1.56	2610111M03Rik	1.56
Glt25d1	1.56	4930518115Rik	1.56
Keap1	1.56	8030404L10Rik	1.56
Lars2	1.56	A630049A05Rik	1.56
Miki	1.56	Ahi1	1.56
mt-Nd4l	1.56	Aldh1b1	1.56
Mxd4	1.56	BC046404	1.56
Nte	1.56	Brca2	1.56
Plekhh3	1.56	C430015M08Rik	1.56
Spop	1.56	Cjpx	1.56
Tgm1	1.56	Cuedc1	1.56

Zhx1	1.56	Cutc	1.56
1600021P15Rik	1.55	D10Ert214e	1.56
1700023M03Rik	1.55	D10Ert610e	1.56
2310003H01Rik	1.55	D130004H04Rik	1.56
4732455O04Rik	1.55	D330045A20Rik	1.56
9030016H15Rik	1.55	E1300303B06Rik	1.56
Ahnak	1.55	Extl2	1.56
Atp1a1	1.55	Frs3	1.56
Atpi	1.55	Ggnbp2	1.56
Btbd6	1.55	Grtp1	1.56
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C85492	1.55	lfng2	1.56
Chpt1	1.55	lgsf9	1.56
D030011M22Rik	1.55	lrak3	1.56
Depdc6	1.55	Map2k2	1.56
Dhx34	1.55	Mthfsd	1.56
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Fbxo4	1.55	ORF28	1.56
Leng9	1.55	Pigq	1.56
LOC242025	1.55	Polr3b	1.56
LOC382237	1.55	Rpo1-4	1.56
LOC384801	1.55	scl0004190.1_3	1.56
LOC385626	1.55	Shb	1.56
Man1a	1.55	Tbc1d5	1.56
Mapk13	1.55	Tex27	1.56
Nme5	1.55	Tgfbr2	1.56
Phka2	1.55	Thrap4	1.56
Pkn3	1.55	Ubt2	1.56
Pnpo	1.55	Uck1	1.56
Rab32	1.55	Usp24	1.56
Relb	1.55	Ythdc2	1.56
Ring1	1.55	Zfp238	1.56
Rnf19	1.55	0610009K11Rik	1.55
Rshl2	1.55	0610039J04Rik	1.55
S100a14	1.55	0610040O15Rik	1.55
scl0003300.1_40	1.55	1700105P06Rik	1.55
Sepw1	1.55	2410127E18Rik	1.55
Stab1	1.55	2610312F20Rik	1.55
Tcte1l	1.55	2700050C12Rik	1.55
Tia1	1.55	A430109M19Rik	1.55
Trp53inp1	1.55	A630097D09Rik	1.55
Zfp96	1.55	Acy3	1.55
1700054E11Rik	1.54	Akap11	1.55
2310075E07Rik	1.54	AW228700	1.55
2410016O06Rik	1.54	B230219D22Rik	1.55
6430548M08Rik	1.54	BC011210	1.55
8030459N02Rik	1.54	BC018462	1.55
9630029G12Rik	1.54	Brd4	1.55
A1429613	1.54	C130033B18Rik	1.55
BC039161	1.54	Ccdc9	1.55
C330024D21Rik	1.54	Crebbp	1.55
C430014N20Rik	1.54	D930038M13Rik	1.55
Dppa1	1.54	Epb4.14b	1.55
Exoc7	1.54	Gig1	1.55
Exosc5	1.54	Hdac7a	1.55
Fut10	1.54	LOC238023	1.55
Hspa2	1.54	LOC386117	1.55
Il10rb	1.54	Lrp10	1.55
Keo4	1.54	Narg1l	1.55
Kif3a	1.54	Nr1d2	1.55
LOC381770	1.54	Nrip3	1.55
Lrrc34	1.54	Pgbpll	1.55
Mcts1	1.54	Polmt	1.55
Nrd1	1.54	Slc25a19	1.55
Nxph4	1.54	Slc31a1	1.55
Pla2g6	1.54	Stau1	1.55
Pmp22	1.54	Tor3a	1.55
Prpf38b	1.54	Zbtb2	1.55
Rnf135	1.54	Zfp131	1.55
Stau1	1.54	Zhx1	1.55
Tmed3	1.54	1110034C16Rik	1.54
Urod	1.54	1110037F02Rik	1.54

Usp30	1.54	1110054N06Rik	1.54
Wt1	1.54	1700027J05Rik	1.54
2610020O08Rik	1.53	2310003H01Rik	1.54
2610022K04Rik	1.53	2310007G05Rik	1.54
3732413I11Rik	1.53	2310037I24Rik	1.54
4632404H22Rik	1.53	4732479N06Rik	1.54
4930470C13Rik	1.53	4732493F09Rik	1.54
5133400G04Rik	1.53	5730406M06Rik	1.54
5430405H02Rik	1.53	5730407K14Rik	1.54
5730455P16Rik	1.53	6720477C19Rik	1.54
9630015D15Rik	1.53	8430436L14Rik	1.54
Arb2	1.53	9330112M16	1.54
AU040320	1.53	Aamp	1.54
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BC020002	1.53	Agtr1a	1.54
BC024969	1.53	B230373P09Rik	1.54
BC037708	1.53	Bckdha	1.54
BC065120	1.53	Chd8	1.54
Btbd1	1.53	Dgka	1.54
C330023M02Rik	1.53	Fubp3	1.54
Clk3	1.53	Hnrpd1	1.54
Cops2	1.53	Il27ra	1.54
Dap3	1.53	Map3k7ip3	1.54
Edem2	1.53	Mapre2	1.54
Fech	1.53	Mblcd1	1.54
Fvt1	1.53	Phc1	1.54
lkbke	1.53	Psen2	1.54
LOC209203	1.53	Rabgef1	1.54
LOC226740	1.53	Rnf20	1.54
Lzts2	1.53	Sars	1.54
Maml3	1.53	Sca2	1.54
Mrpl14	1.53	Tex9	1.54
Plekhhg5	1.53	Zdhhc8	1.54
Porcn	1.53	Zfp57	1.54
Pmp	1.53	Zmynd17	1.54
Rapgef1	1.53	0610039N19Rik	1.53
Scp2	1.53	1110014L17Rik	1.53
Snx10	1.53	1110036D12Rik	1.53
Trpv4	1.53	1810021J13Rik	1.53
Wnt10a	1.53	1810043M20Rik	1.53
Zkscan1	1.53	2610002D18Rik	1.53
Zzef1	1.53	4732418C07Rik	1.53
1110014N23Rik	1.52	8430408H12Rik	1.53
1810049O03Rik	1.52	9330171D12Rik	1.53
2610111M03Rik	1.52	AU040950	1.53
2700063A19Rik	1.52	B230107H12Rik	1.53
4732431J01Rik	1.52	Bat1a	1.53
4933427D14Rik	1.52	BC010584	1.53
9930108O06Rik	1.52	BC016198	1.53
A430083I17Rik	1.52	BC022224	1.53
A630046C11Rik	1.52	C530036F05Rik	1.53
Al480556	1.52	Cdc2l5	1.53
Akap1	1.52	Cnot10	1.53
AW212394	1.52	Cnot7	1.53
B830009D23Rik	1.52	Ctnnb1	1.53
C230093N12Rik	1.52	Dazap2	1.53
Dgat2	1.52	E03000117Rik	1.53
Dhx32	1.52	Fnip1	1.53
Dusp7	1.52	Guca1a	1.53
E330019I03Rik	1.52	Ikzf5	1.53
Fbxl4	1.52	Kbtbd2	1.53
Fbxw5	1.52	Lmtk2	1.53
Galgt1	1.52	LOC277193	1.53
Ggnbp2	1.52	LOC279899	1.53
Gm114	1.52	LOC380623	1.53
Gng8	1.52	LOC382210	1.53
Gpt1	1.52	LOC98434	1.53
Idh2	1.52	Macf1	1.53
Kcnn1	1.52	Ncaph	1.53
Lace1	1.52	Ncaph2	1.53
LOC270037	1.52	Neu1	1.53
LOC381114	1.52	Nme5	1.53

LOC381401	1.52	Nup205	1.53
Mki67	1.52	Plasg-pending	1.53
Pcdh7	1.52	Pltp	1.53
Pex5	1.52	Prpf39	1.53
PR	1.52	Rfc4	1.53
Rhbd1	1.52	Rpa2	1.53
Shox2	1.52	Sfpq	1.53
Slc25a12	1.52	Sfrs16	1.53
Tsc22d3	1.52	Sul1-rs1	1.53
Zfp259	1.52	Unc84a	1.53
1700016A15Rik	1.51	1110001N06Rik	1.52
1700019D06Rik	1.51	1110006I15Rik	1.52
2310022B05Rik	1.51	2610304G08Rik	1.52
2310033P09Rik	1.51	2700091N06Rik	1.52
4921513D23Rik	1.51	2810474O19Rik	1.52
4930418J05Rik	1.51	4631423B10Rik	1.52
4933407N01Rik	1.51	4632413K17Rik	1.52
5330401F18Rik	1.51	6230416J20Rik	1.52
8030404L10Rik	1.51	8430408G22Rik	1.52
9130416N05Rik	1.51	Araf	1.52
Adcy6	1.51	Arfgef2	1.52
Al256711	1.51	Arhgef3	1.52
Al661311	1.51	B430104H02Rik	1.52
Al848259	1.51	C030003A18Rik	1.52
Amigo	1.51	C030004M05Rik	1.52
Atp10a	1.51	C530043K16Rik	1.52
BC009118	1.51	Casp7	1.52
C430049K18Rik	1.51	Cog3	1.52
C80913	1.51	E530020K13Rik	1.52
C820018A03Rik	1.51	Gbl	1.52
Ctsl	1.51	Golgb1	1.52
Dock9	1.51	Htf9c	1.52
E330036C13Rik	1.51	Irx3	1.52
Fbxo18	1.51	Itpk1	1.52
Gck	1.51	Mcm10	1.52
Gpsn2	1.51	Mpra	1.52
Hist1h1c	1.51	Pex13	1.52
Inpp5e	1.51	Pon3	1.52
lpmk	1.51	Psme2b	1.52
LOC268700	1.51	Siah1a	1.52
LOC380707	1.51	Siat4a	1.52
LOC386360	1.51	Siat7c	1.52
Ly96	1.51	Smc5l1	1.52
Mad2l2	1.51	Sptlc2	1.52
Man2a2	1.51	Stim1	1.52
Man2b2	1.51	Tmod4	1.52
Mrps30	1.51	Tpcn1	1.52
Pgam1	1.51	Trap1	1.52
Pgbpl1	1.51	Ube1c	1.52
Prkd2	1.51	Zc3hav1	1.52
R3hdm1	1.51	Zfp512	1.52
Rnf31	1.51	1110019L22Rik	1.51
scl0002312.1_1	1.51	1190009E20Rik	1.51
Sin3a	1.51	2010300G19Rik	1.51
Tprkb	1.51	2210408F11Rik	1.51
Zadh1	1.51	2610305D13Rik	1.51
2310004I03Rik	1.50	4833412N02Rik	1.51
2310038H17Rik	1.50	5730469M10Rik	1.51
2610206G21Rik	1.50	A130026C10Rik	1.51
4632415K11Rik	1.50	A930030J18Rik	1.51
9530095N04Rik	1.50	Atp1b2	1.51
Ada	1.50	B930006L02Rik	1.51
Bbx	1.50	BC010304	1.51
Bsg	1.50	BC023754	1.51
lsgf3g	1.50	BC035291	1.51
Lgals9	1.50	Bmp2k	1.51
LOC269355	1.50	C030033M12Rik	1.51
LOC383793	1.50	C130065N10Rik	1.51
LOC384836	1.50	C630028N24Rik	1.51
Nav1	1.50	C730049P21	1.51
Padi2	1.50	Cst3	1.51
Slc25a29	1.50	D130058J21Rik	1.51

Spint1	1.50	D330038O06	1.51
St3gal4	1.50	Dnaja2	1.51
Trip10	1.50	Fath	1.51
Trrp2	1.50	Fmod	1.51
Zc3hdc3	1.50	Hrbl	1.51
		LOC226416	1.51
		LOC228790	1.51
		LOC381250	1.51
		Mrg1	1.51
		Nte	1.51
		Snx8	1.51
		Tef	1.51
		Zfp90	1.51
		Z310033F14Rik	1.50
		2810004A10Rik	1.50
		2810468K05Rik	1.50
		4833420G11Rik	1.50
		9630015D15Rik	1.50
		A830096H11Rik	1.50
		Bbx	1.50
		Cmya4	1.50
		Dtnbp1	1.50
		Eps8l2	1.50
		Gmnn	1.50
		Hdac11	1.50
		Klf3	1.50
		Lamb1-1	1.50
		Ncstn	1.50
		Pak4	1.50
		Rassf5	1.50
		Rbbp9	1.50
		Trpc2	1.50
		Ypel5	1.50
		Zfp307	1.50