

Supplementary Table 1: The corrected p-values of the WB

Index	Sample	IOD	Intensity	P-value	FDR
TLR4	FC1	0.65	0.65±0.05	0.047	0.047
	FC2	0.71			
	MC3	0.53			
	MC4	0.79			
	FA1	1.02	1.09±0.05		
	FA2	1.47			
	MA3	0.99			
	MA4	1.19			
NF-κB	FC1	0.88	0.82±0.19	0.005	0.010
	FC2	1.31			
	MC3	0.66			
	MC4	0.44			
	FA1	1.26	1.39±0.13		
	FA2	1.67			
	MA3	1.53			
	MA4	1.09			
NLRP3	FC1	0.78	0.81±0.08	0.033	0.044
	FC2	0.74			
	MC3	1.06			
	MC4	0.68			
	FA1	1.25	1.28±0.07		
	FA2	1.18			
	MA3	1.21			
	MA4	1.47			
CASP1	FC1	0.95	0.72±0.13	0.001	0.004
	FC2	0.39			
	MC3	0.87			
	MC4	0.67			
	FA1	1.20	1.19±0.11		
	FA2	1.03			
	MA3	1.50			
	MA4	1.02			

Note: FC-Female Control Group; FA-Female Aspartame Group; MC-Male Control Group; MA-Male Aspartame Group. Data are expressed as mean ± standard error of the mean (x±SEM), n=4.

Supplementary Table 2: The corrected p-values of the ELISA

Index	Groups	Concentration/(ng/L)	P-value	Corrected P-value
IL-1 β	CON	54.68 $\pm$ 11.31	0.030	0.030
	ASP	68.21 $\pm$ 6.69		
IL-18	CON	82.50 $\pm$ 9.41	0.006	0.012
	ASP	147.29 $\pm$ 16.23		

Note: Data are expressed as mean $\pm$ standard error of the mean (x $\pm$ SEM), n=6.

Supplementary Table 3: The corrected p-values of the RT-qPCR

Index	Groups	Relative levels	P-value	Corrected P-value
Ifit3	CON	1.01 $\pm$ 0.08	0.018	0.036
	ASP	1.37 $\pm$ 0.08		
Rsad2	CON	1.09 $\pm$ 0.25	0.006	0.024
	ASP	2.33 $\pm$ 0.17		
Ifitm3	CON	1.23 $\pm$ 0.43	0.026	0.042
	ASP	2.90 $\pm$ 0.38		
Irf7	CON	1.11 $\pm$ 0.30	0.049	0.049
	ASP	2.48 $\pm$ 0.47		
Ripk2	CON	1.05 $\pm$ 0.17	0.008	0.021
	ASP	2.99 $\pm$ 0.47		
Gvin1	CON	1.35 $\pm$ 0.68	0.042	0.048
	ASP	3.85 $\pm$ 0.69		
Gbp3	CON	1.25 $\pm$ 0.54	0.002	0.016
	ASP	5.63 $\pm$ 0.60		
Gm4070	CON	1.03 $\pm$ 0.14	0.035	0.047
	ASP	4.30 $\pm$ 1.19		

Note: Data are expressed as mean $\pm$ standard error of the mean ($\bar{x} \pm \text{SEM}$), $n=4$.

Supplementary Table 4: The FDR values of the DEGs

X.ID	Symbol	P-value	Log2FC	Regulated	FDR
ENSMUSG0000000008	Cox5a	0.0482847143747421	-0.420164085	down	0.0498863580287503
8					
ENSMUSG00000000074	Rpl13	0.00896563238453919	-0.384360072	down	0.0422652130581139
0					
ENSMUSG00000000162	Ifrd1	0.0395416828382579	-0.503269656	down	0.0493653332765513
7					
ENSMUSG00000000190	Trmt1	0.0152664038680714	-0.456331479	down	0.0457733746029175
9					
ENSMUSG00000000242	Hlrf	0.0444177072921083	0.56071038494807	up	0.0498863580287503
8			7		
ENSMUSG00000000252	Puf60	0.00929662527551182	-0.329821157	down	0.0422652130581139
4					
ENSMUSG00000000273	Fkbp7	0.0495486524699801	0.94438168857069	up	0.0498863580287503
2			5		
ENSMUSG00000000288	Adgre5	0.03827144495489	0.62060268734832	up	0.0491918310807618
5			6		
ENSMUSG00000000299	Hbp1	0.0454160684829457	0.51421119002584	up	0.0498863580287503
6			2		
ENSMUSG00000000309	Ppp5c	0.000714691183167596	-0.549064383	down	0.0214061570618853
9					
ENSMUSG00000000319	Mpnd	0.00165197160397931	-0.564503366	down	0.02947279433436
9					
ENSMUSG00000000326	Cyth2	0.0190814749746845	-0.489417394	down	0.048331169177597
9					
ENSMUSG00000000352	Slc25a1	0.0383905771496396	-0.445781391	down	0.0492140025769406
8					
ENSMUSG00000000380	Farsa	0.0345167737829231	-0.426693298	down	0.0491918310807618
8					
ENSMUSG00000000418	Kifc2	0.00593775105230706	-0.459923477	down	0.0399374762559283
7					
ENSMUSG00000000484	Ap1s1	0.000617667616974246	-0.463149398	down	0.0214061570618853
9					
ENSMUSG00000000492	Thop1	0.0307921706909188	-0.621126099	down	0.0491918310807618
9					
ENSMUSG00000000493	Matk	0.000154454231693627	-0.579012858	down	0.0189592569403927
3					
ENSMUSG00000000496	Syt5	0.000861127416295253	-0.49343337	down	0.0222533453368931
1					

ENSMUSG0000000568					
7	Bcas2	0.0127960038089929	-0.363852946	down	0.044652276984312
ENSMUSG0000000582					
3	Gpr108	0.0347929395525552	-0.41926272	down	0.0491918310807618
ENSMUSG0000000587			0.28448015708307		
1	Apc	0.0400150766681617	7	up	0.0493653332765513
ENSMUSG0000000628					
9	Osgep	0.0212858661114281	-0.469867046	down	0.0489472237768017
ENSMUSG0000000639					
5	Hyi	0.0486273742250191	-1.051421046	down	0.0498863580287503
ENSMUSG0000000641					
8	Rnfl14	0.0445981804280641	-0.314536955	down	0.0498863580287503
ENSMUSG0000000667					
5	P4htm	0.013035544970682	-0.369172605	down	0.044652276984312
ENSMUSG0000000705					
0	Lsm2	0.00970054171530781	-0.724630651	down	0.0424492061908449
ENSMUSG0000000765					
9	Bcl2l1	0.0358351535053908	-0.307391875	down	0.0491918310807618
ENSMUSG0000000772					
1	Ccdc124	0.00232487034993292	-0.413069476	down	0.0310482532051359
ENSMUSG0000000794					
4	Ttc9b	0.0166604155616584	-0.521488614	down	0.0465778917306602
ENSMUSG0000000803					
5	Mid1ip1	0.00921087763190658	-0.374595776	down	0.0422652130581139
ENSMUSG0000000813					
6	Fhl2	0.021450996061087	-1.039563471	down	0.0489472237768017
ENSMUSG0000000876			0.32343373010464		
3	Man1a2	0.0409516199166986	9	up	0.0497535182535477
ENSMUSG0000000921					
6	Fam163b	0.0284507017924166	-0.541674126	down	0.0491918310807618
ENSMUSG0000000929					
3	Ubc2g2	0.00888172754894357	-0.500403862	down	0.0422652130581139
ENSMUSG0000000973					
9	Pou6f1	0.0197703248437263	-0.51847007	down	0.048331169177597
ENSMUSG0000001165					
8	Fuz	0.0351708468845221	-0.537060869	down	0.0491918310807618
ENSMUSG0000001229					
6	Tjap1	0.0172217521700055	-0.835707207	down	0.047239554835043
ENSMUSG0000001242					
9	Mplkip	0.0294943780416413	-0.940917082	down	0.0491918310807618
ENSMUSG0000001316					
0	Atp6v0d1	0.0192792447721725	-0.281644399	down	0.048331169177597
ENSMUSG0000001378					
7	Ehmt2	0.032419032255349	-0.359759827	down	0.0491918310807618

ENSMUSG0000001385					
8	Tmem259	0.0462302702095967	-0.509972749	down	0.0498863580287503
ENSMUSG0000001498					
0	Tsen15	0.0492322154183099	-0.359808698	down	0.0498863580287503
ENSMUSG0000001547					
8	Rnf5	0.00477894756395717	-0.380501312	down	0.037256446979174
ENSMUSG0000001575					
0	Aph1a	0.00611594171724163	-0.524633679	down	0.0405800997725087
ENSMUSG0000001580					
6	Qdpr	0.01485884157946	-0.359913703	down	0.0457733746029175
ENSMUSG0000001586					
9	Prpsap1	0.0327725697372333	-0.493753167	down	0.0491918310807618
ENSMUSG0000001599					
4	Fnta	0.00186080778893108	-0.57834513	down	0.02947279433436
ENSMUSG0000001650					
3	Gtf3a	0.00445425181693013	-0.657967785	down	0.037256446979174
ENSMUSG0000001722					
1	Psmc3	0.00543456291610108	-0.447014	down	0.0377909335537459
ENSMUSG0000001730					
7	Acot8	0.0393038124274756	-0.505300993	down	0.0492664540158487
ENSMUSG0000001804					
0	Rrp7a	0.000784747102065043	-0.504836481	down	0.0214061570618853
ENSMUSG0000001818					
9	Uchl5	0.030204225973981	-0.362648777	down	0.0491918310807618
ENSMUSG0000001821					
7	Pmp22	0.0321269688489019	-0.431908264	down	0.0491918310807618
ENSMUSG0000001867					
2	Copz2	0.041899525975141	-0.861958133	down	0.0498054927333065
ENSMUSG0000001867					
7	Slc25a39	0.035544814935217	-0.318205355	down	0.0491918310807618
ENSMUSG0000001942					
8	Fkbp8	0.000486963002845388	-0.444752002	down	0.0214061570618853
ENSMUSG0000001943					
7	Tlcl1	0.0252780359354388	-0.5158845	down	0.049055455708931
ENSMUSG0000001965					
9	Ccdc12	0.0376993811644775	-0.351492759	down	0.0491918310807618
ENSMUSG0000002021					
1	Sf3a2	0.0068996670220135	-0.624570089	down	0.0416702298680335
ENSMUSG0000002028					
4	1810043G02Rik	0.0183497895391644	-0.42885921	down	0.048331169177597
ENSMUSG0000002038					
1	Mrnip	0.0266476941689461	-0.506454764	down	0.0491918310807618
ENSMUSG0000002054					
4	Cox11	0.0221255972153904	-0.744419683	down	0.0489472237768017

1	ENSMUSG0000002064	Rsad2	0.00859898216007255	1.66082243398127	up	0.0422652130581139
3	ENSMUSG0000002084	Timm22	0.0316502950877272	-0.337554414	down	0.0491918310807618
5	ENSMUSG0000002095	Ap4s1	0.0461593986213242	-0.399417758	down	0.0498863580287503
1	ENSMUSG0000002096	Ston2	0.00523048679722487	0.84026869474076 5	up	0.0377909335537459
4	ENSMUSG0000002112	Vti1b	0.0128059592168266	-0.349328785	down	0.044652276984312
0	ENSMUSG0000002119	Lgmn	0.0370486408366457	-0.282531149	down	0.0491918310807618
4	ENSMUSG0000002119	Chga	0.00194239428254228	-0.495105766	down	0.0298036122727581
0	ENSMUSG0000002120	Asb2	0.0475256454077613	-0.996043246	down	0.0498863580287503
9	ENSMUSG0000002125	Cyp46a1	0.00628360172221682	-0.457126552	down	0.0405953742843218
2	ENSMUSG0000002128	Eif5	0.0287510454279074	-0.37364828	down	0.0491918310807618
6	ENSMUSG0000002128	Zfyve21	0.007729531753073	-0.586197718	down	0.0416702298680335
7	ENSMUSG0000002137	Dek	0.0190165190136	-0.478405158	down	0.048331169177597
9	ENSMUSG0000002137	Id4	0.0180735897753793	0.36456212118496 6	up	0.048331169177597
3	ENSMUSG0000002141	Prpf4b	0.0273991459866253	0.29068767418681 9	up	0.0491918310807618
0	ENSMUSG0000002146	Auh	0.0320758284136773	-0.38295892	down	0.0491918310807618
3	ENSMUSG0000002149	Pdlim7	0.0290124509100239	-0.347345144	down	0.0491918310807618
8	ENSMUSG0000002150	Cxcl14	0.000640707588621309	-0.709207605	down	0.0214061570618853
0	ENSMUSG0000002155	2210016F16Rik	0.00921522600930702	-0.769057839	down	0.0422652130581139
0	ENSMUSG0000002168	Crhbp	0.0224123385908763	-0.737623967	down	0.0489472237768017
1	ENSMUSG0000002181	Dnajc9	0.0053434320242813	-0.496338422	down	0.0377909335537459
8	ENSMUSG0000002186	Ppif	0.000699862161962329	-0.781058897	down	0.0214061570618853
2	ENSMUSG0000002193	Rnaseh2b	0.0366021276975708	-0.521423379	down	0.0491918310807618

ENSMUSG0000002200			0.47700027467469		
8	Gpalpp1	0.0429004949045484	5	up	0.0498774834296129
ENSMUSG0000002201					
8	Rgcc	0.0087469871595674	-0.638920929	down	0.0422652130581139
ENSMUSG0000002206					
4	Pibf1	0.0252870386362457	1	up	0.049055455708931
ENSMUSG0000002210					
8	Itm2b	0.00159137021855216	-0.385091251	down	0.02947279433436
ENSMUSG0000002213					
0	Tgds	0.0466645341595382	0.88446714341877	up	0.0498863580287503
ENSMUSG0000002221					
7	Emc9	0.0044181815729974	-0.423525983	down	0.037256446979174
ENSMUSG0000002248					
9	Pde1b	0.0185894758461797	-0.378361812	down	0.048331169177597
ENSMUSG0000002252					
8	Hes1	0.0425977369934142	4	up	0.0498054927333065
ENSMUSG0000002307					
4	Mospd1	0.0471032302547415	1	up	0.0498863580287503
ENSMUSG0000002310					
6	Denr	0.0238253349997869	-0.298340668	down	0.0490348311849298
ENSMUSG0000002320					
6	Il15ra	0.0262232439322062	-1.312645168	down	0.0491918310807618
ENSMUSG0000002391					
1	Flywhc2	0.032605173576184	-0.345017508	down	0.0491918310807618
ENSMUSG0000002396					
1	Enpp4	0.0230381774899985	4	up	0.0489472237768017
ENSMUSG0000002405					
5	Cyp4f13	0.0177063426196598	-1.130266035	down	0.0480875940988246
ENSMUSG0000002409					
6	Ralbp1	0.0357911669489702	-0.448249139	down	0.0491918310807618
ENSMUSG0000002421					
7	Snrpc	0.0239662159724871	-0.351918705	down	0.0490348311849298
ENSMUSG0000002439					
3	Prrc2a	0.0448071922176718	-0.333981518	down	0.0498863580287503
ENSMUSG0000002442					
5	Ndfip1	0.000637313559600494	-0.488734988	down	0.0214061570618853
ENSMUSG0000002457					
0	Rbfa	0.0195897672475421	-0.632309639	down	0.048331169177597
ENSMUSG0000002464					
4	Cndp2	0.0370416232991192	-0.442677582	down	0.0491918310807618
ENSMUSG0000002473					
6	Tmem132a	0.013443974486965	-0.51776103	down	0.0446858896664744
ENSMUSG0000002487					
0	Rab1b	0.000248543760279025	-0.533515446	down	0.0214061570618853

ENSMUSG0000002493					
7	Ehbp111	0.0259764123916946	-0.441947451	down	0.049055455708931
ENSMUSG0000002495					
7	Kcnk4	0.0272988892474052	-1.817888617	down	0.0491918310807618
ENSMUSG0000002543					
6	Atp23	0.0147353185542566	-1.123033065	down	0.0457733746029175
ENSMUSG0000002549					
2	Ifitm3	0.00227840563665852	0.81940176330243	up	0.0310482532051359
ENSMUSG0000002549					
8	Irf7	0.0423994131951109	0.91475899145136	up	0.0498054927333065
ENSMUSG0000002552					
1	Tmem192	0.00215601950001024	-0.821695787	down	0.0310482532051359
ENSMUSG0000002558					
4	Pde8a	0.0257676174869776	-0.732782249	down	0.049055455708931
ENSMUSG0000002582					
5	Iscu	0.0304749651512466	-0.422261401	down	0.0491918310807618
ENSMUSG0000002615					
3	Fam135a	0.0485905661470516	-0.560167562	down	0.0498863580287503
ENSMUSG0000002652					
0	Pycr2	0.00172543033295821	-0.568830782	down	0.02947279433436
ENSMUSG0000002672					
8	Vim	0.0131080160769455	-0.462808847	down	0.044652276984312
ENSMUSG0000002685					
7	Ntmt1	0.0319038924426367	-0.394537499	down	0.0491918310807618
ENSMUSG0000002719					
9	Gatm	0.0415303470007572	-0.320886902	down	0.0498054927333065
ENSMUSG0000002720					
1	Myef2	0.0354706007047423	-0.587863123	down	0.0491918310807618
ENSMUSG0000002733					
0	Cdc25b	0.0344381609538602	0.84363153231844	up	0.0491918310807618
ENSMUSG0000002734					
9	Fam98b	0.049488709242658	0.38701834963255	up	0.0498863580287503
ENSMUSG0000002740					
4	Snrpb	0.0425804147594943	-0.286097713	down	0.0498054927333065
ENSMUSG0000002757					
3	Gid8	0.0213740680556797	-0.461509578	down	0.0489472237768017
ENSMUSG0000002761					
8	Nfs1	0.00712220907857261	-0.496611681	down	0.0416702298680335
ENSMUSG0000002770					
9	Mccc1	0.0317996630647638	-0.550575829	down	0.0491918310807618
ENSMUSG0000002787					
8	Notch2	0.0359259034056751	-1.181358651	down	0.0491918310807618
ENSMUSG0000002799					
6	Sfrp2	0.0218342443948582	-1.032074785	down	0.0489472237768017

ENSMUSG0000002804					
1	Adam15	0.0357566150651246	-0.402214405	down	0.0491918310807618
ENSMUSG0000002806					
4	Sema4a	0.0170935868209821	-0.461062299	down	0.0471514108376529
ENSMUSG0000002807					
0	Naxe	0.00723560832439453	-0.436629625	down	0.0416702298680335
ENSMUSG0000002826					
6	Lmo4	0.0434844795073148	-0.348114877	down	0.0498774834296129
ENSMUSG0000002826			0.98575119718976		
8	Gbp3	0.0318360440664288	7	up	0.0491918310807618
ENSMUSG0000002839					
1	Wdr31	0.0339538891159814	-0.648842235	down	0.0491918310807618
ENSMUSG0000002874					
3	Akr7a5	0.0143823204069665	-0.470019122	down	0.0457733746029175
ENSMUSG0000002875					
7	Ddost	0.00726828956110807	-0.400616621	down	0.0416702298680335
ENSMUSG0000002882					
1	Syf2	0.00546467674606102	-0.400309249	down	0.0377909335537459
ENSMUSG0000002888			0.74803893298931		
6	Eya3	0.0255733865209959	6	up	0.049055455708931
ENSMUSG0000002892					
3	Necap2	0.0241299413630201	-0.433798017	down	0.0490348311849298
ENSMUSG0000002900					
1	Fbxo44	0.0342657718348743	-0.282739452	down	0.0491918310807618
ENSMUSG0000002907					
1	Dvl1	0.030994748619496	-0.477884238	down	0.0491918310807618
ENSMUSG0000002911					
9	Man2b2	0.0296395081401746	1.14044060943929	up	0.0491918310807618
ENSMUSG0000002916					
6	Mapre3	0.0270256034636879	-0.293779686	down	0.0491918310807618
ENSMUSG0000002956					
1	Oasl2	0.0397936022072089	1.02724364072053	up	0.0493653332765513
ENSMUSG0000002971					
3	Gnb2	0.000759639442339044	-0.567036557	down	0.0214061570618853
ENSMUSG0000002981					
5	Malsu1	0.0244457364652614	-0.587089425	down	0.049055455708931
ENSMUSG0000003003					
0	1700003E16Rik	0.0151875032528654	-0.686196225	down	0.0457733746029175
ENSMUSG0000003008					
6	Chchd6	0.0142117081445062	-0.33992321	down	0.0457733746029175
ENSMUSG0000003016					
1	Gabarap11	0.0107177826391281	-0.307409697	down	0.0440780210864858
ENSMUSG0000003027					
2	Camk1	0.0163533179603601	-0.364171973	down	0.0465778917306602

ENSMUSG0000003033					
9	Ltbr	0.0118656311404009	-0.855563142	down	0.044652276984312
ENSMUSG0000003088					
9	Vwa3a	0.0499450994228182	1.20210480014921	up	0.0499450994228182
ENSMUSG0000003096					
6	Trim21	0.0454778487031203	1.79719158290773	up	0.0498863580287503
ENSMUSG0000003153					
2	Saraf	0.00427984238485544	-0.345617544	down	0.037256446979174
ENSMUSG0000003159			0.41419594631223		
2	Pcm1	0.0169875565714425	3	up	0.0471236738789733
ENSMUSG0000003177					
5	Plip	0.0477169870606622	-0.369702434	down	0.0498863580287503
ENSMUSG0000003181					
3	Mvb12a	0.0113911848185984	-0.45809202	down	0.0444502738424393
ENSMUSG0000003217					
1	Pin1	0.00520778037448489	-0.412360958	down	0.0377909335537459
ENSMUSG0000003223					
9	Rp9	0.0221907751699993	-0.534666578	down	0.0489472237768017
ENSMUSG0000003225			0.84089493626651		
8	Lca5	0.0264856877328789	1	up	0.0491918310807618
ENSMUSG0000003228					
8	Imp3	0.00484162806936211	-0.635773282	down	0.037256446979174
ENSMUSG0000003232					
4	Tspan3	0.00231237016330416	-0.357723605	down	0.0310482532051359
ENSMUSG0000003240					
7	U2surp	0.0483034517477416	0.30650695102653	up	0.0498863580287503
ENSMUSG0000003259					
5	Cdhr4	0.00560845361410704	1.37832343466252	up	0.0382465378406466
ENSMUSG0000003294					
6	Rasgrp2	0.0279009083428423	-0.443691087	down	0.0491918310807618
ENSMUSG0000003295					
9	Pebp1	0.00107660914300239	-0.338540133	down	0.0251721471054368
ENSMUSG0000003308					
8	Triobp	0.0419762783603822	-0.875683403	down	0.0498054927333065
ENSMUSG0000003343					
4	Gtpbp6	0.0194583242702331	-0.483853909	down	0.048331169177597
ENSMUSG0000003370					
7	Lrrc24	0.00653665676066847	-0.465304617	down	0.04114741627549
ENSMUSG0000003373					
5	Spr	0.00091335670623968	-0.525264966	down	0.0224229071381841
ENSMUSG0000003398			0.44378857540257		
3	Coil	0.0497356519245576	6	up	0.0498863580287503
ENSMUSG0000003425					
9	Exosc4	0.00233968506841146	-0.528361755	down	0.0310482532051359

ENSMUSG0000003484					
5	Pivap	0.00794966460125595	-0.638492209	down	0.0416702298680335
ENSMUSG0000003489					
1	Snrb	0.0219431730812782	-0.294568102	down	0.0489472237768017
ENSMUSG0000003493					
6	Arl4d	0.024079309603394	-0.632410692	down	0.0490348311849298
ENSMUSG0000003539					
0	Brsk1	0.0144755688583277	-0.670780571	down	0.0457733746029175
ENSMUSG0000003558					
5	Tsen34	0.00179482529917032	-0.504304593	down	0.02947279433436
ENSMUSG0000003569					
2	Isg15	0.0148278389676782	0.96510654655234 5	up	0.0457733746029175
ENSMUSG0000003583					
5	Pippr3	0.000119686281312561	-0.741345779	down	0.0189592569403927
ENSMUSG0000003613					
8	Acaa1a	0.0157815568295042	-0.417982703	down	0.0461234785909914
ENSMUSG0000003621					
4	Znrd1as	0.0477078779071598	-0.846705688	down	0.0498863580287503
ENSMUSG0000003663					
4	Mag	0.0474647995710253	-0.284851113	down	0.0498863580287503
ENSMUSG0000003687					
3	2410004B18Rik	0.046958492620215	-0.428803218	down	0.0498863580287503
ENSMUSG0000003699					
2	Nxt1	0.017726791307306	-0.608250554	down	0.0480875940988246
ENSMUSG0000003774					
0	Mrps26	0.0128280959183866	-0.445358499	down	0.044652276984312
ENSMUSG0000003774					
7	Phyhipl	0.00929161761281911	-0.383758371	down	0.0422652130581139
ENSMUSG0000003832					
3	1700066M21Rik	0.0294187166495753	-0.687638611	down	0.0491918310807618
ENSMUSG0000003836					
6	Laspl	0.0355066971649167	-0.369060925	down	0.0491918310807618
ENSMUSG0000003839					
0	Gpr162	0.00335857868681096	-0.561589582	down	0.0371494227784011
ENSMUSG0000003846					
2	Uqcrfs1	0.0328526944144312	-0.794204241	down	0.0491918310807618
ENSMUSG0000003869					
5	Josd2	0.0426034764724821	-0.326766309	down	0.0498054927333065
ENSMUSG0000003888					
0	Mrps34	0.0300023823848939	-0.299612738	down	0.0491918310807618
ENSMUSG0000003904					
1	Adrm1	0.00310580510642273	-0.453919245	down	0.0371494227784011
ENSMUSG0000003919					
9	Zdhc1	0.00348165310112574	-1.586039556	down	0.0371628624489726

ENSMUSG0000003927			0.34545941203410		
0	Megf9	0.0345264776413049	1	up	0.0491918310807618
ENSMUSG0000003927					
8	Pcsk1n	0.0135604838295411	-0.860936441	down	0.0446858896664744
ENSMUSG0000003978					
1	Cep131	0.0180219686979615	-0.822259835	down	0.048331169177597
ENSMUSG0000003986					
0	Srrm3	0.0416268548917778	-0.502774568	down	0.0498054927333065
ENSMUSG0000003988					
6	Tmem120a	0.0432383530898381	-0.500682947	down	0.0498774834296129
ENSMUSG0000004015					
8	Tax1bp3	0.0274872287178118	-0.50455968	down	0.0491918310807618
ENSMUSG0000004027					
6	Pacsin1	0.0318043753655346	-0.273746258	down	0.0491918310807618
ENSMUSG0000004052					
1	Tsfm	0.00422551427831504	-0.543534485	down	0.037256446979174
ENSMUSG0000004065					
2	Oaz2	0.0259061589603108	-0.277157315	down	0.049055455708931
ENSMUSG0000004072					
9	Cep126	0.021471634207089	1.01908223357009	up	0.0489472237768017
ENSMUSG0000004112					
6	H2afv	0.00252014454483009	-0.541556686	down	0.0325629203029362
ENSMUSG0000004113					
5	Ripk2	0.0480138732106755	1.30427168360132	up	0.0498863580287503
ENSMUSG0000004120					
3	Trir	0.014782777569883	-0.386466325	down	0.0457733746029175
ENSMUSG0000004142					
3	Paqr6	0.013915000038419	-0.499752726	down	0.0452467882043956
ENSMUSG0000004155					
9	Fmod	0.0455441830210398	-1.36240086	down	0.0498863580287503
ENSMUSG0000004156					
0	Nop53	0.0422457988533773	-0.310374151	down	0.0498054927333065
ENSMUSG0000004162					
9	Fam104a	0.0152839927627566	-0.472802043	down	0.0457733746029175
ENSMUSG0000004173					
3	Coq5	0.0420035616592433	-0.338005038	down	0.0498054927333065
ENSMUSG0000004177					
4	Ydje	0.0184739759862203	-0.644185922	down	0.048331169177597
ENSMUSG0000004180					
1	Phlda3	0.0495870993215871	-0.351087211	down	0.0498863580287503
ENSMUSG0000004239					
6	Rbm7	0.0294424519426444	-0.479274929	down	0.0491918310807618
ENSMUSG0000004247					
6	Abcb4	0.0378891183337428	-1.738354617	down	0.0491918310807618

ENSMUSG0000004267					
5	Ypel3	0.00066162937691059	-0.685785225	down	0.0214061570618853
ENSMUSG0000004269					
4	Stn1	0.0432934721261498	-0.65852396	down	0.0498774834296129
ENSMUSG0000004269			0.40642120875154		
9	Dhx9	0.0230320388042977	6	up	0.0489472237768017
ENSMUSG0000004275					
0	Bex2	0.00798247168780965	-0.304603368	down	0.0416702298680335
ENSMUSG0000004316					
5	Lor	0.00419803227220723	-1.413030246	down	0.037256446979174
ENSMUSG0000004341					
0	Hfm1	0.0253333407688743	-2.196008868	down	0.049055455708931
ENSMUSG0000004344					
5	Pgp	0.0376329422071083	-0.363124458	down	0.0491918310807618
ENSMUSG0000004351					
0	Hscb	0.0165007653061606	-0.635616987	down	0.0465778917306602
ENSMUSG0000004384					
3	Tmem145	0.0248935479192115	-0.657775236	down	0.049055455708931
ENSMUSG0000004391					
3	Ccdc60	0.032007973117336	1.47043042587244	up	0.0491918310807618
ENSMUSG0000004409					
8	Rsb1	0.0290951623352548	-0.616488269	down	0.0491918310807618
ENSMUSG0000004470					
9	Gemin7	0.00340473324852963	-0.611634925	down	0.0371494227784011
ENSMUSG0000004487					
6	Zfp444	0.0362424685702712	-0.467671131	down	0.0491918310807618
ENSMUSG0000004519					
3	Cirbp	0.000312010524428864	-0.526803572	down	0.0214061570618853
ENSMUSG0000004525					
1	Zfp688	0.0198772783955014	-0.554527003	down	0.048331169177597
ENSMUSG0000004550					
3	Sys1	0.0296452408792512	-0.432676164	down	0.0491918310807618
ENSMUSG0000004586					
8	Gvin1	0.0231278124566558	1.2073050193164	up	0.0489472237768017
ENSMUSG0000004666					
8	Cxxc5	0.0405583950493209	-0.346273857	down	0.0496612767312134
ENSMUSG0000004686					
1	Hectd3	0.0237034846431511	-0.513489211	down	0.0490348311849298
ENSMUSG0000004706					
7	Dusp28	0.0301588408066845	-0.407594025	down	0.0491918310807618
ENSMUSG0000004745			0.36671252093263		
4	Gphn	0.0473200104721504	1	up	0.0498863580287503
ENSMUSG0000004779					
7	Gjb1	0.0492820951242242	-0.481040319	down	0.0498863580287503

1	ENSMUSG0000004800	Hes5	0.0129874188695208	-0.749994391	down	0.044652276984312
8	ENSMUSG0000004807	Tenm4	0.0465639540040692	-0.292867275	down	0.0498863580287503
3	ENSMUSG0000004816	Selplg	0.00172561018999685	-0.785285977	down	0.02947279433436
9	ENSMUSG0000004824	Crebrf	0.0459617364887589	0.29867012083762 6	up	0.0498863580287503
9	ENSMUSG0000004827	Sacs	0.0374868013927694	0.46034726486644 5	up	0.0491918310807618
2	ENSMUSG0000004844	Smim5	0.0478237230950434	-0.921400805	down	0.0498863580287503
3	ENSMUSG0000004858	Igf2	0.0312852739750425	-0.616541081	down	0.0491918310807618
7	ENSMUSG0000004896	Yjefn3	0.0110424703766417	-0.698715999	down	0.0444414176633695
6	ENSMUSG0000004908	Bmyc	0.0124609173283478	-0.377523615	down	0.044652276984312
7	ENSMUSG0000004909	Ankrd34a	0.0290992003378857	-0.440145879	down	0.0491918310807618
2	ENSMUSG0000004942	Chchd10	0.00356741644165361	-1.421981784	down	0.037256446979174
7	ENSMUSG0000005035	Carmil2	0.0089578328938343	-0.482460245	down	0.0422652130581139
1	ENSMUSG0000005082	Fam131a	0.0102542067299558	-0.411821168	down	0.0434035819345543
2	ENSMUSG0000005091	Tmem123	0.027790354915364	-0.786445939	down	0.0491918310807618
3	ENSMUSG0000005140	Ppp1r37	0.00742925115916097	-0.546751479	down	0.0416702298680335
3	ENSMUSG0000005170	Tmem198	0.0033996769044966	-0.723853601	down	0.0371494227784011
9	ENSMUSG0000005229	Ltn1	0.0253952522304785	0.44542873515426 7	up	0.049055455708931
4	ENSMUSG0000005258	Serp2	0.0102127785103885	-0.450274431	down	0.0434035819345543
3	ENSMUSG0000005369	Mast1	0.00470918378926584	-0.589990989	down	0.037256446979174
6	ENSMUSG0000005370	B430305J03Rik	0.0408447162574018	-1.55678873	down	0.0497535182535477
6	ENSMUSG0000005425	Msi1	0.0114154683877008	-0.715062081	down	0.0444502738424393
4	ENSMUSG0000005440	Slfn5	0.0163590111132132	1.24941492670048	up	0.0465778917306602

ENSMUSG0000005598					
0	Irs1	0.0437167662953625	-0.684741543	down	0.0498863580287503
ENSMUSG0000005626			0.48838002364587		
0	Lrif1	0.0197849879664309	5	up	0.048331169177597
ENSMUSG0000005655					
3	Ptpn2	0.0100454341035037	1.88308814475848	up	0.0432658609194765
ENSMUSG0000005675					
8	Hmga2	0.0462001172823146	1.341753976	up	0.0498863580287503
ENSMUSG0000005682					
0	Tsnax	0.0314251729098003	-0.335584792	down	0.0491918310807618
ENSMUSG0000005778					
8	Ddx49	0.0483849523179293	-0.409268222	down	0.0498863580287503
ENSMUSG0000005848					
8	Kl	0.000279524683816861	-1.822720895	down	0.0214061570618853
ENSMUSG0000005883					
3	Rex1bd	0.0064175966789242	-0.431716729	down	0.0409225970045686
ENSMUSG0000005971					
4	Flot1	0.0329208543190392	-0.324538535	down	0.0491918310807618
ENSMUSG0000005979					
6	Eif4a1	0.00951186715945481	-0.385566194	down	0.0424492061908449
ENSMUSG0000006086					
0	Ube2s	0.00428156565502222	-1.305178848	down	0.037256446979174
ENSMUSG0000006104					
6	Haghl	0.0078182238326725	-0.320887353	down	0.0416702298680335
ENSMUSG0000006111					
1	Mcrip1	0.0110258749191285	-0.344108791	down	0.0444414176633695
ENSMUSG0000006143					
6	Hipk2	0.0429705256135082	-0.350397056	down	0.0498774834296129
ENSMUSG0000006153			0.46582594487226		
6	Sec22c	0.0342222427489344	8	up	0.0491918310807618
ENSMUSG0000006161					
3	U2af1	0.0128150193889728	-0.388715314	down	0.044652276984312
ENSMUSG0000006171					
8	Ppp1r1b	0.00336885440535106	-0.726257376	down	0.0371494227784011
ENSMUSG0000006261					
9	2310039H08Rik	0.0496078583856929	-0.621301418	down	0.0498863580287503
ENSMUSG0000006262			0.48787907033215		
7	Mysm1	0.0319418836241494	8	up	0.0491918310807618
ENSMUSG0000006301					
9	Manbal	0.038158195037483	-0.311294485	down	0.0491918310807618
ENSMUSG0000006326			0.86826621375811		
0	Syt10	0.00624488511639037	4	up	0.0405953742843218
ENSMUSG0000006332					
0	1190007I07Rik	0.046606751180388	-0.407219855	down	0.0498863580287503

ENSMUSG0000006436			0.29247675214558		
7	mt-Nd5	0.0160713464897153	1	up	0.0465778917306602
ENSMUSG0000006885					
6	Sf3b4	0.0162352559727888	-0.435531571	down	0.0465778917306602
ENSMUSG0000006984					
4	Sco1	0.0465073515487719	1.01289455691565	up	0.0498863580287503
ENSMUSG0000007031					
9	Eif3g	0.0233607068829677	-0.365849895	down	0.0490348311849298
ENSMUSG0000007040					
7	Hs3st3b1	0.0187981108851723	2.55019251271722	up	0.048331169177597
ENSMUSG0000007049					
3	Chchd2	0.0080336449401536	-0.402998359	down	0.0416702298680335
ENSMUSG0000007052					
0	Nsmce3	0.000418675844363369	-0.833339673	down	0.0214061570618853
ENSMUSG0000007277					
4	Zfp951	0.0381696152684154	1.49602117104339	up	0.0491918310807618
ENSMUSG0000007342					
1	H2-Ab1	0.00771685138073318	-1.286554718	down	0.0416702298680335
ENSMUSG0000007342					
2	H2-Kc6	0.0361138945221836	-0.661637665	down	0.0491918310807618
ENSMUSG0000007343					
3	Arhgdig	0.00812721332519992	-0.493515152	down	0.0416702298680335
ENSMUSG0000007445					
7	S100a16	0.00485623748812044	-0.48992901	down	0.037256446979174
ENSMUSG0000007460					
7	Tox2	0.00528190925628043	-0.444254727	down	0.0377909335537459
ENSMUSG0000007489					
6	Ifit3	0.0433768322222449	0.63909159635142	up	0.0498774834296129
ENSMUSG0000007533					
4	Rprm	0.00185214961424889	-0.692939294	down	0.02947279433436
ENSMUSG0000007570					
2	Selenom	0.00692309848473828	-0.388303603	down	0.0416702298680335
ENSMUSG0000007844					
0	Dohh	9.13816384190613e-05	-0.761772651	down	0.0189592569403927
ENSMUSG0000007857					
0	1110065P20Rik	0.0240852280927021	-0.468406291	down	0.0490348311849298
ENSMUSG0000007860					
6	Gm4070	0.038589391022652	1.16237998215255	up	0.0492140025769406
ENSMUSG0000008681					
5	3110082J24Rik	0.0463959309266628	1.68786976427771	up	0.0498863580287503
ENSMUSG0000009009			0.74518603078758		
3	Gm14399	0.0113677079410267	7	up	0.0444502738424393
ENSMUSG0000009029			0.70358657100281		
1	Lrrc10b	0.0225393813866776	8	up	0.0489472237768017

ENSMUSG0000009178					
0	Sco2	0.013189539201146	-0.657553139	down	0.044652276984312
ENSMUSG0000009359					
3	Gm20683	0.0339375495224276	-0.550207044	down	0.0491918310807618
ENSMUSG0000009472					
4	Rnaset2b	0.0337065419927664	-0.577771985	down	0.0491918310807618
ENSMUSG0000009536			0.68120555474498		
2	Gm14325	0.033858097535166	7	up	0.0491918310807618
ENSMUSG0000009625					
7	Ccer2	0.0463058316163661	-0.761689178	down	0.0498863580287503
ENSMUSG0000009635					
1	Samd11	0.0381099066018414	1.18374942814394	up	0.0491918310807618
ENSMUSG0000010700					0.0028604911919155
2	0610012G03Rik	5.82584764137586e-06	-1.211191984	down	5
ONT.10162	ONT.10162	0.0114470679215157	0.43752179840538	up	0.0444502738424393
			1		
ONT.1038	ONT.1038	0.0069869606378179	0.59321484847658	up	0.0416702298680335
			6		
ONT.1044	ONT.1044	0.0265499159723777	1.70737960751442	up	0.0491918310807618
ONT.10505	ONT.10505	0.0104329290821096	3.14864034215692	up	0.0437826340112463
ONT.10758	ONT.10758	0.0484959364073978	-1.708509578	down	0.0498863580287503
ONT.10809	ONT.10809	0.0187834832314662	0.63996487075328	up	0.048331169177597
			3		
ONT.10904	ONT.10904	0.0262841208696161	0.67655736450689	up	0.0491918310807618
			6		
ONT.1116	ONT.1116	0.0166912702853711	0.48655960904524	up	0.0465778917306602
			5		
ONT.1150	ONT.1150	0.0221087134695072	0.89376170747602	up	0.0489472237768017
			4		
ONT.11514	ONT.11514	0.0454474169133755	-0.561786179	down	0.0498863580287503
ONT.11568	ONT.11568	0.0303525681637058	0.80683800478234	up	0.0491918310807618
			9		
ONT.11650	ONT.11650	0.035367035311529	0.94119827597678	up	0.0491918310807618
			1		
ONT.11732	ONT.11732	0.0218153489141192	1.12386998276103	up	0.0489472237768017
ONT.11755	ONT.11755	0.0237961399570148	-0.54827676	down	0.0490348311849298
ONT.118	ONT.118	0.0227284637025664	0.62709428198467	up	0.0489472237768017
			8		
ONT.11823	ONT.11823	0.00177666750200852	0.52744367881487	up	0.02947279433436
			2		
ONT.11961	ONT.11961	0.00465359718631824	-0.942345104	down	0.037256446979174
ONT.11983	ONT.11983	0.0269275048488822	2.18792632371704	up	0.0491918310807618
ONT.12168	ONT.12168	0.0495237269968471	0.55335812879733	up	0.0498863580287503
ONT.12188	ONT.12188	0.018473182148935	1.47011213102805	up	0.048331169177597

ONT.12469	ONT.12469	0.0399808799871482	1.52172636073734	up	0.0493653332765513
ONT.12789	ONT.12789	0.025728245907659	2.45094163996135	up	0.049055455708931
ONT.1326	ONT.1326	0.03798225856495	0.90613921687040 2	up	0.0491918310807618
ONT.1328	ONT.1328	0.0393328920045065	-0.525518572	down	0.0492664540158487
ONT.13398	ONT.13398	0.0241678801359532	0.87770504040264	up	0.0490348311849298
ONT.13543	ONT.13543	0.0494825526447474	1.59505576871234	up	0.0498863580287503
ONT.13712	ONT.13712	0.0371570261300109	0.69201050241872 5	up	0.0491918310807618
ONT.13725	ONT.13725	0.00797894826730576	1.2956854563446	up	0.0416702298680335
ONT.13798	ONT.13798	0.00419903642818673	3.65687794	up	0.037256446979174
ONT.14063	ONT.14063	0.00976364776066637	1.02639589123171	up	0.0424492061908449
ONT.14079	ONT.14079	0.00368136820390132	0.70164431826535 3	up	0.037256446979174
ONT.14397	ONT.14397	0.0443504925083941	-2.091150839	down	0.0498863580287503
ONT.14502	ENSMUSG00000008 5741(5430405H02Ri k/Ensembl) NONMMUG025278 .2(-/NONCODE)	0.0207576223264093	0.78388728045965 1	up	0.0489472237768017
ONT.14683	ONT.14683	0.0297822948461331	-0.955258927	down	0.0491918310807618
ONT.14730	ONT.14730	0.0458523456652668	0.66749925491205 4	up	0.0498863580287503
ONT.15078	ONT.15078	0.0416450717292096	0.50189115149349 7	up	0.0498054927333065
ONT.15499	ONT.15499	0.0381866969640561	1.53984212906119	up	0.0491918310807618
ONT.15629	ONT.15629	0.0471380340263061	1.92944266890486	up	0.0498863580287503
ONT.15637	ONT.15637	0.0228651537551686	1.94052093622255	up	0.0489472237768017
ONT.15862	ONT.15862	0.00505498721158352	2.60807640544098	up	0.0377909335537459
ONT.15920	ONT.15920	0.0387322596679435	0.78946191625511 8	up	0.0492664540158487
ONT.16128	ONT.16128	0.0343018130519969	0.70728959988993	up	0.0491918310807618
ONT.16467	ONT.16467	0.0397481536600994	0.84392994436924 7	up	0.0493653332765513
ONT.16573	ONT.16573	0.0329685221888773	0.94293308463121 8	up	0.0491918310807618
ONT.16580	ONT.16580	0.0447788502938021	0.90652034570671 8	up	0.0498863580287503
ONT.16715	ONT.16715	0.00397587385885412	0.58768081647246 4	up	0.037256446979174
ONT.16828	ONT.16828	0.0250375886240568	0.97203511271098 9	up	0.049055455708931
ONT.1700	ONT.1700	0.0374667399005971	-0.949447595	down	0.0491918310807618
ONT.171	ONT.171	0.0152181586228046	-1.105660408	down	0.0457733746029175

ONT.17561	ONT.17561	0.0425844359893068	0.31737351883898 1	up	0.0498054927333065
ONT.17676	ONT.17676	0.00901508348445245	3.19343277848052	up	0.0422652130581139
ONT.17712	ONT.17712	0.00814733618601063	0.86591314019264 3	up	0.0416702298680335
ONT.17805	ONT.17805	0.0209736864075163	1.35171503179578	up	0.0489472237768017
ONT.17819	ONT.17819	0.00939888936413493	0.78803726794482 8	up	0.0423381163100023
ONT.17845	ONT.17845	0.0481299356979191	0.59291250683534 2	up	0.0498863580287503
ONT.17856	ONT.17856	0.00769776776492253	0.53252829376334 2	up	0.0416702298680335
ONT.18025	ONT.18025	0.028965598502666	-1.887501146	down	0.0491918310807618
ONT.18315	ONT.18315	0.0489026286588866	-1.220982719	down	0.0498863580287503
ONT.18320	ONT.18320	0.000353669956178741	2.46701811459569	up	0.0214061570618853
ONT.18504	ONT.18504	0.0475731421489227	1.6324147117246	up	0.0498863580287503
ONT.1859	ONT.1859	0.0124444370044703	2.38592068526898	up	0.044652276984312
ONT.18687	ONT.18687	0.0279194846426593	1.58589809705062	up	0.0491918310807618
ONT.18728	ONT.18728	0.0166959448973446	2.58122538701645	up	0.0465778917306602
ONT.18921	ONT.18921	0.0189888376456632	1.46305313693077	up	0.048331169177597
ONT.19134	ONT.19134	0.0127119981982209	1.92055306553218	up	0.044652276984312
ONT.19142	ONT.19142	0.0364934385329841	0.74905787638582 7	up	0.0491918310807618
ONT.19234	ONT.19234	0.0438419424610546	1.80160408001409	up	0.0498863580287503
ONT.19296	ONT.19296	0.0118846482738636	1.19694591852562	up	0.044652276984312
ONT.1930	ONT.1930	0.0147154048580212	0.55024534836659 4	up	0.0457733746029175
ONT.19358	ONT.19358	0.0461557747898748	0.63229015087631 6	up	0.0498863580287503
ONT.19473	ONT.19473	0.0114973213401014	1.12419267364517	up	0.0444502738424393
ONT.19508	ONT.19508	0.0390964381022135	1.45092348610867	up	0.0492664540158487
ONT.19557	ONT.19557	0.0199821330815727	0.95269726955343 1	up	0.048331169177597
ONT.19650	ONT.19650	0.0381582939963135	1.60364870934353	up	0.0491918310807618
ONT.19812	ONT.19812	0.0205114662628182	2.62375739447639	up	0.0489472237768017
ONT.19860	ONT.19860	0.0382060050053151	-0.940890413	down	0.0491918310807618
ONT.19963	ONT.19963	0.00863512850885342	0.51885604010365 7	up	0.0422652130581139
ONT.20112	ONT.20112	0.019625270363226	1.54298485096951	up	0.048331169177597
ONT.20147	ONT.20147	0.0126022927833222	0.74164059011890 9	up	0.044652276984312
ONT.20249	ONT.20249	0.033112973639234	0.78917759940366 9	up	0.0491918310807618
ONT.20252	ONT.20252	0.0472909093945133	1.09566919072351	up	0.0498863580287503

ONT.20557	ONT.20557	0.0124896309453833	-1.281562557	down	0.044652276984312
			0.94542393529692		
ONT.20579	ONT.20579	0.0337264991795156	6	up	0.0491918310807618
ONT.20804	ONT.20804	0.0237468055015813	1.6407399695236	up	0.0490348311849298
ONT.20911	ONT.20911	0.0410390527345964	0.98911929480986	up	0.0497535182535477
			1		
	ENSMUSG0000008				
	7178(A230056P14Ri				
ONT.21187	k/Ensembl)	0.0304940341148607	0.83676893846264	up	0.0491918310807618
	NONMMUG038110				
	.2(-/NONCODE)				
ONT.21219	ONT.21219	0.00114461646729285	1.33926768194131	up	0.0255457584291268
ONT.21237	ONT.21237	0.0420681670922405	-1.129907207	down	0.0498054927333065
ONT.21312	ONT.21312	0.0190457078460688	0.81298816724995	up	0.048331169177597
			0.61522064805936		
ONT.21438	ONT.21438	0.0351320799236099	8	up	0.0491918310807618
			0.57290115865427		
ONT.21690	ONT.21690	0.0132774591440113	5	up	0.044652276984312
ONT.22070	ONT.22070	0.0300481098081823	1.61901490531981	up	0.0491918310807618
ONT.22085	ONT.22085	0.0156810968678215	2.0196118614746	up	0.046104302767068
			0.83053323557159		
ONT.22092	ONT.22092	0.0279223592618905	2	up	0.0491918310807618
	ENSMUSG0000010				
	9321(A330076H08R				
ONT.22118	ik/Ensembl)	0.0420190522625127	0.55047762640033	up	0.0498054927333065
	NONMMUG038184		8		
	.3(-/NONCODE)				
ONT.22242	ONT.22242	0.0362087845371702	1.09911112847747	up	0.0491918310807618
ONT.22402	ONT.22402	0.0277826234493565	1.41598875863895	up	0.0491918310807618
ONT.22434	ONT.22434	0.0135330153458532	0.79920027724615	up	0.0446858896664744
ONT.22437	ONT.22437	0.0353328531749477	1.23405479212915	up	0.0491918310807618
			0.87779321529793		
ONT.22513	ONT.22513	0.0353132850997733	2	up	0.0491918310807618
ONT.22674	ONT.22674	0.0435793083325946	1.75009911364007	up	0.0498774834296129
ONT.22767	ONT.22767	0.0137817463057664	2.2413499676603	up	0.0451122495742087
ONT.22999	ONT.22999	0.0107726324447623	1.34237982102422	up	0.0440780210864858
ONT.23048	ONT.23048	0.0353918948807595	-1.440443759	down	0.0491918310807618
			0.97157705957301		
ONT.23593	ONT.23593	0.0409444926424461	6	up	0.0497535182535477
ONT.23721	ONT.23721	0.031044755849102	-0.626837317	down	0.0491918310807618
ONT.23965	ONT.23965	0.0253916753651234	1.29600418418201	up	0.049055455708931
ONT.24126	ONT.24126	0.0376816992180276	1.26090002171211	up	0.0491918310807618
ONT.24185	ONT.24185	0.0204583036229348	1.53626697759554	up	0.0489472237768017

	ENSMUSG0000008				
	6914(Gm16124/Ense				
ONT.24229	mb1)	0.03475076399286	-1.579110886	down	0.0491918310807618
	NONMMUG042817				
	.2(-/NONCODE)				
ONT.2430	ONT.2430	0.0347938808612269	1.93599769058341	up	0.0491918310807618
ONT.24454	ONT.24454	0.0399211251889439	-2.089200195	down	0.0493653332765513
ONT.24555	ONT.24555	0.0391236903248541	1.31122705449559	up	0.0492664540158487
ONT.24590	ONT.24590	0.0349568226010691	-0.917116194	down	0.0491918310807618
ONT.24967	ONT.24967	0.0487409253546158	0.72315761774860	up	0.0498863580287503
			9		
ONT.25044	ONT.25044	0.0299384210387744	2.15086965857201	up	0.0491918310807618
ONT.25150	ONT.25150	0.0126892313381882	1.05103812687951	up	0.044652276984312
ONT.25154	ONT.25154	0.0339707300846552	0.45466880774625	up	0.0491918310807618
			1		
ONT.2531	ONT.2531	0.0485558280573152	0.41536470004708	up	0.0498863580287503
			5		
ONT.25316	ONT.25316	0.037501588235112	0.63351513432036	up	0.0491918310807618
			3		
ONT.25391	ONT.25391	0.0300162205680821	1.08163699773373	up	0.0491918310807618
ONT.25512	ONT.25512	0.0327230153876996	0.56586114679006	up	0.0491918310807618
			8		
ONT.25612	ONT.25612	0.0258147874076584	0.50742007559230	up	0.049055455708931
			2		
ONT.25717	ONT.25717	0.0453062970594889	0.86102787510190	up	0.0498863580287503
			3		
ONT.25751	ONT.25751	0.024887344091657	1.37704057904788	up	0.049055455708931
ONT.25834	ONT.25834	0.0412731974409311	1.13573219287145	up	0.0498054927333065
ONT.26084	ONT.26084	0.045557119121184	1.00938244911138	up	0.0498863580287503
ONT.2879	ONT.2879	0.0376049552365723	1.91415913601215	up	0.0491918310807618
ONT.3060	ONT.3060	0.0302053456758405	1.54427971263038	up	0.0491918310807618
ONT.3079	ONT.3079	0.00426403273866362	1.08628339412472	up	0.037256446979174
ONT.3337	ONT.3337	0.00976936924555085	1.60255024317015	up	0.0424492061908449
ONT.3569	ONT.3569	0.0276611468001573	1.36825330373183	up	0.0491918310807618
ONT.3703	ONT.3703	0.0442872327340164	0.76143387113629	up	0.0498863580287503
			2		
ONT.3736	ONT.3736	0.039175897105976	-1.452290996	down	0.0492664540158487
ONT.4001	ONT.4001	0.0273341356380317	2.19529907574905	up	0.0491918310807618
ONT.4015	ONT.4015	0.00328875032180722	0.73241533316013	up	0.0371494227784011
			3		
ONT.4302	ONT.4302	0.0497847564849036	-0.597408372	down	0.0498863580287503
ONT.4597	ONT.4597	0.0229151596005455	0.76417829789178	up	0.0489472237768017
			5		

ONT.4829	ONT.4829	0.038115036935258	0.52083055523863 5	up	0.0491918310807618
ONT.5126	ONT.5126	0.0337181079702143	1.14490584241883	up	0.0491918310807618
ONT.5156	ONT.5156	0.0335793944396383	1.8289540559637	up	0.0491918310807618
ONT.522	ONT.522	0.0404035108871522	1.48318834211986	up	0.0495953096139793
ONT.5320	ONT.5320	0.0431332430396651	0.45313856496141 5	up	0.0498774834296129
ONT.5430	ONT.5430	0.0495579792485288	1.23557868433562	up	0.0498863580287503
ONT.5549	ONT.5549	0.0192551157625898	0.51948831392389 8	up	0.048331169177597
ONT.5763	ONT.5763	0.0125310777594452	0.53813989235922 7	up	0.044652276984312
ONT.5868	ONT.5868	0.0428080738317054	0.41685970890825 9	up	0.0498774834296129
ONT.5946	ONT.5946	0.0292535126038017	1.20460882654109	up	0.0491918310807618
ONT.5951	ONT.5951	0.00120530658614688	1.37121916138662	up	0.0257306753825269
ONT.6018	ONT.6018	0.0249264813648183	1.0794542180625	up	0.049055455708931
ONT.6083	ONT.6083	0.0310298975282603	0.62040251762316 3	up	0.0491918310807618
ONT.610	ONT.610	0.038571726445349	1.68175288983687	up	0.0492140025769406
ONT.6328	ONT.6328	0.0199360071016199	1.85080555371072	up	0.048331169177597
ONT.6350	ONT.6350	0.0215601872969994	1.92036543155462	up	0.0489472237768017
ONT.6377	ONT.6377	0.0403806619082743	0.50730506491353 5	up	0.0495953096139793
ONT.6440	ONT.6440	0.0250730241357783	1.61773259347743	up	0.049055455708931
ONT.651	ONT.651	0.00892394365016008	1.53050366297883	up	0.0422652130581139
ONT.6589	ONT.6589	0.0105566718598685	1.88895516265291	up	0.0439264905355545
ONT.6901	ONT.6901	0.020753872222743	-1.952714143	down	0.0489472237768017
ONT.740	ONT.740	0.0292358241068749	0.58165526911824 2	up	0.0491918310807618
ONT.7507	ONT.7507	0.0390995764203819	1.19617804295835	up	0.0492664540158487
ONT.7954	ONT.7954	0.00451231474339423	0.71886328443381 6	up	0.037256446979174
ONT.808	ONT.808	0.0205396323895154	0.72460958878686 1	up	0.0489472237768017
ONT.8284	ONT.8284	0.00294836521057545	2.23129642565518	up	0.0371191620100653
ONT.83	ONT.83	0.0153820912616729	1.47713370578295	up	0.0457733746029175
ONT.8422	ONT.8422	0.0156737163405533	-1.278971489	down	0.046104302767068
ONT.8433	ONT.8433	0.0336370185757075	1.34256702336018	up	0.0491918310807618
ONT.8455	ONT.8455	0.0130023916291161	-1.741355288	down	0.044652276984312
ONT.8776	ONT.8776	0.00378908007627367	1.39541405101769	up	0.037256446979174
ONT.8810	ONT.8810	0.0455979005143022	-1.089514728	down	0.0498863580287503
ONT.884	ONT.884	0.0487705678826523	1.20695812567022	up	0.0498863580287503
ONT.8868	ONT.8868	0.0153118398524325	1.34775963572266	up	0.0457733746029175

ONT.8915	ONT.8915	0.0227236936170229	1.10566497611064	up	0.0489472237768017
ONT.9496	ONT.9496	0.0209320673909446	-1.372137772	down	0.0489472237768017
ONT.9595	ONT.9595	0.00710860404766718	1.72509962578036	up	0.0416702298680335
ONT.9657	ONT.9657	0.0306025447620408	-1.321734229	down	0.0491918310807618
ONT.9672	ONT.9672	0.0248022871551939	-2.446230461	down	0.049055455708931
ONT.994	ONT.994	0.02130820431723	1.30305452041501	up	0.0489472237768017
ONT.9941	ONT.9941	0.0229080620060655	1.33074894673835	up	0.0489472237768017
