

Table 1. List of autophagy-related and lysosomal genes

Autophagy related gene		Fold (dKO/WT) FPKM
Transcript_ID	Gene Symbol	
Akt1	NM_001165894,NM_001331107,NM_009652	1.04152785
Akt2	NM_001110208,NM_001331108,NM_001331109,NM_007434	1.516707076
Akt3	NM_011785	0.653549204
Ambra1	NM_001080754,NM_172669	0.670108098
Arnt	NM_001037737,NM_009709	1.365689916
Arsa	NM_009713	0.69559157
Arsb	NM_009712	1.166713009
Atf4	NM_001287180,NM_009716	1.360851723
Atf6	NM_001081304	1.246102694
Atg10	NM_025770	1.103106534
Atg12	NM_026217	0.900724569
Atg13	NM_145528	0.679054661
Atg16l1	NM_001205391,NM_001205392,NM_029846	0.727406983
Atg16l2	NM_001111111	0.903377486
Atg2a	NM_194348	0.802304915
Atg2b	NM_029654	0.794766931
Atg3	NM_026402	1.019027462
Atg4a	NM_174875	3.291611343
Atg4b	NM_174874	0.941563472
Atg4c	NM_001145967,NM_175029	0.812394863
Atg4d	NM_153583	0.909059977
Atg5	NM_001314013,NM_053069	0.844644739
Atg7	NM_001253717,NM_001253718,NM_028835	0.835541416
Atg9a	NM_001003917,NM_001288612,NM_001288613,NR_109938	0.611767779
Atic	NM_026195	0.695724946
Bag1	NM_001171739,NM_009736	1.077825142
Bag3	NM_013863	1.389889087
Bak1	NM_007523	0.586819436
Bax	NM_007527	0.927884491
Bcl2	NM_009741,NM_177410	0.634075859
Bcl2l1	NM_001289716,NM_001289717,NM_001289739,NM_009743	0.510775653
Becn1	NM_019584	1.017682184
Bid	NM_007544	0.66480366
Birc5	NM_001012273,NM_009689	0.562802271
Birc6	NM_007566	0.674090795
Bnip1	NM_172149	1.054219
Bnip3	NM_009760	0.543634997
Bnip3l	NM_009761	0.76252338
Brsk1	NM_001003920,NM_001168572	0.945815484
Brsk2	NM_001009929,NM_001009930,NM_001276763,NM_029426	0.993556557
Calcoco1	NM_026192	0.824858151
Camk1	NM_133926	0.85806499
Camk1d	NM_001290374,NM_001290375,NM_001290376,NM_177343	0.290755355
Camk2a	NM_001286809,NM_009792,NM_177407	1.104101804
Camk2b	NM_001174053,NM_001174054,NM_007595	0.753420225
Camk2d	NM_001025438,NM_001025439,NM_001293663,NM_001293664,NM_001293665,NM_001293666,NM_001346635,	1.024833253
Camk2g	NM_001039138,NM_001039139,NM_178597	0.687626908
Camkk2	NM_001199676,NM_145358	0.873931185
Canx	NM_001110499,NM_001110500,NM_007597	0.956361633
Capn1	NM_001110504,NM_007600	0.476843923
Capn10	NM_011796	0.642624471
Capn2	NM_009794	0.85384706
Capns1	NM_009795	1.236429956
Casp3	NM_001284409,NM_009810	1.14920436
Casp4	NM_007609	1.755864439
Casp8	NM_001080126,NM_001277926,NM_009812	0.457485224
Ccl2	NM_011333	1.31251628
Cd46	NM_010778,NR_132621	1.660346427
Cdkn1a	NM_001111099,NM_007669	1.3150469
Cdkn1b	NM_009875	0.72901239
Cdkn2a	NM_001040654,NM_009877	1.583658386
Cflar	NM_001289704,NM_001293804,NM_001293805,NM_009805,NM_207653	0.762524838
Chd9	NM_001310530,NM_177224	0.524403344
Chmp2b	NM_026879	0.742755418
Chmp4b	NM_029362	1.54774515
Cln3	NM_001146311,NM_001329789,NM_009907	0.752824734
Ctsb	NM_007798	0.959215301
Ctsd	NM_009983	0.700115412
Cx3cl1	NM_009142	0.733591018
Cxcr4	NM_009911	0.525251014
Dapk1	NM_001285917,NM_029653,NM_134062	0.400251005
Dapk2	NM_010019	0.492992223
Dclk1	NM_001111051,NM_001111052,NM_001111053,NM_001195538,NM_001195539,NM_001195540,NM_019978	1.06825559
Ddit3	NM_001290183,NM_007837	0.918853062
Dlc1	NM_001194940,NM_001194941,NM_015802	0.926632475
Dnajb1	NM_001308227,NM_018808	0.947180563
Dnajb9	NM_013760	1.183371299
Dram1	NM_027878	0.867559688
Edem1	NM_138677	1.214452196
Eef2	NM_007907	1.044279426
Eef2k	NM_001267710,NM_001267711,NM_007908	0.736342291
Egfr	NM_007912,NM_207655	0.770422436
Eif2ak2	NM_011163	0.983407689
Eif2ak3	NM_001313918,NM_010121	0.6115173
Eif2s1	NM_026114	1.10550139

Eif4ebp1	NM_007918	1.456658975
Eif4g1	NM_001304432,NM_145941	1.229163942
Erbp2	NM_001003817	0.805844829
Ern1	NM_023913	0.763086926
Ero1l	NM_015774	0.743086508
Fadd	NM_010175	0.544792604
Fas	NM_001146708,NM_007987	1.958661743
Fkbp1a	NM_001302077,NM_001302078,NM_001302079,NM_001302080,NM_008019,NR_126058	1.070455779
Fkbp1b	NM_016863	0.54203646
Fos	NM_010234	0.652335256
Foxo1	NM_019739	0.479010676
Foxo3	NM_019740	0.366526099
Gaa	NM_001159324,NM_008064	0.812377663
Gabarap	NM_019749	1.117269999
Gabarapl1	NM_020590	1.046835981
Gabarapl2	NM_026693	1.049236267
Gapdh	NM_001289726,NM_008084	0.997619265
Gnai3	NM_010306	1.108063881
Gopc	NM_001199272,NM_053187	1.072856603
Grid2	NM_008167	1.029286657
Harbi1	NM_178724	0.506414184
Hdac1	NM_008228	1.067718748
Hdac6	NM_001130416,NM_010413	0.965988386
Hgs	NM_001159328,NM_008244	0.70610508
Hif1a	NM_001313919,NM_001313920,NM_010431	0.927935912
Hsp90ab1	NM_008302	1.284824003
Hspa5	NM_001163434,NM_022310	1.823695803
Hspa8	NM_031165	1.539300849
Hspb8	NM_030704	0.637655811
Ikbkb	NM_001159774,NM_010546	0.672293424
Ikbke	NM_019777	0.775599903
Itga3	NM_001306071,NM_001306162,NM_013565	0.394457312
Itga6	NM_001277970,NM_008397	0.432925766
Itgb1	NM_010578	0.993172081
Itgb4	NM_001005608,NM_133663	0.50278557
Itp1	NM_010585	0.621462516
Kif5b	NM_008448	0.911144076
Klhl24	NM_029436	0.579468895
Lamp1	NM_001317353,NM_010684	0.869730343
Lamp2	NM_001017959,NM_001290485,NM_010685	1.005292194
Map1lc3a	NM_025735,NR_046364	1.291515159
Map1lc3b	NM_026160	0.785091529
Map2k7	NM_001042557,NM_001164172,NM_001291777,NM_001291778,NM_001291783,NM_011944	0.921468457
Mapk1	NM_001038663,NM_011949	1.089654814
Mapk3	NM_011952	0.80191652
Mapk8	NM_001310452,NM_001310453,NM_001310454,NM_016700	0.943699449
Mapk8ip1	NM_001202445,NM_001202446,NM_011162	0.877007815
Mapk9	NM_001163671,NM_001163672,NM_016961,NM_207692	0.657279068
Mark1	NM_145515	0.727172137
Mark2	NM_001080388,NM_001080389,NM_001080390,NM_007928	0.9003664
Mark3	NM_021516,NM_022801	0.937859039
Mark4	NM_172279	1.192571388
Mbtps2	NM_172307	0.588137326
Mlst8	NM_001252463,NM_001252464,NM_001252465,NM_019988	0.619878822
Mtmr14	NM_026849	0.771109444
Mtor	NM_020009	0.578882523
Myc	NM_001177352,NM_001177353,NM_001177354,NM_010849	1.712521386
Myo18a	NM_001291212,NM_001291213,NM_001291214,NM_001291215,NM_011586	0.763588564
Naf1	NM_001163564	1.434272011
Nampt	NM_021524	1.057596732
Nbr1	NM_001252220,NM_001252222,NM_001252223,NM_008676	0.62265726
Nckap1	NM_001290745,NM_016965	0.948044403
Nfe2l2	NM_010902,NR_132727	1.195018328
Nfkb1	NM_008689	3.674532901
Npc1	NM_008720	0.606662889
Nrg2	NM_001167891	0.826595996
Nuak1	NM_001004363	0.66098321
Nuak2	NM_001195025,NM_028778	0.413695212
P4hb	NM_011032	1.072379633
Park2	NM_001317726,NM_016694	1.906204233
Parp1	NM_007415	0.780672149
Pelp1	NM_029231	0.83856522
Pex14	NM_019781	1.024323228
Pex3	NM_001164195,NM_001347361,NM_019961	1.049393089
Phldb2	NM_001252442,NM_153412	0.559850122
Pik3c3	NM_181414	0.678415678
Pik3r4	NM_001081309	0.686801869
Pink1	NM_026880	1.029291142
Plk3	NM_001313916,NM_013807	1.306001726
Plk4	NM_011495,NM_173169,NR_045576	0.545069489
Pnck	NM_001199351,NM_001199352,NM_012040	1.351951378
Ppp1r15a	NM_008654	1.09454212
Prkaa1	NM_001013367	0.88046577
Prkaa2	NM_178143	0.543123464
Prkab1	NM_031869	0.920866854
Prkar1a	NM_001313973,NM_001313974,NM_001313975,NM_001313976,NM_021880	1.223976496
Prkcd	NM_001310682,NM_011103	0.781385056
Prkcq	NM_008859	0.76499414
Pten	NM_008960	0.764616731

Rab11a	NM_017382	1.027775467
Rab24	NM_009000	0.782412612
Rab33b	NM_016858	0.78688964
Rab5a	NM_025887	1.122254112
Rac1	NM_001347530,NM_009007	0.981629189
Raf1	NM_029780	1.018891381
Rb1	NM_009029	0.72802385
Rb1cc1	NM_009826	0.969692087
Rela	NM_009045	1.590325065
Rgs19	NM_001291205,NM_001291206,NM_001291207,NM_001291208,NM_001291209,NM_001291210,NM_026446	0.739244944
Rheb	NM_053075	1.334419254
Rock1	NM_009071	1.13215381
Rps6kb1	NM_001114334,NM_028259	0.986794697
Rps6kb2	NM_021485	1.086386716
Rptor	NM_001306081,NM_028898	0.99996811
Sar1a	NM_009120	1.172619322
Sesn2	NM_144907	2.527697062
Sgk1	NM_001161845,NM_001161847,NM_001161848,NM_001161849,NM_001161850,NM_011361	1.358906753
Sgk3	NM_001037759,NM_133220,NM_177547	0.593805662
Sh3glb1	NM_001282037,NM_001282042,NM_019464	0.880141505
Sik1	NM_010831	1.348378955
Sik2	NM_178710	1.096405036
Sirt1	NM_001159589,NM_019812	0.998104645
Sirt2	NM_001122765,NM_001122766,NM_022432	0.911608031
Snrk	NM_001164572,NM_133741	0.600506881
Sphk1	NM_001172472,NM_001172473,NM_001172475,NM_011451,NM_025367	1.156804149
Spns1	NM_023712,NR_045537	0.915671211
Sqstm1	NM_001290769,NM_011018	1.490557019
St13	NM_133726	0.770458821
Stk11	NM_001301853,NM_001301854,NM_011492,NR_126043	1.201221836
Stk36	NM_175031	0.686055076
Tbk1	NM_019786	1.073030941
Thoc5	NM_172438	0.813066534
Tm9sf1	NM_028780	0.889309889
Tnfsf10	NM_009425	0.653010846
Tpr	NM_133780	0.823955829
Tsc1	NM_001289575,NM_001289576,NM_022887	0.544236048
Tsc2	NM_001039363,NM_001286713,NM_001286714,NM_001286716,NM_001286718,NM_001286720,NM_011647	0.889311605
Tusc1	NM_026954	0.716458564
Ulk1	NM_001347394,NM_009469	0.818495582
Ulk2	NM_013881	0.7340456
Ulk3	NM_027895	0.442291624
Usp10	NM_001310630,NM_009462	1.370274858
Uvrag	NM_178635	0.845424643
Vamp3	NM_009498	0.826327849
Vegfa	NM_001025250,NM_001025257,NM_001110266,NM_001110267,NM_001110268,NM_001287056,NM_001287057,	1.447058532
Wdfy3	NM_172882	0.631654683
Wdr45	NM_001290792,NM_001290794,NM_001290795,NM_172372	0.696885033
Wipi1	NM_145940	0.729320291
Wipi2	NM_178398	1.08366138
Zfyve1	NM_183154	0.630209057

Lysosomal gene

Transcript ID	Gene Symbol	Fold (dKO/WT) FPKM
Abca2	NM_007379	0.742108636
Abca5	NM_147219	0.70134193
Abcb9	NM_019875	0.62342561
Acp2	NM_007387	0.716816148
Ada	NM_001272052,NM_007398	0.825476572
Adam8	NM_001291066,NM_007403	0.303014501
Aga	NM_001005847,NM_001205054	1.31795298
Ank3	NM_009670,NM_146005,NM_170687,NM_170688,NM_170689,NM_170690,NM_170728,NM_170729,NM_170730	0.84970901
Ankrd27	NM_145633,NM_178263	0.663426492
Anxa11	NM_013469	0.913850339
Ap1b1	NM_001243043,NM_001243044,NM_007454	0.744808019
Ap1g1	NM_001301211,NM_009677	1.191132495
Ap1g2	NM_001303502,NM_007455	0.621635679
Ap1m1	NM_007456	1.082396425
Ap1s1	NM_007457	0.716771793
Ap1s2	NM_001290378,NM_001290379,NM_026887	0.797388028
Ap1s3	NM_183027	0.329203608
Ap3b1	NM_009680	0.788468905
Ap3b2	NM_021492	0.839873357
Ap3d1	NM_007460	0.725971141
Ap3m1	NM_018829	0.658429252
Ap3m2	NM_001122820,NM_029505	0.822238283
Ap3s1	NM_001303015,NM_009681	1.177049488
Ap3s2	NM_009682	0.807277812
Ap4b1	NM_001163552,NM_001163553,NM_026193	0.739516893
Ap4e1	NM_175550	0.618973438
Ap4m1	NM_021392	0.598945112
Ap4s1	NM_001329698,NM_001329699,NM_021710	0.860305468
Arl8a	NM_026823	0.857349863
Arl8b	NM_026011	1.066760181
Arsa	NM_009713	0.69559157
Arsb	NM_009712	1.166713009
Arsg	NM_001166177,NM_028710	0.868308152
Asah1	NM_019734	0.912351184
Ass1	NM_007494	0.539458261
Atp13a2	NM_001164366,NM_029097	0.665921002
Atp5b	NM_016774	1.301146959
Atp6ap1	NM_018794	1.042381238
Atp6v0a1	NM_001243049,NM_001243050,NM_001243051,NM_016920	0.826822714
Atp6v0a2	NM_011596	0.643056855
Atp6v0b	NM_033617	0.928077785
Atp6v0c	NM_009729	1.163761306
Atp6v0d1	NM_013477	1.143117426
Atp6v1g1	NM_024173	0.846749787
Atp6v1h	NM_001310442,NM_133826	1.068690788
Bcl10	NM_009740	1.197693224
Calcr1	NM_018782	0.585164871
Cat	NM_009804	0.749634125
Ccdc115	NM_027159	1.214157899
Ccz1	NM_177682	0.643014018
Cd164	NM_016898	0.789369831
Cd1d1	NM_007639	0.791155343
Cd63	NM_001042580,NM_001282966,NM_007653	1.2933345
Cd68	NM_001291058,NR_110993	0.491121481
Cd74	NM_001042605,NM_010545	0.247922264
Ces1d	NM_053200	4.104562929
Chid1	NM_001142681,NM_026522	0.771698177
Clcn7	NM_001317404,NM_011930	0.583630568
Cln3	NM_001146311,NM_001329789,NM_009907	0.752824734
Cln5	NM_001033242	0.693214635
Clta	NM_001080384,NM_001080385,NM_001080386,NM_001290470,NM_016760	0.784016956
Cltb	NM_001347512,NM_028870	1.603303232
Cltc	NM_001003908	1.166137601
Creg1	NM_011804	0.765734729
Cst3	NM_009976	0.671637983
Ctbs	NM_001293672,NM_028836	0.707694788
Ctns	NM_031251	0.661902706
Ctsa	NM_001038492,NM_008906	0.821533006
Ctsb	NM_007798	0.959215301
Ctsc	NM_001311790,NM_009982	0.664977521
Ctsd	NM_009983	0.700115412
Ctsf	NM_019861	0.881014019
Ctsh	NM_001312649,NM_007801	0.594149702
Ctsk	NM_007802	0.460798199
Ctsl	NM_009984	0.957597451
Ctso	NM_177662	0.909375008
Ctss	NM_001267695,NM_021281	0.206872278
Ctsz	NM_022325	0.973884973
Cubn	NM_001081084	0.417620454
Dirc2	NM_153550	1.202899083
Dnase2a	NM_010062	0.738303165
Doc2a	NM_010069	0.548262885
Dpp4	NM_001159543,NM_010074	0.281572239
Dpp7	NM_031843	0.793924601
Dram1	NM_027878	0.867559688
Dram2	NM_001025582,NM_001286986,NM_001286987,NM_026013	0.68212472

Eif5a	NM_001166589,NM_001166590,NM_001166591,NM_001166592,NM_001166593,NM_001166594,NM_001166595,NM_	1.753971241
Enpep	NM_007934	0.442523382
Entpd4	NM_026174,NM_026174_dup1	0.91290902
Epr1	NM_134065	0.762718083
Fam20c	NM_030565	0.752443466
Fgfr3	NM_001163215,NM_001163216,NM_001163217,NM_001205270,NM_008010	0.807240554
Flot1	NM_008027	1.001450379
Flot2	NM_001040403,NM_001284227,NM_001284228,NM_008028	0.906766868
Fnbp1	NM_001038700,NM_001177648,NM_001177649,NM_001177650,NM_019406	0.737058249
Fth1	NM_010239,NR_073181	0.969217316
Ftl1	NM_010240	1.113490686
Fuca1	NM_024243	1.10823658
Fuca2	NM_001330198,NM_025799	0.800110363
Fyco1	NM_001110253,NM_148925	0.515736477
Gaa	NM_001159324,NM_008064	0.812377663
Gabarap	NM_019749	1.117269999
Galc	NM_008079	0.536354062
Gains	NM_001193645,NM_016722	0.595717831
Gba	NM_001077411,NM_008094,NR_122037	0.89640294
Gga1	NM_145929	0.870450784
Gga2	NM_028758	0.804295355
Gga3	NM_001252067,NM_173048	0.752516531
Ggh	NM_010281	1.128419622
Gimap5	NM_175035	0.222828906
Gja1	NM_010288	0.468244259
Gla	NM_013463	1.533217196
Glb1	NM_009752,NR_108101,NR_108102	0.752173168
Gm2a	NM_010299	0.935584263
Gnptab	NM_001004164	0.594194763
Gnptg	NM_001346737,NM_172529	0.880556186
Gns	NM_029364	0.664357132
Got1	NM_010324	0.580095685
Gpc3	NM_016697	0.724936934
Gpr137b	NM_031999	0.744637579
Grn	NM_008175	0.758495696
Gusb	NM_010368	0.716414807
H2-Aa	NM_010378	0.17110578
H2-DMa	NM_010386	0.974492214
H2-Eb1	NM_010382	0.209144311
Hexa	NM_010421	0.836337476
Hexb	NM_010422	0.893660641
Hgsnat	NM_029884	0.812513364
Hps4	NM_138646	1.087283401
Hpse	NM_152803	1.227157659
Hyal1	NM_001331161,NM_008317	0.499435491
Hyal2	NM_010489	0.728426636
Hyal3	NM_178020	0.942715206
Ids	NM_010498	0.761230707
Idua	NM_008325,NM_172997	0.557967404
Ifi30	NM_023065	0.622756548
Ifitm3	NM_025378	1.226212152
Igf2r	NM_010515	0.860679992
Irgm1	NM_008326	2.36837688
Itm2c	NM_022417	0.920525786
Kif2a	NM_001145779,NM_008442	1.499589879
Lamp1	NM_001317353,NM_010684	0.869730343
Lamp2	NM_001017959,NM_001290485,NM_010685	1.005292194
Lamtor1	NM_025605	0.590896765
Lamtor2	NM_031248	0.885257912
Laptm4a	NM_008640	0.917325304
Laptm4b	NM_033521	0.998748436
Laptm5	NM_010686	0.112533071
Ldir	NM_001252658,NM_001252659,NM_010700	1.033252808
Lgmn	NM_011175	0.682556879
Lipa	NM_001111100,NM_021460	0.459615814
Litaf	NM_019980	1.266467558
Lmbrd1	NM_001310483,NM_026719	0.925672958
Lpl	NM_008509	1.064554603
Lrba	NM_001077687,NM_001077688,NM_030695	0.854455216
M6pr	NM_010749	0.874798014
Man2b1	NM_010764	0.677682789
Man2b2	NM_008550	0.744615697
Manba	NM_027288	0.407079578
Manf	NM_029103	1.663134637
March2	NM_001252480,NM_145486,NR_045522,NR_045523	0.712571912
March3	NM_177115	1.49722734
March8	NM_001302383,NM_001302384,NM_001302385,NM_027920	0.667287242
March9	NM_001033262	0.78973009
Mcoln1	NM_053177	0.724652926
Mfsd8	NM_028140	0.841898065
Mmd	NM_026178	0.416019443
Mmp13	NM_008607	1.029010298
Mt1	NM_013602	0.837703465
Mtor	NM_020009	0.578882523
Myh1	NM_030679	0.847009625
Myo7a	NM_001256081,NM_001256082,NM_001256083,NM_008663	0.690706499
Naaa	NM_001163687,NM_025972	0.847989571
Naga	NM_008669	0.745410683

Naglu	NM_013792	0.742121173
Nagpa	NM_013796,NR_027804	0.52264806
Nbr1	NM_001252220,NM_001252222,NM_001252223,NM_008676	0.62265726
Ncstn	NM_021607	0.978762497
Neu1	NM_010893	0.841856532
Nos1	NM_008712	0.553352675
Npc1	NM_008720	0.606662889
Npc2	NM_023409	0.956059498
Ostm1	NM_172416	0.755689776
P2ry2	NM_001302346,NM_001302347,NM_008773	0.682995818
P4hb	NM_011032	1.072379633
Pcsk9	NM_153565	0.459124888
Pcyox1	NM_025823	0.724332143
Pdgfrb	NM_001146268,NM_008809	0.463768229
Pdia3	NM_007952	1.096902233
Pf4	NM_019932	0.27647082
Pla2g15	NM_133792	0.448131545
Plbd1	NM_025806	0.672600073
Plbd2	NM_023625	0.953579456
Rab9	NM_019773	0.860756146
Rilp	NM_001029938	0.532694145
Rnaset2a	NM_001083938	1.244386595
Rnaset2b	NM_026611,NM_026611_dup1	1.254256633
Rnf13	NM_001113413,NM_001304454,NM_001304456,NM_011883,NR_130743	0.815407125
Rnf152	NM_001160368,NM_178779	1.084917468
Rptor	NM_001306081,NM_028898	0.99996811
Rraga	NM_178376	1.081289881
Rragb	NM_001004154	0.672785529
Rragc	NM_017475	1.018178519
Rragd	NM_027491	0.698580758
Scarb2	NM_007644	0.867103418
Scpep1	NM_029023	1.036202988
Sgsh	NM_018822	0.704542964
Siae	NM_011734	0.828619969
Sidt2	NM_001289668,NM_172257	1.132866169
Slc11a2	NM_001146161,NM_008732	1.505842951
Slc15a3	NM_023044	1.324307751
Slc15a4	NM_133895	1.062003748
Pld3	NM_001317355,NM_011116	0.875299794
Plekhf1	NM_024413	0.737878259
Plod1	NM_011122	0.607042032
Pnpla7	NM_146251	0.655472457
Pon2	NM_183308	1.109676718
Ppt1	NM_008917	1.076307479
Ppt2	NM_001302393,NM_001302394,NM_001302395,NM_001302396,NM_019441	0.600879039
Pqlc2	NM_145384	0.462731686
Prcp	NM_028243	0.784018446
Prdx6	NM_001303408,NM_007453,NR_130150	1.309336866
Psap	NM_001146120,NM_001146121,NM_001146122,NM_001146123,NM_001146124,NM_011179	0.819065311
Psen1	NM_008943	1.140826261
Psen2	NM_001128605,NM_011183	1.128807258
Rab14	NM_026697	1.043776565
Rab27a	NM_001301230,NM_001301232,NM_023635	0.536226308
Rab7	NM_001293652,NM_001293653,NM_001293654,NM_001293655,NM_009005	0.916940861
Slc17a5	NM_001276452,NM_172773	0.518545995
Slc26a11	NM_178743	1.057074126
Slc29a3	NM_023596	0.419543705
Slc31a1	NM_175090	1.348744139
Slc36a1	NM_153139	0.522649796
Slc48a1	NM_026353	0.59221689
Smpd1	NM_011421	0.772195954
Smpd13a	NM_020561	0.531590493
Snap23	NM_001177792,NM_001177793,NM_009222	1.112127455
Snapi	NM_133854	0.678335996
Snx16	NM_001127191,NM_029068	0.85929124
Sort1	NM_001271599,NM_019972	0.698923184
Sphk2	NM_001172561,NM_020011,NM_203280	0.877396802
Spns1	NM_023712,NR_045537	0.915671211
Src	NM_001025395,NM_009271	0.889883347
Srgn	NM_011157	0.679522529
Stx3	NM_001025307,NM_001286543,NM_011502,NM_152220	1.018774791
Stx7	NM_016797	0.764295877
Stx8	NM_018768	0.918914048
Stxbp2	NM_011503	0.608206473
Sumf1	NM_145937	1.041363458
Syt7	NM_018801,NM_173067,NM_173068	0.395603167
Tcirg1	NM_001136091,NM_001167784,NM_016921	0.794643701
Tecpr1	NM_027410	0.599024286
Thbs1	NM_001313914,NM_011580	0.562591903
Tlr7	NM_001290755,NM_001290756,NM_001290757,NM_001290758,NM_133211	0.20069375
Tm9sf1	NM_028780	0.889309889
Tmbim1	NM_027154	1.680520421
Tmem106b	NM_027992	0.388402711
Tmem192	NM_001163747,NM_028427	0.646816375
Tmem55a	NM_028264	0.70315234
Tmem55b	NM_001033271,NM_001310505,NM_001310506,NM_001310507	0.915660092
Tmem63a	NM_144794	0.821888488
Tmem9	NM_001160145,NM_001160146,NM_025439	0.782433297

Tmem97	NM_133706	1.236361209
Tnfaip3	NM_001166402,NM_009397	0.292824268
Tpcn1	NM_145853	0.746212357
Tpcn2	NM_146206,NR_132642,NR_132643,NR_132644	0.840823146
Tpp1	NM_009906	0.636314108
Trim23	NM_030731	0.554293044
Trip10	NM_001242389,NM_001242390,NM_001242391,NM_134125	1.347910371
Unc13d	NM_001009573	0.561849703
Unc93b1	NM_001161428,NM_019449	0.696405905
Uvrag	NM_178635	0.845424643
Vamp8	NM_016794	0.839340123
Vma21	NM_001081356,NM_001290780,NM_001290781	0.825944732
Vps11	NM_027889	0.835756058
Vps18	NM_172269	0.690352073
Vps33a	NM_029929	0.769318632
Vps33b	NM_178070	0.66332178
Vps36	NM_027338	0.834648299
Vps39	NM_147153,NM_178851,NR_027618	0.906640658
Vps4b	NM_009190	1.012876048
Wdr48	NM_026236	0.656493774
Znrf1	NM_001168621,NM_001168622,NM_001168623,NM_133206	0.879788464
Znrf2	NM_199143	0.752898083