

Gene Symbol	Gene Name	GFOLD	E-FDR	Log2FC	RPKM		Change in KO
					WT Caput	Gpx5 KO Caput	
NM_027939	1700006A11Rik	-7.17377	1	-8.90851	36.5159	0.0362032	Down
NM_009618	Adam2	-7.00094	1	-7.77894	97.3679	0.393992	Down
NM_172568	March10	-6.91972	1	-7.79118	70.6225	0.280251	Down
NM_021311	Piwil1	-6.89689	1	-8.50942	20.8867	0.0364052	Down
NM_175296	Mael	-6.89528	1	-7.40461	305.774	1.67172	Down
NM_001177437	1700016M24Rik	-6.77883	1	-7.32338	108.889	0.627084	Down
NM_029946	Efcab6	-6.76656	1	-7.49304	46.068	0.229181	Down
NM_013811	Dnahc8	-6.75078	1	-7.15477	44.947	0.295375	Down
NM_027943	Pdilt	-6.73561	1	-8.24918	42.8779	0.100689	Down
NM_177191	Sycp2	-6.69294	1	-7.30231	52.3157	0.302969	Down
NM_001161366	Tdrd6	-6.68226	1	-7.09936	83.4598	0.569286	Down
NM_009650	Akap3	-6.62092	1	-7.11841	129.594	0.865226	Down
NM_182785	Lypd4	-6.6072	1	-7.38599	172.737	0.917875	Down
NM_001163612	1700061J05Rik	-6.58439	1	-7.33426	169.706	0.938853	Down
NM_001143765	Syce1	-6.58406	1	-7.5312	114.455	0.540151	Down
NM_009446	Tuba3a	-6.57187	1	-7.02831	306.575	2.18846	Down
NM_028547	Kif2b	-6.56122	1	-7.13112	135.026	0.885527	Down
NM_053156	Allc	-6.55724	1	-7.26456	142.918	0.835922	Down
NM_009449	Tuba3b	-6.55391	1	-6.98557	323.203	2.38234	Down
NM_177791	Kctd19	-6.54511	1	-7.12421	97.2663	0.640144	Down
NM_029267	Boll	-6.5345	1	-8.14824	62.1294	0.13913	Down
NM_001033267	Qrich2	-6.52964	1	-7.16267	114.919	0.730528	Down
NM_001163836	Pabpc6	-6.52069	1	-7.15375	76.9707	0.492332	Down
NR_003643	1700123L14Rik	-6.49144	1	-7.05273	176.34	1.22251	Down
NM_010293	Gykl1	-6.45934	1	-7.10531	119.949	0.791812	Down
NM_013580	Ldhc	-6.45738	1	-6.78555	603.296	5.15141	Down
NM_145746	Odf4	-6.44919	1	-7.8805	79.9899	0.258706	Down
NM_010294	Gk2	-6.43979	1	-6.96296	178.154	1.32083	Down
NM_025721	Spesp1	-6.42618	1	-7.63285	44.6886	0.190617	Down
NM_009619	Adam3	-6.42387	1	-6.7642	266.465	2.30728	Down
NM_177719	Morc2b	-6.41407	1	-7.04733	61.822	0.425715	Down
NM_011598	Fabp9	-6.38112	1	-6.82082	743.153	6.13598	Down
NM_001039049	Cox8c	-6.37682	1	-7.99118	120.791	0.301643	Down
NM_021898	Tsga8	-6.3733	1	-7.98768	53.5049	0.133938	Down
NM_001145885	Ddx4	-6.37299	1	-6.91819	102.423	0.781158	Down
NM_028550	1700074P13Rik	-6.34655	1	-7.02108	118.905	0.82819	Down
NM_183293	Ccdc83	-6.33569	1	-8.0735	28.9931	0.0513159	Down
NM_027022	Cmtm2a	-6.33054	1	-6.85391	281.601	2.25175	Down
NM_177677	Dnajc5g	-6.32321	1	-8.06107	25.728	0.0459315	Down
NM_001033304	5330417C22Rik	-6.31749	1	-7.56914	34.4274	0.151093	Down
NM_144827	Spata20	-6.3164	1	-6.72409	184.744	1.63602	Down
NM_026094	Atp8b3	-6.30496	1	-6.57701	230.14	2.27856	Down
NM_027041	1700003M02Rik	-6.30156	1	-6.82497	174.354	1.42243	Down
NM_028513	Actr2	-6.30083	1	-6.93434	147.275	1.09681	Down
NR_015613	1700029M20Rik	-6.29904	1	-7.0786	51.5817	0.339208	Down
NM_025724	4921510H08Rik	-6.28988	1	-7.16299	75.1773	0.461184	Down
NM_025271	Actf7b	-6.27933	1	-6.93936	136.737	1.01043	Down
NM_001033176	1700039E15Rik	-6.27627	1	-7.79153	38.5484	0.124349	Down
NM_013734	Atp1a4	-6.26749	1	-6.69956	119.188	1.0712	Down
NM_030047	4930458L03Rik	-6.26564	1	-7.8805	16.4693	0.0444114	Down
NM_177759	Ccdc60	-6.25844	1	-6.91852	74.1736	0.556088	Down
NM_029298	1700011E24Rik	-6.25816	1	-7.51003	129.759	0.593314	Down
NM_027960	Dpep3	-6.25748	1	-7.61973	52.902	0.213537	Down
NM_009407	Tnp1	-6.24399	1	-6.51338	2328.66	24.0988	Down
NM_029289	Cypt12	-6.24284	1	-6.97048	315.741	2.25669	Down
NM_027036	Hmgb4	-6.22814	1	-6.9789	222.426	1.57436	Down
NR_033188	4931409K22Rik	-6.22529	1	-7.84034	16.3867	0.0454373	Down
NM_001167746	Dnahc17	-6.2234	1	-6.74697	19.037	0.163939	Down
NM_028157	Fam75d3	-6.21611	1	-7.73164	14.9749	0.0503561	Down
NM_001034902	Gm5878	-6.21138	1	-7.72692	13.7495	0.0463866	Down
NM_028843	lqcf1	-6.21111	1	-7.94954	58.7931	0.113414	Down
NM_010377	Hist1h1t	-6.21015	1	-6.96096	164.757	1.18077	Down
NR_038145	1700008K24Rik	-6.20899	1	-6.89972	249.31	1.88373	Down
NM_001033338	Rimbp3	-6.20245	1	-6.7643	42.0446	0.356009	Down
NM_027582	Akr1cl	-6.20187	1	-7.71745	46.874	0.159182	Down
NM_001166475	4930407I10Rik	-6.20048	1	-6.8607	39.3729	0.307259	Down
NM_011516	Sycp1	-6.19728	1	-6.97714	41.4467	0.292428	Down
NM_028797	Gtsf1	-6.19318	1	-7.23969	173.557	0.994335	Down
NM_019943	Papalb	-6.18488	1	-6.73046	109.624	0.952298	Down
NM_001001177	BC051142	-6.17993	1	-6.82653	99.074	0.793479	Down
NM_019981	Tex101	-6.17209	1	-7.60451	69.5607	0.272452	Down
NM_199019	4933407P14Rik	-6.17097	1	-7.04446	58.1349	0.387187	Down
NM_013564	Insl3	-6.16236	1	-7.03589	219.052	1.46762	Down
NM_199034	4922502D21Rik	-6.15738	1	-6.52707	328.616	3.34658	Down

NM_007827	Daf2	-6.1552	1	-7.1037	93.9591	0.596451	Down
NM_026630	Gtsf1l	-6.14544	1	-7.09397	140.415	0.897387	Down
NM_007593	Cetn1	-6.14252	1	-6.78921	174.531	1.43445	Down
NM_175658	Hist1h2aa	-6.13884	1	-7.87767	90.7795	0.184079	Down
NM_001004025	Ppp3r2	-6.13504	1	-6.71496	74.2924	0.649366	Down
NM_001161773	4930544G11Rik	-6.13235	1	-7.17909	83.2068	0.497167	Down
NM_013694	Tnp2	-6.13154	1	-6.39499	1742.32	19.5794	Down
NM_183199	Usp44	-6.12878	1	-7.5614	24.1536	0.0974759	Down
NM_008579	Meig1	-6.1109	1	-6.48794	680.641	7.11809	Down
NM_026208	1700019N19Rik	-6.10923	1	-7.2776	126.701	0.70002	Down
NM_028654	4930404H21Rik	-6.10763	1	-7.72325	52.1745	0.15692	Down
NM_025585	1700029F12Rik	-6.10477	1	-6.83279	129.5	1.01831	Down
NM_001033434	Gm884	-6.08117	1	-7.38485	19.2661	0.0941315	Down
NM_027304	H1fnt	-6.07968	1	-6.67956	151.527	1.35353	Down
NM_172515	Zbbx	-6.07163	1	-6.67153	82.6343	0.742256	Down
NM_013637	Prm1	-6.06217	1	-6.33826	2089.74	24.4089	Down
NM_023508	Pdcl2	-6.05021	1	-6.59609	208.954	1.99241	Down
NM_054066	Plcz1	-6.02714	1	-6.70249	71.9607	0.625128	Down
NM_027660	Tekt3	-6.02255	1	-7.53899	32.2215	0.123849	Down
NM_029294	Prps1l1	-6.02249	1	-7.06967	66.4495	0.428347	Down
NM_007401	Adam5	-6.02165	1	-6.33656	227.083	2.6494	Down
NM_175200	Als2cr11	-6.0207	1	-6.69607	73.3558	0.640088	Down
NM_027665	Adam30	-6.0205	1	-7.63657	19.0313	0.0607883	Down
NM_019938	Pmfbp1	-6.01988	1	-6.89393	34.2927	0.253529	Down
NM_001166207	Dpy19l2	-6.01817	1	-6.76955	38.239	0.312951	Down
NM_023816	Ankrd36	-6.01663	1	-6.76802	29.2676	0.239783	Down
NM_001167593	Gm4934	-6.01125	1	-6.76266	30.5894	0.251545	Down
NM_009340	Tcp10a	-6.00924	1	-6.62004	101.192	0.940493	Down
NM_177867	Spata21	-5.99861	1	-6.65936	63.6749	0.571357	Down
NM_029599	Sun5	-5.99512	1	-7.73477	27.7565	0.0621567	Down
NM_027669	Sept12	-5.98748	1	-6.86166	44.2345	0.33443	Down
NM_027599	Lpcat2b	-5.98592	1	-6.93509	39.7673	0.283759	Down
NM_017379	Tuba8	-5.98564	1	-7.19398	69.3523	0.401067	Down
NM_011033	Pabpc2	-5.9818	1	-6.48645	99.338	1.02717	Down
NM_001002787	Ccin	-5.97678	1	-6.79647	57.7799	0.459745	Down
NM_028942	Sloco6c1	-5.97586	1	-6.92506	45.1729	0.324579	Down
NM_153397	Adam32	-5.97569	1	-6.43773	122.867	1.32023	Down
NM_172912	Abcc12	-5.97183	1	-7.22488	19.9917	0.111403	Down
NM_009989	Cyct	-5.96971	1	-7.70951	48.3147	0.110109	Down
NM_013932	Ddx25	-5.96277	1	-6.49391	137.93	1.41439	Down
NM_001145660	Rfx8	-5.9609	1	-7.57731	21.57	0.071791	Down
NR_033583	Spn-ps	-5.96005	1	-7.69993	38.68	0.0887404	Down
NM_001127576	Gm1564	-5.95362	1	-7.12264	22.9668	0.14129	Down
NM_025731	Hrasls5	-5.95251	1	-6.77228	110.481	0.893949	Down
NM_026449	Galntl5	-5.95041	1	-7.20356	55.5713	0.314282	Down
NM_009341	Tcp10c	-5.94467	1	-6.54491	88.6265	0.86914	Down
NM_199013	Irgc1	-5.94285	1	-6.43021	145.59	1.56834	Down
NM_010214	Fhl4	-5.94145	1	-6.14749	504.556	6.74889	Down
NM_027661	Hsfy2	-5.93912	1	-7.456	37.7027	0.153509	Down
NM_001167578	Gm9880	-5.93814	1	-6.46934	89.8454	0.937145	Down
NM_009611	Actl7a	-5.92538	1	-6.63434	89.6184	0.811467	Down
NM_027046	Ccdc54	-5.92431	1	-6.51442	143.58	1.44025	Down
NM_080510	Trim69	-5.92184	1	-7.43881	29.7325	0.12251	Down
NM_029430	Ttc23l	-5.91684	1	-7.35049	31.8328	0.148713	Down
NM_001024841	Gm128	-5.91367	1	-6.58936	98.7554	0.927911	Down
NM_183282	Act9	-5.91235	1	-6.50249	134.804	1.36345	Down
NM_027616	4921528l01Rik	-5.91002	1	-7.2145	23.4887	0.129159	Down
NM_175349	Ldhal6b	-5.90552	1	-6.35016	212.841	2.43443	Down
NM_013849	Dusp13	-5.9052	1	-7.11389	87.8822	0.537257	Down
NM_001162928	Pom12l12	-5.90144	1	-6.68229	24.5836	0.212804	Down
NM_181591	Txndc3	-5.88873	1	-6.93649	48.6548	0.343991	Down
NM_026317	Prss37	-5.88674	1	-6.93451	96.6666	0.684375	Down
NM_172430	Sphkap	-5.88355	1	-7.09235	14.2126	0.0881953	Down
NM_175663	Hist1h2ba	-5.88147	1	-6.42012	554.821	5.98258	Down
NM_177279	4732415M23Rik	-5.88095	1	-6.75556	204.37	1.66311	Down
NM_026105	1700093K21Rik	-5.87369	1	-7.08254	91.7415	0.573181	Down
NM_001081312	Tmco2	-5.87042	1	-6.74508	146.171	1.19818	Down
NM_027174	Col22a1	-5.86871	1	-6.91656	16.3428	0.117152	Down
NM_009904	Clgn	-5.8685	1	-6.74317	46.0744	0.378179	Down
NM_009436	Tssk2	-5.86056	1	-6.42323	139.838	1.49996	Down
NM_001164139	Spert	-5.85833	1	-6.38974	133.085	1.46694	Down
NM_027058	1700017D01Rik	-5.85352	1	-7.15828	63.0972	0.360759	Down
NM_133711	Spata4	-5.83963	1	-6.42031	171.035	1.83383	Down
NM_029324	1700018C11Rik	-5.83924	1	-7.2733	86.8305	0.427964	Down
NM_138746	Fam50b	-5.83834	1	-7.35579	37.5229	0.163782	Down
NR_037991	Gm2762	-5.83327	1	-7.13813	31.7626	0.184158	Down

NM_026461	1700129C05Rik	-5.82839	1	-7.08213	76.5512	0.470981	Down
NM_001037749	Slc22a14	-5.82759	1	-6.57963	52.4758	0.489929	Down
NM_001033547	4922505E12Rik	-5.82455	1	-7.03363	43.2401	0.279478	Down
NR_033613	1700001J11Rik	-5.82108	1	-6.38386	76.5267	0.843573	Down
NM_008811	Pdha2	-5.8206	1	-6.69548	43.1729	0.36628	Down
NM_026205	Rnf151	-5.81923	1	-6.60039	92.3373	0.846022	Down
NM_016668	Bhmt	-5.81688	1	-7.12182	35.469	0.207989	Down
NM_027634	4931431F19Rik	-5.81578	1	-7.43304	20.4228	0.0751345	Down
NM_001033669	Fbxw10	-5.81428	1	-7.02342	27.0068	0.175797	Down
NM_175517	4930412F15Rik	-5.81323	1	-6.86134	54.6712	0.407209	Down
NM_175033	BC089491	-5.80799	1	-7.4253	31.9498	0.118174	Down
NM_013821	Hsd3b6	-5.80521	1	-7.32286	26.7633	0.119519	Down
NM_029608	1700029J11Rik	-5.80521	1	-7.32286	74.3105	0.331853	Down
NM_027572	Slc22a16	-5.80496	1	-6.97467	42.257	0.28806	Down
NM_001201358	4921511M17Rik	-5.80345	1	-7.54436	28.5429	0.0729583	Down
NM_030036	Gm15144	-5.80345	1	-7.54436	28.5429	0.0729583	Down
NM_178254	Tcf5	-5.80254	1	-6.4253	70.4508	0.748161	Down
NM_026652	4930547C10Rik	-5.79535	1	-6.9651	39.215	0.269104	Down
NM_019784	Tex21	-5.79463	1	-7.04854	37.3588	0.23527	Down
NR_015490	4930558C23Rik	-5.79264	1	-7.5336	37.9798	0.0978079	Down
NM_009581	Zp3r	-5.79191	1	-7.09699	35.4975	0.211773	Down
NM_027063	1700013G24Rik	-5.79106	1	-6.83928	91.6233	0.692963	Down
NM_010021	Dazl	-5.79105	1	-6.96082	31.909	0.219619	Down
NM_031255	Rsph6a	-5.78987	1	-7.22421	23.8913	0.121834	Down
NM_029472	Gstt4	-5.78816	1	-6.51722	121.872	1.19279	Down
NR_003959	Aldoat2	-5.78574	1	-6.56703	68.0557	0.638142	Down
NM_029288	Gm1973	-5.77806	1	-7.51914	27.793	0.0722971	Down
NM_026338	4921517D21Rik	-5.76863	1	-6.40356	36.7577	0.395543	Down
NM_054103	Stk33	-5.7653	1	-6.35586	69.6347	0.779685	Down
NM_018792	Hils1	-5.76421	1	-6.26939	277.634	3.33702	Down
NM_026248	4930430A15Rik	-5.75659	1	-6.63175	52.8574	0.468711	Down
NM_001126487	Heatr8	-5.74964	1	-7.00379	17.8001	0.115632	Down
NM_011553	Tcp10b	-5.74728	1	-6.45684	67.8286	0.69462	Down
NM_033077	D1Pas1	-5.74648	1	-6.69672	29.2051	0.245859	Down
NM_176980	Ankar	-5.7411	1	-6.49348	23.7593	0.235483	Down
NM_172895	Fam71e2	-5.73831	1	-6.4907	40.3731	0.400918	Down
NM_001004158	Gm5142	-5.7305	1	-7.34831	58.7825	0.229364	Down
NM_080470	Smc1b	-5.72648	1	-6.25122	49.7511	0.604181	Down
NM_028524	Cmtm2b	-5.72278	1	-6.89289	103.532	0.746958	Down
NM_001162428	1700012B07Rik	-5.72099	1	-7.08582	44.014	0.257315	Down
NM_001166066	Heatr7b2	-5.72019	1	-6.29202	32.7543	0.384349	Down
NM_026315	1700011L22Rik	-5.71729	1	-7.02277	70.1205	0.440435	Down
NM_009350	Adad1	-5.71273	1	-7.07762	30.9589	0.182026	Down
NM_026645	lqcf3	-5.71142	1	-6.11099	292.623	3.96706	Down
NM_009182	St8sia3	-5.7068	1	-7.44839	4.1838	0.0114317	Down
NM_026293	Spaca1	-5.70546	1	-7.01101	63.3926	0.401441	Down
NM_029595	Pbp2	-5.70497	1	-6.91467	65.1429	0.457267	Down
NM_172901	4933405O20Rik	-5.70295	1	-7.44457	19.5702	0.0536154	Down
NM_021482	Syngn4	-5.69944	1	-7.0644	62.7526	0.37236	Down
NM_021308	Piwil2	-5.69864	1	-6.36033	26.47	0.292249	Down
NM_001162979	Ccdc81	-5.69644	1	-6.4781	37.4493	0.373494	Down
NM_025737	4931417E11Rik	-5.69134	1	-7.43304	23.9369	0.0661059	Down
NM_026188	1700028P14Rik	-5.68433	1	-7.04938	68.9703	0.413542	Down
NM_018870	Pgam2	-5.6816	1	-6.181	235.464	3.0111	Down
NM_009355	Prss39	-5.67579	1	-6.84615	69.5811	0.518554	Down
NM_030237	Spz1	-5.66572	1	-5.97697	317.427	4.75318	Down
NM_027964	Zswim2	-5.65802	1	-6.91267	35.2183	0.243713	Down
NM_011391	Slc16a7	-5.65187	1	-6.0742	117.605	1.63229	Down
NM_008807	Tulp2	-5.65015	1	-6.36008	63.3176	0.693436	Down
NM_001146021	Lrrc18	-5.65007	1	-6.18937	145.356	1.83932	Down
NM_028855	Spem1	-5.64838	1	-6.21168	162.572	2.01934	Down
NM_173367	Cypt3	-5.64569	1	-7.26408	52.1127	0.215589	Down
NM_029401	Vwa5b1	-5.64392	1	-7.38599	6.52298	0.0186132	Down
NM_177819	Fam135b	-5.64127	1	-7.15994	9.31651	0.0465873	Down
NM_001099321_2	Gm15023	-5.6399	1	-7.382	6.7846	0.0194135	Down
NM_177918_2	AV320801	-5.6399	1	-7.382	6.7846	0.0194135	Down
NM_008232	Hdgfl1	-5.63865	1	-6.51438	44.9125	0.432042	Down
NM_029150	Spata16	-5.63468	1	-6.34467	54.8256	0.606885	Down
NM_025490	1700010M22Rik	-5.63187	1	-6.50763	118.85	1.14866	Down
NM_030080	Creb3l4	-5.63107	1	-6.26647	85.9382	1.017	Down
NM_026594	Rpl39l	-5.62425	1	-6.87908	88.1334	0.624269	Down
NM_019964	Dnajb8	-5.62079	1	-6.26906	129.309	1.52438	Down
NM_009651	Akap4	-5.61881	1	-5.853	296.905	4.86505	Down
NM_028540	1700057K13Rik	-5.61755	1	-6.78822	92.7428	0.719509	Down
NM_027073	1700025E21Rik	-5.61085	1	-6.39288	70.8892	0.750055	Down
NM_025601	1700029H14Rik	-5.6106	1	-6.17401	123.799	1.57842	Down

NM_198623	Ubqln3	-5.60681	1	-6.11243	83.6668	1.12126	Down
NM_008299	Dnajb3	-5.6053	1	-6.13742	177.419	2.3295	Down
NM_001162933	Rpl10l	-5.60135	1	-6.81162	74.4618	0.561415	Down
NR_033529	Gm7444	-5.601	1	-6.11288	49.0222	0.656291	Down
NR_003639	1700013N18Rik	-5.59613	1	-6.16835	103.986	1.32946	Down
NM_027630	Ccdc105	-5.59491	1	-7.33736	14.1576	0.0417875	Down
NM_001161855	4933416C03Rik	-5.58933	1	-6.46532	38.4022	0.382206	Down
NR_003596	Gm6455	-5.58839	1	-6.95403	52.2697	0.334846	Down
NM_029467	Tcam1	-5.58836	1	-6.40971	30.0485	0.312658	Down
NM_026286	Ftmt	-5.58238	1	-7.32494	16.505	0.0491382	Down
NM_028854	Tbc1d21	-5.57824	1	-6.88453	56.7963	0.392658	Down
NM_027076	1700019M22Rik	-5.57707	1	-6.33012	160.617	1.78289	Down
NM_001164485	Fam170b	-5.57571	1	-6.94143	32.8088	0.212023	Down
NM_013687	Tcp11	-5.57238	1	-5.87084	260.224	4.19746	Down
NM_172521	BC125332	-5.56974	1	-8.31241	6.40704	0	Down
NM_011781	Adam25	-5.56911	1	-7.08827	15.635	0.082172	Down
NM_001017441	Tbata	-5.55702	1	-8.29977	23.7669	0	Down
NM_027597	Fam71d	-5.55612	1	-6.21834	67.575	0.823291	Down
NM_001048005	1110017D15Rik	-5.55455	1	-6.2474	97.6577	1.16	Down
NM_001079875	Spam1	-5.55248	1	-7.17155	15.4836	0.0683073	Down
NM_030052	Cox7b2	-5.54973	1	-6.80501	124.112	0.925482	Down
NM_001123367	Gm3448	-5.54758	1	-5.75651	1274.31	22.3492	Down
NM_001123368	Gm3417	-5.54758	1	-5.75651	1274.31	22.3492	Down
NM_009435	Tssk1	-5.54713	1	-6.1486	95.8218	1.23692	Down
NM_029661	1700027D21Rik	-5.54423	1	-7.06356	30.2649	0.161813	Down
NM_001025380	Adam39	-5.5291	1	-7.04854	16.3312	0.0882314	Down
NM_030219	Trim42	-5.52684	1	-7.26985	9.42255	0.0291478	Down
NM_198224	Ms4a13	-5.52385	1	-6.8899	38.9774	0.261058	Down
NM_023630	Gtf2a1l	-5.52358	1	-6.69479	48.2125	0.399085	Down
NM_027050	1700008A04Rik	-5.52109	1	-7.14039	52.5572	0.236934	Down
NM_183307	Ccdc63	-5.52038	1	-6.34206	37.487	0.048797	Down
NM_027303	Ankrd60	-5.52032	1	-6.82698	56.2124	0.404456	Down
NM_198624	Ubqlnl	-5.52003	1	-6.1114	61.2315	0.812256	Down
NM_029671	1700034O15Rik	-5.5188	1	-6.39516	111.264	1.16261	Down
NM_001163271	Fscb	-5.51744	1	-5.98535	60.2729	0.885811	Down
NM_010589	Jak3	-5.50873	1	-6.12111	33.3406	0.437972	Down
NM_001013783	Fam71b	-5.50866	1	-6.7642	29.9823	0.229994	Down
NM_007605	Capza3	-5.50834	1	-6.23851	76.6512	0.910187	Down
NM_029299	Spata19	-5.50747	1	-6.9436	66.5888	0.412592	Down
NM_001081038	Btbd16	-5.50093	1	-7.02057	11.3855	0.0627178	Down
NM_008933	Prm2	-5.49805	1	-5.65529	2744.9	51.7317	Down
NM_011560	Tcte3	-5.49745	1	-5.7569	809.354	14.1585	Down
NR_003617	1700018B24Rik	-5.49652	1	-6.93272	13.6491	0.0852118	Down
NM_001009544	4921501E09Rik	-5.49575	1	-7.01543	9.94851	0.0549982	Down
NM_025749	Zfp474	-5.49142	1	-6.85769	27.155	0.185987	Down
NM_027070	1700019A02Rik	-5.49142	1	-6.85769	83.5871	0.572496	Down
NM_001080553	Gsg1	-5.4914	1	-5.76005	433.921	7.57068	Down
NM_173412	Cypt4	-5.49113	1	-6.11496	194.686	2.56396	Down
NM_011569	Tekt1	-5.48926	1	-6.00797	124.218	1.78712	Down
NM_028525	Prss52	-5.48709	1	-7.23044	22.0728	0.0701769	Down
NM_183190	Ms4a5	-5.48252	1	-6.6935	74.2654	0.607754	Down
NM_207258	Fam71f1	-5.47943	1	-6.15667	67.7607	0.859501	Down
NM_001081063	Prss55	-5.47883	1	-6.91516	44.7683	0.28292	Down
NM_183320	Gm5128	-5.4781	1	-7.22154	5.85014	0.0187151	Down
NM_001033461	Lrrc43	-5.4736	1	-8.21706	10.9396	0	Down
NM_010086	Adam24	-5.47096	1	-6.682	24.259	0.200114	Down
NM_001177524	Gml	-5.46908	1	-7.21257	24.946	0.0803031	Down
NM_009839	Cct6b	-5.46422	1	-6.07676	71.818	0.972887	Down
NM_133689	4930579J09Rik	-5.46142	1	-6.633	51.2898	0.443154	Down
NM_030141	1700061G19Rik	-5.45628	1	-6.97626	15.4432	0.0877283	Down
NM_001081254	Fam186b	-5.4547	1	-6.76178	17.9535	0.135157	Down
NM_145574	Ccdc136	-5.43252	1	-5.71766	146.633	2.63227	Down
NM_001195601	1700015G11Rik	-5.43122	1	-6.64252	174.592	1.48023	Down
NM_027074	1700025F22Rik	-5.42768	1	-8.17155	34.3495	0	Down
NM_001009548	4930529F22Rik	-5.42614	1	-6.73343	21.6697	0.166375	Down
NM_175370	Als2cr12	-5.41599	1	-6.29292	48.732	0.546632	Down
NM_174885	Adam6a	-5.4132	1	-6.62461	26.6874	0.22909	Down
NM_183287	2610318N02Rik	-5.41163	1	-5.97573	112.412	1.6445	Down
NM_001039494	1700019N12Rik	-5.40131	1	-5.99312	165.978	2.38997	Down
NM_007473	Aqp7	-5.39648	1	-6.608	26.2039	0.227547	Down
NM_001172091	1700001C19Rik	-5.396	1	-6.21834	58.6149	0.69648	Down
NM_001083890	4932441B19Rik	-5.39513	1	-7.01543	8.61396	0.0423546	Down
NM_027949	Phf7	-5.38628	1	-5.59462	455.498	8.93769	Down
NM_030104	1700090G07Rik	-5.38594	1	-6.6935	72.5659	0.5728	Down
NM_026459	Ccdc70	-5.3842	1	-6.5958	62.2211	0.544903	Down
NM_001109759	Fam71a	-5.38002	1	-6.25717	33.5362	0.385627	Down

NM_001033296	Sel112	-5.37984	1	-6.81688	19.1271	0.129411	Down
NM_026256	Poteg	-5.37771	1	-6.99815	20.0367	0.0997097	Down
NM_177597	March11	-5.37506	1	-6.81214	27.3456	0.185626	Down
NM_198621	Cct811	-5.37396	1	-6.89457	18.2673	0.109828	Down
NM_027970	1700023E05Rik	-5.37114	1	-6.89177	20.7984	0.12529	Down
NM_027940	1700001F09Rik	-5.36541	1	-6.67311	60.932	0.487821	Down
NM_029141	4930511M11Rik	-5.36501	1	-6.5372	41.6498	0.384594	Down
NM_025741	Trpd52I3	-5.35978	1	-6.8805	15.9004	0.0965365	Down
NM_175176	4922501L14Rik	-5.35895	1	-5.97191	58.8695	0.857632	Down
NM_001002894	Nlrp14	-5.35775	1	-6.56953	19.621	0.174993	Down
NM_177785	BC049635	-5.35616	1	-5.91209	84.9698	1.30056	Down
NM_001009545	Adam6b	-5.35219	1	-6.65999	23.4765	0.189672	Down
NM_001101463	Gm4871	-5.34965	1	-6.71692	42.0997	0.317941	Down
NM_029308	1700010B08Rik	-5.34608	1	-6.78339	46.2805	0.320495	Down
NM_177866	Catsper4	-5.34363	1	-6.78096	23.9708	0.166279	Down
NM_198106	Slc9a10	-5.33874	1	-6.77611	10.7555	0.0748602	Down
NM_001040669	Gm5169	-5.33618	1	-7.0809	22.8655	0.080664	Down
NM_007391	Acrv1	-5.32986	1	-6.58658	52.8903	0.458938	Down
NM_029416	Klf17	-5.32621	1	-7.07102	5.62196	0.0199697	Down
NM_001100609_2	Gm10487	-5.32413	1	-6.94504	30.6587	0.158304	Down
NM_001102678_3	Gm10096	-5.32413	1	-6.94504	30.6587	0.158304	Down
NM_009529_2	Gm4836	-5.32413	1	-6.94504	30.6587	0.158304	Down
NM_027033	Lrrc67	-5.32049	1	-6.94143	35.3798	0.18314	Down
NM_008588	Mesp1	-5.31615	1	-7.06107	18.6366	0.0666583	Down
NM_025758	Asb17	-5.30752	1	-6.4801	64.1734	0.616526	Down
NM_183271	Wfdc15a	-5.30604	1	-8.05105	42.7729	0	Down
NR_015460	1700003H04Rik	-5.30604	1	-7.05105	26.3305	0.0948362	Down
NM_009028	Rasl2-9-ps	-5.30593	1	-6.61407	51.1818	0.426904	Down
NM_025738	Cypt1	-5.30171	1	-6.51388	92.061	0.853385	Down
NM_009420	Crisp2	-5.28634	1	-5.46252	794.518	17.1047	Down
NM_001195271	Gm362	-5.28043	1	-7.0257	8.73104	0.0320067	Down
NM_001081331	D7Erd443e	-5.27766	1	-6.64548	18.6518	0.148023	Down
NM_027952	1700008I05Rik	-5.27006	1	-7.01543	10.9484	0.0404228	Down
NM_001099325_2	Gm10488	-5.2685	1	-6.8899	30.6202	0.164281	Down
NM_030068	Iqch	-5.26469	1	-5.79798	42.2619	0.702164	Down
NM_001166494	Zbp2	-5.26411	1	-6.08722	43.7547	0.569422	Down
NM_001097977	Gm14151	-5.26268	1	-5.76943	58.4774	0.994112	Down
NM_028920	Hyal6	-5.25952	1	-6.21257	19.422	0.228766	Down
NM_001081096	Fam154a	-5.25941	1	-6.78096	18.0404	0.117369	Down
NM_177801	4933400C05Rik	-5.25941	1	-6.78096	29.7699	0.193681	Down
NM_207527	4930504O13Rik	-5.25711	1	-6.87861	44.403	0.240104	Down
NM_021921	Mapk8ip2	-5.25437	1	-7.99989	5.43522	0	Down
NM_007628	Ccna1	-5.25358	1	-6.46609	38.2733	0.366748	Down
NM_146186	Wdr62	-5.24855	1	-5.76811	31.1738	0.529655	Down
NM_029799	Arrdc5	-5.24828	1	-6.61633	41.9742	0.339919	Down
NM_028448	Cenpv	-5.24428	1	-5.86914	102.248	1.5969	Down
NM_177631	BC048502	-5.24242	1	-6.68056	53.4023	0.397184	Down
NM_001199632	Fbxl13	-5.2423	1	-5.87927	38.7949	0.600533	Down
NM_027034	Izumo3	-5.24141	1	-6.60952	34.9292	0.284208	Down
NM_001164606	Ccdc116	-5.23904	1	-5.91736	23.4342	0.350921	Down
NM_009356	Prss40	-5.23849	1	-7.98418	14.6355	0	Down
NM_001039657	Mtl5	-5.23682	1	-6.60496	20.1356	0.164357	Down
NM_028156	1700001P01Rik	-5.23316	1	-7.9789	30.379	0	Down
NM_001004174	AA467197	-5.22743	1	-6.53617	76.4444	0.673304	Down
NM_027089	4930579C15Rik	-5.22672	1	-6.4842	43.927	0.409232	Down
NR_029436	1700028J19Rik	-5.22588	1	-5.83941	90.8885	1.45154	Down
NM_013638	Prm3	-5.2183	1	-6.58658	106.68	0.881953	Down
NM_028825	1700011F03Rik	-5.21731	1	-6.47486	66.4112	0.622722	Down
NM_001113179	Bub1	-5.21591	1	-6.0941	15.4266	0.198638	Down
NM_053149	Hemgn	-5.21542	1	-6.47298	23.1706	0.217548	Down
NM_001163189	Enthd1	-5.21166	1	-7.95761	8.85199	0	Down
NM_028957	Hyal5	-5.2108	1	-6.51966	23.3657	0.20809	Down
NM_025750	4933417A18Rik	-5.21063	1	-6.83256	24.6328	0.137531	Down
NM_025725	Ccdc96	-5.21031	1	-5.8603	26.8738	0.42065	Down
NM_172808	Antxrl	-5.20623	1	-6.95223	8.75259	0.0337681	Down
NM_153527	Dnajb13	-5.20427	1	-5.88276	77.8024	1.19338	Down
NM_029685	1700113H08Rik	-5.20274	1	-6.82474	19.0449	0.106911	Down
NM_001013750	Gm597	-5.20188	1	-6.57031	14.8962	0.124551	Down
NM_026627	H2afb1	-5.20103	1	-6.15449	122.66	1.50419	Down
NM_001039942	Cypt9	-5.19997	1	-5.89443	159.485	2.41992	Down
NM_001039944	Cypt10	-5.19997	1	-5.89443	159.485	2.41992	Down
NM_001079873	Brdt	-5.19818	1	-6.50715	30.1944	0.271251	Down
NM_026132	Txndc8	-5.19447	1	-6.4522	85.3682	0.813166	Down
NM_029680	1700110M21Rik	-5.19396	1	-6.50296	25.6763	0.231335	Down
NM_001099347_3	Gm10230	-5.19053	1	-6.71269	35.3538	0.241179	Down
NM_001099919_3	Gm10147	-5.19053	1	-6.71269	36.5404	0.249274	Down

NM_001100610_3	Gm14632	-5.19053	1	-6.71269	35.3538	0.241179	Down
NM_001109970_3	Gm10486	-5.19053	1	-6.71269	34.1676	0.233088	Down
NM_001110250_3	Gm14819	-5.19053	1	-6.71269	35.3538	0.241179	Down
NM_015777	Igbp1b	-5.18981	1	-7.93599	13.6087	0	Down
NM_001033255	Gm136	-5.18357	1	-6.62221	28.4548	0.220387	Down
NM_001109969_3	Gm10058	-5.18088	1	-6.70313	35.2776	0.242264	Down
NM_027640	Prss54	-5.18088	1	-6.70313	27.2238	0.186956	Down
NM_001098269	Gm10375	-5.18084	1	-6.6195	44.2667	0.343497	Down
NM_027951	Tekt4	-5.18057	1	-6.23246	40.6694	0.468609	Down
NM_001033162	1700012A16Rik	-5.17996	1	-6.0036	33.0914	0.456373	Down
NM_175511	Fam78a	-5.17932	1	-5.91112	19.2173	0.286376	Down
NM_198673	Odf31	-5.17879	1	-6.80103	23.2955	0.132946	Down
NM_172953	Serpina5	-5.1781	1	-6.61679	17.0848	0.132823	Down
NM_029696	Mdh1b	-5.17763	1	-6.05607	38.0847	0.503502	Down
NM_026359	4930578I06Rik	-5.17733	1	-6.39041	55.0527	0.555598	Down
NM_019569	Fscn3	-5.17607	1	-6.05453	36.3649	0.48128	Down
NM_172447	A330021E22Rik	-5.17205	1	-5.62293	56.098	1.06193	Down
NM_177738	BC048671	-5.17073	1	-6.79304	21.5688	0.123778	Down
NM_181859	Oxct2b	-5.16353	1	-5.94792	39.7961	0.573345	Down
NM_145852	Ropn1l	-5.16334	1	-5.51763	311.244	6.39019	Down
NM_021440	BC100451	-5.16022	1	-5.56126	113.383	2.25027	Down
NM_009948	Cpt1b	-5.15819	1	-5.76124	36.7249	0.620171	Down
NM_033571	Fkbp6	-5.15077	1	-7.89737	12.8487	0	Down
NM_172526	Ttc24	-5.14824	1	-6.67078	13.6228	0.0956788	Down
NM_183254	1700025K23Rik	-5.14575	1	-5.45813	485.846	10.4244	Down
NM_001033246	Ccdc110	-5.14497	1	-6.09884	23.5937	0.300724	Down
NM_001099277	Zfp541	-5.14171	1	-6.0956	13.5535	0.173142	Down
NM_001145879	Atp6ap1l	-5.14161	1	-6.66422	25.9571	0.18314	Down
NM_173029	Adcy10	-5.14124	1	-5.72445	21.4203	0.372117	Down
NM_031190	Pgk2	-5.14025	1	-5.41601	281.092	6.22309	Down
NM_023048	Asb4	-5.13942	1	-6.88615	5.40995	0.0218542	Down
NM_022033	Oxct2a	-5.13829	1	-6.01701	36.0344	0.489484	Down
NM_028946	Nhedc1	-5.13764	1	-6.35103	24.6486	0.255825	Down
NM_001164258	Xrra1	-5.13692	1	-6.31073	22.7277	0.245579	Down
NM_001162846	Phyhipl	-5.13399	1	-5.71723	40.7715	0.711846	Down
NM_025727	Klhl10	-5.13378	1	-5.60787	80.3963	1.5343	Down
NM_030744	Ropn1	-5.1335	1	-6.01225	74.8951	1.02072	Down
NM_198251	Rnf133	-5.13059	1	-5.78096	69.6929	1.15261	Down
NM_153518	Ccdc65	-5.12685	1	-5.91147	36.2388	0.535468	Down
NM_027948	1700003E16Rik	-5.1241	1	-5.65092	64.6614	1.19068	Down
NM_199023	4930526D03Rik	-5.12235	1	-6.43194	63.5607	0.6016	Down
NM_027031	Efcab9	-5.11563	1	-6.37399	65.1497	0.655198	Down
NM_177711	4932411G14Rik	-5.11483	1	-6.63769	7.83067	0.0562772	Down
NM_134471	Kif2c	-5.10988	1	-5.58406	56.2223	1.09082	Down
NM_153093	AF366264	-5.10894	1	-6.41864	15.7717	0.150663	Down
NM_026789	Wdr65	-5.10864	1	-5.64991	33.3039	0.612616	Down
NR_001586	Speer1-ps1	-5.10688	1	-6.47611	36.3259	0.324259	Down
NM_001104946	Gm2012	-5.10481	1	-6.85193	19.4765	0.0805735	Down
NM_001024706	Gm5458	-5.10448	1	-6.72745	23.8094	0.14301	Down
NM_173436	Cypt2-ps	-5.10448	1	-6.72745	34.3952	0.206593	Down
NM_027588	Nt5c1b	-5.10322	1	-5.56777	88.6659	1.74156	Down
NM_028034	Tdrd12	-5.10125	1	-6.62424	18.3154	0.132864	Down
NM_027283	1700026L06Rik	-5.09875	1	-5.67292	166.183	2.99575	Down
NM_001039114	Acsbg2	-5.09452	1	-5.72009	36.5567	0.633126	Down
NM_025496	Cdrt4	-5.0922	1	-5.91642	88.1042	1.29085	Down
NM_027941	Lrrc34	-5.09169	1	-5.58728	78.7833	1.52166	Down
NM_025506	Riiad1	-5.08761	1	-6.52711	55.2661	0.457267	Down
NM_026134	Cylc1	-5.08753	1	-6.61066	14.9824	0.109716	Down
NM_144547	Amhr2	-5.08753	1	-6.61066	15.1055	0.110618	Down
NM_001033191	Naa11	-5.0872	1	-6.83451	5.09645	0.021341	Down
NM_177901	4933402J07Rik	-5.0849	1	-6.13752	57.0215	0.701769	Down
NM_001163385	4930579F01Rik	-5.08403	1	-6.45347	23.082	0.209303	Down
NM_027055	Spaca4	-5.08064	1	-6.60382	41.2268	0.303342	Down
NM_001033408	Rbm44	-5.07813	1	-6.0325	15.3647	0.205064	Down
NM_001199090	4930522H14Rik	-5.07452	1	-6.69779	26.5497	0.162791	Down
NM_177213	Abca15	-5.07018	1	-6.6935	4.37622	0.0269132	Down
NM_175667	Ankrd5	-5.06163	1	-5.58195	47.7331	0.922763	Down
NM_025728	Spag16	-5.06148	1	-6.68489	18.0324	0.111563	Down
NM_029379	Tmem225	-5.06148	1	-6.68489	23.4185	0.144886	Down
NM_153519	Txndc2	-5.05849	1	-5.38285	180.346	4.07384	Down
NM_139151	Spag4	-5.05516	1	-6.49495	22.5968	0.191188	Down
NM_011483	Znrf4	-5.05484	1	-6.26889	42.2894	0.464666	Down
NR_037972	BB014433	-5.05464	1	-5.60382	66.6439	1.2645	Down
NM_015773	Spag6	-5.05446	1	-5.49348	71.6147	1.48473	Down
NM_011651	Tsks	-5.0537	1	-5.83879	35.4384	0.550725	Down
NM_029307	Hspb9	-5.05175	1	-5.4869	246.805	5.14205	Down

NM_173861	Csnka2ip	-5.05038	1	-6.42012	29.2142	0.271114	Down
NR_015568	4933406F09Rik	-5.04977	1	-6.10267	44.0365	0.555228	Down
NM_027306	Zdhhc25	-5.04524	1	-6.79304	13.4219	0.0578493	Down
NM_029049	Ptchd3	-5.04514	1	-6.41492	11.9098	0.110925	Down
NM_001163517	Pex5l	-5.03926	1	-6.25344	23.6561	0.26273	Down
NM_175939	Adam29	-5.03713	1	-6.47711	12.2255	0.104728	Down
NM_021318	Fhl5	-5.03583	1	-5.61031	96.6241	1.81914	Down
NM_001162864	Ttbk1	-5.03548	1	-6.08849	8.10197	0.103163	Down
NM_001101486	Fam71f2	-5.03511	1	-5.64956	80.4195	1.46512	Down
NM_001033315	Hipk4	-5.03458	1	-6.40447	15.8498	0.148697	Down
NM_153778	Atoh8	-5.03288	1	-6.34323	18.1782	0.182985	Down
NM_028852	Spatc1	-5.03163	1	-6.20627	34.6511	0.402566	Down
NM_001142750	Tgif2lx2	-5.02688	1	-6.77489	15.9375	0.0695649	Down
NM_153109	Tgif2lx1	-5.02688	1	-6.77489	16.0935	0.0702456	Down
NM_024271	1700016D06Rik	-5.02058	1	-6.54436	22.2377	0.170525	Down
NM_011444	Sox5	-5.01556	1	-6.22995	17.4412	0.19689	Down
NM_001162901	Tmem217	-5.01451	1	-6.76266	17.7455	0.0781186	Down
NM_172851	Cntnap5b	-5.00971	1	-6.5336	5.44476	0.042065	Down
NM_001114754	Gm6121	-5.00828	1	-6.75651	18.2045	0.0804832	Down
NM_177873	Hfm1	-5.00462	1	-6.05789	11.0593	0.143841	Down
NM_175214	Kif27	-5.0043	1	-5.38911	48.8569	1.09408	Down
NM_018790	Arc	-5.00287	1	-5.64103	28.2921	0.516651	Down
NM_028927	Tktl2	-5.00177	1	-6.31241	20.5422	0.211253	Down
NM_027064	1700024P04Rik	-5.00044	1	-5.8253	125.623	1.96068	Down
NM_001004148	Slc13a5	-4.99877	1	-6.52277	8.46378	0.0658834	Down
NM_144953	1700019D03Rik	-4.99848	1	-5.54792	135.291	2.66849	Down
NM_008293	Hsd3b1	-4.99432	1	-6.36458	20.095	0.19382	Down
NM_173023	Catsperb	-4.99419	1	-6.43458	8.7585	0.0772777	Down
NM_201374	Ccdc155	-4.98229	1	-6.29311	18.7004	0.194908	Down
NM_028526	Pebp4	-4.98069	1	-6.60496	31.228	0.202422	Down
NM_028384	Ccdc13	-4.9801	1	-5.71307	25.4485	0.435097	Down
NM_008085	Gapdhs	-4.97958	1	-5.33859	185.319	4.30637	Down
NM_011987	Pla2g10	-4.97675	1	-6.72535	15.5479	0.0702456	Down
NM_027631	4931407G18Rik	-4.97266	1	-5.27372	227.087	5.54091	Down
NM_001177502	1700013D24Rik	-4.97142	1	-6.5958	40.85	0.26888	Down
NM_028509	1700034J05Rik	-4.97138	1	-5.52096	54.4455	1.09416	Down
NM_001013609	Tex24	-4.97035	1	-6.71904	8.9532	0.0406287	Down
NM_001168602	Smok3a	-4.97035	1	-7.71904	5.81201	0	Down
NM_026262	4930524B15Rik	-4.97035	1	-6.71904	8.0757	0.0366467	Down
NM_001163609	Psma8	-4.96998	1	-6.28091	24.2052	0.254428	Down
NM_025746	4933415F23Rik	-4.96796	1	-5.35824	116.403	2.66191	Down
NM_029453	Wdr64	-4.96746	1	-6.02104	14.0993	0.188131	Down
NM_028562	1700080E11Rik	-4.96254	1	-6.27355	46.8087	0.494542	Down
NM_027584	Slco6d1	-4.96211	1	-6.58658	9.31035	0.0616761	Down
NM_175384	Cdca2	-4.9589	1	-5.50086	31.7698	0.648043	Down
NM_023279	Tubb3	-4.95749	1	-7.70632	9.10094	0	Down
NM_001162865	Cylc2	-4.95314	1	-6.39394	24.3952	0.221406	Down
NM_030097	1700034E13Rik	-4.95314	1	-6.39394	66.3325	0.602021	Down
NM_001045527	Hsf5	-4.95211	1	-5.50177	26.2815	0.535238	Down
NM_027056	1700012P22Rik	-4.95101	1	-7.69993	16.0609	0	Down
NM_001163537	Dnajc5b	-4.94535	1	-6.12072	54.8212	0.675856	Down
NM_173433	Kdm4d	-4.94341	1	-5.69993	23.5364	0.404532	Down
NM_175378	Clip4	-4.93821	1	-5.72409	28.6185	0.481588	Down
NM_001045543	Gm11435	-4.93796	1	-6.68705	8.25164	0.0382885	Down
NM_001039941	Cypt8	-4.93685	1	-6.19676	74.8904	0.851757	Down
NM_029597	1700018B08Rik	-4.93366	1	-6.14876	44.526	0.531785	Down
NM_008978	Ptpn20	-4.9298	1	-6.10531	16.7804	0.2091	Down
NM_027019	Odf3	-4.92359	1	-6.44839	28.4353	0.233088	Down
NM_027602	Nsun7	-4.91686	1	-5.74235	22.1204	0.365706	Down
NM_029300	lqcf5	-4.91418	1	-6.35538	56.6255	0.527875	Down
NM_027559	Wdr96	-4.91361	1	-5.29873	34.4304	0.820882	Down
NM_001039943	Cypt7	-4.9114	1	-6.17155	75.5108	0.873977	Down
NM_001033775	4933422H20Rik	-4.91013	1	-6.08582	26.4775	0.33443	Down
NM_027600	4921504E06Rik	-4.90973	1	-6.5348	10.4331	0.0716477	Down
NM_001100394	4930505A04Rik	-4.90673	1	-6.16692	46.7884	0.543283	Down
NM_183096	Ttc29	-4.90616	1	-6.08189	20.8225	0.263722	Down
NM_029310	Fabp12	-4.90487	1	-6.53	8.29546	0.0571584	Down
NM_183182	BC055111	-4.90487	1	-6.53	10.5778	0.0728842	Down
NM_172864	Wdr63	-4.90085	1	-5.58103	23.4043	0.442579	Down
NM_026278	Lrp2bp	-4.90026	1	-6.4253	7.56026	0.0629745	Down
NM_001033043	Rnf17	-4.89881	1	-5.72445	10.8324	0.181326	Down
NM_177203	A730037C10Rik	-4.8981	1	-6.6477	6.63742	0.0316539	Down
NM_027966	1700019O17Rik	-4.89497	1	-6.15527	24.9453	0.292003	Down
NM_025733	4921530L21Rik	-4.89096	1	-6.3324	26.2253	0.248412	Down
NM_172497	Efhb	-4.88814	1	-5.94241	19.1453	0.269789	Down
NM_011741	Zan	-4.88404	1	-6.25538	2.0932	0.0217799	Down

NR_033653	Kif4b	-4.88051	1	-6.40578	6.95979	0.0587648	Down
NM_199150	BC049730	-4.88034	1	-6.50575	17.4827	0.12251	Down
NR_038059_2	1700110101Rik	-4.87547	1	-6.18731	22.5622	0.253082	Down
NM_008429	Kcnj9	-4.87223	1	-6.2437	10.4646	0.109772	Down
NM_183104	4931429L15Rik	-4.87019	1	-6.18208	18.7832	0.211461	Down
NM_177570	Sfnl1	-4.86964	1	-5.44496	54.0298	1.14083	Down
NM_001085499	Gm595	-4.86854	1	-6.39394	11.922	0.101495	Down
NM_025752	4933411K16Rik	-4.86811	1	-5.11985	316.28	8.60877	Down
NR_003953	1700022A21Rik	-4.86762	1	-5.6935	37.6862	0.644532	Down
NR_033566	Al507597	-4.86713	1	-5.74795	60.9007	0.997097	Down
NM_001039495	Ccdc108	-4.867	1	-5.30288	27.5822	0.652873	Down
NM_027967	1700026J04Rik	-4.86628	1	-5.35181	53.9793	1.22899	Down
NM_173069	Speer2	-4.86542	1	-6.49101	18.1401	0.128427	Down
NM_026090	lqc4	-4.86539	1	-5.54578	96.8224	1.87624	Down
NM_001081095	1700009N14Rik	-4.86366	1	-5.56006	53.5122	1.02396	Down
NM_026108	Hdhd1a	-4.86332	1	-6.23487	32.5768	0.343826	Down
NM_001205049	Acr	-4.86034	1	-6.23192	22.6875	0.239943	Down
NM_178387	Spata18	-4.85796	1	-5.48482	41.5512	0.8472	Down
NM_198635	Gm5134	-4.85712	1	-7.60724	5.16062	0	Down
NM_001081046	Efcab3	-4.85575	1	-6.07157	26.1349	0.329316	Down
NM_172535	lqub	-4.85467	1	-5.3513	33.7107	0.766872	Down
NM_010084	Adam18	-4.85026	1	-5.50219	31.8208	0.638547	Down
NM_029381	Tex22	-4.84672	1	-5.80302	39.8245	0.623284	Down
NM_172879	4932412H11Rik	-4.84429	1	-6.36996	8.43117	0.072983	Down
NM_028557	Mbd3l1	-4.8402	1	-6.36593	29.9646	0.260112	Down
NR_003644	1700049L16Rik	-4.8401	1	-6.05607	55.9446	0.712565	Down
NM_025503	1700029P11Rik	-4.83803	1	-6.15025	36.548	0.42065	Down
NM_001163550	1700016H13Rik	-4.83743	1	-5.45296	104.849	2.18931	Down
NM_001163639	Ttc18	-4.83673	1	-5.28894	40.6657	0.970421	Down
NM_007697	Chl1	-4.83659	1	-5.20953	26.6328	0.676137	Down
NM_011487	Stat4	-4.83494	1	-5.53152	22.2101	0.433491	Down
NM_026104	Tmco5	-4.83334	1	-6.04938	37.8115	0.483848	Down
NM_001168334	Gm2799	-4.83296	1	-6.27502	14.947	0.147339	Down
NM_027059	1700023A16Rik	-4.82998	1	-6.456	15.6095	0.113235	Down
NM_027564	4921507P07Rik	-4.82933	1	-5.22572	78.5613	1.96856	Down
NM_001033471	Cpxcr1	-4.82914	1	-6.57963	8.99545	0.0449818	Down
NM_026261	Ubl4b	-4.8287	1	-5.379	72.9345	1.61738	Down
NM_133241	Mlc1	-4.82709	1	-6.19903	14.2438	0.154124	Down
NR_038002	1700027A15Rik	-4.82513	1	-5.44073	196.682	4.14179	Down
NM_028958	Taf7l	-4.82486	1	-6.45093	10.1928	0.0742026	Down
NM_001177510	4933402N22Rik	-4.81833	1	-5.77489	44.6588	0.712726	Down
NM_026458	Abca14	-4.80487	1	-6.06605	7.49484	0.0933389	Down
NM_025851	1700010I14Rik	-4.80424	1	-5.21587	89.5098	2.25541	Down
NM_011147	Ppef1	-4.80413	1	-6.43047	7.83414	0.0578493	Down
NM_207210	Dyrk4	-4.80413	1	-6.43047	9.3798	0.0692629	Down
NM_001177662	Odf2	-4.80108	1	-5.02152	229.972	6.71057	Down
NM_001081376	Chd5	-4.79408	1	-5.5283	6.23019	0.12109	Down
NM_001008547	1700001J03Rik	-4.7915	1	-5.84667	61.2725	0.922763	Down
NM_025753	4933425O20Rik	-4.78606	1	-6.31241	20.9874	0.189089	Down
NM_029121	Atp6v1e2	-4.7828	1	-6.0956	35.852	0.428603	Down
NR_003648	Gm5334	-4.78181	1	-6.30821	15.3378	0.138593	Down
NM_023543	Chn2	-4.78143	1	-5.49594	23.0646	0.460025	Down
NM_029911	Kcnk10	-4.77882	1	-7.53	5.47528	0	Down
NM_010085	Adam26a	-4.77733	1	-6.14981	12.8698	0.144101	Down
NM_016875	Ybx2	-4.77675	1	-5.1624	119.111	3.12135	Down
NM_030025	Ccdc150	-4.77339	1	-5.99002	11.3134	0.150861	Down
NM_025488	1700001K19Rik	-4.77184	1	-5.39921	79.9935	1.73081	Down
NM_027072	Plac8l1	-4.77148	1	-6.52277	18.0855	0.0940904	Down
NM_028514	Actrt1	-4.77148	1	-7.52277	10.3056	0	Down
NM_080442	Tssk3	-4.76973	1	-5.38567	76.1635	1.66633	Down
NM_019457	Lrrc6	-4.76428	1	-5.44533	31.5023	0.654524	Down
NM_172799	Tll6	-4.76395	1	-5.98066	13.3473	0.179142	Down
NM_172818	Tll8	-4.76151	1	-6.02314	13.1611	0.168863	Down
NM_026351	Ttc39d	-4.76066	1	-5.28922	50.9864	1.20657	Down
NM_029019	Stard6	-4.75864	1	-5.32577	64.6723	1.48498	Down
NM_026357	Ribc2	-4.7567	1	-6.5082	8.26865	0.043457	Down
NM_207228	Tsga10	-4.75421	1	-5.15091	51.2038	1.35136	Down
NR_026888	4930488L21Rik	-4.75111	1	-6.01285	20.8854	0.269891	Down
NM_016901	Oaz3	-4.75038	1	-4.95479	537.298	16.431	Down
NM_021497	Pvrl3	-4.74971	1	-5.23054	65.3863	1.62022	Down
NR_033786	1700052I22Rik	-4.74925	1	-6.50086	36.0481	0.190427	Down
NM_181816	Ccdc67	-4.74882	1	-5.19721	45.7094	1.1629	Down
NM_027042	Lelp1	-4.74815	1	-5.34315	94.9266	2.14548	Down
NM_010801	Mlf1	-4.74601	1	-5.21686	113.032	2.83047	Down
NM_029061	Ccdc7	-4.74575	1	-6.05893	23.0783	0.283013	Down
NM_031390	Pramel3	-4.74558	1	-6.37265	5.08514	0.0390912	Down

NM_001145038_2	Gm2933	-4.74298	1	-6.26985	13.6436	0.126615	Down
NM_026469	Tex13a	-4.74298	1	-6.26985	17.6217	0.163533	Down
NM_029455	4930525F21Rik	-4.74007	1	-5.91736	28.4612	0.404077	Down
NM_001033774	Gm1661	-4.73948	1	-6.1826	19.1717	0.201519	Down
NM_001200025	1700015F17Rik	-4.73538	1	-5.99728	54.1838	0.707798	Down
NM_199312	BC051628	-4.7329	1	-5.52035	37.5464	0.727787	Down
NM_026489	Hormad1	-4.7298	1	-6.25683	15.2208	0.142537	Down
NM_199309	Zdhhc19	-4.71907	1	-6.47111	10.1613	0.0548023	Down
NM_028961	4933433C11Rik	-4.71592	1	-6.08909	21.4927	0.251017	Down
NM_031259	Nxf2	-4.71143	1	-7.46357	5.58249	0	Down
NM_001145803	Mak	-4.70993	1	-5.34985	19.8396	0.443403	Down
NM_029112	Morn3	-4.70896	1	-5.53617	52.7772	1.00678	Down
NM_029163	Usp50	-4.70383	1	-5.75987	25.6763	0.410704	Down
NM_027614	Wdr20b	-4.70309	1	-5.35597	30.4672	0.676665	Down
NM_177567	BC049762	-4.70131	1	-5.3828	71.1926	1.54477	Down
NM_001099333	Gm2863	-4.69932	1	-6.07267	15.5746	0.183985	Down
NM_011913	Best1	-4.69779	1	-5.30335	37.1562	0.862043	Down
NM_148943	Usp9y	-4.69601	1	-7.44839	1.61876	0	Down
NM_027083	Lyzl6	-4.68984	1	-5.95223	42.2741	0.56977	Down
NM_001164286	Gm5415	-4.68953	1	-6.21706	5.9689	0.0574634	Down
NM_0010103810	Gm5591	-4.68824	1	-6.44073	3.78744	0.0208634	Down
NM_027025	Adora3	-4.68652	1	-6.13027	29.0772	0.316958	Down
NM_027974	Efhc1	-4.68608	1	-5.16724	52.7432	1.36559	Down
NM_001195537	Gm10345	-4.68478	1	-5.56725	25.4611	0.472568	Down
NM_027032	Pacrg	-4.68197	1	-5.24955	63.4694	1.53649	Down
NM_001039889	Smok3b	-4.68043	0	-7.43304	5.56108	0	Down
NM_010892	Nek2	-4.68022	1	-5.15633	36.9937	0.965596	Down
NM_001085545	Gm14345	-4.67471	1	-5.98868	17.0677	0.219768	Down
NM_001085551	Gm14346	-4.67471	1	-5.98868	17.0677	0.219768	Down
NM_001085552	Gm14351	-4.67471	1	-5.98868	17.1464	0.220782	Down
NM_001167757	Ankrd7	-4.67471	1	-5.98868	28.0878	0.361667	Down
NM_001081363	Cenpf	-4.67356	1	-5.0735	14.6066	0.406656	Down
NM_001009547	Adam26b	-4.67258	1	-7.4253	5.361	0	Down
NM_001037718	4932415M13Rik	-4.67258	1	-7.4253	6.50186	0	Down
NM_026290	493051111Rik	-4.67189	1	-5.62986	40.5647	0.715957	Down
NM_001164235	1700007B14Rik	-4.67127	1	-6.19903	10.2234	0.0996635	Down
NM_177576	Sun3	-4.67096	1	-5.88865	33.3138	0.476621	Down
NM_001008973	Tmem232	-4.67011	1	-5.28668	28.4104	0.665759	Down
NM_029367	Spaca3	-4.66666	1	-6.19448	27.0552	0.264586	Down
NR_033731	1700023I07Rik	-4.66666	1	-6.19448	11.3054	0.110561	Down
NM_198668	4930590J08Rik	-4.66558	1	-5.97966	9.79191	0.126877	Down
NM_153390	Pxt1	-4.66469	1	-6.41753	12.634	0.07073	Down
NM_001198597	9430070O13Rik	-4.6646	1	-5.84267	20.0602	0.299962	Down
NM_029066	Wbp2nl	-4.66321	1	-6.10725	19.6705	0.217879	Down
NM_001099275	Tekt5	-4.65946	1	-5.97361	25.9234	0.337311	Down
NM_029212	Ccdc33	-4.65496	1	-5.41362	20.1032	0.421473	Down
NM_175020	Prss58	-4.65331	1	-5.96753	33.3989	0.436419	Down
NM_177868	Fhad1	-4.65285	1	-5.06197	36.0317	1.01043	Down
NM_026648	Lrrc50	-4.65175	1	-5.11831	42.6903	1.14519	Down
NM_027945	Csl	-4.64886	1	-5.27703	35.8808	0.845032	Down
NM_030055	Tmem210	-4.64876	1	-7.40185	24.5816	0	Down
NR_029445	4930584F24Rik	-4.6481	1	-6.17616	18.3032	0.18129	Down
NM_001099917	2210404O07Rik	-4.64763	1	-5.17682	165.93	4.24503	Down
NM_001142631	Spdya	-4.64746	1	-6.09169	20.567	0.230284	Down
NM_001033362	Gm614	-4.64342	1	-6.17155	29.0154	0.288317	Down
NM_175488	Ccdc38	-4.64289	1	-5.0291	46.4683	1.33565	Down
NR_015532	1700108J01Rik	-4.63953	1	-6.08385	54.5035	0.613598	Down
NM_001166601	Gm16430	-4.63873	1	-6.16692	30.864	0.307676	Down
NM_001166646	Gm16405	-4.63873	1	-6.16692	30.864	0.307676	Down
NR_028486	1700001O22Rik	-4.63577	1	-5.19522	87.3295	2.19768	Down
NM_001034103	Gm5941	-4.63402	1	-6.16227	38.5934	0.385973	Down
NM_001033241	Gm382	-4.63267	1	-6.38599	3.08224	0.0176391	Down
NR_015512	4933406K04Rik	-4.63267	1	-6.38599	9.27179	0.0530606	Down
NM_001199996	4933402E13Rik	-4.62671	1	-6.25538	8.73815	0.0728842	Down
NM_027302	Ctag2	-4.62671	1	-6.25538	20.0865	0.16754	Down
NM_183139	Pld6	-4.62671	1	-6.25538	9.73101	0.0811656	Down
NM_026619	Gsto2	-4.62473	1	-5.84292	29.7997	0.440098	Down
NM_001033773	Ube2u	-4.62456	1	-6.15293	14.104	0.141973	Down
NM_027069	1700018F24Rik	-4.623	1	-5.88615	31.8258	0.449095	Down
NM_027955	Gmcl1l	-4.62038	1	-5.99467	14.7229	0.183609	Down
NM_001099688	Fbxo39	-4.62015	1	-5.88332	20.7735	0.293709	Down
NM_001168337	Gm2825	-4.61904	1	-5.93366	16.5119	0.220895	Down
NM_028851	1700080O16Rik	-4.61486	1	-6.2437	11.7433	0.0987496	Down
NR_004448	4930448K20Rik	-4.61486	1	-6.2437	11.9154	0.100197	Down
NM_198637	1700016K19Rik	-4.61315	1	-5.49632	47.9754	0.935387	Down
NM_031374	Tex15	-4.60201	1	-5.01137	17.6387	0.512305	Down

NM_001177377	Gm6760	-4.59999	1	-5.91484	52.7031	0.714338	Down
NM_028087	Gcnt3	-4.59991	1	-7.35375	2.85188	0	Down
NM_001039557	4922505G16Rik	-4.59877	1	-5.10258	29.1864	0.788456	Down
NM_001168369	1700008F21Rik	-4.59422	1	-5.85769	22.7023	0.326747	Down
NM_027612	4921539E11Rik	-4.59275	1	-5.27502	23.8386	0.557429	Down
NM_001099295	1700042G07Rik	-4.58839	1	-5.85193	88.7163	1.28198	Down
NM_026096	1700054O13Rik	-4.58496	1	-5.76389	73.8443	1.16628	Down
NM_027048	1700008P02Rik	-4.58326	1	-6.33736	15.389	0.0911053	Down
NM_178755	Agbl2	-4.58066	1	-5.53959	12.1389	0.228105	Down
NM_183103	Prss46	-4.57873	1	-6.20807	13.2511	0.114226	Down
NM_001085523	Gm14374	-4.57854	1	-6.02365	12.4807	0.146512	Down
NM_028955	4933427G17Rik	-4.57745	1	-5.89257	16.6182	0.228755	Down
NM_029229	4930557A04Rik	-4.5763	1	-6.10531	37.6342	0.391587	Down
NM_177765	Till13	-4.57602	1	-5.09884	30.8872	0.834779	Down
NM_001033766	4930596D02Rik	-4.57485	1	-7.32909	10.376	0	Down
NM_013558	Hspa1l	-4.5737	1	-4.86112	117.05	3.80507	Down
NM_031172	Trim17	-4.56958	1	-5.13786	47.3746	1.23925	Down
NM_028889	Efh1	-4.56889	1	-5.03589	63.0132	1.7898	Down
NM_024445	Tsnaxip1	-4.56729	1	-5.22113	27.9718	0.682177	Down
NM_177742	Trim1	-4.56647	1	-5.94143	14.9934	0.19403	Down
NM_001163810	1700008P20Rik	-4.5661	1	-5.52518	46.9601	0.89131	Down
NM_001034100	Gm5382	-4.55791	1	-6.31241	23.3676	0.140767	Down
NM_001081330	Dnahc2	-4.55215	1	-4.94143	11.4934	0.350992	Down
NM_001081083	Armc3	-4.5498	1	-5.72912	13.3336	0.215732	Down
NM_001001185	BC048507	-4.54936	1	-7.304	20.3921	0	Down
NM_001081197	Apobec4	-4.54804	1	-5.92323	17.49	0.229218	Down
NM_029306	1700012B09Rik	-4.54804	1	-5.92323	39.9844	0.524022	Down
NM_001111037_2	Gm14483	-4.54698	1	-5.76607	73.588	1.14636	Down
NM_028086	Mospd4	-4.54654	1	-6.07597	22.9679	0.24391	Down
NM_175368	4933402P03Rik	-4.54609	1	-5.06255	57.6963	1.60029	Down
NM_023774	4930550L24Rik	-4.54075	1	-7.29554	7.49243	0	Down
NM_027635	4931423N10Rik	-4.54075	1	-7.29554	6.39419	0	Down
NM_019779	Cyp11a1	-4.5406	1	-5.91589	15.3607	0.202342	Down
NM_198655	4921509C19Rik	-4.5383	1	-5.11563	28.2462	0.749496	Down
NR_001584	Speer8-ps1	-4.53538	1	-6.16537	14.4235	0.128084	Down
NM_029287	1700006E09Rik	-4.5321	1	-7.28702	16.7742	0	Down
NM_177779	Ccdc42	-4.53143	1	-6.06107	14.8349	0.159182	Down
NM_023284	Nuf2	-4.52942	1	-5.28916	19.5894	0.447761	Down
NR_033788	1700109G14Rik	-4.52909	1	-6.15916	20.1743	0.179927	Down
NM_029195	Ccdc146	-4.52528	1	-5.20807	16.431	0.402487	Down
NR_003635	4933400A11Rik	-4.52275	1	-6.15293	13.032	0.116733	Down
NM_001177347	1700092M07Rik	-4.52198	1	-5.74136	95.3693	1.51139	Down
NM_001013767	Capn11	-4.5192	1	-5.9651	9.12098	0.11152	Down
NM_019395	Fbp1	-4.5184	1	-4.83853	155.046	5.11003	Down
NM_201365	Fam178b	-4.51775	1	-5.11425	42.42	1.12376	Down
NM_146050	Oit1	-4.51486	1	-5.96082	18.7185	0.229547	Down
NM_023781	1700020D05Rik	-4.51427	1	-5.03094	89.4586	2.53629	Down
NM_001099643	Gm3750	-4.51046	1	-5.88615	17.8306	0.239783	Down
NM_030106	Tmsb15a	-4.51003	1	-6.14039	53.1438	0.480207	Down
NM_001045516	Proca1	-4.50942	1	-5.33853	28.1904	0.616842	Down
NM_001085553_3	Gm10921	-4.50764	1	-5.82362	15.2187	0.219768	Down
NM_001081246	1700017N19Rik	-4.50589	1	-6.03589	11.6705	0.12744	Down
NM_026223	Glpr1l2	-4.50583	1	-6.26118	6.11992	0.038207	Down
NM_177880	4933411G11Rik	-4.50583	1	-7.26118	5.3287	0	Down
NM_001195189	4930469G21Rik	-4.50507	1	-5.72465	37.5494	0.602021	Down
NM_029309	Morn5	-4.50423	1	-5.82026	43.1288	0.624269	Down
NM_172125	Adam1b	-4.5031	1	-4.91938	46.6633	1.44379	Down
NM_148937	Plcd4	-4.50291	1	-5.56114	13.1156	0.240828	Down
NM_183406	Cox6b2	-4.50028	1	-5.15463	128.048	3.2703	Down
NM_029305	1700003F12Rik	-4.49739	1	-5.8135	40.4086	0.587648	Down
NM_020487	Prss21	-4.49554	1	-6.0257	18.1836	0.199975	Down
NM_053216	1700102P08Rik	-4.4951	1	-5.55342	35.4177	0.653834	Down
NR_026924	1700020N18Rik	-4.49034	1	-6.02057	35.74	0.394456	Down
NM_177859	Aknad1	-4.48803	1	-6.2437	4.36418	0.0275801	Down
NM_001195748	Rgs22	-4.48298	1	-4.80035	55.0345	1.86284	Down
NM_001033874	Ak8	-4.48106	1	-5.36561	25.702	0.548721	Down
NM_153099	Prss42	-4.47906	1	-6.23487	7.26061	0.0461678	Down
NM_026625	1700067P10Rik	-4.47768	1	-6.10854	19.5737	0.180834	Down
NM_152818	Osbp2	-4.47513	1	-4.72946	81.5324	2.90879	Down
NM_029627	Ly6k	-4.47354	1	-5.6935	45.35	0.742985	Down
NM_025487	1700011A15Rik	-4.47112	1	-6.10208	17.1338	0.159005	Down
NM_178418	Ccdc144b	-4.47112	1	-6.10208	6.24368	0.0579427	Down
NM_020622	Fam3b	-4.47003	1	-6.226	13.1852	0.0843607	Down
NR_024051	Abca16	-4.46978	1	-5.73477	6.30581	0.0988467	Down
NM_182694	Ggn	-4.46893	1	-5.18586	18.5988	0.460025	Down
NM_001025260	Gm14484	-4.46606	1	-5.64637	76.3236	1.30793	Down

NM_027164	Lrrc27	-4.46533	1	-4.87226	64.9629	2.07843	Down
NM_178671	Ubxn10	-4.46522	1	-4.90306	40.8767	1.27672	Down
NM_027026	Lrrc46	-4.46156	1	-4.78492	161.722	5.53089	Down
NR_030547	Mir147	-4.46093	1	-7.21706	141.15	0	Down
NM_030071	4921528O07Rik	-4.45915	1	-5.77576	9.76078	0.145719	Down
NM_029916	Stk31	-4.45898	1	-5.67912	10.7187	0.177371	Down
NM_139301	Catsper1	-4.45874	1	-5.98943	9.26534	0.104499	Down
NM_198666	Gm9758	-4.45806	1	-5.51683	32.8251	0.621567	Down
NM_027732	Dmrtc2	-4.45792	1	-6.08909	9.47032	0.0886856	Down
NM_001122661	Speer4e	-4.45213	1	-5.21257	36.0558	0.86914	Down
NM_001200013	1700013H16Rik	-4.45127	1	-6.08254	12.4696	0.117306	Down
NM_001177408	Gm15319	-4.4494	1	-4.80839	68.0573	2.28452	Down
NM_019872	Dmrtb1	-4.44646	1	-4.84175	79.4771	2.59967	Down
NM_001159960	Pde1c	-4.44511	1	-4.84615	15.8999	0.518257	Down
NM_028826	Sept14	-4.4446	1	-6.07597	8.9953	0.08501	Down
NM_173409	4933402N03Rik	-4.44258	1	-7.19903	9.48448	0	Down
NM_053253	Zmynd10	-4.43649	1	-5.13607	28.7041	0.737158	Down
NM_017407	Spag5	-4.4357	1	-5.15293	12.6184	0.319321	Down
NM_001031621	Abca17	-4.43448	1	-5.13407	9.65948	0.248412	Down
NM_029937	Nup210l	-4.43377	1	-5.26367	7.12755	0.164281	Down
NM_025759	Speer4d	-4.43187	1	-5.96296	16.1755	0.185827	Down
NM_001162364	Gm14525	-4.43115	1	-6.06273	16.8763	0.160966	Down
NM_011583	Theg	-4.43002	1	-5.16719	36.8273	0.91966	Down
NM_027633	4931417G12Rik	-4.42995	1	-5.8771	16.2685	0.211461	Down
NM_177256	Prdx6-ps1	-4.42875	1	-4.80832	52.6376	1.76433	Down
NM_178776	BC049715	-4.42507	1	-5.60588	32.2131	0.567767	Down
NM_029144	4930503B20Rik	-4.4193	1	-4.84279	121.585	3.96479	Down
NM_027298	Ccdc89	-4.41805	1	-4.90075	41.1405	1.28144	Down
NM_025290	Rsp1	-4.41705	1	-4.68587	248.629	9.13591	Down
NM_001164519	Ctnna3	-4.41607	1	-5.86343	7.70549	0.101114	Down
NM_207268	Ccdc87	-4.4155	1	-5.94684	5.86099	0.0680913	Down
NR_027978	4930465K10Rik	-4.41461	1	-7.17155	8.55975	0	Down
NM_001039553	4930467E23Rik	-4.41359	1	-4.82709	49.5845	1.63602	Down
NM_001039593	1700015E13Rik	-4.41358	1	-5.2437	56.0085	1.30895	Down
NM_172914	Ccdc113	-4.40902	1	-5.46837	28.8422	0.564838	Down
NM_024279	Spaca7	-4.40516	1	-7.16227	14.1034	0	Down
NM_029714	Catsperg2	-4.39944	1	-4.80368	33.5167	1.12485	Down
NM_008574	Smcp	-4.39803	1	-4.70485	249.922	9.04453	Down
NM_007630	Ccnb2	-4.39655	1	-4.98418	43.3263	1.25786	Down
NM_177655	Cst1	-4.39003	1	-6.02228	23.9927	0.23538	Down
NM_183181	Abhd16b	-4.3878	1	-5.91957	10.2478	0.121337	Down
NM_175032	Galnt6	-4.38695	1	-5.608	6.49134	0.112857	Down
NR_038129	1700085B03Rik	-4.38608	1	-7.14353	13.2251	0	Down
NM_011449	Spa17	-4.38463	1	-4.68771	326.648	11.9652	Down
NM_027689	Rfx4	-4.38317	1	-5.831	6.53504	0.0877104	Down
NM_029674	Got111	-4.38317	1	-5.831	15.7786	0.211773	Down
NM_153052	Gzmn	-4.37645	1	-7.13407	11.0311	0	Down
NM_008757	Odf1	-4.37437	1	-4.60514	340.455	13.2537	Down
NM_027759	Fsip1	-4.37328	1	-5.33461	21.7869	0.472027	Down
NM_001081393	Armc4	-4.372	1	-5.05607	14.4116	0.3923	Down
NM_008021	Foxm1	-4.36592	1	-5.25179	8.54198	0.197363	Down
NM_008291	Hsd17b3	-4.35697	1	-6.11496	8.07484	0.055825	Down
NR_027988	4930433N12Rik	-4.35697	1	-7.11496	7.51393	0	Down
NM_183141	Elfn2	-4.35696	1	-5.53863	7.19725	0.132919	Down
NM_021294	Dbil5	-4.35433	1	-4.60549	549.059	21.35	Down
NM_001164166	Pom121l12	-4.35385	1	-5.88615	16.5011	0.199975	Down
NR_033171	4930403L05Rik	-4.3477	1	-5.98066	15.7272	0.15883	Down
NM_001085387	Myl10	-4.34715	1	-6.10531	16.9927	0.118272	Down
NR_027968	1700020N01Rik	-4.34558	1	-5.66375	25.1578	0.405981	Down
NM_181589	Ckap2l	-4.34296	1	-5.13407	12.6411	0.320393	Down
NM_001160386	Dnahc7b	-4.33996	1	-4.68757	13.7202	0.50122	Down
NM_013588	Lrrc23	-4.339	1	-4.99467	35.9369	1.02559	Down
NM_027744	4933437F05Rik	-4.33649	1	-5.03696	33.267	0.915182	Down
NM_001145759	4930571K23Rik	-4.33597	1	-4.57308	161.721	6.43551	Down
NM_001195726	Fam181a	-4.33241	1	-5.71057	16.8036	0.255302	Down
NM_010353	Gsg2	-4.3319	1	-4.58895	105.866	4.16291	Down
NM_001085554	Gm10922	-4.33026	1	-5.64865	13.4763	0.219768	Down
NM_027103	1700030J22Rik	-4.33002	1	-4.73769	41.9659	1.474	Down
NM_028959	Cep72	-4.32764	1	-4.83316	23.0647	0.751117	Down
NM_001193631	Prss51	-4.32728	1	-6.08582	10.6102	0.0748602	Down
NM_021408	Ush2a	-4.32607	1	-5.95939	0.881634	0.00903656	Down
NM_001024727	Gm16387	-4.32493	1	-5.85769	5.87432	0.0726139	Down
NR_027848	4930479M11Rik	-4.32377	1	-5.70206	33.6002	0.513526	Down
NM_029590	1700010D01Rik	-4.32083	1	-5.54277	63.2683	1.15096	Down
NR_002846	Nespas	-4.31879	1	-5.95223	6.20044	0.063871	Down
NM_001081657	Gm5935	-4.31723	1	-6.07597	11.5491	0.0820468	Down

NM_030609	Hist1h1a	-4.31301	1	-4.88314	89.2853	2.78707	Down
NM_001081121	4931429111Rik	-4.31113	1	-5.5332	10.2222	0.187199	Down
NM_028113	Fam123a	-4.30729	1	-5.84034	6.33339	0.0792395	Down
NM_027066	Tmem89	-4.30714	1	-6.06605	18.6539	0.13344	Down
NM_031388	Usp26	-4.30714	1	-6.06605	2.42821	0.0173702	Down
NM_001004061	Fam170a	-4.30502	1	-5.75404	15.1123	0.213982	Down
NM_029252	4930563D23Rik	-4.30468	1	-4.68489	52.1071	1.90263	Down
NM_023370	Cdh23	-4.30137	1	-5.52358	2.94812	0.0543511	Down
NR_028320	AU015836	-4.29695	1	-6.05607	3.32203	0.0239303	Down
NM_008613	Mns1	-4.29071	1	-4.82935	40.3039	1.31107	Down
NM_001146299	Sh3rf2	-4.29045	1	-4.8523	14.1017	0.450194	Down
NM_001080995	4632434111Rik	-4.28815	1	-4.78244	24.6522	0.8326	Down
NM_009548	Rnf112	-4.2867	1	-6.04602	3.33549	0.0241965	Down
NM_001177867	Sgol2	-4.28167	1	-5.02027	9.62173	0.266077	Down
NM_011902	Tekt2	-4.28164	1	-5.50412	20.572	0.384423	Down
NM_001081253	Fbxo43	-4.2793	1	-5.59843	6.32159	0.106752	Down
NM_001164739	Fam47a-ps	-4.27637	1	-7.03589	5.96281	0	Down
NM_001167705	Serpina3a	-4.27637	1	-6.03589	5.27184	0.0385145	Down
NM_011497	Aurka	-4.27477	1	-4.82866	35.9623	1.16825	Down
NM_178386	Slc25a31	-4.27459	1	-5.72409	9.4135	0.136097	Down
NM_146126	Sord	-4.27135	1	-4.44478	269.701	11.7586	Down
NM_172258	Slc36a3	-4.26945	1	-5.71904	11.2587	0.163347	Down
NM_016685	Comp	-4.26728	1	-5.58658	10.4281	0.177554	Down
NM_177593	Gm4763	-4.26598	1	-6.0257	11.0624	0.0813957	Down
NM_001033455	Ccdc27	-4.26424	1	-4.92057	24.0782	0.723422	Down
NR_003625	1700073E17Rik	-4.25921	1	-5.57864	5.47057	0.0936608	Down
NM_001111144	Gm381	-4.2555	1	-6.01543	4.75568	0.0352435	Down
NM_001113734	Mageb16	-4.2555	1	-7.01543	5.61584	0	Down
NM_029660	Rbmxl2	-4.2555	1	-6.01543	6.58106	0.048771	Down
NM_029587	1700012A03Rik	-4.25457	1	-4.76061	87.059	2.98148	Down
NM_026136	4930449I24Rik	-4.25307	1	-5.78701	14.2011	0.184395	Down
NM_019871	Amac1	-4.25272	1	-5.6321	14.9242	0.239463	Down
NM_028687	4930403N07Rik	-4.25221	1	-4.736	32.8325	1.14647	Down
NM_001199956	Gm9839	-4.25151	1	-5.88615	9.26329	0.0999178	Down
NM_028158	1700021F07Rik	-4.24872	1	-5.69864	30.4431	0.447994	Down
NM_001160150	Amy2a4	-4.24385	1	-5.87861	3.55672	0.0385662	Down
NM_001160151	Amy2a3	-4.24385	1	-5.87861	3.55672	0.0385662	Down
NM_001160152	Amy2a2	-4.24385	1	-5.87861	3.55672	0.0385662	Down
NM_025763	4933436I01Rik	-4.24385	1	-5.87861	9.28588	0.100689	Down
NM_148940	Prss44	-4.23432	1	-6.99467	5.19474	0	Down
NM_029690	Arpm1	-4.22626	1	-5.40971	16.9075	0.3415	Down
NM_001081476	Gm14725	-4.22362	1	-6.98418	11.4471	0	Down
NM_026100	Tctex1d1	-4.22308	1	-5.40657	15.7316	0.318442	Down
NM_001204983	Gm9766	-4.22053	1	-4.55126	63.7104	2.5611	Down
NR_037690	Gm4776	-4.21574	1	-5.75033	4.80784	0.0640419	Down
NM_031185	Akap12	-4.2145	1	-4.31723	260.866	12.6059	Down
NM_001085543	Gm14347	-4.214	1	-5.53412	12.4452	0.219768	Down
NM_001172152	Wdr17	-4.21282	1	-6.97361	2.27534	0	Down
NM_010623	Kif17	-4.21117	1	-4.70601	20.5964	0.733497	Down
NR_015496	1700031M16Rik	-4.20982	1	-5.53	29.518	0.52275	Down
NM_001033465	6430531B16Rik	-4.20241	1	-5.47111	22.9909	0.432848	Down
NM_001033807	4930567H17Rik	-4.20195	1	-6.96296	11.1177	0	Down
NM_029158	Zcchc13	-4.20097	1	-5.65168	17.504	0.266139	Down
NM_028392	Ppp2r2b	-4.19723	1	-4.96029	18.4794	0.530737	Down
NM_001129886	Gm10731	-4.19204	1	-4.55027	80.1893	3.21986	Down
NM_001164669	Dnahc6	-4.18851	1	-4.52269	13.012	0.533424	Down
NM_025719	Nkapl	-4.18612	1	-4.83019	33.8645	1.0855	Down
NM_183099	Tssk5	-4.17996	1	-6.94143	6.07627	0	Down
NM_029286	Ccdc30	-4.17974	1	-4.63138	36.8251	1.38713	Down
NM_172126	Adam1a	-4.17929	1	-4.51023	53.8926	2.22896	Down
NM_028673	Zdbf2	-4.17904	1	-4.81096	4.02	0.130829	Down
NM_001001492	Lca5l	-4.17828	1	-4.61407	31.4388	1.20029	Down
NM_001033668	Dnahc1	-4.17624	1	-4.52469	11.7274	0.479648	Down
NM_001081348	Hecw1	-4.17374	1	-5.62491	1.95965	0.0303556	Down
NM_001134733	CK137956	-4.17374	1	-5.62491	8.39218	0.129997	Down
NM_183166	Gm4884	-4.17289	1	-5.80898	4.42301	0.0503443	Down
NM_001177877	1700108M19Rik	-4.16884	1	-6.93054	9.77492	0	Down
NM_009571	Zfy2	-4.16884	1	-6.93054	3.24211	0	Down
NM_028847	Mageb5	-4.16884	1	-5.93054	7.29798	0.0573869	Down
NM_001081262	Fam194a	-4.16766	1	-5.43689	11.8748	0.228946	Down
NM_001162880	1700007E06Rik	-4.1627	1	-5.61407	38.3311	0.598258	Down
NM_027942	Ddi1	-4.1627	1	-4.61032	61.7608	2.36155	Down
NM_183113	4932414N04Rik	-4.1616	1	-4.92506	10.0436	0.295598	Down
NM_025850	Fank1	-4.15801	1	-4.82922	22.772	0.727365	Down
NM_029290	1700011I03Rik	-4.15789	1	-5.6935	16.0719	0.222723	Down
NM_030224	Fndc8	-4.15786	1	-5.34229	14.6687	0.310485	Down

NM_027668	4933412E24Rik	-4.15764	1	-6.91957	5.16833	0	Down
NM_028528	1700058C13Rik	-4.15715	1	-5.60861	16.739	0.26225	Down
NM_001163569	Kif9	-4.15634	1	-4.64611	25.0604	0.930876	Down
NM_198414	Paqr9	-4.15131	1	-5.68705	6.71229	0.0934373	Down
NM_023223	Cdc20	-4.1508	1	-4.78298	27.8928	0.925556	Down
NM_001034878	Dnaic2	-4.148	1	-5.41753	8.9574	0.175039	Down
NM_001037919	Gm6460	-4.14781	1	-5.3324	36.9262	0.78699	Down
NM_028529	Nipsnap3a	-4.14635	1	-5.90851	8.18052	0.0653239	Down
NM_175522	Elfn1	-4.14635	1	-5.90851	2.34491	0.0187248	Down
NM_001115074	Gm101	-4.1447	1	-5.68056	6.13387	0.0857718	Down
NM_001025085	Gm5797	-4.14405	1	-5.52518	20.831	0.360035	Down
NM_027622	Tex19.2	-4.13807	1	-5.67405	7.49386	0.105265	Down
NM_028499	Lrrc69	-4.13544	1	-5.36008	22.9814	0.474651	Down
NM_031260	Mov1011	-4.13511	1	-5.1982	7.49904	0.177174	Down
NM_031163	Col2a1	-4.13495	1	-6.89737	1.73791	0	Down
NM_183131	4930451111Rik	-4.13495	1	-5.89737	18.7804	0.151139	Down
NM_171824	Pgbd5	-4.12908	1	-5.58103	6.36713	0.101687	Down
NM_016964	Stag3	-4.12889	1	-4.57676	21.6925	0.848994	Down
NM_025732	Ankrd61	-4.12445	1	-4.66442	43.4183	1.58362	Down
NM_001166210	Myh15	-4.12349	1	-5.88615	1.39606	0.0113235	Down
NM_176954	Celf5	-4.12349	1	-5.88615	2.01617	0.0163533	Down
NR_023357	Gm6981	-4.12169	1	-4.95531	22.296	0.636618	Down
NM_007491	Art5	-4.12072	1	-5.34558	16.0611	0.33508	Down
NM_010181	Fbn2	-4.11683	1	-4.78845	4.16961	0.137006	Down
NM_025281	Lyar	-4.11565	1	-4.40821	130.04	5.78586	Down
NM_031386	Tex14	-4.11354	1	-5.00269	6.58447	0.180872	Down
NM_001004192	BC048562	-4.11192	1	-6.87483	12.7821	0	Down
NM_010416	Hemt1	-4.11192	1	-5.87483	10.9356	0.0894035	Down
NM_175223	Dnal1	-4.1107	1	-4.57148	41.2277	1.61753	Down
NM_029042	4930435E12Rik	-4.10782	1	-5.378	18.2893	0.367351	Down
NM_009603	Chrne	-4.10622	1	-5.55857	11.1263	0.180493	Down
NM_008793	Pcsk4	-4.10531	1	-4.84581	14.6372	0.456904	Down
NM_027687	Cabyr	-4.10512	1	-4.49157	55.8527	2.3311	Down
NR_038009	2810408I11Rik	-4.10377	1	-4.99306	43.6925	1.20826	Down
NM_029056	Tdrd9	-4.10154	1	-4.78822	8.65184	0.283641	Down
NM_001039240	Gm7073	-4.09828	1	-5.73581	8.44763	0.101185	Down
NM_027018	Glipr11	-4.09761	1	-5.63434	16.6454	0.240372	Down
NM_009936	Col9a3	-4.09555	1	-5.36593	8.71774	0.176577	Down
NM_198677	BC061237	-4.08975	1	-5.72745	13.2564	0.159713	Down
NM_001127340	Acrbp	-4.0893	1	-4.56422	63.7145	2.50898	Down
NM_028859	1700106J16Rik	-4.0885	1	-5.85193	7.08936	0.0588933	Down
NM_027544	Ggnbp1	-4.08789	1	-4.44671	88.3844	3.81316	Down
NM_028494	1700034I23Rik	-4.0775	1	-4.38713	75.3397	3.39821	Down
NM_009013	Rad51ap1	-4.07712	1	-5.53	9.45697	0.156493	Down
NM_019467	Aif1	-4.07706	1	-4.42234	164.396	7.22012	Down
NM_015768	Prok2	-4.07252	1	-5.71057	7.7846	0.0948988	Down
NM_027708	Fbxo24	-4.06583	1	-4.6873	22.467	0.798047	Down
NM_001109045	Aqp8	-4.06471	1	-6.82866	5.73334	0	Down
NR_026798	Zfp389	-4.06471	1	-5.82866	9.10336	0.076864	Down
NM_026150	4921536K21Rik	-4.06428	1	-4.7675	14.881	0.493597	Down
NM_175503	Aard	-4.06199	1	-4.74909	30.0383	1.01189	Down
NM_197959	Kif18b	-4.05994	1	-5.38257	6.58072	0.12912	Down
NM_145745	Adam34	-4.05938	1	-5.51258	6.83864	0.114545	Down
NM_011623	Top2a	-4.05527	1	-4.34924	36.8169	1.70636	Down
NM_001037743	4921506M07Rik	-4.05509	1	-5.6935	7.86932	0.0970804	Down
NM_001195255	Gm581	-4.05509	1	-5.6935	6.2007	0.0764954	Down
NM_011773	Slc30a3	-4.05392	1	-4.68705	23.2658	0.825184	Down
NM_026099	1700065I17Rik	-4.05342	1	-5.50673	30.2744	0.509156	Down
NM_001114612	Stxbp5l	-4.05265	1	-5.81688	0.703382	0.00598807	Down
NM_027655	4933405L10Rik	-4.05265	1	-5.81688	7.50253	0.063871	Down
NM_031382	Tex16	-4.05265	1	-5.81688	2.12307	0.0180743	Down
NM_199024	Nol4	-4.05251	1	-5.27846	5.22558	0.114226	Down
NM_001171615	Myt1	-4.04051	1	-5.80501	1.57647	0.0135327	Down
NM_028589	1700125H20Rik	-4.04051	1	-6.80501	8.57759	0	Down
NR_033580	4933401B06Rik	-4.04051	1	-6.80501	6.86067	0	Down
NM_001024614	1700007G11Rik	-4.03745	1	-5.67622	13.3558	0.166762	Down
NM_026135	Kctd16	-4.03745	1	-5.67622	8.42442	0.105188	Down
NM_207275	Banf2	-4.03745	1	-5.67622	21.8619	0.272969	Down
NM_025610	Asrgl1	-4.03712	1	-4.21261	224.403	11.4916	Down
NM_030192	4930562C15Rik	-4.03516	1	-4.86995	8.04499	0.243741	Down
NM_001163793	C530008M17Rik	-4.034	1	-4.43458	15.4986	0.67222	Down
NM_001024954	Pbx4	-4.03183	1	-5.41492	14.2801	0.266485	Down
NM_001029929	Zmynd15	-4.03106	1	-4.75239	13.0379	0.435718	Down
NM_145508	Dyrk3	-4.02982	1	-4.46665	43.4235	1.83635	Down
NM_030189	4930555I21Rik	-4.02931	1	-5.48308	7.05714	0.120657	Down
NR_026896	4931440L10Rik	-4.02931	1	-5.48308	11.5278	0.197093	Down

NM_001042711	Amy2a5	-4.02856	1	-5.6675	7.24771	0.0910475	Down
NM_001033764	4931408C20Rik	-4.02065	1	-4.66636	10.1538	0.364674	Down
NM_001031772	Lin28b	-4.01589	1	-5.78096	1.52207	0.0132872	Down
NM_031870	Msh4	-4.01589	1	-5.78096	2.47183	0.0215783	Down
NR_027636	Wdr69	-4.01589	1	-5.78096	4.99015	0.0435625	Down
NM_001098842	Gm6812	-4.01097	1	-5.46508	31.4742	0.544903	Down
NR_027801	Gm1141	-4.01097	1	-5.46508	7.72203	0.133689	Down
NM_027728	Enkur	-4.01049	1	-4.51258	57.3703	2.33515	Down
NM_177696	Gdpd4	-4.00585	1	-5.54436	4.59288	0.0706141	Down
NM_183290	4921517D22Rik	-4.0048	1	-5.45903	5.25691	0.0913953	Down
NM_027724	Cage1	-4.00414	1	-4.23962	99.1747	4.97362	Down
NM_001013382	Lrrc52	-4.00151	1	-5.64103	9.86857	0.126281	Down
NM_001101501	Gm15104	-4.00151	1	-5.64103	27.1028	0.346816	Down
NM_207248	4930433111Rik	-3.99861	1	-5.45296	8.13429	0.14202	Down
NM_177702	4833427G06Rik	-3.99441	1	-5.05971	35.6108	0.926335	Down
NR_038149	1700016P04Rik	-3.99339	1	-5.3172	48.8988	1.00407	Down
NR_015555	4933404O12Rik	-3.99311	1	-5.22005	6.35487	0.144667	Down
NR_038042	1700028116Rik	-3.99238	1	-5.6321	10.5595	0.135968	Down
NM_001081025	4932425124Rik	-3.99167	1	-4.65072	15.0476	0.545248	Down
NM_144537	Cpa5	-3.9912	1	-5.53	7.06515	0.109716	Down
NM_001085511	4932429P05Rik	-3.99086	1	-5.75651	2.61377	0.0232108	Down
NM_010920	Nkx2-6	-3.99086	1	-5.75651	6.99341	0.0621029	Down
NM_029048	Spdyb	-3.99086	1	-5.75651	4.44441	0.0394673	Down
NM_001163787	Ccdc151	-3.99071	1	-5.05607	12.5131	0.326323	Down
NM_028672	Fam161a	-3.98941	1	-4.56234	27.5606	1.07483	Down
NM_019536	Dnahc10	-3.98764	1	-4.58864	3.48514	0.132965	Down
NM_001145537	4930544D05Rik	-3.98329	1	-5.36727	28.4962	0.549701	Down
NM_011369	Shcbp1	-3.98062	1	-4.6537	18.6654	0.673461	Down
NM_028892	Spag17	-3.97816	1	-4.33162	16.4082	0.767037	Down
NR_003646	4921511C20Rik	-3.97816	1	-6.74413	4.99047	0	Down
NM_027035	1700001L19Rik	-3.9781	1	-4.94504	15.3802	0.436781	Down
NM_139051	Nr5a1	-3.97357	1	-5.4284	5.48652	0.0974428	Down
NM_001122635	Cdhr4	-3.96894	1	-5.5082	12.0351	0.189756	Down
NM_001195673	Prr22	-3.96894	1	-5.5082	10.1184	0.159535	Down
NM_001033365	Gm628	-3.96536	1	-5.73164	3.54371	0.032021	Down
NM_009556	Zfp42	-3.96536	1	-6.73164	4.41144	0	Down
NM_207657	5031410I06Rik	-3.9626	1	-4.7285	10.8311	0.36541	Down
NM_001085491	1700125D06Rik	-3.96145	1	-5.50086	24.3551	0.385973	Down
NM_029181	Six1	-3.96145	1	-5.50086	18.2909	0.289869	Down
NM_173771	4933406M09Rik	-3.96117	1	-5.34558	10.3555	0.202799	Down
NM_001034102	Gm5800	-3.95528	1	-5.5958	12.7757	0.168721	Down
NM_026092	Lyzl1	-3.95391	1	-5.49348	15.9064	0.25338	Down
NM_177230	Ccdc158	-3.94601	1	-4.44298	18.4774	0.78978	Down
NM_144819	Ccdc92	-3.94248	1	-4.30858	52.3006	2.48213	Down
NM_182957	Gm17019	-3.93922	1	-4.61277	33.0312	1.22615	Down
NM_001200028	1700027A23Rik	-3.93576	1	-4.54765	47.8957	1.87738	Down
NM_027754	Rnf148	-3.9333	1	-4.6558	27.4956	0.982646	Down
NM_001040611	Peg10	-3.93043	1	-4.82233	4.15063	0.129237	Down
NM_027787	Rfx2	-3.92974	1	-4.30266	33.7137	1.60582	Down
NM_007664	Cdh2	-3.92773	1	-4.55063	9.4954	0.370853	Down
NM_001100445	Gm2030	-3.92627	1	-6.6935	6.85201	0	Down
NR_033461	Gm9999	-3.92529	1	-4.57204	72.6429	2.78554	Down
NM_028655	Sat1	-3.92387	1	-4.69028	12.8868	0.446461	Down
NM_007760	Crat	-3.9222	1	-4.13347	75.309	4.06919	Down
NM_001145977	Cadm2	-3.92215	1	-5.378	1.63691	0.0301105	Down
NM_176965	Efcab5	-3.92095	1	-4.20807	39.5186	2.02076	Down
NR_028586	Gm11978	-3.9159	1	-5.30118	13.6077	0.274851	Down
NM_013751	Hrasls	-3.91069	1	-4.65355	11.0457	0.39405	Down
NM_010079	Dsg1a	-3.9099	1	-5.13828	4.23582	0.102066	Down
NM_025856	1700029G01Rik	-3.90646	1	-4.16764	114.931	6.05193	Down
NM_026580	Otub2	-3.90276	1	-4.32623	31.1673	1.45471	Down
NR_028584	Gm11213	-3.90237	1	-5.35863	29.3934	0.548023	Down
NM_013538	Cdca3	-3.9022	1	-4.52538	29.1324	1.15792	Down
NM_011866	Pde10a	-3.90066	1	-4.79304	3.51309	0.111636	Down
NM_023209	Pbk	-3.90031	1	-4.69693	17.7831	0.610616	Down
NM_021885	Tub	-3.90003	1	-5.44073	2.19367	0.036252	Down
NM_001001334	BC061194	-3.89683	1	-4.6935	17.6871	0.608767	Down
NM_181815	4930534B04Rik	-3.8924	1	-4.20046	32.8675	1.68762	Down
NM_001164201	Lass3	-3.88919	1	-4.39235	19.4651	0.861227	Down
NM_016869	Corin	-3.88707	1	-4.95419	5.27391	0.147627	Down
NM_011667	Ube1y1	-3.88611	1	-5.65433	1.89069	0.0180334	Down
NM_199471	Prss43	-3.88611	1	-5.65433	3.77853	0.0360396	Down
NM_013688	Tcte1	-3.8853	1	-4.47753	15.2907	0.630975	Down
NM_001177545	Zfp600	-3.88233	1	-5.339	3.66274	0.0692295	Down
NM_175350	Tmem146	-3.87522	1	-5.10424	9.07503	0.223909	Down
NM_008092	Gata4	-3.87247	1	-6.64103	2.1978	0	Down

NM_198601	Trim52	-3.87247	1	-6.64103	2.41879	0	Down
NM_001034876	Ccdc24	-3.87162	1	-4.84034	20.2159	0.617436	Down
NM_027587	Micalcl	-3.86916	1	-4.39746	23.8416	1.04826	Down
NM_030187	Ak7	-3.85954	1	-5.13407	6.82734	0.162476	Down
NM_001079929	Ccdc154	-3.85868	1	-5.62761	3.05645	0.0297025	Down
NM_001195767	Gm6772	-3.85469	1	-5.12932	10.799	0.257843	Down
NM_146248	Cchcr1	-3.85256	1	-4.35037	23.694	1.07997	Down
NM_153123	Atf7ip2	-3.84806	1	-5.49101	3.91079	0.0555658	Down
NM_001033446	Gm949	-3.84478	1	-6.61407	3.25668	0	Down
NM_028737	4931406B18Rik	-3.84478	1	-5.61407	1.84326	0.0180834	Down
NM_023249	Ypel1	-3.84211	1	-4.16719	51.9486	2.72692	Down
NM_029283	Fam183b	-3.83951	1	-4.58332	54.5639	2.04387	Down
NM_001145969	Rwdd2a	-3.83565	1	-4.80501	20.6287	0.645708	Down
NM_001163359	Figl1	-3.83521	1	-4.40971	16.1461	0.700046	Down
NM_027972	Ccdc19	-3.83019	1	-4.45418	22.6445	0.945655	Down
NR_027980	1700001L05Rik	-3.8273	1	-4.07201	39.0782	2.20049	Down
NM_053264	4930444G20Rik	-3.82701	1	-5.21407	9.4339	0.202456	Down
NM_018873	Srcin1	-3.81944	1	-4.71318	3.68227	0.123689	Down
NM_028131	Cenpn	-3.81944	1	-4.71318	14.5062	0.487269	Down
NM_001048189	Agbl4	-3.8194	1	-5.36188	6.61784	0.115543	Down
NM_029594	Ii31	-3.81737	1	-5.46105	12.2178	0.177262	Down
NM_029303	Pfn3	-3.81655	1	-5.58658	13.1713	0.131727	Down
NM_023850	Chst1	-3.81343	1	-5.27158	5.40497	0.107071	Down
NM_015789	Dkk11	-3.81204	1	-4.02418	338.277	19.7167	Down
NM_001081432	Ptprq	-3.807	1	-5.45093	1.39228	0.0203431	Down
NM_001170788	Lrrc36	-3.80519	1	-4.8738	10.0594	0.297764	Down
NM_029458	Hormad2	-3.80224	1	-6.57265	5.29313	0	Down
NM_001170913	Trim66	-3.79883	1	-4.63721	2.83139	0.100841	Down
NM_175333	Slc25a41	-3.79655	1	-5.44073	7.95841	0.117114	Down
NM_010167	Eya4	-3.79594	1	-4.5024	7.90613	0.315257	Down
NM_027963	Wdr16	-3.79453	1	-4.23323	34.7673	1.72872	Down
NM_001085537	Gm14501	-3.7925	1	-4.86134	44.6087	1.33193	Down
NM_029617	Casc5	-3.78307	1	-4.38629	6.51536	0.286064	Down
NM_011020	Hspa4l	-3.77599	1	-4.00861	70.261	4.13635	Down
NM_008552	Mas1	-3.77486	1	-5.05105	8.05341	0.203045	Down
NM_025929	2010109I03Rik	-3.77317	1	-5.54436	3.69332	0.038045	Down
NM_026233	4933434I20Rik	-3.77317	1	-5.54436	5.39419	0.0555658	Down
NM_027702	4933421I07Rik	-3.77317	1	-5.54436	5.07596	0.0522877	Down
NM_027704	Zdhhc11	-3.77317	1	-6.54436	5.35687	0	Down
NM_029370	1700020C07Rik	-3.77047	1	-5.22955	17.9795	0.366748	Down
NM_001033184	1700057G04Rik	-3.76877	1	-5.31241	11.3284	0.204727	Down
NM_001038995	Gm4787	-3.76603	1	-4.10967	47.4392	2.58862	Down
NM_008868	Pla2g2c	-3.76589	1	-4.99699	13.3528	0.354962	Down
NM_029681	Wbscr28	-3.76318	1	-5.22243	15.0303	0.308116	Down
NM_019465	Crtam	-3.76172	1	-5.09002	9.54749	0.229609	Down
NM_023219	Slc5a4b	-3.75841	1	-5.53	3.23621	0.0336731	Down
NM_177705	4932411N23Rik	-3.75841	1	-5.53	2.02691	0.0210902	Down
NM_178738	Prss35	-3.75841	1	-6.53	2.73468	0	Down
NM_027598	4921524L21Rik	-3.75149	1	-5.29554	7.95818	0.145522	Down
NM_032004	Tssk6	-3.74432	1	-4.26728	41.153	1.98196	Down
NM_025619	1700019L03Rik	-3.74406	1	-4.38067	22.4682	0.985786	Down
NR_029414	Gsdmcl-ps	-3.74109	1	-5.20084	7.14985	0.14879	Down
NM_028901	Myo18b	-3.73506	1	-4.44235	3.75399	0.156067	Down
NM_001177504	Gm6588	-3.73287	1	-5.06178	7.593	0.186228	Down
NM_025744	4933404M02Rik	-3.73078	1	-4.70206	13.4285	0.451516	Down
NM_001033782	Gm5592	-3.72842	1	-6.50086	2.22889	0	Down
NM_027512	3830417A13Rik	-3.72842	1	-6.50086	4.09958	0	Down
NR_001582	Speer5-ps1	-3.72842	1	-6.50086	4.72082	0	Down
NM_010059	Dmc1	-3.72517	1	-5.26985	5.27784	0.0982541	Down
NM_175430	Ccdc40	-3.72365	1	-4.25344	10.3861	0.504656	Down
NM_028222	Cdkn3	-3.72262	1	-4.99989	24.8839	0.650112	Down
NM_027027	Asb9	-3.71866	1	-5.17893	12.048	0.254578	Down
NM_016743	Nell2	-3.71729	1	-4.99467	5.69218	0.149254	Down
NM_028483	Cib4	-3.71319	1	-6.48606	8.71162	0	Down
NM_029054	4930443G12Rik	-3.71319	1	-5.48606	4.35014	0.0466781	Down
NM_029232	Tmco5b	-3.71319	1	-5.48606	5.40867	0.0580364	Down
NM_173435	4930595M18Rik	-3.71319	1	-6.48606	2.5295	0	Down
NM_029444	4930447C04Rik	-3.71111	1	-5.17155	7.07876	0.150348	Down
NR_024208	Sycp1-ps1	-3.71012	1	-5.35647	2.95518	0.0461233	Down
NM_029335	1700026D08Rik	-3.70998	1	-4.22693	41.4172	2.05276	Down
NM_024245	Kif23	-3.70646	1	-4.5464	7.18295	0.272491	Down
NM_001033250	Lemd1	-3.70592	1	-5.0956	15.6685	0.365163	Down
NM_028735	Ttc21a	-3.70453	1	-4.30868	9.63236	0.446333	Down
NM_172476	Tmc7	-3.70248	1	-4.06185	23.2517	1.31023	Down
NM_021470	Rnf32	-3.70164	1	-4.18494	54.4574	2.78863	Down
NM_198651	4430402I18Rik	-3.70075	1	-4.04134	53.6299	3.06913	Down

NM_183272	Fam24a	-3.69837	1	-5.2437	30.6198	0.58052	Down
NM_029067	Spata17	-3.69554	1	-4.6675	21.429	0.738038	Down
NM_001040137	Pdzd9	-3.69301	1	-4.14446	51.2062	2.70501	Down
NM_172553	Alx1	-3.69256	1	-5.08254	6.12224	0.143985	Down
NM_172916	Hydin	-3.68945	1	-4.0956	5.22377	0.286563	Down
NM_029326	1700018L24Rik	-3.68767	1	-5.33461	11.6904	0.185267	Down
NM_029562	Cyp2d26	-3.68767	1	-5.33461	5.50765	0.0872839	Down
NM_001111142	Gm88	-3.68224	1	-5.456	4.73348	0.0518721	Down
NM_028568	Dusp21	-3.68224	1	-5.456	7.96007	0.0872308	Down
NM_029947	Prdm8	-3.68224	1	-5.456	2.1004	0.0230173	Down
NR_038130	4930474N09Rik	-3.68224	1	-5.456	5.57069	0.0610467	Down
NM_029659	Stylx1	-3.6821	1	-4.65433	13.753	0.478027	Down
NM_001177579	Gm10471	-3.68022	1	-5.226	3.35744	0.0644443	Down
NM_177651	4933409G03Rik	-3.67907	1	-5.06937	11.2945	0.268077	Down
NM_011401	Slc2a3	-3.67485	1	-3.80562	180.314	12.2583	Down
NM_001204914	Reep2	-3.67295	1	-4.74413	11.5429	0.373911	Down
NM_177890	Gm5114	-3.67229	1	-5.06273	4.94049	0.117806	Down
NM_001136086	Dpysl3	-3.67178	1	-3.9965	62.3938	3.68715	Down
NM_175240	Fam187b	-3.67056	1	-4.14918	40.529	2.12857	Down
NM_030690	Rai14	-3.6688	1	-3.88807	53.308	3.41373	Down
NM_203660	Gm5136	-3.66653	1	-5.44073	5.80255	0.0642712	Down
NR_015571	4930471G03Rik	-3.66547	1	-5.05607	22.3976	0.536554	Down
NM_023047	Dpysl5	-3.66183	1	-5.20807	2.20697	0.0428944	Down
NM_026915	Lyzl4	-3.65733	1	-4.93599	18.4728	0.504555	Down
NM_022311	Tcte2	-3.65579	1	-4.26054	27.6693	1.32569	Down
NM_145688	Ccdc46	-3.65494	1	-4.4253	22.2705	0.927552	Down
NM_001033252	Gm732	-3.65335	1	-5.30118	5.32872	0.0864431	Down
NR_015547	1700009J07Rik	-3.65318	1	-4.25796	42.5478	2.04219	Down
NM_019497	Grk4	-3.65272	1	-4.88615	8.30643	0.238508	Down
NM_029974	Dcst1	-3.65205	1	-4.30216	14.7706	0.683132	Down
NM_001079931	Gm5347	-3.65062	1	-5.4253	2.50068	0.0279996	Down
NM_175008	4930474N05Rik	-3.65062	1	-6.4253	7.64213	0	Down
NM_001042421	Kntc1	-3.64921	1	-5.11111	1.86222	0.0412533	Down
NM_001037928	Gm11992	-3.64616	1	-4.92506	7.60815	0.20939	Down
NM_016777	Nasp	-3.64334	1	-3.79911	161.172	11	Down
NM_028742	Iftd1	-3.64272	1	-4.97361	10.7674	0.280799	Down
NM_026470	Spata6	-3.64194	1	-3.90074	76.6679	4.8587	Down
NM_029198	4930538K18Rik	-3.63909	1	-4.40971	17.0062	0.716	Down
NM_001101628	Iqcf6	-3.63455	1	-6.40971	13.3799	0	Down
NM_153172	Prss45	-3.6333	1	-5.0956	10.4087	0.233088	Down
NR_028391	BB031773	-3.62774	1	-4.8216	5.81569	0.176777	Down
NM_029314	1700013F07Rik	-3.62691	1	-4.86088	33.1983	0.970148	Down
NM_001033479	Gm1527	-3.6183	1	-6.39394	2.95866	0	Down
NM_001161742	Hsd3b3	-3.6183	1	-5.39394	3.54571	0.0405828	Down
NM_009440	Tsx	-3.6183	1	-5.39394	7.69615	0.0880871	Down
NM_175674	Vmn2r7	-3.6183	1	-5.39394	2.52511	0.0289014	Down
NR_003962	Vmn2r-ps11	-3.6183	1	-6.39394	2.77416	0	Down
NR_033590	Gm8096	-3.6183	1	-5.39394	3.77853	0.0432476	Down
NM_080850	Pask	-3.61292	1	-3.93511	23.6485	1.45854	Down
NM_019670	Diap3	-3.6122	1	-4.45383	6.56097	0.265439	Down
NM_023146	Ranbp17	-3.61041	1	-3.9812	18.5588	1.10514	Down
NM_001081648	Gm15107	-3.60912	1	-5.07201	6.22013	0.1416	Down
NM_007430	Nr0b1	-3.60186	1	-5.378	3.45745	0.0400173	Down
NM_025357	Smpx	-3.60186	1	-6.378	6.58458	0	Down
NM_027709	Clec12b	-3.60186	1	-6.378	4.07267	0	Down
NR_027829	Gm10638	-3.60012	1	-4.32724	19.9561	0.896069	Down
NM_001198987	Gm15097	-3.5956	1	-5.14353	5.30197	0.107794	Down
NM_001177784	Dis3l	-3.59538	1	-3.86477	47.5197	3.08604	Down
NM_001085530_2	Gm13298	-3.59511	1	-4.09002	13.0442	0.712695	Down
NM_001033438	Gm906	-3.58997	1	-4.82474	6.08044	0.182211	Down
NM_001014976	Espl1	-3.58877	1	-4.28189	4.41494	0.205736	Down
NM_029588	1700012L04Rik	-3.58868	1	-4.78339	39.4263	1.2307	Down
NM_031384	Tex11	-3.58589	1	-5.13407	3.23804	0.0662686	Down
NM_009979	Cst9	-3.58388	1	-4.17027	57.2986	2.93024	Down
NM_173384	Sox30	-3.58268	1	-4.3844	7.86518	0.335584	Down
NM_001002238	Tdrd1	-3.57929	1	-4.02	13.4309	0.774302	Down
NM_001146328	Rbm46	-3.57802	1	-4.20519	19.4003	0.963099	Down
NM_008457	Klk1b8	-3.57754	1	-4.65072	24.4912	0.846592	Down
NM_009521	Wnt3	-3.57623	1	-5.03995	3.96008	0.0921874	Down
NM_175031	Stk36	-3.57531	1	-4.18111	7.04386	0.356623	Down
NM_001039475	Slco6b1	-3.57255	1	-4.17838	14.8678	0.754168	Down
NM_015826	Dmrt1	-3.5684	1	-6.34558	2.6936	0	Down
NM_145399	Scgn	-3.5684	1	-5.34558	4.29715	0.0508795	Down
NR_037989	LOC100504525	-3.5684	1	-5.34558	6.84344	0.0810282	Down
NM_001159275	Slc25a2	-3.55869	1	-4.75404	15.0673	0.480029	Down
NM_172701	Oscp1	-3.55143	1	-3.97799	31.9966	1.90153	Down

NM_029693	1700123K08Rik	-3.55138	1	-5.32909	5.72454	0.0685683	Down
NM_153193	Hsd3b2	-3.55138	1	-6.32909	3.32977	0	Down
NM_183015	Ccnb3	-3.55138	1	-5.32909	1.31612	0.0157644	Down
NM_183109	Tmprss12	-3.55138	1	-5.32909	4.44299	0.0532179	Down
NM_027029	Spata3	-3.5509	1	-3.97078	94.7563	5.66266	Down
NM_027419	2810408A11Rik	-3.55033	1	-3.87899	66.9036	4.28859	Down
NR_027945	4930511M06Rik	-3.54516	1	-5.196	9.38786	0.163906	Down
NM_178914	Spata7	-3.54408	1	-3.86111	58.9842	3.83074	Down
NM_021317	Dnajb7	-3.54006	1	-3.95682	60.1733	3.63192	Down
NM_001177767	Gm13138	-3.53991	1	-4.87321	3.85246	0.10774	Down
NM_025778	Bcl2l14	-3.53904	1	-3.83958	59.3018	3.91293	Down
NM_001037744	Timm8a2	-3.53416	1	-6.31241	6.47421	0	Down
NM_028918	Ttc25	-3.53104	1	-4.03792	17.5593	0.993559	Down
NM_028844	Aven	-3.5287	1	-4.07481	30.4876	1.67428	Down
NM_198117	Pcdha2	-3.52805	1	-4.72409	3.70292	0.120455	Down
NM_026560	Cdca8	-3.52225	1	-4.59664	12.3013	0.441519	Down
NM_175286	Tprn	-3.51714	1	-3.93412	25.018	1.534	Down
NM_029062	4930521A18Rik	-3.51673	1	-5.29554	4.04017	0.0495452	Down
NR_027803	D6Erd474e	-3.51673	1	-6.29554	2.12032	0	Down
NR_036630	Gm1082	-3.51673	1	-5.29554	2.2108	0.0271114	Down
NM_144524	Angel1	-3.51546	1	-3.87843	23.6051	1.51041	Down
NM_027407	Ica1l	-3.51469	1	-3.99012	15.0842	0.885094	Down
NM_013783	Mmel1	-3.51103	1	-4.79304	5.6713	0.171105	Down
NM_029368	1700029F09Rik	-3.50895	1	-3.94298	51.2918	3.12135	Down
NM_001103158	Gm13242	-3.50621	1	-4.84034	3.77285	0.107956	Down
NM_007789	Ncan	-3.50571	1	-5.05607	1.39075	0.0300548	Down
NM_001007463	Spag8	-3.50558	1	-4.27846	18.7226	0.863564	Down
NM_172850	Ankmy1	-3.50481	1	-4.157	9.52019	0.487019	Down
NM_198660	E230008N13Rik	-3.50008	1	-4.47611	3.95032	0.155422	Down
NM_001177365	Gm9112	-3.49908	1	-6.27846	12.6576	0	Down
NM_172420	Ppp1r1c	-3.49908	0	-6.27846	2.18779	0	Down
NM_028169	Fam71e1	-3.4948	1	-3.96118	66.3273	3.97429	Down
NM_027585	4921517L17Rik	-3.49461	1	-3.9962	23.3964	1.36355	Down
NM_001007569	Pnmal1	-3.49436	1	-5.14667	4.70954	0.0851108	Down
NM_177005	Glt1d1	-3.49057	1	-4.95653	7.4655	0.184197	Down
NM_133348	Acot7	-3.4882	1	-3.86463	55.8383	3.60396	Down
NM_177384	Ttc16	-3.4875	1	-3.93301	22.8053	1.39608	Down
NM_001166384_2	Rbmy1a1	-3.48122	1	-6.26118	3.61698	0	Down
NM_172878	Ttc34	-3.47868	1	-4.8135	4.61716	0.134608	Down
NM_145825	Cetn4	-3.47665	1	-3.94323	52.5165	3.18619	Down
NM_001033460	Ccdc164	-3.4755	1	-4.67274	7.7094	0.259903	Down
NR_038035	4930444F02Rik	-3.47515	1	-4.37553	23.473	0.997097	Down
NR_033197	4933427E11Rik	-3.47172	1	-4.80671	12.113	0.354815	Down
NM_001013575	Olfrr112	-3.46827	1	-5.12136	2.45846	0.0452227	Down
NM_001122734	Gm15085	-3.46795	1	-4.86343	6.46069	0.176999	Down
NM_011022	Ott	-3.46795	1	-4.86343	6.46069	0.176999	Down
NM_170599	Igsf11	-3.46569	1	-4.23929	6.65882	0.315611	Down
NM_001080966	Aurkc	-3.46312	1	-5.2437	3.92568	0.0499242	Down
NM_001081391	Csmcd3	-3.46312	1	-5.2437	0.433507	0.00551305	Down
NM_001100444	Gm5934	-3.46312	1	-5.2437	2.18127	0.0277399	Down
NM_028602	Tex19.1	-3.46312	1	-5.2437	3.24619	0.0412829	Down
NM_028968	Ifitm7	-3.46312	1	-5.2437	3.09661	0.0393807	Down
NM_001012273	Birc5	-3.45992	1	-4.36063	5.87575	0.252193	Down
NM_025499	Eid3	-3.45577	1	-3.70003	142.005	10.3502	Down
NM_028561	Speer4b	-3.45505	1	-5.10854	3.91296	0.0726262	Down
NM_001077684	4930578N16Rik	-3.4547	1	-3.91709	32.2093	1.99074	Down
NM_008432	Kcnu1	-3.4481	1	-4.4253	5.48701	0.223648	Down
NM_029285	1700001C02Rik	-3.44809	1	-4.73164	22.4153	0.70581	Down
NM_001033765	1700071K01Rik	-3.44481	1	-5.226	5.37132	0.0691628	Down
NM_177735	Tmem130	-3.44481	1	-6.226	2.0393	0	Down
NM_080637	Nme5	-3.4399	1	-4.00249	46.5741	2.68458	Down
NM_027717	Dydc2	-3.4379	1	-4.67622	29.1957	0.970148	Down
NM_028829	Paqr8	-3.42689	1	-4.08026	6.62241	0.357331	Down
NM_016902	Nphp1	-3.42618	1	-3.58443	185.704	14.7076	Down
NM_175217	Mmd2	-3.42347	1	-4.05286	14.5491	0.802881	Down
NM_001163028	Bcmo1	-3.42082	1	-4.97361	3.71586	0.0850604	Down
NM_001042715	Ccdc135	-3.41997	1	-4.65873	6.02923	0.202799	Down
NM_177034	Apba1	-3.41887	1	-3.98994	5.59057	0.324748	Down
NM_177589	Ulk4	-3.41765	1	-3.6591	45.3055	3.39766	Down
NM_025492	1700020L24Rik	-3.41761	1	-4.22243	22.6072	1.07956	Down
NM_029245	Ankrd53	-3.41325	1	-4.31499	11.1942	0.495965	Down
NM_010438	Hk1	-3.41285	1	-3.54573	142.616	11.6091	Down
NM_001037927	Wdr93	-3.41042	1	-4.48741	8.11305	0.314184	Down
NM_009326	Tcea2	-3.40844	1	-3.88038	44.824	2.83954	Down
NM_009570	Zfy1	-3.40746	1	-6.18993	1.9519	0	Down
NM_027609	Speer4f	-3.40746	1	-5.18993	4.41238	0.0582719	Down

NR_015603	4930483J18Rik	-3.40746	1	-5.18993	4.96897	0.0656225	Down
NM_010174	Fabp3	-3.40733	1	-4.07417	43.5581	2.35564	Down
NM_022983	Lpar3	-3.4009	1	-5.05607	2.99003	0.0575709	Down
NM_008043	Frat1	-3.39778	1	-3.90629	17.2766	1.0711	Down
NM_029766	Dtl	-3.39614	1	-3.93677	9.6031	0.580888	Down
NM_009051	Rex2	-3.389	1	-4.67405	3.81214	0.129497	Down
NM_001193266	Mdga2	-3.38841	1	-5.17155	0.545694	0.00730028	Down
NM_009375	Tg	-3.38841	1	-5.17155	0.636126	0.00851007	Down
NM_029598	1700019B03Rik	-3.38765	1	-4.94143	5.70333	0.133523	Down
NR_033641	4933436C20Rik	-3.38703	1	-5.04265	5.94324	0.115512	Down
NM_020330	Adam21	-3.38245	1	-4.15761	7.3739	0.369929	Down
NM_032610	Spnb4	-3.38228	1	-4.6675	1.74691	0.0575182	Down
NM_008301	Hspa2	-3.37921	1	-3.5224	192.735	15.9411	Down
NR_001585	Speer7-ps1	-3.37642	1	-4.93054	8.43008	0.198867	Down
NM_173762	Cenpe	-3.37351	1	-3.87104	5.92296	0.376735	Down
NM_001033799	4930428D18Rik	-3.36912	1	-5.15293	4.80205	0.065087	Down
NM_007866	Dll3	-3.36912	1	-5.15293	2.44876	0.0331905	Down
NM_028938	Lrriq3	-3.36837	1	-3.83177	19.8296	1.30036	Down
NM_175366	Mex3b	-3.36664	1	-4.21322	5.71254	0.273209	Down
NM_144783	Wt1	-3.36142	1	-4.831	3.44858	0.0928732	Down
NM_139117	Csda	-3.35936	1	-3.51149	233.221	19.4321	Down
NM_175138	Dnaic1	-3.35268	1	-4.5529	7.07841	0.259381	Down
NM_001081228	Ttc30a2	-3.35227	1	-3.63603	64.8686	4.93384	Down
NM_001177534	LOC100271928	-3.34955	1	-5.13407	5.49629	0.07549	Down
NM_181857	Poln	-3.34387	1	-4.32355	6.23075	0.272593	Down
NM_029045	4930432K21Rik	-3.34379	1	-4.01168	10.7026	0.604495	Down
NM_001198933	Me1	-3.34322	1	-3.69584	25.7665	1.87281	Down
NM_001164355	Ska1	-3.34221	1	-4.89737	3.42445	0.0826767	Down
NM_029336	1700022P22Rik	-3.34098	1	-4.5415	40.8713	1.50962	Down
NM_012025	Racgap1	-3.33228	1	-4.00036	8.74037	0.497561	Down
NM_001034864	Gm4907	-3.33218	1	-4.80262	7.98011	0.219209	Down
NM_015785	Zbbp	-3.33216	1	-3.63789	29.0372	2.20321	Down
NM_028491	1700040L02Rik	-3.33118	1	-3.77844	44.2477	3.01545	Down
NM_029152	Efcab10	-3.33023	1	-4.98768	10.5314	0.212714	Down
NR_004441	Gprc2a-rs5	-3.32973	1	-5.11496	1.74705	0.0243194	Down
NM_001168506	Zfp574	-3.32661	1	-3.67206	21.3456	1.57801	Down
NR_033553	1700048O20Rik	-3.32229	1	-4.79304	5.61918	0.155392	Down
NM_153075	Catsper2	-3.32035	1	-3.61685	52.2619	4.02566	Down
NM_027077	1700016C15Rik	-3.31235	1	-4.78339	13.7711	0.383396	Down
NM_001039392	Tmsb10	-3.31087	1	-3.62439	167.775	12.8444	Down
NM_001142952	Fam46c	-3.30739	1	-3.51426	114.208	9.48249	Down
NM_016706	Coil	-3.30558	1	-3.64268	35.0202	2.64363	Down
NM_029801	1700021C14Rik	-3.30545	1	-3.66626	167.06	12.388	Down
NM_027749	Cpvl	-3.30097	1	-4.95939	4.36946	0.09002	Down
NM_029464	4930588N13Rik	-3.30097	1	-4.95939	6.37047	0.131245	Down
NM_001163433	Samd4	-3.29702	1	-3.61333	15.512	1.19652	Down
NM_028665	Ankrd42	-3.29672	1	-3.53487	63.1295	5.16111	Down
NM_153457	Rtn1	-3.29439	1	-4.5364	4.46241	0.16344	Down
NM_027037	1700007K09Rik	-3.29411	1	-4.07102	29.8979	1.59299	Down
NM_145987	Tmem82	-3.29319	1	-4.49495	8.19718	0.312739	Down
NR_027915	1700120K04Rik	-3.29224	1	-4.76389	18.7388	0.528847	Down
NM_026273	4930453N24Rik	-3.28383	1	-3.45277	253.691	22.0065	Down
NM_011571	Tesk1	-3.28328	1	-3.48702	64.9184	5.4934	Down
NM_001033548	6030429G01Rik	-3.27934	1	-3.89995	13.34	0.819906	Down
NM_027581	Lrrc63	-3.27242	1	-3.737	19.5328	1.36799	Down
NM_008171	Grin2b	-3.27125	1	-4.82866	1.13292	0.0286973	Down
NM_011465	Spna1	-3.27125	1	-4.82866	1.0116	0.0256244	Down
NM_025853	Dsn1	-3.27099	1	-3.96936	10.3181	0.597472	Down
NM_001102677	Gm1993	-3.26857	1	-6.05607	4.37507	0	Down
NM_001167581	Gsdmcl1	-3.26857	1	-5.05607	4.36734	0.0633636	Down
NM_178734	Zfp473	-3.26857	1	-6.05607	1.30045	0	Down
NM_153122	Oplah	-3.26724	1	-3.66074	16.8	1.24775	Down
NM_001134299	Gm10220	-3.26165	1	-4.60235	4.27406	0.144352	Down
NM_001039507	Lipe	-3.26085	1	-3.58449	34.4828	2.71251	Down
NM_183111	Rfpl3s	-3.25756	1	-4.16299	22.087	1.08774	Down
NM_023670	Igf2bp3	-3.25703	1	-3.64548	15.6156	1.17257	Down
NM_029463	4930568D16Rik	-3.24758	1	-6.03589	3.97596	0	Down
NM_172967	4930503L19Rik	-3.24754	1	-3.67742	24.3971	1.78616	Down
NM_029297	Dynlrb2	-3.24641	1	-4.32758	32.2076	1.394	Down
NM_172301	Ccnb1	-3.24495	1	-3.91455	10.7729	0.650954	Down
NR_033506	Gm3893	-3.24049	1	-3.55075	28.8263	2.32301	Down
NM_029249	4930547N16Rik	-3.23984	1	-4.14571	4.76402	0.237456	Down
NM_011121	Plk1	-3.23721	1	-4.57864	5.69438	0.195527	Down
NM_001033170	Fam83e	-3.23623	1	-3.92009	8.24299	0.49511	Down
NM_001134741	Tdrd5	-3.23582	1	-3.65585	16.8162	1.25071	Down
NM_001142953	LOC100233207	-3.23441	1	-4.79304	10.6737	0.277185	Down

NM_028913	Zfp819	-3.23441	1	-4.79304	3.43842	0.0892923	Down
NM_007487	Arl4a	-3.23159	1	-3.43218	64.0901	5.63413	Down
NM_007699	Chrm4	-3.22629	1	-5.01543	1.73729	0.025936	Down
NM_008821	Pet2	-3.22629	1	-6.01543	1.14988	0	Down
NM_009605	Adipoq	-3.22629	1	-6.01543	3.90326	0	Down
NM_178280	Sall3	-3.22629	1	-5.01543	0.698144	0.0104226	Down
NR_033783	4933429O19Rik	-3.22629	1	-6.01543	2.952	0	Down
NM_153782	Fam20a	-3.22566	1	-4.03454	7.26825	0.395543	Down
NM_026222	Ccdc39	-3.21072	1	-3.42201	57.8783	5.12225	Down
NM_011356	Frzb	-3.20469	1	-5.99467	1.62299	0	Down
NM_001082966	Gm15114	-3.20398	1	-4.5464	6.21376	0.21821	Down
NM_027187	Rnaseh2a	-3.20351	1	-3.41328	103.346	9.20217	Down
NM_001114383	Luzp4	-3.20186	1	-4.60496	5.40335	0.177262	Down
NM_001164362	Cep55	-3.19911	1	-4.40342	5.75516	0.234016	Down
NM_029219	Rnf19b	-3.19797	1	-3.49222	43.5443	3.6576	Down
NM_054053	Gpr98	-3.19354	1	-3.768	1.64425	0.111431	Down
NM_027024	Cst13	-3.1909	1	-3.78305	39.2649	2.62764	Down
NM_008859	Prkcq	-3.18866	1	-3.905	6.45811	0.390051	Down
NR_028121	4930583H14Rik	-3.18728	1	-4.66225	6.63278	0.200954	Down
NM_008949	Psmc3ip	-3.18517	1	-3.67464	45.8824	3.34817	Down
NM_001037716	Gm10439	-3.1838	1	-4.74413	4.4452	0.119453	Down
NM_001081219	Myo1a	-3.18275	1	-5.97361	1.39261	0	Down
NM_001201395	4930468A15Rik	-3.18275	1	-4.97361	4.65546	0.0715762	Down
NM_013741	Smok2a	-3.18275	1	-4.97361	2.613	0.040174	Down
NM_007530	Bcap29	-3.18215	1	-3.44716	68.1593	5.91522	Down
NM_029428	Adad2	-3.17759	1	-4.84034	3.3256	0.074472	Down
NM_027404	Bag5	-3.17242	1	-3.33601	157.062	14.7755	Down
NM_011973	Stk30	-3.17097	1	-3.61258	29.9272	2.28985	Down
NM_028669	4930415F15Rik	-3.17086	1	-4.73164	10.5511	0.28602	Down
NM_001111141	Gm505	-3.167	1	-3.49008	42.817	3.59633	Down
NM_028536	1700054N08Rik	-3.16674	1	-3.76879	10.742	0.725161	Down
NM_026412	D2Erd750e	-3.16596	1	-3.69628	11.5782	0.828889	Down
NM_001081294	Prr19	-3.16533	1	-4.64103	7.22262	0.222091	Down
NM_028434	2900092C05Rik	-3.16533	1	-4.64103	10.974	0.337443	Down
NM_023729	Asz1	-3.16404	1	-4.40971	8.251	0.330073	Down
NM_001110853	Crem	-3.16287	1	-3.4701	45.6929	3.89487	Down
NM_009445	Ttk	-3.16133	1	-4.50506	4.10382	0.148328	Down
NM_001034856	4930430D24Rik	-3.16048	1	-4.95223	3.85237	0.0601264	Down
NM_013475	Apoh	-3.16048	1	-4.95223	3.87836	0.060532	Down
NM_028910	Olfrc701	-3.16048	1	-5.95223	1.50171	0	Down
NR_038077	1700001G11Rik	-3.1597	1	-4.36512	20.1194	0.840206	Down
NM_172770	Ttc12	-3.1585	1	-3.62458	12.537	0.949302	Down
NM_001101484	Gm4984	-3.15302	1	-4.35863	16.4202	0.688826	Down
NM_027891	Lrwd1	-3.15093	1	-3.41388	60.8334	5.40327	Down
NM_021491	Smpd3	-3.14581	1	-3.95653	3.398	0.195236	Down
NM_027438	Pnma1	-3.14496	1	-3.92506	7.74038	0.456492	Down
NM_130891	Grip1	-3.14256	1	-3.73552	8.95316	0.619269	Down
NM_172875	Adc	-3.14225	1	-3.4437	53.0423	4.60631	Down
NM_001025240	Gm5346	-3.13785	1	-5.93054	2.04887	0	Down
NM_001039558	C030030A07Rik	-3.13785	1	-4.93054	2.20762	0.0349859	Down
NM_001114333	Gm1	-3.13785	1	-4.93054	0.648075	0.0102705	Down
NM_001199301	Cacng5	-3.13785	1	-5.93054	1.20128	0	Down
NR_003107	Gm9731	-3.13785	1	-5.93054	3.91872	0	Down
NR_036629	Efcab8	-3.13785	1	-5.93054	3.09641	0	Down
NM_026668	Lrriq4	-3.13558	1	-3.76977	10.7444	0.72182	Down
NM_026209	1810063B07Rik	-3.13438	1	-3.48723	32.6383	2.74202	Down
NM_175105	Aqp11	-3.13356	1	-3.42111	83.6632	7.38546	Down
NM_001033260	Stox1	-3.13148	1	-3.6437	12.1322	0.902594	Down
NM_001101510	Susd5	-3.12847	1	-4.79304	1.6011	0.037063	Down
NM_025687	Tex12	-3.12847	1	-4.79304	10.053	0.23271	Down
NM_138662	Pcdha3	-3.12769	1	-4.37443	2.67845	0.109814	Down
NM_023597	Wdr31	-3.12587	1	-3.5133	47.3912	3.90109	Down
NM_021397	Zbtb32	-3.11978	1	-3.72265	15.6662	1.09203	Down
NM_001198988	Gm15080	-3.1174	1	-4.46249	5.70184	0.212295	Down
NM_001081668	Nup62cl	-3.11488	1	-4.90851	3.95421	0.0636445	Down
NM_022987	Zic5	-3.11488	1	-4.90851	1.87174	0.0301263	Down
NM_172583	Tmem63c	-3.11488	1	-5.90851	1.33824	0	Down
NM_001099920_4	Gm15093	-3.11289	1	-4.36008	6.859	0.284039	Down
NM_001039095	Glt6d1	-3.1123	1	-4.3191	13.7342	0.592226	Down
NM_001190403	Amy2b	-3.11171	1	-4.77692	4.3404	0.101615	Down
NM_027741	Mro	-3.11171	1	-4.77692	2.79917	0.0655326	Down
NM_010343	Gpx5	-3.11116	1	-3.13553	8474.13	917.902	Down
NM_008172	Grin2d	-3.10844	1	-4.45383	2.62362	0.0982765	Down
NM_001033550	Lrrc8b	-3.10643	1	-3.30482	77.8863	7.47981	Down
NR_033616	Pldi	-3.10438	1	-4.6675	8.90566	0.252489	Down
NR_028107	1700058G18Rik	-3.10388	1	-3.61074	50.0716	3.8136	Down

NM_001146342	Rnls	-3.09979	1	-3.53505	36.0585	2.91326	Down
NM_029343	Spata9	-3.09886	1	-3.83516	18.3333	1.15902	Down
NM_138593	Larp7	-3.09753	1	-3.31321	88.3237	8.42808	Down
NM_020049	Slc6a14	-3.09152	1	-5.88615	1.27933	0	Down
NM_198415	Ckmt2	-3.08408	1	-4.49101	6.80045	0.241558	Down
NM_173012	Letm2	-3.08213	1	-3.43555	34.5478	3.00838	Down
NM_133817	Zfp451	-3.0813	1	-3.2825	58.0838	5.6646	Down
NM_029774	Ttll11	-3.08126	1	-3.70534	8.02884	0.564927	Down
NM_172715	Agpat9	-3.08125	1	-4.42752	3.92432	0.14972	Down
NM_001093775	Myt11	-3.07761	1	-4.74413	0.832675	0.0199475	Down
NM_001128634	Tppp2	-3.0774	1	-3.54911	67.3624	5.37289	Down
NM_001135198	Ccdc36	-3.07521	1	-4.32355	4.71753	0.200394	Down
NM_145150	Prc1	-3.06953	1	-3.48845	17.4059	1.45442	Down
NR_033657	Miat	-3.06778	1	-4.86343	0.493261	0.00819532	Down
NM_028980	Ppp4r4	-3.06642	1	-3.76879	5.56332	0.370358	Down
NM_020252	Nrxn1	-3.06297	1	-4.62761	0.817196	0.0238244	Down
NM_028971	4933430H15Rik	-3.06148	1	-3.37092	23.0679	2.1062	Down
NM_027094	Dydc1	-3.06026	1	-4.72745	5.95367	0.144303	Down
NM_025495	Cenpp	-3.05773	1	-3.81549	17.0596	1.08981	Down
NM_027733	Spata24	-3.05552	1	-3.28179	234.404	22.8518	Down
NM_177293	Mtap7d3	-3.05307	1	-4.46105	3.54075	0.128427	Down
NM_001199270	Aldoat1	-3.04526	1	-3.3991	34.4729	3.07876	Down
NM_001177626	Ect2	-3.04448	1	-3.63919	6.75453	0.49954	Down
NM_029376	Speer4a	-3.04418	1	-4.39167	7.32634	0.286591	Down
NM_001111119	Ccnb1ip1	-3.04366	1	-4.84034	2.81914	0.0476067	Down
NR_038029	1700061117Rik	-3.04366	1	-4.84034	2.1668	0.0365907	Down
NM_001034858	Armc2	-3.04309	1	-3.59634	6.36177	0.487069	Down
NM_001101644	Gm4535	-3.03565	1	-3.4754	59.2214	4.98548	Down
NM_010615	Kif11	-3.03483	1	-3.72265	4.32417	0.29795	Down
NM_009185	Stil	-3.03383	1	-3.70748	4.05496	0.28296	Down
NM_201353	Slc6a7	-3.01912	1	-4.81688	1.25085	0.021475	Down
NM_198615	Mex3d	-3.01766	1	-3.43111	15.9579	1.38822	Down
NM_025943	Dzip1	-3.01582	1	-3.25379	32.9313	3.27197	Down
NM_019741	Slc2a5	-3.01522	1	-3.27484	40.294	3.94201	Down
NM_172461	Nek11	-3.01521	1	-3.92717	5.65508	0.328187	Down
NM_028376	Pfn4	-3.00892	1	-3.51728	27.0554	2.1988	Down
NM_001204904	4930558K02Rik	-3.0069	1	-4.67622	5.83145	0.146512	Down
NM_026024	Ube2t	-3.00613	1	-4.35491	9.94691	0.399208	Down
NM_009251	Serpina3g	-3.00357	1	-3.78701	8.27691	0.537358	Down
NM_026888	Phkg2	-3.00169	1	-3.21976	106.254	10.8172	Down
NM_058212	Dpf3	-3.00126	1	-3.91363	11.3291	0.663707	Down
NM_001018013	Izumo1	-2.99847	1	-3.98768	9.56936	0.528935	Down
NM_010620	Kif15	-2.99544	1	-3.66989	4.36394	0.312588	Down
NM_026961	2200002J24Rik	-2.99414	1	-4.79304	6.74079	0.11769	Down
NM_175393	4930555G01Rik	-2.99121	1	-4.55857	3.40871	0.104297	Down
NM_001141977	Tpx2	-2.98869	1	-3.72745	4.10334	0.279598	Down
NM_028664	Ankrd45	-2.9852	1	-3.59054	6.81392	0.520644	Down
NM_027721	Katnal2	-2.98163	1	-3.55148	16.8713	1.33026	Down
NM_025415	Cks2	-2.9789	1	-3.68316	27.8169	1.96546	Down
NM_027040	1700007K13Rik	-2.97692	1	-4.32672	13.0891	0.535754	Down
NM_001034037	1700024G13Rik	-2.97667	1	-4.45903	20.6627	0.721517	Down
NM_172397	Limd2	-2.97373	1	-3.17204	69.1023	7.27644	Down
NM_001081333	Plekhg4	-2.97257	1	-3.6935	4.43212	0.310112	Down
NM_007766	Pcdha4	-2.97236	1	-4.26985	2.17381	0.0944263	Down
NM_001081317	Anubl1	-2.97125	1	-3.30383	29.9391	2.86031	Down
NM_001128625	Gm364	-2.96874	1	-4.76879	1.87486	0.0332982	Down
NM_146082	BC027072	-2.96874	1	-4.76879	0.807469	0.014341	Down
NM_026805	Svop	-2.96415	1	-4.21607	3.93745	0.180266	Down
NM_001001738	Itprp	-2.96244	1	-3.48339	8.71624	0.724391	Down
NR_033445	4931428L18Rik	-2.96147	1	-4.53	6.30677	0.196867	Down
NM_027617	Spata1	-2.96135	1	-3.21788	64.2845	6.54345	Down
NM_029247	4930550C14Rik	-2.96002	1	-4.17155	10.93	0.522327	Down
NM_177716	Al836003	-2.96002	1	-4.17155	5.80525	0.277423	Down
NM_153104	Phospho1	-2.95921	1	-3.64865	10.3627	0.751738	Down
NM_007809	Cyp17a1	-2.95757	1	-3.20807	69.9958	7.1752	Down
NR_038015	LOC100502820	-2.95584	1	-4.36727	14.0869	0.545524	Down
NM_026739	9530077C05Rik	-2.95539	1	-3.41584	18.9984	1.66414	Down
NM_031186	Ndst3	-2.95126	1	-4.43458	1.5145	0.0537962	Down
NM_177841	4932418E24Rik	-2.94667	1	-3.32672	18.4918	1.73375	Down
NM_001166655	Cdkl3	-2.94632	1	-3.30323	34.5156	3.29421	Down
NM_133194	Scml2	-2.94462	1	-4.35647	1.89797	0.0740571	Down
NM_001168403	Ankrd55	-2.94288	1	-5.74413	1.37599	0	Down
NM_011367	Shbg	-2.94288	1	-5.74413	2.82338	0	Down
NM_027650	Speer3	-2.94288	1	-4.74413	3.33543	0.0602779	Down
NM_029317	Izumo2	-2.94288	1	-4.74413	6.21674	0.112349	Down
NM_153544	BC030867	-2.94288	1	-4.74413	1.56213	0.0282308	Down

NM_025660	Ribc1	-2.94017	1	-3.5464	16.3357	1.28709	Down
NM_027697	4933413G19Rik	-2.93255	1	-4.60496	4.97807	0.131485	Down
NM_028500	Calr3	-2.93144	1	-3.27416	41.8992	4.08392	Down
NM_009960	Pcdha11	-2.93079	1	-4.18383	2.33459	0.109312	Down
NM_009957	Pcdha7	-2.92127	1	-4.13407	2.52578	0.123896	Down
NM_001163559	Lrriq1	-2.91892	1	-3.28006	12.0284	1.16633	Down
NM_198299	E130303B06Rik	-2.91872	1	-3.50673	20.0838	1.63034	Down
NM_001163267	Ccdc147	-2.9181	1	-3.35956	12.9385	1.18042	Down
NM_029859	4921530D09Rik	-2.91755	1	-3.23766	45.7347	4.57798	Down
NM_001177380	Cypt15	-2.91655	1	-4.71904	7.53437	0.138593	Down
NM_183089	Dssc1	-2.91655	1	-4.71904	2.98152	0.0548441	Down
NM_001178058	Txnrd3	-2.91343	1	-3.21374	31.3078	3.18958	Down
NM_001034893	Zfp936	-2.91228	1	-4.39711	2.5396	0.0926036	Down
NM_029115	4930455F23Rik	-2.90531	1	-3.13374	78.5148	8.48163	Down
NM_027406	Aldh1l1	-2.90378	1	-3.72072	4.81342	0.325899	Down
NM_001013771	Gm973	-2.90326	1	-3.55385	5.89337	0.459302	Down
NM_013787	Skp2	-2.90131	1	-3.28668	17.2057	1.65809	Down
NM_001033443	Cdkl4	-2.89663	1	-3.46014	9.32093	0.783798	Down
NM_022653	Thop1	-2.89342	1	-3.26098	23.186	2.27732	Down
NM_177603	Frat2	-2.89249	1	-3.75122	6.55592	0.432476	Down
NM_001033492	Mageb4	-2.88972	1	-5.6935	1.59646	0	Down
NM_001167913	Smok2b	-2.88972	1	-4.6935	2.41989	0.0453226	Down
NM_011674	Ugt8a	-2.88972	1	-4.6935	1.06505	0.0199475	Down
NR_027843	4933432I09Rik	-2.88972	1	-4.6935	2.54017	0.0475752	Down
NM_030028	Tmem190	-2.8895	1	-4.10338	22.0396	1.10448	Down
NM_001033040	Gm166	-2.88862	1	-3.07941	82.1695	9.22865	Down
NM_026514	Cdc42ep3	-2.8777	1	-3.15815	50.2767	5.32866	Down
NM_027651	Tmem30c	-2.87373	1	-3.53751	14.5236	1.14284	Down
NM_001004187	2610020H08Rik	-2.86901	1	-3.52035	11.609	0.926075	Down
NM_011393	Slc1a2	-2.86841	1	-4.44073	3.04722	0.101257	Down
NM_026296	4930548H24Rik	-2.86841	1	-4.44073	4.54201	0.150927	Down
NM_178200	Hist1h2bm	-2.86521	1	-4.07992	33.2916	1.69585	Down
NM_080847	Asb15	-2.86355	1	-4.27846	2.04115	0.0841038	Down
NM_001099305	Gm6880	-2.8624	1	-5.6675	6.00226	0	Down
NM_001122977	Gm7168	-2.8624	1	-4.6675	2.34773	0.0447854	Down
NM_009951	Igf2bp1	-2.8624	1	-4.6675	0.449042	0.00856592	Down
NM_010606	Kcnj6	-2.8624	1	-5.6675	1.21951	0	Down
NM_026634	A930018P22Rik	-2.8624	1	-4.6675	4.59514	0.0876569	Down
NR_015485	1700108F19Rik	-2.8624	1	-4.6675	4.33574	0.0827085	Down
NM_001162973	Lrrc51	-2.85842	1	-3.06722	211.915	23.9893	Down
NM_007428	Agt	-2.85157	1	-3.04319	109.826	12.6483	Down
NM_010655	Kpna2	-2.84937	1	-3.09765	60.1521	6.65775	Down
NM_025863	Trim59	-2.84556	1	-3.5529	6.03846	0.467133	Down
NM_001122735	Gm15091	-2.83952	1	-4.25538	4.23111	0.177174	Down
NM_009860	Cdc25c	-2.83952	1	-4.25538	4.4164	0.184933	Down
NM_139292	Reep6	-2.83549	1	-3.11368	48.5362	5.30598	Down
NM_029489	Samd7	-2.83455	1	-5.64103	1.15754	0	Down
NM_177465	Umodl1	-2.83455	1	-5.64103	0.732446	0	Down
NM_001111118	Rad51ap2	-2.83387	1	-4.51064	1.60239	0.0452227	Down
NM_028554	1700072E05Rik	-2.83387	1	-4.51064	4.85457	0.137006	Down
NM_009648	Akap1	-2.83277	1	-2.97756	92.412	11.1516	Down
NM_001114400	Gm15127	-2.82736	1	-4.2437	4.31163	0.182026	Down
NM_153082	Dnajc27	-2.82687	1	-3.11252	19.6376	2.14779	Down
NM_009959	Pcdha5	-2.82581	1	-4.08254	2.19547	0.11032	Down
NM_016910	Ppm1d	-2.82547	1	-3.08909	37.2306	4.14274	Down
NM_007767	Pcdha6	-2.82379	1	-4.03995	2.35323	0.123258	Down
NM_025949	Rps6ka6	-2.82304	1	-3.58658	3.55411	0.266262	Down
NM_001134385	Gpr160	-2.82034	1	-3.16275	29.6653	3.12418	Down
NM_030597	Lsm2	-2.81923	1	-3.34902	33.3314	3.03921	Down
NM_001190869	Kcne3	-2.81687	1	-3.30216	25.6378	2.42537	Down
NM_001159652	Gpr62	-2.80688	1	-4.02365	6.15662	0.326158	Down
NM_181544	Pkd1l3	-2.80647	1	-3.26519	5.82934	0.567122	Down
NM_028671	Fam122c	-2.80614	1	-4.61407	4.92396	0.0975421	Down
NM_031377	Pramel1	-2.80614	1	-5.61407	1.48526	0	Down
NM_031381	Tex13	-2.80614	1	-5.61407	1.71268	0	Down
NM_175280	4930529M08Rik	-2.80614	1	-4.61407	2.32161	0.0459904	Down
NM_198191	Pip5kl1	-2.80614	1	-5.61407	2.46031	0	Down
NM_001164045	Ccl27a	-2.80589	1	-3.1926	58.5516	6.02328	Down
NM_011759	Zfp41	-2.8047	1	-3.29516	8.89578	0.845278	Down
NM_172755	Sugp2	-2.8047	1	-3.00961	44.4268	5.23495	Down
NM_181728	Art3	-2.80315	1	-3.11416	49.6724	5.41992	Down
NM_008182	Gsta2	-2.80287	1	-4.378	7.25459	0.251898	Down
NM_029459	Prame	-2.80287	1	-4.378	2.73607	0.0950035	Down
NM_153601	Lgsn	-2.80287	1	-4.378	3.25942	0.113175	Down
NM_177222	Casc1	-2.80184	1	-3.2874	13.339	1.2749	Down
NM_001163483	1700020A23Rik	-2.8017	1	-4.10531	14.6931	0.715864	Down

NM_001177324	Sept6	-2.78735	1	-3.33806	7.67004	0.703225	Down
NM_001045524	AK129341	-2.78705	1	-3.03719	31.894	3.68108	Down
NM_029772	Catsper3	-2.77972	1	-4.03815	8.45246	0.438084	Down
NM_001141922	Bean1	-2.77716	1	-4.58658	1.04817	0.021171	Down
NM_008703	Nmbr	-2.77716	1	-4.58658	3.03013	0.0612029	Down
NM_013927	Cngb3	-2.77716	1	-5.58658	0.754957	0	Down
NM_080858	Asb12	-2.77716	1	-4.58658	2.8209	0.056977	Down
NM_146227	Prss50	-2.77716	1	-4.58658	2.44285	0.0493409	Down
NM_172834	Loxhd1	-2.77716	1	-4.58658	0.538945	0.0108857	Down
NR_029433	1700003G18Rik	-2.77716	1	-4.58658	5.73281	0.115792	Down
NM_007659	Cdk1	-2.77568	1	-3.3416	8.79691	0.803256	Down
NM_053090	Fam126a	-2.76987	1	-3.09173	12.6254	1.39844	Down
NM_174848	Crybg3	-2.76781	1	-2.97735	24.6758	2.97301	Down
NM_008651	Mybl1	-2.7633	1	-3.11881	16.5423	1.79477	Down
NM_201243	Pcdha8	-2.76086	1	-4.02	2.08733	0.109563	Down
NM_026091	1700037H04Rik	-2.7553	1	-3.04668	68.7382	7.8675	Down
NM_001171640	1700007I08Rik	-2.75216	1	-4.17155	5.386	0.239144	Down
NM_029482	4930579G24Rik	-2.75052	1	-3.32494	12.2467	1.13028	Down
NM_001045539	Xlr5a	-2.74761	1	-5.55857	2.11191	0	Down
NM_001195094	Ccdc42b	-2.74761	1	-4.55857	3.78355	0.0779489	Down
NM_015798	Fbxo15	-2.74761	1	-4.55857	2.19713	0.0452654	Down
NM_021347	Gsdma	-2.74761	1	-5.55857	1.2783	0	Down
NM_133882	C8b	-2.74761	1	-4.55857	1.55634	0.0320639	Down
NR_038039	1700023F02Rik	-2.74761	1	-5.55857	10.1004	0	Down
NM_001199025	Pla2g6	-2.7468	1	-2.98274	41.4065	4.96564	Down
NM_178689	Eno4	-2.74618	1	-3.49101	5.91861	0.475437	Down
NM_001029838	Pknox2	-2.74578	1	-3.26466	8.2849	0.802019	Down
NM_178702	Radil	-2.74307	1	-3.45296	4.47308	0.370962	Down
NM_009554	Zfp37	-2.74267	1	-2.99389	31.3706	3.73096	Down
NM_001039371	Slc22a15	-2.74148	1	-3.28608	3.97915	0.37853	Down
NM_011353	Serf1	-2.73363	1	-3.05323	119.981	13.6513	Down
NM_138661	Pcdha9	-2.72826	1	-3.94792	2.16608	0.120973	Down
NM_022565	Ndst4	-2.72798	1	-4.40971	1.3583	0.0411527	Down
NM_001166630_4	Dynlt1c	-2.72591	1	-2.91168	286.515	36.1545	Down
NM_144539	Slamf7	-2.7248	1	-3.29977	5.95816	0.559598	Down
NM_001166627_4	Dynlt1f	-2.72457	1	-2.91009	245.864	31.0591	Down
NM_001199947_4	Dynlt1e	-2.72457	1	-2.91009	245.864	31.0591	Down
NM_170671	Mycbpap	-2.71937	1	-2.94993	44.5578	5.46769	Down
NM_022321	Parvg	-2.7191	1	-3.5415	4.93494	0.378559	Down
NM_001033234	Gm9	-2.71742	1	-5.53	2.05349	0	Down
NM_001081023	Cacna1s	-2.71742	1	-5.53	0.546305	0	Down
NM_008110	Gdf9	-2.71742	1	-4.53	1.89299	0.0397954	Down
NM_029131	4930503E14Rik	-2.71742	1	-5.53	2.6493	0	Down
NR_003645	Ube2dn1	-2.71742	1	-5.53	4.59617	0	Down
NM_197987	Trim37	-2.71474	1	-2.89589	36.771	4.69172	Down
NM_148946	Slc8a2	-2.71303	1	-4.13407	1.85958	0.0847591	Down
NM_025491	Susd3	-2.71229	1	-3.36727	16.2657	1.44335	Down
NM_177123	Spef2	-2.70409	1	-3.17303	11.3324	1.17454	Down
NM_028270	Aldh1b1	-2.70283	1	-3.70206	5.08619	0.34305	Down
NM_009698	Aprt	-2.70194	1	-3.12318	47.7228	5.13977	Down
NM_144538	Rab3il1	-2.70078	1	-2.95178	47.253	5.7866	Down
NM_001033206	Pwwp2b	-2.69648	1	-2.96143	42.2336	5.13451	Down
NM_001004191	Gm5617	-2.69545	1	-2.94093	181.557	22.4061	Down
NM_001164658	Catsperg1	-2.69436	1	-2.94353	31.055	3.82509	Down
NM_198628	Gm711	-2.69145	1	-3.33505	8.73973	0.794368	Down
NM_026257	Ubxn11	-2.68981	1	-3.24989	15.6016	1.51963	Down
NM_021329	Rangrf	-2.6886	1	-3.01429	83.5613	9.76502	Down
NM_001166629	Dynlt1a	-2.6874	1	-2.85789	307.81	40.3342	Down
NM_001081007	Zfp382	-2.68723	1	-3.51064	5.84747	0.45831	Down
NM_029372	1700011F14Rik	-2.68661	1	-4.50086	3.08035	0.0661059	Down
NM_133239	Crb1	-2.68661	1	-4.50086	0.711455	0.0152682	Down
NR_028265	Mirg	-2.68661	1	-4.50086	2.57526	0.0552663	Down
NR_034074	Etd	-2.68661	1	-4.50086	6.99845	0.15019	Down
NM_011105	Pkdrej	-2.68653	1	-3.0905	6.27019	0.691667	Down
NM_138663	Pcdha12	-2.685	1	-3.68489	2.20195	0.150305	Down
NM_019493	Btg4	-2.68334	1	-4.36727	3.50857	0.109521	Down
NM_001034882	Gm5465	-2.68217	1	-3.16994	10.4469	1.08336	Down
NM_029098	Lmbr1l	-2.67916	1	-2.97882	35.6344	4.27367	Down
NM_023294	Ndc80	-2.67314	1	-3.32909	8.2327	0.750201	Down
NM_020052	Scube2	-2.67141	1	-4.03299	2.40658	0.120928	Down
NM_001098267	Tll2	-2.67098	1	-3.46357	8.15875	0.663503	Down
NM_009191	Clpb	-2.66539	1	-2.9094	25.2117	3.18041	Down
NM_172434	Celf3	-2.66395	1	-3.53	4.4193	0.340118	Down
NM_001097980	Gm16390	-2.66051	1	-4.34558	4.1906	0.132823	Down
NM_178683	Depdc1b	-2.66051	1	-4.34558	1.79053	0.0567518	Down
NM_027982	Ppm1j	-2.6562	1	-3.26861	11.7911	1.12695	Down

NM_008915	Ppp3cc	-2.65613	1	-2.90261	56.706	7.18647	Down
NM_007810	Cyp19a1	-2.65512	1	-4.47111	1.38035	0.0302533	Down
NM_153106	Padi6	-2.65512	1	-5.47111	1.40402	0	Down
NM_028886	Lrguk	-2.65422	1	-3.57802	3.80599	0.281717	Down
NM_010758	Mag	-2.65344	1	-3.96296	3.8479	0.207061	Down
NM_001113211	Tmem194	-2.65207	1	-2.93592	14.0292	1.73466	Down
NM_001099636	Pnmal2	-2.65168	1	-3.07377	9.62962	1.07332	Down
NM_019723	Slc22a21	-2.64933	1	-3.02245	21.8454	2.53159	Down
NM_013923	Rnf19a	-2.64913	1	-2.79099	74.8107	10.275	Down
NM_178678	Lrrtm3	-2.6469	1	-4.00953	2.18921	0.111824	Down
NM_009406	Tnni3	-2.64537	1	-4.06937	9.13451	0.435625	Down
NM_133786	Smc4	-2.64109	1	-2.84843	37.3733	4.92442	Down
NM_023790	Wdr54	-2.63274	1	-3.34558	12.0464	1.07658	Down
NM_001113369	Ceacam2	-2.63239	1	-3.31546	5.00381	0.458658	Down
NM_013733	Chaf1a	-2.63211	1	-3.01437	14.3473	1.67107	Down
NM_144518	2900011O08Rik	-2.63145	1	-4.05607	3.16652	0.152422	Down
NR_033121_2	Gm8348	-2.62694	1	-3.2502	9.70098	0.937973	Down
NM_130893	Scrt1	-2.62469	1	-4.20807	1.373	0.053709	Down
NM_001013816	Gm5622	-2.62292	1	-5.44073	2.02775	0	Down
NM_001045531	Spata22	-2.62292	1	-4.44073	2.51639	0.0563508	Down
NM_009710	Art1	-2.62292	1	-5.44073	2.26244	0	Down
NM_023814	Tbx18	-2.62292	1	-4.44073	0.685162	0.0153432	Down
NM_001024848	Apol7b	-2.62197	1	-3.98568	3.72405	0.19342	Down
NM_001004357	Cntnap2	-2.6213	1	-3.44686	1.75604	0.14389	Down
NM_213614	Sept5	-2.62014	1	-3.16051	11.6974	1.21508	Down
NM_145500	Ubd1	-2.61877	1	-2.97087	35.9647	4.21532	Down
NM_009791	Aspm	-2.61191	1	-3.17372	2.33817	0.240128	Down
NM_001033599	Acsl6	-2.61145	1	-3.36008	5.01225	0.441072	Down
NM_009961	Pcdha10	-2.60894	1	-3.53443	2.15381	0.164344	Down
NM_001003955	Rab11fip5	-2.60561	1	-2.80979	25.1163	3.39964	Down
NM_133706	Tmem97	-2.60109	1	-2.76969	166.625	23.2122	Down
NM_144528	Rnf126	-2.60063	1	-2.91295	42.3445	5.31289	Down
NM_027402	Fndc5	-2.60042	1	-3.86597	3.63683	0.212557	Down
NM_029196	4930544O15Rik	-2.60014	1	-3.70284	13.1207	0.87764	Down
NM_010360	Gstm5	-2.59579	1	-2.76331	246.106	34.4376	Down
NM_145447	Mfsd7c	-2.59466	1	-3.21872	5.49834	0.543396	Down
NR_027510	Lrrc57	-2.59438	1	-2.85251	49.8112	6.53313	Down
NM_198033	Setx	-2.59413	1	-2.65856	132.95	20.0386	Down
NM_010787	Mea1	-2.59374	1	-2.76017	269.977	37.8612	Down
NM_001033409	Lgr6	-2.58999	1	-5.40971	0.865631	0	Down
NM_015780	Cfhr1	-2.58999	1	-4.40971	1.81073	0.0414498	Down
NM_134252	Trpm8	-2.58999	1	-5.40971	0.815864	0	Down
NM_172290	Ntm	-2.58999	1	-4.40971	1.73461	0.0397074	Down
NM_152947	Ovol2	-2.58915	1	-3.15916	18.2707	1.89391	Down
NM_001033485	BC048644	-2.58272	1	-3.58658	4.77983	0.349425	Down
NM_001081332	Slc9a5	-2.57945	1	-3.23782	3.25643	0.316199	Down
NM_017397	Ddx20	-2.57894	1	-2.77477	60.5377	8.39769	Down
NM_197988	1190005I06Rik	-2.57237	1	-4.07201	8.54546	0.391231	Down
NM_007971	Ezh2	-2.57115	1	-3.00439	13.6653	1.59716	Down
NM_024269	Arl2bp	-2.56923	1	-2.96209	57.9689	6.99698	Down
NM_032465	Cd96	-2.56825	1	-3.83516	4.40973	0.263332	Down
NM_053272	Dhcr24	-2.56689	1	-3.33784	3.20089	0.285168	Down
NM_026300	4930549C01Rik	-2.56665	1	-4.15293	7.90547	0.321452	Down
NM_010016	Cd55	-2.56533	1	-2.96076	16.9404	2.0463	Down
NM_028679	Irak3	-2.56511	1	-3.0367	10.3988	1.18483	Down
NM_054072	Pcdha1	-2.56589	1	-3.78339	1.96543	0.123117	Down
NM_001004180	BC057022	-2.5563	1	-4.378	1.13869	0.0266584	Down
NM_001039116	Dmrtc1b	-2.5563	1	-4.378	2.58994	0.0606343	Down
NM_001080709	4930402F06Rik	-2.5563	1	-5.378	2.23505	0	Down
NM_001177389	4933403O08Rik	-2.5563	1	-5.378	2.01743	0	Down
NM_009918	Cnga3	-2.5563	1	-5.378	0.876641	0	Down
NM_010250	Gabra1	-2.5563	1	-5.378	0.739448	0	Down
NM_145833	Lin28a	-2.5563	1	-5.378	0.881175	0	Down
NM_024184	Asf1b	-2.55583	1	-3.25538	9.41443	0.897948	Down
NM_001033149	Ttc9	-2.55505	1	-3.21407	8.19114	0.808615	Down
NM_008115	Gfra2	-2.55267	1	-3.48033	3.14041	0.248842	Down
NM_180958	Ccdc79	-2.55267	1	-3.09454	8.05603	0.876093	Down
NM_001081977	Rnf144a	-2.54945	1	-3.26466	2.79474	0.264244	Down
NM_028916	Efhc2	-2.54795	1	-3.14416	7.8043	0.815168	Down
NM_028849	Cldnd2	-2.54678	1	-4.13407	8.48534	0.349631	Down
NM_177135	D830030K20Rik	-2.54678	1	-4.13407	3.68616	0.151885	Down
NR_024017	4930594C11Rik	-2.5464	1	-3.81425	3.44038	0.208467	Down
NM_028748	Paqr5	-2.54483	1	-2.86832	17.6024	2.2768	Down
NM_001109764	Ctnna2	-2.54366	1	-3.54911	2.5481	0.191211	Down
NM_001042652	Nusap1	-2.54269	1	-3.20205	5.7976	0.577138	Down
NM_001003917	Atg9a	-2.54222	1	-2.75011	37.9941	5.35953	Down

NM_010026	Asap1	-2.53995	1	-2.83195	16.2749	2.16219	Down
NM_173775	Ccdc37	-2.53871	1	-2.97945	16.0805	1.9113	Down
NM_013552	Hmmr	-2.53483	1	-3.15025	4.77203	0.495237	Down
NM_028521	Phospho2	-2.53349	1	-2.69224	113.947	16.7535	Down
NM_025961	Gatm	-2.53155	1	-2.858	25.488	3.31999	Down
NM_001081258	Kif14	-2.53116	1	-3.89897	0.890035	0.0491158	Down
NM_007857	Dhh	-2.53116	1	-3.89897	3.29768	0.18198	Down
NM_029064	Till9	-2.5287	1	-3.21462	9.91108	0.974538	Down
NM_001168297	Fbxo30	-2.52609	1	-2.71723	33.6974	4.86546	Down
NM_009620	Adam4	-2.52594	1	-2.91707	18.3056	2.28006	Down
NM_134126	Ift140	-2.52195	1	-2.72042	26.6212	3.83446	Down
NM_001033334	Tmem90a	-2.5218	1	-5.34558	1.1992	0	Down
NR_033448	1700025C18Rik	-2.5218	1	-5.34558	4.26894	0	Down
NM_009181	St8sia2	-2.5215	1	-4.02365	1.12805	0.0534258	Down
NM_028915	Lrrcc1	-2.5198	1	-2.77472	28.4042	3.93258	Down
NM_177747	Zfp711	-2.51822	1	-3.13407	4.26527	0.447657	Down
NM_182991	Tmem59l	-2.51772	1	-3.88615	5.20236	0.289674	Down
NM_029682	Stambpl1	-2.51588	1	-3.74413	5.0737	0.326653	Down
NM_201368	Xkr8	-2.51572	1	-2.92539	9.17618	1.13497	Down
NM_009342	Dynlt1b	-2.5152	1	-2.66555	342.31	51.2793	Down
NM_001163533	Rtdr1	-2.51499	1	-3.94504	5.73533	0.298383	Down
NM_153679	Cpt1c	-2.51309	1	-2.94409	13.0097	1.58596	Down
NM_001081423	Till5	-2.51177	1	-2.8136	14.2236	1.91304	Down
NM_146144	Usp1	-2.50915	1	-2.67622	59.9824	8.91601	Down
NM_013726	Dbf4	-2.50209	1	-2.90382	16.3681	2.05621	Down
NM_017400	Sh3gl3	-2.50042	1	-2.94915	20.3543	2.46936	Down
NM_054073	Tsga13	-2.49907	1	-3.12561	15.5145	1.6359	Down
NM_206935	Arl9	-2.48962	1	-4.18383	10.0803	0.35806	Down
NM_029197	4930528F23Rik	-2.48657	1	-3.99048	3.47851	0.168622	Down
NM_001024137	Pla2g4d	-2.48646	1	-5.31241	0.89078	0	Down
NM_133657	Cyp2a12	-2.48646	1	-5.31241	1.75908	0	Down
NR_015527	4930417O13Rik	-2.48646	1	-5.31241	2.67805	0	Down
NM_146208	Neil3	-2.48547	1	-4.07597	2.2272	0.0955938	Down
NM_010274	Gpd2	-2.48498	1	-2.71592	20.0894	2.89974	Down
NM_028349	Sass6	-2.48468	1	-3.12234	4.00969	0.423196	Down
NM_028902	Hsf2bp	-2.48313	1	-2.98513	9.14006	1.07674	Down
NM_172525	Arhgap29	-2.48026	1	-2.6983	24.7006	3.61071	Down
NM_172578	Mis18bp1	-2.47618	1	-3.08345	4.59762	0.50041	Down
NR_027509	Suv39h2	-2.47535	1	-3.03299	5.20675	0.590158	Down
NM_177777	D11Wsu47e	-2.47458	1	-2.70515	51.2541	7.45371	Down
NM_001197082	Rcc1	-2.47448	1	-2.73976	36.9879	5.24472	Down
NM_011758	Zfp39	-2.47013	1	-2.71001	26.7485	3.87561	Down
NR_033123	4933409K07Rik	-2.46971	1	-2.74444	17.6415	2.49241	Down
NR_029439	1700018A04Rik	-2.46878	1	-3.9011	9.37048	0.502738	Down
NM_199455	Tepp	-2.46444	1	-4.05607	5.11706	0.222723	Down
NM_173425	Fam124b	-2.46348	1	-4.15916	1.38801	0.0501684	Down
NM_026410	Cdca5	-2.46293	1	-3.6935	5.08254	0.338992	Down
NR_033589	Hmgb1-rs17	-2.45852	1	-2.9238	20.5178	2.5303	Down
NM_182995	6330503K22Rik	-2.45713	1	-2.67501	24.7989	3.68416	Down
NR_004843	BC090627	-2.45698	1	-2.67568	27.2337	4.04389	Down
NM_029632	Ppp1r11	-2.45632	1	-2.62664	118.964	18.3005	Down
NM_001039669	Iffo1	-2.45594	1	-3.04569	6.78971	0.760229	Down
NM_001033415	Shisa3	-2.45554	1	-3.72745	4.37503	0.281671	Down
NM_019914	Milt11	-2.45195	1	-2.74413	28.11	3.96935	Down
NR_037982	9330159M07Rik	-2.4518	1	-3.07962	6.22078	0.677273	Down
NM_010338	Gpr37	-2.45077	1	-3.95653	1.80484	0.0895987	Down
NM_001081954	Dux	-2.45023	1	-5.27846	1.41107	0	Down
NM_001162369	Mgat4c	-2.45023	1	-4.27846	0.765241	0.0192263	Down
NM_010341	Nmur1	-2.45023	1	-5.27846	2.34599	0	Down
NM_010445	Hmx1	-2.45023	1	-5.27846	1.89483	0	Down
NM_177303	Lrrn4	-2.45023	1	-4.27846	0.822276	0.0206593	Down
NM_206816	Olf128	-2.45023	1	-5.27846	3.08243	0	Down
NM_029044	Lrrc48	-2.44407	1	-3.0257	10.5402	1.1978	Down
NM_013815	Baz1a	-2.44375	1	-2.62783	27.5997	4.24077	Down
NM_029426	Brsk2	-2.44344	1	-3.37553	2.49765	0.212924	Down
NM_027878	Dram1	-2.44167	1	-3.08052	5.8843	0.639392	Down
NM_027139	Taf9	-2.44057	1	-2.57361	261.676	41.7949	Down
NM_025951	Pi4k2b	-2.43849	1	-2.89613	9.63579	1.21214	Down
NM_001039556	Rad54b	-2.43713	1	-3.87104	2.28104	0.124984	Down
NM_001033770	Gm904	-2.43686	1	-4.13407	6.01357	0.221236	Down
NM_028888	4931428F04Rik	-2.43606	1	-2.85298	10.1018	1.31337	Down
NM_177472	Slx4	-2.43492	1	-2.66401	19.5057	2.91895	Down
NM_025747	4933411K20Rik	-2.43473	1	-2.57262	65.7483	10.5075	Down
NM_177773	4933408B17Rik	-2.43405	1	-3.1696	5.42909	0.547095	Down
NM_194269	Morn2	-2.43296	1	-2.83075	60.4293	7.9891	Down
NR_015486	D130017N08Rik	-2.42914	1	-3.06835	9.60577	1.05265	Down

NM_019689	Arid3b	-2.42718	1	-2.99344	5.37374	0.625588	Down
NM_001039220	Al429214	-2.42378	1	-2.84392	17.9302	2.34539	Down
NM_172646	Dnm3	-2.42172	1	-2.96671	4.7373	0.563066	Down
NM_001160127	Smyd1	-2.42104	1	-3.85577	1.92843	0.1068	Down
NR_036590	1700001K23Rik	-2.4199	1	-3.79304	14.8526	0.882676	Down
NM_172485	Thsd7b	-2.41971	1	-3.43047	1.54923	0.126291	Down
NM_001081350	Nol8	-2.41942	1	-2.60724	38.1159	5.94027	Down
NM_001142729	Lrrc9	-2.41941	1	-2.79419	17.202	2.33606	Down
NM_025626	Fam107b	-2.4183	1	-2.68732	25.7474	3.78567	Down
NM_001168277	Jazf1	-2.41823	1	-2.84783	11.4805	1.49667	Down
NM_001033299	Zfp217	-2.41644	1	-2.6159	25.2782	3.91472	Down
NM_001177573_2	BB287469	-2.41307	1	-5.2437	1.50606	0	Down
NM_027158	2310043J07Rik	-2.41307	1	-5.2437	2.67279	0	Down
NM_028937	Sohlh2	-2.41307	1	-5.2437	1.18727	0	Down
NR_003628	Gm5766	-2.41307	1	-4.2437	1.41007	0.0363131	Down
NM_001004144	Git1	-2.41206	1	-2.6377	30.9704	4.7205	Down
NM_001164819	2310046K01Rik	-2.41014	1	-3.04989	6.15953	0.683724	Down
NM_178617	Necab1	-2.40927	1	-2.69079	15.0232	2.20245	Down
NM_001003672	Pcdhac2	-2.40796	1	-3.64103	1.7224	0.119166	Down
NM_172628	Sh3tc2	-2.40796	1	-3.64103	2.05702	0.142317	Down
NM_001004140	Kcap2	-2.40774	1	-3.08368	5.62688	0.607229	Down
NM_145145	Pomt1	-2.40741	1	-2.72891	20.3281	2.89705	Down
NM_030150	Dhx58	-2.40621	1	-2.85687	12.6557	1.63702	Down
NM_177568	Plcb2	-2.40614	1	-3.18239	2.2486	0.223257	Down
NR_030689	4930539J05Rik	-2.40447	1	-3.10854	27.3443	2.88897	Down
NM_175189	Hepacam	-2.39945	1	-3.99467	1.53469	0.0697451	Down
NM_009288	Stk10	-2.39837	1	-2.85298	5.89361	0.764185	Down
NM_133737	Lancl2	-2.3967	1	-2.62814	29.1769	4.47589	Down
NM_007884	Epyc	-2.39571	1	-3.67042	4.97518	0.33333	Down
NM_177337	Arl11	-2.39536	1	-3.90407	3.7621	0.193768	Down
NM_010264	Nr6a1	-2.39531	1	-2.59592	22.6939	3.56343	Down
NM_001081122	Cep63	-2.39522	1	-2.52018	130.597	21.6491	Down
NM_021720	Donson	-2.39433	1	-2.77611	17.7607	2.44145	Down
NM_029596	Tssk4	-2.39392	1	-2.84116	27.247	3.56409	Down
NM_008265	Hoxa4	-2.39057	1	-2.97361	12.3605	1.45649	Down
NM_178653	Scppdh	-2.38548	1	-2.60619	60.4102	9.41276	Down
NM_008089	Gata1	-2.38208	1	-4.08254	2.08269	0.0794587	Down
NM_178388	Tmem202	-2.38174	1	-2.94174	16.0915	1.94339	Down
NM_028046	1600014K23Rik	-2.37713	1	-3.97361	5.55884	0.256396	Down
NM_053180	Cdk20	-2.37652	1	-3.11395	6.75186	0.7073	Down
NM_001001714	Sohlh1	-2.37494	1	-5.20807	2.11191	0	Down
NM_001114677	Rad21l	-2.37494	1	-4.20807	1.64729	0.0435097	Down
NM_011996	Adh4	-2.37494	1	-5.20807	2.07167	0	Down
NM_028075	Tnfrsf13c	-2.37494	1	-4.20807	1.42604	0.0376658	Down
NM_023617	Aox3	-2.37396	1	-3.60861	2.09399	0.148192	Down
NM_026161	C1qtnf4	-2.3704	1	-2.81813	22.1588	2.94527	Down
NM_029407	4933432B09Rik	-2.36672	1	-2.77367	6.94645	0.954998	Down
NM_174849	Agbl5	-2.36504	1	-2.59832	35.2996	5.52805	Down
NM_001005423	Mreg	-2.36353	1	-3.19842	4.13741	0.403158	Down
NM_001004361	5730494M16Rik	-2.36131	1	-2.59819	24.8174	3.88637	Down
NM_008842	Pim1	-2.36123	1	-2.92177	11.3703	1.39241	Down
NM_011495	Plk4	-2.36088	1	-2.78845	9.23476	1.25487	Down
NM_177788	Exoc3l	-2.35858	1	-3.63508	3.34928	0.230007	Down
NM_016759	Rundc3a	-2.35814	1	-3.06368	6.5402	0.712919	Down
NM_199017	9230110C19Rik	-2.35775	1	-2.78538	20.5314	2.79588	Down
NM_001081291	Ccdc88b	-2.35753	1	-3.03501	2.85293	0.318492	Down
NM_001033247	Wdr52	-2.35752	1	-2.74224	6.04507	0.85063	Down
NM_027810	Bbs7	-2.35741	1	-2.70172	18.8584	2.73568	Down
NM_053252	Ehbp111	-2.3571	1	-2.66688	15.3996	2.29258	Down
NM_029315	Pou5f2	-2.35556	1	-2.89561	15.2375	1.90413	Down
NM_001098237	Zbtb3	-2.35031	1	-2.86076	11.53	1.48023	Down
NM_001081275	1700009P17Rik	-2.34956	1	-2.80523	27.9715	3.74924	Down
NM_183294	Cdkl1	-2.34941	1	-3.15293	6.31321	0.637575	Down
NM_027436	Mipep	-2.34441	1	-2.69565	19.4654	2.83464	Down
NM_019873	Fkbp1	-2.34397	1	-2.6935	40.9461	5.97221	Down
NM_027649	Spats1	-2.34323	1	-3.17893	8.7717	0.866443	Down
NM_024261	1700052N19Rik	-2.3429	1	-2.62358	31.2249	4.79651	Down
NM_028481	Ccdc18	-2.34236	1	-3.04842	2.79849	0.308314	Down
NM_001199123	Spc25	-2.34201	1	-2.95298	10.661	1.27064	Down
NM_008240	Foxj1	-2.33888	1	-2.79478	11.1379	1.50377	Down
NM_023463	Ly6g6c	-2.33774	1	-3.84962	5.58995	0.299129	Down
NM_001101531	Gm5538	-2.33577	1	-5.17155	2.03249	0	Down
NM_001104569	Vmn2r107	-2.33577	1	-5.17155	1.0241	0	Down
NM_020605	Jph3	-2.33577	1	-4.17155	0.678537	0.0183938	Down
NM_024230	Smtnl1	-2.33577	1	-5.17155	1.50388	0	Down
NM_026624	Fam166a	-2.33262	1	-2.54263	109.986	17.9159	Down

NM_172502	Dcaf15	-2.32743	1	-2.66905	21.1309	3.1362	Down
NM_138949	Zfp286	-2.32326	1	-3.10246	3.63998	0.382121	Down
NM_001003919	Ddx11	-2.32057	1	-2.99921	3.32511	0.380579	Down
NM_028518	Col20a1	-2.32057	1	-2.99921	3.29415	0.377035	Down
NM_001146047	Lrrc49	-2.3144	1	-2.65008	17.9861	2.70569	Down
NM_028390	Anln	-2.31418	1	-2.73353	6.09379	0.860803	Down
NM_027594	Tll7	-2.31221	1	-2.77661	4.49706	0.614507	Down
NM_009713	Arsa	-2.3108	1	-2.58521	20.9817	3.3109	Down
NM_178198	Hist1h2bj	-2.31002	1	-2.76656	73.9001	10.1751	Down
NM_001177392	Gm13547	-2.308	1	-3.90851	7.09117	0.342405	Down
NM_009773	Bub1b	-2.30603	1	-2.8755	5.10968	0.645708	Down
NM_144906	Sgjp1	-2.30313	1	-3.74413	1.61465	0.0967012	Down
NM_001047604	Ttc21b	-2.30267	1	-2.4979	31.3525	5.27024	Down
NM_012012	Exo1	-2.3017	1	-3.62761	1.34171	0.0912708	Down
NM_030082	Hist3h2ba	-2.29802	1	-3.81214	8.4306	0.463168	Down
NM_027641	Spef1	-2.29788	1	-2.89195	7.63421	0.951294	Down
NM_001034880	Gm5460	-2.29551	1	-4.13407	1.35504	0.0377252	Down
NM_001037167	Gm5647	-2.29551	1	-5.13407	2.88761	0	Down
NM_181345	Npm2	-2.29551	1	-4.13407	2.5864	0.072007	Down
NR_033485	4933403O03Rik	-2.29551	1	-5.13407	1.73529	0	Down
NR_033537	Gm10754	-2.29551	1	-5.13407	1.57908	0	Down
NM_001003910	BC030307	-2.29466	1	-2.68289	8.63777	1.26642	Down
NM_001037957	Dyrk1b	-2.2893	1	-2.63157	18.889	2.87734	Down
NM_001115076	Camsap1	-2.28328	1	-2.43445	28.5044	5.01223	Down
NM_026837	Tmem53	-2.27587	1	-2.54377	78.8342	12.8064	Down
NM_139303	Kif18a	-2.27493	1	-2.95504	3.97299	0.468943	Down
NM_172581	Fam161b	-2.27268	1	-2.84308	5.46001	0.70572	Down
NM_178628	Atl1	-2.27249	1	-2.82135	6.97424	0.917131	Down
NM_026681	Ccdc88c	-2.26643	1	-2.55642	10.2125	1.64302	Down
NM_001134767	Ccdc62	-2.26623	1	-2.56521	15.4676	2.47239	Down
NM_001040399	Larp1b	-2.26461	1	-2.50112	55.55	9.30546	Down
NM_173423	Fem1c	-2.26013	1	-2.45965	45.7162	7.89049	Down
NM_146089	Haus1	-2.2582	1	-2.58758	50.0484	7.86554	Down
NM_144818	Ncaph	-2.25752	1	-2.98207	4.39785	0.506321	Down
NM_001177632	Ilgad	-2.25718	1	-3.77367	1.31632	0.0742985	Down
NM_029992	Tchp	-2.25505	1	-2.65632	12.0983	1.80543	Down
NM_001099306	Gm6890	-2.2541	1	-4.0956	3.23318	0.0925141	Down
NM_001104615	Vmn2r4	-2.2541	1	-5.0956	1.01004	0	Down
NM_001104618	Vmn2r5	-2.2541	1	-4.0956	1.01004	0.0289014	Down
NM_007989	Foxh1	-2.2541	1	-5.0956	2.07694	0	Down
NM_008629	Msi1	-2.2541	1	-5.0956	1.61763	0	Down
NM_183248	Nkx6-2	-2.2541	1	-4.0956	1.92109	0.0549701	Down
NR_033463	4930429F11Rik	-2.2541	1	-5.0956	1.55257	0	Down
NM_026384	Dgat2	-2.25218	1	-2.47111	48.4538	8.29216	Down
NM_001013377	E130306D19Rik	-2.24949	1	-3.6935	3.56628	0.221304	Down
NM_001033542	Slc47a2	-2.24792	1	-2.66287	13.6337	2.02356	Down
NM_013859	Znhit2-ps	-2.24651	1	-2.49785	66.1034	11.0929	Down
NM_001003671	Pcdhac1	-2.24538	1	-3.0275	1.96077	0.216891	Down
NM_019438	Ncapg	-2.24382	1	-2.73164	6.48306	0.912433	Down
NM_013605	Muc1	-2.24367	1	-3.57265	3.18062	0.224849	Down
NM_001033244	Fancd2	-2.23598	1	-3.25538	1.79335	0.165209	Down
NM_001001450	Ssxb2	-2.23535	1	-3.94504	3.67595	0.154555	Down
NM_001080815	Gipr	-2.23535	1	-3.94504	1.90567	0.0801239	Down
NM_175226	Rnf139	-2.2346	1	-2.35229	82.8846	15.438	Down
NM_001080818	Cdc14a	-2.22981	1	-2.49912	16.1451	2.70517	Down
NM_181682	Dsg1b	-2.22762	1	-3.03589	2.88681	0.316353	Down
NM_178309	Brip1	-2.22619	1	-3.06672	1.35707	0.14497	Down
NM_001164727	Gm10406	-2.22266	1	-2.84697	7.73574	0.991487	Down
NM_172616	C330027C09Rik	-2.22211	1	-2.80175	4.34923	0.578085	Down
NM_009553	Zscan2	-2.22095	1	-2.66841	12.1338	1.79006	Down
NM_001029930	ENSMUSG00000068790	-2.21963	1	-2.86519	7.83326	0.988856	Down
NM_146254	Wdr78	-2.21836	1	-2.49659	17.8229	2.9905	Down
NM_001177776	Ahi1	-2.21741	1	-2.64185	14.7609	2.22177	Down
NM_001168246	Syce2	-2.2172	1	-2.62723	35.034	5.33216	Down
NM_027667	Arhgap19	-2.21604	1	-2.44	19.891	3.47781	Down
NM_001001490	Oxgr1	-2.21148	1	-5.05607	0.653605	0	Down
NM_001177564	Gm4027	-2.21148	1	-5.05607	2.44414	0	Down
NM_001177832	Gm10324	-2.21148	1	-5.05607	1.27044	0	Down
NM_020513	Olfrl508	-2.21148	1	-5.05607	1.30791	0	Down
NR_030151	Mir468	-2.21148	1	-5.05607	31.2725	0	Down
NR_038020	LOC100504235	-2.21148	1	-4.05607	0.717216	0.0211088	Down
NM_207204	Ninl	-2.21109	1	-2.52441	10.5504	1.73381	Down
NM_178936	Tmem56	-2.20906	1	-2.44426	14.8974	2.59611	Down
NM_146183	Zfp428	-2.20628	1	-3.01543	8.31529	0.924347	Down
NM_001145875	9530008L14Rik	-2.20562	1	-3.09002	3.54136	0.370497	Down
NM_177006	3110047P20Rik	-2.20413	1	-3.91589	0.3919	0.0168208	Down

NR_027883	1700096J18Rik	-2.20413	1	-3.91589	7.36842	0.31626	Down
NM_013912	Apln	-2.20186	1	-3.58658	1.99249	0.136832	Down
NM_001113424	Amn1	-2.20035	1	-2.54911	42.4808	6.85055	Down
NM_012031	Spag1	-2.19856	1	-2.70748	6.71165	0.958997	Down
NM_001163464	Abi3	-2.19821	1	-2.71255	5.74631	0.817798	Down
NM_028516	1700056E22Rik	-2.1938	1	-3.64103	5.7657	0.371205	Down
NR_003650	Gm5972	-2.1933	1	-2.54219	54.0034	8.75064	Down
NM_021546	Necab3	-2.19203	1	-2.90322	6.50724	0.79327	Down
NM_177674	2010015L04Rik	-2.19169	1	-2.84962	4.47845	0.570713	Down
NM_029528	Fam131b	-2.19078	1	-3.43458	1.97132	0.157552	Down
NM_145223	Alms1	-2.18754	1	-2.35191	18.3098	3.40835	Down
NM_145496	Dak	-2.18751	1	-2.48881	25.3008	4.26418	Down
NR_027825	4930470P17Rik	-2.18491	1	-3.79304	2.94759	0.154389	Down
NM_011366	Sorbs3	-2.18409	1	-2.53653	14.5413	2.36511	Down
NR_038058	C030037D09Rik	-2.1832	1	-2.89471	11.0875	1.35968	Down
NR_027984	2810025M15Rik	-2.1813	1	-2.52714	36.7143	6.01264	Down
NM_023431	Mum1	-2.17921	1	-2.35798	41.587	7.70638	Down
NM_001177964	Dcdc2c	-2.1792	1	-2.92362	7.53306	0.901142	Down
NM_027001	2610034M16Rik	-2.1777	1	-3.4222	1.92015	0.154796	Down
NR_033388	Gm3002	-2.1774	1	-2.54074	7.64417	1.23896	Down
NM_025806	Plbd1	-2.17719	1	-2.57756	16.8407	2.65488	Down
NM_080788	Ttbk2	-2.17685	1	-2.30306	27.8746	5.37149	Down
NM_010316	Gng3	-2.17317	1	-2.61821	16.0388	2.45078	Down
NM_026814	Dysfp1	-2.17185	1	-3.6935	6.20492	0.370534	Down
NM_178680	Unc45b	-2.17185	1	-3.6935	1.35383	0.0808457	Down
NM_001081314	C2cd4b	-2.16757	1	-5.01543	1.78162	0	Down
NM_001177966	4930480E11Rik	-2.16757	1	-5.01543	1.82695	0	Down
NM_011964	Psg19	-2.16757	1	-5.01543	0.930334	0	Down
NM_026263	4930519G04Rik	-2.16757	1	-4.01543	1.16098	0.0351744	Down
NM_029105	4930404A10Rik	-2.16757	1	-5.01543	1.69496	0	Down
NM_172801	Otop2	-2.16757	1	-5.01543	1.0148	0	Down
NM_199021	Dpp10	-2.16757	1	-5.01543	0.511784	0	Down
NR_015458	1700047M11Rik	-2.16757	1	-4.01543	3.45417	0.104652	Down
NR_029452	4932416H05Rik	-2.16606	1	-2.63396	8.0042	1.20774	Down
NM_001045514	Akna	-2.16478	1	-2.5935	5.30812	0.826088	Down
NM_172920	Dpy19l1	-2.16425	1	-2.46077	12.2555	2.1066	Down
NM_177307	Cyp4f39	-2.16173	1	-2.92567	3.91324	0.466175	Down
NM_030072	Plb1	-2.15899	1	-3.76879	1.28446	0.0684375	Down
NR_033455	Gm10536	-2.15899	1	-3.76879	0.949094	0.0505689	Down
NM_018743	Agpat6	-2.15828	1	-2.26802	100.281	19.8044	Down
NM_001037940	Dnajb6	-2.15575	1	-2.43328	24.1918	4.24171	Down
NR_015574	4930513N10Rik	-2.15409	1	-2.83832	4.40087	0.563468	Down
NM_080468	Rxfp2	-2.15201	1	-3.48606	1.97419	0.148285	Down
NM_019864	Atr	-2.15054	1	-2.29054	30.2889	5.88626	Down
NM_001081671	1700042B14Rik	-2.14971	1	-3.67274	4.4878	0.271936	Down
NM_001043322	Fmn1	-2.14772	1	-2.50979	3.33809	0.552846	Down
NM_133821	Phlpp1	-2.14655	1	-2.44336	9.39667	1.63482	Down
NM_001163691	Cacna1h	-2.14539	1	-2.4152	8.40578	1.4929	Down
NM_207232	Ptpdc1	-2.13962	1	-2.2972	44.7807	8.65955	Down
NM_172950	Lpin1	-2.13897	1	-2.26302	56.1154	11.1183	Down
NM_080457	Muc4	-2.13719	1	-2.82201	1.08123	0.140018	Down
NM_001009978	Pde1a	-2.13716	1	-2.35277	65.1966	12.1136	Down
NM_028039	Esco2	-2.13616	1	-3.47111	2.28383	0.173348	Down
NM_173386	E330016A19Rik	-2.13411	1	-3.08052	2.05594	0.215373	Down
NM_198292	Tex2	-2.12929	1	-2.24409	72.0621	14.4686	Down
NM_024474	Emid2	-2.12723	1	-3.65168	1.72622	0.10616	Down
NM_145530	Rhov	-2.12723	1	-3.65168	2.818	0.173303	Down
NM_001045521	Prss38	-2.12228	1	-4.97361	1.85623	0	Down
NM_001162955	Gpr15	-2.12228	1	-4.97361	1.78284	0	Down
NM_007562	Bnc1	-2.12228	1	-4.97361	0.493216	0	Down
NM_016908	Syt5	-2.12228	1	-4.97361	1.31421	0	Down
NM_029070	Cldn26	-2.12228	1	-4.97361	1.63575	0	Down
NM_174993	Fmr1nb	-2.12228	1	-4.97361	2.47298	0	Down
NM_175017	4933427D06Rik	-2.12228	1	-4.97361	0.877477	0	Down
NR_033556	A630010A05Rik	-2.12228	1	-3.97361	1.41792	0.0442608	Down
NM_001163521	1700034F02Rik	-2.12185	1	-2.77067	6.18557	0.834003	Down
NM_001163608	Plxdc1	-2.12137	1	-2.53081	10.6279	1.7299	Down
NM_145588	Kif22	-2.12004	1	-2.84962	5.23372	0.660867	Down
NM_029602	Znrd1as	-2.11671	1	-2.44179	48.5782	8.45032	Down
NM_001163551	4930432K09Rik	-2.11363	1	-2.71331	11.5191	1.62546	Down
NM_001024712	Gm3696	-2.11228	1	-2.68743	7.68936	1.10757	Down
NM_001177858	Trim43c	-2.10392	1	-3.44073	3.25701	0.252531	Down
NM_028180	1700030F18Rik	-2.09462	1	-2.90851	14.4773	1.73408	Down
NM_144553	Dlgap5	-2.0909	1	-2.8216	3.574	0.460199	Down
NM_030263	Psd3	-2.09019	1	-2.33327	8.50732	1.60087	Down
NM_198092	Usp2	-2.08891	1	-2.33093	21.1764	3.99148	Down

NM_177706	Gm4922	-2.08527	1	-2.77197	5.00132	0.670659	Down
NM_001003920	Brsk1	-2.0833	1	-3.37443	2.3262	0.191698	Down
NM_008545	Mageb3	-2.08119	1	-3.60861	1.95092	0.123671	Down
NM_175554	Clspn	-2.08119	1	-3.60861	0.909282	0.0576403	Down
NM_001177580	Gm13308	-2.07976	1	-2.82804	24.5279	3.1365	Down
NM_001081370	Shank2	-2.07915	1	-3.47111	0.978271	0.0728473	Down
NM_175124	Lrrc28	-2.07833	1	-2.33718	24.4449	4.58501	Down
NM_027418	Mapk6	-2.07713	1	-2.19982	74.1915	15.3587	Down
NM_009862	Cdc45	-2.07602	1	-2.54624	10.8621	1.74201	Down
NM_001136080	Sgca	-2.07555	1	-3.53	3.52033	0.24502	Down
NM_001013760	Gm4937	-2.07554	1	-4.93054	2.20809	0	Down
NM_001081388	Rimbp2	-2.07554	1	-4.93054	0.523024	0	Down
NM_001081661	4930524E20Rik	-2.07554	1	-4.93054	3.00158	0	Down
NM_010759	Mageb1	-2.07554	1	-3.93054	1.95116	0.0628092	Down
NM_028790	Acot12	-2.07554	1	-4.93054	0.731444	0	Down
NM_031171_2	Mageb2	-2.07554	1	-3.93054	2.2459	0.0722971	Down
NM_080728	Myh7	-2.07554	1	-4.93054	0.36838	0	Down
NM_199257	Tpte	-2.07554	1	-3.93054	0.874921	0.0281644	Down
NM_001163833	Msl3l2	-2.07319	1	-2.51383	12.2451	2.01283	Down
NM_009863	Cdc7	-2.07284	1	-2.78845	3.67301	0.485074	Down
NM_001145832	Kifc3	-2.07147	1	-2.42789	13.2862	2.33008	Down
NM_001168240	Irak1bp1	-2.07007	1	-2.5364	12.8934	2.08261	Down
NM_018797	Plxnc1	-2.06903	1	-2.58153	2.80988	0.438247	Down
NM_001110159	Nxt1	-2.06434	1	-2.39311	41.9454	7.5464	Down
NM_010637	Klf4	-2.06371	1	-2.40552	13.76	2.45278	Down
NM_026298	Ift172	-2.06258	1	-2.19338	49.0995	10.2084	Down
NM_013456	Actn3	-2.06073	1	-3.45383	2.00169	0.150874	Down
NM_023232	Diablo	-2.06061	1	-2.21265	102.005	20.919	Down
NM_029264	Tll10	-2.06027	1	-2.3077	33.4719	6.41046	Down
NM_022019	Dusp10	-2.05822	1	-2.70927	4.70273	0.66179	Down
NM_007525	Bard1	-2.05655	1	-2.82474	1.75256	0.224017	Down
NM_010900	Nfatc2ip	-2.05635	1	-2.54911	6.23287	0.99592	Down
NM_028050	1600016N20Rik	-2.05574	1	-2.33571	29.7225	5.57634	Down
NM_001004182	Gm5567	-2.05486	1	-3.51064	1.6454	0.116091	Down
NM_153409	Csrnp3	-2.0536	1	-2.76995	1.00569	0.134541	Down
NR_003523	H2afy3	-2.05353	1	-3.08254	3.97516	0.41324	Down
NM_010327	Gp1bb	-2.05266	1	-3.34558	3.69784	0.310952	Down
NM_019703	Pfkip	-2.05148	1	-2.28159	22.1528	4.32259	Down
NM_001081117	Mki67	-2.05086	1	-2.31079	6.93817	1.32537	Down
NM_177195	Atp8b5	-2.05066	1	-2.58658	4.03453	0.625804	Down
NM_013460	Adra1d	-2.05038	1	-3.6675	1.57202	0.0899636	Down
NM_183262	Stk35	-2.0502	1	-2.28755	13.4254	2.60826	Down
NM_001172107	Gramd1c	-2.04955	1	-2.30884	21.4227	4.09796	Down
NM_001081429	Ccdc15	-2.04804	1	-2.51496	6.58376	1.07941	Down
NM_153777	Lrrc56	-2.04393	1	-2.41988	16.1857	2.85151	Down
NM_009174	Siah2	-2.04244	1	-2.40302	15.0422	2.6835	Down
NM_001033345	Gm216	-2.04	1	-3.29214	3.48299	0.307529	Down
NM_027485	Med26	-2.03909	1	-2.38452	13.324	2.40957	Down
NR_033120	Klk1b7-ps	-2.03706	1	-3.76061	6.68928	0.320495	Down
NM_029408	Iqcd	-2.03434	1	-2.39876	21.8939	3.91665	Down
NM_027513	Nup205	-2.0343	1	-2.19301	28.7813	5.98258	Down
NM_058214	Recql4	-2.0341	1	-2.75122	2.701	0.366094	Down
NM_145526	P2rx3	-2.03173	1	-2.52518	4.95668	0.805293	Down
NM_027246	Snrpf	-2.02936	1	-2.47111	31.289	5.29823	Down
NM_001029837	Pik3cd	-2.02926	1	-2.40971	6.86391	1.21754	Down
NM_001012726	Aym1	-2.02724	1	-4.88615	4.09182	0	Down
NM_001104619	Vmn2r6	-2.02724	1	-4.88615	0.869759	0	Down
NM_001190333	Ccr6	-2.02724	1	-3.88615	1.38938	0.0461678	Down
NM_018781	Egr3	-2.02724	1	-3.88615	1.52576	0.0506998	Down
NM_022031	Hapln2	-2.02724	1	-3.88615	1.05133	0.0349348	Down
NM_028708	Jakmip3	-2.02724	1	-3.88615	0.419104	0.0139265	Down
NM_031389	Nlrp4c	-2.02724	1	-4.88615	0.597809	0	Down
NM_146663	Olfir733	-2.02724	1	-3.88615	2.17352	0.0722243	Down
NM_153589	Ano2	-2.02724	1	-4.88615	0.550161	0	Down
NM_177834	Cpa6	-2.02724	1	-4.88615	1.11942	0	Down
NM_207546	Vmn1r181	-2.02724	1	-4.88615	1.98574	0	Down
NM_028484	1700037C18Rik	-2.02304	1	-2.38958	32.7182	5.88987	Down
NM_178898	Zfp956	-2.02251	1	-2.28026	25.3268	4.94213	Down
NM_001081037	Srgap1	-2.02224	1	-2.71131	3.30705	0.462625	Down
NM_001166164	Ccdc74a	-2.02055	1	-2.75404	7.90726	1.06731	Down
NM_001141932	Rbms1	-2.02004	1	-2.31218	21.6232	4.1217	Down
NM_001142937	Moap1	-2.01928	1	-2.29262	16.936	3.27474	Down
NM_026239	Tmem35	-2.01309	1	-2.65482	6.64953	0.973183	Down
NM_008234	Hells	-2.013	1	-2.70243	3.71665	0.523154	Down
NM_146171	Ncapd2	-2.01185	1	-2.29597	12.7837	2.46513	Down
NM_026316	Aldh3b1	-2.01171	1	-2.53134	10.1953	1.64586	Down

NM_178118	Dixdc1	-2.01143	1	-2.43477	4.76648	0.828792	Down
NM_028059	Zfp654	-2.01046	1	-2.14747	49.6296	10.6514	Down
NM_001122873	Ubl7	-2.0068	1	-2.36458	27.2845	5.0001	Down
NM_001190984	Lancl1	-2.00576	1	-2.15441	47.223	10.0842	Down
NM_175173	Wdr27	-2.00371	1	-2.6935	4.04163	0.572454	Down
NM_007694	Chgb	-2.00265	1	-3.34558	2.21855	0.183877	Down
NM_015803	Atp8a2	-2.00101	1	-2.36068	9.96694	1.8313	Down
NM_001159527	Wdr35	-1.99997	1	-2.26137	15.4127	3.04688	Down
NM_001110322	Cd72	-1.99926	1	-2.37216	25.9765	4.73168	Down
NM_001166659	Lekr1	-1.99793	1	-2.50213	8.89764	1.46778	Down
NM_007456	Ap1m1	-1.997	1	-2.29542	26.5429	5.11748	Down
NM_001167763	Ift122	-1.99533	1	-2.27717	14.285	2.79109	Down
NM_001163233	Fancg	-1.99525	1	-2.37647	12.1485	2.20527	Down
NM_026319	Ift74	-1.99432	1	-2.3345	19.22	3.59974	Down
NM_019930	Ranbp9	-1.99431	1	-2.14455	63.6426	13.6834	Down
NM_025766	Fam187a	-1.99287	1	-3.61407	2.31864	0.137795	Down
NR_027969	4930441O14Rik	-1.99287	1	-3.61407	1.24623	0.0740622	Down
NM_001040435	Tacc3	-1.99237	1	-2.4222	9.98268	1.75033	Down
NM_016692	Incenp	-1.99144	1	-2.48606	6.28255	1.04886	Down
NM_172746	Hirip3	-1.98501	1	-2.34151	14.7379	2.7447	Down
NM_001081089	Gpat2	-1.98468	1	-2.54911	6.0199	0.95612	Down
NM_001001496	Gja6	-1.98447	1	-3.51841	2.10772	0.142372	Down
NM_001195727	Gm5901	-1.98243	1	-2.56967	14.6759	2.29273	Down
NM_008168	Grik5	-1.98086	1	-2.47111	5.32049	0.897855	Down
NM_001173460	Sirpb1b	-1.97978	1	-3.11321	4.75179	0.479886	Down
NM_001038710	Tmod2	-1.97855	1	-2.27144	5.36907	1.05278	Down
NM_001114678	Gm5072	-1.97726	1	-4.84034	2.02009	0	Down
NM_008782	Pax5	-1.97726	1	-4.84034	1.73078	0	Down
NM_009292	Stra8	-1.97726	1	-4.84034	1.43697	0	Down
NM_010024	Dct	-1.97726	1	-4.84034	0.923901	0	Down
NM_011648	Tshr	-1.97726	1	-3.84034	0.484877	0.0166491	Down
NM_029465	Clec4g	-1.97726	1	-4.84034	1.69295	0	Down
NM_144817	Camk1g	-1.97726	1	-3.84034	0.852339	0.0292666	Down
NM_175007	Amph	-1.97726	1	-3.84034	0.654394	0.0224698	Down
NM_175235	Celf6	-1.97726	1	-4.84034	0.756162	0	Down
NM_011517	Sycp3	-1.97558	1	-2.3806	25.8398	4.67089	Down
NM_015736	Galnt3	-1.97358	1	-2.17524	29.5684	6.21643	Down
NM_198111	Akap6	-1.9731	1	-3.27081	0.631535	0.055961	Down
NM_023635	Rab27a	-1.97183	1	-2.61507	4.17548	0.628262	Down
NM_009584	Dnajc2	-1.97176	1	-2.16024	60.8659	12.9344	Down
NM_010785	Mdm1	-1.97119	1	-2.337	11.4296	2.13426	Down
NM_001173459	LOC100038947	-1.96904	1	-3.43047	3.90326	0.291359	Down
NM_010258	Gata6	-1.96904	1	-3.43047	1.50558	0.112384	Down
NR_015535	4930567H12Rik	-1.96904	1	-3.43047	5.03541	0.375869	Down
NM_001039228	Gm6583	-1.9677	1	-3.00162	3.21468	0.35365	Down
NM_026103	Vsig1	-1.96737	1	-2.34712	13.1131	2.42967	Down
NM_019445	Fmn2	-1.96446	1	-3.6935	0.44356	0.0222884	Down
NM_145158	Emilin2	-1.9624	1	-2.55857	3.61833	0.569187	Down
NM_172275	Trafd1	-1.96113	1	-2.13823	56.1994	12.1296	Down
NM_178252	Arhgap33	-1.96107	1	-2.48225	4.10611	0.685901	Down
NM_001146023	Fam98c	-1.95521	1	-2.25439	39.9265	7.9202	Down
NM_146240	Rassf9	-1.95488	1	-2.72745	4.21185	0.576226	Down
NR_033541	Gm10389	-1.95335	1	-2.67374	2.89382	0.414019	Down
NM_026507	Zwilch	-1.95329	1	-2.40754	8.31108	1.46986	Down
NM_011889	Sept3	-1.95289	1	-2.98768	1.50257	0.16692	Down
NM_025651	Aste1	-1.952	1	-2.31455	12.7842	2.42519	Down
NM_007658	Cdc25a	-1.95144	1	-2.38865	6.84055	1.2272	Down
NM_011012	Oprl1	-1.94923	1	-3.29554	1.97911	0.169891	Down
NM_026056	Cap2	-1.94539	1	-2.51841	4.11527	0.667275	Down
NM_133923	Till3	-1.94537	1	-2.43211	6.51482	1.13002	Down
NM_001142939	AKO10878	-1.9453	1	-2.20965	16.6282	3.40703	Down
NM_001170975	Dbndd1	-1.94448	1	-2.50324	10.308	1.69141	Down
NR_030763	Smok4a	-1.94323	1	-2.89995	3.12686	0.371653	Down
NM_001081411	Scft1	-1.93678	1	-2.09908	53.7928	11.9335	Down
NM_019832	Gkap1	-1.93405	1	-2.08031	130.846	29.4163	Down
NM_001167914	Atxn3	-1.93386	1	-2.19568	64.4068	13.3265	Down
NM_016912	Cdkl2	-1.93336	1	-2.14645	24.1813	5.1849	Down
NM_025740	Ccdc104	-1.93232	1	-2.07012	146.341	33.1379	Down
NM_134041	4930427A07Rik	-1.93225	1	-2.52123	4.23766	0.684743	Down
NM_001145895	1700019G17Rik	-1.93137	1	-2.49758	13.5188	2.22558	Down
NM_146142	Tdrd7	-1.92828	1	-2.10828	37.6858	8.30403	Down
NM_001177714	Gm2897	-1.92721	1	-2.43869	9.20143	1.58574	Down
NM_011537	Tbx5	-1.92673	1	-3.65873	0.707363	0.0364329	Down
NM_080856	Asb14	-1.92673	1	-3.65873	1.53593	0.0791085	Down
NM_001081099	2610002D18Rik	-1.92552	1	-3.79304	1.59141	0.0565283	Down
NM_001081263	Slc44a5	-1.92552	1	-4.79304	0.493431	0	Down

NM_001105181	Vmn2r68-ps	-1.92552	1	-4.79304	0.790726	0 Down
NM_011635	Trap1a	-1.92552	1	-4.79304	1.72155	0 Down
NM_032005	Tbx19	-1.92552	1	-4.79304	0.759239	0 Down
NM_198598	Rhox11	-1.92552	1	-4.79304	2.51068	0 Down
NM_025751	4933425L06Rik	-1.92487	1	-3.32672	2.42326	0.199697 Down
NM_177083	B430306N03Rik	-1.92487	1	-3.32672	1.50981	0.124421 Down
NM_029338	Rsph9	-1.92373	1	-2.27986	38.0278	7.39249 Down
NM_029017	Mrpl47	-1.92268	1	-2.30995	35.0862	6.66866 Down
NM_021436	Tmeff1	-1.92189	1	-2.57802	4.76606	0.734961 Down
NM_172450	4930539E08Rik	-1.91956	1	-3.17893	1.47153	0.140644 Down
NM_001199151	Sncap	-1.91894	1	-3.05607	1.88463	0.198099 Down
NM_001198808	Sfmbt2	-1.91781	1	-2.18262	8.01438	1.67319 Down
NM_133350	Mapre3	-1.91522	1	-2.378	11.4814	2.07162 Down
NM_010480	Hsp90aa1	-1.91245	1	-1.97563	358.197	86.6782 Down
NM_022419	Abhd8	-1.91195	1	-2.19874	26.9994	5.56968 Down
NM_053074	Nup62	-1.90994	1	-2.16086	28.9705	6.14319 Down
NM_001048008	Agtpbp1	-1.90985	1	-2.10216	39.6157	8.76403 Down
NM_144849	Ankrd54	-1.90838	1	-2.10097	61.1205	13.5325 Down
NM_001165919	1700123I01Rik	-1.90746	1	-3.44686	2.50601	0.178031 Down
NM_013866	Zfp385a	-1.90729	1	-2.682	3.77212	0.532713 Down
NM_026916	4930579G22Rik	-1.90657	1	-2.31332	44.0575	8.34513 Down
NM_177887	Tmem150b	-1.90437	1	-3.30761	1.82623	0.15253 Down
NM_029339	Ccdc101	-1.90421	1	-2.32452	22.2946	4.18678 Down
NM_019706	Rnf138	-1.90285	1	-2.10921	33.3607	7.34172 Down
NM_026785	Ube2c	-1.9021	1	-3.53	3.66805	0.231335 Down
NM_176829	4931440F15Rik	-1.90074	1	-2.33932	7.32265	1.35951 Down
NM_019934	Sec1	-1.89855	1	-2.36966	11.206	2.03254 Down
NM_027590	Ints10	-1.89377	1	-2.20369	18.9993	3.90233 Down
NM_145121	Cacnb1	-1.89355	1	-2.38184	9.81148	1.7624 Down
NM_025924	Upf3a	-1.89325	1	-2.26466	23.231	4.5606 Down
NM_009832	Ccnk	-1.89285	1	-2.1995	17.741	3.65501 Down
NM_027950	Osgin1	-1.89229	1	-2.36768	10.4841	1.90369 Down
NM_001136069	Ldha	-1.89208	1	-2.01127	159.342	37.5954 Down
NM_001039472	Kif21b	-1.89094	1	-2.34335	2.46856	0.456615 Down
NM_146116	Tubb2c	-1.89025	1	-1.96984	399.515	97.0524 Down
NM_027985	Mad2l2	-1.88974	1	-2.39225	15.1457	2.69803 Down
NM_001164170	Pias2	-1.88953	1	-2.10146	45.2053	10.0006 Down
NM_025789	Rsph3a	-1.88913	1	-2.04272	89.8541	20.7315 Down
NM_053269	Rad51c	-1.8885	1	-2.47111	4.78933	0.801998 Down
NM_008350	Ii11	-1.88801	1	-3.62311	1.39816	0.073859 Down
NM_013582	Lhcgr	-1.88801	1	-3.62311	1.06464	0.0562405 Down
NM_178888	Garnl3	-1.88715	1	-2.21545	12.0785	2.45874 Down
NM_001081337	Sipa1l2	-1.88703	1	-2.22078	6.23021	1.26325 Down
NM_001001178	Ccdc148	-1.88511	1	-2.43912	3.9469	0.677619 Down
NM_018827	Crif1	-1.88244	1	-2.70632	4.74217	0.654231 Down
NM_001146049	Htatip2	-1.87881	1	-2.60235	6.51736	0.980082 Down
NM_145522	Rabepk	-1.87876	1	-2.09862	50.3539	11.1592 Down
NM_172930	Fam70a	-1.87713	1	-2.32993	6.50766	1.21502 Down
NM_001013826	Dupd1	-1.87184	1	-4.74413	1.76918	0 Down
NM_001195710	Tmem95	-1.87184	1	-3.74413	3.67496	0.1352 Down
NM_008693	Klk1b3	-1.87184	1	-4.74413	2.19753	0 Down
NM_017383	Cntn6	-1.87184	1	-4.74413	0.545237	0 Down
NM_021544	Scn5a	-1.87184	1	-3.74413	0.230881	0.00849396 Down
NM_138678	Butr1	-1.87184	1	-4.74413	1.89825	0 Down
NM_177664	D3Bwg0562e	-1.87184	1	-4.74413	0.342953	0 Down
NR_015580	Sox2ot	-1.87184	1	-4.74413	0.657038	0 Down
NR_033216	1700069L16Rik	-1.87184	1	-4.74413	2.77188	0 Down
NR_033618	1700128F08Rik	-1.87184	1	-4.74413	1.75802	0 Down
NM_007693	Chga	-1.87052	1	-3.50086	1.7775	0.114438 Down
NR_028286	1700026D11Rik	-1.87052	1	-3.50086	3.94954	0.254277 Down
NM_001029876	Urb2	-1.86952	1	-2.08533	15.6215	3.49442 Down
NM_001010833	Mdc1	-1.86845	1	-2.06342	14.9112	3.38839 Down
NM_144939	Frs3	-1.86726	1	-2.57646	4.60267	0.706141 Down
NM_178595	Pthr1	-1.85808	1	-2.63508	9.16008	1.33674 Down
NM_008663	Myo7a	-1.855	1	-2.07139	12.0905	2.73081 Down
NM_148958	Osbpl10	-1.85179	1	-2.30893	11.541	2.18594 Down
NM_053068	Chrac1	-1.84996	1	-2.12472	66.0076	14.3413 Down
NM_029434	Lca5	-1.8486	1	-2.50763	5.51302	0.892923 Down
NM_019464	Sh3glb1	-1.84842	1	-1.96717	72.0402	17.5251 Down
NM_026403	2610027L16Rik	-1.84833	1	-2.13456	13.5635	2.92565 Down
NR_027879	4930583K01Rik	-1.84823	1	-3.58658	2.99924	0.162607 Down
NM_028805	Katnb1	-1.84621	1	-2.2446	8.11897	1.61399 Down
NM_183046	Kif20b	-1.84585	1	-2.28275	4.20939	0.81302 Down
NM_021714	Wbp11	-1.84449	1	-2.02883	44.2942	10.3124 Down
NM_134095	Pppde2	-1.84434	1	-2.07477	26.9339	6.06684 Down
NM_172941	Zkscan17	-1.84429	1	-2.06624	20.7585	4.70471 Down

NM_009266	Sephs2	-1.84175	1	-2.03442	50.7265	11.762	Down
NM_198607	4930572J05Rik	-1.8396	1	-2.38865	10.3041	1.83337	Down
NM_016795	Srpk1	-1.83956	1	-1.98213	80.712	19.4251	Down
NM_001083945	Rsph3b	-1.83916	1	-1.95818	174.621	42.7454	Down
NM_030724	Uck2	-1.83907	1	-2.18111	27.6162	5.75403	Down
NM_001081347	Rhobtb1	-1.83332	1	-2.25272	5.80506	1.14613	Down
NM_001005508	Arhgap30	-1.83257	1	-2.26985	5.17222	1.00799	Down
NM_028935	Zfp558	-1.83013	1	-2.27734	5.7911	1.12203	Down
NM_011481	Srms	-1.82998	1	-3.30118	1.72385	0.140932	Down
NM_028813	Vit	-1.82816	1	-2.39094	5.35508	0.950175	Down
NM_001168501	Zfp57	-1.82217	1	-2.56422	5.16998	0.796746	Down
NM_027049	1700008O03Rik	-1.81939	1	-3.22854	5.35511	0.472827	Down
NM_028492	Ccdc103	-1.81725	1	-2.44602	6.58211	1.11675	Down
NM_010050	Dio2	-1.81635	1	-3.17155	0.922847	0.0864208	Down
NM_001033425	Zscan10	-1.81612	1	-3.6935	0.695641	0.0265401	Down
NM_001141983	Golga7b	-1.81612	1	-4.6935	0.664445	0	Down
NM_008497	Lhb	-1.81612	1	-4.6935	3.69687	0	Down
NM_010611	Kcnq2	-1.81612	1	-4.6935	0.677605	0	Down
NM_130880	Otud7a	-1.81612	1	-3.6935	0.543689	0.0207428	Down
NM_133204	Zscan5b	-1.81612	1	-4.6935	0.955668	0	Down
NM_029852	Ccdc41	-1.81127	1	-2.06998	20.6558	4.66425	Down
NM_001081336	Dgkh	-1.8086	1	-2.05607	16.9006	3.85467	Down
NM_001145360	Gm9047	-1.80733	1	-3.54911	3.9917	0.222263	Down
NM_011374	St8sia1	-1.80733	1	-3.54911	0.286675	0.0159624	Down
NM_026862	Cd177	-1.80733	1	-3.54911	0.950125	0.0529042	Down
NM_052823	Fxyd2	-1.80733	1	-3.54911	4.08012	0.227187	Down
NM_010119	Ehd1	-1.8055	1	-1.99943	33.6199	7.9868	Down
NM_009109	Ryr1	-1.80526	1	-3.44073	0.208689	0.0140198	Down
NM_001171024	Nup62-il4i1	-1.80371	1	-2.37443	6.09056	1.09247	Down
NM_001025605	Gm527	-1.80237	1	-2.4222	8.2412	1.42306	Down
NM_001114131	Ppp4r1	-1.80176	1	-2.00953	24.6007	5.80148	Down
NM_001163378	2700049A03Rik	-1.80115	1	-2.0545	11.0773	2.52882	Down
NM_145990	Cdk5rap2	-1.80058	1	-1.95017	31.5067	7.75184	Down
NM_026883	1500011H22Rik	-1.80005	1	-2.03925	72.458	16.7244	Down
NM_001033259	Ccdc109a	-1.79969	1	-2.40185	8.91364	1.56396	Down
NM_001099637	Cep170	-1.79964	1	-1.99234	15.5778	3.71904	Down
NM_026502	1110004E09Rik	-1.79848	1	-2.03145	64.3596	14.9384	Down
NM_007389	Chrna1	-1.79796	1	-3.34558	0.877663	0.0669692	Down
NM_001034059	Ccdc160	-1.7958	1	-2.84034	4.17432	0.514128	Down
NM_212446	Psmf1	-1.79106	1	-1.95824	39.9426	9.76941	Down
NR_026907	Wbscr25	-1.79042	1	-1.96273	64.2854	16.7229	Down
NM_177922	Mapk15	-1.78968	1	-2.65168	3.64714	0.520764	Down
NM_178375	Zswim3	-1.78879	1	-2.21225	8.94164	1.81547	Down
NM_001042623	Phc1	-1.78855	1	-2.01941	20.5692	4.81465	Down
NM_008153	Cmklr1	-1.78826	1	-2.39955	4.31141	0.757023	Down
NM_001081072	Slc27a6	-1.78821	1	-3.05607	2.38748	0.248699	Down
NM_028759	Dcaf6	-1.78519	1	-1.9298	56.5767	14.1193	Down
NM_009878	Cdkn2d	-1.78464	1	-2.23664	16.7373	3.33517	Down
NM_177449	Lrrc29	-1.78272	1	-2.15112	16.1638	3.43462	Down
NM_175389	Rg9mtd2	-1.78251	1	-2.1586	7.59997	1.6059	Down
NM_001042699	4831426119Rik	-1.77818	1	-2.30537	2.93592	0.554676	Down
NM_029295	Cklf	-1.77533	1	-2.2502	31.0869	6.12709	Down
NM_026050	2810453I06Rik	-1.77361	1	-2.00294	32.6489	7.73039	Down
NM_016846	Rgl1	-1.77211	1	-2.04094	14.4334	3.32451	Down
NM_010116	Klk1b9	-1.77148	1	-3.40971	3.60481	0.247555	Down
NM_029354	Mzt2	-1.77128	1	-2.0982	38.2966	8.45854	Down
NM_008014	Ppm1g	-1.77122	1	-1.90483	100.017	25.4004	Down
NM_027918	1300017J02Rik	-1.77092	1	-3.03995	2.69581	0.284008	Down
NM_023579	Ipo5	-1.76672	1	-1.89523	50.741	12.9733	Down
NM_001111078	Uhrf1	-1.76454	1	-2.13913	8.70653	1.86497	Down
NM_175307	Fam46b	-1.76322	1	-2.31499	6.36618	1.19233	Down
NM_010598	Kcnab2	-1.76318	1	-2.56687	2.13225	0.325398	Down
NM_001145779	Kif2a	-1.76316	1	-1.97801	23.1183	5.57149	Down
NM_001166406	Kif20a	-1.76047	1	-2.07431	11.6058	2.60766	Down
NM_053208	Egln2	-1.75973	1	-1.90075	91.9206	23.4079	Down
NM_001033372	Gm648	-1.75818	1	-4.64103	1.74232	0	Down
NM_001168274	Gsdmc2	-1.75818	1	-4.64103	0.783744	0	Down
NM_007733	Col19a1	-1.75818	1	-3.64103	0.171885	0.00681	Down
NM_028066	F11	-1.75818	1	-4.64103	0.807494	0	Down
NM_146335	Olfir19	-1.75818	1	-3.64103	1.9484	0.0771946	Down
NR_027507	Tspy-ps	-1.75818	1	-3.64103	5.64491	0.223648	Down
NR_036631	Zim3	-1.75818	1	-4.64103	0.56204	0	Down
NM_015771	Lats2	-1.75724	1	-2.04973	9.12949	2.08831	Down
NM_008230	Hdc	-1.75556	1	-2.40738	4.51334	0.784931	Down
NM_173068	Syt7	-1.75547	1	-2.66375	0.968807	0.136565	Down
NM_001199961_2	Ccl27b	-1.75542	1	-2.23504	29.2471	5.82392	Down

NM_001199962_2	Gm13306	-1.75542	1	-2.23504	29.2471	5.82392	Down
NM_001199964_2	Gm2506	-1.75542	1	-2.23504	29.2471	5.82392	Down
NM_172749	Zfp646	-1.75532	1	-1.88116	38.2483	9.87553	Down
NM_178278	Caps2	-1.75221	1	-3.16625	1.69182	0.156067	Down
NR_030773	Zfp821	-1.74825	1	-2.09859	16.5134	3.6426	Down
NM_133700	Btbd10	-1.74436	1	-1.93887	40.1353	9.94374	Down
NM_175535	Arhgap20	-1.74259	1	-2.05021	6.71304	1.53419	Down
NM_001174155	Rasgrp4	-1.74225	1	-2.07377	8.00791	1.79865	Down
NM_027664	Rimklb	-1.74187	1	-1.94987	22.4676	5.52238	Down
NM_025768	Grtp1	-1.7416	1	-2.08896	25.9087	5.75424	Down
NM_001159369	Polc	-1.73884	1	-2.25133	2.13189	0.418742	Down
NM_199306	Wdtdc1	-1.73817	1	-1.94183	22.4687	5.55413	Down
NM_023247	Ndufaf3	-1.7375	1	-1.94027	88.6348	21.9343	Down
NM_176844	Chrna5	-1.73692	1	-3.378	1.11997	0.0786607	Down
NM_010443	Hmox2	-1.73275	1	-1.88492	131.112	33.7503	Down
NM_011755	Zfp35	-1.73031	1	-1.97915	20.9561	5.0417	Down
NM_001195034	Acpt	-1.72927	1	-3.20807	3.21744	0.280872	Down
NM_025351	Chchd6	-1.72898	1	-2.00225	47.1634	11.1576	Down
NM_027354	Poc1a	-1.72787	1	-2.77692	3.59284	0.462625	Down
NM_144843	Mtmr6	-1.72473	1	-1.88284	39.882	10.2801	Down
NM_145076	Trim24	-1.724	1	-1.93594	21.3656	5.30203	Down
NM_182993	Slc17a7	-1.72386	1	-3.03815	1.8727	0.19535	Down
NM_001014900	Zmynd12	-1.72334	1	-2.6935	4.16768	0.57242	Down
NM_001162532	Fam174b	-1.72095	1	-2.38538	3.79954	0.670192	Down
NM_177052	Kif6	-1.72069	1	-2.5266	2.07419	0.325583	Down
NM_009359	Tex9	-1.72045	1	-2.10854	21.5756	4.71785	Down
NM_008568	Mcm7	-1.71976	1	-2.00095	20.8846	4.94387	Down
NM_008012	Akr1b8	-1.71928	1	-2.48371	6.09279	0.99098	Down
NM_178630	Agbl3	-1.71737	1	-2.0717	8.67648	1.94969	Down
NM_001033220	AU021092	-1.71209	1	-2.30936	8.9402	1.67443	Down
NM_178378	lqcg	-1.71167	1	-1.9284	20.3697	5.08081	Down
NM_198630	1810024B03Rik	-1.71006	1	-3.26466	2.80754	0.226828	Down
NM_057171	Bag6	-1.70908	1	-1.90819	26.0127	6.58278	Down
NM_028534	Smap1	-1.7082	1	-1.89341	49.0843	12.5531	Down
NM_001199736	Gm9524	-1.70781	1	-2.12259	4.81076	1.04024	Down
NM_029497	Urb1	-1.70734	1	-1.91458	12.1123	3.05099	Down
NM_001033290	Gpr55	-1.70628	1	-2.67756	2.43242	0.33784	Down
NM_001014394	Gpr113	-1.70625	1	-2.51293	2.33884	0.370654	Down
NM_001097644	Ccny1	-1.70466	1	-1.97549	18.2274	4.39336	Down
NM_177607	4933430I17Rik	-1.7043	1	-3.02	3.04882	0.322113	Down
NM_001164614	Ccdc159	-1.70358	1	-2.30118	7.89402	1.48693	Down
NM_025717	Rbm4b	-1.70177	1	-1.88103	64.3583	16.6034	Down
NM_133778	Fam131a	-1.70081	1	-2.16259	8.5927	1.80189	Down
NM_010322	Gnpat	-1.69957	1	-1.90661	29.825	7.55441	Down
NM_007957	Esx1	-1.69784	1	-4.58658	1.08895	0	Down
NM_019538	Plac1	-1.69784	1	-4.58658	1.62834	0	Down
NM_145493	Cplx4	-1.69784	1	-4.58658	0.992212	0	Down
NM_173779	Ankrd58	-1.69784	1	-4.58658	1.10694	0	Down
NM_021504	Ngly1	-1.69711	1	-1.90579	30.1738	7.64682	Down
NM_001033155	Dnajb14	-1.6955	1	-2.00741	21.9132	5.1584	Down
NM_138586	Exosc5	-1.69452	1	-2.05445	30.0133	6.82397	Down
NM_019691	Gria4	-1.69264	1	-2.4584	1.43301	0.237238	Down
NM_028947	Arl13a	-1.69264	1	-2.4584	4.48083	0.741813	Down
NM_001102615	Kif19a	-1.6919	1	-3.05607	1.44136	0.146384	Down
NM_177322	Agtr1a	-1.69166	1	-2.49912	3.1429	0.502914	Down
NM_134033	Ccdc117	-1.68954	1	-1.90031	25.1436	6.39596	Down
NM_177710	Ssh2	-1.68695	1	-1.88308	22.4651	5.78535	Down
NM_015755	Hunk	-1.68242	1	-2.1687	3.50621	0.730952	Down
NM_008052	Dtx1	-1.68085	1	-2.5155	1.83847	0.289869	Down
NM_011485	Star	-1.67875	1	-1.97474	11.0792	2.66954	Down
NM_008727	Npr1	-1.67837	1	-2.06547	6.58354	1.4835	Down
NM_001013774	Kpna7	-1.67722	1	-3.43047	1.05407	0.063871	Down
NM_001105561	Gm11545	-1.67722	1	-3.43047	0.879896	0.0533167	Down
NM_153572	Katnal1	-1.67666	1	-1.91899	10.5496	2.64683	Down
NM_001199265	Epb4.1l2	-1.6759	1	-1.87272	22.0768	5.72626	Down
NM_134092	Mtbp	-1.67557	1	-2.26629	3.90139	0.753531	Down
NM_009881	Cdyl	-1.67502	1	-1.85504	33.4291	8.78094	Down
NM_029122	lqca	-1.67284	1	-2.1777	5.08042	1.05115	Down
NM_011506	Sucla2	-1.67122	1	-1.84615	57.5926	15.2232	Down
NM_008258	Hn1	-1.67092	1	-1.84662	88.6301	23.4193	Down
NM_029749	Usp42	-1.66946	1	-1.88022	16.4286	4.23776	Down
NM_007976	F5	-1.66939	1	-2.30429	1.44919	0.271421	Down
NM_025275	Amz2	-1.66908	1	-1.86387	34.9702	9.12684	Down
NM_153129	Pacs1	-1.66814	1	-1.89288	17.2065	4.39807	Down
NR_028360	1700018L02Rik	-1.66672	1	-2.29214	8.83038	1.66956	Down
NM_198108	Morn4	-1.66533	1	-1.96545	23.6403	5.73221	Down

NM_021488	Ghrl	-1.66532	1	-2.50086	12.8277	2.04339	Down
NM_172708	Dok7	-1.6652	1	-3.31241	1.17886	0.086739	Down
NM_173447	Ephb1	-1.6652	1	-3.31241	0.627192	0.046148	Down
NR_033117_2	Gm3020	-1.66456	1	-2.53384	7.64321	1.18523	Down
NM_011132	Pole	-1.66418	1	-2.04341	3.87129	0.886184	Down
NM_012046	Spo11	-1.66416	1	-2.20119	8.44763	1.71529	Down
NM_011766	Zfpm2	-1.66203	1	-2.47111	1.41516	0.230932	Down
NM_029881	Tmem200a	-1.66203	1	-2.47111	1.71057	0.279139	Down
NM_178608	Reep1	-1.65979	1	-1.94468	12.438	3.06137	Down
NM_011241	Rangap1	-1.65796	1	-1.81099	52.0724	14.1095	Down
NM_033217	Ngfr	-1.65707	1	-2.44414	2.15165	0.358849	Down
NM_009765	Brca2	-1.65613	1	-1.89532	6.24856	1.59384	Down
NM_024241	Kif24	-1.65506	1	-2.04281	4.70595	1.07725	Down
NM_009544	Zfp105	-1.65172	1	-1.97634	18.3274	4.40633	Down
NM_175646	Txnl4b	-1.65103	1	-1.99168	18.665	4.43697	Down
NM_008247	Ppap2a	-1.65014	1	-2.02581	20.1425	4.66849	Down
NM_016811	Dgka	-1.6498	1	-1.86826	27.7731	7.22248	Down
NM_009156	Sepw1	-1.64834	1	-1.93431	66.1342	16.3948	Down
NM_007671	Cdkn2c	-1.64779	1	-1.98156	31.4437	7.52961	Down
NM_007997	Fdxr	-1.64524	1	-2.20807	7.05893	1.42351	Down
NM_026714	Ccdc163	-1.64524	1	-2.20807	10.8501	2.18803	Down
NM_001205362	Dcun1d1	-1.64469	1	-1.80666	31.3414	8.51648	Down
NM_144527	Ccdc21	-1.64431	1	-1.81503	32.4489	8.76496	Down
NM_145475	Cerk	-1.64425	1	-1.88615	14.0888	3.6164	Down
NM_009764	Brca1	-1.6433	1	-1.99628	4.69652	1.11228	Down
NM_025386	Fbxo36	-1.64062	1	-1.99208	34.9239	8.29585	Down
NM_001025391	Sufu	-1.64049	1	-2.12822	7.24736	1.55405	Down
NM_010215	Il4i1	-1.64001	1	-2.22447	5.99216	1.19242	Down
NM_011693	Vcam1	-1.63998	1	-1.95097	11.6497	2.8522	Down
NM_001109747	Cenpw	-1.6399	1	-2.27609	6.96008	1.32946	Down
NR_003640	1700045I19Rik	-1.63921	1	-2.3191	7.84778	1.44789	Down
NM_011447	Sox8	-1.63822	1	-2.6935	1.92881	0.263321	Down
NM_198304	Nup188	-1.63633	1	-1.96384	6.31784	1.53205	Down
NM_001004193	Rhox8	-1.63487	1	-4.53	1.38692	0	Down
NM_001008424	Cdsn	-1.63487	1	-4.53	0.624582	0	Down
NM_001104573	Vmn2r111	-1.63487	1	-4.53	0.649818	0	Down
NM_001164171	Myh6	-1.63487	1	-4.53	0.275149	0	Down
NM_001191032	Cypt14	-1.63487	1	-3.53	3.29258	0.141321	Down
NM_029142	4930502E18Rik	-1.63487	1	-4.53	1.39038	0	Down
NM_029170	4930519F16Rik	-1.63487	1	-3.53	1.4345	0.0615703	Down
NM_146377	Olf127	-1.63487	1	-4.53	1.72081	0	Down
NR_028259	4932414J04Rik	-1.63487	1	-4.53	0.546433	0	Down
NM_026348	Itgb3bp	-1.63287	1	-2.0052	10.2579	2.41226	Down
NM_001127188	Zfp534	-1.63284	1	-3.05607	1.49825	0.149357	Down
NM_028713	Rftn2	-1.63246	1	-2.22495	3.24197	0.644478	Down
NM_020022	Rfc2	-1.6324	1	-1.91379	31.4031	7.89795	Down
NM_009626	Adh7	-1.63112	1	-3.38865	1.10624	0.069063	Down
NM_027116	Nkpd1	-1.63112	1	-3.38865	0.835404	0.0521547	Down
NM_177656	6820408C15Rik	-1.63078	1	-2.32355	5.34506	0.981684	Down
NM_026643	Cep5711	-1.63009	1	-1.93297	19.5919	4.85855	Down
NM_001033966	Ak2	-1.62829	1	-2.11644	17.9781	3.88677	Down
NM_153508	Clstn3	-1.62796	1	-3.27846	0.713105	0.0537492	Down
NM_013900	Mfi2	-1.62466	1	-2.90407	1.34933	0.156369	Down
NM_001098789	Ndufa4I2	-1.62335	1	-2.94504	5.361	0.597014	Down
NM_053178	Acsbg1	-1.62291	1	-1.80449	39.6559	10.788	Down
NM_008053	Fxr1	-1.62204	1	-1.76362	86.399	24.1969	Down
NM_177697	Vwa3a	-1.6215	1	-2.26861	2.20933	0.423777	Down
NM_026542	Slc25a39	-1.62142	1	-1.75142	126.764	35.8091	Down
NR_033307	4930592I03Rik	-1.6199	1	-2.25698	10.521	2.03662	Down
NM_026088	1700022I11Rik	-1.61908	1	-2.31241	2.39418	0.443154	Down
NM_008715	Ints6	-1.61883	1	-1.77504	29.4399	8.17799	Down
NM_198612	Gxylt2	-1.61783	1	-2.5951	3.20603	0.471792	Down
NM_026665	Cep57	-1.6168	1	-1.78252	51.7806	14.3071	Down
NM_027318	Znhit1	-1.61639	1	-1.88615	49.636	12.7304	Down
NM_176841	Ccdc88a	-1.61562	1	-1.80445	10.9709	2.98419	Down
NR_015459	4933431E20Rik	-1.61507	1	-1.76785	28.3438	7.91334	Down
NM_001081218	Hcfc2	-1.6134	1	-1.93291	15.5392	3.85132	Down
NM_025954	Pgp	-1.61314	1	-1.80225	98.0563	26.7129	Down
NM_011603	Tbpl1	-1.60628	1	-1.75781	53.912	15.1573	Down
NM_001033785	Akap14	-1.6053	1	-2.88615	3.0724	0.360557	Down
NM_028533	1700065D16Rik	-1.6053	1	-2.88615	1.98692	0.233172	Down
NM_027722	Nudt4	-1.60395	1	-1.68676	156.577	46.2831	Down
NM_025723	4921515J06Rik	-1.60276	1	-2.33932	3.78694	0.684375	Down
NM_026486	Tctn2	-1.60168	1	-2.10433	5.98347	1.30332	Down
NM_024472	Gltpd1	-1.60007	1	-1.83325	25.212	6.71523	Down
NM_198611	B3gnt4	-1.59684	1	-2.17565	8.57081	1.76577	Down

NM_024432	Ubxn6	-1.59536	1	-1.73049	113.246	32.4558	Down
NM_025421	Acyp1	-1.59398	1	-1.80662	123.253	33.4581	Down
NM_138581	1700088E04Rik	-1.59261	1	-1.92119	27.7548	6.93273	Down
NM_001008231	Daam2	-1.59238	1	-1.86769	8.04726	2.09019	Down
NM_177367	Gemin4	-1.59208	1	-1.84872	16.1296	4.24749	Down
NM_133777	Ube2s	-1.59055	1	-1.76432	119.212	33.3523	Down
NM_001163729	Klhdc3	-1.58945	1	-1.79854	41.738	11.3948	Down
NM_020032	Poll	-1.58868	1	-1.88858	17.6695	4.5196	Down
NM_026509	Murc	-1.58392	1	-3.14918	1.60253	0.140491	Down
NM_028897	Mei1	-1.58353	1	-3.34558	0.558801	0.0359764	Down
NM_170777	Elof1	-1.58326	1	-1.72825	158.447	45.4744	Down
NM_001136064	Bsc12	-1.5822	1	-1.80601	36.6581	9.95267	Down
NM_175563	Prr11	-1.58089	1	-2.56074	1.49329	0.225109	Down
NM_175198	Prox2	-1.58067	1	-2.0257	7.30191	1.68637	Down
NM_001033379	Dcp1b	-1.5803	1	-2.00162	6.54621	1.53946	Down
NM_025384	Dnajc15	-1.57997	1	-1.77584	143.365	39.7731	Down
NM_001013022	Odf3b	-1.57937	1	-2.95223	4.42282	0.483208	Down
NM_021790	Cenpk	-1.57937	1	-2.95223	3.77957	0.412931	Down
NM_146001	Hip1	-1.5763	1	-1.89438	4.6669	1.18814	Down
NM_008458	Serpina3c	-1.57607	1	-2.31401	4.6187	0.849597	Down
NM_024452	Luzp1	-1.57465	1	-1.70482	27.2237	7.94287	Down
NM_144914	Tmem184a	-1.57292	1	-1.90073	18.5948	4.7114	Down
NM_009274	Srpk2	-1.5723	1	-1.69835	33.8719	9.92759	Down
NM_001039934	Mtap2	-1.57206	1	-1.99094	3.95179	0.936404	Down
NM_001190786	Ddx19b	-1.57184	1	-1.71408	26.1733	7.58624	Down
NM_194335	Naif1	-1.57086	1	-2.06547	5.0518	1.13128	Down
NM_027455	Qpct	-1.57037	1	-2.15774	6.08545	1.26866	Down
NM_026641	Ift80	-1.57014	1	-1.77923	19.9196	5.51158	Down
NM_001033400	Gm806	-1.56906	1	-4.47111	0.629096	0	Down
NM_001042503	Trim71	-1.56906	1	-4.47111	0.308732	0	Down
NM_001081202	L1td1	-1.56906	1	-3.47111	0.544846	0.0244021	Down
NM_008421	Kcnc1	-1.56906	1	-3.47111	0.205821	0.00921815	Down
NM_010824	Mpo	-1.56906	1	-4.47111	0.629591	0	Down
NM_011077	Phex	-1.56906	1	-4.47111	0.255856	0	Down
NM_018826	Irx5	-1.56906	1	-4.47111	0.667057	0	Down
NM_020020	Magea8	-1.56906	1	-4.47111	0.973838	0	Down
NM_021323	Usp29	-1.56906	1	-3.47111	0.21901	0.00980885	Down
NM_029686	Pkd112	-1.56906	1	-4.47111	0.217024	0	Down
NM_198618	Dlgap3	-1.56906	1	-4.47111	0.419947	0	Down
NM_201531	Kcnf1	-1.56906	1	-4.47111	0.334712	0	Down
NR_015462	Al314831	-1.56906	1	-4.47111	0.490645	0	Down
NM_028077	1810055G02Rik	-1.569	1	-1.85502	23.7371	6.21782	Down
NM_029227	Tom20l	-1.56785	1	-2.48818	9.82249	1.56591	Down
NM_146127	Fam110a	-1.56638	1	-1.9444	15.0193	3.68369	Down
NM_009826	Rb1cc1	-1.56469	1	-1.66801	45.4992	13.6226	Down
NM_001035228	St3gal5	-1.56429	1	-2.3191	3.33504	0.610031	Down
NM_001024910	Sept10	-1.56366	1	-1.80912	32.7607	8.87038	Down
NM_001163004	Pkd212	-1.56069	1	-2.15623	5.32831	1.11121	Down
NM_025944	2810432L12Rik	-1.5601	1	-2.10116	4.53249	0.986735	Down
NM_021501	Pias4	-1.55846	1	-1.8805	21.3312	5.48253	Down
NM_021346	Zfp318	-1.55624	1	-1.76784	20.1663	5.62384	Down
NM_025920	Thap4	-1.55621	1	-1.78885	30.4907	8.37561	Down
NM_001100460	Zbtb42	-1.554	1	-1.88615	9.59831	2.45633	Down
NM_133672	Vps26a	-1.55306	1	-1.67295	78.5224	23.425	Down
NM_146096	Fam108b	-1.55179	1	-1.80231	23.0339	6.26539	Down
NM_001191044	Ddx43	-1.55067	1	-3.11881	1.45128	0.129997	Down
NM_001038998	Ccdc23	-1.54908	1	-1.92957	32.1126	7.95691	Down
NM_001162956	Ccdc138	-1.54792	1	-2.2722	3.22181	0.611359	Down
NM_001167922	Gtf2e2	-1.54535	1	-1.82018	28.6059	7.67956	Down
NM_013717	B9d1	-1.54503	1	-2.02365	21.3962	4.93849	Down
NM_133236	Glcci1	-1.54336	1	-1.79573	9.02054	2.46478	Down
NM_001142781	Fam188b	-1.54183	1	-1.92656	5.89207	1.46272	Down
NM_019995	Fam48a	-1.54171	1	-1.78204	31.1989	8.60908	Down
NM_001044704	Zscan21	-1.54012	1	-1.7675	29.7166	8.28598	Down
NM_024267	Ipo4	-1.53996	1	-1.71103	32.7331	9.50321	Down
NM_021452	Kcnmb4	-1.53967	1	-1.90036	28.2239	7.14338	Down
NM_011304	Ruvbl2	-1.53814	1	-1.73572	53.3411	15.2154	Down
NM_023879	Rpgrip1	-1.53772	1	-1.72868	18.3023	5.24695	Down
NM_001103171	Myo15	-1.53761	1	-2.86597	0.416468	0.0490292	Down
NM_009360	Tfam	-1.53592	1	-1.72179	25.6323	7.38432	Down
NR_024323	4930426L09Rik	-1.53431	1	-3.30118	1.45389	0.0966231	Down
NM_027269	1110034A24Rik	-1.53274	1	-1.89703	10.5107	2.66598	Down
NM_010804	Mllt10	-1.53016	1	-1.69197	26.8159	7.89025	Down
NM_001109657	Gas7	-1.53013	1	-1.88615	4.09147	1.04604	Down
NM_019641	Stmn1	-1.5277	1	-1.75288	65.1563	18.3541	Down
NM_011445	Sox6	-1.52685	1	-1.76274	7.67495	2.14666	Down

NM_172287	Spire2	-1.52132	1	-2.27846	3.10676	0.584667	Down
NM_175021	Samd4b	-1.52119	1	-1.72524	18.9509	5.44441	Down
NM_145946	Fanci	-1.52007	1	-1.9996	3.57593	0.839297	Down
NM_152839	Igj	-1.51642	1	-1.98078	8.32204	1.98091	Down
NR_033145	Dand5	-1.51642	1	-1.98078	14.2799	3.39908	Down
NM_008507	Sh2b3	-1.51621	1	-1.85471	12.7199	3.32633	Down
NM_175482	Usp28	-1.51586	1	-2.10559	2.67542	0.578411	Down
NM_023314	Eif4e2	-1.51445	1	-1.78427	14.2918	3.93433	Down
NM_025911	Ccdc91	-1.51393	1	-1.69903	40.6991	11.9116	Down
NM_027198	Zswim7	-1.51311	1	-2.05607	17.4232	3.91414	Down
NM_027162	Mif4gd	-1.51283	1	-1.71911	49.0167	14.1413	Down
NM_175498	Pnma2	-1.51019	1	-3.17155	0.586173	0.04767	Down
NM_016872	Vamp5	-1.50767	1	-2.23407	4.69412	0.914812	Down
NM_029327	Lymr7	-1.50682	1	-2.02792	6.45779	1.48192	Down
NM_001159583	2310028H24Rik	-1.50668	1	-2.0129	7.03869	1.63393	Down
NM_029281	Zfp820	-1.50644	1	-1.89019	6.71466	1.70977	Down
NM_001007574	A830010M20Rik	-1.50633	1	-1.88226	3.81681	0.977615	Down
NM_027268	Scrn1	-1.50568	1	-2.30118	3.72585	0.686802	Down
NR_024331	1700008J07Rik	-1.50462	1	-1.89897	9.68594	2.4501	Down
NM_029432	4930402H24Rik	-1.50423	1	-1.73145	13.5416	3.87158	Down
NM_001103182	Lin9	-1.50419	1	-2.07285	4.02795	0.892562	Down
NM_001198587	Nrxn3	-1.50405	1	-2.48949	0.6849	0.108541	Down
NM_027495	Tmem144	-1.50076	1	-1.76815	21.3761	5.95126	Down
NM_001008420	Cdh12	-1.50015	1	-4.40971	0.2719	0	Down
NM_001033539	Bex6	-1.50015	1	-4.40971	1.55976	0	Down
NM_001080811	Gm5840	-1.50015	1	-4.40971	0.975346	0	Down
NM_001205108	Ssxb6	-1.50015	1	-3.40971	2.93725	0.137531	Down
NM_007608	Car5a	-1.50015	1	-3.40971	1.23749	0.0579427	Down
NM_007959	Etv2	-1.50015	1	-4.40971	1.46302	0	Down
NM_023455	Nat8	-1.50015	1	-3.40971	1.64511	0.0770289	Down
NM_028914	4933406J08Rik	-1.50015	1	-4.40971	0.726312	0	Down
NM_029199	4930542N07Rik	-1.50015	1	-3.40971	1.59215	0.0745493	Down
NM_029971	Pmch	-1.50015	1	-4.40971	2.04979	0	Down
NM_145123	Crtac1	-1.50015	1	-3.40971	0.586103	0.027443	Down
NM_153396	Mical3	-1.49991	1	-1.65046	51.2703	15.5291	Down
NM_172660	D2Wsu81e	-1.49964	1	-1.72695	36.3632	10.4288	Down
NM_030188	Ttc30a1	-1.49764	1	-1.71091	26.3723	7.65068	Down
NR_033593	4930529C04Rik	-1.49656	1	-2.196	2.32902	0.467627	Down
NM_172407	Cdkn2aip	-1.49636	1	-1.71452	20.6645	5.97916	Down
NM_026063	2900010M23Rik	-1.49601	1	-1.70227	170.033	49.6314	Down
NM_007941	Stx2	-1.49593	1	-1.88204	8.33933	2.13532	Down
NM_183091	Tonsl	-1.49522	1	-2.20807	1.88852	0.375422	Down
NM_009793	Camk4	-1.49432	1	-2.02663	1.09081	0.250346	Down
NM_013908	Fbxw5	-1.49314	1	-1.68102	40.7699	12.0818	Down
NR_027699	Serp2	-1.49312	1	-2.41864	6.19493	1.03698	Down
NM_145409	Chtf18	-1.49293	1	-2.23529	2.37845	0.462273	Down
NM_008444	Kif3b	-1.49259	1	-1.63802	28.0826	8.58024	Down
NM_028908	4933403G14Rik	-1.49177	1	-1.82956	8.81965	2.34717	Down
NM_133728	Asnsd1	-1.48938	1	-1.62085	81.3773	25.1664	Down
NM_021557	Rdh11	-1.48917	1	-1.65152	80.9394	24.4929	Down
NM_013754	Insl6	-1.48762	1	-1.73778	83.7371	23.8215	Down
NM_001165953	Trim45	-1.48726	1	-1.96015	3.58438	0.865138	Down
NM_028354	Tdp1	-1.48548	1	-1.99253	7.12191	1.67687	Down
NM_008803	Pde8a	-1.48525	1	-1.7675	16.3387	4.54881	Down
NM_028833	Iqce	-1.48266	1	-1.71802	14.2136	4.10093	Down
NM_020333	Slc12a5	-1.48249	1	-2.32909	0.995118	0.178792	Down
NM_016707	Bcl11a	-1.48157	1	-3.05607	0.895325	0.0838435	Down
NM_010201	Fgf14	-1.48021	1	-2.20807	2.68999	0.533856	Down
NM_025638	Gdpd1	-1.47948	1	-1.67537	35.4637	10.549	Down
NM_153119	Plekho2	-1.47932	1	-1.83676	8.55429	2.26338	Down
NM_027604	Usp15	-1.47862	1	-1.59223	79.1226	24.9649	Down
NM_025852	Rexo1	-1.47851	1	-1.73686	9.85181	2.8038	Down
NM_010751	Mxd1	-1.47589	1	-1.78551	7.84999	2.15635	Down
NM_053072	Fgd6	-1.47558	1	-1.77342	4.89514	1.35657	Down
NM_001145100	Gm13718	-1.47533	1	-2.91168	1.10875	0.122371	Down
NM_024196	Tbc1d20	-1.47436	1	-1.6894	37.9063	11.1617	Down
NM_029508	Pcgf5	-1.47393	1	-2.00162	8.95986	2.09331	Down
NM_009022	Aldh1a2	-1.47344	1	-1.82474	12.7134	3.39295	Down
NM_008017	Smc2	-1.47187	1	-1.8102	5.80229	1.56507	Down
NM_001167697	Gpr19	-1.46892	1	-2.0391	6.73672	1.52835	Down
NM_001081051	D130043K22Rik	-1.46872	1	-3.13407	0.518111	0.0432736	Down
NM_175207	Ankrd9	-1.46791	1	-1.92009	7.00199	1.74005	Down
NM_153098	Cd109	-1.46198	1	-1.92831	2.87467	0.709711	Down
NM_001163103	Gm70	-1.46155	1	-1.79225	22.0638	6.02787	Down
NM_027742	Lrrfip2	-1.45924	1	-1.74209	13.3967	3.7961	Down
NM_026473	Tubb6	-1.4585	1	-1.86343	12.5479	3.252	Down

NM_001080793	Ash2l	-1.45791	1	-1.63067	47.9045	14.7049	Down
NM_145703	Kcnip2	-1.45739	1	-2.84034	5.22911	0.618126	Down
NM_010942	Nsg1	-1.45673	1	-1.96492	6.70876	1.61026	Down
NM_013629	Phtf1	-1.45555	1	-1.73692	13.0386	3.70812	Down
NM_013533	Gpr162	-1.45312	1	-2.27442	2.2927	0.429404	Down
NR_027359	5930416119Rik	-1.4529	1	-1.84034	15.776	4.15833	Down
NR_030669	1700034H15Rik	-1.45258	1	-2.08778	2.18889	0.47729	Down
NM_028696	Obfc2a	-1.44993	1	-1.68684	21.1927	6.24819	Down
NM_177588	Thnsl1	-1.44966	1	-1.73274	10.975	3.13015	Down
NM_018804	Syt11	-1.44885	1	-1.77614	7.11121	1.96494	Down
NM_009287	Stim1	-1.44849	1	-1.74606	10.7904	3.04773	Down
NM_010195	Lgr5	-1.4458	1	-3.02365	0.636127	0.060956	Down
NM_182745	1700028K03Rik	-1.4458	1	-3.02365	3.76956	0.361212	Down
NM_001038643	Slco3a1	-1.44575	1	-1.93216	5.41541	1.33179	Down
NM_013782	Ptdss2	-1.44491	1	-1.71023	22.2363	6.44532	Down
NM_001099307	Gm7173	-1.4445	1	-2.14667	2.80544	0.583048	Down
NM_001077499	Scn8a	-1.44363	1	-2.43363	0.46285	0.0762855	Down
NM_001033301	Fhdc1	-1.4428	1	-1.74717	6.26414	1.76753	Down
NM_029610	Lymr1	-1.44057	1	-1.99885	9.39435	2.19424	Down
NM_001172073	Ttc4	-1.43926	1	-1.61354	42.0869	13.0732	Down
NM_146152	Ipo13	-1.43712	1	-1.66811	17.4815	5.22225	Down
NM_027654	Pcgf6	-1.43593	1	-1.7103	21.4925	6.22782	Down
NR_028111	4930523C07Rik	-1.43495	1	-2.3191	3.04004	0.548023	Down
NM_027658	Hexim2	-1.43479	1	-1.94386	7.338	1.78733	Down
NM_026236	Wdr48	-1.43272	1	-1.60377	29.2561	9.15001	Down
NM_033079	D6Mm5e	-1.43191	1	-2.04142	4.96108	1.12009	Down
NM_001113323	Glb1l3	-1.43168	1	-1.66193	25.5305	7.65965	Down
NM_001164225	Fbxl16	-1.43061	1	-3.20807	0.577621	0.0410351	Down
NM_027239	1810065E05Rik	-1.43061	1	-3.20807	2.18497	0.155224	Down
NM_027740	Poc1b	-1.42982	1	-1.83568	7.87144	2.07975	Down
NM_013686	Tcp1	-1.42966	1	-1.50964	209.256	69.9377	Down
NM_001039106	Ddhd1	-1.42944	1	-1.58042	28.3805	9.024	Down
NM_029781	Rab36	-1.42835	1	-2.27846	2.20783	0.411017	Down
NM_001025565	Lhx9	-1.4278	1	-3.34558	0.297228	0.0145798	Down
NM_001044308	Cacna1i	-1.4278	1	-3.34558	0.149434	0.0073301	Down
NM_001163191	Otud6a	-1.4278	1	-4.34558	1.67646	0	Down
NM_007719	Ccr7	-1.4278	1	-3.34558	0.741039	0.0363499	Down
NM_007938	Epha6	-1.4278	1	-4.34558	0.347389	0	Down
NM_010278	Gfi1	-1.4278	1	-3.34558	0.511195	0.0250754	Down
NM_011388	Slc10a2	-1.4278	1	-3.34558	0.898436	0.0440706	Down
NM_021480	Tdh	-1.4278	1	-3.34558	0.778071	0.0381664	Down
NM_023493	Cml5	-1.4278	1	-4.34558	1.48433	0	Down
NM_026884	Fam57b	-1.4278	1	-3.34558	0.772731	0.0379044	Down
NM_029425	4833424O15Rik	-1.4278	1	-3.34558	0.361907	0.0177525	Down
NR_001581	Speer6-ps1	-1.4278	1	-4.34558	1.49495	0	Down
NR_015541	1700066O22Rik	-1.4278	1	-4.34558	1.52453	0	Down
NR_030735	1700086L19Rik	-1.42684	1	-1.76505	36.8462	10.2559	Down
NM_012034	Tpsg1	-1.42603	1	-3.0956	2.06158	0.17697	Down
NM_182992	Mypn	-1.42603	1	-3.0956	0.478259	0.0410547	Down
NM_001199060	Wdr12	-1.42445	1	-1.70273	14.0463	4.09111	Down
NM_028300	Pih1d2	-1.42357	1	-1.99577	9.02299	2.10982	Down
NM_001198789	Gm5918	-1.42316	1	-1.67801	72.9459	21.6287	Down
NM_001081012	4930473A06Rik	-1.41925	1	-1.72226	8.17833	2.34808	Down
NM_001033531	Klhl32	-1.41906	1	-2.49101	2.19409	0.3453	Down
NM_001111268	Grik2	-1.41906	1	-2.49101	1.04867	0.165037	Down
NM_028953	Tmc1	-1.41836	1	-2.71396	1.19777	0.158635	Down
NM_001130476	Tpst1	-1.41819	1	-1.73356	17.7021	5.04056	Down
NM_026653	Rpa1	-1.41814	1	-1.58221	39.5301	12.551	Down
NM_007603	Capn6	-1.41716	1	-2.03589	2.76575	0.626378	Down
NM_177628	Fam167a	-1.41625	1	-1.86378	4.19639	1.08492	Down
NM_007634	Ccnf	-1.41573	1	-2.01785	3.32835	0.764473	Down
NM_133347	Dhx30	-1.41533	1	-1.55267	43.5157	14.108	Down
NM_010629	Kifap3	-1.41504	1	-1.62583	18.9261	5.82486	Down
NM_017377	B4galt2	-1.41025	1	-2.00479	4.37391	1.0145	Down
NM_206882	Hist3h2bb-ps	-1.40912	1	-2.99048	6.29485	0.617557	Down
NM_138673	Stab2	-1.40883	1	-2.10027	0.985453	0.211851	Down
NM_030697	Kank3	-1.40835	1	-1.7695	10.028	2.78006	Down
NM_001134300	8430427H17Rik	-1.40796	1	-1.57233	18.632	5.95641	Down
NM_138657	Socs7	-1.40767	1	-1.6032	12.1404	3.79679	Down
NM_001034866	Pnlnc1	-1.40559	1	-2.79304	2.43451	0.297535	Down
NM_022420	Gprc5b	-1.4054	1	-1.76831	5.77566	1.60241	Down
NM_177613	Cdc34	-1.40372	1	-1.73223	24.8825	7.08837	Down
NM_009471	Umps	-1.40308	1	-1.868	5.10952	1.31583	Down
NM_172541	Tmem120a	-1.40168	1	-1.67263	35.5009	10.5608	Down
NM_010599	Kcnab3	-1.40032	1	-2.22495	2.335	0.452761	Down
NM_028315	Dis3	-1.40008	1	-1.64831	14.3992	4.35915	Down

NM_001002898	Sirpb1a	-1.39871	1	-2.73859	3.62041	0.466175	Down
NM_001025779	Cdc6	-1.39871	1	-2.73859	0.98419	0.126727	Down
NM_009319	Tarbp2	-1.39869	1	-1.7179	19.1094	5.50011	Down
NR_029475	4930581F22Rik	-1.39845	1	-1.8102	8.55929	2.30138	Down
NM_026604	Fam135a	-1.39831	1	-1.5393	24.7325	8.09272	Down
NM_028170	1700030K09Rik	-1.39779	1	-1.73414	12.3765	3.52004	Down
NM_153287	Csrnp1	-1.39702	1	-1.80637	7.18633	1.93761	Down
NR_024558	Gm11166	-1.39563	1	-2.08778	4.83566	1.04868	Down
NM_001081242	Tln2	-1.39561	1	-1.53915	12.7106	4.15931	Down
NM_008893	Pola2	-1.39483	1	-1.80918	8.3666	2.25087	Down
NM_001167679	Wdr67	-1.39479	1	-1.86737	4.53611	1.16817	Down
NM_027182	Trip13	-1.39396	1	-2.32672	2.30568	0.411682	Down
NM_001110271	Abhd14a	-1.39292	1	-1.70678	24.746	7.1791	Down
NM_008774	Pabpc1	-1.39091	1	-1.48882	115.413	39.1286	Down
NM_178890	Abtb2	-1.38967	1	-2.83368	0.810383	0.0945033	Down
NR_030731	Phf21b	-1.38967	1	-2.83368	0.997226	0.116292	Down
NM_028377	2900006K08Rik	-1.38376	1	-1.59199	34.0191	10.7195	Down
NR_038030	4930562F07Rik	-1.38231	1	-2.07518	9.48832	2.07588	Down
NM_013868	Hspb7	-1.38228	1	-2.20807	2.11496	0.414977	Down
NM_001081387	Ctcf1	-1.38205	1	-3.05607	0.758238	0.0669484	Down
NM_001195674	Gm600	-1.38203	1	-3.05607	0.950605	0.0839333	Down
NM_029851	Dync2h1	-1.37934	1	-1.47735	23.1096	7.89742	Down
NM_008770	Cldn11	-1.37902	1	-1.69653	17.7211	5.17723	Down
NM_172813	Enox1	-1.37897	1	-2.76879	1.30858	0.162686	Down
NM_183112	1700029I15Rik	-1.37699	1	-2.88615	8.99881	0.98614	Down
NM_053273	Ttyh2	-1.37668	1	-2.08254	2.19807	0.477776	Down
NM_178638	Tmem108	-1.37584	1	-3.15916	0.528549	0.03889	Down
NM_175275	Cntln	-1.37574	1	-1.72684	4.97626	1.42173	Down
NM_017404	Mrpl39	-1.36869	1	-1.58163	68.8794	21.8585	Down
NM_027988	Noxo1	-1.36762	1	-2.01685	3.92373	0.898189	Down
NM_028453	Otud3	-1.36549	1	-1.68009	20.0732	5.93243	Down
NM_016723	Uchl3	-1.36461	1	-1.831	17.2359	4.55448	Down
NM_018862	Agpat1	-1.36397	1	-1.54334	50.6727	16.5245	Down
NM_011932	Dapp1	-1.36286	1	-1.82577	5.25857	1.3949	Down
NM_008487	Arhgef2	-1.36283	1	-1.62311	11.1671	3.43929	Down
NM_001111028	Kctd9	-1.36149	1	-1.66218	11.0219	3.29974	Down
NM_001081457	Ppp2r5c	-1.36082	1	-1.51377	32.598	10.8552	Down
NM_001013368	E2f8	-1.35997	1	-2.80671	0.981857	0.116702	Down
NM_175470	Gpr61	-1.35997	1	-2.80671	0.983188	0.11686	Down
NM_001170555	Prkag2	-1.35979	1	-1.58122	28.9129	9.17629	Down
NM_018808	Dnajb1	-1.3589	1	-1.51825	54.5477	18.1063	Down
NM_001080773	Pdpk1	-1.35826	1	-1.55067	48.5834	15.759	Down
NR_027488	Senp2	-1.35768	1	-1.53734	21.4146	7.01243	Down
NM_025576	Ptpmt1	-1.35631	1	-1.63254	32.3405	9.89096	Down
NM_030172	2610021K21Rik	-1.3563	1	-2.24604	2.56001	0.485777	Down
NM_001004366	Scube3	-1.35187	1	-2.74413	1.33216	0.168523	Down
NM_001025574	5430413K10Rik	-1.35169	1	-3.27846	0.68126	0.0350885	Down
NM_001030305	Pmp2	-1.35169	1	-4.27846	1.02189	0	Down
NM_001033266	Gm525	-1.35169	1	-3.27846	2.39907	0.123564	Down
NM_029172	Fam164b	-1.35169	1	-3.27846	1.3237	0.0681776	Down
NM_080853	Slc17a6	-1.35169	1	-3.27846	0.322652	0.0166183	Down
NM_152923	Kcnq3	-1.35169	1	-4.27846	0.484315	0	Down
NM_153100	Rtp3	-1.35169	1	-4.27846	0.567763	0	Down
NM_175167	4833413D08Rik	-1.35169	1	-3.27846	0.683935	0.0352262	Down
NR_033588	AY512931	-1.35169	1	-4.27846	0.581987	0	Down
NR_033785	1700044K03Rik	-1.35169	1	-3.27846	3.69724	0.190427	Down
NM_018740	Rai12	-1.35046	1	-1.55146	54.5993	17.6978	Down
NM_194257	Fam118b	-1.34966	1	-1.53871	55.1101	18.0262	Down
NM_146039	Wdr60	-1.34567	1	-1.55742	18.9902	6.12873	Down
NM_001039126	Asb1	-1.34557	1	-1.5509	12.5706	4.07589	Down
NM_027980	2310003H01Rik	-1.34499	1	-1.68153	9.19727	2.71336	Down
NM_024263	Mxra8	-1.34488	1	-1.64885	15.6447	4.72685	Down
NM_133201	Mfn2	-1.34477	1	-1.50298	28.4058	9.52948	Down
NM_153136	Nudt18	-1.3434	1	-1.59886	13.2597	4.15368	Down
NM_001014974	Ttll4	-1.34284	1	-1.57401	14.0271	4.47322	Down
NM_025329	Tctex1d2	-1.34163	1	-1.92462	16.6777	4.09584	Down
NM_028042	Ercc8	-1.34163	1	-1.92462	4.99461	1.22661	Down
NM_175199	Hspa12a	-1.34071	1	-1.79761	2.86892	0.776389	Down
NM_177261	Kndc1	-1.337	1	-2.33545	0.668014	0.117964	Down
NM_001081971	Gm1337	-1.3367	1	-3.01543	0.487463	0.0443063	Down
NM_001166705	1700101E01Rik	-1.3367	1	-3.01543	2.54518	0.231335	Down
NR_027986	4930474M22Rik	-1.3367	1	-3.01543	3.86551	0.351342	Down
NM_021788	Sap30	-1.3365	1	-1.99765	7.06944	1.63851	Down
NM_001081329	Zkscan2	-1.33596	1	-2.22718	1.14251	0.219688	Down
NM_173778	Sh2d7	-1.33596	1	-2.22718	1.89452	0.364289	Down
NM_027914	Bbs10	-1.33474	1	-1.77596	6.35413	1.74718	Down

NM_029762	Hyls1	-1.3333	1	-1.53488	47.0417	15.4244	Down
NM_153600	Ttc26	-1.32972	1	-1.70189	5.79091	1.68206	Down
NM_001007154	Phactr3	-1.32964	1	-2.77923	0.765527	0.0927732	Down
NM_020026	B3galnt1	-1.32913	1	-1.88615	5.97578	1.51059	Down
NM_008550	Man2b2	-1.328	1	-1.53663	21.0053	6.87805	Down
NM_001013749	Tmem151b	-1.32774	1	-1.80295	3.13194	0.843555	Down
NM_010889	Neb	-1.32659	1	-1.81776	0.635291	0.16919	Down
NM_134063	BC016423	-1.32372	1	-1.41945	39.4269	14.0258	Down
NM_025979	Mastl	-1.32357	1	-1.80671	3.16105	0.848775	Down
NM_177616	Ccdc157	-1.32235	1	-1.56765	10.2267	3.27463	Down
NM_023884	Ralgs2	-1.32218	1	-1.44977	26.9743	9.39331	Down
NM_009900	Cicn2	-1.31907	1	-1.67969	6.94061	2.04836	Down
NM_008189	Guca1a	-1.31895	1	-3.10854	2.15545	0.16447	Down
NM_009384	Tiam1	-1.31873	1	-1.61074	5.172	1.6052	Down
NM_153413	Dock3	-1.31853	1	-1.61666	3.99871	1.23573	Down
NM_198421	Usp49	-1.31839	1	-1.67429	4.64536	1.37639	Down
NM_133791	Wwc2	-1.31728	1	-1.53455	13.1983	4.32717	Down
NM_178722	Zfp438	-1.31636	1	-1.58268	13.9864	4.42961	Down
NM_023058	Pkmyt1	-1.31569	1	-1.88615	5.29789	1.33794	Down
NM_001099298	Scn2a1	-1.3147	1	-2.31499	0.553373	0.099136	Down
NM_009358	Ppp2r5d	-1.31425	1	-1.4844	36.3232	12.3414	Down
NR_027414	Fbxo34	-1.31095	1	-1.59901	10.835	3.39075	Down
NM_174998	Hpcal4	-1.31084	1	-2.06368	1.40824	0.308646	Down
NM_023483	1110032A03Rik	-1.31074	1	-1.45209	85.4149	29.6913	Down
NM_144814	Rcor3	-1.3097	1	-1.61175	22.0796	6.84581	Down
NM_001033367	Nlrc4	-1.30945	1	-2.24872	1.28926	0.243169	Down
NM_026301	Rnf125	-1.30932	1	-1.79304	10.9189	2.9599	Down
NM_020570	Xrcc2	-1.30927	1	-1.74555	5.48439	1.54077	Down
NM_023277	Jam3	-1.30865	1	-1.68698	11.6745	3.42556	Down
NM_145078	2610305D13Rik	-1.30812	1	-1.99306	3.02066	0.70081	Down
NM_172705	Phf13	-1.30645	1	-1.5891	12.7444	4.01644	Down
NM_144898	Msto1	-1.30615	1	-1.54284	30.6649	9.99173	Down
NR_015524	4932415G12Rik	-1.30374	1	-1.48647	22.2647	7.55238	Down
NM_013780	Npas3	-1.30308	1	-2.60861	0.770546	0.109903	Down
NM_008162	Gpx4	-1.30305	1	-1.41285	265.235	94.7763	Down
NM_008948	Psmc3	-1.30182	1	-1.45755	76.7262	26.5649	Down
NM_199305	Tmem39b	-1.30166	1	-1.69829	11.5898	3.3714	Down
NM_001164220	Trim13	-1.30137	1	-1.69587	12.9266	3.76695	Down
NM_009975	Csnk2b	-1.30083	1	-1.39254	314.269	113.908	Down
NM_011956	Nubp2	-1.30078	1	-1.52012	45.1786	14.9606	Down
NM_020567	Gmnn	-1.29817	1	-1.82341	12.7687	3.38013	Down
NM_001081284	Gm12695	-1.29867	1	-2.75122	2.12738	0.262971	Down
NM_182927	Spred3	-1.29647	1	-1.7585	3.88329	1.0797	Down
NM_001161851	Fbxo44	-1.29453	1	-1.5576	28.9057	9.31639	Down
NM_029835	5730590G19Rik	-1.2944	1	-2.18871	0.707002	0.139671	Down
NM_198884	B4galnt3	-1.29356	1	-2.15293	1.78881	0.363683	Down
NR_029456	A330050B17Rik	-1.29205	1	-2.29423	1.06473	0.19355	Down
NM_178693	Coq4	-1.29043	1	-1.6675	11.5395	3.43238	Down
NM_153092	Nupl2	-1.29037	1	-1.63961	9.10392	2.76404	Down
NM_027482	5730508B09Rik	-1.28995	1	-1.93345	5.34762	1.29878	Down
NM_008938	Prph2	-1.28991	1	-2.97361	0.87381	0.0818286	Down
NM_183224	Fam19a3	-1.28991	1	-2.97361	0.53287	0.049901	Down
NM_175106	Tmem177	-1.28974	1	-1.71561	5.55002	1.59293	Down
NM_172857	Exd1	-1.28852	1	-1.74413	5.1222	1.43902	Down
NR_027704	Svip	-1.2838	1	-1.45393	35.4363	12.2973	Down
NM_175751	Zfp608	-1.28197	1	-1.54292	7.50294	2.44315	Down
NM_183417	Cdk2	-1.27798	1	-1.56853	15.3313	4.90021	Down
NM_001039146	Vmn1r90	-1.2767	1	-1.59375	8.05586	2.52798	Down
NR_036607	Gm3086	-1.27379	1	-2.79304	4.88294	0.571584	Down
NR_033635	9130019P16Rik	-1.27186	1	-2.01168	1.47589	0.33607	Down
NM_022994	Dap3	-1.27183	1	-1.43384	24.7268	8.70241	Down
NM_001033880	4930415L06Rik	-1.27137	1	-3.20807	0.505793	0.0274221	Down
NM_001037248_2	Gm5156	-1.27137	1	-4.20807	0.83755	0	Down
NM_001126489	Zfp735	-1.27137	1	-4.20807	0.352547	0	Down
NM_001177691	Gal3st1	-1.27137	1	-3.20807	0.817386	0.0443154	Down
NM_001205075	Phoc	-1.27137	1	-3.20807	0.630255	0.0341699	Down
NM_010642	Klk1b21	-1.27137	1	-4.20807	1.46641	0	Down
NM_013873	Sult4a1	-1.27137	1	-3.20807	0.555672	0.0301263	Down
NM_021022	Abcb11	-1.27137	1	-4.20807	0.270514	0	Down
NM_022884	Bhmt2	-1.27137	1	-4.20807	0.633572	0	Down
NM_027126	Hfe2	-1.27137	1	-3.20807	0.655203	0.0355225	Down
NM_029844	Mrap	-1.27137	1	-3.20807	1.33484	0.0723699	Down
NM_182807	Fam19a2	-1.27137	1	-3.20807	0.319924	0.017345	Down
NR_036593	1700121N20Rik	-1.27137	1	-4.20807	1.2881	0	Down
NM_001014996	Cenpj	-1.27001	1	-1.60235	6.59711	2.05681	Down
NM_173449	4921523A10Rik	-1.26966	1	-1.56043	14.9744	4.81313	Down

NM_029107	4930417G10Rik	-1.26623	1	-1.58577	10.9226	3.44637	Down
NM_177663	lsg20I2	-1.26544	1	-1.51718	16.839	5.58347	Down
NM_178872	Trim36	-1.26474	1	-1.41464	29.1741	10.407	Down
NM_021568	Pcbp3	-1.26404	1	-1.44426	42.6168	14.8863	Down
NM_031867	Tas1r1	-1.26377	1	-1.785	4.45434	1.21155	Down
NM_009797	Capza1	-1.26316	1	-1.38121	66.3034	24.2157	Down
NM_001081022	D430042O09Rik	-1.26288	1	-1.48405	10.0751	3.42083	Down
NM_134152	Lpxn	-1.2593	1	-1.75331	8.16486	2.27431	Down
NM_019392	Tyro3	-1.25783	1	-1.73976	3.58251	1.0081	Down
NM_175494	Zfp367	-1.25714	1	-1.50592	14.2182	4.75178	Down
NM_178798	Slc7a6	-1.25666	1	-1.58572	7.81009	2.4636	Down
NM_144820	Ccdc28a	-1.25447	1	-1.59109	23.9084	7.51158	Down
NM_181316	Bbs9	-1.25434	1	-1.5241	12.5497	4.13934	Down
NM_009813	Casq1	-1.25429	1	-2.56422	2.34293	0.344781	Down
NM_001099738	Dnajc28	-1.2541	1	-1.60743	7.19602	2.23395	Down
NM_175664	Hist1h2bb	-1.25389	1	-1.58064	62.9917	19.9419	Down
NM_009025	Rasa3	-1.25314	1	-1.48747	13.4884	4.56757	Down
NM_019545	Hao2	-1.25241	1	-2.84962	1.29693	0.140629	Down
NM_177546	Pcyt1b	-1.25241	1	-2.84962	0.544476	0.0590386	Down
NM_001163487	Pfkm	-1.25233	1	-1.58396	9.94576	3.14086	Down
NM_172288	Nup133	-1.25116	1	-1.46505	11.3875	3.91834	Down
NM_010722	Lmnb2	-1.25065	1	-1.51175	13.3762	4.451	Down
NM_030046	Dnajc21	-1.24927	1	-1.47992	27.8364	9.47655	Down
NM_033602	Peli2	-1.24725	1	-1.53861	6.24365	2.03749	Down
NM_029858	Ston1	-1.2456	1	-1.75799	4.25213	1.17927	Down
NM_172385	Zfp536	-1.24468	1	-2.00162	1.42198	0.325509	Down
NM_175530	Fbxo46	-1.24449	1	-1.62311	7.50576	2.30255	Down
NM_133975	Trip12	-1.24421	1	-1.29754	104.076	40.3004	Down
NM_153144	Ggnbp2	-1.24317	1	-1.3508	85.0018	31.7097	Down
NR_038047	D130020L05Rik	-1.24268	1	-1.71396	5.19877	1.49038	Down
NM_029337	Ep400	-1.24225	1	-1.34957	23.345	8.71624	Down
NM_009054	Trim27	-1.2395	1	-1.44922	29.5667	10.2869	Down
NM_145744	Dusp15	-1.23733	1	-1.75008	23.4469	6.53858	Down
NM_001195004	Myst2	-1.23596	1	-1.3813	23.6263	8.62567	Down
NM_001205306_2	Gm3383	-1.23486	1	-1.9625	8.57759	2.02487	Down
NM_012055	Asns	-1.23232	1	-1.41079	48.2462	17.2492	Down
NM_001166669	Gemin5	-1.2312	1	-1.4164	13.9184	4.95628	Down
NM_183020	Atxn2l	-1.23034	1	-1.39383	29.6167	10.7165	Down
NM_001135728	Sh3kbp1	-1.23023	1	-1.83368	2.24115	0.585767	Down
NM_011129	Sept4	-1.22906	1	-1.68705	9.45711	2.76457	Down
NM_001039578	Evi5l	-1.22859	1	-1.69687	9.62685	2.79342	Down
NM_001146012	R3hcc1	-1.22836	1	-1.53264	19.312	6.32593	Down
NM_010098	Opn3	-1.22766	1	-1.98568	3.6062	0.834779	Down
NM_028820	1700017B05Rik	-1.22691	1	-1.50783	7.85352	2.61905	Down
NM_146009	Cep290	-1.22591	1	-1.42066	9.77581	3.47029	Down
NM_001159591	Csnk1g2	-1.22505	1	-1.36078	69.8472	25.8689	Down
NR_002891_2	Gm5512	-1.2249	1	-1.47975	26.5667	9.04034	Down
NM_172593	Mier3	-1.22365	1	-1.40339	17.3011	6.21726	Down
NM_153791	Flywch1	-1.22143	1	-1.40764	33.9437	12.1607	Down
NR_027369	C87436	-1.22135	1	-1.5062	15.5513	5.1915	Down
NM_001033436	Atxn7l1	-1.22076	1	-1.73904	4.77832	1.34241	Down
NM_027430	Brp44	-1.21982	1	-1.48784	49.4542	16.7288	Down
NM_019729	Usp8	-1.21946	1	-1.35519	38.1958	14.2014	Down
NM_026169	Frmf8	-1.21917	1	-1.53363	9.83978	3.21994	Down
NM_133685	Rab31	-1.21828	1	-1.47111	13.5737	4.647	Down
NM_201361	Fam82a1	-1.21779	1	-1.81425	5.25984	1.39439	Down
NM_001025444	Aptx	-1.21719	1	-1.42121	12.8405	4.55569	Down
NM_178246	Smg5	-1.21455	1	-1.38796	21.9093	7.95884	Down
NM_020266	Dnajb2	-1.21424	1	-1.46097	26.4288	9.11326	Down
NM_010115	Egfbp2	-1.2114	1	-2.30118	5.04673	0.907702	Down
NM_010644	Klk1b26	-1.2114	1	-2.30118	5.02939	0.904583	Down
NM_207206	Lpcat4	-1.2114	1	-2.30118	2.30844	0.415195	Down
NM_008922	Prim2	-1.21106	1	-1.60662	10.3982	3.22448	Down
NM_001198998	Vdac3	-1.21061	1	-1.37966	71.7989	26.2342	Down
NM_001081172	Frmf1	-1.21046	1	-2.81214	0.535877	0.0596766	Down
NM_025451	Camk2n1	-1.20907	1	-1.54078	7.75438	2.52351	Down
NM_001024624	Cdkl5	-1.20893	1	-1.63257	5.45348	1.65876	Down
NM_001047436	Pard6a	-1.20832	1	-1.63461	13.7307	4.16996	Down
NM_026225	Cog6	-1.20665	1	-1.33583	58.9765	22.2257	Down
NM_009622	Adcy1	-1.20539	1	-2.02	0.44347	0.0995633	Down
NM_026892	Eif1b	-1.20438	1	-1.52138	33.2124	10.9605	Down
NM_198622	H1fx	-1.20381	1	-2.51841	4.00308	0.608398	Down
NM_152801	Arhgef6	-1.20363	1	-1.51247	7.00133	2.32547	Down
NM_178149	Pik3ip1	-1.20289	1	-1.4489	21.9985	7.6496	Down
NM_010852	Myef2	-1.20084	1	-1.40717	23.0528	8.25871	Down
NM_175238	Rif1	-1.20012	1	-1.31699	24.5671	9.3813	Down

NM_001122675	Zcchc2	-1.19984	1	-1.40504	10.4838	3.76145	Down
NM_053122	Immp2l	-1.19971	1	-1.91589	5.90412	1.44209	Down
NM_010027	Ddt	-1.19922	1	-1.42391	96.2426	34.0683	Down
NM_134155	Brms1	-1.19922	1	-1.54845	18.9077	6.11672	Down
NM_177204	Fam40b	-1.19913	1	-1.67593	2.63507	0.77554	Down
NM_001033159	Zfp597	-1.19868	1	-1.41595	11.1038	3.95297	Down
NM_001034899	Gm16432	-1.19691	1	-1.97361	3.52027	0.820222	Down
NM_001170711	Asb8	-1.1951	1	-1.43468	23.7648	8.34702	Down
NM_001037134	Ccne2	-1.19457	1	-1.58061	6.93922	2.19209	Down
NR_027953	Trmt61b	-1.19428	1	-1.65706	23.4133	6.9875	Down
NM_176987	4732471D19Rik	-1.19381	1	-1.45933	8.85521	3.05557	Down
NM_001081074	A1cf	-1.19155	1	-2.88615	0.564389	0.0562625	Down
NM_007511	Atp7b	-1.19016	1	-2.54911	0.828445	0.121912	Down
NM_026350	Ccdc130	-1.18788	1	-1.52399	12.8827	4.24111	Down
NM_001081268	Prss53	-1.18786	1	-1.60473	7.13175	2.21244	Down
NM_010716	Lig3	-1.18773	1	-1.35019	18.3581	6.84701	Down
NM_001195298	Kifc1	-1.18746	1	-2.38091	1.83087	0.309177	Down
NM_023502	Eif2	-1.187	1	-1.33572	48.4152	18.2428	Down
NM_146150	Nrd1	-1.187	1	-1.32916	34.0497	12.8895	Down
NM_173028	Vps13a	-1.18696	1	-1.27525	36.5375	14.3655	Down
NM_001011800	Olftr212	-1.18639	1	-4.13407	0.469488	0	Down
NM_001038701	Gabrb3	-1.18639	1	-4.13407	0.228127	0	Down
NM_001085513	Fam131c	-1.18639	1	-4.13407	0.875417	0	Down
NM_001085535	Cldn27	-1.18639	1	-4.13407	0.689271	0	Down
NM_001162954	Gm8267	-1.18639	1	-3.13407	1.01167	0.0578959	Down
NM_001199224	Agbl1	-1.18639	1	-4.13407	0.372358	0	Down
NM_011686	Vmn2r88	-1.18639	1	-4.13407	0.487363	0	Down
NM_019494	Cxcl11	-1.18639	1	-4.13407	0.791466	0	Down
NM_020504	Cldn13	-1.18639	1	-3.13407	1.1724	0.0670944	Down
NM_021489	F12	-1.18639	1	-4.13407	0.639711	0	Down
NM_027979	Chit1	-1.18639	1	-4.13407	0.733181	0	Down
NM_146393	Olftr1279	-1.18639	1	-4.13407	1.33171	0	Down
NM_172378	BC026439	-1.18639	1	-3.13407	0.529761	0.0303171	Down
NM_198958	Nox3	-1.18639	1	-4.13407	0.700041	0	Down
NR_027836	D730001G18Rik	-1.18639	1	-4.13407	0.786997	0	Down
NM_029210	Sv2c	-1.18638	1	-2.27846	1.01622	0.185725	Down
NM_133692	Pold3	-1.1848	1	-1.38031	25.3513	9.25487	Down
NM_153177	Eif2c4	-1.18398	1	-1.4974	4.72386	1.58532	Down
NM_026898	Wdr53	-1.1839	1	-1.51516	19.898	6.592	Down
NM_026314	Dyx1c1	-1.18363	1	-1.76061	5.00323	1.3792	Down
NM_025926	Dnajb4	-1.18324	1	-1.34746	43.3104	16.1836	Down
NM_001112721	Ubr5	-1.18192	1	-1.24102	81.1682	32.685	Down
NM_001168471	Dynll2	-1.1815	1	-1.34029	50.1052	18.8175	Down
NM_145480	Rfc4	-1.17958	1	-1.56615	17.022	5.43155	Down
NM_033607	Uchl4	-1.17932	1	-1.54128	20.1522	6.54892	Down
NM_001038624	Ric3	-1.17627	1	-1.60921	3.17568	0.981384	Down
NM_194339	Bms1	-1.17547	1	-1.32207	30.897	11.7531	Down
NM_028816	Xpo6	-1.17373	1	-1.31488	32.013	12.2393	Down
NM_008468	Kpna6	-1.17339	1	-1.28635	38.5746	15.0471	Down
NM_009097	Rps6ka1	-1.17248	1	-1.50908	8.53383	2.83867	Down
NM_007502	Atp1b3	-1.17212	1	-1.28998	110.709	43.0746	Down
NM_028279	Naalad2	-1.1684	1	-1.55734	7.56518	2.42862	Down
NM_012024	Ppp2r5e	-1.16522	1	-1.34335	18.7635	7.02984	Down
NR_030698	A630066F11Rik	-1.16455	1	-1.61246	12.4591	3.83878	Down
NM_133248	Glmn	-1.16386	1	-1.56114	9.68438	3.09966	Down
NM_028963	4933427D14Rik	-1.16304	1	-1.39196	12.8221	4.64023	Down
NM_177431	Adamts20	-1.16271	1	-2.6935	0.466973	0.0586623	Down
NM_001039586	Glyctk	-1.16227	1	-1.58514	4.24292	1.33401	Down
NM_007550	Blm	-1.16205	1	-1.47111	6.42681	2.19693	Down
NM_172861	Slc7a14	-1.16154	1	-2.35745	0.473029	0.0812115	Down
NM_008403	Itgb1bp1	-1.15792	1	-1.35745	38.5282	14.2832	Down
NM_027435	Atad2	-1.1544	1	-1.37932	10.0683	3.67608	Down
NM_001042743	Mast2	-1.15419	1	-1.34247	14.0871	5.28022	Down
NM_001128597	Gpank1	-1.153	1	-1.49022	17.5389	5.91108	Down
NM_001190179	Nup35	-1.15294	1	-1.50958	8.63564	2.86955	Down
NM_001199843	1700019E19Rik	-1.15208	1	-1.72409	12.2329	3.46088	Down
NM_177412	Tmcc1	-1.15044	1	-1.33223	15.0622	5.68654	Down
NM_023516	2310016C08Rik	-1.14924	1	-1.64394	13.0895	3.93575	Down
NM_012018	Cep110	-1.14913	1	-1.37055	7.72738	2.83882	Down
NM_201232	Nipbl	-1.14853	1	-1.22729	51.4491	20.9136	Down
NM_144935	BC018242	-1.14802	1	-1.78993	3.07312	0.825816	Down
NM_177078	Adrbk2	-1.14762	1	-1.36561	9.26467	3.41548	Down
NM_001037709	Rusc2	-1.14552	1	-1.56653	3.27734	1.04399	Down
NM_029005	Mikl	-1.1453	1	-1.96415	3.07108	0.717066	Down
NM_001162998	1110017F19Rik	-1.14499	1	-2.01543	4.93212	1.10448	Down
NM_001081323	Mphosph9	-1.14465	1	-1.34522	8.63325	3.22911	Down

NM_001029934	Usp32	-1.14332	1	-1.25842	30.2164	12.017	Down
NM_013853	Abcf2	-1.14302	1	-1.27879	58.8584	23.0747	Down
NM_001160019	Tor1aip1	-1.14126	1	-1.26706	47.2622	18.6819	Down
NM_178655	Ank2	-1.14124	1	-1.33128	13.6366	5.15103	Down
NM_026718	Ankrd13a	-1.14086	1	-1.31043	30.1746	11.5678	Down
NM_177606	Plekhh2	-1.14078	1	-1.46077	4.21032	1.44916	Down
NM_023129	Pln	-1.14047	1	-1.71968	4.08739	1.1594	Down
NM_172713	Sdad1	-1.14016	1	-1.32156	17.1456	6.52125	Down
NM_001037143	2310033E01Rik	-1.13977	1	-2.84034	2.86409	0.295031	Down
NM_001177951	Rpgr	-1.13801	1	-1.43071	10.759	3.7844	Down
NM_052994	Spock2	-1.13761	1	-1.3924	11.4108	4.12592	Down
NM_019726	Gps2	-1.13666	1	-1.50834	17.8802	5.94335	Down
NM_199042	Thap1	-1.13605	1	-1.58824	6.67109	2.09008	Down
NM_027411	Ccdc99	-1.13578	1	-1.76061	3.33193	0.915263	Down
NM_011160	Prkg1	-1.13565	1	-1.60437	4.97982	1.54145	Down
NM_177640	D030056L22Rik	-1.13531	1	-1.39867	25.6808	9.24347	Down
NM_145579	Mypop	-1.13487	1	-1.8422	3.0761	0.792176	Down
NM_025699	3230401D17Rik	-1.13482	1	-1.32543	49.9273	18.9359	Down
NM_177049	Jph4	-1.13363	1	-2.94504	0.372606	0.0319853	Down
NM_001164059	Sell	-1.13313	1	-2.60235	1.41716	0.194643	Down
NM_182840	Emilin3	-1.13301	1	-2.49758	1.06101	0.161919	Down
NM_029025	Tmem81	-1.13229	1	-1.57852	8.88165	2.8024	Down
NM_017470	Dnalc4	-1.13164	1	-1.42048	23.7504	8.41452	Down
NM_134141	Ciapi1	-1.12804	1	-1.38865	9.84336	3.56797	Down
NM_138744	Ssx2ip	-1.12717	1	-1.28365	33.5734	13.1144	Down
NM_001146022	Wdfy4	-1.12682	1	-1.45988	2.75719	0.949204	Down
NM_001164369	Bcas1	-1.12466	1	-2.44686	1.36931	0.218875	Down
NM_001100187	Gm9705	-1.12373	1	-2.65873	1.05515	0.135865	Down
NM_145450	BC022687	-1.12362	1	-1.47111	12.8468	4.38618	Down
NM_007458	Ap2a1	-1.12235	1	-1.27781	33.4397	13.1155	Down
NM_001161824	Mtx1	-1.12227	1	-1.33375	41.7515	15.7552	Down
NM_022028	Sav1	-1.12112	1	-1.35217	21.1785	7.8788	Down
NM_008801	Pde6d	-1.11955	1	-1.52725	16.6574	5.45664	Down
NM_011818	Gmcl1	-1.1168	1	-1.29881	28.7152	11.0954	Down
NM_001164359	Erlin1	-1.11643	1	-1.37067	13.7487	5.04693	Down
NM_178686	Cep120	-1.11565	1	-1.27394	24.3328	9.56898	Down
NM_001112705	Tlk2	-1.1138	1	-1.32188	11.9019	4.52381	Down
NM_024199	Cstf1	-1.11367	1	-1.38001	22.2864	8.12579	Down
NM_028024	Nkiras2	-1.11306	1	-1.33634	28.2511	10.6278	Down
NM_198608	Aars2	-1.10994	1	-1.60235	3.80824	1.17901	Down
NM_007590	Calm3	-1.10991	1	-1.20974	123.288	50.7219	Down
NM_175749	Nup153	-1.10981	1	-1.20381	50.8836	21.021	Down
NM_008786	Pcmt1	-1.10761	1	-1.26502	58.2047	23.0315	Down
NM_172935	Amdhd2	-1.10616	1	-1.39494	23.6756	8.53837	Down
NM_133435	Nmnat1	-1.10483	1	-1.77923	7.5245	2.03182	Down
NM_009879	Ift81	-1.10465	1	-1.27177	33.618	13.2387	Down
NM_198659	B930007M17Rik	-1.10401	1	-1.78947	2.47313	0.662372	Down
NM_183097	1700067K01Rik	-1.10357	1	-2.47111	3.4075	0.529823	Down
NM_001163627	Fam151b	-1.10224	1	-1.7049	6.34947	1.81684	Down
NM_146074	Tfb1m	-1.10092	1	-1.42772	20.4795	7.21139	Down
NM_016764	Prdx4	-1.10078	1	-1.30118	71.4085	27.5383	Down
NM_018855	Gas8	-1.09958	1	-1.45805	13.6482	4.7006	Down
NM_145425	Wdpcp	-1.09856	1	-1.49209	7.87362	2.64478	Down
NM_013684	Tbp	-1.09837	1	-1.35745	23.0418	8.53541	Down
NM_026418	Rgs10	-1.09766	1	-1.58275	14.8944	4.67667	Down
NR_033560	9230115E21Rik	-1.09765	1	-2.57064	2.06637	0.29026	Down
NM_001081087	Kbtbd10	-1.0973	1	-2.4222	1.56521	0.254578	Down
NM_013832	Rasal1	-1.0973	1	-2.4222	1.23831	0.201409	Down
NM_001167730	Rad18	-1.09659	1	-1.36035	15.172	5.60825	Down
NM_001004761	Gpr158	-1.09618	1	-4.05607	0.165912	0	Down
NM_001012623	Rims1	-1.09618	1	-3.05607	0.311866	0.0188973	Down
NM_001025607	Gm5168	-1.09618	1	-4.05607	1.43784	0	Down
NM_001042502	Pitx2	-1.09618	1	-4.05607	0.513336	0	Down
NM_001081257	Hpse2	-1.09618	1	-4.05607	0.555974	0	Down
NM_001126317	Gm1140	-1.09618	1	-4.05607	1.51506	0	Down
NM_001163175	Begain	-1.09618	1	-3.05607	0.436866	0.0264716	Down
NM_008751	Nxph1	-1.09618	1	-3.05607	0.664487	0.0402641	Down
NM_008780	Pax1	-1.09618	1	-4.05607	0.449121	0	Down
NM_020596	Egr4	-1.09618	1	-4.05607	0.564181	0	Down
NM_021406	Trem1	-1.09618	1	-3.05607	0.39427	0.0238905	Down
NM_026841	1110059M19Rik	-1.09618	1	-4.05607	1.06833	0	Down
NM_027928	Chst13	-1.09618	1	-3.05607	0.717614	0.0434833	Down
NM_029352	Dusp9	-1.09618	1	-4.05607	0.438807	0	Down
NM_031174	Dscam	-1.09618	1	-4.05607	0.158393	0	Down
NM_146890	Olf126	-1.09618	1	-4.05607	1.23415	0	Down
NM_172948	Mgat5b	-1.09618	1	-4.05607	0.27851	0	Down

NM_173783	Mageb18	-1.09618	1	-4.05607	0.548509	0	Down
NM_175210	Abca12	-1.09618	1	-4.05607	0.14235	0	Down
NM_175642	Bai3	-1.09618	1	-3.05607	0.214556	0.0130009	Down
NR_027959	B830017H08Rik	-1.09618	1	-3.05607	1.05878	0.0641564	Down
NR_036606	1700060C20Rik	-1.09618	1	-3.05607	2.0081	0.12168	Down
NM_138653	Bspry	-1.09524	1	-1.27861	47.3016	18.5347	Down
NM_028627	Psd	-1.09262	1	-1.49912	4.62833	1.54627	Down
NM_145549	Efcab7	-1.09168	1	-1.62618	5.97696	1.81549	Down
NM_025837	Mpi	-1.09044	1	-1.23186	77.5864	31.4213	Down
NM_001110315	Kif1a	-1.0884	1	-1.50673	2.07394	0.688872	Down
NM_001033142	Rnf166	-1.08801	1	-1.32144	28.9247	10.9921	Down
NM_001036684	Atp2b2	-1.0861	1	-2.79304	0.2927	0.0311909	Down
NM_001136060	Dpp6	-1.0861	1	-2.79304	0.446059	0.0475332	Down
NM_001163702	Fbxo27	-1.0861	1	-2.79304	1.03646	0.110448	Down
NM_001164491	Ablim3	-1.08369	1	-2.62311	0.644846	0.0851613	Down
NM_031379	Tkt1	-1.08369	1	-2.62311	1.09997	0.145267	Down
NM_054093	Ube3b	-1.08303	1	-1.29473	11.9623	4.63301	Down
NM_145128	Mgat5	-1.08244	1	-1.67164	2.91884	0.855756	Down
NM_009391	Ran	-1.08221	1	-1.20446	78.8919	32.5695	Down
NR_015614	E230029C05Rik	-1.08181	1	-2.18383	1.65596	0.323515	Down
NM_008279	Map4k1	-1.08091	1	-2.28469	1.47239	0.26609	Down
NM_027975	Fam83d	-1.08091	1	-2.28469	1.75774	0.317659	Down
NM_026626	Efcab2	-1.08049	1	-1.46126	7.9908	2.74378	Down
NM_001163276	Med16	-1.07882	1	-1.33955	12.9197	4.84561	Down
NM_001085393	Spaca5	-1.07685	1	-2.6935	3.70244	0.448694	Down
NM_026235	Larp6	-1.07685	1	-2.6935	1.02667	0.124421	Down
NR_027643	4932435O22Rik	-1.07685	1	-2.6935	0.69652	0.0844103	Down
NM_172509	Kctd7	-1.07674	1	-1.38641	7.0085	2.54112	Down
NM_016684	Zscan12	-1.07641	1	-1.34687	8.755	3.26618	Down
NM_172723	Adap1	-1.07635	1	-1.95223	1.91735	0.448881	Down
NM_175195	3110056O03Rik	-1.07563	1	-1.4396	7.67618	2.67746	Down
NM_026073	Rabl5	-1.07463	1	-1.42517	25.934	9.14133	Down
NM_001039184	Cep350	-1.07368	1	-1.15806	27.983	11.9337	Down
NM_010229	Flt3	-1.07353	1	-2.44414	0.990985	0.157049	Down
NM_177780	Dock5	-1.07125	1	-1.46581	1.82746	0.625175	Down
NM_009817	Cast	-1.06825	1	-1.19696	56.0144	23.244	Down
NM_023043	Prnd	-1.06766	1	-1.30888	15.0925	5.78486	Down
NM_011732	Ybx1	-1.06715	1	-1.15884	143.839	61.3058	Down
NM_145553	Fam76a	-1.06646	1	-1.2359	31.117	12.5622	Down
NM_001033215	Zfp957	-1.06625	1	-2.88615	0.582675	0.0521926	Down
NM_007702	Cidea	-1.06625	1	-2.88615	1.37709	0.123352	Down
NM_009137	Ccl22	-1.06625	1	-2.88615	0.885112	0.0792832	Down
NM_138646	Hps4	-1.06576	1	-1.47111	6.29342	2.14414	Down
NM_001112701	Cyth2	-1.06467	1	-1.26154	28.0539	11.1213	Down
NM_019715	Kcmf1	-1.06328	1	-1.22278	32.7349	13.338	Down
NM_001168672	Gtse1	-1.06267	1	-1.86704	1.89466	0.474738	Down
NM_011643	Trpc1	-1.06111	1	-1.88615	1.64283	0.405195	Down
NM_028126	Strada	-1.05823	1	-1.30874	22.032	8.4439	Down
NM_013691	Thbs3	-1.05594	1	-1.62663	2.97777	0.90218	Down
NM_176976	5830418K08Rik	-1.05514	1	-1.21741	13.9083	5.68796	Down
NM_173402	Rgs12	-1.05484	1	-1.31064	7.78899	2.98089	Down
NM_001033532	AW554918	-1.05468	1	-1.28297	9.89846	3.86391	Down
NM_022816	Acot10	-1.05448	1	-1.34633	21.5382	8.03386	Down
NM_027481	Sugp1	-1.05448	1	-1.4208	9.41632	3.32743	Down
NM_001081756	Nckap5	-1.05445	1	-2.15916	0.550741	0.109483	Down
NM_011015	Orc1	-1.05302	1	-2.2596	1.29575	0.23835	Down
NM_008787	Pcnt	-1.05131	1	-1.22568	9.33871	3.79671	Down
NM_001081435	Fbxo47	-1.05123	1	-1.77692	3.64841	0.982268	Down
NM_009920	Cnih2	-1.05123	1	-1.77692	4.95795	1.33484	Down
NM_029794	Cpsf4l	-1.04991	1	-1.47734	13.0251	4.41433	Down
NM_133948	Psip1	-1.04954	1	-1.15514	74.4253	31.7993	Down
NM_028426	3110007F17Rik	-1.04889	1	-2.47111	3.5604	0.546236	Down
NM_028284	Bbs5	-1.04506	1	-1.50763	9.77371	3.23793	Down
NM_028479	1600027N09Rik	-1.04476	1	-1.61606	7.89308	2.40909	Down
NM_001081446	lqck	-1.04397	1	-1.64248	4.26551	1.27565	Down
NR_029438	4933406l18Rik	-1.04252	1	-2.58658	2.53429	0.343497	Down
NM_133922	Krba1	-1.04194	1	-1.2777	7.06381	2.7671	Down
NM_029341	Capsl	-1.04177	1	-1.84767	5.378	1.366	Down
NM_025968	Ptgr1	-1.04113	1	-1.51765	6.22732	2.04727	Down
NM_024250	Phf10	-1.04007	1	-1.22311	49.2451	20.0541	Down
NM_028634	Cby1	-1.03948	1	-1.40007	19.6809	7.0572	Down
NM_153424	Nphp4	-1.03928	1	-1.86597	0.970268	0.24273	Down
NM_001005223	Znhit3	-1.03884	1	-1.37236	25.9487	9.49423	Down
NM_011664	Ubb	-1.03775	1	-1.07064	2030.73	920.342	Down
NM_013744	Zfp354b	-1.03762	1	-1.65168	3.29742	0.978706	Down
NM_153505	Nckap1l	-1.03574	1	-1.43794	3.79713	1.32411	Down

NM_176972	Usp37	-1.03554	1	-1.18506	16.5516	6.9237	Down
NM_025734	Kcng4	-1.03294	1	-1.4928	3.66227	1.22607	Down
NM_001039104	Trpm1	-1.03038	1	-2.74413	0.342652	0.0378179	Down
NM_080560	Ube2n	-1.03031	1	-1.15833	41.7687	17.8033	Down
NM_001081170	Pacs2	-1.02853	1	-1.273	8.36824	3.28824	Down
NM_027930	Fam54a	-1.02658	1	-2.13407	1.69172	0.342306	Down
NM_001113423	Slain2	-1.02635	1	-1.1649	28.5482	12.1117	Down
NM_177790	Zfp385c	-1.02628	1	-1.27081	11.1952	4.40575	Down
NM_026101	Herc4	-1.02572	1	-1.2464	13.8727	5.55536	Down
NM_029626	Glt8d1	-1.02566	1	-1.22708	26.7554	10.8625	Down
NM_177758	Zscan20	-1.02522	1	-1.38942	3.9958	1.4433	Down
NM_001159497	Ppm1b	-1.02509	1	-1.20745	50.6062	20.8338	Down
NM_201385	Plec	-1.02468	1	-1.11787	20.1348	8.8289	Down
NM_001033877	Adamts17	-1.02459	1	-2.23407	0.635779	0.119076	Down
NM_022979	Nup98	-1.02388	1	-1.12251	65.995	28.844	Down
NM_145824	Ranbp10	-1.0231	1	-1.25932	9.20398	3.65176	Down
NM_001033474	Atxn7l3b	-1.02281	1	-1.1267	67.0594	29.2231	Down
NM_027014	Gins1	-1.02174	1	-1.98568	3.78278	0.858586	Down
NM_013881	Ulk2	-1.02119	1	-1.15874	23.9423	10.2012	Down
NM_172124	B3gat2	-1.02102	1	-1.26294	10.706	4.23657	Down
NM_027460	Slc25a33	-1.01874	1	-1.36982	12.2158	4.47498	Down
NM_021493	Arhgap23	-1.01873	1	-1.56226	1.867	0.592769	Down
NM_178708	Pcid2	-1.01849	1	-1.30516	13.9791	5.36643	Down
NM_199447	Rrp12	-1.01819	1	-1.30118	7.98565	3.07438	Down
NM_029716	Chn1	-1.01808	1	-1.28637	11.7477	4.57113	Down
NM_027884	Tns1	-1.01715	1	-1.13401	19.175	8.31294	Down
NM_178869	Tll1	-1.01659	1	-1.44035	7.76233	2.69995	Down
NM_001110506	BC060267	-1.01647	1	-1.34955	9.91711	3.68664	Down
NM_013559	Hsp1	-1.01602	1	-1.26511	12.6441	4.99523	Down
NM_207530	Osbpl1a	-1.01534	1	-1.20738	23.2459	9.56906	Down
NM_176848	Fbxo2	-1.01484	1	-2.44073	2.59795	0.407242	Down
NM_172903	Man2a2	-1.01438	1	-1.2237	9.36825	3.81191	Down
NM_001159647	Cntn1	-1.0128	1	-1.7549	0.994415	0.271515	Down
NM_011496	Aurkb	-1.01152	1	-2.38865	1.78061	0.293474	Down
NM_025735	Map1lc3a	-1.00846	1	-1.19675	77.8539	32.2873	Down
NM_023651	Pex13	-1.00721	1	-1.16625	25.2768	10.7112	Down
NM_172824	Ccdc14	-1.00701	1	-1.38695	4.78534	1.73053	Down
NM_001100618	Gm16378	-1.00628	1	-1.26666	57.777	22.7957	Down
NM_172692	Gba2	-1.00539	1	-1.24163	13.702	5.50364	Down
NM_175034	Slc24a5	-1.00506	1	-1.37647	10.5022	3.82689	Down
NM_029495	Epsti1	-1.00432	1	-1.88615	2.3492	0.576172	Down
NM_008256	Hmgcs2	-1.00428	1	-1.29214	10.071	3.90121	Down
NM_001039939	Asxl1	-1.00427	1	-1.16336	15.5801	6.61544	Down
NR_015472	9530082P21Rik	-1.00424	1	-1.23644	15.8253	6.37991	Down
NM_019468	G6pd2	-1.00349	1	-1.40072	11.04	3.9518	Down
NM_026817	Rabl2	-1.00179	1	-1.30452	18.2912	7.02208	Down
NM_001001804	Ephx4	-1.00006	1	-2.97361	0.886397	0.0570675	Down
NM_001033214	E330034G19Rik	-1.00006	1	-3.97361	0.747377	0	Down
NM_001033229	Cyp11b1	-1.00006	1	-3.97361	0.465007	0	Down
NM_001033768	Pin1-ps1	-1.00006	1	-3.97361	1.02963	0	Down
NM_001048139	Bdnf	-1.00006	1	-2.97361	0.267985	0.0172533	Down
NM_001081134	Kcng1	-1.00006	1	-2.97361	0.481471	0.0309978	Down
NM_001142746	Pcdh15	-1.00006	1	-2.97361	0.122201	0.0078675	Down
NM_001199311	Gm17157	-1.00006	1	-3.97361	1.75328	0	Down
NM_009233	Sox1	-1.00006	1	-3.97361	0.276217	0	Down
NM_009916	Ccr4	-1.00006	1	-2.97361	0.400103	0.0257592	Down
NM_010487	Elavl3	-1.00006	1	-2.97361	0.22182	0.0142811	Down
NM_011345	Sele	-1.00006	1	-2.97361	0.382928	0.0246535	Down
NM_020016	Magea2	-1.00006	1	-3.97361	0.661773	0	Down
NM_020018	Magea5	-1.00006	1	-3.97361	0.713427	0	Down
NM_031493	Xlr5c	-1.00006	1	-3.97361	2.06498	0	Down
NM_146255	Slc1a7	-1.00006	1	-3.97361	0.371077	0	Down
NM_153598	Ugt2b34	-1.00006	1	-3.97361	0.365842	0	Down
NM_173789	Helt	-1.00006	1	-3.97361	0.727864	0	Down
NM_175424	Prr9	-1.00006	1	-3.97361	0.942593	0	Down
NM_175628	A2m	-1.00006	1	-2.97361	0.238726	0.0153695	Down
NM_183194	Gsdmc3	-1.00006	1	-3.97361	0.520582	0	Down
NM_134013	Psme4	-0.998171	1	-1.10457	35.3333	15.6353	No change
NM_024284	Hagh	-0.996971	1	-1.30346	24.6354	9.46363	No change
NR_028592	Gm10069	-0.996777	1	-1.37359	5.06438	1.84877	No change
NM_178607	Rnf24	-0.996009	1	-1.26308	6.85032	2.70909	No change
NM_144813	Slc24a1	-0.995626	1	-2.82474	0.294119	0.0275431	No change
NM_010472	Agfg1	-0.99488	1	-1.18077	24.3936	10.2297	No change
NM_175026	Pyhin1	-0.994226	1	-1.73762	1.63421	0.451645	No change
NM_029522	Gpsm2	-0.992957	1	-1.29247	8.77156	3.39608	No change
NM_001039185	Ceacam1	-0.99195	1	-1.55992	2.48104	0.787856	No change

NM_008186	Gtf2h1	-0.991163	1	-1.22329	18.1278	7.37525	No change
NM_008943	Psen1	-0.990744	1	-1.19011	22.0629	9.19057	No change
NM_201364	BC055324	-0.990393	1	-1.41525	5.43653	1.92429	No change
NM_026644	Agpat4	-0.988984	1	-1.6935	3.28396	0.939672	No change
NM_001033449	Als2cr4	-0.988632	1	-1.34221	11.9388	4.45811	No change
NM_177461	Micall1	-0.988127	1	-1.1878	9.92193	4.13972	No change
NM_010710	Lhx2	-0.985713	1	-2.47111	1.24996	0.188428	No change
NM_009974	Csnk2a2	-0.985709	1	-1.24835	10.4003	4.15572	No change
NM_026097	Rffl	-0.985327	1	-1.16331	23.5479	9.99647	No change
NM_001159930	Cenpl	-0.984561	1	-1.70172	3.38731	0.962561	No change
NM_011158	Prkar2b	-0.984561	1	-1.70172	1.80562	0.513098	No change
NM_026106	Dr1	-0.984549	1	-1.19779	18.9619	7.85505	No change
NM_028120	Ccdc123	-0.983206	1	-1.33986	8.52496	3.18822	No change
NM_025854	Cir1	-0.982772	1	-1.2826	15.6227	6.09024	No change
NM_027285	1700029I01Rik	-0.981226	1	-1.09688	40.253	17.9063	No change
NM_175225	Tasp1	-0.980523	1	-1.20906	20.5707	8.45281	No change
NM_001012324	Ecm2	-0.980506	1	-1.54911	2.55825	0.818529	No change
NM_028028	Zswim1	-0.977608	1	-1.33743	7.94721	2.97689	No change
NM_029410	Bcl2l12	-0.976706	1	-1.40726	14.2627	5.07545	No change
NM_026212	Agpat2	-0.975666	1	-1.27317	36.7199	14.4097	No change
NR_015569	4732471J01Rik	-0.975415	1	-1.72014	2.99159	0.836991	No change
NM_011968	Psmc6	-0.975387	1	-1.14965	86.19	36.9396	No change
NM_008838	Pigf	-0.973888	1	-1.20604	50.3496	20.7315	No change
NM_007408	Plin2	-0.973402	1	-1.34939	10.4521	3.88059	No change
NM_013879	Cabp1	-0.972469	1	-2.6935	1.59332	0.182365	No change
NR_037998	D030040B21Rik	-0.972469	1	-2.6935	0.674932	0.07325	No change
NM_153415	Pomt2	-0.972323	1	-1.17309	12.8944	5.43505	No change
NM_008008	Fgf7	-0.971756	1	-1.80368	1.74754	0.456754	No change
NM_172268	Nup214	-0.971431	1	-1.21597	5.44277	2.22513	No change
NM_153392	Ttc39a	-0.971364	1	-1.28339	11.9576	4.65737	No change
NM_177646	Dgkd	-0.970501	1	-1.15997	12.8027	5.44673	No change
NM_026179	Abhd5	-0.970118	1	-1.1868	17.866	7.45732	No change
NM_001081402	Wdr70	-0.96974	1	-1.27802	13.3165	5.2066	No change
NM_016716	Cul3	-0.967384	1	-1.07045	86.385	39.1422	No change
NM_019550	Ptbp2	-0.966903	1	-1.12688	30.0401	13.082	No change
NM_145404	Prmt7	-0.966537	1	-1.29214	11.4403	4.42722	No change
NM_009320	Slc6a6	-0.966142	1	-1.22163	6.63151	2.69987	No change
NR_038000	4921513I03Rik	-0.965995	1	-2.1816	2.34373	0.455526	No change
NM_134122	Nrm	-0.965204	1	-1.38147	11.0918	4.02108	No change
NM_009734	Azi1	-0.964916	1	-1.32672	5.90189	2.22717	No change
NM_175128	4930430F08Rik	-0.964311	1	-1.25887	12.8784	5.10461	No change
NM_001081073	Cep76	-0.963594	1	-1.27023	7.25129	2.85071	No change
NM_001115149	Uspl1	-0.962705	1	-1.20475	12.0576	4.96823	No change
NM_010046	Dgat1	-0.960375	1	-1.19649	27.0432	11.2084	No change
NM_145557	9430015G10Rik	-0.959315	1	-1.22863	14.6883	5.94921	No change
NR_037145	Alg13	-0.95911	1	-1.43243	3.02008	1.054	No change
NM_178218	Hist3h2a	-0.958804	1	-1.2014	22.6239	9.34365	No change
NM_028680	Ift57	-0.9588	1	-1.43922	4.88399	1.69585	No change
NM_029010	Glb1l	-0.958296	1	-1.12859	25.8294	11.2336	No change
NM_009352	Terf1	-0.957347	1	-1.52725	5.54812	1.80247	No change
NM_001042726	Pcdh8	-0.956527	1	-2.51064	0.675901	0.0967012	No change
NM_028227	Brap	-0.954745	1	-1.10673	29.9086	13.2094	No change
NM_001081265	Heatr2	-0.954545	1	-1.49101	2.93337	0.979441	No change
NM_028722	Msl1	-0.954228	1	-1.13682	17.905	7.74151	No change
NM_026562	Cntd1	-0.951681	1	-1.14217	32.0938	13.8233	No change
NM_001199283	Slc43a2	-0.951054	1	-1.29129	3.29596	1.2757	No change
NM_001004173	Sgpp2	-0.949453	1	-1.44557	2.91114	1.00558	No change
NM_001177391	Gm6788	-0.948285	1	-1.15375	89.3888	38.1845	No change
NM_001166414	Rfx3	-0.948062	1	-1.23838	3.47474	1.3972	No change
NM_001164195	Pex3	-0.948054	1	-1.16032	41.9369	17.8308	No change
NM_001174154	Pcdha4-g	-0.947179	1	-1.58322	2.58664	0.804381	No change
NR_015521	1700030C10Rik	-0.946743	1	-1.53	5.01272	1.62404	No change
NM_175143	Qrich1	-0.945938	1	-1.0586	61.2988	28.0025	No change
NM_001164610	Smpd4	-0.945338	1	-1.19195	9.55245	3.97081	No change
NM_001038695	Kdm3a	-0.945061	1	-1.05452	43.6015	19.9751	No change
NM_183037	Trim46	-0.944707	1	-1.60861	2.18767	0.66686	No change
NM_001077698	Fmn1l	-0.944232	1	-2.378	0.81253	0.133158	No change
NM_172809	Sacs	-0.944232	1	-2.378	0.917287	0.150325	No change
NM_028572	Vgll3	-0.944066	1	-1.48109	3.01284	1.01296	No change
NM_009822	Runx1t1	-0.942646	1	-1.54706	1.3836	0.44232	No change
NM_028041	Ddx54	-0.941579	1	-1.2198	8.74043	3.56124	No change
NM_144892	Ncoa5	-0.941404	1	-1.1818	14.7007	6.15484	No change
NM_001168248	Rmi1	-0.940469	1	-1.18535	12.1533	5.07533	No change
NM_144887	Zdhhc5	-0.940369	1	-1.03233	62.2384	28.9587	No change
NM_172703	Eif4g3	-0.937212	1	-1.11939	14.0346	6.14199	No change
NM_001008533	Adora1	-0.936371	1	-1.2394	5.03833	2.02385	No change

NM_126165	Vps4a	-0.936158	1	-1.15591	25.9627	11.0714	No change
NM_145924	Cenpi	-0.935794	1	-2.15463	1.15122	0.228053	No change
NM_177090	Cdh29	-0.935794	1	-2.15463	2.47206	0.489706	No change
NM_029532	Snmp35	-0.935504	1	-1.38156	12.8919	4.66773	No change
NM_007633	Ccne1	-0.932511	1	-1.74674	2.42286	0.660653	No change
NM_010729	Loxl1	-0.932504	1	-1.61795	1.92084	0.580694	No change
NM_029406	Pih1d1	-0.930504	1	-1.30817	17.4074	6.65093	No change
NM_001034115	Shank1	-0.929818	1	-2.56422	0.284424	0.0378046	No change
NM_177267	Dcaf5	-0.927443	1	-1.07652	19.9419	8.99431	No change
NM_019718	Arl3	-0.926643	1	-1.13534	72.0669	31.1793	No change
NM_001081670	Gm5936	-0.926459	1	-1.57265	2.48816	0.778971	No change
NR_024720	2700099C18Rik	-0.926067	1	-1.62311	4.86484	1.46397	No change
NM_013636	Ppp1cc	-0.924941	1	-1.01854	118.909	55.8575	No change
NM_177318	Zfp653	-0.923515	1	-1.37302	6.54611	2.38395	No change
NM_146128	Dlgap4	-0.922719	1	-1.17731	8.31833	3.49261	No change
NM_028250	Acbd6	-0.922622	1	-1.26642	15.2235	5.99457	No change
NR_033764	A730017C20Rik	-0.921424	1	-2.76061	0.754019	0.0739732	No change
NM_001128151	Cecr2	-0.920864	1	-1.2437	2.78378	1.11431	No change
NM_022433	Sirt3	-0.919382	1	-1.25227	16.4737	6.55313	No change
NM_001100449	Taf4b	-0.91661	1	-1.35246	2.82886	1.0457	No change
NM_007638	Cct7	-0.916447	1	-1.0428	63.781	29.4542	No change
NM_027081	Fam116b	-0.915985	1	-1.20807	6.70938	2.7552	No change
NM_177594	Mtmr9	-0.914988	1	-1.13201	22.6907	9.83846	No change
NM_001081155	Rap1gap	-0.913294	1	-2.30118	1.01789	0.178474	No change
NM_008446	Kif4	-0.913294	1	-2.30118	0.695155	0.121886	No change
NM_001030014	Mcat	-0.913246	1	-1.18085	19.2917	8.07791	No change
NM_001033980	Fam92b	-0.912177	1	-2.64103	1.52398	0.181138	No change
NM_008456	Klk1b5	-0.912177	1	-2.64103	2.10455	0.250143	No change
NR_038091	A730098P11Rik	-0.91191	1	-0.989148	79.5815	38.1568	No change
NM_001163637	Jakmp12	-0.911557	1	-2.47111	0.694746	0.102237	No change
NM_001201322	4930415O20Rik	-0.911557	1	-2.47111	4.30963	0.634196	No change
NM_026891	Cdan1	-0.911305	1	-1.16519	6.32084	2.67642	No change
NM_001205330	Mtap4	-0.911282	1	-1.05524	20.9344	9.5829	No change
NM_008652	Mybl2	-0.910637	1	-1.83724	1.07307	0.271495	No change
NM_001015507	Vprbp	-0.909146	1	-1.09655	13.4164	5.96483	No change
NM_025543	Mcts2	-0.908865	1	-1.25316	28.4032	11.2879	No change
NM_010865	Myoc	-0.906041	1	-2.40072	1.30674	0.207089	No change
NM_180956	Ndr3	-0.905728	1	-1.07117	34.288	15.5195	No change
NM_011993	Dpysl4	-0.904963	1	-2.12715	1.34685	0.272039	No change
NM_134027	Med1	-0.904347	1	-1.12225	19.1217	8.3472	No change
NM_178405	Atp1a2	-0.903592	1	-1.13179	7.92398	3.43564	No change
NM_023113	Aspa	-0.902367	1	-1.79304	2.6805	0.701998	No change
NM_001163284	Zbtb5	-0.901682	1	-1.13407	8.49247	3.67601	No change
NM_146247	Mettl22	-0.901444	1	-1.61197	4.51173	1.36693	No change
NM_001159517	Qk	-0.900397	1	-1.04035	27.2907	12.6228	No change
NM_031166	Id4	-0.900051	1	-1.45005	5.6678	1.94614	No change
NM_001190466	Dact1	-0.89886	1	-1.58658	1.66774	0.515383	No change
NM_144851	Senp1	-0.898349	1	-1.10912	15.2912	6.73698	No change
NM_029624	Lmf1	-0.897888	1	-1.26072	11.5758	4.57371	No change
NM_019765	Clp1	-0.897874	1	-1.02972	31.4856	14.6719	No change
NM_001029936	Specc1	-0.89748	1	-1.27646	2.80818	1.09687	No change
NM_001033423	Gm773	-0.897194	1	-3.88615	1.09926	0	No change
NM_001034904	Gm5891	-0.897194	1	-3.88615	0.605674	0	No change
NM_001098528	Kcnb2	-0.897194	1	-2.88615	0.19691	0.0135225	No change
NM_001134752	Gm16532	-0.897194	1	-2.88615	0.477349	0.0327813	No change
NM_001163195	Gm14692	-0.897194	1	-3.88615	1.51506	0	No change
NM_001190373	Kcng2	-0.897194	1	-3.88615	0.371366	0	No change
NM_001201364	Gm10662	-0.897194	1	-3.88615	0.606377	0	No change
NM_007685	Cfc1	-0.897194	1	-3.88615	1.00712	0	No change
NM_008498	Lhx1	-0.897194	1	-2.88615	0.380143	0.0261058	No change
NM_008639	Mtnr1a	-0.897194	1	-3.88615	0.695538	0	No change
NM_010056	Dlx5	-0.897194	1	-2.88615	0.743524	0.0510604	No change
NM_010639	Klk1	-0.897194	1	-3.88615	1.19337	0	No change
NM_011392	Slc34a1	-0.897194	1	-3.88615	0.339303	0	No change
NM_011452	Serp1b9b	-0.897194	1	-2.88615	0.541936	0.0372167	No change
NM_013458	Add2	-0.897194	1	-2.88615	0.33517	0.0230173	No change
NM_022416	Stk32b	-0.897194	1	-2.88615	0.303894	0.0208695	No change
NM_025312	Sostdc1	-0.897194	1	-3.88615	0.597027	0	No change
NM_026200	Kcnv1	-0.897194	1	-3.88615	0.232516	0	No change
NM_028496	1700031F05Rik	-0.897194	1	-3.88615	0.768672	0	No change
NM_028992	Gsdmc4	-0.897194	1	-3.88615	0.501629	0	No change
NM_146908	Olf1280	-0.897194	1	-3.88615	1.13877	0	No change
NM_152811	Ugt2b1	-0.897194	1	-2.88615	0.410764	0.0282086	No change
NM_153568	Lrrc66	-0.897194	1	-3.88615	0.337987	0	No change
NM_177233	Fam19a4	-0.897194	1	-3.88615	0.479099	0	No change
NM_183179	Kcnv2	-0.897194	1	-2.88615	0.205908	0.0141404	No change

NM_026370	Myst1	-0.89718	1	-1.26466	13.2152	5.2064	No change
NM_001080706	Btaf1	-0.896479	1	-1.03167	15.9551	7.42462	No change
NM_007691	Chek1	-0.896226	1	-1.4962	2.35934	0.781945	No change
NM_010778	Cd46	-0.896226	1	-1.4962	6.60733	2.18983	No change
NM_023536	Mrto4	-0.894938	1	-1.26568	20.9828	8.25982	No change
NM_018810	Mkrn1	-0.894859	1	-0.992788	86.9263	41.5683	No change
NM_027456	Armc9	-0.893692	1	-1.44957	4.25507	1.46106	No change
NM_009836	Cct3	-0.893364	1	-1.05476	49.0379	22.4507	No change
NM_001166388	Ptp4a3	-0.892749	1	-1.38013	3.07469	1.11231	No change
NM_138598	D11Wsu99e	-0.891822	1	-1.07127	29.8494	13.5071	No change
NM_009193	Slbp	-0.89124	1	-1.11173	32.1331	14.1293	No change
NM_013661	Sema5b	-0.890414	1	-1.34748	2.89112	1.07151	No change
NM_027999	Haus5	-0.890069	1	-1.40615	4.79437	1.70074	No change
NM_011138	Pou2f2	-0.889892	1	-2.23664	1.05724	0.196031	No change
NM_011988	Slc27a3	-0.889625	1	-1.56732	2.83079	0.887482	No change
NM_001033298	Plk1s1	-0.888573	1	-1.0688	35.9486	16.2949	No change
NM_207110	Rnf216	-0.888498	1	-1.07279	15.8454	7.16219	No change
NM_019986	Habp4	-0.888101	1	-1.14263	15.4753	6.65612	No change
NM_172652	4632411B12Rik	-0.887152	1	-1.04777	20.7151	9.53005	No change
NM_007771	Cry1	-0.885791	1	-1.19874	8.87337	3.66572	No change
NM_019785	Actr10	-0.885718	1	-1.08762	15.4084	6.89165	No change
NM_133801	Gtf2f1	-0.885536	1	-1.01742	82.416	38.7337	No change
NM_027973	Mlf1ip	-0.88474	1	-1.26252	7.59927	2.99735	No change
NM_026375	Ahctf1	-0.883268	1	-0.955136	52.8912	25.9654	No change
NM_001113326	Msr1	-0.882795	1	-1.86015	2.56538	0.636184	No change
NM_001081428	Fam184a	-0.882467	1	-1.06943	18.1777	8.23533	No change
NM_021529	Ppp2r3c	-0.882243	1	-1.09755	22.8139	10.1317	No change
NM_027090	2300009A05Rik	-0.880413	1	-1.28693	27.2711	10.5646	No change
NM_180588	Reep4	-0.880174	1	-1.3177	8.51339	3.22415	No change
NM_001044389	Clpx	-0.878012	1	-1.09949	18.3846	8.15284	No change
NM_028601	Zmiz2	-0.878006	1	-1.17051	7.21305	3.0404	No change
NM_013839	Nr1h3	-0.877397	1	-1.42867	4.74126	1.65248	No change
NM_001162943	Dchs1	-0.87736	1	-1.35821	1.11891	0.411159	No change
NM_145521	Ppapdc3	-0.877341	1	-2.51841	1.14627	0.157436	No change
NM_145456	Zswim6	-0.87578	1	-1.191	4.81389	1.99931	No change
NM_001001792	Zfp239	-0.875729	1	-1.76879	1.43697	0.382817	No change
NM_152895	Kdm5b	-0.874862	1	-0.997029	26.0076	12.3982	No change
NM_013862	Rabgap1l	-0.874634	1	-1.14519	10.4136	4.46964	No change
NM_001081315	Brpf3	-0.874338	1	-1.14801	5.75232	2.46395	No change
NM_017462	Polg	-0.873911	1	-1.05443	16.6499	7.62271	No change
NM_001145937	Odz3	-0.873336	1	-1.21024	2.11693	0.867009	No change
NR_027930	1110020A21Rik	-0.872909	1	-1.53186	7.84352	2.52489	No change
NM_001159556	Cd36	-0.872031	1	-1.24208	5.7001	2.28109	No change
NM_028232	Sgol1	-0.871719	1	-1.91363	1.00417	0.238706	No change
NM_001039050	Pkib	-0.870415	1	-1.27317	2.95955	1.15771	No change
NM_172681	D930015E06Rik	-0.868998	1	-1.04513	16.3123	7.51692	No change
NM_001081100	Morn1	-0.868782	1	-1.63617	3.06296	0.907652	No change
NM_007829	Daxx	-0.865775	1	-1.13659	13.5282	5.84119	No change
NM_019682	Dynll1	-0.865542	1	-0.981403	89.5559	43.1598	No change
NM_181848	Optn	-0.864771	1	-1.02892	37.9802	17.7023	No change
NM_027290	Mcm10	-0.864532	1	-1.72942	1.19679	0.328751	No change
NM_025556	2410022L05Rik	-0.862991	1	-1.16325	35.7155	15.128	No change
NM_028977	Lrrc17	-0.861734	1	-1.47111	3.50376	1.1812	No change
NM_023178	Dmap1	-0.861257	1	-1.15049	20.3137	8.68324	No change
NM_001003918	Usp7	-0.861255	1	-0.945113	62.8354	31.0605	No change
NM_009410	Top3a	-0.861123	1	-1.12615	9.70856	4.223	No change
NM_001199330	Al987944	-0.859839	1	-1.07357	18.7132	8.45032	No change
NM_027263	Apitd1	-0.857708	1	-2.20807	3.67199	0.694751	No change
NM_013854	Abcf1	-0.856416	1	-1.01634	30.4879	14.3354	No change
NM_001146215	Msh5	-0.855945	1	-1.4584	2.91798	0.992997	No change
NM_008451	Klc2	-0.855202	1	-1.09157	14.9458	6.66274	No change
NM_026563	Sdccag3	-0.854704	1	-0.963114	93.4743	45.6257	No change
NM_010141	Epha7	-0.854694	1	-1.78661	0.569387	0.149298	No change
NM_031863	Cenpq	-0.85279	1	-1.36217	7.34627	2.68843	No change
NM_025414	Myo19	-0.850353	1	-1.28927	3.55214	1.37215	No change
NM_172438	Thoc5	-0.850327	1	-1.22125	8.54401	3.46909	No change
NM_001205226	Cnot1	-0.84981	1	-0.913032	70.8005	35.7883	No change
NM_025999	Rnf141	-0.849669	1	-1.22718	19.3998	7.84271	No change
NM_152922	Egfl8	-0.849579	1	-1.38184	8.45495	3.04832	No change
NM_181412	Zbed4	-0.849342	1	-1.04488	12.0607	5.55732	No change
NM_011724	Xirp1	-0.849303	1	-2.58658	0.298394	0.0368852	No change
NM_013487	Cd3d	-0.849303	1	-2.58658	1.31002	0.161935	No change
NM_008252	Hmgb2	-0.847565	1	-1.10171	14.5237	6.42705	No change
NM_007400	Adam12	-0.846421	1	-1.58658	0.699291	0.215167	No change
NM_028567	1700094D03Rik	-0.845846	1	-1.18993	7.08856	2.94396	No change
NM_027994	Cand1	-0.845159	1	-0.949042	27.0571	13.3367	No change

NM_026539	Chd1l	-0.844565	1	-1.02391	25.5782	11.9612	No change
NM_009995	Cyp21a1	-0.843951	1	-2.23978	1.63088	0.298662	No change
NM_027057	Wdfy1	-0.843885	1	-1.23782	23.717	9.51205	No change
NM_001083918	Gm13139	-0.843404	1	-0.972312	52.7119	25.5615	No change
NM_001122754	Txk	-0.843288	1	-2.6935	0.617845	0.0636445	No change
NM_009317	Tal2	-0.843288	1	-2.6935	1.21841	0.125509	No change
NM_009522	Wnt3a	-0.843288	1	-2.6935	0.506673	0.0521926	No change
NM_175319	C330005M16Rik	-0.843288	1	-2.6935	0.724836	0.0746656	No change
NM_023135	Sult1e1	-0.842791	1	-1.35271	8.35209	3.07676	No change
NM_001085421	Tsply5	-0.841699	1	-1.19381	5.23262	2.1668	No change
NM_001113399	Zfp385b	-0.840956	1	-1.88615	1.33121	0.322656	No change
NM_007645	Cd37	-0.840956	1	-1.88615	2.89914	0.702685	No change
NM_025343	Rmnd1	-0.839935	1	-1.08215	23.1053	10.3668	No change
NM_009743	Bcl2l1	-0.839513	1	-1.05109	23.3682	10.7187	No change
NR_002875	Gm1821	-0.839381	1	-0.893933	1123.22	575.349	No change
NM_010908	Nfkbib	-0.839373	1	-1.18119	11.3945	4.76146	No change
NM_001162503	Sqrdl	-0.838183	1	-0.982242	70.1536	33.7814	No change
NM_001162906	2410089E03Rik	-0.837589	1	-1.04212	5.6452	2.60584	No change
NM_138757	4933424B01Rik	-0.837499	1	-1.00162	29.595	14.0578	No change
NM_153078	Ehbp1	-0.835812	1	-1.02663	14.008	6.53728	No change
NM_175443	Etnk2	-0.835011	1	-1.39429	3.88372	1.38605	No change
NM_178691	Yod1	-0.834053	1	-1.1028	9.12364	4.0332	No change
NM_008188	Thumpd3	-0.833093	1	-1.0393	28.168	13.0276	No change
NM_172598	Wdhd1	-0.832584	1	-1.24778	3.67332	1.46196	No change
NM_010858	Myl4	-0.831521	1	-2.27846	3.23603	0.569124	No change
NM_011815	Fyb	-0.831225	1	-1.40239	3.17614	1.12634	No change
NM_028266	Col16a1	-0.829334	1	-1.20272	3.58773	1.47553	No change
NM_144879	Vash2	-0.827056	1	-1.01912	16.4807	7.73134	No change
NM_012027	Mprlp	-0.82347	1	-0.930118	23.7784	11.8753	No change
NM_001204973	Brd2	-0.821832	1	-0.923321	49.2837	24.7301	No change
NM_009769	Klf5	-0.821795	1	-2.32672	1.49486	0.249708	No change
NM_010626	Klf7	-0.821257	1	-1.45689	1.5412	0.523906	No change
NM_001033128	Bbs1	-0.82103	1	-1.14114	4.44531	1.91118	No change
NM_008384	Inpp1	-0.818953	1	-1.18491	10.8822	4.53246	No change
NM_029843	1700109H08Rik	-0.81869	1	-1.39062	11.7942	4.21709	No change
NM_029738	Cluap1	-0.818108	1	-1.19195	11.6228	4.81607	No change
NM_008415	Jrk	-0.81779	1	-1.13212	4.65124	2.01259	No change
NM_173428	Sspo	-0.817269	1	-2.38865	0.147607	0.023038	No change
NM_025680	Ctnnb1	-0.815303	1	-1.18449	6.94122	2.89162	No change
NM_029840	2610029I01Rik	-0.814399	1	-1.63822	2.76664	0.814264	No change
NM_001033139	Al846148	-0.814328	1	-1.15463	6.94083	2.95464	No change
NM_029278	Nop14	-0.814304	1	-1.02974	19.577	9.11336	No change
NM_026330	Nsmce1	-0.813986	1	-0.99701	67.9931	32.3935	No change
NM_010193	Fem1b	-0.813726	1	-0.926911	28.5064	14.2675	No change
NM_144536	Cdkal1	-0.813715	1	-1.01501	23.7527	11.1731	No change
NM_052992	Fxyd1	-0.81351	1	-1.343	15.5495	5.76172	No change
NM_134081	Dnajc9	-0.812414	1	-1.04075	28.9711	13.381	No change
NM_026872	Ubap2	-0.811977	1	-1.01975	12.9687	6.0798	No change
NM_153805	Pkn3	-0.811773	1	-1.68133	1.37912	0.391899	No change
NM_153515	Ammecr1l	-0.81091	1	-1.03474	14.5547	6.75103	No change
NM_010436	H2afx	-0.8109	1	-1.1538	16.0001	6.8146	No change
NR_028309	Serpinc6a	-0.810652	1	-0.960994	72.7023	35.5264	No change
NM_029441	Cdyl2	-0.810061	1	-1.38865	3.41094	1.22083	No change
NM_023197	2310008H09Rik	-0.809866	1	-0.955031	21.0787	10.3434	No change
NM_001039244	Gm7120	-0.809394	1	-1.25856	14.3194	5.64913	No change
NM_011890	Sgcb	-0.808825	1	-1.11347	7.29279	3.19756	No change
NM_172609	Tommm2	-0.808741	1	-0.96905	91.3359	44.3786	No change
NM_001039488	4933421E11Rik	-0.80808	1	-0.989593	21.8685	10.4726	No change
NM_011690	Vars	-0.807937	1	-1.04317	10.543	4.86085	No change
NM_023773	Mphosph8	-0.80264	1	-1.03568	15.3951	7.13511	No change
NM_146084	Fam13b	-0.802404	1	-0.958689	29.3027	14.341	No change
NM_010786	Mdm2	-0.80226	1	-0.960756	31.4965	15.3923	No change
NM_198022	Tnrc6c	-0.801975	1	-0.993529	7.56351	3.61176	No change
NM_001135577	BC024659	-0.801293	1	-1.05477	8.58142	3.92344	No change
NM_177263	Zhx3	-0.800754	1	-0.973608	17.9677	8.70145	No change
NM_201407	Dennd4b	-0.799726	1	-1.24655	2.4397	0.970687	No change
NM_001163511	Spata5	-0.799628	1	-1.01018	18.8722	8.90603	No change
NM_133755	Tubgcp2	-0.799318	1	-0.995518	20.3996	9.72727	No change
NM_009103	Rrm1	-0.799311	1	-1.07277	8.31712	3.75389	No change
NM_026605	Sympk	-0.798351	1	-1.03267	10.8404	5.0346	No change
NM_001037762	Zdhhc12	-0.798179	1	-1.1903	14.5799	6.0449	No change
NM_175367	Ston2	-0.796635	1	-1.09998	2.75363	1.21876	No change
NM_175510	Unc80	-0.796524	1	-1.73414	0.272942	0.0742684	No change
NM_001085522	Gm13251	-0.795763	1	-0.931171	35.007	17.4663	No change
NM_173018	Myo9a	-0.795299	1	-0.900434	17.7113	9.02933	No change
NM_008676	Nbr1	-0.795062	1	-0.894702	53.0225	27.1397	No change

NM_021360	Neurl1a	-0.794208	1	-1.55241	1.2068	0.379846	No change
NM_199252	Unc93a	-0.793404	1	-1.20165	5.88026	2.41748	No change
NM_207213	Snx25	-0.793052	1	-0.994093	19.5195	9.31621	No change
NM_001033317	Cnga4	-0.792754	1	-1.6935	1.54561	0.43422	No change
NR_003368	Pvt1	-0.792754	1	-1.6935	1.24695	0.350314	No change
NM_021337	Skiv2l	-0.792169	1	-0.943037	26.3613	13.043	No change
NM_001159500	Esrrb	-0.791949	1	-2.2437	0.648306	0.116869	No change
NM_153534	Adcy2	-0.791854	1	-1.58129	1.10886	0.340969	No change
NM_001205181	Abhd4	-0.791368	1	-0.945625	37.5834	18.5615	No change
NM_178791	E130203B14Rik	-0.790957	1	-1.45551	2.31209	0.785173	No change
NM_001013616	Trim6	-0.789583	1	-1.6155	1.12907	0.337663	No change
NM_001198794	AB124611	-0.789583	1	-1.6155	3.30602	0.988705	No change
NM_009418	Tpp2	-0.789154	1	-0.96302	17.0297	8.30792	No change
NM_172304	Tex10	-0.788812	1	-0.956181	26.6108	13.0448	No change
NM_177673	BC046331	-0.788602	1	-1.12511	6.80554	2.95752	No change
NM_026005	2610301B20Rik	-0.788244	1	-1.0441	17.7358	8.16885	No change
NM_001160108	Zc3h14	-0.7867	1	-0.952597	36.7536	18.062	No change
NM_001004147	Fbll1	-0.786598	1	-3.79304	0.648306	0	No change
NM_001029935	Trim38	-0.786598	1	-3.79304	0.689054	0	No change
NM_001085525	Gm14511	-0.786598	1	-3.79304	1.15059	0	No change
NM_001104623	Vmn2r12	-0.786598	1	-3.79304	0.390906	0	No change
NM_001111293	Xlr5b	-0.786598	1	-2.79304	0.860407	0.0633077	No change
NM_001126488	Tex28	-0.786598	1	-3.79304	0.687113	0	No change
NM_001126491	Gm14459	-0.786598	1	-3.79304	1.80685	0	No change
NM_001163318	Gm11744	-0.786598	1	-2.79304	1.2181	0.0896267	No change
NM_001170884	Trim43b	-0.786598	1	-2.79304	0.431344	0.0317378	No change
NM_001185002	Rhox13	-0.786598	1	-3.79304	0.778071	0	No change
NM_008919	Ppyr1	-0.786598	1	-3.79304	0.512717	0	No change
NM_010246	Fzd9	-0.786598	1	-3.79304	0.462418	0	No change
NM_011060	Padi3	-0.786598	1	-2.79304	0.318025	0.0233999	No change
NM_028638	Gadl1	-0.786598	1	-2.79304	0.267169	0.019658	No change
NM_029848	Hyal4	-0.786598	1	-2.79304	0.46729	0.0343826	No change
NM_033268	Actn2	-0.786598	1	-2.79304	0.326978	0.0240586	No change
NM_080854	Slc34a3	-0.786598	1	-3.79304	0.481352	0	No change
NM_144890	BC018465	-0.786598	1	-3.79304	0.59603	0	No change
NM_175086	Agtr1b	-0.786598	1	-3.79304	0.454449	0	No change
NM_175632	Oscar	-0.786598	1	-2.79304	0.535805	0.0394239	No change
NM_176847	Ush1g	-0.786598	1	-3.79304	0.306535	0	No change
NM_177075	C030019I05Rik	-0.786598	1	-2.79304	0.431154	0.0317238	No change
NM_177360	Dmrt3	-0.786598	1	-3.79304	0.408072	0	No change
NM_178915	Tmem179	-0.786598	1	-2.79304	0.411168	0.0302533	No change
NM_198667	BC061212	-0.786598	1	-3.79304	0.612109	0	No change
NM_198898	Ssxb3	-0.786598	1	-3.79304	1.6154	0	No change
NR_015560	2610028E06Rik	-0.786598	1	-2.79304	0.275388	0.0202628	No change
NM_013763	Tbl2	-0.786356	1	-0.995293	12.7781	6.09296	No change
NM_153779	Aifm2	-0.786181	1	-1.47111	4.51325	1.51367	No change
NM_009801	Car2	-0.784354	1	-1.08559	15.3402	6.85824	No change
NM_001033794	Fbxw18	-0.783618	1	-2.53	1.10114	0.141786	No change
NM_025967	D16Ert472e	-0.783065	1	-1.05457	5.63365	2.57519	No change
NM_019683	Ankrd49	-0.782372	1	-1.01949	24.5743	11.5175	No change
NM_007403	Adam8	-0.782066	1	-1.91589	1.10259	0.260284	No change
NM_001039519	Gtf2a2	-0.781568	1	-1.08628	30.7	13.7175	No change
NM_007708	Cit	-0.781472	1	-1.48881	0.818609	0.270674	No change
NM_019639	Ubc	-0.780431	1	-0.803783	1723.19	939.663	No change
NM_001177371	Dbn1	-0.780365	1	-1.31175	3.11374	1.17922	No change
NM_026182	Mtfr1	-0.779988	1	-0.93467	35.2561	17.5449	No change
NM_025690	Sltm	-0.779753	1	-0.955238	20.9777	10.2892	No change
NM_178208	Hist1h4c	-0.779626	1	-1.0129	143.183	67.4191	No change
NM_009315	Taf6	-0.779058	1	-0.966442	30.1059	14.6499	No change
NM_001167592	Pate-dj	-0.77873	1	-1.58658	3.35617	1.02636	No change
NM_198162	Morc2a	-0.778258	1	-1.02218	9.27767	4.33964	No change
NM_008937	Prox1	-0.777779	1	-2.28824	0.606758	0.104171	No change
NR_033355	5430416O09Rik	-0.777779	1	-2.28824	0.614035	0.10542	No change
NM_001164413	Cnot4	-0.777713	1	-0.976717	17.1911	8.30471	No change
NM_007435	Abcd1	-0.77734	1	-1.24632	3.50411	1.39318	No change
NM_019757	Fzr1	-0.777264	1	-1.00985	19.9123	9.39589	No change
NM_026592	B230118H07Rik	-0.777125	1	-0.967357	29.1488	14.1747	No change
NM_026819	Dhrs1	-0.776485	1	-0.944939	56.9009	28.1112	No change
NM_001033201	Ncbp1	-0.775389	1	-0.981383	18.2129	8.76907	No change
NM_175211	Ralgps1	-0.775048	1	-1.03598	13.1342	6.08309	No change
NM_001100116	1700047117Rik2	-0.774829	1	-0.970018	16.3663	7.94355	No change
NM_028527	Fam177a	-0.774829	1	-0.970018	16.3663	7.94355	No change
NM_011849	Nek4	-0.774614	1	-1.0324	13.5585	6.2956	No change
NM_001146217	Smoc1	-0.774301	1	-1.31583	2.61149	0.985688	No change
NM_022989	Arl6ip6	-0.772765	1	-1.07357	10.7283	4.83668	No change
NM_001159328	Hgs	-0.771858	1	-1.03025	12.5821	5.85091	No change

NM_019798	Pde4a	-0.771259	1	-1.11321	5.17863	2.26891	No change
NM_001122989	Cdc14b	-0.771177	1	-0.968704	10.9615	5.32498	No change
NM_019428	Rpp30	-0.769877	1	-1.40072	5.96851	2.1115	No change
NM_001044371	Rad17	-0.768965	1	-0.984026	19.1213	9.1884	No change
NM_016867	Gipc2	-0.768584	1	-1.55992	3.63903	1.13593	No change
NM_026391	Ppp2r2d	-0.768551	1	-1.02102	18.6029	8.70723	No change
NM_011351	Sema6c	-0.767761	1	-2.34558	0.784444	0.126259	No change
NM_177601	Tmem60	-0.767353	1	-1.07879	28.9009	12.9792	No change
NM_007870	Dnase1l3	-0.766402	1	-2.4222	0.527549	0.0776328	No change
NM_177861	Tmem67	-0.766145	1	-1.05191	8.71666	3.9907	No change
NM_011247	Rbbp6	-0.765736	1	-0.90678	18.9888	9.63544	No change
NM_177630	Ldoc1l	-0.763841	1	-1.13206	4.20425	1.81667	No change
NM_028777	Sec14l1	-0.763632	1	-0.992892	15.984	7.63201	No change
NM_001110163	Pde4dip	-0.763357	1	-0.898842	15.4544	7.88567	No change
NM_023060	Eefsec	-0.761811	1	-1.04027	11.7846	5.43993	No change
NM_021286	Sez6	-0.760759	1	-2.62311	0.323757	0.0351056	No change
NM_001039087	Rapgef1	-0.757685	1	-1.01914	5.68603	2.66445	No change
NM_020028	Lpar2	-0.757377	1	-1.36614	1.28359	0.46593	No change
NM_177566	Arhgef15	-0.756486	1	-1.49022	1.26377	0.416582	No change
NM_178202	Hist1h2bp	-0.756269	1	-0.975627	83.7723	40.4882	No change
NM_001025613	Otd7b	-0.755379	1	-0.938192	8.73205	4.33351	No change
NM_178211	Hist1h4k	-0.754788	1	-1.01421	115.485	54.3034	No change
NM_001110020	Gm6900	-0.754312	1	-1.56422	6.33572	1.9683	No change
NM_026689	Mul1	-0.753659	1	-0.990365	11.5034	5.50167	No change
NM_008563	Mcm3	-0.752183	1	-1.18292	4.78143	1.99005	No change
NM_019696	Cpxm1	-0.752166	1	-1.11934	7.68609	3.35084	No change
NM_001098231	Pdp1	-0.751754	1	-1.02008	8.13	3.8067	No change
NM_001195529	Gm4980	-0.751272	1	-2.20807	0.89497	0.165471	No change
NR_003652	Gm7337	-0.750689	1	-1.51233	1.83817	0.595102	No change
NM_001099633	Dnahc9	-0.750354	1	-1.15434	1.12832	0.47951	No change
NM_024219	Hsbp1	-0.750256	1	-0.891313	100.322	51.4553	No change
NM_009015	Rad54l	-0.749615	1	-1.24081	3.51298	1.4008	No change
NM_008636	Mtf1	-0.748471	1	-0.930716	9.29726	4.63805	No change
NM_001123372	Gm3435	-0.748247	1	-0.975782	22.8745	11.053	No change
NM_019702	Hbs1l	-0.747332	1	-0.950434	20.586	10.1273	No change
NM_199012	Fchs2	-0.746346	1	-1.36319	1.61158	0.585916	No change
NM_001205071	Josd2	-0.744536	1	-1.4222	6.38295	2.21719	No change
NR_027956	1700052K11Rik	-0.743815	1	-1.09845	8.20257	3.62971	No change
NM_019421	Cd320	-0.74351	1	-0.972234	20.665	10.0098	No change
NM_199032	Cep135	-0.74293	1	-1.11994	3.31809	1.44555	No change
NM_026231	Gstdc	-0.741934	1	-1.03895	10.5644	4.87926	No change
NR_027899	1700109F18Rik	-0.741462	1	-1.13798	20.1881	8.68002	No change
NM_028850	Chic2	-0.740517	1	-1.07427	19.8766	8.94973	No change
NM_027933	Ranbp3	-0.74012	1	-0.984255	16.2214	7.79015	No change
NM_011991	Cops3	-0.738976	1	-0.892254	63.1509	32.3655	No change
NM_133747	Fam98a	-0.737056	1	-0.921551	24.468	12.2837	No change
NM_001143849	Pde2a	-0.737032	1	-1.43634	1.39351	0.478488	No change
NM_001030306	Fam193a	-0.737024	1	-0.93581	13.037	6.47939	No change
NM_173431	Rpgrip1l	-0.736906	1	-0.939519	8.25035	4.08969	No change
NM_012048	Polk	-0.736895	1	-0.947874	12.583	6.20059	No change
NM_001127346	Ndufaf2	-0.736557	1	-1.07744	31.2593	14.0415	No change
NM_020255	Scand1	-0.734807	1	-1.39394	8.25311	2.92832	No change
NM_138674	Pkhd1l1	-0.734695	1	-1.64103	0.289954	0.0845329	No change
NM_148932	Pom121	-0.734692	1	-1.02365	5.2073	2.43119	No change
NM_001122963	Gpbp1	-0.733277	1	-0.835219	61.48	32.7934	No change
NM_022029	Nrgn	-0.732413	1	-2.24872	1.88651	0.333137	No change
NM_146105	Cnst	-0.732227	1	-0.989239	7.989	3.82253	No change
NM_177249	Usp47	-0.731524	1	-0.830292	41.6042	22.268	No change
NM_134003	Zc3h10	-0.730802	1	-1.06052	10.8092	4.91437	No change
NM_001033300	Gmps	-0.73071	1	-0.871525	25.4539	13.2358	No change
NM_028047	1500002O20Rik	-0.730299	1	-1.04124	11.3032	5.21064	No change
NM_010492	Ica1	-0.729885	1	-0.908214	35.3671	17.9218	No change
NM_025571	Pam16	-0.729113	1	-1.13007	28.2812	12.2253	No change
NM_008713	Nos3	-0.728884	1	-1.60604	0.92969	0.278597	No change
NM_028718	Traf3ip1	-0.728047	1	-1.08469	5.55552	2.48192	No change
NM_028476	Atat1	-0.727954	1	-1.12318	8.11203	3.52415	No change
NM_023727	Rd3	-0.727909	1	-1.15496	3.7282	1.58249	No change
NR_015540	4933400F21Rik	-0.726873	1	-1.07057	5.77075	2.60444	No change
NM_175104	Fam53c	-0.726319	1	-0.953052	10.2943	5.05344	No change
NM_025517	Rtcd1	-0.726176	1	-0.953259	29.4408	14.4502	No change
NM_172722	Naa25	-0.72604	1	-1.04562	7.69877	3.53753	No change
NM_018886	Lgals8	-0.725629	1	-0.859091	46.0961	24.1787	No change
NM_001038993	Rnf38	-0.725582	1	-0.847465	31.0168	16.4023	No change
NM_019816	Aatf	-0.724965	1	-0.949691	26.0187	12.8027	No change
NM_013715	Cops5	-0.724964	1	-0.879895	77.6803	40.1543	No change
NM_178192	Hist1h4a	-0.724315	1	-0.979073	117.942	56.8345	No change

NM_018739	Rp9	-0.723891	1	-0.937746	45.1385	22.3993	No change
NM_001099302	Gm5640	-0.723028	1	-1.28911	2.87444	1.10409	No change
NM_011188	Psmc2	-0.721732	1	-0.935933	28.7845	14.3018	No change
NM_028336	Tmem107	-0.720849	1	-1.28145	6.61119	2.55383	No change
NM_007563	Bpgm	-0.720656	1	-0.926683	26.7246	13.3653	No change
NM_001033148	1700029J07Rik	-0.719452	1	-0.97193	13.6334	6.60267	No change
NM_028430	Ppil6	-0.719243	1	-1.34558	6.38309	2.3483	No change
NM_026191	Dhx40	-0.718461	1	-0.840341	41.172	21.8804	No change
NM_001164224	Aspscr1	-0.718455	1	-0.984409	21.751	10.4406	No change
NM_031998	Tsga14	-0.718143	1	-0.966464	11.4024	5.54362	No change
NM_173784	Ubd2	-0.715762	1	-1.01135	9.10238	4.28567	No change
NM_008467	Kpna4	-0.715353	1	-0.835082	42.5527	22.6972	No change
NM_009203	Slc22a12	-0.71486	1	-2.47111	0.711468	0.0955938	No change
NM_170673	Cpne9	-0.71486	1	-2.47111	0.576804	0.0775001	No change
NM_178662	Atcay	-0.71486	1	-2.47111	0.435936	0.058573	No change
NM_008990	Pvrl2	-0.713849	1	-0.975046	12.7664	6.16851	No change
NM_028151	Skiv2l2	-0.713491	1	-0.837056	45.0087	23.9737	No change
NM_152803	Hpse	-0.712905	1	-1.4032	1.85426	0.652222	No change
NM_173870	Mgat4a	-0.712296	1	-1.08116	2.56878	1.15004	No change
NM_001007589	Akirin2	-0.711797	1	-0.979657	19.3389	9.3132	No change
NM_001164053	Pkig	-0.710638	1	-0.95783	33.7537	16.5094	No change
NM_030689	Nptxr	-0.710371	1	-1.16743	2.45031	1.02994	No change
NM_145427	Atpaf2	-0.708834	1	-0.987074	16.5722	7.93824	No change
NM_001081238	Palb2	-0.708824	1	-1.43363	1.39497	0.47899	No change
NM_008443	Kif3a	-0.708369	1	-1.00344	5.0751	2.40271	No change
NM_015805	Atp9b	-0.70826	1	-0.832843	27.082	14.4672	No change
NM_001014836	4930404N11Rik	-0.708017	1	-1.10228	22.9636	10.123	No change
NM_054078	Baz2a	-0.707965	1	-0.828913	18.5121	9.9164	No change
NM_001007580	Fndc3c1	-0.707632	1	-2.37157	0.391045	0.0596766	No change
NM_001042617	Cadps	-0.707632	1	-2.37157	0.344635	0.0525941	No change
NM_025636	Ntpcr	-0.70574	1	-1.13875	11.5853	4.97253	No change
NM_001038627	Smurf1	-0.70493	1	-0.897423	11.7353	5.99043	No change
NM_025956	1700011H14Rik	-0.70475	1	-0.97515	27.8891	13.4723	No change
NM_019681	Ncs1	-0.704521	1	-1.25538	2.12447	0.836227	No change
NM_001168304	Cdk19	-0.703261	1	-0.949339	6.70886	3.30088	No change
NM_001082536	Mkl1	-0.701443	1	-1.09599	3.63948	1.61143	No change
NM_080562	Ubox5	-0.701295	1	-1.05105	5.41047	2.47488	No change
NM_027556	Cep192	-0.699755	1	-0.881819	8.59429	4.43537	No change
NM_177192	Dennd5b	-0.699514	1	-0.870824	7.95944	4.13968	No change
NM_001166033	Gtf3c4	-0.698245	1	-0.866449	11.3742	5.93389	No change
NM_013614	Odc1	-0.69823	1	-0.821428	58.4195	31.4561	No change
NM_001081270	Dscaml1	-0.69648	1	-1.6935	0.485877	0.135553	No change
NM_133839	Mmadhc	-0.696264	1	-0.859482	65.946	34.5722	No change
NM_023320	Plekho1	-0.695477	1	-1.16878	8.31389	3.4891	No change
NM_175265	6720463M24Rik	-0.694339	1	-1.16133	5.04537	2.129	No change
NM_016860	Actr1a	-0.694212	1	-0.792601	84.2059	46.2635	No change
NM_008231	Hdgf	-0.694096	1	-0.826167	57.7411	30.9868	No change
NM_001164597	Znf512b	-0.694011	1	-0.842789	19.1227	10.1432	No change
NM_011283	Rp1	-0.693999	1	-1.38572	0.751882	0.267734	No change
NM_009261	Strbp	-0.693883	1	-0.785897	16.1102	8.89263	No change
NM_001163019	A430005L14Rik	-0.693759	1	-1.02275	22.6874	10.5897	No change
NM_011416	Smarca2	-0.692813	1	-0.851964	15.49	8.1634	No change
NM_183174	Homez	-0.690872	1	-0.957137	5.9403	2.90595	No change
NM_030266	Inpp4a	-0.690702	1	-1.13212	2.25448	0.971854	No change
NM_027494	Zcchc8	-0.690312	1	-0.906494	11.5938	5.87929	No change
NM_197997	4930422G04Rik	-0.690129	1	-1.01406	3.25326	1.5279	No change
NM_007415	Parp1	-0.688291	1	-0.94767	9.14185	4.50218	No change
NM_009171	Shmt1	-0.687108	1	-0.990096	12.5886	6.01445	No change
NM_145495	Rin1	-0.687048	1	-1.26724	1.85247	0.722036	No change
NM_134101	Psm2	-0.686437	1	-0.814262	46.509	25.1668	No change
NM_178748	Egflam	-0.685974	1	-0.913112	9.43728	4.76303	No change
NM_001134802	Apol7e	-0.685292	1	-2.05607	1.37696	0.29013	No change
NM_176979	Topbp1	-0.684899	1	-0.913453	8.71332	4.39651	No change
NM_028794	Nudt9	-0.684565	1	-0.931192	28.8385	14.369	No change
NM_001146048	Lrrc1	-0.684492	1	-0.834897	32.2748	17.2132	No change
NM_025821	Carhsp1	-0.683808	1	-0.887961	19.423	9.97867	No change
NM_026367	Gpatch2	-0.683802	1	-0.913802	9.66723	4.87655	No change
NM_019935	Ovol1	-0.683428	1	-1.13612	4.20561	1.80715	No change
NM_198014	Slain1	-0.68324	1	-1.39804	1.93309	0.681228	No change
NM_175251	Arid2	-0.682776	1	-0.803538	17.0199	9.279	No change
NM_026613	Ccdc34	-0.682671	1	-1.12715	6.06754	2.62439	No change
NR_026990	Gm5577	-0.682272	1	-1.12152	9.06057	3.93513	No change
NM_029409	Mff	-0.68182	1	-0.854838	40.8442	21.4796	No change
NM_010587	Itsn1	-0.681297	1	-1.08447	1.0821	0.482853	No change
NM_027088	Bap1	-0.680081	1	-0.92553	11.3768	5.691	No change
NM_146178	Ccdc106	-0.67884	1	-1.38257	2.7126	0.967244	No change

NR_033484	Gm10046	-0.678509	1	-1.49495	6.61642	2.15827	No change
NM_138596	Med10	-0.677638	1	-0.958209	34.7656	16.99	No change
NM_010047	Dgcr6	-0.677459	1	-0.951734	24.7957	12.1737	No change
NM_001009573	Unc13d	-0.676631	1	-1.74029	0.808136	0.217165	No change
NM_011870	Cib1	-0.676344	1	-0.880684	65.7795	33.9656	No change
NM_008750	Nxn	-0.676165	1	-0.842644	30.018	15.9214	No change
NM_025907	Mettl6	-0.676035	1	-0.931768	18.7677	9.34602	No change
NM_027373	Afap1	-0.675909	1	-1.02166	3.04387	1.42128	No change
NM_177088	Ccdc45	-0.675909	1	-1.02166	7.38587	3.4487	No change
NM_144913	Mepce	-0.675524	1	-0.884246	16.6858	8.59406	No change
NM_022981	Zfp110	-0.67541	1	-0.793825	44.8517	24.6181	No change
NM_172814	Lrp12	-0.674913	1	-1.06884	3.87564	1.74885	No change
NM_025686	Brf2	-0.674427	1	-1.12203	8.96988	3.89322	No change
NM_001081203	Sbno1	-0.67416	1	-0.748458	39.521	22.3906	No change
NM_009746	Bcl7c	-0.673824	1	-1.09651	14.2997	6.32356	No change
NM_001033226	Calr4	-0.67333	1	-2.54911	0.782578	0.0895708	No change
NM_001081358	Lrrc7	-0.67333	1	-2.54911	0.211976	0.0242619	No change
NM_001161837	Ptpr	-0.67333	1	-2.54911	0.438627	0.0502035	No change
NM_009575	Zic3	-0.67333	1	-2.54911	0.310898	0.0355841	No change
NM_183281	2310005G13Rik	-0.67333	1	-2.54911	0.409023	0.0468151	No change
NM_001115009	Synrg	-0.672952	1	-0.902188	11.0253	5.6067	No change
NM_028407	Gcap14	-0.672424	1	-0.805996	22.4985	12.2438	No change
NM_001080926	Lrp8	-0.672267	1	-0.925215	4.99581	2.4993	No change
NM_001080929	Cdr2l	-0.671592	1	-1.47111	1.16783	0.388059	No change
NM_134040	Ddx1	-0.670369	1	-0.775114	81.8306	45.5054	No change
NM_027678	Zranb3	-0.670135	1	-1.0487	4.07689	1.8665	No change
NM_025435	Thoc7	-0.669707	1	-0.890395	53.5917	27.4806	No change
NM_028012	Xrcc4	-0.669628	1	-0.952448	19.0113	9.32772	No change
NM_053011	Lrp1b	-0.668811	1	-1.91857	0.207996	0.048695	No change
NM_001161624	Cdkn1c	-0.66724	1	-1.28207	3.55283	1.3678	No change
NM_001004153	AU018091	-0.667038	1	-2.6935	0.262763	0.020821	No change
NM_001081327	Hs3st2	-0.667038	1	-3.6935	0.399123	0	No change
NM_001163611	Nps	-0.667038	1	-3.6935	1.0535	0	No change
NM_001170918	Olfrc1507	-0.667038	1	-3.6935	0.564491	0	No change
NM_001201390	LOC100502936	-0.667038	1	-3.6935	0.500281	0	No change
NM_009426	Trh	-0.667038	1	-3.6935	0.656052	0	No change
NM_009877	Cdkn2a	-0.667038	1	-3.6935	0.975251	0	No change
NM_009892	Chi3l3	-0.667038	1	-3.6935	0.588699	0	No change
NM_010095	Ebf2	-0.667038	1	-3.6935	0.208661	0	No change
NM_010172	F7	-0.667038	1	-2.6935	0.487363	0.0386181	No change
NM_013731	Sgk2	-0.667038	1	-2.6935	0.356415	0.0282419	No change
NM_021879	Oca2	-0.667038	1	-3.6935	0.290387	0	No change
NM_025631	Bpil1	-0.667038	1	-3.6935	0.523704	0	No change
NM_053256	Pth2	-0.667038	1	-3.6935	1.59228	0	No change
NM_130456	Nphs2	-0.667038	1	-2.6935	0.291508	0.0230988	No change
NM_133190	Cacng8	-0.667038	1	-3.6935	1.16904	0	No change
NM_182959	Slc17a8	-0.667038	1	-3.6935	0.203506	0	No change
NM_207270	Ptprh	-0.667038	1	-3.6935	0.225375	0	No change
NM_213727	Fam123c	-0.667038	1	-3.6935	0.207991	0	No change
NR_002873	Vax2os1	-0.667038	1	-3.6935	0.427766	0	No change
NR_029549	Mir135a-1	-0.667038	1	-2.6935	10.0668	0.797677	No change
NR_030470_5	Mir669a-2	-0.667038	1	-2.6935	9.53693	0.755694	No change
NR_030471	Mir669a-3	-0.667038	1	-2.6935	8.312	0.658633	No change
NR_033647	Mageb16-ps1	-0.667038	1	-2.6935	0.260198	0.0206177	No change
NR_036591	1700028M03Rik	-0.667038	1	-3.6935	1.93591	0	No change
NR_037698	1500009C09Rik	-0.667038	1	-3.6935	0.583768	0	No change
NM_024239	Stambp	-0.666852	1	-1.00814	9.53149	4.49318	No change
NM_026808	Fitm1	-0.666382	1	-2.13407	2.82745	0.551027	No change
NM_008399	Itgae	-0.666355	1	-0.962902	6.99473	3.40614	No change
NM_009229	Sntb2	-0.665949	1	-0.955819	6.33429	3.10018	No change
NM_028048	Slc25a35	-0.665934	1	-1.03379	9.7654	4.51886	No change
NM_009532	Xrcc1	-0.665845	1	-1.10854	5.85356	2.56515	No change
NM_028903	Scara5	-0.665793	1	-0.994812	5.80468	2.76265	No change
NM_178620	Mfsd11	-0.665534	1	-0.916345	11.8961	5.98836	No change
NM_172503	Zswim4	-0.665065	1	-1.03751	4.00718	1.84926	No change
NM_010925	Rrp1	-0.663775	1	-0.754818	132.167	74.5439	No change
NM_001013780	Slc25a34	-0.663434	1	-2.25538	0.779563	0.133839	No change
NM_148942	Serpinc6c	-0.663318	1	-1.19693	6.71739	2.75703	No change
NM_178210	Hist1h4j	-0.663294	1	-0.925018	109.007	54.5335	No change
NM_011634	Traip	-0.662986	1	-1.66375	1.21452	0.346045	No change
NM_001033243	Ccdc114	-0.662139	1	-1.31748	2.5002	0.936531	No change
NM_001039231	Zfp951	-0.661029	1	-1.05934	5.28159	2.3988	No change
NM_001081963	9430020K01Rik	-0.66098	1	-0.811234	14.7545	7.99929	No change
NM_010065	Dnm1	-0.660571	1	-1.24872	1.9707	0.777862	No change
NM_001081243	Filip1	-0.659651	1	-1.06994	3.44572	1.55288	No change
NM_001164682	Mpp4	-0.659559	1	-1.42867	1.5425	0.529645	No change

NM_026940	Ydjc	-0.659559	1	-1.42867	3.48465	1.19652	No change
NM_001166218	Zfp712	-0.658053	1	-1.14353	2.66834	1.13925	No change
NM_001160330	Mocs3	-0.657564	1	-1.13294	6.54666	2.81701	No change
NM_133945	Vrk3	-0.657564	1	-1.13294	6.28509	2.70445	No change
NM_011256	Pitpnm2	-0.657322	1	-0.956535	3.96892	1.94118	No change
NM_030713	Zfp202	-0.657277	1	-1.10854	3.12782	1.37027	No change
NM_153168	Lars2	-0.656892	1	-0.696948	345.987	203.164	No change
NM_012001	Cops4	-0.655858	1	-0.840153	37.9854	20.1784	No change
NM_001145676	2210408I21Rik	-0.655764	1	-0.93323	6.12453	3.04568	No change
NM_176833	Ppm1f	-0.655645	1	-0.944444	5.69354	2.80877	No change
NM_029342	Nhej1	-0.655281	1	-1.28608	6.98415	2.67877	No change
NM_183154	Zfyve1	-0.65499	1	-0.832477	18.5175	9.89005	No change
NM_008788	Pcolce	-0.653465	1	-0.945955	17.7968	8.76979	No change
NM_001081655	Dact3	-0.652285	1	-1.33681	1.99616	0.736187	No change
NM_053168	Trim11	-0.651834	1	-0.905889	15.9068	8.06533	No change
NM_027323	Srrd	-0.650232	1	-1.07879	11.9814	5.36332	No change
NM_011994	Abcd2	-0.649826	1	-1.39204	0.880597	0.311008	No change
NM_011130	Polb	-0.648913	1	-0.794471	85.6536	46.983	No change
NM_009499	Vasp	-0.648858	1	-0.869172	20.8986	10.8755	No change
NM_026543	3010026O09Rik	-0.648188	1	-1.10854	10.2094	4.47119	No change
NM_009011	Rad23b	-0.647932	1	-0.760135	45.8646	25.7702	No change
NM_019746	Pcdcd5	-0.647503	1	-0.883706	64.048	32.9881	No change
NM_011123	Plp1	-0.647367	1	-1.24284	2.8502	1.12923	No change
NM_008187	Gtl3	-0.64713	1	-0.858739	39.2629	20.583	No change
NM_198103	Exoc8	-0.646817	1	-0.863554	6.54871	3.42139	No change
NM_175391	Apol7c	-0.64642	1	-2.3191	0.886505	0.140491	No change
NM_175231	Whsc1	-0.645873	1	-0.811651	11.7801	6.38396	No change
NM_011249	Rbl1	-0.644985	1	-0.933451	5.73757	2.85223	No change
NM_134029	Nt5m	-0.644364	1	-1.05963	10.7795	4.89234	No change
NM_145377	Trim41	-0.644191	1	-0.806584	24.4227	13.2824	No change
NM_001199676	Camkk2	-0.643903	1	-0.960822	4.79068	2.33526	No change
NM_028235	Ttc30b	-0.643773	1	-0.872427	16.7231	8.68195	No change
NM_029756	Sdccag8	-0.64341	1	-1.02988	6.14703	2.85081	No change
NM_153802	Zfp128	-0.643002	1	-1.06721	3.52738	1.59203	No change
NM_001142410	Gm14124	-0.64275	1	-2.40971	0.508033	0.0713628	No change
NM_007419	Adrb1	-0.64275	1	-2.40971	0.615514	0.0864604	No change
NM_080437	Celsr3	-0.64275	1	-2.40971	0.132783	0.0186519	No change
NM_145993	L3mbtl2	-0.641398	1	-0.972445	6.27846	3.0349	No change
NM_010864	Myo5a	-0.641228	1	-0.983558	1.72995	0.829563	No change
NM_001191026	Dync1i1	-0.641001	1	-1.5266	1.33335	0.422611	No change
NM_009421	Traf1	-0.641001	1	-1.5266	1.55872	0.494045	No change
NM_201230	Fgfr1op	-0.640689	1	-0.868055	14.2584	7.42505	No change
NM_178193	Hist1h4b	-0.64014	1	-0.901034	108.56	55.2238	No change
NM_053089	Naa15	-0.639736	1	-0.833558	9.85314	5.2576	No change
NM_025830	Wwp2	-0.639469	1	-0.878638	9.34449	4.82967	No change
NM_181750	R3hdm1	-0.637987	1	-0.847671	10.7031	5.65436	No change
NM_173408	Dcun1d3	-0.637686	1	-0.815553	12.5613	6.78811	No change
NM_001162477	Gab2	-0.637667	1	-0.880965	6.44123	3.32355	No change
NM_025513	Exosc3	-0.637391	1	-0.937324	25.0733	12.428	No change
NM_019460	Sfmbt1	-0.637226	1	-0.813825	9.32983	5.04795	No change
NM_053271	Rims2	-0.63599	1	-0.968331	4.44292	2.15373	No change
NM_001177713	Cyp26b1	-0.635607	1	-1.05791	2.89152	1.31362	No change
NM_009376	Ift88	-0.634874	1	-0.969448	6.83575	3.31092	No change
NM_025471	1810030N24Rik	-0.6339	1	-0.888994	38.0417	19.516	No change
NM_172560	Cntrob	-0.633742	1	-0.970596	5.25785	2.54449	No change
NM_207239	Gtf3c1	-0.633473	1	-0.760247	19.9065	11.183	No change
NM_011048	Pcsk6	-0.631754	1	-1.88615	0.697254	0.167033	No change
NM_025427	1190002H23Rik	-0.631449	1	-1.38865	5.10878	1.80656	No change
NM_001012396	Ptpla	-0.630747	1	-1.30699	6.45014	2.43085	No change
NR_024200	Rnu1b2	-0.629629	1	-0.692483	463.529	273.014	No change
NM_001081068	Ltn1	-0.629407	1	-0.744545	21.3033	12.0997	No change
NM_172662	Gtdc1	-0.628946	1	-0.919397	10.7514	5.39697	No change
NM_025769	Efcab1	-0.628704	1	-1.63338	2.84209	0.827378	No change
NM_148938	Slc1a3	-0.628629	1	-1.29554	1.39187	0.52913	No change
NM_019439	Gabbr1	-0.628163	1	-1.18383	1.81767	0.752157	No change
NM_027530	Rufy3	-0.627982	1	-1.1117	2.62369	1.14551	No change
NM_133932	Tada3	-0.627556	1	-0.906609	16.0192	8.11483	No change
NM_025445	Arfgap3	-0.627461	1	-0.785034	34.0745	18.8115	No change
NM_001199045	Tubd1	-0.627341	1	-1.05234	6.46427	2.94794	No change
NM_001081682	Gnb1l	-0.62732	1	-1.16792	2.40186	1.00576	No change
NR_027010	Gt(ROSA)26Sor	-0.627107	1	-1.129	16.2964	7.02432	No change
NM_025739	Rnf220	-0.625803	1	-0.813571	21.9372	11.87	No change
NM_021567	Pcbp4	-0.625053	1	-1.27442	3.03763	1.1734	No change
NM_207220	Gpr137	-0.625026	1	-0.865825	21.2667	11.0897	No change
NM_007996	Fdx1	-0.625006	1	-0.969201	23.0691	11.173	No change
NM_001113384	Gnao1	-0.624882	1	-1.062	2.11226	0.956416	No change

NM_145396	Tbl3	-0.624823	1	-0.855772	16.9037	8.87753	No change
NM_178071	Nme7	-0.624399	1	-1.06406	5.26647	2.38098	No change
NM_001012401	Hspb6	-0.623443	1	-1.06835	9.25733	4.172	No change
NM_001081106	Cytl1	-0.622035	1	-2.0956	2.57592	0.515952	No change
NM_010816	Morc1	-0.622035	1	-2.0956	0.822605	0.164766	No change
NM_001081292	Map3k10	-0.62154	1	-0.98409	4.87284	2.33467	No change
NM_001159941	Kctd10	-0.620952	1	-0.853087	13.5652	7.13739	No change
NM_001164497	Papd5	-0.618108	1	-0.820029	11.8767	6.3966	No change
NM_001025365	Miip	-0.618039	1	-0.874604	19.105	9.89947	No change
NM_177644	Rasal2	-0.617484	1	-0.794997	7.01369	3.84467	No change
NM_028812	Gtf2e1	-0.616913	1	-0.908513	8.86545	4.484	No change
NM_177278	L3mbtl4	-0.616485	1	-1.20135	1.61651	0.659786	No change
NM_029231	Pelp1	-0.615585	1	-0.94984	6.07787	2.98433	No change
NM_008090	Gata2	-0.615183	1	-1.13821	2.79373	1.19541	No change
NM_007696	Ovgp1	-0.615038	1	-1.17155	3.20173	1.33631	No change
NM_001113351	Synj2	-0.61454	1	-0.896612	7.22767	3.68666	No change
NM_011258	Rfc1	-0.614332	1	-0.746594	26.4449	14.997	No change
NM_025892	1500031L02Rik	-0.613285	1	-0.896714	16.7984	8.56765	No change
NM_207302	Zranb1	-0.613131	1	-0.813775	26.0816	14.1084	No change
NM_001195049	Pak3	-0.613107	1	-1.06672	1.367	0.616589	No change
NM_001159948	Als2	-0.612821	1	-0.840631	6.49883	3.44932	No change
NM_017378	Pcdh12	-0.611775	1	-1.38495	0.798344	0.282692	No change
NM_001004155	9930012K11Rik	-0.611162	1	-1.53	1.71951	0.542228	No change
NM_016866	Stk39	-0.610632	1	-0.707002	71.41	41.633	No change
NM_019921	Akap10	-0.610571	1	-0.788723	18.1296	9.98133	No change
NM_001042707	Ilf3	-0.610485	1	-0.829397	13.7021	7.33032	No change
NM_001085515	Al464131	-0.610143	1	-1.01673	3.45709	1.61715	No change
NM_001085508	Tmem8b	-0.60857	1	-0.925916	4.81748	2.40607	No change
NM_001081078	Lct	-0.608375	1	-2.20807	0.327781	0.0582152	No change
NM_183014	Zfp184	-0.607976	1	-1.02079	5.18249	2.41694	No change
NM_133798	Exd2	-0.607848	1	-0.865722	10.2767	5.35786	No change
NM_145705	Tinf2	-0.60772	1	-0.905615	14.917	7.55912	No change
NM_001081373	Cep164	-0.607239	1	-0.768565	15.3914	8.59451	No change
NM_028771	Ccdc97	-0.606963	1	-0.920702	7.86555	3.94297	No change
NM_001080967	Tmsb15b2	-0.606807	1	-1.04997	30.4366	13.895	No change
NR_028142	Pnpla2	-0.606659	1	-0.88966	10.5168	5.39027	No change
NM_001177438	Aldh3b2	-0.605456	1	-1.05399	5.54705	2.52481	No change
NM_030016	Ccdc76	-0.605342	1	-0.990168	5.05213	2.40894	No change
NM_019570	Rev1	-0.604565	1	-0.792835	14.6679	8.05164	No change
NM_175091	Tnks	-0.604114	1	-0.724374	23.231	13.38	No change
NM_007589	Calm2	-0.603453	1	-0.683501	273.957	162.356	No change
NM_001033219	Slc45a4	-0.602995	1	-0.870447	6.84618	3.55707	No change
NM_026282	Spc24	-0.602974	1	-1.44557	2.84145	0.957923	No change
NM_145630	Pdk3	-0.602796	1	-0.811556	25.5773	13.8557	No change
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NM_027603	4921511H03Rik	-0.601576	1	-0.850723	34.7798	18.3252	No change
NM_033398	Jmjd6	-0.601449	1	-0.815658	29.1641	15.7527	No change
NM_153808	Smc5	-0.601129	1	-0.712378	50.9396	29.5857	No change
NM_010813	Mnt	-0.600755	1	-0.882656	6.26112	3.2248	No change
NM_029985	Lrrc42	-0.600534	1	-0.996118	8.6124	4.08832	No change
NM_026447	Ppm1m	-0.599901	1	-0.970679	9.47546	4.58155	No change
NM_009088	Polr1a	-0.599727	1	-0.870097	5.08724	2.64369	No change
NM_008910	Ppm1a	-0.599121	1	-0.743169	37.6327	21.3906	No change
NM_025831	1300014I06Rik	-0.597461	1	-1.30761	2.75496	1.03545	No change
NM_016714	Nup50	-0.597157	1	-0.776916	14.3524	7.9667	No change
NM_019927	Arih1	-0.596614	1	-0.707889	26.9999	15.7304	No change
NM_011652	Ttn	-0.596484	1	-0.69771	2.05774	1.20741	No change
NM_144514	Commd1	-0.595637	1	-0.847226	43.5368	22.9942	No change
NM_001166581	BC005561	-0.595503	1	-0.783607	12.0392	6.65116	No change
NM_001164089	Cops7a	-0.595356	1	-0.795071	42.0479	23.0427	No change
NM_026545	Psmd8	-0.594457	1	-0.709505	107.464	62.5383	No change
NM_026944	Alkbh3	-0.594319	1	-0.866605	24.8539	12.9469	No change
NM_001099310	Gm8787	-0.593736	1	-1.85298	2.10583	0.516482	No change
NM_198620	Rundc3b	-0.592621	1	-1.2718	1.51713	0.586049	No change
NM_001033273	5031439G07Rik	-0.592258	1	-0.803683	9.87501	5.37862	No change
NM_021313	Rnf25	-0.592041	1	-0.809377	31.9406	17.3272	No change
NM_001146275	Iigp1	-0.591559	1	-0.903219	7.56513	3.83897	No change
NM_011103	Prkcd	-0.590606	1	-0.720408	46.1857	26.6726	No change
NM_001163528	Itprip1	-0.589412	1	-0.957698	4.90013	2.39099	No change
NM_001102650	Nt5c3l	-0.589216	1	-0.837419	26.0353	13.8454	No change
NM_028379	Zdhhc4	-0.588755	1	-0.790948	40.6019	22.3134	No change
NM_001166250	Mgll	-0.58843	1	-1.14667	6.59883	2.80247	No change
NM_001025388_2	Gm5506	-0.587789	1	-0.684492	129.418	76.6395	No change
NM_153391	Wdr19	-0.587762	1	-0.941007	4.22621	2.08704	No change
NM_019978	Dclk1	-0.587282	1	-1.36258	0.559248	0.201172	No change
NM_010154	Erbp4	-0.587276	1	-2.12318	0.523884	0.101185	No change

NM_013633	Pou5f1	-0.587276	1	-2.12318	1.65689	0.320019	No change
NM_001081392	Mdn1	-0.586819	1	-0.7111	7.75746	4.50917	No change
NM_001159349	Fytd1	-0.586102	1	-0.693636	43.0652	25.34	No change
NM_019750	Nat6	-0.585132	1	-0.854296	15.592	8.19236	No change
NM_018770	Cadm1	-0.584961	1	-0.797123	11.3007	6.18319	No change
NM_173755	Ube2o	-0.583998	1	-0.851531	6.06726	3.19409	No change
NM_011588	Trim28	-0.583258	1	-0.722776	34.2231	19.7303	No change
NM_001166063	Ccdc152	-0.582564	1	-2.26466	2.18336	0.359854	No change
NM_030558	Car15	-0.582564	1	-2.26466	1.57676	0.259877	No change
NM_001039354	Lin7a	-0.582523	1	-0.81949	6.74791	3.63406	No change
NM_019713	Rassf1	-0.581846	1	-0.827685	22.4149	12.0014	No change
NM_172625	Ino80c	-0.581732	1	-0.795633	20.4944	11.2249	No change
NM_026893	Dcaf12	-0.581702	1	-0.727447	29.4793	16.9397	No change
NM_030243	Rbm43	-0.581153	1	-0.87477	13.5028	6.99143	No change
NM_010643	Klk1b24	-0.580411	1	-2.47111	1.3988	0.169518	No change
NR_024324	E130201H02Rik	-0.580411	1	-2.47111	1.39222	0.168721	No change
NM_133925	Rbm28	-0.579828	1	-0.767927	14.801	8.26642	No change
NM_011274	C80913	-0.579786	1	-0.735263	25.991	14.8533	No change
NM_020586	Herpud2	-0.579725	1	-0.808143	15.5184	8.42445	No change
NM_021886	Cenph	-0.579337	1	-1.47111	2.81247	0.927083	No change
NM_001008785	Kbtbd8	-0.579225	1	-0.88211	5.27887	2.71889	No change
NM_023742	Dtx2	-0.57878	1	-1.02875	4.59723	2.12963	No change
NM_001081024	Setdb2	-0.57819	1	-0.945524	5.67375	2.79213	No change
NM_026921	Isca1	-0.576501	1	-0.725681	50.6957	29.1663	No change
NM_007931	Endog	-0.576424	1	-0.978794	14.0466	6.74779	No change
NM_027141	Spsb3	-0.575155	1	-0.776071	33.4133	18.5537	No change
NM_198654	Nsl1	-0.574265	1	-1.41958	1.26587	0.434658	No change
NM_001195617	Dcdc2a	-0.573182	1	-1.25388	2.34987	0.919219	No change
NM_173400	Haus6	-0.572877	1	-0.886145	6.28085	3.22525	No change
NM_177391	Fam109b	-0.572495	1	-1.53384	1.1679	0.366147	No change
NM_172806	Btdb7	-0.572314	1	-0.729555	20.3123	11.6539	No change
NM_009055	Rfx1	-0.572262	1	-0.997791	3.12382	1.47987	No change
NM_001005426	Zcwpw1	-0.572075	1	-1.16625	3.17357	1.32706	No change
NR_033540	F630042J09Rik	-0.571699	1	-2.00162	0.83702	0.18152	No change
NM_133771	Memo1	-0.571635	1	-0.803413	27.5238	14.9904	No change
NM_008136	Gn11	-0.571431	1	-0.860415	9.85454	5.15409	No change
NM_199035	Alg8	-0.571295	1	-1.18571	3.30876	1.36335	No change
NM_010212	Fhl2	-0.571174	1	-1.19281	4.1468	1.69947	No change
NR_002889_2	Gm5801	-0.57082	1	-0.9005	17.7017	8.99651	No change
NM_134135	Slc39a3	-0.570231	1	-0.870291	7.26723	3.77411	No change
NR_037603	Kat5	-0.570037	1	-0.775114	27.663	15.3702	No change
NM_009837	Cct4	-0.569648	1	-0.738368	38.7459	22.0923	No change
NM_023764	Tollip	-0.569303	1	-0.675172	51.1082	30.4603	No change
NM_024258	Usp16	-0.569289	1	-0.775619	17.668	9.81315	No change
NM_133916	Eif3b	-0.568948	1	-0.733141	27.0689	15.491	No change
NM_139200	Cytip	-0.568408	1	-1.09002	1.55548	0.688492	No change
NR_028341	Taf1b	-0.56779	1	-1.00296	6.49403	3.06448	No change
NM_011055	Pde3b	-0.56733	1	-0.769373	10.152	5.66342	No change
NM_001039520	Dnm2	-0.567055	1	-0.752692	18.1486	10.2441	No change
NM_001163566	Crb2	-0.566938	1	-2.34558	0.229685	0.0337999	No change
NM_139299	Il31ra	-0.566938	1	-2.34558	0.399114	0.0587327	No change
NM_197993	Tut1	-0.566624	1	-0.835296	11.2776	6.00434	No change
NM_181594	Edc4	-0.566613	1	-0.798539	8.85418	4.83862	No change
NM_001080930	Atxn1l	-0.566353	1	-0.724819	11.4179	6.57241	No change
NM_001035854	Ap2b1	-0.564727	1	-0.654407	48.4204	29.2791	No change
NM_001039159	Ube2j2	-0.564258	1	-0.873508	7.40025	3.83393	No change
NM_001173506	Mtap1a	-0.562969	1	-1.03102	0.942205	0.435512	No change
NM_001083331	Nup88	-0.56272	1	-0.693299	51.0892	30.0643	No change
NM_001167829	Fam45a	-0.561798	1	-0.776521	20.4381	11.3435	No change
NM_172281	Rnf40	-0.561467	1	-0.738507	16.6431	9.48802	No change
NM_181452	Fam89b	-0.561123	1	-0.841219	23.576	12.4983	No change
NM_029759	Fam54b	-0.561003	1	-0.689606	70.6094	41.6584	No change
NM_134071	Ankrd32	-0.560985	1	-0.765086	14.0243	7.84674	No change
NM_001190733	Dcun1d4	-0.560982	1	-0.815062	8.56	4.62304	No change
NM_023119	Eno1	-0.559178	1	-0.68988	70.2423	41.4334	No change
NM_139143	Slc39a6	-0.558537	1	-0.713599	23.0155	13.3522	No change
NM_027310	Meaf6	-0.558265	1	-1.01488	12.968	6.06453	No change
NM_178741	Klhl8	-0.557812	1	-0.877156	7.02879	3.63154	No change
NM_011670	Uchl1	-0.557017	1	-1.01654	9.78253	4.56909	No change
NM_001081341	Scaper	-0.556228	1	-0.680572	26.1199	15.5076	No change
NR_002702	Npm3-ps1	-0.556109	1	-0.848475	26.6473	14.0524	No change
NM_023732	Abcb6	-0.554777	1	-0.827252	10.2413	5.48284	No change
NM_177645	1110028C15Rik	-0.55127	1	-0.721488	16.0529	9.26085	No change
NM_001081231	Lhfpl3	-0.551175	1	-2.15916	0.654613	0.120414	No change
NM_020506	Xpo4	-0.55075	1	-0.769821	13.1884	7.35359	No change
NM_001081252	Uggt2	-0.550498	1	-0.787292	6.02351	3.31733	No change

NM_027829	Izumo4	-0.549921	1	-0.922982	17.609	8.80167	No change
NM_027248	Zfp219	-0.548172	1	-0.781002	13.782	7.62382	No change
NM_001097979	Hist1h2bq	-0.547584	1	-0.745833	26.024	14.7576	No change
NM_001110555	Hist1h2br	-0.547584	1	-0.745833	26.024	14.7576	No change
NM_033570	Cnm4	-0.547405	1	-0.91614	3.68086	1.84883	No change
NM_001163160	Pcyt1a	-0.547279	1	-0.726389	13.7531	7.90656	No change
NM_011790	Arih2	-0.547266	1	-0.690363	26.5057	15.6282	No change
NM_133750	Fam118a	-0.546924	1	-0.771023	17.1152	9.53452	No change
NM_170755	Fam134a	-0.546715	1	-0.717586	28.7821	16.6492	No change
NM_022328	Milt1	-0.546146	1	-0.798853	9.57819	5.23165	No change
NM_001122780	Kihl25	-0.54523	1	-0.779589	11.8358	6.55353	No change
NM_178728	Napepld	-0.545145	1	-0.843076	6.86873	3.63548	No change
NM_010564	Inha	-0.544538	1	-0.897116	12.5285	6.37924	No change
NM_001039180	Bicd2	-0.540921	1	-0.790204	7.81546	4.29478	No change
NM_009058	Ralgds	-0.538558	1	-0.698961	22.1159	12.9607	No change
NM_026865	1700113I22Rik	-0.538025	1	-0.934819	10.0175	4.96296	No change
NM_010846	Mx1	-0.537037	1	-1.31678	1.52375	0.566094	No change
NM_001001446	Cyp2c44	-0.536955	1	-3.58658	0.425822	0	No change
NM_001004194	Nlrp4e	-0.536955	1	-3.58658	0.247284	0	No change
NM_001012305	Slc39a12	-0.536955	1	-3.58658	0.312524	0	No change
NM_001034869	Gm4981	-0.536955	1	-3.58658	0.461288	0	No change
NM_001081310	Fam23a	-0.536955	1	-3.58658	0.228626	0	No change
NM_001081406	Lrr1	-0.536955	1	-2.58658	0.557172	0.0478288	No change
NM_001081653	Cntnap5c	-0.536955	1	-3.58658	0.213455	0	No change
NM_001085524	Gm5634	-0.536955	1	-3.58658	0.993249	0	No change
NM_001100446	Gm4297	-0.536955	1	-3.58658	0.324279	0	No change
NM_001110240	Slc24a2	-0.536955	1	-3.58658	0.0796339	0	No change
NM_001122660	Gm10639	-0.536955	1	-3.58658	0.956882	0	No change
NM_001145863	Gm14139	-0.536955	1	-2.58658	0.483979	0.0415457	No change
NM_001159297	Gcet2	-0.536955	1	-3.58658	0.248607	0	No change
NM_001195074	Kcnmb3	-0.536955	1	-2.58658	1.16155	0.0997097	No change
NM_009243	Serpina1a	-0.536955	1	-3.58658	0.5361	0	No change
NM_009699	Aqp2	-0.536955	1	-2.58658	0.590618	0.0506998	No change
NM_010253	Gal	-0.536955	1	-3.58658	1.19645	0	No change
NM_016689	Aqp3	-0.536955	1	-3.58658	0.474371	0	No change
NM_020015	Magea1	-0.536955	1	-3.58658	0.657481	0	No change
NM_023898	Pde6h	-0.536955	1	-3.58658	1.49877	0	No change
NM_024449	Sost	-0.536955	1	-3.58658	0.404799	0	No change
NM_028325	Zcchc12	-0.536955	1	-2.58658	0.382054	0.0327962	No change
NM_173024	Serpina3b	-0.536955	1	-3.58658	0.404017	0	No change
NM_173421	BC030476	-0.536955	1	-2.58658	0.351985	0.0302151	No change
NR_033549	Gm11190	-0.536955	1	-3.58658	0.244966	0	No change
NR_035408_10	Mir669a-1	-0.536955	1	-2.58658	8.62181	0.740113	No change
NR_037250_10	Mir669a-4	-0.536955	1	-2.58658	9.61282	0.825184	No change
NR_037251_10	Mir669a-5	-0.536955	1	-2.58658	9.61282	0.825184	No change
NR_037253_10	Mir669a-6	-0.536955	1	-2.58658	9.61282	0.825184	No change
NR_037255_10	Mir669a-7	-0.536955	1	-2.58658	9.61282	0.825184	No change
NR_037259_10	Mir669a-8	-0.536955	1	-2.58658	9.61282	0.825184	No change
NR_037260_10	Mir669a-9	-0.536955	1	-2.58658	9.61282	0.825184	No change
NR_037264_10	Mir669a-10	-0.536955	1	-2.58658	9.61282	0.825184	No change
NR_037266_10	Mir669a-11	-0.536955	1	-2.58658	9.61282	0.825184	No change
NR_037268_10	Mir669a-12	-0.536955	1	-2.58658	9.61282	0.825184	No change
NM_023229	Fastk	-0.536771	1	-0.758351	24.0895	13.5388	No change
NM_133840	Clp1	-0.536687	1	-0.791555	18.5086	10.1606	No change
NM_146159	Haus3	-0.536217	1	-0.891726	9.21619	4.71002	No change
NM_172679	4932438A13Rik	-0.535591	1	-0.630864	14.4581	8.8863	No change
NM_001195229	Nek10	-0.535538	1	-2.07879	0.645305	0.128658	No change
NM_007837	Ddit3	-0.534885	1	-0.831697	29.0454	15.4956	No change
NR_037920	Zfa	-0.534287	1	-0.957306	3.79032	1.84725	No change
NR_027872	4930515G01Rik	-0.534054	1	-1.27317	3.73256	1.43467	No change
NM_172877	Pramef8	-0.529718	1	-0.777621	9.1739	5.08566	No change
NM_028872	5730559C18Rik	-0.529666	1	-0.959726	4.19837	2.04225	No change
NM_144792	Sgms1	-0.529341	1	-0.632142	54.6801	33.5768	No change
NM_001042528	Cacna1b	-0.529117	1	-2.01543	0.339284	0.0719554	No change
NM_013648	Rtn2	-0.529117	1	-2.01543	1.21703	0.258108	No change
NM_144926	Sez6l2	-0.529117	1	-2.01543	0.72508	0.153775	No change
NM_172684	Rsbm1	-0.529025	1	-0.699318	10.93	6.40324	No change
NM_031396	Cnm1	-0.528348	1	-1.96415	0.511635	0.113954	No change
NM_026577	Arl13b	-0.528092	1	-0.743187	13.2701	7.53764	No change
NM_001013375	Utp18	-0.527133	1	-0.740051	18.2434	10.3854	No change
NM_153053	Sf3b4	-0.526725	1	-0.857194	12.1152	6.3457	No change
NM_175123	1110051M20Rik	-0.526331	1	-0.785382	16.5164	9.10537	No change
NM_029865	Ocel1	-0.526042	1	-1.06835	4.93588	2.21631	No change
NM_172414	Fam164c	-0.525655	1	-0.772829	7.9769	4.43688	No change
NR_037999	4930558J18Rik	-0.523124	1	-0.930089	6.75872	3.35864	No change
NM_080288	Elmo1	-0.522875	1	-0.940012	2.37476	1.17162	No change

NM_001198790	Ak1	-0.522459	1	-0.724279	25.3034	14.5648	No change
NM_001100596_2	Gm2002	-0.522	1	-0.921421	5.35699	2.67877	No change
NM_010550_2	Il1ra2	-0.522	1	-0.921421	5.35699	2.67877	No change
NM_025884	Zfp830	-0.521813	1	-0.848426	6.3995	3.37273	No change
NM_019758	Mtch2	-0.521375	1	-0.707392	25.5157	14.8625	No change
NM_001177364	Heatr7b1	-0.521313	1	-0.660077	14.5109	8.73778	No change
NM_028341	Ttc39c	-0.521222	1	-0.951734	5.23062	2.55859	No change
NM_028334	Nup37	-0.520659	1	-1.14601	4.8623	2.05912	No change
NM_027695	Oxsm	-0.519456	1	-0.84419	5.64676	2.98491	No change
NR_027827	A030009H04Rik	-0.518288	1	-1.15916	3.36908	1.41241	No change
NM_009949	Cpt2	-0.517575	1	-0.745789	17.6753	10.0202	No change
NM_001190453	Dctn2	-0.517301	1	-0.687994	37.853	22.3507	No change
NM_001024508	Brd9	-0.516228	1	-0.836314	9.03373	4.80197	No change
NM_029291	Ascc2	-0.515504	1	-0.922857	5.29923	2.64667	No change
NM_001042653	Oip5	-0.51509	1	-1.36614	2.32757	0.829953	No change
NM_001081400	1810013L24Rik	-0.514883	1	-0.664056	23.2139	13.9388	No change
NR_027926	4930507D05Rik	-0.514623	1	-1.78427	1.27061	0.327215	No change
NM_001002764	Smg6	-0.514293	1	-0.68951	11.922	7.03178	No change
NM_001100606	Adat3	-0.514126	1	-1.18993	3.85262	1.57726	No change
NM_178399	3110035E14Rik	-0.513259	1	-1.19874	1.66196	0.675786	No change
NM_008566	Mcm5	-0.513222	1	-1.09914	2.05698	0.902107	No change
NM_145513	Tipr1	-0.512654	1	-0.714731	11.9247	6.90957	No change
NM_024255	Hsd12	-0.512588	1	-0.715363	19.9009	11.5261	No change
NM_134097	Topors	-0.512459	1	-0.654284	27.1371	16.4062	No change
NM_023190	Acin1	-0.512118	1	-0.624124	34.9421	21.5752	No change
NM_025429	Serp1b1a	-0.510817	1	-1.27846	2.25285	0.860893	No change
NM_019933	Ptpn4	-0.509919	1	-0.672805	16.8975	10.0837	No change
NM_027745	Ccdc57	-0.509761	1	-0.752879	10.8137	6.09906	No change
NM_011045	Pcna	-0.509324	1	-0.718268	38.9395	22.5059	No change
NM_178374	Snupn	-0.509146	1	-0.945039	9.06321	4.4534	No change
NM_030014	Hook1	-0.508914	1	-0.627665	34.756	21.4069	No change
NM_133872	Kdm1a	-0.50887	1	-0.659276	30.7897	18.549	No change
NM_008625	Mrc1	-0.508572	1	-0.812564	4.49505	2.42993	No change
NM_011807	Dlg2	-0.508312	1	-1.11356	0.912966	0.395979	No change
NM_177700	Atmin	-0.508258	1	-0.70493	11.3035	6.5947	No change
NM_144802	Hnrp11	-0.5082	1	-0.678139	23.4845	13.9619	No change
NM_027295	Rab28	-0.508197	1	-0.722187	28.6269	16.4996	No change
NM_027961	Wfdc3	-0.506561	1	-0.892748	18.5281	9.4554	No change
NM_207650	Dtna	-0.505889	1	-0.989981	1.57666	0.749597	No change
NM_001079824	Hnrp3	-0.505697	1	-0.723121	20.9272	12.0535	No change
NM_001122736	Igf2	-0.505048	1	-1.1243	1.71361	0.737113	No change
NM_170591	Nupl1	-0.504134	1	-0.658544	36.7678	22.161	No change
NM_013813	Epb4.113	-0.504062	1	-0.739304	9.63124	5.48416	No change
NM_175451	Ckap4	-0.503333	1	-0.72169	15.4209	8.89075	No change
NM_009147	Sec23a	-0.502881	1	-0.625542	33.5741	20.7089	No change
NM_019939	Mpp6	-0.501441	1	-0.735678	17.9987	10.2747	No change
NM_146193	Btbd1	-0.500928	1	-0.608668	59.2193	36.96	No change
NM_011972	Poli	-0.500277	1	-0.807017	9.43466	5.11966	No change
NM_177586	Eif5a2	-0.499947	1	-0.812589	4.52334	2.4448	No change
NM_001042557	Map2k7	-0.499617	1	-0.886145	8.81829	4.52095	No change
NM_025670	5730403B10Rik	-0.499572	1	-0.61875	37.3853	23.1691	No change
NM_026549	Pdcd2l	-0.498443	1	-0.867998	12.8196	6.65871	No change
NM_133762	Ncapg2	-0.498009	1	-0.9005	2.12118	1.07621	No change
NR_033224	D330050L16Rik	-0.497591	1	-1.04661	4.5417	2.0701	No change
NM_178281	Trim39	-0.497332	1	-0.695356	17.6389	10.3594	No change
NR_033512	Gm6194	-0.49688	1	-0.917509	7.53107	3.77406	No change
NM_029036	S100pbp	-0.496368	1	-0.755441	20.8718	11.7485	No change
NM_033583	Pcdhgc5	-0.496154	1	-0.730553	8.3063	4.75861	No change
NM_146042	Rnf144b	-0.494323	1	-0.744673	7.52367	4.2673	No change
NM_001160319	Ubr4	-0.49345	1	-0.594113	12.7557	8.04211	No change
NM_001029982	Sec23ip	-0.493191	1	-0.648439	18.9421	11.4972	No change
NM_172256	Dync2li1	-0.492728	1	-1.17988	3.93894	1.62301	No change
NM_026456	Tceb1	-0.492609	1	-0.685978	59.2572	35.031	No change
NM_026824	Dus1l	-0.492203	1	-0.702388	25.2267	14.7418	No change
NM_001033168	1700066B19Rik	-0.491674	1	-2.10854	0.751481	0.143353	No change
NM_013724	Nrk	-0.491674	1	-2.10854	0.285021	0.0543706	No change
NM_025639	Cenpm	-0.491674	1	-2.10854	1.56288	0.298135	No change
NM_177473	Tmem191c	-0.491011	1	-0.966316	7.27618	3.51817	No change
NM_022423	Rnf187	-0.489752	1	-0.640826	47.085	28.7312	No change
NM_011432	Snrpc	-0.488528	1	-0.901252	17.5149	8.87941	No change
NM_021334	Ilgax	-0.488524	1	-1.65873	0.692601	0.196199	No change
NM_147151	Ehmt2	-0.488028	1	-0.654475	20.1674	12.1888	No change
NM_007740	Col9a1	-0.487025	1	-2.27846	0.358503	0.0553943	No change
NM_008685	Nfe2	-0.487025	1	-2.27846	0.835647	0.12912	No change
NM_001037166	Gm4925	-0.486897	1	-1.2301	2.90201	1.14976	No change
NM_001033192	C78339	-0.486744	1	-0.861271	11.5566	6.03023	No change

NM_199316	4922501C03Rik	-0.485278	1	-0.670054	11.6352	6.95539	No change
NM_016749	Mybph	-0.485001	1	-1.26947	2.24816	0.863533	No change
NM_029669	Dnajc18	-0.483943	1	-0.65048	14.5806	8.83667	No change
NM_024176	Drap1	-0.483587	1	-0.644466	87.9531	53.5297	No change
NM_001190444	Aamp	-0.483235	1	-0.569784	149.112	95.6161	No change
NM_001136259	Tom1	-0.482875	1	-0.775846	10.7584	5.96736	No change
NM_172392	Zfp759	-0.482631	1	-0.765555	7.78591	4.35034	No change
NM_007713	Clk3	-0.482569	1	-0.660506	26.547	15.9759	No change
NM_001162947	Nek3	-0.481919	1	-2.03299	1.05118	0.216564	No change
NM_009118	Sag	-0.481919	1	-2.03299	1.21699	0.250725	No change
NM_018757	Nme6	-0.481279	1	-0.831697	17.6102	9.38536	No change
NR_028384	4930528A17Rik	-0.481045	1	-0.931093	5.32057	2.63888	No change
NM_001033630	2310061I04Rik	-0.480986	1	-0.849925	13.2079	6.94751	No change
NM_011858	Odz4	-0.480722	1	-0.78661	2.19572	1.20856	No change
NM_025923	Fancl	-0.480612	1	-0.956535	5.73249	2.79075	No change
NM_001032727	Sybu	-0.480371	1	-1.97361	0.787087	0.171984	No change
NR_015533	A230057D06Rik	-0.480371	1	-1.97361	1.14764	0.250767	No change
NR_033592	4933417G07Rik	-0.480371	1	-1.97361	2.3932	0.522931	No change
NR_033803	6030408B16Rik	-0.480371	1	-1.97361	1.16923	0.255484	No change
NM_009507	Vhl	-0.479646	1	-0.674972	20.2186	12.0441	No change
NM_145564	Fbxo21	-0.479582	1	-0.722055	9.30665	5.36274	No change
NM_025430	Mrpl35	-0.479406	1	-0.748336	8.07269	4.56587	No change
NM_020560	Mrps31	-0.479323	1	-0.879056	9.16535	4.72063	No change
NM_010127	Pou6f1	-0.479003	1	-0.660378	13.9234	8.37954	No change
NM_144550	Spice1	-0.478857	1	-0.886145	3.12992	1.60381	No change
NM_026295	Ctdp1	-0.478556	1	-0.72146	9.83455	5.66925	No change
NM_029663	Eef1d	-0.477326	1	-0.567178	88.3218	56.7368	No change
NM_028162	Tbc1d5	-0.476589	1	-0.667233	10.2931	6.16484	No change
NM_144835	Heat1	-0.475588	1	-0.737345	4.62837	2.63813	No change
NM_001039223	Gm14137	-0.475529	1	-1.08318	2.11328	0.936302	No change
NM_029721	Snx27	-0.475426	1	-0.650356	10.9219	6.61943	No change
NM_009780	C4b	-0.473754	1	-0.641287	13.7499	8.38648	No change
NM_023168	Grina	-0.473074	1	-0.602294	72.6568	45.5425	No change
NM_133895	Slc15a4	-0.472713	1	-0.817558	6.85082	3.68771	No change
NM_001163505	Ati3	-0.47264	1	-0.577234	28.749	18.3386	No change
NM_178186	Hist1h2ag	-0.472264	1	-0.99577	17.9758	8.49957	No change
NM_145122	Pex16	-0.471936	1	-1.04908	4.8623	2.20971	No change
NM_007637	Cct5	-0.471605	1	-0.555207	163.457	105.881	No change
NM_178086	Fa2h	-0.469447	1	-0.799268	8.08237	4.40771	No change
NM_026622	3110057O12Rik	-0.468645	1	-0.961809	3.80347	1.84375	No change
NM_001109910	Srrt	-0.468416	1	-0.60929	34.6717	21.6261	No change
NM_001145351	6430550D23Rik	-0.468062	1	-1.17791	2.60465	1.07322	No change
NM_030715	Polh	-0.465789	1	-0.770668	9.04928	5.0365	No change
NM_010345	Grb10	-0.465624	1	-0.741249	5.5601	3.15999	No change
NM_025646	Crls1	-0.46507	1	-0.757315	15.8711	8.91757	No change
NM_008567	Mcm6	-0.464039	1	-0.785345	7.2792	4.00901	No change
NM_021454	Cdc42ep5	-0.462736	1	-1.20807	5.16244	2.07729	No change
NM_011862	Pacsin2	-0.462206	1	-0.664032	13.7817	8.27174	No change
NM_018878	Paxip1	-0.461267	1	-0.718646	6.37082	3.67904	No change
NM_028141	Zfp661	-0.460709	1	-0.894509	4.01043	2.04156	No change
NM_175094	Pdhx	-0.46042	1	-0.680309	17.2507	10.2355	No change
NM_001162387	Pex11b	-0.459267	1	-0.736297	13.8419	7.89381	No change
NM_010807	Marcks1	-0.458706	1	-0.689702	24.7255	14.5734	No change
NM_010145	Ephx1	-0.458117	1	-0.640331	37.5881	22.9386	No change
NM_027355	Rnf168	-0.458	1	-0.676507	9.86471	5.86869	No change
NM_019586	Ube2j1	-0.456952	1	-0.589505	33.0062	20.8728	No change
NM_001005866	Kdm2b	-0.45603	1	-0.6935	7.49297	4.40444	No change
NM_029078	Pcf11	-0.455792	1	-0.551997	37.5362	24.3674	No change
NM_013785	Ip6k1	-0.454797	1	-0.573275	32.793	20.9743	No change
NM_001042672	Gpcpd1	-0.454366	1	-0.698449	10.4786	6.13779	No change
NM_199143	Znrf2	-0.45436	1	-0.681833	15.5941	9.24206	No change
NM_001159367	Per1	-0.453645	1	-0.760614	4.93627	2.76654	No change
NM_026355	Ergic2	-0.453238	1	-0.626519	47.1944	29.0805	No change
NM_011630	Nr2c2	-0.453118	1	-0.578803	16.9019	10.7686	No change
NM_028451	Larp1	-0.452802	1	-0.554727	29.3627	19.0249	No change
NM_146202	Zfp768	-0.452743	1	-0.769952	9.58394	5.3356	No change
NM_001081324	Neto2	-0.452708	1	-0.969286	1.53063	0.737491	No change
NM_026879	Chmp2b	-0.452209	1	-0.641033	31.6993	19.3343	No change
NM_011234	Rad51	-0.451585	1	-1.54326	1.30389	0.402943	No change
NM_053173	Kifc5b	-0.451365	1	-1.33093	1.27341	0.464578	No change
NM_001163531	Tmem175	-0.450795	1	-0.677088	13.8539	8.23791	No change
NM_016859	Bysl	-0.450546	1	-0.705033	8.49914	4.95496	No change
NM_001033222	Pdzd8	-0.45007	1	-0.543679	32.4137	21.1639	No change
NR_003634	Rps4y2	-0.449667	1	-0.6935	37.7719	22.201	No change
NM_178111	Trp53inp2	-0.448746	1	-0.682475	9.79669	5.80313	No change
NM_028431	Pmpcb	-0.448548	1	-0.728986	17.0302	9.76105	No change

NM_021536	Rhot1	-0.447671	1	-0.681787	9.28228	5.50102	No change
NM_001110214	Dclre1c	-0.447591	1	-1.01543	1.95313	0.909236	No change
NM_001136062	Eno3	-0.447376	1	-0.833196	10.3087	5.48403	No change
NM_001163553	Ap4b1	-0.447179	1	-0.686048	13.0705	7.72274	No change
NR_028277	Gm6644	-0.446729	1	-0.652702	36.3414	21.9833	No change
NM_025755	Pacrgl	-0.446682	1	-0.915489	7.04546	3.5307	No change
NM_023595	Dut	-0.446201	1	-0.927368	4.16739	2.07031	No change
NM_001163818	Ppp1r10	-0.44609	1	-0.627939	14.7998	9.10984	No change
NM_013846	Ror2	-0.445929	1	-2.14918	0.403763	0.0723335	No change
NM_027644	Prss41	-0.445929	1	-2.14918	1.44149	0.258241	No change
NR_027477	Chpt1	-0.445864	1	-0.613127	47.3141	29.4278	No change
NM_147220	Abca9	-0.444903	1	-0.749824	3.69146	2.08455	No change
NM_001081680	Zfp72	-0.443932	1	-0.915893	6.24627	3.12901	No change
NM_009658	Akr1b3	-0.443405	1	-0.64923	35.0453	21.2505	No change
NM_178795	Ppip5k1	-0.443282	1	-0.647461	9.0219	5.47745	No change
NM_139229	Cog8	-0.44314	1	-0.664424	20.305	12.1813	No change
NM_011830	Impdh2	-0.442839	1	-0.69578	20.3289	11.9283	No change
NM_013515	Stom	-0.442752	1	-0.668652	14.5771	8.71893	No change
NM_029888	Zfp142	-0.442065	1	-0.687764	4.67293	2.7575	No change
NM_008246	Hiat1	-0.441959	1	-0.577326	39.8998	25.4459	No change
NM_028307	Tdrkh	-0.441864	1	-0.869843	4.60236	2.384	No change
NM_001081395	Amotl1	-0.441127	1	-0.59206	10.014	6.32081	No change
NM_019423	Elov12	-0.441029	1	-0.56134	36.3813	23.4626	No change
NM_012017	Zfp346	-0.440898	1	-0.691266	9.35827	5.50857	No change
NM_009427	Tob1	-0.440722	1	-0.752347	9.69906	5.4668	No change
NR_027810	1110006O24Rik	-0.440465	1	-1.378	3.99282	1.40217	No change
NM_172121	Zc3h3	-0.440339	1	-0.877634	3.50761	1.8066	No change
NM_145546	Gtf2b	-0.440272	1	-0.687683	27.4987	16.2275	No change
NM_026904	Anapc10	-0.440169	1	-0.855448	4.60143	2.40841	No change
NM_175107	2310022A10Rik	-0.438168	1	-1.18571	1.66439	0.680354	No change
NM_001199227	Osbp15	-0.437853	1	-0.976748	2.09409	1.00288	No change
NM_145532	Mall	-0.437629	1	-1.88615	1.24009	0.291982	No change
NM_028070	Alkbh4	-0.437573	1	-0.929214	5.49244	2.72412	No change
NM_173745	Dusp18	-0.437009	1	-0.717874	5.82279	3.36326	No change
NM_009594	Abl1	-0.436314	1	-0.617265	10.8534	6.7304	No change
NM_001143776	Fam13c	-0.435739	1	-1.19649	1.2977	0.525941	No change
NM_001101598	Isoc2a	-0.435069	1	-1.02663	6.15503	2.83994	No change
NM_172747	Kctd13	-0.434577	1	-0.929867	5.60409	2.77789	No change
NM_197990	1700025G04Rik	-0.434318	1	-0.783245	1.82914	1.00834	No change
NM_010576	Iitga4	-0.434141	1	-0.944093	0.893136	0.438106	No change
NM_009180	St6galnac2	-0.433193	1	-0.557323	64.3794	41.6338	No change
NM_175246	Snip1	-0.431871	1	-0.6977	12.8595	7.53419	No change
NM_013664	Sh3gl1	-0.43159	1	-0.650296	21.593	13.0821	No change
NM_025352	Uqcrcq	-0.431175	1	-0.616424	120.112	74.5245	No change
NM_198303	Eif5b	-0.430095	1	-0.611846	7.97308	4.96285	No change
NM_001001650	Prss48	-0.428801	1	-1.23407	4.03911	1.58863	No change
NM_011508	Eif1	-0.428598	1	-0.586894	67.1032	42.5055	No change
NM_001017985	C2cd3	-0.428056	1	-0.639012	5.96017	3.63964	No change
NM_001038625	Sertad2	-0.428032	1	-0.620699	10.0517	6.21781	No change
NM_133835	Ubac1	-0.427689	1	-0.658628	11.3327	6.82534	No change
NM_008369	Il3ra	-0.426293	1	-1.98568	1.44985	0.309	No change
NM_019936	Cript	-0.425734	1	-0.653431	34.2811	20.7219	No change
NM_033322	Lztlf1	-0.425116	1	-0.57966	24.854	15.823	No change
NM_153514	Rhobtb2	-0.424413	1	-0.853355	2.30489	1.20772	No change
NM_023662	Pcm1	-0.423935	1	-0.52951	21.3711	14.0909	No change
NM_021512	Nup160	-0.423901	1	-0.754679	3.45767	1.94508	No change
NM_025825	Appbp2	-0.423502	1	-0.609118	24.7475	15.4328	No change
NM_008723	Npm3	-0.423371	1	-0.827847	15.6404	8.34779	No change
NM_001130457	Tbrg4	-0.423316	1	-0.741755	8.99359	5.10609	No change
NM_178694	Zer1	-0.423068	1	-0.633149	11.4228	7.004	No change
NR_027892	5430402O13Rik	-0.422957	1	-1.13669	5.04162	2.13845	No change
NM_194345	Fam160b2	-0.422674	1	-0.690932	7.25608	4.27115	No change
NM_013646	Rora	-0.422501	1	-1.009	4.11205	1.92141	No change
NM_178380	Dhx38	-0.422235	1	-0.628649	11.56	7.11056	No change
NM_026411	1700021F05Rik	-0.421445	1	-0.802206	16.7636	9.11378	No change
NM_172428	Ccdc134	-0.420907	1	-0.768089	8.75848	4.87968	No change
NM_025485	Mrps22	-0.420003	1	-0.719035	19.5599	11.2857	No change
NM_011676	Unc119	-0.419805	1	-0.919568	7.07266	3.5307	No change
NM_001039000	Kif5a	-0.419721	1	-1.14488	0.728844	0.307139	No change
NM_010358	Gstm1	-0.419486	1	-0.512085	178.81	119.337	No change
NM_177068	Olfml2b	-0.418924	1	-1.01168	2.1392	0.997419	No change
NR_024093	U05342	-0.418768	1	-0.576321	24.3821	15.5583	No change
NM_001163073	Lcorl	-0.418366	1	-0.610511	11.1761	6.96242	No change
NM_172615	1700021K19Rik	-0.418298	1	-0.574403	15.6934	10.0274	No change
NM_175439	Mars2	-0.418235	1	-0.838839	4.3286	2.29173	No change
NM_001161626	Tmem116	-0.418101	1	-1.30118	2.60172	0.969378	No change

NM_007984	Fscn1	-0.418101	1	-1.30118	1.22818	0.45761	No change
NM_001190817	Dnajc1	-0.417923	1	-0.596639	12.5581	7.89997	No change
NM_001199210	4931408A02Rik	-0.417778	1	-1.04369	2.79813	1.2736	No change
NM_134010	Nup107	-0.416868	1	-0.653026	12.0588	7.29055	No change
NM_008155	Gpi1	-0.416847	1	-0.530042	54.5391	35.9458	No change
NM_133738	Anxr2	-0.416806	1	-0.741052	5.42531	3.0814	No change
NM_001081678	Zfp800	-0.416486	1	-0.613061	13.6344	8.47852	No change
NM_009104	Rrm2	-0.41646	1	-1.15363	2.04603	0.856223	No change
NM_175260	Myh10	-0.416225	1	-0.588415	8.82019	5.58057	No change
NM_172768	Gramd1b	-0.415935	1	-0.531257	53.347	35.1301	No change
NM_008233	Hdgfrp2	-0.415551	1	-0.665906	14.7993	8.86623	No change
NM_207267	Tmsb15l	-0.415499	1	-0.820391	16.8104	9.01897	No change
NM_022018	Fam129a	-0.414833	1	-0.705573	6.35181	3.69981	No change
NM_010771	Matr3	-0.414724	1	-0.492995	71.9215	48.6419	No change
NM_001111017	Serac1	-0.414657	1	-0.684814	5.11247	3.02211	No change
NM_172117	Entpd6	-0.413797	1	-0.666832	13.0465	7.81086	No change
NM_172571	Fbf1	-0.413558	1	-0.579921	13.6454	8.68493	No change
NM_023305	Ubap1	-0.412964	1	-0.633379	15.763	9.66263	No change
NM_027883	Dhx34	-0.412912	1	-0.752562	4.89556	2.75756	No change
NM_001081220	Gpr179	-0.412757	1	-1.32224	0.338096	0.123831	No change
NM_023040	Gfer	-0.412231	1	-0.653365	20.1422	12.1741	No change
NM_133810	Stk17b	-0.411996	1	-0.627648	13.5219	8.32232	No change
NM_011952	Mapk3	-0.411427	1	-0.703667	13.9622	8.14333	No change
NM_001015046	Rap1gap2	-0.411349	1	-1.0956	0.793695	0.347195	No change
NM_001195672	Gm221	-0.41049	1	-1.50763	1.26361	0.400508	No change
NM_026623	Nudt21	-0.410193	1	-0.71573	20.45	11.8252	No change
NM_027376	Fuz	-0.410056	1	-0.819031	7.7163	4.14341	No change
NM_026389	Poldip2	-0.409096	1	-0.631999	21.2901	13.0629	No change
NM_138747	Nop2	-0.408728	1	-0.737183	7.54586	4.29706	No change
NM_207209	Sec24b	-0.408216	1	-0.614784	10.2272	6.35156	No change
NM_153521	Lrrc41	-0.407863	1	-0.564707	28.5914	18.3919	No change
NM_177111	Ccdc66	-0.407241	1	-0.63781	13.2184	8.07709	No change
NM_023815	Trp53rk	-0.407162	1	-0.858838	2.46365	1.28518	No change
NM_030261	Sesn3	-0.406909	1	-0.741505	8.84887	5.02337	No change
NM_001039147	Morf4l1	-0.4069	1	-0.520878	77.1789	51.1913	No change
NM_027715	Otud1	-0.404356	1	-0.867036	4.10607	2.12903	No change
NM_001177503	3830431G21Rik	-0.403991	1	-0.858489	3.04301	1.58767	No change
NM_001164427	Kcnk13	-0.403957	1	-1.81214	0.828611	0.207622	No change
NM_008000	Fert2	-0.403808	1	-0.742781	7.86143	4.4585	No change
NM_028306	Hspa12b	-0.403804	1	-1.34558	1.01828	0.365907	No change
NM_001160215	Fcrla	-0.402572	1	-2.20807	0.79721	0.129665	No change
NM_008286	Hrh2	-0.402572	1	-2.20807	0.83808	0.136312	No change
NM_009311	Tac1	-0.402572	1	-2.20807	1.28062	0.208291	No change
NM_010164	Eya1	-0.402572	1	-2.20807	0.305812	0.0497397	No change
NM_011532	Tbx1	-0.402572	1	-2.20807	0.745169	0.1212	No change
NM_013496	Crabp1	-0.402572	1	-2.20807	1.787	0.290652	No change
NM_146010	Tspan8	-0.402572	1	-2.20807	0.870017	0.141507	No change
NR_015474	Gm14047	-0.402572	1	-2.20807	0.948543	0.154279	No change
NM_001001180	Zfp941	-0.402551	1	-0.973608	1.80071	0.863181	No change
NM_001163728	4930563E22Rik	-0.402427	1	-1.06064	1.64082	0.736762	No change
NM_026536	Atp5s	-0.402191	1	-0.787065	9.85557	5.41454	No change
NM_001039522	Leo1	-0.401597	1	-0.741755	8.42547	4.7817	No change
NM_133833	Dst	-0.401288	1	-0.500448	11.6695	7.85109	No change
NM_198300	Cpeb3	-0.400722	1	-0.710668	3.80231	2.20628	No change
NM_001114125	Dab2ip	-0.400599	1	-0.744126	3.36306	1.90537	No change
NM_025697	6330409N04Rik	-0.400269	1	-0.72335	12.0416	6.92422	No change
NM_001195730	Dcdc2b	-0.399873	1	-1.11563	5.40443	2.32656	No change
NM_027532	3200002M19Rik	-0.399699	1	-0.8972	11.3393	5.75047	No change
NM_022004	Fxyd6	-0.399219	1	-0.735203	10.5395	6.00929	No change
NM_001009951	BC088983	-0.399167	1	-0.730026	13.8987	7.95397	No change
NM_175935	G6pc3	-0.39825	1	-0.63011	24.8259	15.2509	No change
NM_001081091	Cep152	-0.398186	1	-0.722292	3.50398	2.01632	No change
NM_001204907	Recql	-0.397532	1	-0.627411	18.0113	11.0856	No change
NM_025407	Uqcrc1	-0.396944	1	-0.668838	17.0445	10.1877	No change
NM_009447	Tuba4a	-0.396368	1	-0.544357	44.5383	29.0591	No change
NM_011396	Slc22a5	-0.396285	1	-0.602952	15.3975	9.64149	No change
NM_145354	Nsun2	-0.394438	1	-0.560375	17.0893	11.0254	No change
NM_001001445	Trpv1	-0.394394	1	-2.47111	0.304215	0.0284885	No change
NM_001009546	Naaladl1	-0.394394	1	-2.47111	0.342548	0.0320782	No change
NM_001011829	Olf761	-0.394394	1	-3.47111	0.788706	0	No change
NM_001033292	Espnl	-0.394394	1	-3.47111	0.140871	0	No change
NM_001033477	Gm1322	-0.394394	1	-3.47111	0.38994	0	No change
NM_001033979	Ldlrad2	-0.394394	1	-2.47111	0.419378	0.039273	No change
NM_001104614	Vmn2r3	-0.394394	1	-3.47111	0.287124	0	No change
NM_001115075	H2-M5	-0.394394	1	-2.47111	0.655233	0.0613598	No change
NM_001145406	Rhox3g-ps	-0.394394	1	-3.47111	1.06623	0	No change

NM_001164681	Ces3a	-0.394394	1	-2.47111	0.401794	0.0376263	No change
NM_001166729	Vmn1r31	-0.394394	1	-3.47111	0.840595	0	No change
NM_001167937	D6Erd527e	-0.394394	1	-3.47111	0.34424	0	No change
NM_007677	Psg17	-0.394394	1	-2.47111	0.367861	0.0344486	No change
NM_008022	Foxd4	-0.394394	1	-3.47111	0.326918	0	No change
NM_008657	Myf6	-0.394394	1	-3.47111	0.614281	0	No change
NM_008712	Nos1	-0.394394	1	-3.47111	0.174788	0	No change
NM_009019	Rag1	-0.394394	1	-3.47111	0.114988	0	No change
NM_009844	Cd19	-0.394394	1	-3.47111	0.314705	0	No change
NM_012035	Trpc7	-0.394394	1	-2.47111	0.229596	0.0215007	No change
NM_020017	Magea3	-0.394394	1	-3.47111	0.692522	0	No change
NM_021447	Trim54	-0.394394	1	-3.47111	0.500406	0	No change
NM_027426	2610109H07Rik	-0.394394	1	-2.47111	0.147427	0.013806	No change
NM_027510	3830403N18Rik	-0.394394	1	-2.47111	0.751591	0.0703833	No change
NM_029692	Upp2	-0.394394	1	-3.47111	0.471188	0	No change
NM_139226	Onecut3	-0.394394	1	-3.47111	0.163494	0	No change
NM_153384	Clrn1	-0.394394	1	-2.47111	0.404337	0.0378644	No change
NM_177335	D930020B18Rik	-0.394394	1	-3.47111	0.223701	0	No change
NM_177713	Gap1	-0.394394	1	-3.47111	0.373052	0	No change
NM_178401	Ramp1	-0.394394	1	-2.47111	0.899791	0.0842617	No change
NM_198250	Lrrc4b	-0.394394	1	-3.47111	0.28195	0	No change
NM_207550	Ofrr199	-0.394394	1	-3.47111	0.826993	0	No change
NR_001583	Speer9-ps1	-0.394394	1	-3.47111	0.98919	0	No change
NR_003372	Gm7904	-0.394394	1	-2.47111	0.616752	0.0577562	No change
NR_033301	Gm5627	-0.394394	1	-3.47111	0.82344	0	No change
NR_033476	Gm10789	-0.394394	1	-2.47111	0.166984	0.0156373	No change
NR_037257	Mir699p-1	-0.394394	1	-3.47111	8.81175	0	No change
NR_037262	Mir699p-2	-0.394394	1	-3.47111	8.81175	0	No change
NM_025707	Kih128	-0.392938	1	-0.642354	11.648	7.09357	No change
NM_010058	Dmwd	-0.392634	1	-0.68156	9.95613	5.89712	No change
NM_027427	Taf15	-0.392577	1	-0.814592	5.98631	3.22341	No change
NM_181470	Ltv1	-0.391492	1	-0.654696	16.9502	10.2326	No change
NM_001013376	Rpp38	-0.391322	1	-0.783297	13.7079	7.54959	No change
NM_033595	Pcdhga12	-0.391213	1	-0.613461	8.16446	5.07442	No change
NM_139150	Carf	-0.390412	1	-0.787581	5.27247	2.8948	No change
NM_001013753	Pcdh17	-0.390204	1	-1.00433	0.644966	0.301992	No change
NM_001048167	Mtap6	-0.390096	1	-1.8455	0.477541	0.115745	No change
NM_019795	Dnajc7	-0.389805	1	-0.512714	56.7009	37.8207	No change
NM_001127363	Inpp5a	-0.388327	1	-0.826203	4.04446	2.15932	No change
NM_011813	Fiz1	-0.38828	1	-0.687112	8.89641	5.24836	No change
NM_021383	Rqcd1	-0.388199	1	-0.632859	10.5414	6.46251	No change
NM_001195338	Bbip1	-0.388052	1	-0.570525	24.1951	15.4984	No change
NM_008924	Prkar2a	-0.387996	1	-0.569821	15.1116	9.68467	No change
NM_001093750	Ptchd1	-0.387399	1	-1.67464	0.397386	0.110635	No change
NM_153126	Nat10	-0.385681	1	-0.605757	10.9347	6.8328	No change
NM_009778	C3	-0.385563	1	-0.503145	27.8066	18.6715	No change
NM_008449	Kif5c	-0.384425	1	-0.763973	2.18045	1.21751	No change
NM_153489	Ubap2l	-0.383884	1	-0.524917	25.2452	16.6956	No change
NM_015769	Ercc4	-0.383409	1	-0.654163	4.22129	2.54905	No change
NM_175659	Hist1h2ah	-0.383008	1	-0.925674	19.8094	9.83184	No change
NM_013676	Supt5h	-0.382869	1	-0.485104	53.4359	36.3351	No change
NR_027380	Gm3219	-0.382703	1	-0.780277	22.6156	12.4802	No change
NM_026047	Rnf219	-0.382366	1	-0.818241	3.32735	1.78647	No change
NM_007446	Amy1	-0.382073	1	-0.771209	8.02334	4.45655	No change
NM_021498	Pole3	-0.381959	1	-0.620334	60.2687	37.2738	No change
NM_001081030	Sbf1	-0.381723	1	-0.5365	13.4545	8.826	No change
NM_175660	Hist1h2ab	-0.380772	1	-0.898118	16.528	8.37088	No change
NM_001001981	Utp14b	-0.380611	1	-0.619395	9.73249	6.02306	No change
NM_008999	Rab23	-0.380537	1	-0.789183	2.99997	1.64483	No change
NM_001012309	Ccdc55	-0.380438	1	-0.618494	11.6155	7.19293	No change
NM_001163013	Ythdc2	-0.380222	1	-0.675785	3.795	2.25665	No change
NM_027860	0610010F05Rik	-0.380197	1	-0.547703	17.2381	11.2195	No change
NM_008228	Hdac1	-0.37838	1	-0.650961	14.1437	8.55955	No change
NM_198248	Zbtb40	-0.378252	1	-0.725083	2.45166	1.40747	No change
NM_007879	Drg1	-0.378219	1	-0.529353	57.1628	37.6855	No change
NM_019673	Actl6a	-0.378091	1	-0.704975	10.0168	5.8337	No change
NM_001033270	Slc4a7	-0.377764	1	-0.609935	5.131	3.19654	No change
NM_025400	Nat9	-0.377722	1	-0.616602	31.7627	19.6949	No change
NM_026250	Gin1	-0.377558	1	-0.91168	3.85855	1.93459	No change
NM_009178	St3gal4	-0.377468	1	-0.804615	5.87358	3.18442	No change
NM_001164573	Myo1h	-0.377341	1	-0.757247	3.20548	1.79826	No change
NM_001040683	Med15	-0.376981	1	-0.612284	11.32	7.04049	No change
NM_153583	Atg4d	-0.376785	1	-0.687732	8.52991	5.02904	No change
NM_138585	Cherp	-0.376781	1	-0.64407	7.6112	4.62863	No change
NR_029419	Tmem161b	-0.376614	1	-0.6935	7.61394	4.4706	No change
NM_145578	Ube2m	-0.376265	1	-0.546565	58.6202	38.1828	No change

NM_010191	Fdft1	-0.376255	1	-0.471576	75.0258	51.4979	No change
NM_145599	Tmem184c	-0.376038	1	-0.571871	19.6336	12.5634	No change
NM_025372	Tipin	-0.375965	1	-0.74573	12.8912	7.29173	No change
NM_001008423	Gm1568	-0.375038	1	-2.30118	0.237644	0.0326397	No change
NM_001033323	Igsf9b	-0.375038	1	-2.30118	0.365906	0.0502562	No change
NM_008792	Pcsk2	-0.375038	1	-2.30118	0.220408	0.0302724	No change
NM_009644	Ahrr	-0.375038	1	-2.30118	0.22092	0.0303428	No change
NM_172655	Hecw2	-0.375038	1	-2.30118	0.925128	0.127064	No change
NM_198656	Cdh26	-0.375038	1	-2.30118	0.361603	0.0496651	No change
NR_037973	LOC100502868	-0.375038	1	-2.30118	0.190557	0.0261724	No change
NR_038024	4930486F22Rik	-0.375038	1	-2.30118	1.85683	0.25503	No change
NM_138302	Tymp	-0.374952	1	-0.772935	6.67819	3.7042	No change
NM_025878	Mrps18b	-0.374837	1	-0.641682	27.533	16.7717	No change
NM_001170567	Depdc5	-0.374374	1	-0.672315	2.95651	1.76224	No change
NM_011594	Timp2	-0.374108	1	-0.529848	22.6473	14.9251	No change
NM_010752	Mad11l	-0.373888	1	-0.670416	8.97561	5.35713	No change
NM_001113574	Brd3	-0.373592	1	-0.55562	11.4098	7.38468	No change
NM_053128	Pcdhb3	-0.372581	1	-2.08778	0.404871	0.0758289	No change
NM_178746	Slc38a9	-0.372109	1	-0.649445	3.01823	1.8284	No change
NM_177292	Wscd2	-0.370639	1	-1.1816	0.858607	0.350444	No change
NM_001034085	Ppp2r1b	-0.369758	1	-0.591773	11.328	7.14751	No change
NM_007761	Crp	-0.368528	1	-0.647167	18.1107	10.9884	No change
NM_010441	Hmga2	-0.368497	1	-1.93677	0.46729	0.103148	No change
NM_139146	Satb2	-0.368497	1	-1.93677	0.369164	0.0814881	No change
NM_177354	Vash1	-0.36822	1	-1.47111	0.427909	0.139197	No change
NM_028677	Ppih	-0.368134	1	-1.05607	6.36834	2.86425	No change
NM_001037755	Baiap2	-0.367663	1	-0.595244	19.001	11.9594	No change
NM_001146025	Rnf44	-0.367618	1	-0.6072	8.86811	5.53478	No change
NM_030221	Nadsyn1	-0.367584	1	-0.821605	4.02635	2.15564	No change
NM_023323	Rpf2	-0.367317	1	-0.749263	9.88886	5.57835	No change
NM_001163042	Haus8	-0.367128	1	-0.946266	4.04803	1.97748	No change
NR_033457	Gm6225	-0.367124	1	-1.02	3.19768	1.47805	No change
NM_026570	Yeats4	-0.36706	1	-0.613229	23.9569	14.8885	No change
NM_012039	Zw10	-0.366898	1	-0.731635	5.51094	3.14829	No change
NM_011785	Akt3	-0.366405	1	-0.551254	12.3784	8.03574	No change
NM_172893	Parp12	-0.366032	1	-0.625303	9.45355	5.8251	No change
NM_001159672	Eftud1	-0.365999	1	-0.681606	5.81418	3.44231	No change
NM_172582	Coq6	-0.364617	1	-0.967675	3.91533	1.88216	No change
NM_026422	Mrrf	-0.364599	1	-0.707548	7.96048	4.62653	No change
NM_027242	2010007H12Rik	-0.362804	1	-0.99306	6.16029	2.90528	No change
NM_011752	Zfp259	-0.362587	1	-0.650078	8.38745	5.07807	No change
NM_001081567	Mapk10	-0.362266	1	-0.639398	3.72767	2.27401	No change
NM_007804	Cux2	-0.361215	1	-1.20807	0.667896	0.266777	No change
NM_133867	Eps8l3	-0.361096	1	-0.782767	5.3421	2.94122	No change
NM_010703	Lef1	-0.36027	1	-0.707942	7.09126	4.11987	No change
NM_020295	Lmbr1	-0.359073	1	-0.545476	11.6579	7.59831	No change
NM_027260	Vrk2	-0.358883	1	-0.738212	7.81327	4.44185	No change
NM_024471	Lias	-0.358737	1	-0.675519	12.4511	7.40291	No change
NM_024499	Sgta	-0.358655	1	-0.547177	28.8866	18.805	No change
NM_133803	Dpp3	-0.358181	1	-0.537298	23.1444	15.1716	No change
NM_144917	Elmod3	-0.358142	1	-0.644524	11.6531	7.08267	No change
NM_001081420	BC026590	-0.357888	1	-0.652946	5.5281	3.33989	No change
NM_026481	Tppp3	-0.357724	1	-0.99577	5.51282	2.59401	No change
NM_175551	Dido1	-0.357619	1	-0.476583	16.2779	11.1334	No change
NM_001008498	Wdr34	-0.357193	1	-0.593139	20.2497	12.7628	No change
NM_134012	Mbt1	-0.356205	1	-0.528593	12.7768	8.42662	No change
NM_024428	Dpy30	-0.356127	1	-0.531163	81.2067	53.4614	No change
NM_019396	Cyhr1	-0.355891	1	-0.510636	51.9513	34.6967	No change
NM_010222	Fkbp7	-0.355863	1	-0.765851	14.2025	7.91459	No change
NR_015579	2810032G03Rik	-0.355781	1	-1.22318	2.60379	1.02722	No change
NM_177805	Fam179b	-0.355579	1	-0.498508	14.959	10.0757	No change
NM_001081355	Prdm2	-0.355481	1	-0.497724	13.2939	8.95914	No change
NM_178762	Fam113a	-0.355393	1	-0.688206	5.38853	3.17478	No change
NM_178185	Hist1h2ap	-0.354744	1	-0.886145	20.0389	10.2298	No change
NM_023624	Lrat	-0.354686	1	-0.713506	3.06185	1.77162	No change
NM_019680	Elf4	-0.354627	1	-0.971537	1.02507	0.49113	No change
NM_026454	Ube2f	-0.354374	1	-0.653854	16.9247	10.2182	No change
NM_028639	Ttc7	-0.354221	1	-0.642041	5.3912	3.28232	No change
NM_027801	2610015P09Rik	-0.353845	1	-0.710196	4.55309	2.64068	No change
NM_013918	Usp25	-0.353844	1	-0.526425	15.0978	9.97232	No change
NM_028982	8430419L09Rik	-0.353688	1	-0.609254	7.41802	4.62232	No change
NM_021392	Ap4m1	-0.353355	1	-0.747317	8.00088	4.51831	No change
NM_009569	Zfpm1	-0.352503	1	-0.950276	1.87302	0.911699	No change
NM_011279	Rnf7	-0.351785	1	-0.538725	50.3612	32.9782	No change
NM_011691	Vav1	-0.351598	1	-1.13407	0.936373	0.396159	No change
NM_175437	Pion	-0.351598	1	-1.13407	1.04214	0.440906	No change

NM_173038	Tbcel	-0.351222	1	-0.553209	9.87796	6.40294	No change
NM_175665	Hist1h2bk	-0.351111	1	-0.560282	120.362	77.6322	No change
NM_010299	Gm2a	-0.350869	1	-0.479178	27.8706	19.0273	No change
NM_175436	Zfp526	-0.350136	1	-0.745968	4.05433	2.29166	No change
NM_026943	Snrpd2	-0.349848	1	-0.544208	108.253	70.6141	No change
NM_033580	Pcdhgb8	-0.349244	1	-0.574906	8.57388	5.47334	No change
NM_001081390	Palld	-0.349212	1	-1.23978	0.879961	0.342437	No change
NM_010791	Meox1	-0.349212	1	-1.23978	1.42037	0.552738	No change
NM_133757	Pgs1	-0.348616	1	-0.665836	8.97698	5.37339	No change
NM_153173	Hist1h4h	-0.347766	1	-0.556793	95.9371	62.0286	No change
NM_194348	Atg2a	-0.34729	1	-0.681483	2.94601	1.74382	No change
NM_010336	Lpar1	-0.347107	1	-0.60565	9.05884	5.65872	No change
NM_009242	Sparc	-0.347093	1	-0.453121	74.8767	52.0555	No change
NM_153387	Tubgcp4	-0.346977	1	-0.712694	6.14538	3.55734	No change
NM_021555	Fam203a	-0.346555	1	-0.862298	4.2163	2.18986	No change
NM_001161818	Zfp639	-0.34632	1	-0.620653	14.1564	8.74952	No change
NM_029344	Acyp2	-0.346226	1	-1.14394	5.60867	2.3538	No change
NM_198702	Lphn3	-0.346083	1	-0.697941	2.91387	1.7046	No change
NM_033588	Pcdhga5	-0.346019	1	-0.566155	9.13377	5.86662	No change
NM_020027	Prrc2a	-0.345666	1	-0.464216	20.1518	13.9018	No change
NM_020002	Rec8	-0.345643	1	-0.740013	6.64711	3.77296	No change
NM_030153	Naa35	-0.345427	1	-0.694961	6.55871	3.84496	No change
NM_009680	Ap3b1	-0.345253	1	-0.525778	15.1348	10.0007	No change
NM_025682	Pspc1	-0.345224	1	-0.523755	26.1752	17.3205	No change
NM_030238	Dync1h1	-0.344495	1	-0.405532	35.4903	25.5043	No change
NM_027995	Paqr7	-0.34423	1	-0.665175	9.7442	5.83497	No change
NM_026388	Tprgl	-0.343834	1	-0.48079	59.8054	40.7819	No change
NM_022880	Slc29a1	-0.343435	1	-0.522313	30.4264	20.1537	No change
NM_001081028	Sipa1l3	-0.343108	1	-0.643784	2.9547	1.7964	No change
NM_053204	Erc1	-0.342777	1	-0.535026	6.14189	4.0321	No change
NM_027656	Zbtb46	-0.342562	1	-0.823861	4.67157	2.49522	No change
NM_001039143	Nlrp5	-0.342437	1	-1.63617	0.724501	0.207309	No change
NM_033371	Ppp1r16a	-0.342235	1	-0.57158	14.5869	9.3331	No change
NM_001001884	Nckap5l	-0.342009	1	-0.953259	1.24913	0.606393	No change
NM_009840	Cct8	-0.341609	1	-0.443853	77.1548	53.9859	No change
NM_010267	Gdap1	-0.340987	1	-1.80368	0.584167	0.14588	No change
NR_028426	Gm5129	-0.340987	1	-1.80368	3.81404	0.952451	No change
NM_146073	Zdhhc14	-0.340675	1	-1.15463	1.16341	0.483984	No change
NM_175445	Rassf2	-0.340536	1	-0.655532	4.3549	2.62558	No change
NM_013415	Atp1b2	-0.340443	1	-1.25811	1.01277	0.38819	No change
NM_027201	Zfp511	-0.340174	1	-0.90022	6.46244	3.26323	No change
NM_007619	Cbl	-0.339149	1	-0.515035	12.5593	8.36125	No change
NM_172626	Rbm27	-0.338524	1	-0.53765	8.01068	5.24908	No change
NM_008379	Kpnb1	-0.338264	1	-0.420803	47.5195	33.7876	No change
NM_026305	Tceb2	-0.337212	1	-0.477736	194.399	132.842	No change
NM_016699	Exosc10	-0.336823	1	-0.675646	6.49236	3.85835	No change
NM_007856	Dhcr7	-0.336513	1	-0.954858	2.10366	1.01976	No change
NM_001008233	Plekhn1	-0.336203	1	-0.873206	3.46888	1.78665	No change
NM_007460	Ap3d1	-0.33584	1	-0.44036	37.2629	26.1362	No change
NM_001163701	Rpap1	-0.335637	1	-0.66834	3.95098	2.36025	No change
NR_033782	4921531C22Rik	-0.335611	1	-0.748642	6.54858	3.69318	No change
NM_145614	Dlat	-0.335136	1	-0.503201	17.2548	11.5826	No change
NM_145436	Cdc27	-0.334471	1	-0.434601	33.1699	23.3588	No change
NM_001039209	Gm13152	-0.33332	1	-0.77923	8.69759	4.79763	No change
NM_019825	Ncoa6	-0.330229	1	-0.493959	10.6525	7.19688	No change
NM_172280	2210018M11Rik	-0.329557	1	-0.555531	9.75771	6.31346	No change
NM_177343	Camk1d	-0.329527	1	-0.917172	0.911467	0.454309	No change
NM_026260	Tctn3	-0.329281	1	-0.630528	8.28643	5.08465	No change
NM_001164663	9830001H06Rik	-0.329183	1	-0.721086	1.0376	0.596811	No change
NM_001164643	Trappc9	-0.329063	1	-0.625993	8.19193	5.04285	No change
NM_001166666	Rtel1	-0.329007	1	-0.624538	5.41805	3.33873	No change
NM_010091	Dvl1	-0.328945	1	-0.508647	18.2143	12.1796	No change
NM_153580	Ino80e	-0.328254	1	-0.685847	14.9479	8.81759	No change
NM_197982	Ddx39	-0.327351	1	-0.661439	11.1744	6.70741	No change
NM_001035231	Zfp748	-0.327127	1	-0.540521	9.49532	6.20878	No change
NM_008889	Ppp1r14b	-0.326833	1	-0.656974	20.6273	12.4209	No change
NM_026114	Eif2s1	-0.326514	1	-0.498676	21.0052	14.1441	No change
NM_027619	Ttc14	-0.325158	1	-0.432793	17.5674	12.3864	No change
NM_011678	Usp4	-0.324273	1	-0.494251	18.4872	12.4871	No change
NM_001159538	Fgd2	-0.324104	1	-0.936771	2.28327	1.12131	No change
NM_001024717	Gal3st3	-0.32369	1	-1.84034	0.863249	0.207488	No change
NM_007891	E2f1	-0.32369	1	-1.84034	0.849914	0.204283	No change
NM_008297	Hsf2	-0.323628	1	-0.673036	6.48306	3.85914	No change
NM_030113	Arhgap10	-0.323628	1	-0.673036	5.59746	3.33197	No change
NM_009706	Arhgap5	-0.323584	1	-0.415474	43.4843	31.032	No change
NM_175360	Obfc1	-0.323368	1	-0.739041	6.53139	3.70805	No change

NM_178719	Smcr7l	-0.323354	1	-0.529064	9.20835	6.06963	No change
NM_011413	C4a	-0.323138	1	-0.75339	2.145	1.20522	No change
NM_026042	Med29	-0.322892	1	-0.639505	9.47721	5.77781	No change
NM_177041	Flad1	-0.322868	1	-0.583218	13.601	8.62935	No change
NM_029157	Sf3a3	-0.322636	1	-0.782037	5.99597	3.29976	No change
NM_021449	Crbn	-0.322506	1	-0.459473	25.5673	17.6943	No change
NM_026021	Zmynd19	-0.3223	1	-0.734142	10.1341	5.7736	No change
NM_178182	Hist1h2ai	-0.322153	1	-0.86015	19.3296	10.0471	No change
NM_146122	Dennd1a	-0.320815	1	-0.645532	4.48392	2.72185	No change
NM_024274	Fars2	-0.320625	1	-0.584424	13.637	8.64463	No change
NM_018783	Tfip11	-0.320265	1	-0.609436	6.85343	4.26822	No change
NM_011869	Med24	-0.320199	1	-0.466153	26.7122	18.4004	No change
NM_027425	Rufy2	-0.319788	1	-0.486125	7.90051	5.36665	No change
NM_001033207	Nlrc5	-0.319724	1	-0.802487	1.33465	0.723595	No change
NM_001083928	Tle3	-0.318588	1	-0.600945	4.94132	3.09588	No change
NM_018817	Smarcal1	-0.318433	1	-0.647985	2.82301	1.71058	No change
NM_001127356	Eif2b4	-0.318243	1	-0.513471	24.6131	16.4016	No change
NM_025369	Mrps36	-0.318243	1	-0.695202	20.538	12.032	No change
NM_021537	Stk25	-0.31784	1	-0.43008	46.7547	33.0274	No change
NM_178751	Orai2	-0.317586	1	-0.794353	2.46316	1.34328	No change
NM_001031814	Smg1	-0.316819	1	-0.38101	29.4088	21.4962	No change
NM_001105667	Dtymk	-0.315875	1	-0.606528	23.9721	14.9594	No change
NM_172691	B230312A22Rik	-0.315715	1	-0.556659	11.6273	7.51611	No change
NM_033579	Pcdhgb7	-0.315503	1	-0.537158	8.92119	5.84658	No change
NM_001004436	Wapal	-0.315197	1	-0.43135	30.9932	21.8739	No change
NM_177331	Gen1	-0.314915	1	-0.817974	2.6111	1.39952	No change
NM_172717	Chfr	-0.313805	1	-0.575916	9.24543	5.89566	No change
NM_025523	Ndufc1	-0.313453	1	-0.653365	43.0952	26.0112	No change
NM_001038698	Elavl4	-0.313022	1	-2.13407	0.312992	0.0537358	No change
NM_001080934	Slc16a5	-0.313022	1	-2.13407	0.415388	0.0713155	No change
NM_001081401	Adamts3	-0.313022	1	-2.13407	0.16552	0.0284171	No change
NM_001160402	Tm4sf19	-0.313022	1	-2.13407	0.99799	0.171339	No change
NM_008340	Igfals	-0.313022	1	-2.13407	0.594255	0.102024	No change
NM_001163775	Taok2	-0.31287	1	-0.487704	12.1754	8.26095	No change
NM_025317	Mrpl54	-0.312365	1	-0.542029	64.2315	41.9494	No change
NM_144831	Dhx8	-0.312365	1	-0.542029	8.73179	5.70271	No change
NM_008854	Prkaca	-0.31192	1	-0.546569	15.7744	10.2693	No change
NM_001171739	Bag1	-0.311548	1	-0.406915	154.936	111.225	No change
NM_026071	Slc25a19	-0.311205	1	-0.661211	11.2739	6.7664	No change
NM_001038593	Glrx2	-0.311109	1	-0.57775	8.07055	5.13963	No change
NM_008916	Inpp5k	-0.310862	1	-0.540896	14.2236	9.29667	No change
NM_177722	6030422M02Rik	-0.31059	1	-1.02365	1.7744	0.815487	No change
NM_024436	Rab22a	-0.310356	1	-0.545401	18.8744	12.2974	No change
NM_033575	Pcdhgb2	-0.310276	1	-0.529545	8.89793	5.86239	No change
NM_024221	Pdhh	-0.310234	1	-0.490417	40.5486	27.4594	No change
NM_178188	Hist1h2ad	-0.310216	1	-0.836392	20.0389	10.5951	No change
NM_033594	Pcdhga11	-0.309967	1	-0.535648	8.26615	5.42279	No change
NM_181730	Polr1d	-0.309559	1	-0.507634	54.8841	36.7211	No change
NM_177231	Arrb1	-0.309328	1	-0.585636	3.71395	2.35198	No change
NM_024222	Stt3b	-0.308544	1	-0.373905	104.242	76.5714	No change
NM_001001447	Zscan22	-0.308505	1	-0.6935	5.37327	3.15113	No change
NM_010572	Irs4	-0.308352	1	-1.88615	0.30117	0.0689414	No change
NM_010959	Oit3	-0.308352	1	-1.88615	0.692824	0.158596	No change
NM_181402	Parp11	-0.307527	1	-0.623111	5.50207	3.39291	No change
NM_001122604	Dazap1	-0.307497	1	-0.595889	11.6824	7.34461	No change
NM_001122685	Rhbdd1	-0.307278	1	-0.539389	9.99934	6.54238	No change
NM_010249	Gabpb1	-0.306688	1	-0.746982	8.17772	4.61437	No change
NM_024179	0610009O20Rik	-0.306674	1	-0.569046	12.118	7.76441	No change
NM_033582	Pcdhgc4	-0.304752	1	-0.536286	7.3675	4.83085	No change
NM_001081176	Polr3g	-0.304564	1	-0.631881	6.24048	3.82416	No change
NM_177604	AA986860	-0.303722	1	-1.02816	1.50933	0.69101	No change
NM_029437	Ckap5	-0.303138	1	-0.463159	11.6084	8.01229	No change
NM_001161536	Islr2	-0.30298	1	-1.13768	0.793437	0.333601	No change
NM_024124	Hdac9	-0.30298	1	-1.13768	0.771218	0.324259	No change
NM_009613	Adam11	-0.302902	1	-1.22495	0.633572	0.248627	No change
NM_011941	Mapkbp1	-0.302045	1	-0.45193	12.3774	8.61036	No change
NM_134091	Sgsm3	-0.300334	1	-0.679694	4.81363	2.85056	No change
NM_009986	Cux1	-0.300286	1	-0.453006	16.4858	11.4597	No change
NM_144911	Rpap2	-0.299628	1	-0.618127	8.78021	5.433	No change
NM_011836	Lamc3	-0.299447	1	-0.703281	2.16248	1.25907	No change
NM_001013414	Neurl4	-0.299397	1	-0.556906	5.78654	3.73926	No change
NM_028221	Fam192a	-0.299397	1	-0.556906	16.7356	10.8145	No change
NM_008664	Myom2	-0.299121	1	-0.941998	1.09753	0.536294	No change
NM_025666	Ubr7	-0.298776	1	-0.478641	18.5233	12.6469	No change
NM_178919	Lmf2	-0.298742	1	-0.578323	8.84952	5.6326	No change
NM_172490	Sepsecs	-0.298677	1	-0.649287	8.68899	5.25846	No change

NM_146164	Lrch4	-0.298012	1	-0.565653	9.07071	5.8253	No change
NM_172310	Tarsl2	-0.297882	1	-0.871348	2.09472	1.07889	No change
NM_016698	Rnf10	-0.297567	1	-0.428516	35.8542	25.3529	No change
NM_009561	Zfp61	-0.297364	1	-0.684511	5.9092	3.48708	No change
NM_001163733	Ush1c	-0.297343	1	-1.94504	0.544299	0.116809	No change
NM_013669	Snap91	-0.297343	1	-1.94504	0.402075	0.0862872	No change
NR_015388	Dlx6os1	-0.297343	1	-1.94504	0.393838	0.0845196	No change
NM_011840	Map2k5	-0.297186	1	-0.595436	10.062	6.32702	No change
NM_025336	Chchd3	-0.29703	1	-0.448537	58.5966	40.8587	No change
NM_001104530	Med7	-0.296249	1	-0.544454	13.4899	8.79379	No change
NM_007943	Eps15	-0.295823	1	-0.474409	11.7545	8.04912	No change
NM_023290	Mkxn2	-0.295638	1	-0.528795	16.2409	10.7045	No change
NM_175681	Glp2r	-0.295429	1	-2.02365	0.300339	0.0589296	No change
NM_001033238	Cblb	-0.295393	1	-0.605757	3.32921	2.0781	No change
NM_001199433	Dnm1	-0.295063	1	-0.481955	9.48849	6.46314	No change
NM_001037736	Arhgef10	-0.295042	1	-0.566433	5.07378	3.25653	No change
NM_178622	Suds3	-0.294692	1	-0.442337	36.4304	25.5125	No change
NM_024177	Mrpl38	-0.294461	1	-0.543137	22.77	14.8568	No change
NM_027389	Gon4l	-0.294016	1	-0.421726	15.5274	11.0316	No change
NM_172870	Bnc2	-0.293977	1	-0.686121	2.09522	1.2349	No change
NM_001002927	Penk	-0.293276	1	-0.448624	56.5145	39.4037	No change
NM_033578	Pcdhgb6	-0.292916	1	-0.51217	8.7358	5.82545	No change
NM_001164365	Nt5c2	-0.292858	1	-0.456545	18.7761	13.0189	No change
NM_145494	Me2	-0.29256	1	-0.636694	7.04026	4.29869	No change
NM_130903	Cd209c	-0.292452	1	-0.968607	3.19239	1.52845	No change
NM_001142539	Gm9992	-0.291464	1	-0.77923	5.64368	3.10959	No change
NM_026274	Rspry1	-0.290485	1	-0.518018	9.88629	6.56545	No change
NM_199322	Dot1l	-0.289673	1	-0.526102	6.20554	4.09766	No change
NM_001159662	Ppp1r16b	-0.289524	1	-0.886145	0.97038	0.494181	No change
NM_001081084	Cubn	-0.289173	1	-1.03815	0.36308	0.164818	No change
NM_030176	Spata2L	-0.289101	1	-0.643721	6.85216	4.16267	No change
NM_028948	Ccdc11	-0.289063	1	-0.55113	15.4543	10.0262	No change
NM_001206335	Itfg3	-0.288546	1	-0.500067	15.2872	10.2809	No change
NM_178189	Hist1h2ac	-0.288511	1	-0.764155	3.77399	2.10218	No change
NM_008300	Hspa4	-0.288296	1	-0.363658	70.9847	52.5126	No change
NM_001145960	Slc37a2	-0.287928	1	-0.78584	1.94813	1.06813	No change
NM_175347	Srl	-0.287538	1	-0.697536	2.49203	1.45659	No change
NM_025547	Mterfd1	-0.287135	1	-0.531325	22.3694	14.7164	No change
NM_008923	Prkar1b	-0.286883	1	-1.16178	1.19156	0.490972	No change
NM_021793	Tmem8	-0.286696	1	-0.507826	11.592	7.75334	No change
NM_011499	Strap	-0.286417	1	-0.443603	29.4165	20.5815	No change
NM_001104617	Rdx	-0.285766	1	-0.568219	13.6727	8.76358	No change
NM_011760	Zfp54	-0.285652	1	-0.646604	6.21081	3.76506	No change
NM_027706	Nbas	-0.285506	1	-0.473864	7.55649	5.17609	No change
NM_001080390	Mark2	-0.285212	1	-0.482155	11.48	7.81801	No change
NM_175158	Utp20	-0.284893	1	-0.455316	7.52093	5.21909	No change
NM_028207	Dusp3	-0.28449	1	-0.499963	10.0319	6.74695	No change
NM_021422	Dnaja4	-0.283315	1	-0.448499	23.4706	16.365	No change
NM_080553	Itpr3	-0.283307	1	-0.628987	1.89931	1.1659	No change
NM_033589	Pcdhga6	-0.282898	1	-0.505873	8.68859	5.81918	No change
NM_133907	Ube3c	-0.282879	1	-0.446233	14.318	9.9991	No change
NM_001033988	Ncoa4	-0.282761	1	-0.390288	46.0296	33.4255	No change
NM_177464	D19Ert386e	-0.282569	1	-0.523904	8.51238	5.62925	No change
NM_019663	Pias1	-0.282329	1	-0.399572	35.7233	25.774	No change
NM_001038015	Gnpda2	-0.282145	1	-0.524238	18.3143	12.1084	No change
NM_008495	Lgals1	-0.282065	1	-0.649705	18.9913	11.4866	No change
NM_025820	Crnk1l	-0.282025	1	-0.480268	15.9055	10.846	No change
NM_172836	9930021J03Rik	-0.281389	1	-0.442779	9.18703	6.43131	No change
NM_019869	Rbm14	-0.281147	1	-0.541155	10.4453	6.82385	No change
NM_033134	Inpp5e	-0.280858	1	-0.459533	14.6296	10.1219	No change
NM_001109995	Eftud2	-0.28047	1	-0.436892	23.5028	16.5208	No change
NM_008775	Pafah1b2	-0.280213	1	-0.38531	40.2119	29.3021	No change
NR_033612	Gm13238	-0.279868	1	-1.39516	3.24153	1.11304	No change
NM_033574	Pcdhgb1	-0.279167	1	-0.501969	8.76972	5.88948	No change
NR_033619	Gm6623	-0.278973	1	-0.689453	4.76648	2.80173	No change
NM_025819	1200016B10Rik	-0.278763	1	-0.470159	14.4212	9.90355	No change
NM_177117	Dlec1	-0.278203	1	-0.667965	2.5822	1.5414	No change
NM_133879	Zbtb48	-0.277787	1	-0.724682	4.7276	2.70909	No change
NM_001122829	Upf1	-0.277044	1	-0.476247	10.5989	7.24753	No change
NM_009014	Rad5111	-0.276939	1	-1.17565	1.61292	0.65686	No change
NM_172724	Baat1	-0.276898	1	-0.592154	5.2595	3.314	No change
NM_133227	Nup155	-0.275857	1	-0.523575	5.01693	3.31826	No change
NM_010774	Mbd4	-0.275686	1	-0.635878	4.3947	2.68415	No change
NM_178184	Hist1h2an	-0.275181	1	-0.855772	16.4922	8.58569	No change
NM_023423	Akirin1	-0.275006	1	-0.454429	25.26	17.5388	No change
NM_212433	Fbxo3	-0.275006	1	-0.454429	12.8496	8.92187	No change

NM_178616	Psmid11	-0.274661	1	-0.65099	8.31677	5.02496	No change
NM_033593	Pcdhga10	-0.273844	1	-0.486313	9.51476	6.46024	No change
NM_009525	Wnt5b	-0.273406	1	-1.04964	1.61666	0.726691	No change
NM_134117	Pkdcc	-0.273047	1	-0.819031	2.95357	1.57975	No change
NM_001081288	Taf2	-0.272147	1	-0.415337	18.4306	13.1515	No change
NM_001177544	Hist1h2ao	-0.271886	1	-0.751603	17.8978	10.0563	No change
NM_001005916	Zbtb9	-0.271569	1	-0.548787	9.28739	6.03415	No change
NM_028142	Nsun4	-0.271067	1	-0.549436	7.30476	4.74381	No change
NM_011708	Vwf	-0.270948	1	-0.744789	1.06709	0.602533	No change
NM_019766	Ptges3	-0.27016	1	-0.382379	76.434	55.8088	No change
NM_007916	Ddx19a	-0.270154	1	-0.439792	25.8743	18.1499	No change
NM_013823	Kl	-0.270125	1	-1.47111	0.476603	0.154299	No change
NM_026343	Stx17	-0.270058	1	-0.463362	8.95294	6.1773	No change
NM_028287	Zufsp	-0.269629	1	-0.542533	11.2617	7.34916	No change
NM_029148	Tmx4	-0.269224	1	-0.422446	15.7869	11.2091	No change
NM_033577	Pcdhgb5	-0.268895	1	-0.488625	8.92353	6.04873	No change
NM_023140	Glrx3	-0.268781	1	-0.430466	44.281	31.2645	No change
NM_018888	Uqcc	-0.268241	1	-0.493455	14.4192	9.74075	No change
NM_007569	Btg1	-0.267138	1	-0.422008	15.8646	11.2675	No change
NM_172464	Daam1	-0.266983	1	-0.524324	5.07052	3.35163	No change
NM_001014981	Wdr7	-0.266894	1	-0.443596	8.64789	6.04991	No change
NM_020559	Alas1	-0.266773	1	-0.435121	24.9935	17.5891	No change
NM_001103181	Tulp4	-0.266125	1	-0.411454	10.154	7.26505	No change
NM_001114312	4930506M07Rik	-0.265739	1	-0.575805	5.10615	3.25443	No change
NR_030673	D930016D06Rik	-0.265704	1	-0.538762	6.97112	4.56115	No change
NM_025578	Mrps25	-0.264448	1	-0.409498	14.8694	10.6532	No change
NM_001014390	Dyrk2	-0.263644	1	-0.559812	10.6317	6.85323	No change
NM_020493	Srf	-0.263007	1	-0.530456	6.74283	4.4376	No change
NM_173413	Rab8b	-0.262595	1	-0.502423	7.15853	4.80521	No change
NM_008795	Cdk18	-0.26247	1	-0.707808	3.4549	2.00336	No change
NM_175684	Fchs1	-0.26247	1	-0.707808	2.48962	1.44362	No change
NM_026987	Dhx16	-0.26201	1	-0.519088	8.77843	5.82375	No change
NM_011721	Wrn	-0.26175	1	-0.44366	9.08421	6.35468	No change
NM_001033249	Zfp583	-0.261687	1	-0.979255	1.58794	0.752961	No change
NM_020557	Cmpk2	-0.261687	1	-0.979255	1.37681	0.65285	No change
NM_175089	Nek1	-0.261385	1	-0.563301	5.13217	3.29996	No change
NM_007467	Aplp1	-0.261289	1	-1.11881	1.34025	0.570246	No change
NM_001076554	Spna2	-0.260826	1	-0.358313	24.462	18.1626	No change
NM_001045533	March4	-0.260647	1	-2.20807	0.233031	0.0342923	No change
NM_008174	Grm8	-0.260647	1	-2.20807	0.26528	0.039038	No change
NM_023852	Rab3c	-0.260647	1	-2.20807	0.114802	0.016894	No change
NM_172830	Slc4a9	-0.260647	1	-2.20807	0.331308	0.0487545	No change
NM_033591	Pcdhga8	-0.260278	1	-0.474683	8.9161	6.10276	No change
NM_001004185	Whamm	-0.259633	1	-0.5808	6.33572	4.02348	No change
NM_007465	Birc2	-0.258992	1	-0.377951	42.2375	30.9341	No change
NM_001085507	Zbtb34	-0.258765	1	-0.647985	2.04793	1.23965	No change
NM_025931	Ift27	-0.258205	1	-0.623111	15.052	9.27477	No change
NM_011162	Mapk8ip1	-0.256942	1	-0.629964	4.98825	3.05858	No change
NM_172714	Lin54	-0.256831	1	-0.511465	6.78482	4.52518	No change
NM_001128609	Dedd	-0.256473	1	-0.441069	20.5789	14.4212	No change
NM_001164289	Gm6907	-0.256197	1	-1.06302	2.23543	0.993334	No change
NM_028412	Ciz1	-0.256055	1	-0.52277	10.1163	6.69349	No change
NM_025991	Kbtbd4	-0.255658	1	-0.544886	9.90205	6.45009	No change
NM_177214	Snmp200	-0.25564	1	-0.392475	14.9416	10.8326	No change
NM_023158	Cxcl16	-0.255587	1	-0.601504	6.88958	4.31098	No change
NM_198703	Wnk1	-0.255241	1	-0.337743	25.7569	19.3995	No change
NM_177721	Ranbp6	-0.255161	1	-0.451181	10.2814	7.15402	No change
NM_178363	Ylpm1	-0.254765	1	-0.422794	9.59095	6.80759	No change
NM_001170454	Tada2b	-0.254423	1	-0.474889	10.5155	7.19614	No change
NM_027541	Prpf3	-0.254077	1	-0.562308	7.67847	4.94023	No change
NM_008029	Flt4	-0.25363	1	-1.0186	0.668403	0.307377	No change
NM_028197	2510003E04Rik	-0.253261	1	-0.438927	22.4698	15.7696	No change
NM_145975	Ddx46	-0.252595	1	-0.411892	13.1818	9.42786	No change
NM_026658	Mto1	-0.252451	1	-0.676222	4.86435	2.885	No change
NM_181403	Vps37c	-0.251908	1	-0.559464	8.71522	5.61842	No change
NM_023403	Mesdc2	-0.251369	1	-0.402451	18.4472	13.281	No change
NM_173738	Zfp940	-0.251186	1	-1.13007	1.10944	0.467524	No change
NM_178930	Gbf1	-0.251135	1	-0.396545	13.9473	10.0828	No change
NM_025551	Ndufa12	-0.251085	1	-0.448803	87.582	61.0415	No change
NM_009828	Ccna2	-0.250919	1	-0.640568	4.78504	2.91148	No change
NM_001112731	C030039L03Rik	-0.250331	1	-0.750793	1.82925	1.02781	No change
NM_030132	Utp23	-0.250331	1	-0.750793	2.89093	1.62434	No change
NM_001205341	Ppfia2	-0.250214	1	-0.868867	0.887808	0.457267	No change
NM_001162919	Pgbd1	-0.249602	1	-0.743405	2.62992	1.48563	No change
NM_001164156	Mcrs1	-0.249537	1	-0.527064	14.2413	9.39358	No change
NM_033581	Pcdhgc3	-0.249457	1	-0.460691	9.221	6.37325	No change

NM_145552	Gnl2	-0.249419	1	-0.480832	15.4214	10.509	No change
NM_008146	Golga3	-0.248728	1	-0.39934	17.2894	12.4744	No change
NM_146251	Pnpla7	-0.248707	1	-0.597187	3.6145	2.2684	No change
NM_001039878	Strn4	-0.248434	1	-0.433082	15.9457	11.2365	No change
NR_004446	H2-K2	-0.248021	1	-0.5186	20.2657	13.4473	No change
NM_145970	Cc2d1a	-0.24781	1	-0.501061	9.26272	6.22276	No change
NM_020608	Cramp11	-0.247185	1	-0.427335	7.81369	5.52826	No change
NM_021328	Bin3	-0.246918	1	-0.554694	12.1468	7.85668	No change
NM_026184	Ero1lb	-0.246771	1	-0.386984	22.5733	16.4278	No change
NM_023434	Tox4	-0.246075	1	-0.402199	17.3998	12.5288	No change
NM_144912	Rad9b	-0.246037	1	-0.575105	11.5936	7.39091	No change
NM_010947	Ntn3	-0.245684	1	-1.83368	0.370101	0.0879791	No change
NM_028189	B3gnt3	-0.245684	1	-1.83368	0.861634	0.204824	No change
NM_175418	Mybpc1	-0.245684	1	-1.83368	0.462485	0.10994	No change
NM_181595	Ppp1r9a	-0.245536	1	-0.429135	5.92759	4.1885	No change
NR_033744	Cbwd1	-0.245155	1	-0.491594	15.9417	10.7811	No change
NM_025341	Abhd6	-0.244704	1	-0.802081	3.41903	1.84992	No change
NM_146235	Ercc6l	-0.244521	1	-1.02365	0.896479	0.41043	No change
NM_030265	Kcnip4	-0.242107	1	-0.688699	4.746	2.78895	No change
NM_139140	Spats2	-0.241009	1	-0.584378	8.26291	5.23258	No change
NM_017472	Snx3	-0.240877	1	-0.427046	39.933	28.2576	No change
NM_020035	Pigo	-0.240407	1	-0.490604	7.33783	4.96571	No change
NM_175656	Hist1h4i	-0.240017	1	-0.523121	45.6833	30.2137	No change
NM_172735	Zc3hc1	-0.23983	1	-0.578023	9.47099	6.02469	No change
NM_146258	Stard13	-0.239808	1	-0.609628	2.64736	1.64652	No change
NM_011211	Ptpd	-0.239652	1	-0.538222	2.651	1.73466	No change
NM_001146346	Emp3	-0.239582	1	-0.762763	9.82963	5.47326	No change
NM_001033348	Ralgapa2	-0.239498	1	-0.389446	8.7098	6.32747	No change
NM_001029993	Zc3h18	-0.239245	1	-0.523575	6.39402	4.22744	No change
NM_001172104	Zbtb25	-0.239132	1	-0.611706	8.66498	5.38112	No change
NM_008708	Nmt2	-0.238799	1	-0.553276	10.6934	6.92284	No change
NM_178879	B3gnt9-ps	-0.238773	1	-0.754355	3.41573	1.9136	No change
NM_001136065	Hipk2	-0.238214	1	-0.548704	5.21283	3.38568	No change
NM_177259	Dab1	-0.237611	1	-1.71622	0.408023	0.108466	No change
NM_011492	Stk11	-0.237408	1	-0.549521	12.5542	8.14901	No change
NM_026558	Fam92a	-0.23738	1	-0.483708	24.1245	16.4047	No change
NM_001164320	Chadl	-0.23706	1	-1.07879	1.28655	0.563951	No change
NM_018814	Pcnx	-0.236928	1	-0.38304	7.24545	5.28718	No change
NM_019811	Acss2	-0.236885	1	-0.536273	7.77373	5.09354	No change
NM_001033879	Tubal3	-0.236724	1	-3.34558	0.225106	0	No change
NM_001080963	Ppapdc1a	-0.236724	1	-3.34558	0.64056	0	No change
NM_001081299	Cdh18	-0.236724	1	-3.34558	0.253983	0	No change
NM_001085506	Magea10	-0.236724	1	-3.34558	0.382718	0	No change
NM_001099326	Gm14458	-0.236724	1	-3.34558	0.81417	0	No change
NM_001113471	Plin1	-0.236724	1	-3.34558	0.374693	0	No change
NM_001114157	Rhox3h	-0.236724	1	-2.34558	0.661851	0.0681776	No change
NM_001164594	Pdzrn4	-0.236724	1	-2.34558	0.205402	0.0211586	No change
NM_009314	Tacr2	-0.236724	1	-3.34558	0.308649	0	No change
NM_009527	Wnt7a	-0.236724	1	-3.34558	0.219436	0	No change
NM_016879	Krt85	-0.236724	1	-2.34558	0.483307	0.0497857	No change
NM_021344	Tesc	-0.236724	1	-2.34558	0.73984	0.0762112	No change
NM_023865	9530002B09Rik	-0.236724	1	-3.34558	0.844763	0	No change
NM_027150	2310046A06Rik	-0.236724	1	-2.34558	0.569387	0.0586528	No change
NM_031261	Fthl17	-0.236724	1	-3.34558	0.821851	0	No change
NM_053220	Vmn1r43	-0.236724	1	-3.34558	0.73984	0	No change
NM_130878	Cdhr1	-0.236724	1	-3.34558	0.161926	0	No change
NM_138649	Syt17	-0.236724	1	-2.34558	0.431001	0.0443976	No change
NM_144845	Ugt3a2	-0.236724	1	-3.34558	0.317363	0	No change
NM_146699	Olfrr1445	-0.236724	1	-3.34558	0.737491	0	No change
NM_172786	Ii20ra	-0.236724	1	-2.34558	0.333778	0.0343826	No change
NM_172802	Fscn2	-0.236724	1	-3.34558	0.405663	0	No change
NM_172890	Slc6a11	-0.236724	1	-3.34558	0.171404	0	No change
NM_174853	Disc1	-0.236724	1	-2.34558	0.289423	0.0298135	No change
NM_174995	Mgst2	-0.236724	1	-3.34558	1.18324	0	No change
NM_175631	Cbln4	-0.236724	1	-3.34558	0.248992	0	No change
NM_177024	Tmprss11bnl	-0.236724	1	-3.34558	0.314499	0	No change
NM_177448	Mogat2	-0.236724	1	-3.34558	0.393301	0	No change
NM_177585	lqcj	-0.236724	1	-3.34558	0.441374	0	No change
NM_212485	Krt73	-0.236724	1	-3.34558	0.323551	0	No change
NM_026937	Ascc1	-0.236463	1	-0.642041	8.33692	5.0659	No change
NM_148926	Zfand3	-0.236275	1	-0.428125	19.7867	13.9906	No change
NM_028355	Tmem48	-0.236161	1	-0.789469	2.70547	1.47707	No change
NM_025706	Tbc1d15	-0.236122	1	-0.435893	12.6698	8.90976	No change
NM_001159910	Ccdc85c	-0.234998	1	-0.989239	2.56787	1.20657	No change
NM_001113517	Arhgef7	-0.234348	1	-0.65514	2.34713	1.41281	No change
NM_199469	Nploc4	-0.234187	1	-0.349448	30.4498	22.7466	No change

NM_001204229	Clec16a	-0.233953	1	-0.543071	3.31818	2.16363	No change
NM_021889	Syt9	-0.233629	1	-1.35563	0.639217	0.225758	No change
NM_009343	Phf1	-0.2336	1	-0.52699	9.41099	6.20671	No change
NM_030197	2700078E11Rik	-0.233591	1	-0.376393	15.8645	11.6304	No change
NM_001081322	Myo5c	-0.233097	1	-1.28824	0.37269	0.138634	No change
NM_008895	Pomc	-0.233097	1	-1.28824	2.49151	0.926795	No change
NM_011089	Pira2	-0.233097	1	-1.28824	0.724292	0.269423	No change
NM_173441	lws1	-0.232677	1	-0.384442	8.47353	6.17717	No change
NM_177694	Ano5	-0.232299	1	-0.752128	1.00265	0.562524	No change
NM_021441	Taf1c	-0.231863	1	-0.60482	4.4535	2.77901	No change
NM_027643	Naa40	-0.231328	1	-0.397771	20.7908	15.0158	No change
NM_001024922	Ddx49	-0.231198	1	-0.40296	30.499	21.9475	No change
NM_021324	Ttyh1	-0.23097	1	-0.550835	4.98319	3.23133	No change
NM_172823	Lmln	-0.230718	1	-0.71622	2.153	1.23988	No change
NM_173753	Fnip1	-0.230155	1	-0.352817	19.6618	14.6531	No change
NM_172719	Gcn111	-0.229107	1	-0.373591	10.4874	7.70329	No change
NM_007578	Cacna1a	-0.229015	1	-0.787581	0.861383	0.47082	No change
NM_053009	Zfp91	-0.228784	1	-0.317973	41.1523	31.4221	No change
NM_001162917	Dennd4a	-0.228768	1	-0.495046	3.17262	2.14004	No change
NM_001145800	Igsf9	-0.227751	1	-0.566527	4.19675	2.69108	No change
NM_009032	Rbm4	-0.227676	1	-0.38091	30.8848	22.57	No change
NM_001109750	Dgcr2	-0.2274	1	-0.366966	23.5565	17.383	No change
NM_010937	Nras	-0.227359	1	-0.389702	15.9655	11.5958	No change
NM_001122998	Tiam2	-0.226953	1	-0.767501	1.17989	0.654451	No change
NM_152817	Ttc27	-0.226868	1	-0.67202	3.68236	2.18937	No change
NR_033199	1700001G17Rik	-0.226486	1	-1.88615	1.80308	0.403774	No change
NM_009690	Cd5i	-0.226413	1	-1.08778	1.53961	0.669626	No change
NM_028835	Atg7	-0.225859	1	-0.576601	5.30842	3.3795	No change
NM_008866	Lypla1	-0.224989	1	-0.432933	18.1322	12.7766	No change
NM_027186	Rpain	-0.22491	1	-0.734142	7.54844	4.29003	No change
NM_001013389	Mrs2	-0.224775	1	-0.443722	19.6236	13.7232	No change
NM_176917	Mettl4	-0.223938	1	-0.503621	11.6047	7.78014	No change
NM_025595	Mrpl51	-0.223697	1	-0.405228	37.8596	27.2	No change
NM_173443	Vcpip1	-0.223375	1	-0.381213	14.5474	10.6285	No change
NM_011131	Pold1	-0.22321	1	-0.657204	3.17526	1.908	No change
NM_026173	Poc5	-0.222831	1	-0.534008	6.70964	4.40261	No change
NM_145130	Lpcat3	-0.222734	1	-0.424565	18.6628	13.2277	No change
NM_053126	Pcdhb1	-0.222686	1	-1.22718	1.04951	0.409065	No change
NM_032543	Rnf123	-0.222015	1	-0.404517	13.1502	9.45231	No change
NM_027871	Arhgef3	-0.221592	1	-0.52306	6.02645	3.98505	No change
NM_033592	Pcdhga9	-0.221455	1	-0.44105	8.40689	5.88999	No change
NM_010898	Nf2	-0.220726	1	-0.355706	21.6717	16.1179	No change
NM_019990	Stard10	-0.220678	1	-0.348805	94.3007	70.4726	No change
NM_025346	Rmnd5b	-0.220246	1	-0.424513	23.422	16.6012	No change
NM_001038653	Slc16a3	-0.219169	1	-0.6935	3.70797	2.17022	No change
NM_010952	Oaz2-ps	-0.218688	1	-0.386758	36.0559	26.2403	No change
NM_007422	Adss	-0.21797	1	-0.354851	38.8457	28.9076	No change
NM_001081385	Pcdh11x	-0.217755	1	-2.05607	0.26446	0.0480743	No change
NM_026180	Abcg8	-0.217755	1	-2.05607	0.323976	0.0588933	No change
NM_027222	2010001M09Rik	-0.217755	1	-2.05607	1.3077	0.237718	No change
NM_028877	Paln3	-0.217755	1	-2.05607	0.483781	0.0879432	No change
NM_176971	Rab9b	-0.217755	1	-2.05607	0.315017	0.0572648	No change
NM_178625	Tmem209	-0.216969	1	-0.404461	15.79	11.3499	No change
NM_001113562	Cutc	-0.21592	1	-0.666579	7.7259	4.61043	No change
NM_001024539	Shc2	-0.215718	1	-0.90784	1.16243	0.580569	No change
NM_033584	Pcdhga1	-0.215691	1	-0.433059	8.89403	6.26608	No change
NM_020009	Mtor	-0.215292	1	-0.356375	10.8654	8.07701	No change
NM_020494	Ddx24	-0.215117	1	-0.333744	45.142	34.0908	No change
NM_016805	Hnrnpu	-0.215103	1	-0.281866	110.806	86.7556	No change
NM_054095	Necab2	-0.215055	1	-0.997177	1.87404	0.874167	No change
NM_026993	Ddah1	-0.214211	1	-0.644439	2.93875	1.78184	No change
NM_207229_2	Plac9	-0.214126	1	-0.680397	21.0161	12.4162	No change
NM_001013751	Gm52	-0.214065	1	-1.95653	0.751812	0.154889	No change
NM_027363	2010110P09Rik	-0.214065	1	-1.95653	1.19031	0.24523	No change
NM_178609	E2f7	-0.214065	1	-1.95653	0.25454	0.0524404	No change
NM_025294	Gm16515	-0.213159	1	-0.455809	7.84234	5.4374	No change
NM_009728	Atp10a	-0.212983	1	-0.434228	7.12349	5.01447	No change
NM_033586	Pcdhga3	-0.212357	1	-0.430361	8.54262	6.02977	No change
NM_001110212	Gigyf2	-0.212341	1	-0.383553	11.2361	8.19532	No change
NM_001002791	Defb22	-0.212334	1	-0.50729	35.9058	24.0069	No change
NM_019637	Styx	-0.212054	1	-0.403506	12.0956	8.69989	No change
NM_198605	F630043A04Rik	-0.211489	1	-0.886145	2.12779	1.08004	No change
NM_033587	Pcdhga4	-0.21145	1	-0.429216	8.8538	6.2544	No change
NM_177652	Ryr3	-0.211335	1	-0.532966	1.23482	0.810724	No change
NM_009884	Cebpg	-0.211235	1	-0.371296	15.5038	11.4053	No change
NM_011607	Tnc	-0.211098	1	-0.933451	0.59877	0.293231	No change

NM_181323	Cwh43	-0.211098	1	-0.933451	1.567	0.767393	No change
NM_170592	Mettl11a	-0.210943	1	-0.582277	11.9114	7.55073	No change
NM_001005511	Lmtk3	-0.209231	1	-1.74413	0.404184	0.104088	No change
NM_138628	Txlnb	-0.209231	1	-1.74413	0.437829	0.112752	No change
NM_177445	Dars	-0.20877	1	-0.337988	49.5532	37.3107	No change
NM_026487	Atad1	-0.208261	1	-0.330076	44.1248	33.4072	No change
NR_029465	Gm11149	-0.20815	1	-0.677559	7.32459	4.33561	No change
NM_026909	Thap7	-0.20804	1	-0.499896	19.6386	13.1987	No change
NM_173396	Tgif2	-0.207592	1	-0.587487	4.96915	3.13812	No change
NM_030147	Brd8	-0.206474	1	-0.347743	19.8484	14.8432	No change
NM_001111317	BC048609	-0.205437	1	-0.770668	12.3293	6.81814	No change
NM_144895	Spg20	-0.205292	1	-0.456361	8.05709	5.58374	No change
NM_001145936	Zfp691	-0.20494	1	-0.760614	4.31453	2.40361	No change
NM_052976	Ophn1	-0.20456	1	-0.495281	5.8491	3.94376	No change
NM_178187	Hist1h2ae	-0.204546	1	-0.726365	10.8895	6.22052	No change
NM_016680	Clasrp	-0.204476	1	-0.537417	8.25056	5.39932	No change
NM_011521	Sdc4	-0.204378	1	-0.411126	17.9898	12.8698	No change
NM_028866	Wdr33	-0.203973	1	-0.41613	6.78288	4.83542	No change
NR_033520	Tmem181b-ps	-0.203973	1	-0.41613	8.93727	6.37126	No change
NM_001159603	Pum1	-0.203536	1	-0.376394	11.7155	8.5875	No change
NM_023873	Cep70	-0.203357	1	-0.485607	9.43111	6.40245	No change
NR_033148	Lrch4-sap25	-0.202954	1	-0.442716	7.36617	5.15406	No change
NM_001003909	Ankib1	-0.202686	1	-0.347279	13.4009	10.0247	No change
NM_033576	Pcdhgb4	-0.202515	1	-0.417202	9.17831	6.53811	No change
NM_133255	Hook2	-0.202331	1	-0.495731	8.6284	5.8157	No change
NM_001190975	Axl	-0.202306	1	-0.372507	13.45	9.88568	No change
NM_176953	Lig4	-0.200899	1	-0.53498	4.32059	2.83223	No change
NM_001012517	Fut10	-0.200834	1	-0.935055	1.31119	0.640991	No change
NM_144920	Plekha5	-0.200411	1	-0.403544	8.90679	6.40566	No change
NM_001166590	Eif5a	-0.19924	1	-0.29422	142.288	110.448	No change
NM_033590	Pcdhga7	-0.198992	1	-0.409855	9.12485	6.53346	No change
NM_001081360	Camsap111	-0.19882	1	-0.328288	14.0312	10.636	No change
NM_026832	Cgrrf1	-0.198756	1	-0.527251	15.133	9.97429	No change
NM_027296	Trnt1	-0.198499	1	-0.392156	22.7047	16.4596	No change
NM_145617	Herc1	-0.198483	1	-0.295946	12.5803	9.75347	No change
NM_009517	Zmat3	-0.198394	1	-0.536561	2.21205	1.44837	No change
NM_001163471	Hectd2	-0.198088	1	-0.440541	6.81715	4.77702	No change
NM_008542	Smad6	-0.196974	1	-0.748642	2.32232	1.30485	No change
NM_134068	Dusp22	-0.196974	1	-0.748642	6.52136	3.66419	No change
NM_153407	Csrnp2	-0.196567	1	-0.456998	6.85781	4.75011	No change
NM_026954	Tusc1	-0.196348	1	-0.967065	2.7591	1.31582	No change
NM_001162539	Odf2l	-0.196109	1	-0.585636	5.73692	3.62707	No change
NM_013735	Trp53bp1	-0.195994	1	-0.312387	17.5204	13.4288	No change
NM_177992	Gmpr2	-0.195968	1	-0.623111	7.17693	4.41719	No change
NM_020625	Zbtb22	-0.195639	1	-0.425697	13.7675	9.74837	No change
NM_028774	Rnf6	-0.195605	1	-0.337391	27.6296	20.8112	No change
NM_178797	Far2	-0.195257	1	-0.387006	15.0177	10.9261	No change
NM_008630	Mt2	-0.194295	1	-0.431579	60.7933	42.868	No change
NM_001168540	Tsku	-0.194018	1	-0.682004	3.29844	1.94548	No change
NR_033611	Gm12669	-0.193613	1	-0.422198	35.915	25.4925	No change
NM_023831	Ift46	-0.193159	1	-0.53997	4.90795	3.20553	No change
NR_029447	E130317F20Rik	-0.192266	1	-0.530732	4.76897	3.13524	No change
NM_181585	Pik3r3	-0.191737	1	-0.343543	16.0305	12.0225	No change
NM_026861	Ubac2	-0.191667	1	-0.434349	15.0128	10.5653	No change
NM_025914	Actr6	-0.191593	1	-0.47317	14.2823	9.7801	No change
NM_021494	Dennd5a	-0.191221	1	-0.333604	18.341	13.8511	No change
NM_029936	Ddx10	-0.191088	1	-0.397791	13.0778	9.44281	No change
NM_172049	Tmem18	-0.191079	1	-0.426448	11.5919	8.2033	No change
NM_145473	Csdc2	-0.190693	1	-1.05607	1.23152	0.547803	No change
NM_001198565	Sulf1	-0.189921	1	-0.63979	2.1699	1.3194	No change
NM_018765	Wbp4	-0.189786	1	-0.371929	16.2926	11.979	No change
NM_001080964	Sp2	-0.189551	1	-0.728604	2.36754	1.34963	No change
NM_007880	Arid3a	-0.189326	1	-0.668554	1.67493	0.997471	No change
NM_010069	Doc2a	-0.189326	1	-0.668554	3.51485	2.0932	No change
NM_146206	Tpcn2	-0.189249	1	-0.737002	2.39577	1.35734	No change
NM_027498	Sik3	-0.189241	1	-0.537341	2.58286	1.69001	No change
NM_177752	Eme1	-0.189241	1	-0.537341	7.28835	4.76888	No change
NM_016876	Eif3g	-0.188585	1	-0.317333	103.495	79.0507	No change
NM_027062	C8g	-0.187718	1	-0.611285	10.8098	6.70879	No change
NM_028091	Osgep1	-0.18768	1	-0.570118	5.95275	3.80495	No change
NM_007968	Ewsr1	-0.187656	1	-0.287886	75.2393	58.6592	No change
NM_007552	Bmi1	-0.187503	1	-0.351809	19.1006	14.2423	No change
NM_133815	Lbr	-0.18695	1	-0.411892	10.5167	7.51865	No change
NM_026028	Ccdc77	-0.186368	1	-0.454299	12.3234	8.55128	No change
NM_145711	Tox	-0.186202	1	-0.846617	1.73499	0.906197	No change
NM_016852	Wbp2	-0.185599	1	-0.341297	42.437	31.876	No change

NM_153414	Ints9	-0.185261	1	-0.633026	3.78766	2.3141	No change
NM_053254	Tle6	-0.185133	1	-0.909992	2.07522	1.03322	No change
NM_146200	Eif3c	-0.184278	1	-0.260649	106.909	84.9435	No change
NM_001040691	Ung	-0.184169	1	-1.12061	1.40539	0.593927	No change
NM_175163	Zfp689	-0.183936	1	-0.636626	2.73306	1.66541	No change
NR_028359	5830417110Rik	-0.183667	1	-0.294217	15.1251	11.74	No change
NM_028751	Tjap1	-0.183247	1	-0.575059	5.06957	3.22877	No change
NM_013674	Irf4	-0.183091	1	-1.67042	0.446463	0.122641	No change
NM_133252	Tram2	-0.183091	1	-1.67042	1.50092	0.412296	No change
NM_153072	Hus1b	-0.183091	1	-1.67042	1.76289	0.484256	No change
NM_001024917	N4bp2	-0.183032	1	-0.398595	7.06536	5.0984	No change
NM_001164559	Trmt1	-0.183012	1	-0.455636	11.9437	8.27974	No change
NM_001037761	Capzb	-0.182798	1	-0.352628	39.0145	29.0738	No change
NM_001003949	ORF61	-0.182264	1	-0.381394	21.2245	15.5014	No change
NM_001110201	Yif1b	-0.180943	1	-0.416333	30.0877	21.4424	No change
NM_145947	Slc26a7	-0.180708	1	-0.752879	2.70424	1.51394	No change
NM_001033498	Gramd2	-0.180254	1	-1.77923	1.27363	0.314873	No change
NM_001195413	Cngb1	-0.180254	1	-1.77923	0.281428	0.0695761	No change
NR_024097	Gm14057	-0.180254	1	-1.77923	0.815695	0.20166	No change
NM_026836	Taf11	-0.179711	1	-0.532785	12.9103	8.47369	No change
NM_010897	Nf1	-0.179665	1	-0.315417	8.38292	6.41131	No change
NM_177660	Zbtb10	-0.17955	1	-0.381208	6.1758	4.51103	No change
NM_007917	Eif4e	-0.179352	1	-0.330652	27.882	21.0989	No change
NM_001170978	Abat	-0.179182	1	-0.40918	7.98809	5.72142	No change
NM_026189	Eepd1	-0.178756	1	-0.938613	1.43401	0.698304	No change
NM_001004435	Pik3r6	-0.178144	1	-1.18871	0.777968	0.311651	No change
NM_028022	Gatsl3	-0.178144	1	-1.18871	1.62077	0.649272	No change
NM_009010	Rad23a	-0.177729	1	-0.38091	21.842	15.9574	No change
NM_145407	Usp19	-0.177611	1	-0.350879	13.3013	9.92409	No change
NM_025994	Efh2	-0.177553	1	-0.449877	10.8301	7.5379	No change
NM_001077631	2010321M09Rik	-0.176995	1	-0.46889	7.81603	5.36755	No change
NM_020491	Ssca1	-0.175049	1	-0.567323	18.6858	11.9652	No change
NM_007497	Atf1	-0.174819	1	-0.483513	8.70788	5.91836	No change
NM_001007568	Zfp251	-0.174426	1	-0.480889	5.87244	3.99864	No change
NM_147155	Tagap1	-0.173999	1	-0.361022	22.5216	16.6842	No change
NM_020271	Pdxp	-0.173946	1	-0.910807	2.02009	1.00457	No change
NM_025695	Smc6	-0.173603	1	-0.329966	13.4211	10.1607	No change
NM_001113420	Schip1	-0.172878	1	-1.38865	1.49828	0.514463	No change
NM_177081	Ptpn7	-0.172878	1	-1.38865	0.704616	0.241943	No change
NM_018807	Plagl2	-0.172715	1	-0.489386	3.57036	2.41649	No change
NM_010424	Hfe	-0.171827	1	-0.613461	5.98987	3.71045	No change
NM_144922	Hnrnpul1	-0.171806	1	-0.265591	71.1969	56.3733	No change
NM_009681	Ap3s1	-0.171793	1	-0.433633	18.7544	13.2029	No change
NM_027009	Rfc3	-0.171778	1	-0.579306	9.866	6.26325	No change
NM_021464	Ptprt	-0.171766	1	-0.771974	0.90777	0.500945	No change
NM_001145164	Tgtp2	-0.171697	1	-0.570643	4.42848	2.82882	No change
NM_011579	Tgtp1	-0.171697	1	-0.570643	4.4411	2.83688	No change
NM_172765	Zbtb44	-0.171541	1	-0.302767	12.0097	9.26624	No change
NM_001114399	Zmym4	-0.170571	1	-0.283567	20.2277	15.817	No change
NM_145486	March2	-0.170543	1	-0.433353	8.03758	5.65943	No change
NM_030714	Dtx3	-0.170389	1	-0.381673	21.546	15.732	No change
NM_028053	Tmem38b	-0.17018	1	-0.616538	3.53215	2.18309	No change
NM_001174079	Smarca4	-0.169588	1	-0.338412	10.1626	7.64838	No change
NM_028193	Brf1	-0.16937	1	-0.365755	17.5054	12.925	No change
NM_031156	Ide	-0.169299	1	-0.255448	48.6615	38.8024	No change
NM_134046	Cenpo	-0.169283	1	-0.434489	6.22631	4.38052	No change
NM_018736	Mre11a	-0.168954	1	-0.550961	4.50081	2.91561	No change
NM_001110100	Banp	-0.168521	1	-0.696875	1.35649	0.79094	No change
NM_026450	Zfp169	-0.167799	1	-0.476057	4.84487	3.31	No change
NM_026448	Kih1	-0.1672	1	-0.393683	10.6766	7.73005	No change
NM_177128	lqcb1	-0.167187	1	-0.515307	7.10149	4.71851	No change
NM_025905	Ttc23	-0.166972	1	-0.44842	10.2307	7.12732	No change
NM_013753	X99384	-0.166885	1	-0.595803	2.54378	1.59573	No change
NM_145940	Wipi1	-0.166475	1	-0.5114	9.01367	6.00563	No change
NM_011078	Phf2	-0.166246	1	-0.374855	8.14851	5.97803	No change
NM_019656	Tspan6	-0.165787	1	-0.342603	33.4827	25.1248	No change
NM_172739	Grf1	-0.164411	1	-0.27583	17.3215	13.6174	No change
NM_023668	Ndel1	-0.16439	1	-0.329158	28.6139	21.6739	No change
NM_030135	8030411F24Rik	-0.164228	1	-1.60861	3.71077	1.07507	No change
NM_023503	Ing2	-0.164125	1	-0.547865	4.75686	3.08806	No change
NM_010364	Gtf2h4	-0.163587	1	-0.554939	7.9933	5.1629	No change
NM_026201	Ccar1	-0.162895	1	-0.290668	24.8081	19.3024	No change
NM_019413	Robo1	-0.162653	1	-0.757821	0.782756	0.436362	No change
NM_153140	Rab11fip3	-0.162595	1	-0.388646	11.2071	8.1426	No change
NM_026748	Ints1	-0.162519	1	-0.349373	7.44645	5.5612	No change
NM_015796	Fbxo17	-0.162268	1	-1.13407	1.31028	0.547187	No change

NM_030159	Troap	-0.162268	1	-1.13407	1.13797	0.475227	No change
NM_175407	Sobp	-0.162268	1	-1.13407	0.517799	0.216238	No change
NM_145416	Kri1	-0.162212	1	-0.400286	12.769	9.20185	No change
NM_175160	Zdhhc1	-0.162205	1	-0.466291	10.1112	6.95541	No change
NM_027816	Cyp2u1	-0.162188	1	-0.91168	1.6743	0.831556	No change
NM_001110017	Dzip3	-0.161747	1	-0.34512	9.51621	7.12809	No change
NM_001142441	Gm10094	-0.161604	1	-0.392207	45.2691	32.8082	No change
NM_181407	Me3	-0.1614	1	-1.07377	0.637922	0.279278	No change
NM_027911	Raver1	-0.160904	1	-0.417828	8.31943	5.92176	No change
NM_001163475	Zfp746	-0.160321	1	-0.461647	5.78388	3.99166	No change
NM_009911	Cxcr4	-0.160304	1	-0.977293	1.84414	0.870673	No change
NM_015767	Ttpa	-0.160304	1	-0.977293	1.09573	0.517328	No change
NM_172894	Ppp6r1	-0.160093	1	-0.262771	44.9247	35.64	No change
NM_033327	Zfp423	-0.159846	1	-0.557819	2.54229	1.6386	No change
NM_026508	Trap1	-0.159178	1	-0.289867	46.2091	35.9736	No change
NM_177324	Sbf2	-0.159089	1	-0.258276	25.4526	20.2554	No change
NM_016796	Vamp4	-0.158527	1	-0.457168	8.47766	5.86917	No change
NM_176962	Zfp944	-0.15827	1	-0.440081	8.61148	6.03415	No change
NM_015753	Zeb2	-0.157893	1	-0.420734	3.00552	2.1349	No change
NM_018877	Setdb1	-0.157394	1	-0.315999	15.7269	12.0221	No change
NM_010166	Eya3	-0.157337	1	-0.40541	5.89844	4.23521	No change
NM_011914	Whsc2	-0.157269	1	-0.463766	9.44934	6.51135	No change
NM_133992	Pan2	-0.157145	1	-0.461458	4.66294	3.21838	No change
NM_133716	Smcp2	-0.157072	1	-0.431795	8.66064	6.10409	No change
NM_146155	Ahdc1	-0.15697	1	-0.407413	4.54978	3.26224	No change
NM_172422	Fastkd2	-0.15682	1	-0.452845	6.80621	4.72633	No change
NM_007684	Cetn3	-0.156608	1	-0.391858	33.4361	24.2374	No change
NM_019982	Sez6l	-0.156169	1	-0.863425	0.713383	0.367429	No change
NM_172737	Shisa7	-0.156169	1	-0.863425	0.719321	0.370488	No change
NM_011894	Sh3bp5	-0.156035	1	-0.425665	10.5399	7.46069	No change
NM_145374	Mios	-0.155368	1	-0.372078	10.7061	7.8691	No change
NM_001033448	Gm962	-0.155349	1	-0.52435	4.64319	3.06482	No change
NM_175770	Taf7	-0.155289	1	-0.439538	7.13392	5.00058	No change
NM_153417	Trpm6	-0.155081	1	-0.588944	1.62749	1.02574	No change
NM_001110142	Cul4b	-0.154634	1	-0.30581	15.7691	12.1403	No change
NM_015830	Solh	-0.154558	1	-0.506652	4.76913	3.1878	No change
NM_145929	Gga1	-0.154403	1	-0.471108	6.31693	4.33017	No change
NM_009250	Serpini1	-0.154383	1	-0.843076	1.44591	0.756177	No change
NM_029012	Sppl3	-0.154263	1	-0.429631	8.88171	6.26929	No change
NM_178627	Poldip3	-0.153782	1	-0.289633	30.2239	23.5326	No change
NM_026696	0610030E20Rik	-0.153414	1	-0.41193	6.09099	4.35332	No change
NM_175277	Bola3	-0.15335	1	-0.54845	23.8008	15.4418	No change
NM_001002272	Tro	-0.153143	1	-0.754901	0.874983	0.488669	No change
NM_009628	Adnp	-0.153102	1	-0.263101	30.2766	24.0133	No change
NM_001081109	Lmtk2	-0.152921	1	-0.374212	4.68971	3.44179	No change
NM_178051	Mterfd2	-0.15247	1	-0.433955	7.23209	5.08925	No change
NM_026255	Slc25a26	-0.152243	1	-0.793036	2.68748	1.45901	No change
NM_001048176	Cerkl	-0.152091	1	-1.82474	0.871657	0.204068	No change
NM_010790	Melk	-0.152091	1	-1.82474	0.526165	0.123183	No change
NM_001001983	Pi4ka	-0.151777	1	-0.260127	23.7656	18.8882	No change
NM_001159383	Gjc1	-0.150993	1	-0.66193	3.94821	2.36035	No change
NM_153060	Spns2	-0.150993	1	-0.66193	2.4084	1.43981	No change
NM_001083114	Pphln1	-0.150398	1	-0.405173	7.71481	5.54002	No change
NM_172405	Fam175a	-0.150264	1	-0.531862	5.38245	3.53353	No change
NM_001035532	Akap2	-0.150168	1	-0.406218	4.20402	3.01669	No change
NM_008420	Kcnb1	-0.149811	1	-0.912617	1.01167	0.501765	No change
NM_001033228	Itga1	-0.149649	1	-0.344544	8.12036	6.08459	No change
NM_173189	Mcp1	-0.148656	1	-0.521989	3.03275	2.00499	No change
NM_028800	Stk40	-0.148556	1	-0.406823	8.04837	5.77276	No change
NM_009023	Rapsn	-0.148522	1	-1.6935	1.16155	0.310208	No change
NR_027966	4930429B21Rik	-0.148522	1	-1.6935	0.964979	0.257711	No change
NM_138953	Eil2	-0.148328	1	-0.328755	15.4512	11.7061	No change
NM_026283	Samd8	-0.147667	1	-0.313306	9.51218	7.28478	No change
NM_008033	Fnta	-0.14712	1	-0.302972	39.8298	30.7239	No change
NM_019840	Pde4b	-0.14705	1	-0.539342	2.91782	1.90523	No change
NM_029786	Pomgnt1	-0.146507	1	-0.388646	12.183	8.85057	No change
NM_172958	Mttr12	-0.145831	1	-0.386574	7.14206	5.19603	No change
NM_010434	Hpk3	-0.145398	1	-0.239176	27.0181	21.7882	No change
NM_001013405	D9Ert402e	-0.145268	1	-0.528593	4.38017	2.88203	No change
NM_024451	Sun1	-0.145172	1	-0.31969	14.8115	11.2926	No change
NM_001114097	Smarcc2	-0.145087	1	-0.357897	8.28972	6.15351	No change
NM_001134791	Osbpl9	-0.145045	1	-0.26348	41.1791	32.6512	No change
NM_175937	Cpeb2	-0.143981	1	-0.307059	10.0408	7.72308	No change
NM_028860	Mttr3	-0.14398	1	-0.282467	16.6064	12.9942	No change
NM_023854	Arfgap2	-0.143943	1	-0.337902	14.5306	10.9382	No change
NM_033585	Pcdhga2	-0.143633	1	-0.356007	9.04764	6.72496	No change

NM_001164231	Pwvwp2a	-0.143433	1	-0.453559	4.84924	3.3652	No change
NM_001007220	Adam22	-0.143268	1	-0.751844	2.03282	1.13749	No change
NM_011908	Ubl3	-0.143015	1	-0.259917	49.2058	39.1122	No change
NM_172289	Slc36a4	-0.14278	1	-0.841751	2.26673	1.18602	No change
NM_007523	Bak1	-0.142762	1	-0.619359	4.42108	2.72533	No change
NM_009458	Ube2b	-0.142322	1	-0.288244	40.0119	31.1826	No change
NM_001039554	Angptl7	-0.141861	1	-0.776521	2.5349	1.39265	No change
NM_001025246	Trp53i11	-0.141858	1	-0.44686	7.69712	5.36679	No change
NM_146207	Cul4a	-0.141677	1	-0.32141	15.6218	11.8959	No change
NM_027937	Caskin1	-0.141103	1	-0.663753	1.20783	0.720933	No change
NM_001136082	Timeless	-0.141009	1	-0.945039	0.766372	0.370555	No change
NM_029153	Scamp1	-0.140827	1	-0.25946	35.5069	28.2322	No change
NM_009498	Vamp3	-0.139903	1	-0.316038	27.8442	21.2827	No change
NM_001081111	Tmf1	-0.139513	1	-0.211147	50.6895	41.6813	No change
NM_139228	Rhbdl3	-0.13943	1	-1.20807	0.629031	0.247752	No change
NR_033565	BB019430	-0.138586	1	-1.03054	2.1647	0.978968	No change
NM_173744	2610019F03Rik	-0.138528	1	-0.32841	20.656	15.6524	No change
NM_144525	Tmem214	-0.138497	1	-0.337746	16.7798	12.6323	No change
NM_001038708	Cdc42se1	-0.138392	1	-0.444277	22.5614	15.759	No change
NM_025389	Anapc11	-0.138251	1	-0.483545	5.00736	3.40168	No change
NM_172748	Fbxl19	-0.137683	1	-0.432573	6.39704	4.50536	No change
NM_001002004	2610507B11Rik	-0.137125	1	-0.216873	37.3325	30.576	No change
NM_011800	Cdh20	-0.136783	1	-2.10854	0.24342	0.0385766	No change
NM_028292	Ppme1	-0.136628	1	-0.322916	22.3454	16.9975	No change
NM_053092	Kars	-0.136355	1	-0.285595	40.7387	31.807	No change
NM_025555	2410004B18Rik	-0.136037	1	-0.631216	8.43463	5.15422	No change
NM_145421	Fam108a	-0.135891	1	-0.32758	33.8765	25.6849	No change
NM_025504	Atp5sl	-0.135813	1	-0.460137	7.614	5.25886	No change
NM_144932	Acsf3	-0.135806	1	-0.589163	4.38936	2.76494	No change
NM_172555	Papolg	-0.135517	1	-0.381353	8.20244	5.98894	No change
NR_038037	E130307A14Rik	-0.135113	1	-0.682612	4.10451	2.41604	No change
NM_011762	Zfp59	-0.134605	1	-0.418564	6.16882	4.38765	No change
NM_011352	Sema7a	-0.133993	1	-0.580337	3.04308	1.92904	No change
NM_011701	Vim	-0.133752	1	-0.401815	14.2502	10.2559	No change
NM_001081557	Camta1	-0.133386	1	-0.59186	1.12195	0.705333	No change
NM_177030	Dock6	-0.132822	1	-0.443435	3.00657	2.10122	No change
NM_001013360	Npcd	-0.132476	1	-0.495125	3.20934	2.16219	No change
NM_029673	Immt	-0.132134	1	-0.269064	34.8718	27.5416	No change
NM_133726	St13	-0.132097	1	-0.230162	113.777	92.328	No change
NM_001172481	Aspn	-0.1319	1	-0.760614	2.26935	1.26111	No change
NM_007607	Car4	-0.131793	1	-0.861898	3.10938	1.60149	No change
NM_001033173	Usp31	-0.131714	1	-0.335671	4.33274	3.26643	No change
NM_016893	Fut8	-0.131168	1	-0.356265	11.9696	8.89446	No change
NM_199009	Fam160a2	-0.131059	1	-0.374122	9.23518	6.7771	No change
NM_020610	Nrip3	-0.130338	1	-0.787965	1.24674	0.678831	No change
NM_177857	Dennd2c	-0.130338	1	-0.787965	0.980801	0.53403	No change
NM_001159589	Sirt1	-0.130294	1	-0.350183	10.069	7.51411	No change
NM_178907	Mapkapk3	-0.129275	1	-0.705573	2.20265	1.2747	No change
NM_133834	Hnrnpf	-0.129179	1	-0.200106	161.425	133.758	No change
NM_028930	Tmc5	-0.12914	1	-0.3667	11.2462	8.29585	No change
NM_145471	Lrrc14	-0.12873	1	-0.445018	8.35581	5.83282	No change
NM_019674	Ppp4c	-0.128671	1	-0.31098	41.1774	31.5837	No change
NM_008260	Foxa3	-0.128001	1	-1.88615	0.649419	0.140836	No change
NM_173404	Bmp3	-0.128001	1	-1.88615	0.425503	0.0922763	No change
NM_001081199	Mamdc4	-0.127416	1	-0.714379	1.50215	0.863651	No change
NM_007772	Hivep1	-0.12738	1	-0.354341	4.10052	3.0511	No change
NM_001114098	1110012J17Rik	-0.12645	1	-0.509378	1.81941	1.21329	No change
NM_001177774	Fbxw7	-0.125774	1	-0.352207	8.84637	6.59215	No change
NM_146173	Tspan33	-0.125621	1	-0.723874	2.95279	1.68575	No change
NM_026033	Gatad1	-0.12548	1	-0.272796	32.5617	25.6497	No change
NM_016843	Atxn10	-0.125145	1	-0.337877	16.755	12.6115	No change
NM_001081213	Ermp1	-0.124527	1	-0.31296	9.52238	7.29356	No change
NM_145991	Cdc73	-0.12391	1	-0.398417	9.29066	6.70192	No change
NM_023440	Tmem86b	-0.123843	1	-0.685847	5.30396	3.11368	No change
NM_001037711	Cgn	-0.123555	1	-0.298916	11.7169	9.06293	No change
NM_145148	Frm4b	-0.123187	1	-0.387397	5.32155	3.86863	No change
NM_175647	Dmrta1	-0.123181	1	-0.604002	2.12176	1.32196	No change
NM_001024806	Cebpz	-0.123053	1	-0.306123	13.3164	10.2483	No change
NM_013917	Pttg1	-0.122973	1	-0.352765	20.7017	15.4202	No change
NM_001039198	Zfhx2	-0.122333	1	-0.745283	0.615126	0.345624	No change
NM_134048	Cbl1	-0.121941	1	-0.562256	5.47641	3.51613	No change
NM_145506	Epb4.115	-0.121809	1	-0.322766	6.95859	5.29334	No change
NM_146241	Trhde	-0.121762	1	-1.34558	0.389754	0.138011	No change
NR_029458	A530088E08Rik	-0.121762	1	-1.34558	1.24244	0.439945	No change
NM_001024952	Rc3h1	-0.121299	1	-0.264772	7.91807	6.27217	No change
NM_007636	Cct2	-0.121059	1	-0.202741	134.271	111.053	No change

NM_001142727	1110065P20Rik	-0.121035	1	-0.358214	43.1694	32.0327	No change
NM_008398	Itga7	-0.120896	1	-0.757412	1.2829	0.714338	No change
NM_145359	Fam100a	-0.120809	1	-0.441582	13.3251	9.3235	No change
NM_139309	Fktn	-0.120712	1	-0.392273	7.50095	5.43421	No change
NM_010481	Hspa9	-0.120344	1	-0.198209	95.1462	78.9417	No change
NM_177372	Dna2	-0.12028	1	-0.886145	0.8961	0.45283	No change
NM_178878	Hadha	-0.119582	1	-0.216523	48.994	40.1356	No change
NM_001033331	Gas2l3	-0.118649	1	-0.785216	0.702612	0.383169	No change
NM_019499	Mad2l1	-0.117976	1	-0.646194	4.20178	2.5387	No change
NM_001171512	Obscn	-0.11786	1	-1.0956	0.103877	0.0445851	No change
NM_175290	Nlrp4f	-0.11786	1	-1.0956	0.711354	0.30532	No change
NR_015502	E030003E18Rik	-0.11786	1	-1.0956	2.31239	0.992502	No change
NM_001081679	Tomt	-0.117832	1	-0.838839	3.0481	1.59654	No change
NM_181397	Rftn1	-0.117832	1	-0.838839	1.46748	0.76864	No change
NM_026493	Cspp1	-0.117776	1	-0.361326	7.17098	5.3093	No change
NM_178923	Scaf4	-0.116583	1	-0.388315	6.05083	4.39572	No change
NM_018868	Nop58	-0.116353	1	-0.397107	12.027	8.68322	No change
NM_145837	Ii17d	-0.116009	1	-1.97361	0.91251	0.176246	No change
NM_176942	Gabra5	-0.116009	1	-1.97361	0.417011	0.0805433	No change
NM_176963	Galm	-0.115733	1	-0.474467	6.64334	4.5409	No change
NM_173785	A230051G13Rik	-0.115547	1	-0.599841	2.11296	1.32021	No change
NM_001081266	Ccdc142	-0.115285	1	-0.55826	3.20735	2.06494	No change
NM_001160039	Ndufs1	-0.114539	1	-0.246747	36.8474	29.5564	No change
NM_001145452	Arhgef33	-0.114231	1	-0.681787	1.94482	1.14478	No change
NM_009353	Terf2	-0.113983	1	-0.40798	8.16224	5.84784	No change
NM_146055	2610301G19Rik	-0.113908	1	-0.281091	17.4232	13.6449	No change
NM_027405	1700020O03Rik	-0.113612	1	-0.34134	9.05172	6.79624	No change
NM_028611	2410091C18Rik	-0.113609	1	-0.467833	6.62734	4.55123	No change
NM_153416	Aaas	-0.113479	1	-0.423473	10.8224	7.6693	No change
NM_018748	Golga4	-0.113444	1	-0.183449	47.2916	39.6414	No change
NM_026483	Mphosph10	-0.113249	1	-0.373771	12.4384	9.12873	No change
NM_027204	Mrpl12	-0.112912	1	-0.435752	19.1674	13.4655	No change
NM_172265	Eif2b5	-0.112471	1	-0.337638	14.1785	10.6731	No change
NM_026053	Gemin6	-0.112415	1	-0.560159	9.04853	5.81732	No change
NM_001077695	Ncoa2	-0.112397	1	-0.224611	17.5582	14.3026	No change
NM_001001980	Limch1	-0.111923	1	-0.458562	2.5871	1.78835	No change
NM_011372	St6galnac3	-0.111828	1	-1.72265	0.430536	0.110874	No change
NM_009212	Ighmbp2	-0.111418	1	-0.552408	1.81688	1.17457	No change
NM_173760	Ppip5k2	-0.111395	1	-0.26031	14.5147	11.533	No change
NM_001111291	Caprin1	-0.11095	1	-0.195438	69.4367	57.7211	No change
NM_027259	Polr2i	-0.109083	1	-0.641908	10.3024	6.24269	No change
NM_153530	Dis3l2	-0.108886	1	-0.43278	5.76877	4.06104	No change
NM_001081223	Rbbp8	-0.108356	1	-0.400068	6.46593	4.65819	No change
NM_145227	Oas2	-0.108306	1	-0.915893	0.865751	0.427327	No change
NM_033618	Supt16h	-0.108275	1	-0.209537	38.2372	31.4755	No change
NM_001048146	Azi2	-0.107651	1	-0.381276	9.6473	7.0427	No change
NM_029086	5830415F09Rik	-0.107632	1	-0.546659	6.53092	4.23926	No change
NM_013822	Jag1	-0.106597	1	-0.358547	5.30341	3.93393	No change
NM_172882	Wdfy3	-0.106508	1	-0.222219	9.25041	7.54768	No change
NR_028385	Gm10190	-0.106416	1	-0.782309	2.72819	1.49032	No change
NM_001024135	Kbtbd7	-0.10629	1	-0.311253	9.57354	7.34082	No change
NM_178242	Tnrc18	-0.105803	1	-0.38054	3.97475	2.9031	No change
NM_008575	Mdm4	-0.105546	1	-0.226137	34.8864	28.3873	No change
NM_001167918	D830031N03Rik	-0.105347	1	-0.355369	3.55551	2.64325	No change
NM_010847	Mxi1	-0.104814	1	-0.293321	10.1973	7.9177	No change
NM_023625	Pldb2	-0.10476	1	-0.301183	13.0856	10.1047	No change
NM_178785	Rasal3	-0.104379	1	-0.837236	1.08036	0.566206	No change
NM_027727	Dym	-0.104199	1	-0.423279	7.50236	5.31677	No change
NM_134025	Pex12	-0.103587	1	-0.39551	8.05329	5.82018	No change
NM_011580	Thbs1	-0.102904	1	-0.527691	1.86184	1.22498	No change
NM_146218	Rfwd3	-0.102856	1	-0.246234	19.5134	15.6573	No change
NM_001045864	Rdbp	-0.102798	1	-0.333604	21.384	16.1418	No change
NM_011811	Farsb	-0.102639	1	-0.277504	27.6222	21.6855	No change
NM_172965	Sap130	-0.102541	1	-0.381673	5.95384	4.34501	No change
NM_001077595	Shroom3	-0.102302	1	-0.326129	5.3453	4.05611	No change
NM_138755	Phf21a	-0.102277	1	-0.389383	3.57936	2.598	No change
NM_145568	Krcc1	-0.101907	1	-0.252358	45.1072	36.0392	No change
NM_134089	Scrib	-0.101857	1	-0.206509	28.9476	23.8786	No change
NM_023456	Npy	-0.101459	1	-0.685232	10.9974	6.4546	No change
NM_001164561	Exosc1	-0.0998385	1	-0.478602	8.92665	6.08236	No change
NM_009504	Vdr	-0.099631	1	-0.738047	1.16849	0.65954	No change
NM_028925	Polr3c	-0.0995328	1	-0.389777	12.3398	8.95389	No change
NM_029320	Pibf1	-0.0994452	1	-0.394085	6.58365	4.76265	No change
NM_008452	Klf2	-0.0993388	1	-1.04661	1.41996	0.63252	No change
NM_026849	Mtmt14	-0.0992837	1	-0.516622	4.16699	2.76325	No change
NM_001113419	Iqj-schip1	-0.0990526	1	-0.99577	1.163	0.539106	No change

NM_153394	Gpr156	-0.0990526	1	-0.99577	0.608274	0.281963	No change
NM_025822	Rsrc1	-0.0988368	1	-0.32591	10.9758	8.32971	No change
NM_010830	Msh6	-0.0979947	1	-0.317124	8.90984	6.80355	No change
NM_001167944	Zkscan5	-0.0970166	1	-0.343916	8.43405	6.32033	No change
NM_028868	Cxxc1	-0.0968457	1	-0.41546	7.30718	5.20676	No change
NM_028283	Uaca	-0.0961356	1	-0.370757	5.55592	4.08567	No change
NM_001159595	Ints8	-0.0959697	1	-0.2831	11.0143	8.61307	No change
NM_207541	Zfp81	-0.0956323	1	-0.464018	6.24855	4.30172	No change
NM_173741	Wdr24	-0.0953381	1	-0.358821	8.59074	6.37061	No change
NR_027957	Ppp4r1l-ps	-0.0951957	1	-0.413076	4.1666	2.97388	No change
NM_007983	Faf1	-0.0951066	1	-0.339863	6.92366	5.20318	No change
NM_001037865	Col28a1	-0.0939582	1	-0.673151	1.4334	0.848593	No change
NM_178577	Tmem205	-0.0932755	1	-0.264822	77.5944	61.4567	No change
NM_133240	Acot8	-0.0929161	1	-0.512528	9.56688	6.36201	No change
NM_029377	Lin37	-0.092908	1	-0.506953	11.3129	7.55316	No change
NM_001042499	Rabl3	-0.0925211	1	-0.564217	4.37735	2.80489	No change
NM_016813	Nxf1	-0.0924514	1	-0.293711	19.5592	15.1817	No change
NM_177771	Kihl18	-0.0918958	1	-0.471108	2.93849	2.01268	No change
NR_002888	Vmn2r-ps14	-0.0915571	1	-0.274608	14.3027	11.2508	No change
NM_145742	Dhx35	-0.0914584	1	-0.614066	2.28751	1.41383	No change
NR_027289	Uckl1os	-0.0909181	1	-0.886145	7.7967	3.93375	No change
NM_001081164	Otud4	-0.0906673	1	-0.204035	18.6603	15.4188	No change
NM_001205044	Jarid2	-0.0906491	1	-0.323118	5.96139	4.53283	No change
NM_145952	Tbc1d12	-0.090399	1	-0.400718	4.6197	3.32603	No change
NM_153404	Liph	-0.0902803	1	-1.16625	1.12408	0.45615	No change
NM_176840	Osbp11	-0.0899101	1	-0.320865	7.56895	5.76424	No change
NM_001037247	Defb36	-0.089741	1	-0.519363	22.4864	14.8798	No change
NM_013539	Spsb2	-0.089741	1	-0.519363	8.9259	5.90647	No change
NM_021305	Sec61a2	-0.0896421	1	-0.287467	19.4752	15.1825	No change
NM_013549	Hist2h2aa1	-0.0896411	1	-0.232596	150.117	121.598	No change
NM_008881	Plxna1	-0.0886013	1	-0.251052	7.48888	5.98855	No change
NM_025992	Herc6	-0.0885869	1	-0.431243	3.04964	2.1487	No change
NM_010432	Hipk1	-0.0885043	1	-0.181353	25.1186	21.0851	No change
NM_016750	H2afz	-0.0880932	1	-0.216833	111.203	91.0703	No change
NM_030703	Cpn1	-0.0878691	1	-0.589752	4.39715	2.76582	No change
NM_175930	Rapgef5	-0.0878691	1	-0.589752	1.97525	1.24243	No change
NM_009431	Ctr9	-0.0877343	1	-0.275751	11.8316	9.29944	No change
NM_026813	Ppp6r2	-0.0871883	1	-0.347423	7.78581	5.81978	No change
NM_007924	Eil	-0.0870754	1	-0.406977	5.94141	4.25859	No change
NM_172730	C130022K22Rik	-0.0870009	1	-0.492609	6.66387	4.4946	No change
NM_001001176	Taf9b	-0.0862287	1	-0.408667	6.98818	5.00286	No change
NM_133805	Cops8	-0.0857059	1	-0.352361	14.0672	10.4784	No change
NM_181858	Cd59b	-0.0855843	1	-1.2301	2.80173	1.08228	No change
NM_011695	Vdac2	-0.0853129	1	-0.191	94.1819	78.5295	No change
NM_019687	Slc22a4	-0.0852427	1	-1.64103	0.801777	0.222361	No change
NM_177235	Bend6	-0.0852427	1	-1.64103	0.790583	0.219257	No change
NM_026107	Zkscan6	-0.084983	1	-0.395557	8.41644	6.08134	No change
NM_134034	Smek2	-0.0848673	1	-0.205978	23.4538	19.3532	No change
NM_134136	Fbxo38	-0.0847423	1	-0.198784	30.6471	25.4158	No change
NM_001081255	Lrch3	-0.0843045	1	-0.277166	8.17285	6.41727	No change
NM_144954	Ppil2	-0.084192	1	-0.234068	36.0558	29.1753	No change
NM_172254	Dph3	-0.0841886	1	-0.29542	13.4487	10.4259	No change
NM_009125	Atxn2	-0.0837513	1	-0.363135	5.29866	3.91704	No change
NM_178050	Ati2	-0.0836924	1	-0.290886	12.4873	9.71127	No change
NM_001177758	Pfkfb3	-0.083592	1	-0.29461	8.72846	6.77041	No change
NM_009186	Tra2b	-0.083232	1	-0.215581	47.1366	38.636	No change
NM_019571	Tspan5	-0.0830676	1	-0.366367	7.2725	5.36395	No change
NM_019652	Asna1	-0.0829749	1	-0.265971	42.7168	33.8042	No change
NM_028319	Zfp518a	-0.0827727	1	-0.238041	10.7698	8.69049	No change
NM_026002	Mtdh	-0.0826207	1	-0.23245	21.4571	17.382	No change
NM_001199203	Spag9	-0.0819069	1	-0.210927	14.3044	11.7628	No change
NM_026698	Tmem129	-0.0813924	1	-0.340984	12.1435	9.11784	No change
NM_013550	Hist1h3a	-0.0812354	1	-0.707808	9.78833	5.64648	No change
NM_153552	Thoc1	-0.080885	1	-0.31095	8.91274	6.83458	No change
NM_026068	Med31	-0.0804024	1	-0.493406	9.7246	6.55456	No change
NM_001164423	Pqjc1	-0.0803647	1	-0.552902	2.69862	1.74293	No change
NM_023200	Ppp1r7	-0.0802991	1	-0.358214	6.54385	4.85419	No change
NM_013625	Pafah1b1	-0.0802265	1	-0.163496	45.2745	38.4785	No change
NM_025910	Mina	-0.0798596	1	-0.440519	6.77795	4.74375	No change
NR_037971	LOC100503197	-0.0797818	1	-0.504058	4.09333	2.73802	No change
NM_213729	Inca1	-0.0794372	1	-0.515962	8.354	5.54052	No change
NM_023731	Ccdc86	-0.0793872	1	-0.522455	3.2955	2.17548	No change
NM_001005331	Eif4g1	-0.0791671	1	-0.17409	35.7506	30.1613	No change
NM_025570	Mrpl20	-0.0787167	1	-0.348049	38.1477	28.5005	No change
NM_010219	Fkbp4	-0.0786849	1	-0.145437	178.269	153.421	No change
NM_001001184	Ccdc111	-0.0785938	1	-0.344135	6.86467	5.14278	No change

NM_030074	Zfp687	-0.0781955	1	-0.285346	9.07272	7.083	No change
NM_138605	Ppp1r3f	-0.0780201	1	-0.956535	0.858597	0.409864	No change
NM_015751	Abce1	-0.077659	1	-0.192152	34.9836	29.1457	No change
NM_152825	Usp45	-0.0776203	1	-0.344605	4.29272	3.21488	No change
NM_001146707	Nap1l1	-0.0773894	1	-0.257899	13.9421	11.0953	No change
NM_001033150	Plekhm2	-0.0771602	1	-0.263875	12.4277	9.84889	No change
NM_024200	Mfn1	-0.0768377	1	-0.327954	6.39865	4.84839	No change
NM_025588	Exoc2	-0.0767687	1	-0.234324	16.8083	13.5981	No change
NM_013481	Bop1	-0.076636	1	-0.271696	19.0558	15.0193	No change
NM_019419	Arl6ip1	-0.0766094	1	-0.180581	75.4708	63.3845	No change
NM_001159536	Adcy3	-0.0765968	1	-0.554939	1.83638	1.18421	No change
NM_172463	Sned1	-0.076192	1	-0.684511	1.23061	0.722082	No change
NM_025358	Ndufa9	-0.0756166	1	-0.227532	57.9896	47.1366	No change
NM_029101	Rrp7a	-0.0751037	1	-0.259691	26.926	21.401	No change
NM_173426	Fam110b	-0.0748669	1	-0.886145	1.64189	0.827665	No change
NM_016881	Pmm2	-0.0747147	1	-0.350235	13.459	10.0396	No change
NM_001081340	Setd2	-0.0744695	1	-0.179324	18.9632	15.9402	No change
NM_029612	Slamf9	-0.0741553	1	-0.577041	6.81713	4.32627	No change
NM_001034906	Trim43a	-0.0737971	1	-1.76061	0.797141	0.195509	No change
NM_001081662	C86695	-0.0737971	1	-1.76061	0.775597	0.190225	No change
NM_018732	Scn3a	-0.0737971	1	-1.76061	0.153091	0.0375476	No change
NM_172610	Mpped1	-0.0737971	1	-1.76061	0.449632	0.110278	No change
NM_001145979	Gtpbp2	-0.0735969	1	-0.284022	13.8863	10.8507	No change
NM_001033172	Rab11fip2	-0.0732217	1	-0.213107	16.9954	13.9541	No change
NM_008861	Pkd2	-0.0730355	1	-0.37553	3.89114	2.85125	No change
NM_007672	Cdr2	-0.0727645	1	-0.283905	16.0087	12.5101	No change
NM_201352	Gdpd5	-0.0720744	1	-1.05607	0.680785	0.300548	No change
NR_038005	4933413J09Rik	-0.0720744	1	-1.05607	0.720181	0.317941	No change
NM_023248	Sbds	-0.0717645	1	-0.235169	44.9069	36.3081	No change
NM_001103166	Pcbp2	-0.0715823	1	-0.265713	17.1281	13.5562	No change
NM_013885	Clic4	-0.0715801	1	-0.217508	20.3728	16.6759	No change
NM_133735	Ptcd1	-0.07062	1	-0.273168	13.5965	10.7051	No change
NM_172536	Zfp609	-0.0696227	1	-0.321018	3.36085	2.55889	No change
NM_021499	Wdr8	-0.0688523	1	-0.756862	2.74416	1.52556	No change
NM_011091	Pira4	-0.0688289	1	-1.30118	1.01574	0.371274	No change
NM_011094	Pira7	-0.0688289	1	-1.30118	1.00022	0.365602	No change
NM_175452	Gjc2	-0.0688289	1	-1.30118	0.986071	0.360429	No change
NM_027807	Cul5	-0.0688045	1	-0.210962	14.4523	11.8837	No change
NM_010292	Gck	-0.0686118	1	-0.608611	3.04228	1.88671	No change
NM_145529	Cstf3	-0.0684504	1	-0.459135	4.37414	3.02066	No change
NM_001025427	Hmga1	-0.0683243	1	-0.356324	13.2412	9.83438	No change
NM_001166476	Hmga1-rs1	-0.0683243	1	-0.356324	13.9037	10.3264	No change
NM_008672	Nap1l4	-0.0683136	1	-0.198189	45.4851	37.7351	No change
NM_028411	Tmem138	-0.0682599	1	-0.671406	6.07346	3.59737	No change
NM_001164227	Nrf1	-0.0681074	1	-0.52597	4.10321	2.7013	No change
NM_028900	Gcc1	-0.0678932	1	-0.287004	9.07793	7.07847	No change
NM_144846	Fam49b	-0.0677497	1	-0.29277	9.39021	7.29245	No change
NM_008837	Pick1	-0.0652613	1	-0.426714	7.08916	5.00949	No change
NM_023211	Usmg5	-0.0644036	1	-0.613127	19.4159	12.0003	No change
NM_001177513	Gm7102	-0.0642875	1	-0.679694	3.30441	1.94508	No change
NM_007908	Eef2k	-0.0640336	1	-0.543257	2.76146	1.79536	No change
NM_021362	Pappa	-0.0640077	1	-0.53498	0.796346	0.520838	No change
NM_023858	Mtmr2	-0.063827	1	-0.268657	14.1603	11.1839	No change
NM_007688	Cfl2	-0.063592	1	-0.217178	25.4291	20.8189	No change
NR_024327	Cnot2	-0.0634903	1	-0.217965	28.132	23.019	No change
NM_172741	4931406P16Rik	-0.0629359	1	-0.249275	8.83161	7.07032	No change
NM_018786	Prpf40b	-0.0624072	1	-0.352463	6.92738	5.15877	No change
NM_018872	Tmem131	-0.0621118	1	-0.234992	9.05753	7.32382	No change
NM_025774	Prkrip1	-0.0618481	1	-0.391569	10.3655	7.50897	No change
NM_178934	Slc2a12	-0.0616879	1	-0.725681	1.24121	0.706078	No change
NM_010188	Fcgr3	-0.0614393	1	-0.458724	8.91122	6.15503	No change
NM_008044	Fxn	-0.0612021	1	-0.809524	3.43691	1.83575	No change
NM_001033318	Cog7	-0.0611217	1	-0.260211	15.635	12.4215	No change
NM_001033175	Cln6	-0.0611124	1	-0.507634	4.53526	3.0249	No change
NM_173185	Csnk1g1	-0.0611046	1	-0.255734	6.55888	5.22716	No change
NM_011959	Orc5	-0.0609646	1	-0.322688	12.9299	9.83247	No change
NM_001039239	Zfp808	-0.0606238	1	-0.658735	1.81282	1.08355	No change
NM_178076	Mcf2l	-0.0606238	1	-0.658735	1.07465	0.642333	No change
NR_038097	Gm11696	-0.0606238	1	-0.658735	2.04164	1.22032	No change
NM_011644	Trpc2	-0.0603102	1	-0.564217	1.86408	1.19363	No change
NM_026578	Gar1	-0.060251	1	-0.688699	4.05765	2.37232	No change
NM_207652	Tsc22d1	-0.0599852	1	-0.156203	40.6492	34.7219	No change
NM_001081362	Trrap	-0.0599514	1	-0.189578	8.32897	6.95123	No change
NM_177548	Clasp1	-0.0599387	1	-0.237311	7.39625	5.97081	No change
NM_001159963	Fbxl5	-0.0593958	1	-0.174295	46.0877	38.8753	No change
NM_025693	Tmem41a	-0.0593909	1	-0.831697	2.61541	1.37348	No change

NM_025289	Tbrg1	-0.0591887	1	-0.181094	74.8587	62.8458	No change
NM_145621	Camkv	-0.0584374	1	-0.960146	0.896742	0.42634	No change
NR_015573	1700012D14Rik	-0.0584374	1	-0.960146	4.32118	2.05443	No change
NM_178035	Fads6	-0.0581844	1	-0.856999	2.69997	1.39062	No change
NM_023162	Znrd1	-0.0580791	1	-0.379392	26.211	19.1512	No change
NM_001145881	Zfp212	-0.057788	1	-0.407261	5.67028	4.06214	No change
NM_026327	1810048J11Rik	-0.057788	1	-0.407261	3.46888	2.48507	No change
NM_146092	Taf6l	-0.0574268	1	-0.355259	9.42737	7.00638	No change
NM_133865	Dclre1b	-0.0570364	1	-0.508444	2.21041	1.47332	No change
NM_011030	P4ha1	-0.0566548	1	-0.422198	3.48206	2.4682	No change
NM_080448	Srgap3	-0.0564079	1	-0.373751	2.07055	1.51887	No change
NM_133898	N4bp211	-0.0558974	1	-0.566867	3.94902	2.52361	No change
NM_025772	Dtnbp1	-0.0557695	1	-0.257575	33.4633	26.6339	No change
NM_025390	Pop4	-0.0555562	1	-0.320653	21.3557	16.2624	No change
NM_001136073	Nfatc2	-0.0550214	1	-1.00814	0.377228	0.172704	No change
NM_207105	H2-Ab1	-0.0549468	1	-0.371572	15.4808	11.3734	No change
NM_021565	Midn	-0.0548405	1	-0.334383	6.31522	4.76283	No change
NM_026436	Tmem86a	-0.0540553	1	-0.458284	6.49845	4.48944	No change
NM_144896	Pet112l	-0.0540553	1	-0.458284	5.04496	3.4853	No change
NM_133185	Rogdi	-0.0536453	1	-0.249957	33.1943	26.5606	No change
NM_030109	Sf3b2	-0.0535499	1	-0.154271	52.5984	44.9887	No change
NM_007632	Ccmd3	-0.0533066	1	-0.261261	20.8832	16.5783	No change
NM_173037	Tmco7	-0.0532665	1	-0.646475	1.29617	0.781576	No change
NM_011262	Dpf2	-0.0524059	1	-0.26778	14.3531	11.3424	No change
NM_001008232	Asap3	-0.0520112	1	-0.709267	0.849	0.488724	No change
NM_028768	Armc8	-0.0514209	1	-0.249665	9.78833	7.83372	No change
NM_012042	Cul1	-0.0510628	1	-0.198999	25.3429	21.012	No change
NM_008217	Has3	-0.0507487	1	-0.471108	1.8272	1.25076	No change
NM_153585	Cnot10	-0.0505519	1	-0.211403	22.7793	18.7239	No change
NM_024172	Hspbp1	-0.0504829	1	-0.396146	10.4914	7.57472	No change
NM_008951	Psm4	-0.049363	1	-0.176906	85.3349	71.8483	No change
NM_019794	Dnaja2	-0.0492747	1	-0.160978	48.8022	41.5472	No change
NM_130895	Adarb1	-0.0491113	1	-0.415074	2.13671	1.52211	No change
NM_001025093	Atf2	-0.0489631	1	-0.179717	23.796	19.996	No change
NM_176958	Hif1an	-0.0486649	1	-0.251705	6.98055	5.57859	No change
NR_027388	1700096K18Rik	-0.0486313	1	-0.653484	3.79968	2.27908	No change
NM_016682	Uba2	-0.0485214	1	-0.160439	54.672	46.5617	No change
NM_009562	Zfp62	-0.048103	1	-0.201979	18.8474	15.594	No change
NM_001005507	Smg7	-0.0479969	1	-0.148012	29.7137	25.5254	No change
NM_001039084	Mrpl1	-0.0478448	1	-0.46652	6.88543	4.72847	No change
NM_001033210	Pls1	-0.0478401	1	-0.721086	1.22533	0.699074	No change
NM_172726	E130309D02Rik	-0.0475617	1	-0.442539	5.17566	3.61559	No change
NM_001114140	Tcf20	-0.0474014	1	-0.124784	38.7952	33.869	No change
NM_008455	Kikb1	-0.0472706	1	-0.524879	3.45491	2.27537	No change
NM_026149	Nudcd1	-0.0472501	1	-0.247743	12.8387	10.2886	No change
NM_001033294	Ddx31	-0.0471326	1	-0.584764	2.05226	1.29431	No change
NM_010500	Ier5	-0.0471326	1	-0.584764	2.08866	1.31727	No change
NM_133748	Insig2	-0.0468516	1	-0.268516	14.969	11.8227	No change
NM_028072	Sulf2	-0.0466991	1	-0.315911	5.48643	4.1916	No change
NM_001081217	Zfp174	-0.0466786	1	-0.471108	1.78279	1.22028	No change
NM_010418	Herc2	-0.0466295	1	-0.14329	11.9849	10.3294	No change
NM_011299	Rps6ka2	-0.0466112	1	-0.356031	3.55813	2.64269	No change
NM_008845	Pip4k2a	-0.0466079	1	-0.572646	2.04802	1.30303	No change
NM_013827	Mtf2	-0.0463679	1	-0.259314	9.70343	7.71337	No change
NM_025676	Mcm8	-0.0463318	1	-0.551278	2.4002	1.5509	No change
NM_016688	Pdcd7	-0.0455782	1	-0.428842	5.22342	3.68459	No change
NM_133649	Slc12a6	-0.0450473	1	-0.196014	11.5962	9.63433	No change
NM_001081163	Chsy1	-0.044368	1	-0.617656	1.45194	0.893949	No change
NM_027275	Ptcd3	-0.0443568	1	-0.215624	23.1236	18.9506	No change
NM_178212_2	Hist2h2aa2	-0.0442784	1	-0.249736	107.288	85.8569	No change
NM_146151	Tesk2	-0.0442374	1	-0.252928	13.4927	10.7734	No change
NM_025580	Pnkd	-0.043938	1	-0.394146	23.9261	17.2977	No change
NM_012050	Omd	-0.0438614	1	-0.661079	3.02494	1.804	No change
NM_001112700	Cyth1	-0.043461	1	-0.313289	7.99938	6.1226	No change
NM_153501	Pank2	-0.043203	1	-0.253716	9.42635	7.5224	No change
NM_001166402	Tnfaip3	-0.0430796	1	-0.602352	1.46265	0.910633	No change
NM_027338	Vps36	-0.0427657	1	-0.6935	3.76571	2.19252	No change
NM_001163441	Mov10	-0.0424924	1	-0.471108	2.99776	2.05176	No change
NM_019993	Aldh9a1	-0.0423293	1	-0.330298	7.77373	5.87911	No change
NM_199018	Stard8	-0.0421886	1	-0.457561	2.21872	1.53332	No change
NM_011936	Fto	-0.0421698	1	-0.241659	12.5361	10.0887	No change
NM_011405	Slc7a7	-0.0417353	1	-0.543753	3.39592	2.20604	No change
NM_009795	Capns1	-0.0417329	1	-0.141609	120.379	103.871	No change
NM_175111	Hspbp1	-0.0417144	1	-0.575805	1.49796	0.950771	No change
NM_019879	Suclg1	-0.0412911	1	-0.283801	21.9793	17.1741	No change
NM_008013	Fgl2	-0.0410728	1	-0.221046	14.4415	11.7906	No change

NM_019828	Trpc4ap	-0.0410285	1	-0.168545	33.5729	28.4314	No change
NM_001039045	Pigc	-0.0408297	1	-0.301183	8.11813	6.26643	No change
NM_194051	Rtn4	-0.0407211	1	-0.220564	9.80566	8.00835	No change
NM_080464	Ppp1r3a	-0.0406494	1	-0.855772	0.450263	0.231909	No change
NM_018784	St3gal6	-0.0402789	1	-0.505055	5.60345	3.74287	No change
NM_011087	Pira1	-0.0396985	1	-1.38091	0.607787	0.208695	No change
NM_001081058	Cdk13	-0.0395748	1	-0.154078	18.5723	15.8871	No change
NM_133744	Ccdc71	-0.0394909	1	-0.284542	9.6422	7.5302	No change
NM_001013777	Zfp488	-0.0394445	1	-1.12318	0.518525	0.216992	No change
NM_001034859	Gm4841	-0.0394445	1	-1.12318	0.785826	0.328852	No change
NM_024229	Pcyt2	-0.0393979	1	-0.238782	24.3071	19.6007	No change
NM_146028	Stac2	-0.0393706	1	-0.886145	0.982878	0.494461	No change
NM_011767	Zfr	-0.0393426	1	-0.170458	21.9373	18.5529	No change
NM_133763	Dnttip1	-0.0393385	1	-0.623111	4.70595	2.88549	No change
NM_001029979	Safb2	-0.0383967	1	-0.243623	12.8864	10.3562	No change
NM_001122765	Sirt2	-0.0382886	1	-0.31228	13.3169	10.1994	No change
NM_001024474	Diras2	-0.0380723	1	-0.704307	1.0579	0.610917	No change
NM_026666	Ubn1	-0.0376935	1	-0.197483	10.6132	8.80844	No change
NM_025708	Tmem186	-0.0374919	1	-0.290535	9.78316	7.60815	No change
NM_178065	1110018G07Rik	-0.0374046	1	-0.148889	25.4887	21.8822	No change
NM_030203	Tspy14	-0.0372444	1	-0.253622	9.75701	7.78656	No change
NM_001033185	1700084C01Rik	-0.0367063	1	-1.81214	0.871162	0.199419	No change
NM_008319	Icam5	-0.0367063	1	-1.81214	0.420682	0.0962991	No change
NM_009858	Cd8b1	-0.0367063	1	-1.81214	0.885927	0.202799	No change
NM_173415	Nyx	-0.0367063	1	-1.81214	0.346444	0.0793051	No change
NM_177328	Grm7	-0.0367063	1	-1.81214	0.300041	0.0686831	No change
NM_001166416	Med23	-0.0365927	1	-0.280329	6.11539	4.78994	No change
NR_028304	C4bp-ps1	-0.0360282	1	-0.964148	3.41995	1.61863	No change
NM_172605	Tdrd3	-0.0358018	1	-0.293803	9.97812	7.7419	No change
NM_028785	Dock8	-0.0355596	1	-0.481524	1.23145	0.836489	No change
NM_019580	Gde1	-0.0355374	1	-0.182451	52.7369	44.2296	No change
NM_001010836	Ppp1r13l	-0.035503	1	-0.764839	1.2469	0.688092	No change
NM_010483	Htr5b	-0.035503	1	-0.764839	1.94751	1.07472	No change
NM_174847	C2cd2	-0.0342196	1	-0.360076	2.64697	1.96013	No change
NM_023464	Ssna1	-0.034218	1	-0.283905	33.3945	26.0907	No change
NM_029090	Nat15	-0.0339554	1	-0.279942	12.243	9.59187	No change
NM_019973	Son	-0.0335176	1	-0.0983058	55.3163	49.1876	No change
NM_001171801	Gm11818	-0.032896	1	-0.529211	5.2467	3.44367	No change
NM_178279	Pxk	-0.0328751	1	-0.326718	7.43555	5.63711	No change
NM_026911	Spcs1	-0.0328145	1	-0.139594	149.57	129.238	No change
NM_133795	Ttc1	-0.0326656	1	-0.252213	25.7942	20.6048	No change
NM_001081128	Mtr	-0.0322951	1	-0.208966	13.7444	11.316	No change
NM_007434	Akt2	-0.0322083	1	-0.250248	12.8124	10.2488	No change
NM_026156	Xab2	-0.0321038	1	-0.19049	26.2071	21.8565	No change
NM_008079	Galc	-0.03198	1	-0.280621	7.8461	6.1441	No change
NM_025579	Taf12	-0.0317242	1	-0.388076	10.8411	7.87042	No change
NM_013651	Sf3a2	-0.0316964	1	-0.547976	4.37142	2.83047	No change
NM_020616	D930014E17Rik	-0.0313493	1	-0.558571	7.23431	4.64834	No change
NM_010382	H2-Eb1	-0.0311332	1	-0.288904	16.2436	12.6462	No change
NM_173019	Pfkfb4	-0.0310283	1	-0.261092	10.0361	7.96728	No change
NM_011273	Xpr1	-0.030899	1	-0.168694	11.9237	10.0963	No change
NM_025277	Gng10	-0.0307171	1	-0.410672	11.574	8.26878	No change
NM_177715	Kctd12	-0.0301674	1	-0.314645	3.70499	2.83276	No change
NM_134149	Al837181	-0.0297884	1	-0.333604	12.928	9.75344	No change
NM_021350	Chml	-0.0297341	1	-0.311451	3.73762	2.86413	No change
NM_177150	Cenpt	-0.0296362	1	-0.514176	4.65408	3.08778	No change
NM_026331	Slc25a37	-0.0293104	1	-0.335948	4.67187	3.51883	No change
NM_001162870	Spast	-0.0288007	1	-0.242807	8.25155	6.63486	No change
NR_028507	Prr3	-0.0282219	1	-0.378205	7.80762	5.7077	No change
NM_013919	Usp21	-0.0281946	1	-0.396561	6.29505	4.54248	No change
NM_001145807	Fam5c	-0.0279755	1	-0.803683	1.26255	0.676292	No change
NM_009396	Tnfaip2	-0.0273823	1	-0.318404	6.01272	4.58497	No change
NM_139059	Csnk1d	-0.0272655	1	-0.146681	32.7099	28.1243	No change
NM_028546	1700066M21Rik	-0.0268828	1	-0.228414	14.4624	11.7463	No change
NM_007951	Erh	-0.0261437	1	-0.255502	41.7128	33.2431	No change
NM_001081029	4930420K17Rik	-0.0261277	1	-0.481996	9.3112	6.32167	No change
NM_010733	Lrrn3	-0.0259043	1	-0.586585	1.96935	1.23972	No change
NM_026721	Slc39a13	-0.0256977	1	-0.295789	10.8847	8.43299	No change
NM_026027	Pfdn1	-0.0253125	1	-0.214199	45.7501	37.5286	No change
NM_001037926	Gm13051	-0.0247007	1	-0.827252	1.15622	0.608183	No change
NM_011592	Timm44	-0.0237941	1	-0.228452	23.6612	19.2168	No change
NM_008721	Npdc1	-0.0237154	1	-0.744126	2.69688	1.51088	No change
NM_009702	Aqr	-0.0235971	1	-0.183549	13.9243	11.6688	No change
NM_145378	Pla2g4b	-0.0234633	1	-0.69906	1.15613	0.6699	No change
NM_153516	Bcl2l13	-0.0231675	1	-0.259035	4.62408	3.67601	No change
NM_022011	Gtf2h2	-0.0211325	1	-0.343448	10.3294	7.73845	No change

NM_013752	Nbn	-0.0209174	1	-0.336081	7.38616	5.56229	No change
NM_172429	Smndc1	-0.0204875	1	-0.287959	11.8396	9.22303	No change
NM_053195	Slc24a3	-0.0204542	1	-0.508582	2.36247	1.57344	No change
NM_013818	Gtpbp1	-0.020319	1	-0.274842	8.14247	6.40161	No change
NM_001029983	Man1b1	-0.0201451	1	-0.189926	16.1661	13.4872	No change
NM_172892	Slc13a4	-0.0195261	1	-0.886145	0.834037	0.419095	No change
NM_016737	Stip1	-0.0192085	1	-0.154296	43.4579	37.1674	No change
NM_001048145	Syce1l	-0.0191639	1	-1.58658	2.08163	0.600402	No change
NM_008599	Cxcl9	-0.0191639	1	-1.58658	0.599767	0.17299	No change
NM_001033352	Klhl21	-0.0186828	1	-0.34705	4.36587	3.26239	No change
NM_009361	Tfdp1	-0.0186828	1	-0.34705	10.003	7.47471	No change
NM_027946	Dcaf7	-0.0185802	1	-0.13227	23.0209	19.9926	No change
NM_029274	Wbp7	-0.0182369	1	-0.206054	5.87573	4.84719	No change
NM_023799	Mgea5	-0.0181828	1	-0.110914	41.1736	36.2921	No change
NM_198026	Iqcc	-0.0180769	1	-0.288974	11.4528	8.91522	No change
NM_145505	Fam160b1	-0.0180489	1	-0.240718	6.35035	5.11335	No change
NM_001081132	Upf2	-0.0176358	1	-0.191615	11.1396	9.2826	No change
NM_175565	Cdv3	-0.0176114	1	-0.140377	28.2053	24.3573	No change
NM_030262	Pofut2	-0.0173587	1	-0.27041	12.5944	9.93232	No change
NM_172554	Zdhhc17	-0.0165799	1	-0.294065	5.14882	3.99365	No change
NM_001134829	Lpgat1	-0.0163618	1	-0.131402	18.2914	15.8948	No change
NM_172149	Bnip1	-0.0162852	1	-0.465813	8.67147	5.95501	No change
NM_009230	Soat1	-0.016235	1	-0.15312	19.2111	16.4437	No change
NM_011568	Thoc4	-0.0159432	1	-0.240576	31.0294	24.9873	No change
NM_054087	Slc19a2	-0.0159086	1	-0.298235	6.38934	4.94133	No change
NM_010072	Dpm1	-0.0157715	1	-0.183826	26.8681	22.511	No change
NM_008710	Nnt	-0.0156561	1	-0.15987	17.9897	15.326	No change
NM_008549	Man2a1	-0.0155971	1	-0.194355	8.98968	7.47675	No change
NM_027445	Rnf167	-0.0153128	1	-0.265359	18.7494	14.8387	No change
NM_173363	Eif5	-0.0151156	1	-0.0902187	75.3865	67.4104	No change
NM_178648	Ubxn8	-0.0149411	1	-0.245291	11.8753	9.53135	No change
NM_016882	Sart1	-0.0144345	1	-0.205462	9.43202	7.78405	No change
NM_001025378	Orc2	-0.0143305	1	-0.238205	22.2649	17.9591	No change
NM_172788	Sh3rf3	-0.0142986	1	-0.595096	1.01266	0.63334	No change
NM_001166391	F13a1	-0.0142266	1	-0.406619	3.14649	2.25395	No change
NM_026873	Ptcd2	-0.0141338	1	-0.298199	13.3561	10.3293	No change
NM_026964	Ccdc124	-0.0140105	1	-0.29533	25.016	19.3859	No change
NM_001024927	Pitpnm3	-0.0139465	1	-1.25538	0.31365	0.118467	No change
NM_011041	Pax9	-0.0139465	1	-1.25538	0.812272	0.306799	No change
NM_001081750	Zfp664	-0.0138383	1	-0.179722	15.4835	13.0097	No change
NM_148928	Gtf3c5	-0.0133401	1	-0.372973	5.12632	3.76085	No change
NM_170757	A630007B06Rik	-0.0132891	1	-0.152106	32.4424	27.7884	No change
NM_130454	Recql5	-0.0132313	1	-0.239621	8.67228	6.98818	No change
NM_001109913	Hnrnpm	-0.0131496	1	-0.140303	43.9224	37.9318	No change
NM_001003912	Arhgef11	-0.0129732	1	-0.281228	4.45537	3.48699	No change
NM_029169	Rbm6	-0.0129561	1	-0.142159	25.7766	22.2322	No change
NM_133216	Xpnp1	-0.0129469	1	-0.154316	35.8313	30.6439	No change
NM_028291	Pan3	-0.0128174	1	-0.14197	22.227	19.1732	No change
NM_025481	Smurf2	-0.0127866	1	-0.144517	18.5639	15.985	No change
NM_025334	Txndc12	-0.0126809	1	-0.326718	14.4966	10.9884	No change
NM_177003	9630033F20Rik	-0.0125231	1	-0.362294	4.12091	3.04615	No change
NM_133788	Icmt	-0.0117483	1	-0.148308	18.6761	16.0392	No change
NM_015735	Ddb1	-0.0115557	1	-0.116343	37.2153	32.6793	No change
NM_146238	Gemin8	-0.0113496	1	-0.657876	2.61918	1.56407	No change
NM_027558	Pgrmc2	-0.0105026	1	-0.212757	14.277	11.7224	No change
NM_001163574	Tjp1	-0.00935905	1	-0.132244	16.4753	14.3081	No change
NM_001163449	Mapk8ip3	-0.00896248	1	-0.191	9.54958	7.96085	No change
NM_001083121	Enah	-0.00890351	1	-0.157138	22.5048	19.2088	No change
NM_175557	Zfp384	-0.0088451	1	-0.304414	6.7621	5.20666	No change
NM_025748	Adat2	-0.00857255	1	-0.616959	3.69329	2.2728	No change
NM_028083	Chaf1b	-0.00812475	1	-0.6935	2.25874	1.31348	No change
NM_001161411	Ttc15	-0.00773429	1	-0.250137	10.4515	8.3599	No change
NM_001080748	Gtf2i	-0.00766903	1	-0.108338	38.7416	34.2091	No change
NM_019667	Stam2	-0.00763992	1	-0.160352	17.9471	15.2843	No change
NM_178347	Cdc23	-0.00709587	1	-0.188329	12.8293	10.7148	No change
NM_175419	Actr5	-0.0070445	1	-0.450497	4.04612	2.80882	No change
NM_001034900	Zfp345	-0.00685515	1	-1.88615	0.386324	0.0795909	No change
NM_001164518	Igln5	-0.00685515	1	-1.88615	0.407244	0.0839006	No change
NM_031877	Wasf1	-0.00685515	1	-1.88615	0.409958	0.08446	No change
NM_138951	Ttc36	-0.00685515	1	-1.88615	1.36832	0.281902	No change
NM_177060	Rnf222	-0.00685515	1	-1.88615	0.38704	0.0797382	No change
NM_178385	Tbcc	-0.00662114	1	-0.289357	12.2142	9.50461	No change
NM_181344	C1rl	-0.00647943	1	-1.52358	0.625153	0.190807	No change
NM_026876	1190005F20Rik	-0.0061091	1	-0.323551	6.77316	5.14524	No change
NM_029654	Atg2b	-0.00605188	1	-0.122983	12.256	10.7125	No change
NM_172685	Slc25a24	-0.0058874	1	-0.46557	2.65752	1.82501	No change

NM_028792	Josd1	-0.00567938	1	-0.215647	11.7455	9.62431	No change
NM_001081169	Aspg	-0.00562386	1	-0.824745	1.14794	0.60439	No change
NM_001197322	Foxp1	-0.00553915	1	-0.248715	4.5292	3.62635	No change
NM_028906	Dpp8	-0.00544719	1	-0.126063	24.6207	21.474	No change
NM_008389	Ipp	-0.00535943	1	-0.37013	6.54811	4.81318	No change
NM_001170540	Btf3	-0.00487485	1	-0.147515	95.1214	81.735	No change
NM_001163300	Safb	-0.0042637	1	-0.250675	9.19605	7.35277	No change
NM_001083912	Plekhg2	-0.00389149	1	-0.353076	2.98152	2.21814	No change
NM_133360	Acaca	-0.00387559	1	-0.157447	8.09432	6.90726	No change
NM_028014	2310067B10Rik	-0.00364819	1	-0.264657	5.24511	4.15284	No change
NM_172645	Al848100	-0.00329273	1	-0.0687795	61.8707	56.1536	No change
NM_177242	Pptc7	-0.0030705	1	-0.214471	8.52458	6.99071	No change
NM_008942	Npepps	-0.00224045	1	-0.177028	13.7197	11.549	No change
NM_001039562	Ankrd37	-0.00200617	1	-0.705573	4.54854	2.62069	No change
NM_001029985	Kcp	-0.00176549	1	-2.00162	0.171096	0.0293744	No change
NM_001033325	A630095E13Rik	-0.00176549	1	-2.00162	1.35107	0.231958	No change
NM_001081338	L3mbtl1	-0.00176549	1	-2.00162	0.306006	0.0525364	No change
NM_007972	F10	-0.00176549	1	-2.00162	0.409356	0.07028	No change
NM_023893	Ng23	-0.00176549	1	-2.00162	0.892546	0.153236	No change
NM_153288	Npb	-0.00176549	1	-2.00162	1.52334	0.261534	No change
NR_027924	2010204K13Rik	-0.00176549	1	-2.00162	1.01249	0.173828	No change
NM_001146711	2310014H01Rik	-0.00148872	1	-0.319944	6.70827	5.10872	No change
NM_013507	Eif4g2	-0.00148655	1	-0.0482278	98.0281	90.2475	No change
NM_027007	Zfp397	-0.00125087	1	-0.155581	13.1865	11.2672	No change
NM_011284	Rpa2	-0.00119339	1	-0.440734	5.47532	3.82724	No change
NM_133966	Taf5l	-0.00105734	1	-0.226221	12.046	9.79759	No change
NM_001033321	Tmem231	-0.000690491	1	-0.274787	8.25597	6.49028	No change
NM_026175	Sf3a1	-0.000324169	1	-0.248715	5.855	4.68773	No change
NM_001037725	Fam117b	-0.000174561	1	-0.182035	9.499	7.96812	No change
NM_001080814	Fat3	-0.000144434	1	-0.282074	1.22268	0.95628	No change
NM_001001130	Zfp85-rs1	0	1	-0.0116761	3.3621	3.17201	No change
NM_001001160	Fbxo41	0	1	-1.14918	0.116828	0.0437616	No change
NM_001001182	Baz2b	0	1	0.0659136	12.55	12.5049	No change
NM_001001183	Tmem204	0	1	-0.0521551	5.36702	4.92327	No change
NM_001001319	Pram14	0	1	0.698817	0.0290508	0.0598507	No change
NM_001001320	Tbx10	0	1	0.698817	0.0391974	0.0807547	No change
NM_001001321	Slc35d2	0	1	-0.185705	0.949245	0.788565	No change
NM_001001322	Adamts13	0	1	1.69882	0.0608672	0.219448	No change
NM_001001326	St5	0	1	0.00775899	11.0723	10.5957	No change
NM_001001332	BC117090	0	1	0.113855	0	0	No change
NM_001001335	Plekha8	0	1	-0.0145095	8.76026	8.25482	No change
NM_001001451	Tas2r138	0	1	0.113855	0	0	No change
NM_001001452	Tas2r143	0	1	-0.471108	0.158034	0.0813957	No change
NM_001001453	Tas2r144	0	1	1.11385	0	0.0747823	No change
NM_001001489	BC021785	0	1	-2.47111	0.146908	0	No change
NM_001001495	Trip3	0	1	0.698817	0.0554733	0.0952388	No change
NM_001001559	Dub2a	0	1	0.113855	0	0	No change
NM_001001565	Chpf	0	1	0.0507761	8.03569	7.92253	No change
NM_001001796	Prrxl1	0	1	0.113855	0	0	No change
NM_001001798	Atp11c	0	1	0.119524	5.94654	6.14971	No change
NM_001001803	Spink7	0	1	0.113855	0	0	No change
NM_001001805	Olf576	0	1	0.113855	0	0	No change
NM_001001807	Olf279	0	1	-1.47111	0.149395	0	No change
NM_001001808	Olf221	0	1	-1.20807	0.297833	0.0766998	No change
NM_001001809	Olf218	0	1	0.113855	0	0	No change
NM_001001810	Olf1206	0	1	0.113855	0	0	No change
NM_001001885	Tmem151a	0	1	-0.623111	0.0706646	0.0363959	No change
NM_001001979	Megf10	0	1	-1.47111	0.0463754	0.00955429	No change
NM_001001982	A430105I19Rik	0	1	0.0847085	1.46302	1.47662	No change
NM_001001985	Nat8l	0	1	-1.34558	0.224162	0.07697	No change
NM_001002005	Panx2	0	1	0.229332	0.960014	1.07308	No change
NM_001002842	Pram1	0	1	-0.486538	1.40732	0.945447	No change
NM_001002846	Fbxl12	0	1	0.210473	7.78881	8.58143	No change
NM_001002896	Bfsp2	0	1	1.69882	0	0.0914535	No change
NM_001002897	Atg9b	0	1	-1.20807	0.250052	0.0919925	No change
NM_001002900	Higd1c	0	1	0.113855	0	0	No change
NM_001002929	Nup85	0	1	0.00560192	5.32623	5.08755	No change
NM_001003393	Igf13	0	1	0.113855	0	0	No change
NM_001003405	Try5	0	1	-3.20807	0.783067	0	No change
NM_001003664	Gm5409	0	1	0.113855	0	0	No change
NM_001003666	Zfp457	0	1	0.721537	0.658723	1.05176	No change
NM_001003667	Krt77	0	1	-1.88615	0.121628	0	No change
NM_001003668	Krt83	0	1	1.92121	0.038167	0.235896	No change
NM_001003670	Gm5414	0	1	0.113855	0	0	No change
NM_001003685	Ghrhr	0	1	-1.88615	0.130838	0	No change
NM_001003815	Epb4.111	0	1	0.12793	1.11588	1.16086	No change

NM_001003911	Adamts7	0	1	-1.60235	0.286802	0.0805735	No change
NM_001003913	Mars	0	1	0.0292032	17.4529	16.9523	No change
NM_001003915	Slc5a12	0	1	0.113855	0.0136546	0.0140656	No change
NM_001003916	Zc4h2	0	1	0.726832	1.0727	1.70771	No change
NM_001003947	Cyp4x1	0	1	-0.886145	0.0457303	0	No change
NM_001003952	Sval3	0	1	0.113855	0	0	No change
NM_001003960	Dnmt3b	0	1	-0.453186	0.638184	0.438264	No change
NM_001003972	Senp7	0	1	0.599282	2.28405	3.31807	No change
NM_001004139	Zfp619	0	1	0.490709	0.77125	1.03522	No change
NM_001004141	Cyp2j11	0	1	1.28378	0.108051	0.29681	No change
NM_001004142	Nlrp1a	0	1	0.961852	0.0580049	0.119502	No change
NM_001004149	Zfp366	0	1	0.251358	0.227424	0.260301	No change
NM_001004151	Rtp1	0	1	-2.6935	0.134025	0	No change
NM_001004152	Psg22	0	1	-0.886145	0.037249	0	No change
NM_001004154	Rragb	0	1	0.136938	3.7581	3.93418	No change
NM_001004157	Scarf1	0	1	0.251358	0.459142	0.52275	No change
NM_001004159	Clec4b2	0	1	0.113855	0	0	No change
NM_001004164	Gnptab	0	1	0.103208	5.45062	5.57332	No change
NM_001004177	Celsr2	0	1	0.205304	3.26989	3.5892	No change
NM_001004178	AA415398	0	1	0.446981	2.78919	3.62924	No change
NM_001004184	Slc28a1	0	1	-1.00162	0.293856	0.126126	No change
NM_001004190	Zfp560	0	1	0.32798	2.19447	2.62465	No change
NM_001004363	Nuak1	0	1	0.406036	0.666652	0.844095	No change
NM_001004365	Actr3b	0	1	-0.273168	0.651717	0.503502	No change
NM_001004367	Cxxc4	0	1	0.403361	0.25332	0.322346	No change
NM_001004455	Cys1	0	1	-0.14918	0.433855	0.365659	No change
NM_001004721	Pigu	0	1	0.0490037	11.6943	11.5149	No change
NM_001004762	Pla2g4c	0	1	0.741886	0.433773	0.702164	No change
NM_001005225	Olf1197	0	1	0.113855	0	0	No change
NM_001005227	Olf1200	0	1	0.113855	0	0	No change
NM_001005230	Olf1024	0	1	0.113855	0	0	No change
NM_001005232	Dbx1	0	1	0.113855	0	0	No change
NM_001005247	Hps5	0	1	-0.0424872	8.03201	7.42253	No change
NM_001005342	Ypel4	0	1	-0.985681	1.29747	0.5728	No change
NM_001005343	Sp9	0	1	0.113855	0	0	No change
NM_001005371	Gm13084	0	1	0.113855	0	0	No change
NM_001005420	Gm347	0	1	-0.280719	3.55732	2.78443	No change
NM_001005422	Gm1574	0	1	-0.886145	0.25566	0.105343	No change
NM_001005424	Gm996	0	1	0.58334	0.178547	0.260556	No change
NM_001005425	Zfp663	0	1	1.11385	0	0.0216826	No change
NM_001005475	lqsec2	0	1	0.13985	0.722761	0.758307	No change
NM_001005477	Barhl2	0	1	-1.88615	0.0903539	0	No change
NM_001005481	Olf132	0	1	0.113855	0	0	No change
NM_001005485	Olf111	0	1	0.113855	0.0669481	0.0689635	No change
NM_001005488	Olf1467	0	1	-0.886145	0.529697	0.233847	No change
NM_001005520	Olf231	0	1	-0.886145	0.0754253	0	No change
NM_001005523	Rsrc2	0	1	0.0943226	13.4481	13.6664	No change
NM_001005524	Olf194	0	1	-2.6935	0.454026	0	No change
NM_001005568	Olf1281	0	1	-0.886145	0.0759182	0	No change
NM_001005569	Olf1366	0	1	0.113855	0	0	No change
NM_001005570	Olf1707	0	1	0.113855	0	0	No change
NM_001005608	Itgb4	0	1	0.236339	0.882476	0.990622	No change
NM_001005740	Phactr1	0	1	-0.264657	1.3562	1.07151	No change
NM_001005767	Parl	0	1	-0.00823699	22.036	20.8531	No change
NM_001005788	Zfp69	0	1	-0.181601	0.766504	0.637737	No change
NM_001005846	Mcoln2	0	1	-1.88615	0.307633	0.0576172	No change
NM_001005854	Gm609	0	1	-0.400718	0.952448	0.676635	No change
NM_001005858	I830012O16Rik	0	1	0.224886	2.56199	2.85309	No change
NM_001005860	Clec4a4	0	1	-0.886145	0.319107	0.131485	No change
NM_001007077	Gm13023	0	1	0.113855	0	0	No change
NM_001007222	Tdpoz2	0	1	0.113855	0	0	No change
NM_001007223	Clec3a	0	1	-2.20807	0.0951439	0	No change
NM_001007266	Taar2	0	1	0.113855	0	0	No change
NM_001007460	Zdhhc23	0	1	-0.41666	0.654394	0.449396	No change
NM_001007461	Gsdma3	0	1	-0.886145	0.0471855	0	No change
NM_001007462	Pabpn1l	0	1	-0.886145	0.0609204	0	No change
NM_001007472	Noto	0	1	0.113855	0	0	No change
NM_001007567	Slc7a6os	0	1	0.188237	8.59165	9.32106	No change
NM_001007570	Slc25a42	0	1	0.241234	1.40616	1.58429	No change
NM_001007572	Trpv5	0	1	-0.886145	0.026805	0	No change
NM_001007575	Zfp58	0	1	-0.12828	6.85407	5.96483	No change
NM_001007576	Gucy2f	0	1	0.988324	0.0348534	0.0718053	No change
NM_001007579	BC080695	0	1	0.113855	0	0	No change
NM_001007581	2810408M09Rik	0	1	-0.00529245	6.08134	5.7648	No change
NM_001007582	AY761184	0	1	0.476425	0.836315	1.14866	No change
NM_001007583	Best3	0	1	0.376889	0.230686	0.290438	No change

NM_001007584	Gm11541	0	1	-0.623111	0.165837	0.0854146	No change
NM_001008230	Rtp2	0	1	-0.886145	0.0287038	0	No change
NM_001008238	Bnip2	0	1	0.0448132	7.81741	7.6729	No change
NM_001008419	Aox311	0	1	-2.6935	0.0875539	0	No change
NM_001008421	Nol10	0	1	-0.262012	2.52071	1.99553	No change
NM_001008425	Thoc6	0	1	-0.0116761	5.21114	4.9165	No change
NM_001008427	Gm5595	0	1	0.277045	3.67855	4.24583	No change
NM_001008428	Fbxw20	0	1	-1.47111	0.0941161	0	No change
NM_001008429	Taar3	0	1	0.113855	0	0	No change
NM_001008497	P2ry14	0	1	-0.284695	2.3759	1.8463	No change
NM_001008499	Taar4	0	1	0.113855	0	0	No change
NM_001008502	Bbs12	0	1	0.310443	3.8941	4.60123	No change
NM_001008549	Zfp658	0	1	0.510745	1.21617	1.65622	No change
NM_001008550	Zfyve26	0	1	0.0891159	4.8059	4.86628	No change
NM_001008705	Bud31	0	1	-0.150026	33.6108	28.8182	No change
NM_001008706	Calm5	0	1	0.113855	0	0	No change
NM_001008791	Whrn	0	1	0.0728275	1.82451	1.82625	No change
NM_001009549	Zfp36l3	0	1	-2.20807	0.106686	0	No change
NM_001009550	Mup21	0	1	0.113855	0	0	No change
NM_001009574	Taar5	0	1	0.113855	0	0	No change
NM_001009818	Sept11	0	1	0.127091	3.00593	3.12509	No change
NM_001009819	A3galt2	0	1	0.791927	0.185026	0.317659	No change
NM_001009927	Smcr7	0	1	-0.139902	2.54233	2.19187	No change
NM_001009940	Il19	0	1	0.113855	0	0	No change
NM_001009947	Dock11	0	1	0.314153	0.481002	0.570881	No change
NM_001009948	Nrsn2	0	1	-1.20807	0.202009	0.0520224	No change
NM_001009950	Slc38a8	0	1	1.11385	0.0265801	0.0821407	No change
NM_001009952	Abpd	0	1	0.113855	0	0	No change
NM_001010826	Kctd14	0	1	-0.0236487	5.27748	4.93932	No change
NM_001010827	Taar7b	0	1	0.113855	0	0	No change
NM_001010828	Taar6	0	1	0.113855	0	0	No change
NM_001010829	Taar7a	0	1	0.113855	0	0	No change
NM_001010830	Taar8a	0	1	0.113855	0	0	No change
NM_001010831	Taar9	0	1	-0.886145	0.0665644	0	No change
NM_001010834	Slc10a5	0	1	-0.14918	0.302009	0.2562	No change
NM_001010835	Taar7e	0	1	0.113855	0.0647102	0.0666583	No change
NM_001010837	Taar8b	0	1	0.113855	0	0	No change
NM_001010838	Taar7d	0	1	1.11385	0.0647102	0.199975	No change
NM_001010839	Taar7f	0	1	0.113855	0.12942	0.133317	No change
NM_001010840	Taar8c	0	1	0.113855	0	0	No change
NM_001010941	Gpr12	0	1	-0.886145	0.0282272	0	No change
NM_001011517	Olf1193	0	1	0.113855	0	0	No change
NM_001011518	Olf194	0	1	0.113855	0	0	No change
NM_001011519	Olf1148	0	1	0.113855	0	0	No change
NM_001011520	Olf1310	0	1	0.113855	0	0	No change
NM_001011523	Olf1913	0	1	0.113855	0	0	No change
NM_001011524	Olf1418	0	1	1.11385	0	0.0750167	No change
NM_001011525	Olf1415	0	1	0.113855	0	0	No change
NM_001011527	Olf1503	0	1	1.11385	0	0.073859	No change
NM_001011528	Olf1456	0	1	1.69882	0	0.136485	No change
NM_001011529	Olf1251	0	1	0.113855	0	0	No change
NM_001011530	Olf1723	0	1	-0.886145	0.0692773	0	No change
NM_001011531	Olf1329-ps	0	1	-1.47111	0.10722	0	No change
NM_001011532	Olf1037	0	1	-0.886145	0.0619493	0	No change
NM_001011533	Olf1688	0	1	-0.886145	0.0721459	0	No change
NM_001011534	Olf1988	0	1	0.113855	0	0	No change
NM_001011535	Olf1182	0	1	-0.886145	0.0591621	0	No change
NM_001011536	Olf1566	0	1	0.113855	0	0	No change
NM_001011542	Olf1532-ps1	0	1	0.113855	0	0	No change
NM_001011662	Olf180	0	1	-1.47111	0.122054	0	No change
NM_001011684	Nms	0	1	0.113855	0	0	No change
NM_001011695	Olf1000	0	1	0.113855	0	0	No change
NM_001011707	Cyp2c66	0	1	-1.88615	0.128269	0	No change
NM_001011721	Olf102	0	1	0.113855	0	0	No change
NM_001011733	Olf1288	0	1	-0.886145	0.100374	0.0344652	No change
NM_001011734	Olf1116-ps	0	1	0.113855	0	0	No change
NM_001011735	Olf1066	0	1	0.113855	0	0	No change
NM_001011736	Olf1205	0	1	0.113855	0	0	No change
NM_001011737	Olf1357	0	1	-0.886145	0.0600801	0	No change
NM_001011738	Olf1744	0	1	0.113855	0	0	No change
NM_001011739	Olf1885	0	1	0.113855	0	0	No change
NM_001011740	Olf1225	0	1	0.113855	0	0	No change
NM_001011741	Olf1386	0	1	0.113855	0	0	No change
NM_001011742	Olf1479	0	1	0.113855	0	0	No change
NM_001011743	Olf1324	0	1	0.113855	0	0	No change
NM_001011744	Olf105	0	1	1.11385	0	0.0764547	No change

NM_001011748	Olfr867	0	1	0.113855	0	0	No change
NM_001011749	Olfr704	0	1	0.113855	0	0	No change
NM_001011750	Olfr294	0	1	0.113855	0	0	No change
NM_001011751	Olfr298	0	1	0.113855	0	0	No change
NM_001011752	Olfr293	0	1	0.113855	0	0	No change
NM_001011753	Olfr115	0	1	0.113855	0	0	No change
NM_001011754	Olfr735	0	1	-2.47111	0.327197	0	No change
NM_001011755	Olfr671	0	1	0.113855	0	0	No change
NM_001011756	Olfr948	0	1	0.113855	0	0	No change
NM_001011757	Olfr663	0	1	0.113855	0	0	No change
NM_001011758	Olfr1016	0	1	0.113855	0	0	No change
NM_001011759	Olfr1031	0	1	0.113855	0	0	No change
NM_001011760	Olfr314	0	1	-1.47111	0.123241	0	No change
NM_001011761	Olfr1229	0	1	0.113855	0	0	No change
NM_001011764	Olfr106	0	1	0.113855	0	0	No change
NM_001011767	Olfr299	0	1	0.113855	0	0	No change
NM_001011769	Olfr317	0	1	-1.47111	0.123569	0	No change
NM_001011770	Olfr332	0	1	-0.371572	0.416077	0.285735	No change
NM_001011771	Olfr1089	0	1	0.113855	0	0	No change
NM_001011773	Olfr1287	0	1	-1.47111	0.151836	0	No change
NM_001011774	Olfr1028	0	1	0.113855	0	0	No change
NM_001011775	Olfr1419	0	1	0.113855	0	0	No change
NM_001011776	Olfr527	0	1	0.113855	0	0	No change
NM_001011777	Olfr1042	0	1	0.113855	0	0	No change
NM_001011778	Olfr285	0	1	-1.47111	0.145194	0	No change
NM_001011779	Olfr286	0	1	-1.47111	0.0960619	0	No change
NM_001011780	Olfr287	0	1	-2.20807	0.156966	0	No change
NM_001011782	Olfr543	0	1	0.611354	0.986803	1.46123	No change
NM_001011783	Olfr104	0	1	0.113855	0	0	No change
NM_001011784	Olfr1039	0	1	0.113855	0	0	No change
NM_001011785	Olfr987	0	1	-0.886145	0.0749386	0	No change
NM_001011787	Olfr1307	0	1	0.113855	0	0	No change
NM_001011789	Olfr222	0	1	0.113855	0	0	No change
NM_001011790	Olfr1382	0	1	-0.886145	0.0744583	0	No change
NM_001011791	Olfr193	0	1	-0.886145	0.224816	0.0771946	No change
NM_001011792	Olfr207	0	1	0.113855	0	0	No change
NM_001011793	Olfr598	0	1	0.113855	0	0	No change
NM_001011794	Olfr1322	0	1	0.113855	0	0	No change
NM_001011795	Olfr1275	0	1	-0.886145	0.0742204	0	No change
NM_001011796	Olfr1249	0	1	0.113855	0	0	No change
NM_001011797	Olfr782	0	1	0.113855	0	0	No change
NM_001011798	Olfr884	0	1	0.113855	0	0	No change
NM_001011799	Olfr453	0	1	0.113855	0	0	No change
NM_001011801	Olfr213	0	1	0.113855	0	0	No change
NM_001011802	Olfr1318	0	1	-0.471108	0.125573	0.0646766	No change
NM_001011803	Olfr1306	0	1	0.113855	0	0	No change
NM_001011804	Olfr1211	0	1	0.113855	0	0	No change
NM_001011805	Olfr1385	0	1	0.113855	0	0	No change
NM_001011806	Olfr901	0	1	0.113855	0	0	No change
NM_001011807	Olfr191	0	1	-2.20807	0.299755	0	No change
NM_001011808	Olfr198	0	1	-0.886145	0.0756709	0	No change
NM_001011809	Olfr728	0	1	0.113855	0	0	No change
NM_001011810	Olfr485	0	1	0.113855	0	0	No change
NM_001011811	Olfr487	0	1	0.113855	0	0	No change
NM_001011812	Olfr951	0	1	0.113855	0	0	No change
NM_001011813	Olfr93	0	1	-1.47111	0.148441	0	No change
NM_001011814	Olfr524	0	1	1.11385	0	0.0750167	No change
NM_001011815	Olfr533	0	1	0.113855	0	0	No change
NM_001011816	Olfr1181	0	1	0.113855	0	0	No change
NM_001011818	Olfr316	0	1	-2.88615	0.529697	0	No change
NM_001011819	Olfr312	0	1	0.113855	0	0	No change
NM_001011820	Olfr1359	0	1	0.113855	0	0	No change
NM_001011821	Olfr804	0	1	0.113855	0	0	No change
NM_001011822	Olfr787	0	1	-2.88615	0.519543	0	No change
NM_001011823	Olfr834	0	1	0.113855	0.0742204	0.0764547	No change
NM_001011824	Olfr832	0	1	0.113855	0.0742204	0.0764547	No change
NM_001011825	Olfr1105	0	1	0.113855	0	0	No change
NM_001011826	Olfr967	0	1	0.113855	0	0	No change
NM_001011827	Olfr963	0	1	0.113855	0	0	No change
NM_001011828	Olfr304	0	1	0.113855	0	0	No change
NM_001011830	Olfr119	0	1	0.113855	0	0	No change
NM_001011831	Olfr1500	0	1	0.113855	0	0	No change
NM_001011832	Olfr1490	0	1	-0.886145	0.0732838	0	No change
NM_001011833	Olfr1137	0	1	-0.886145	0.0746977	0	No change
NM_001011834	Olfr1152	0	1	0.113855	0	0	No change
NM_001011835	Olfr1162	0	1	0.113855	0	0	No change

NM_001011836	Olfr1129	0	1	0.113855	0	0	No change
NM_001011837	Olfr748	0	1	0.113855	0	0	No change
NM_001011839	Olfr1437	0	1	0.113855	0	0	No change
NM_001011840	Olfr1463	0	1	0.113855	0	0	No change
NM_001011841	Olfr1465	0	1	0.113855	0	0	No change
NM_001011842	Olfr1474	0	1	0.113855	0	0	No change
NM_001011845	Olfr597	0	1	0.113855	0	0	No change
NM_001011846	Olfr517	0	1	0.113855	0	0	No change
NM_001011847	Olfr591	0	1	0.113855	0	0	No change
NM_001011848	Olfr675	0	1	0.113855	0	0	No change
NM_001011849	Olfr792	0	1	-1.47111	0.148917	0	No change
NM_001011850	Olfr1505	0	1	1.11385	0	0.07549	No change
NM_001011851	Olfr412	0	1	-0.886145	0.0742204	0	No change
NM_001011852	Olfr1029	0	1	0.113855	0	0	No change
NM_001011853	Olfr1425	0	1	1.69882	0	0.1534	No change
NM_001011854	Olfr605	0	1	0.113855	0	0	No change
NM_001011855	Olfr169	0	1	0.113855	0	0	No change
NM_001011856	Olfr1331	0	1	0.113855	0	0	No change
NM_001011857	Olfr685	0	1	0.113855	0	0	No change
NM_001011858	Olfr504	0	1	0.113855	0	0	No change
NM_001011859	Olfr965	0	1	-0.886145	0.0742204	0	No change
NM_001011860	Olfr1222	0	1	0.113855	0	0	No change
NM_001011861	Olfr331	0	1	-1.47111	0.147498	0	No change
NM_001011862	Olfr699	0	1	-2.20807	0.293135	0	No change
NM_001011863	Olfr406-ps	0	1	0.113855	0	0	No change
NM_001011864	Olfr917	0	1	0.113855	0	0	No change
NM_001011865	Olfr624	0	1	0.113855	0	0	No change
NM_001011866	Olfr309	0	1	0.113855	0	0	No change
NM_001011867	Olfr538	0	1	-1.47111	0.149395	0	No change
NM_001011868	Olfr1178	0	1	0.113855	0	0	No change
NM_001011869	Olfr452	0	1	0.113855	0	0	No change
NM_001011870	Olfr1329	0	1	0.113855	0	0	No change
NM_001011871	Olfr506	0	1	0.113855	0	0	No change
NM_001011872	Olfr1034	0	1	-0.14918	0.34063	0.280708	No change
NM_001011873	Xkr9	0	1	-0.301183	0.108556	0.0745493	No change
NM_001011874	Xkr4	0	1	0.435783	0.134246	0.177798	No change
NM_001011876	Ang6	0	1	0.113855	0	0	No change
NM_001012236	Trex1	0	1	0.432216	5.25984	6.77273	No change
NM_001012265	Olfr857	0	1	-0.886145	0.0749386	0	No change
NM_001012266	Olfr835	0	1	0.113855	0	0	No change
NM_001012269	Olfr1513	0	1	0.113855	0	0	No change
NM_001012307	Defa23	0	1	1.11385	0	0.171749	No change
NM_001012322	Sctr	0	1	-0.886145	0.181303	0.0747044	No change
NM_001012323	Mup20	0	1	0.113855	0	0	No change
NM_001012325	Zfp708	0	1	-0.162476	2.96566	2.51749	No change
NM_001012335	Mdk	0	1	-0.533843	3.73645	2.4265	No change
NM_001012392	U46068	0	1	-1.88615	0.124972	0	No change
NM_001012400	AU022252	0	1	-0.371572	7.01782	5.15265	No change
NM_001012450	Ankrd6	0	1	0.289297	1.69336	1.97186	No change
NM_001012477	Cxcl12	0	1	0.330666	2.26164	2.70957	No change
NM_001012520	Klri1	0	1	0.435783	0.249497	0.342678	No change
NM_001012638	Acd	0	1	-0.232073	9.58584	7.75846	No change
NM_001012723	Wfdc16	0	1	0.0250455	16.5995	16.0745	No change
NM_001012765	Adcy5	0	1	-0.125972	1.51506	1.31948	No change
NM_001012766	Ear12	0	1	-0.886145	0.443904	0.152422	No change
NM_001013013	Dhrs7c	0	1	0.113855	0	0	No change
NM_001013019	Lrrn4cl	0	1	-0.793036	0.37774	0.194555	No change
NM_001013023	Mterf	0	1	-0.0478963	3.29218	3.02607	No change
NM_001013024	Usp13	0	1	-0.471108	0.0297452	0.0153203	No change
NM_001013026	Ttf2	0	1	-0.249616	3.49923	2.79828	No change
NM_001013256	1500010J02Rik	0	1	-0.167327	4.80007	4.06592	No change
NM_001013365	Osm	0	1	-0.301183	0.109638	0.0752921	No change
NM_001013366	Wdr91	0	1	0.376889	2.7486	3.40306	No change
NM_001013367	Prkaa1	0	1	0.0949463	5.73413	5.82964	No change
NM_001013369	Pfdn4	0	1	-0.232321	6.29704	5.0841	No change
NM_001013371	Dtx3l	0	1	0.141467	2.77104	2.90988	No change
NM_001013372	Nrp	0	1	0.403361	2.08483	2.63847	No change
NM_001013373	Tmprss13	0	1	-0.264657	0.816378	0.641781	No change
NM_001013374	Lman2l	0	1	-0.323725	5.35618	4.06547	No change
NM_001013380	Dync1li2	0	1	-0.0229382	33.5754	31.456	No change
NM_001013384	Podn1	0	1	-0.301183	0.234544	0.172574	No change
NM_001013385	Grm4	0	1	-0.886145	0.0234262	0	No change
NM_001013386	Rasl10b	0	1	-1.26466	0.240251	0.0824947	No change
NM_001013390	Scn4b	0	1	-0.301183	0.180637	0.135327	No change
NM_001013393	Gm11487	0	1	0.113855	0	0	No change
NM_001013411	Nkain2	0	1	-0.0877791	0.478391	0.425594	No change

NM_001013412	Ccl26	0	1	0.113855	0	0	No change
NM_001013577	1110054O05Rik	0	1	0.125978	5.11428	5.31289	No change
NM_001013607	Vmo1	0	1	-0.886145	0.10371	0	No change
NM_001013741	Ddn	0	1	1.49237	0.0745379	0.230345	No change
NM_001013756	Grlh3	0	1	-2.6935	0.150471	0	No change
NM_001013757	Vwde	0	1	0.113855	0	0	No change
NM_001013758	Lingo3	0	1	0.113855	0.0202773	0.0208877	No change
NM_001013759	Gas2l2	0	1	0.336247	0.133511	0.165037	No change
NM_001013761	Gm606	0	1	-0.301183	0.187714	0.140629	No change
NM_001013762	Gm4952	0	1	1.11385	0	0.0455238	No change
NM_001013764	Ces1a	0	1	-0.784266	1.40865	0.761804	No change
NM_001013765	Zscan4c	0	1	-2.88615	0.214346	0	No change
NM_001013766	Samd3	0	1	-0.886145	0.0266004	0	No change
NM_001013776	Fbxw24	0	1	-1.10854	0.608876	0.241233	No change
NM_001013778	Fam18a	0	1	0.0900081	2.55463	2.58804	No change
NM_001013779	Aim2	0	1	0.113855	0.357118	0.367869	No change
NM_001013784	E130309D14Rik	0	1	0.0358523	0.644338	0.627857	No change
NM_001013787	Vmn1r209	0	1	-0.886145	0.0742204	0	No change
NM_001013797	Spink6	0	1	0.765932	0.712364	1.22301	No change
NM_001013799	A530098C11Rik	0	1	0.435783	0.449218	0.594953	No change
NM_001013802	Macrod2	0	1	-0.353271	1.69354	1.25151	No change
NM_001013804	Flg2	0	1	0.113855	0	0	No change
NM_001013811	Fam169b	0	1	-0.608611	0.791122	0.48387	No change
NM_001013817	Sp140	0	1	0.265858	1.78848	2.05032	No change
NM_001013820	Gm5631	0	1	0.113855	0	0	No change
NM_001013823	Krtap4-16	0	1	0.113855	0	0	No change
NM_001013824	Gm5662	0	1	1.11385	0	0.0389956	No change
NM_001013829	Shf	0	1	-0.230974	5.63627	4.56181	No change
NM_001013832	Gpr31c	0	1	-0.371572	0.435581	0.299129	No change
NM_001014395	Fbxw22	0	1	0.113855	0	0	No change
NM_001014397	Gm13154	0	1	-0.0560702	0.197221	0.177763	No change
NM_001014398	Trcg1	0	1	-0.886145	0.129013	0.0531588	No change
NM_001014399	Abi3bp	0	1	0.413415	1.14839	1.46022	No change
NM_001014995	Fam189b	0	1	0.229332	0.250612	0.281625	No change
NM_001014997	Gm156	0	1	0.113855	0	0	No change
NM_001015039	Zfyve28	0	1	-0.886145	0.43777	0.216455	No change
NM_001015099	G2e3	0	1	-0.0525385	4.81148	4.41524	No change
NM_001015681	E130308A19Rik	0	1	0.20079	3.09403	3.38637	No change
NM_001015876	Tyw1	0	1	0.158249	3.63794	3.86531	No change
NM_001017362	Arid3c	0	1	-2.47111	0.199009	0	No change
NM_001017422	Ear4	0	1	0.113855	0	0	No change
NM_001017525	Btbd11	0	1	1.05245	0.194821	0.401373	No change
NM_001017955	Zscan18	0	1	0.191299	5.20871	5.6625	No change
NM_001017968	Zdhhc18	0	1	0.439625	1.81148	2.34512	No change
NM_001018002	Dppa4	0	1	-3.05607	0.404603	0	No change
NM_001018019	Grxcr1	0	1	0.113855	0	0	No change
NM_001018031	Otol1	0	1	0.113855	0	0	No change
NM_001018063	Cxx1b	0	1	0.13247	4.29924	4.48694	No change
NM_001018079	Lce3f	0	1	0.113855	0	0	No change
NM_001018087	Ldoc1	0	1	0.113855	0	0	No change
NM_001024134	Trim15	0	1	0.239386	0.378149	0.428487	No change
NM_001024136	Anks6	0	1	0.288533	1.96208	2.28389	No change
NM_001024138	Gpr139	0	1	0.113855	0	0	No change
NM_001024147	Gm5868	0	1	-0.886145	0.0505021	0	No change
NM_001024148	Ugt2a2	0	1	0.113855	0	0	No change
NM_001024225	Defa24	0	1	-0.886145	0.166332	0	No change
NM_001024230	Gm5431	0	1	-0.14918	0.961767	0.821573	No change
NM_001024468	Bcat1	0	1	-0.0381483	0.346997	0.320782	No change
NM_001024478	Cdhr3	0	1	-0.181601	0.613619	0.510535	No change
NM_001024512	Fam149b	0	1	-0.143704	7.51422	6.47005	No change
NM_001024602	AW555464	0	1	0.133709	4.53424	4.73561	No change
NM_001024616	B230208H17Rik	0	1	0.137291	22.907	23.9834	No change
NM_001024617	Inpp4b	0	1	-0.371572	0.574857	0.417997	No change
NM_001024618	Xirp2	0	1	0.113855	0	0	No change
NM_001024645	Lrrc16b	0	1	0.113855	0.106101	0.109295	No change
NM_001024673	Il28a	0	1	-0.886145	0.119747	0	No change
NM_001024698	Cpa2	0	1	0.28378	0.368189	0.433455	No change
NM_001024699	Zbtb45	0	1	0.508714	1.72604	2.3483	No change
NM_001024702	C1ql4	0	1	0.599282	0.388803	0.600761	No change
NM_001024705	Prpmp5	0	1	0.113855	0	0	No change
NM_001024707	Lrp3	0	1	-0.137684	0.424741	0.364606	No change
NM_001024709	Krtap10-10	0	1	0.113855	0.0534046	0.0550122	No change
NM_001024714	Cma2	0	1	0.113855	0	0	No change
NM_001024719	Cyp2c67	0	1	0.113855	0	0	No change
NM_001024721	BC094916	0	1	-0.886145	0.269293	0.11096	No change
NM_001024726	Zfp607	0	1	0.0549611	2.95763	2.92398	No change

NM_001024842	Hoxc11	0	1	0.113855	0	0	No change
NM_001024850	Rhox10	0	1	-1.47111	0.183402	0	No change
NM_001024851	Ankrd34a	0	1	2.11385	0	0.0832842	No change
NM_001024853	Timm9	0	1	-0.18745	13.4981	11.2699	No change
NM_001024919	Bod1	0	1	-0.0719067	34.1008	30.8773	No change
NM_001024920	Trp53i13	0	1	-0.579484	3.82648	2.41756	No change
NM_001024926	Cyb5d2	0	1	-0.235834	6.51171	5.25742	No change
NM_001024928	Zfp667	0	1	-0.0503746	2.9806	2.73787	No change
NM_001024932	Pilrb2	0	1	-1.76061	0.385683	0.0794587	No change
NM_001024950	Zfp563	0	1	0.265098	2.06392	2.36229	No change
NM_001025074	Ntrk2	0	1	0.215734	0.605368	0.670361	No change
NM_001025083	Rhox12	0	1	-0.886145	0.0745379	0	No change
NM_001025084	Rhox1	0	1	-1.47111	0.158034	0	No change
NM_001025086	Rhox7	0	1	-0.886145	0.0708982	0	No change
NM_001025102	2700007P21Rik	0	1	-0.15122	11.9034	10.2	No change
NM_001025106	Tmem201	0	1	0.308358	1.44816	1.70931	No change
NM_001025156	Ccdc93	0	1	-0.130071	3.01593	2.62191	No change
NM_001025163	Zfp78	0	1	-0.279809	0.968161	0.755535	No change
NM_001025244	Krtap31-2	0	1	0.113855	0	0	No change
NM_001025245	Mbp	0	1	0.245099	1.20011	1.35539	No change
NM_001025296	Dffa	0	1	0.269506	2.21608	2.54619	No change
NM_001025310	St6galnac6	0	1	0.181418	4.20711	4.54298	No change
NM_001025313	Tapbp	0	1	0.100109	29.3724	29.9695	No change
NM_001025351	Defb46	0	1	1.11385	0	0.412592	No change
NM_001025371	Serinc4	0	1	0.127167	23.7077	24.648	No change
NM_001025372	Adcyap1r1	0	1	-0.166253	0.18105	0.151532	No change
NM_001025381	Gpr17	0	1	-0.123184	0.429458	0.373263	No change
NM_001025382	Fam196b	0	1	-0.368014	1.03806	0.761885	No change
NM_001025383	Gm14685	0	1	0.00915743	2.48814	2.38181	No change
NM_001025384	DXBay18	0	1	0.00915743	2.41076	2.30775	No change
NM_001025385	Tas2r137	0	1	-1.10854	0.417323	0.143295	No change
NM_001025386	Olftr243	0	1	0.113855	0	0	No change
NM_001025435	BC053393	0	1	0.113855	0	0	No change
NM_001025561	Pus1	0	1	0.290178	3.69358	4.30438	No change
NM_001025567	Dmbx1	0	1	-0.886145	0.0173495	0	No change
NM_001025571	Sh2d2a	0	1	-1.14918	0.16194	0.0606599	No change
NM_001025573	2010107G12Rik	0	1	0.976351	0.322952	0.63208	No change
NM_001025576	Ccdc141	0	1	0.403361	1.27736	1.61073	No change
NM_001025577	Maf	0	1	0.218824	2.00927	2.22745	No change
NM_001025581	Kcnc2	0	1	0.0685308	1.07981	1.07756	No change
NM_001025594	Zbtb43	0	1	0.113855	5.52299	5.68926	No change
NM_001025602	Il1r1	0	1	-0.400718	0.123691	0.084943	No change
NM_001025606	Tmem171	0	1	-1.47111	0.12068	0	No change
NM_001025608	D4Erttd22e	0	1	0.193237	10.5608	11.4954	No change
NM_001025610	Ms4a7	0	1	0.320306	5.09754	6.07147	No change
NM_001025617	Cant1	0	1	-0.0758629	15.331	13.8434	No change
NM_001026211	Dnajc19	0	1	-0.175652	3.86683	3.24217	No change
NM_001029836	Npnt	0	1	0.328359	2.46936	2.9546	No change
NM_001029841	Sla	0	1	0.0329348	1.34025	1.3039	No change
NM_001029842	Slc16a6	0	1	-0.18213	2.03326	1.70282	No change
NM_001029843	Vrk1	0	1	-0.301183	2.30189	1.77357	No change
NM_001029856	Atad5	0	1	-0.301183	1.83049	1.41173	No change
NM_001029867	Ugt2b36	0	1	0.113855	0	0	No change
NM_001029868	Pdzd4	0	1	0.113855	0.947487	0.97601	No change
NM_001029877	Nova2	0	1	-0.216294	0.357955	0.291554	No change
NM_001029878	Lonrf2	0	1	0.0245875	0.672632	0.65046	No change
NM_001029890	Mex3a	0	1	0.397162	1.26692	1.59094	No change
NM_001029893	Psg26	0	1	0.113855	0	0	No change
NM_001029895	Ate1	0	1	-0.139002	30.838	26.6518	No change
NM_001029912	Zswim5	0	1	-0.075623	1.66581	1.50313	No change
NM_001029933	Zfp114	0	1	-1.47111	0.342854	0.0963206	No change
NM_001029937	Sec14i3	0	1	-3.05607	0.141941	0	No change
NM_001029938	Rilp	0	1	0.666396	0.656154	1.01386	No change
NM_001029984	Fcrfb	0	1	-0.886145	0.054278	0	No change
NM_001029987	Doxl2	0	1	1.69882	0.0304602	0.156886	No change
NM_001029990	Mettl17	0	1	0.184244	2.53351	2.74244	No change
NM_001030274	Ndufs5	0	1	0.113855	39.981	41.1846	No change
NM_001030289	Mmp27	0	1	1.11385	0	0.043352	No change
NM_001030290	Rdh8	0	1	-0.886145	0.0480641	0	No change
NM_001030291	Enpp7	0	1	0.113855	0	0	No change
NM_001030292	Kcnk15	0	1	0.113855	0	0	No change
NM_001030294	Olfm4	0	1	0.113855	0.0424957	0.043775	No change
NM_001030296	Prr7	0	1	-1.62311	0.461203	0.105575	No change
NM_001030297	Tmprss11c	0	1	0.113855	0	0	No change
NM_001031622	Gm16367	0	1	-2.6935	0.205888	0	No change
NM_001031667	Gsk3a	0	1	0.023657	18.2948	17.7014	No change

NM_001031851	Agxt2	0	1	1.11385	0	0.0393375	No change
NM_001033041	Acmsd	0	1	-0.301183	0.0907854	0.0623456	No change
NM_001033042	Lrrc14b	0	1	0.336247	1.49741	1.80392	No change
NM_001033122	Cd69	0	1	-1.62311	0.387183	0.0886308	No change
NM_001033124	Ntrk1	0	1	0.435783	0.296222	0.388359	No change
NM_001033126	Cd27	0	1	-0.383645	1.01709	0.728842	No change
NM_001033131	Krtdap	0	1	0.113855	0	0	No change
NM_001033141	Ecscr	0	1	0.403361	2.76012	3.48939	No change
NM_001033145	1190002N15Rik	0	1	0.0414463	2.50542	2.45362	No change
NM_001033156	Fbxo33	0	1	0.204482	10.2739	11.2707	No change
NM_001033157	5730507C01Rik	0	1	-0.118806	1.29793	1.13354	No change
NM_001033158	Rasl12	0	1	-0.281283	2.72574	2.12802	No change
NM_001033163	Ephx3	0	1	1.03985	0.259618	0.534867	No change
NM_001033165	Dnajc25	0	1	0.451724	2.70837	3.5365	No change
NM_001033167	Slc22a23	0	1	-0.135505	0.691243	0.597205	No change
NM_001033177	Krt76	0	1	-2.20807	0.120576	0	No change
NM_001033178	Tmem181a	0	1	0.418709	2.49836	3.18815	No change
NM_001033194	Gtf3c3	0	1	0.170562	10.3902	11.133	No change
NM_001033196	Znfx1	0	1	-0.00155239	16.5779	15.7634	No change
NM_001033197	AU015228	0	1	1.11385	0	0.0240748	No change
NM_001033199	Al747448	0	1	1.69882	0	0.0479086	No change
NM_001033202	Usp30	0	1	-0.082655	6.64456	5.96972	No change
NM_001033204	Rpusd3	0	1	0.349668	5.82147	7.07161	No change
NM_001033205	Zfp575	0	1	0.698817	0.12713	0.209532	No change
NM_001033209	Xylb	0	1	-0.0399505	1.58885	1.4693	No change
NM_001033211	AU022751	0	1	-0.433633	0.681779	0.468202	No change
NM_001033217	Prickle1	0	1	0.0999156	3.53156	3.60273	No change
NM_001033221	AU023871	0	1	0.528892	0.804625	1.11576	No change
NM_001033227	Slc5a10	0	1	-0.0787903	0.462359	0.412774	No change
NM_001033231	Fam195b	0	1	0.0707861	35.3381	35.3295	No change
NM_001033233	Tmprss11a	0	1	-2.20807	0.10492	0	No change
NM_001033235	Trim40	0	1	-0.886145	0.0317219	0	No change
NM_001033236	Mettl21d	0	1	-0.0116761	4.00378	3.77479	No change
NM_001033239	Csta	0	1	0.528892	0.0510384	0.0788623	No change
NM_001033245	Hk3	0	1	-1.17565	0.45466	0.178418	No change
NM_001033251	Gpr174	0	1	-1.34558	0.138006	0.0426481	No change
NM_001033254	Pak6	0	1	-0.638218	0.522234	0.312361	No change
NM_001033263	Agap2	0	1	-0.139902	0.371168	0.318618	No change
NM_001033264	Gis2	0	1	0.467492	0.481618	0.642033	No change
NM_001033269	Eif4e1b	0	1	-0.886145	0.0367579	0	No change
NM_001033279	D17Wsu92e	0	1	0.12895	24.3349	25.3313	No change
NM_001033280	Gm94	0	1	0.113855	0	0	No change
NM_001033281	Prdm6	0	1	-1.14918	0.294741	0.110405	No change
NM_001033283	Gm97	0	1	0.113855	0	0	No change
NM_001033286	Slc30a10	0	1	0.113855	0	0	No change
NM_001033291	Usp40	0	1	0.109555	9.26202	9.51241	No change
NM_001033302	Gm129	0	1	-0.670416	3.0475	1.80121	No change
NM_001033303	Ampd1	0	1	-1.30118	0.208305	0.0613074	No change
NM_001033306	Shb	0	1	0.400953	2.74302	3.4535	No change
NM_001033308	BC013712	0	1	-0.54911	1.01441	0.649564	No change
NM_001033310	Cox18	0	1	0.113855	4.30657	4.43622	No change
NM_001033311	Vsig10	0	1	0.113855	5.46679	5.63136	No change
NM_001033312	Fbxl18	0	1	-0.554524	2.16636	1.39474	No change
NM_001033313	Pdap1	0	1	0.00693961	22.5561	21.5731	No change
NM_001033314	Ccdc61	0	1	-0.301183	3.98741	3.07165	No change
NM_001033316	Ffar3	0	1	0.113855	0	0	No change
NM_001033320	Rltpr	0	1	-0.803683	0.445322	0.229364	No change
NM_001033322	Gucy1a2	0	1	0.637417	0.409725	0.612667	No change
NM_001033324	Zbtb16	0	1	-0.133363	1.71711	1.48804	No change
NM_001033333	Gm239	0	1	-1.47111	0.111903	0.0230543	No change
NM_001033335	Serpina3f	0	1	-0.886145	0.472388	0.227084	No change
NM_001033339	Mmp25	0	1	-1.6935	0.268606	0.063852	No change
NM_001033340	Lrrc30	0	1	1.11385	0	0.0408135	No change
NM_001033341	Zfp407	0	1	-0.150253	7.10325	6.09152	No change
NM_001033343	Sec31b	0	1	0.229332	0.834965	0.933301	No change
NM_001033346	Lrrc55	0	1	-1.54911	0.432577	0.123778	No change
NM_001033349	Gm410	0	1	-0.14918	0.198104	0.163254	No change
NM_001033350	Bank1	0	1	-0.709267	0.472203	0.265319	No change
NM_001033351	Grin3a	0	1	-0.301183	0.0624489	0.0428859	No change
NM_001033354	Iqsec3	0	1	-3.05607	0.0815122	0	No change
NM_001033355	Zfp568	0	1	0.154882	2.01037	2.13092	No change
NM_001033356	Ntn5	0	1	-1.07057	1.06266	0.456105	No change
NM_001033360	Gpr101	0	1	-0.886145	0.0128822	0	No change
NM_001033364	Cdhr2	0	1	0.0336845	0.607935	0.591445	No change
NM_001033366	Dpcr1	0	1	0.113855	0	0	No change
NM_001033373	Cdk15	0	1	-0.886145	0.0471855	0	No change

NM_001033374	Gm694	0	1	-0.301183	0.231026	0.158654	No change
NM_001033378	A430078G23Rik	0	1	-1.38865	0.37583	0.120982	No change
NM_001033380	Itpril2	0	1	0.298887	0.95442	1.11912	No change
NM_001033382	Cacna2d4	0	1	-2.88615	0.0840687	0	No change
NM_001033383	Zfp865	0	1	0.0980875	1.60234	1.63244	No change
NM_001033385	D630037F22Rik	0	1	0.0917948	6.33485	6.42638	No change
NM_001033391	Ipcef1	0	1	0.34832	1.959	2.38488	No change
NM_001033393	Tmem104	0	1	0.0657605	0.915807	0.911931	No change
NM_001033394	Tmem88b	0	1	-1.6935	0.401573	0.103415	No change
NM_001033397	Krt26	0	1	0.113855	0	0	No change
NM_001033399	Gfod1	0	1	-0.471108	0.27232	0.183415	No change
NM_001033404	Gm813	0	1	-0.886145	0.0992777	0	No change
NM_001033405	Trem12	0	1	2.69882	0	0.0796085	No change
NM_001033407	Gm815	0	1	0.113855	0	0	No change
NM_001033410	Gm757	0	1	-3.05607	0.275875	0	No change
NM_001033411	Gm826	0	1	0.113855	0.0635305	0.065443	No change
NM_001033412	Gm829	0	1	0.113855	0	0	No change
NM_001033419	Ceacam16	0	1	-1.47111	0.0852513	0	No change
NM_001033424	Fnd3c2	0	1	-0.886145	0.0190522	0	No change
NM_001033426	Grxcr2	0	1	0.113855	0	0	No change
NM_001033427	Lyg2	0	1	-0.886145	0.081544	0.0279996	No change
NM_001033428	Tmem211	0	1	0.113855	0	0	No change
NM_001033429	Trim75	0	1	-1.88615	0.0834979	0	No change
NM_001033431	Nlrp12	0	1	-1.47111	0.0321982	0	No change
NM_001033432	Heca	0	1	0.163653	10.2629	10.9439	No change
NM_001033435	Gm885	0	1	0.988324	0.263988	0.543871	No change
NM_001033437	Gm889	0	1	-1.47111	0.11491	0	No change
NM_001033439	Lrch1	0	1	0.252561	1.59907	1.81498	No change
NM_001033440	Gm1587	0	1	-0.886145	0.0514719	0	No change
NM_001033442	Gm1604b	0	1	-0.886145	0.267707	0.0919219	No change
NM_001033444	Capn13	0	1	0.251358	0.239953	0.27464	No change
NM_001033450	Mnda	0	1	-0.0436865	3.63028	3.34822	No change
NM_001033451	Zfp408	0	1	0.277635	3.39147	3.91587	No change
NM_001033452	Accsl	0	1	0.113855	0	0	No change
NM_001033457	Nom1	0	1	0.285679	4.95839	5.75625	No change
NM_001033458	Gm1673	0	1	-0.645137	3.41154	2.00814	No change
NM_001033463	Tatdn2	0	1	0.106713	10.6409	10.907	No change
NM_001033464	Efcab4b	0	1	-0.886145	0.445933	0.196867	No change
NM_001033468	Gpr114	0	1	-0.471108	0.123921	0.0765907	No change
NM_001033469	Foxr1	0	1	-3.05607	0.33466	0	No change
NM_001033473	Odf3l2	0	1	1.11385	0	0.0575248	No change
NM_001033478	Fam47e	0	1	0.113855	0.277846	0.28621	No change
NM_001033481	Gm98	0	1	-0.752879	0.373555	0.205227	No change
NM_001033484	Iqgap3	0	1	-0.936771	0.343799	0.164426	No change
NM_001033488	Mfsd2b	0	1	-0.395159	0.802863	0.574328	No change
NM_001033489	Rnf207	0	1	0.791927	0.67472	1.12943	No change
NM_001033491	Gm1965	0	1	-0.208073	0.264489	0.204339	No change
NM_001033493	Gpr111	0	1	0.113855	0.0636853	0.0656025	No change
NM_001033499	Sh2d1b2	0	1	0.113855	0	0	No change
NM_001033500	Wdr72	0	1	0.661343	0.507538	0.770467	No change
NM_001033525	Kcnk6	0	1	-0.351809	0.971508	0.719841	No change
NM_001033533	Ccdc102a	0	1	0.34518	0.665471	0.810141	No change
NM_001033534	Layn	0	1	-0.0329866	1.17065	1.08531	No change
NM_001033535	Tnfaip8l3	0	1	1.11385	0.156613	0.354922	No change
NM_001033538	Cass4	0	1	0.229332	0.205474	0.230901	No change
NM_001033541	Gm5127	0	1	1.11385	0	0.0396854	No change
NM_001033606	Acsl3	0	1	0.176743	7.37172	7.93281	No change
NM_001033621	Myot	0	1	-0.208073	0.126313	0.0975863	No change
NM_001033632	Ifitm6	0	1	0.92121	0.386467	0.796203	No change
NM_001033638	Crxos1	0	1	0.113855	0	0	No change
NM_001033654	Pus10	0	1	-0.244078	7.7656	6.2368	No change
NM_001033711	Evi2a	0	1	0.333421	2.18549	2.6265	No change
NM_001033767	Gm4951	0	1	0.144228	1.21068	1.27424	No change
NM_001033776	Vrtn	0	1	-2.47111	0.115081	0	No change
NM_001033779	Gm5544	0	1	0.113855	0.469313	0.483441	No change
NM_001033780	I830077J02Rik	0	1	0.113855	0.784536	0.808154	No change
NM_001033783	Gm5615	0	1	0.113855	0	0	No change
NM_001033786	4930428E23Rik	0	1	-1.47111	1.0905	0.306363	No change
NM_001033789	Gm5820	0	1	0.413415	0.382403	0.492393	No change
NM_001033790	B020004J07Rik	0	1	-0.471108	0.388163	0.254449	No change
NM_001033791	Gm12888	0	1	-2.20807	0.236047	0	No change
NM_001033793	Ubtfl1	0	1	-3.05607	0.211271	0	No change
NM_001033795	Zcchc16	0	1	-0.748642	0.364382	0.197554	No change
NM_001033805	G630016D24Rik	0	1	0.3065	2.32878	2.74994	No change
NM_001033819	9130409I23Rik	0	1	0.113855	0	0	No change
NM_001033851	Cpne8	0	1	-0.301183	2.68816	2.05117	No change

NM_001033875	Ctrc	0	1	0.113855	0	0	No change
NM_001033876	Kcnk9	0	1	0.113855	0	0	No change
NM_001033878	Vmn2r66	0	1	0.113855	0	0	No change
NM_001033904	Khdc1c	0	1	0.113855	0	0	No change
NM_001033922	Trem14	0	1	-1.47111	0.0805699	0	No change
NM_001033954	Calca	0	1	-0.471108	0.140227	0.0722243	No change
NM_001033960	Rabgap1	0	1	0.147252	7.00547	7.38576	No change
NM_001033978	H2-Eb2	0	1	-1.47111	0.0412384	0	No change
NM_001033981	Hbq1b	0	1	-0.471108	0.186345	0.0959772	No change
NM_001033983	7420426K07Rik	0	1	0.113855	0	0	No change
NM_001034013	Accn1	0	1	0.265858	0.210951	0.244464	No change
NM_001034029	Il17re	0	1	-0.301183	1.13829	0.869964	No change
NM_001034060	Rufy4	0	1	-2.20807	0.12089	0	No change
NM_001034097	BC096441	0	1	-0.2301	3.05589	2.47334	No change
NM_001034101	Gm13119	0	1	0.113855	0	0	No change
NM_001034857	C330019L16Rik	0	1	0.182296	3.52187	3.80486	No change
NM_001034860	Gm4858	0	1	0.113855	0	0	No change
NM_001034862	Erich1	0	1	-0.263215	4.3696	3.45542	No change
NM_001034863	Tmem136	0	1	1.29828	0.199123	0.492281	No change
NM_001034868	Mrgprx2	0	1	0.113855	0	0	No change
NM_001034872	Gm853	0	1	0.113855	0	0	No change
NM_001034873	Ksr2	0	1	0.902351	0.305269	0.566026	No change
NM_001034874	Shisa6	0	1	-1.6935	0.186171	0.0479438	No change
NM_001034875	Gm1006	0	1	-0.886145	0.0329517	0	No change
NM_001034877	Gm5155	0	1	0.113855	0	0	No change
NM_001034885	Pnpla1	0	1	0.3023	0.652934	0.768674	No change
NM_001034891	2210404J11Rik	0	1	0.0943586	6.5282	6.63385	No change
NM_001034894	Foxr2	0	1	0.113855	0.0217247	0.0223787	No change
NM_001034895	Zfr2	0	1	0.0248498	2.41975	2.34218	No change
NM_001034896	Tmem92-ps	0	1	0.113855	0	0	No change
NM_001034898	Ms4a15	0	1	-1.20807	0.162739	0.0419095	No change
NM_001034903	Gm5887	0	1	1.28378	0.186179	0.511423	No change
NM_001034907	Zc3h12b	0	1	0.872847	0.248534	0.448027	No change
NM_001034909	Gm6034	0	1	-0.301183	0.128034	0.0879253	No change
NM_001035123	Setd6	0	1	0.351546	2.75598	3.35512	No change
NM_001036740	B3gnt8	0	1	0.294427	1.37023	1.60617	No change
NM_001037127	Musk	0	1	0.961852	0.183295	0.356647	No change
NM_001037168	Psg27	0	1	0.113855	0	0	No change
NM_001037294	Alpk2	0	1	-0.886145	0.0865512	0.0396252	No change
NM_001037321	Fbxo40	0	1	-0.301183	0.0830337	0.0570222	No change
NM_001037493	Slc41a3	0	1	0.222496	11.0334	12.257	No change
NM_001037634	Plac1l	0	1	0.113855	0	0	No change
NM_001037707	Zfp27	0	1	0.28378	2.98204	3.45834	No change
NM_001037712	Kcnh6	0	1	0.573286	0.170996	0.251633	No change
NM_001037713	Xaf1	0	1	-0.336807	1.07302	0.801362	No change
NM_001037717	Slc38a6	0	1	-0.264657	1.44245	1.13395	No change
NM_001037722	Adam15	0	1	0.180007	7.9276	8.55055	No change
NM_001037727	Arhgap25	0	1	-0.156234	0.984711	0.836843	No change
NM_001037737	Arnt	0	1	0.181832	3.62103	3.91079	No change
NM_001037742	1110034B05Rik	0	1	0.0451421	4.19243	4.11541	No change
NM_001037747	Card9	0	1	0.515217	2.24955	3.07485	No change
NM_001037756	Brms1l	0	1	-0.0308803	5.94807	5.5396	No change
NM_001037757	ORF19	0	1	0.0242176	3.98314	3.85438	No change
NM_001037758	Btrc	0	1	-0.0680253	5.66358	5.14171	No change
NM_001037800	Cd209b	0	1	0.85082	0.150362	0.309778	No change
NM_001037801	Cd6	0	1	-0.623111	0.453948	0.270724	No change
NM_001037810	Spn	0	1	-0.264657	0.566993	0.438047	No change
NM_001037822	Krtap5-5	0	1	0.113855	0	0	No change
NM_001037842	Cml3	0	1	-0.886145	0.113692	0.039038	No change
NM_001037859	Csf1r	0	1	0.266502	4.01072	4.59462	No change
NM_001037906	Nell1	0	1	-0.0381483	0.223057	0.204242	No change
NM_001037907	Ripply2	0	1	0.113855	0	0	No change
NM_001037909	C130026I21Rik	0	1	0.113855	0.480132	0.494585	No change
NM_001037915	Ripply1	0	1	0.85082	0.205281	0.422922	No change
NM_001037917	Gm6377	0	1	0.435783	0.17417	0.230674	No change
NM_001037918	Lipt1	0	1	-0.361483	2.50984	1.84671	No change
NM_001037922	Gm6531	0	1	-2.47111	0.145375	0	No change
NM_001037929	Gm14092	0	1	-0.0381483	0.345775	0.316608	No change
NM_001037931	Gm6878	0	1	-1.47111	0.0690713	0	No change
NM_001037932	Gm11437	0	1	-1.47111	0.113599	0	No change
NM_001037937	Deptor	0	1	0.508134	1.45722	1.97969	No change
NM_001037939	Bglap	0	1	0.698817	0.595666	1.02266	No change
NM_001037987	Edil3	0	1	-1.30118	0.0910509	0.0267977	No change
NM_001038010	Kat2a	0	1	-0.236278	6.77475	5.46979	No change
NM_001038231	Banf1	0	1	0.227313	30.86	34.3978	No change
NM_001038499	Arsi	0	1	0.113855	0.121416	0.125071	No change

NM_001038500	Gm6084	0	1	-0.886145	0.0664375	0	No change
NM_001038590	Cldn19	0	1	0.113855	0	0	No change
NM_001038604	Clec5a	0	1	0.561314	0.182442	0.263108	No change
NM_001038607	Kcnh1	0	1	0.508134	0.335537	0.457462	No change
NM_001038609	Mapt	0	1	0.147643	2.71834	2.86684	No change
NM_001038612	Olfm1	0	1	-0.623111	0.598508	0.342514	No change
NM_001038641	2210009G21Rik	0	1	-0.283293	4.5644	3.56427	No change
NM_001038642	Ets1	0	1	0.293833	2.06218	2.40849	No change
NM_001038655	Gng7	0	1	0.184244	0.793584	0.859396	No change
NM_001038658	Faim2	0	1	0.285466	1.461	1.69711	No change
NM_001038660	Slc7a15	0	1	-1.20807	0.427564	0.146812	No change
NM_001038664	Gngt2	0	1	0.435783	1.34495	1.76329	No change
NM_001038676	Gm4745	0	1	0.113855	0	0	No change
NM_001038697	Gm5635	0	1	-2.6935	0.570474	0	No change
NM_001038699	Fn3k	0	1	0.933283	0.289182	0.539922	No change
NM_001038703	Gpr146	0	1	0.390065	1.81588	2.26891	No change
NM_001038845	P2rx7	0	1	0.396255	1.5364	1.93436	No change
NM_001038996	Try10	0	1	0.113855	0	0	No change
NM_001038997	Gm5771	0	1	0.113855	0	0	No change
NM_001039038	Nhlrc4	0	1	0.113855	0.292964	0.301784	No change
NM_001039042	Klk13	0	1	0.113855	0	0	No change
NM_001039047	Trim58	0	1	0.113855	0	0	No change
NM_001039048	Trim63	0	1	-0.208073	0.332575	0.266456	No change
NM_001039059	Kihl15	0	1	-0.0893595	3.02143	2.70046	No change
NM_001039071	Ldb3	0	1	-0.166253	0.229725	0.192271	No change
NM_001039077	Prosc	0	1	0.320306	4.96087	5.90403	No change
NM_001039079	Prkcz	0	1	0.368276	2.36738	2.91234	No change
NM_001039094	Negr1	0	1	0.58334	0.167766	0.244824	No change
NM_001039103	Rasa4	0	1	0.28378	0.577427	0.672394	No change
NM_001039105	Kcnrg	0	1	0.698817	0.407085	0.670944	No change
NM_001039118	Klra33	0	1	0.113855	0	0	No change
NM_001039120	Defb26	0	1	0.0207454	5.0627	4.88223	No change
NM_001039121	Defb43	0	1	-0.0683485	9.90733	8.97387	No change
NM_001039124	Kncn	0	1	1.69882	0	0.15098	No change
NM_001039128	Tas2r122	0	1	0.113855	0	0	No change
NM_001039149	Cd226	0	1	0.413415	0.389346	0.501334	No change
NM_001039150	Cd44	0	1	0.372942	0.827707	1.02315	No change
NM_001039153	Tctn1	0	1	0.0911942	13.0547	13.2376	No change
NM_001039154	Cdh8	0	1	0.113855	0	0	No change
NM_001039155	Triobp	0	1	-0.886145	0.0915326	0.0377152	No change
NM_001039173	Dok6	0	1	-0.886145	0.0699728	0	No change
NM_001039175	Elovl1	0	1	0.171188	3.21389	3.44669	No change
NM_001039181	Npr3	0	1	-0.264657	0.775149	0.611825	No change
NM_001039192	Gmfg	0	1	-0.14918	1.20527	1.02246	No change
NM_001039201	Hdhd2	0	1	-0.0512044	6.53464	6.00035	No change
NM_001039214	Mex3c	0	1	-0.118141	17.577	15.4139	No change
NM_001039218	Spink14	0	1	0.113855	0	0	No change
NM_001039219	Gm6086	0	1	0.113855	0.1717	0.176869	No change
NM_001039222	Gm6289	0	1	0.113855	0	0	No change
NM_001039238	Dcpp2	0	1	0.113855	0	0	No change
NM_001039243	Gm7092	0	1	-0.108538	0.459514	0.394456	No change
NM_001039351	Nolc1	0	1	0.202962	6.9117	7.57464	No change
NM_001039364	Mobp	0	1	1.11385	0	0.0223857	No change
NM_001039368	Polr2k	0	1	0.604841	4.05322	5.91493	No change
NM_001039385	Vgf	0	1	-1.88615	0.0818953	0	No change
NM_001039388	Wdr37	0	1	-0.125073	12.3236	10.7547	No change
NM_001039474	Tcerg1	0	1	-0.180179	7.27121	6.10606	No change
NM_001039482	Kihl20	0	1	0.0338327	4.782	4.65921	No change
NM_001039484	Kcnj10	0	1	-1.37157	0.167562	0.0531097	No change
NM_001039485	Fam38b	0	1	0.483089	0.149472	0.200833	No change
NM_001039493	Plekhm3	0	1	0.24086	2.64543	2.97662	No change
NM_001039502	Krtap1-4	0	1	0.113855	0	0	No change
NM_001039514	Dhps	0	1	-0.04421	5.49381	5.06633	No change
NM_001039518	B020018G12Rik	0	1	0.193082	6.39242	6.9596	No change
NM_001039532	Zfp784	0	1	0.0406058	3.24757	3.17807	No change
NM_001039536	Pigl	0	1	-0.203335	3.15448	2.59955	No change
NM_001039537	Lif	0	1	1.49237	0.0733996	0.226828	No change
NM_001039544	Mup3	0	1	0.113855	0	0	No change
NM_001039545	Myh2	0	1	-0.471108	0.022914	0.0118019	No change
NM_001039551	Cnmn3	0	1	0.376889	1.56984	1.94323	No change
NM_001039555	Cyp2c68	0	1	0.435783	0.11819	0.162331	No change
NM_001039560	Gcnt7	0	1	-0.14918	1.8522	1.58458	No change
NM_001039594	Lce3a	0	1	0.113855	0	0	No change
NM_001039595	Gm13043	0	1	0.113855	0	0	No change
NM_001039645	Asphd1	0	1	-1.47111	0.672712	0.138593	No change
NM_001039646	Gbp10	0	1	-0.0342438	1.60009	1.48547	No change

NM_001039647	Gbp11	0	1	-0.0787903	0.180152	0.159064	No change
NM_001039652	Oprm1	0	1	-0.0381483	0.23768	0.217631	No change
NM_001039653	Lhx3	0	1	-2.20807	0.126255	0	No change
NM_001039666	Krt40	0	1	1.11385	0	0.0543871	No change
NM_001039676	Slc39a2	0	1	-0.14918	0.149299	0.123035	No change
NM_001039678	Prhoxnb	0	1	0.113855	0	0	No change
NM_001039684	Mks1	0	1	-0.111705	2.21014	1.94276	No change
NM_001039688	Rhox4a	0	1	-0.886145	0.0782188	0	No change
NM_001039689	Rhox4c	0	1	0.113855	0	0	No change
NM_001039695	Rhox4d	0	1	0.113855	0	0	No change
NM_001039696	Rhox4f	0	1	0.113855	0	0	No change
NM_001039698	Rhox4g	0	1	0.113855	0	0	No change
NM_001039701	Il1rn	0	1	-0.471108	0.056204	0.028948	No change
NM_001039710	Coq10b	0	1	-0.111705	15.2416	13.422	No change
NM_001039720	9030619P08Rik	0	1	0.113855	0	0	No change
NM_001039824	Fdx1l	0	1	0.342386	11.8531	14.3215	No change
NM_001040085	Syt12	0	1	-0.0868425	1.39754	1.25019	No change
NM_001040089	Rhox3f	0	1	-2.88615	0.585655	0	No change
NM_001040106	Aak1	0	1	0.136869	3.58102	3.7482	No change
NM_001040397	Filip1l	0	1	0.113855	3.07313	3.16564	No change
NM_001040403	Flot2	0	1	-0.158348	5.87675	5.00803	No change
NM_001040426	Thsd4	0	1	0.254717	0.610091	0.693751	No change
NM_001040434	Rgag1	0	1	1.11385	0.0168626	0.0521106	No change
NM_001040461	Dear1	0	1	-0.208073	4.51345	3.69211	No change
NM_001040682	Clmn	0	1	0.0177892	9.74726	9.39349	No change
NM_001040689	Rspo4	0	1	0.113855	0.0293939	0.0302788	No change
NM_001040696	Nlrp1b	0	1	-0.71622	0.787586	0.448801	No change
NM_001040699	Mttr7	0	1	0.313164	3.80217	4.49996	No change
NM_001040700	BC051019	0	1	-0.196485	1.07662	0.887221	No change
NM_001042411	Lepre1	0	1	-0.358898	1.65173	1.21895	No change
NM_001042438	Zhx1	0	1	0.0430394	20.365	19.9725	No change
NM_001042451	Snca	0	1	0.528892	0.109066	0.168523	No change
NM_001042484	Golga7	0	1	0.12703	25.0327	26.0232	No change
NM_001042485	Tmem183a	0	1	-0.0495767	18.8871	17.3695	No change
NM_001042501	Fam133b	0	1	0.0732128	9.77881	9.79251	No change
NM_001042558	Apaf1	0	1	0.364262	1.61558	1.98172	No change
NM_001042591	Arrdc3	0	1	-0.116099	23.3503	20.5067	No change
NM_001042605	Cd74	0	1	-0.11349	26.3011	23.1355	No change
NM_001042606	Sstr2	0	1	-0.6935	0.376719	0.19403	No change
NM_001042612	Nlrp9c	0	1	0.113855	0	0	No change
NM_001042615	Htra3	0	1	-0.269474	0.914109	0.714338	No change
NM_001042620	Dhx15	0	1	0.0955399	40.736	41.4327	No change
NM_001042670	Gm9897	0	1	-0.138911	2.80198	2.41402	No change
NM_001042673	Fancc	0	1	-0.385378	3.21186	2.33411	No change
NM_001042674	Rbpms	0	1	0.270131	6.70399	7.69924	No change
NM_001042714	Ankdd1b	0	1	0.0329348	1.13527	1.10448	No change
NM_001042725	Calcr	0	1	0.113855	0.14055	0.144782	No change
NM_001042752	Neo1	0	1	0.0282945	9.9316	9.64092	No change
NM_001042760	Slc22a18	0	1	-0.634606	1.85065	1.11592	No change
NM_001042767	Proc	0	1	-0.594682	2.93163	1.83024	No change
NM_001043228	Dntt	0	1	-1.47111	0.0673362	0	No change
NM_001043317	Cd22	0	1	-0.71622	0.255161	0.140183	No change
NM_001043354	Rorb	0	1	1.11385	0.0209288	0.0646766	No change
NM_001044380	Hhip1	0	1	-0.0116761	0.294289	0.275589	No change
NM_001044382	Prok1	0	1	1.11385	0	0.173408	No change
NM_001044720	Abcc9	0	1	0.357524	1.15241	1.40729	No change
NM_001044741	Cacnb3	0	1	0.0289659	0.887476	0.860416	No change
NM_001045481	Ifi203	0	1	-0.208073	1.42074	1.16685	No change
NM_001045483	Mapk1ip1	0	1	-0.0644824	7.81988	7.11315	No change
NM_001045484	Mef2b	0	1	-2.6935	0.318718	0	No change
NM_001045486	Zfp180	0	1	0.251797	6.13908	6.96052	No change
NM_001045515	Synj1	0	1	-0.0483389	4.38314	4.03389	No change
NM_001045523	Bahd1	0	1	0.160776	3.79313	4.03703	No change
NM_001045525	Cyb5d1	0	1	0.0610029	12.5556	12.465	No change
NM_001045526	A430084P05Rik	0	1	0.113855	0.330298	0.340242	No change
NM_001045529	Morc3	0	1	-0.171547	11.6905	9.87792	No change
NM_001045530	Ccnjl	0	1	0.146276	1.12156	1.18219	No change
NM_001045532	Prl2c1	0	1	0.113855	0	0	No change
NM_001045535	Serpnb6e	0	1	-1.6935	0.606431	0.144159	No change
NM_001045540	Gm12185	0	1	-0.734142	0.105916	0.0545524	No change
NM_001045542	Gm12253	0	1	-0.886145	0.051396	0	No change
NM_001045544	Vmn1r204	0	1	0.113855	0	0	No change
NM_001045550	Mup2	0	1	0.113855	0	0	No change
NM_001045807	Rbm15	0	1	0.0847575	12.7877	12.9092	No change
NM_001046637	Snrpa	0	1	-0.150766	19.6265	16.8199	No change
NM_001048054	Dusp16	0	1	0.157041	6.07562	6.44923	No change

NM_001048143	Mon1b	0	1	0.0613874	2.80556	2.78627	No change
NM_001048147	Ghr	0	1	0.320306	2.47508	2.95215	No change
NM_001048148	Zgpat	0	1	0.267826	9.85489	11.2988	No change
NM_001048196	Krtap4-1	0	1	0.113855	0	0	No change
NM_001048207	Gypc	0	1	-0.172449	1.56506	1.31606	No change
NM_001048219	Nlrp9a	0	1	0.698817	0.0211704	0.0436154	No change
NM_001048227	Dbnnd2	0	1	-0.0536019	1.40282	1.28449	No change
NM_001076679	Gm9733	0	1	0.113855	0	0	No change
NM_001076790	Serpnb6d	0	1	-1.47111	0.0950142	0	No change
NM_001077202	Hs6st2	0	1	-1.73414	0.280953	0.0680967	No change
NM_001077348	Plin5	0	1	0.435783	3.04382	3.92832	No change
NM_001077359	Git2	0	1	0.145664	4.41219	4.64666	No change
NM_001077398	Ldb2	0	1	0.140327	1.40874	1.47853	No change
NM_001077403	Nrp2	0	1	-0.102637	1.25135	1.10792	No change
NM_001077410	Gimap8	0	1	-0.0116761	1.35419	1.27707	No change
NM_001077421	Sbpl	0	1	0.113855	0	0	No change
NM_001077424	A4gnt	0	1	0.113855	0	0	No change
NM_001077425	Cntnap5a	0	1	-2.20807	0.160214	0.0183374	No change
NM_001077496	Evi2b	0	1	0.130157	1.71813	1.7902	No change
NM_001077508	Tnfrsf9	0	1	-3.05607	0.278911	0	No change
NM_001077632	Nkx2-2	0	1	0.113855	0	0	No change
NM_001077633	Dcpp3	0	1	0.113855	0	0	No change
NM_001077636	Pigw	0	1	0.449458	1.26546	1.65329	No change
NM_001077696	Hdac5	0	1	0.0933907	9.10155	9.24323	No change
NM_001077713	Acn9	0	1	0.34518	5.70215	6.91804	No change
NM_001079690	Slc12a1	0	1	-1.88615	0.0450213	0	No change
NM_001079822	Tcf7l1	0	1	0.113855	0.876168	0.902545	No change
NM_001079830	Trim33	0	1	-0.029598	9.59592	8.94843	No change
NM_001079849	Paip1	0	1	0.159338	8.77615	9.33041	No change
NM_001079865	Ces2f	0	1	1.69882	0.0382298	0.196903	No change
NM_001079883	Bcl11b	0	1	0.313164	0.228703	0.271833	No change
NM_001079932	Trim72	0	1	0.34832	0.451087	0.551791	No change
NM_001079933	Defa26	0	1	0.113855	0	0	No change
NM_001080127	Rnps1	0	1	-0.243908	16.5327	13.2813	No change
NM_001080134	Tmpo	0	1	0.257956	6.40699	7.29606	No change
NM_001080381	Fam65b	0	1	0.872847	0.244608	0.440951	No change
NM_001080549	Hdx	0	1	-1.53822	0.343476	0.10109	No change
NM_001080708	Fam65c	0	1	1.11385	0.0949819	0.220143	No change
NM_001080710	Sdr16c6	0	1	-2.20807	0.236247	0	No change
NM_001080711	Dfnb59	0	1	0.573286	0.400206	0.588933	No change
NM_001080712	Gm7534	0	1	-0.886145	0.0298088	0	No change
NM_001080754	Ambra1	0	1	-0.182843	8.05699	6.7541	No change
NM_001080769	Uhrf1bp1	0	1	-0.0622563	3.3191	3.02516	No change
NM_001080771	Prdm13	0	1	0.113855	0	0	No change
NM_001080774	Myo1c	0	1	-0.207237	5.64475	4.65174	No change
NM_001080776	Gm1123	0	1	0.698817	0.0521264	0.107391	No change
NM_001080809	Cps1	0	1	-0.886145	0.0148157	0	No change
NM_001080810	Zscan30	0	1	-0.123184	3.31378	2.88017	No change
NM_001080812	Cib3	0	1	0.113855	0	0	No change
NM_001080817	Prdm10	0	1	-0.471108	1.26789	0.863682	No change
NM_001080924	Znrf3	0	1	0.173892	3.89025	4.17813	No change
NM_001080925	Rapgef1	0	1	0.184244	0.31808	0.3449	No change
NM_001080932	Foxk2	0	1	-0.0743489	13.4621	12.1697	No change
NM_001080933	Ankfn1	0	1	0.632322	1.12458	1.6733	No change
NM_001080935	B230217C12Rik	0	1	-0.734142	0.468918	0.241517	No change
NM_001080940	Gm6484	0	1	0.599282	0.322279	0.497972	No change
NM_001080941	Zfp429	0	1	0.541276	1.95593	2.72177	No change
NM_001080942	9230107M04Rik	0	1	-0.594682	8.67874	5.41819	No change
NM_001080943	Zdhhc22	0	1	0.113855	0	0	No change
NM_001080944	Atp8b4	0	1	-0.0381483	0.239495	0.220735	No change
NM_001080945	Nanogpd	0	1	0.113855	0	0	No change
NM_001080968	Golga2	0	1	-0.0196075	11.3784	10.6839	No change
NM_001080969	Thg1l	0	1	-0.298123	11.5784	8.9452	No change
NM_001080971	Tubb1	0	1	1.11385	0	0.0510604	No change
NM_001080972	Vmn1r194	0	1	0.113855	0	0	No change
NM_001080979	Tead4	0	1	0.961852	0.0945951	0.194886	No change
NM_001081010	Olf367-ps	0	1	0.113855	0	0	No change
NM_001081013	Rif	0	1	0.0535806	10.5942	10.4661	No change
NM_001081014	Dennd4c	0	1	0.0619537	6.97176	6.92742	No change
NM_001081016	Zc3h7b	0	1	-0.100474	6.59732	5.85606	No change
NM_001081017	Unc79	0	1	-0.400718	0.227857	0.161874	No change
NM_001081021	Zfp780b	0	1	0.120324	5.61489	5.80998	No change
NM_001081027	Kcnt2	0	1	0.528892	0.193738	0.272142	No change
NM_001081033	Pde11a	0	1	0.611354	0.391533	0.579773	No change
NM_001081041	1110014N23Rik	0	1	0.176364	7.15207	7.69481	No change
NM_001081043	Ptpn23	0	1	0.0534433	4.12724	4.07659	No change

NM_001081044	Mylk2	0	1	0.765932	0.30733	0.511401	No change
NM_001081045	1700081L11Rik	0	1	-0.10559	16.4809	14.5797	No change
NM_001081050	Pard3b	0	1	0.104866	1.32875	1.3602	No change
NM_001081052	Nhs	0	1	-0.345577	0.777022	0.578761	No change
NM_001081053	Itga10	0	1	-0.248715	0.110536	0.0853977	No change
NM_001081054	Qrs1	0	1	0.305475	6.191	7.28842	No change
NM_001081057	Tecpr2	0	1	-0.11764	3.29328	2.88814	No change
NM_001081060	Slc9a3	0	1	-0.0381483	0.251902	0.230654	No change
NM_001081064	Pdzd2	0	1	-0.194141	2.8058	2.33362	No change
NM_001081065	Zfp707	0	1	-0.221329	3.10855	2.53008	No change
NM_001081066	Dennd3	0	1	0.360948	1.18369	1.44964	No change
NM_001081067	A1bg	0	1	-3.05607	0.305838	0	No change
NM_001081070	Pdia2	0	1	0.113855	0.202478	0.208573	No change
NM_001081075	5730455O13Rik	0	1	0.264921	7.62734	8.72995	No change
NM_001081082	Alpi	0	1	-2.88615	0.208751	0	No change
NM_001081085	2010317E24Rik	0	1	-0.0667174	0.357285	0.322036	No change
NM_001081092	Taf4a	0	1	0.137442	2.85265	2.98723	No change
NM_001081094	Znhit6	0	1	-0.228251	2.205	1.78648	No change
NM_001081097	Grik3	0	1	-0.400718	0.0709383	0.0487159	No change
NM_001081101	4933407H18Rik	0	1	-0.0232854	7.54388	7.06542	No change
NM_001081104	Chrna9	0	1	-1.54911	0.626297	0.179209	No change
NM_001081105	Rhoh	0	1	0.616355	0.154561	0.231584	No change
NM_001081107	Helq	0	1	-0.147411	3.06135	2.62792	No change
NM_001081110	Cd8a	0	1	-0.0877791	0.489855	0.435792	No change
NM_001081114	Clip3	0	1	-0.301183	0.570215	0.435097	No change
NM_001081115	Nccrp1	0	1	1.11385	0	0.0469222	No change
NM_001081118	Phrf1	0	1	-0.062087	11.2826	10.2864	No change
NM_001081120	Fam89a	0	1	-0.0787903	2.49093	2.23835	No change
NM_001081123	Arhgap36	0	1	0.265858	0.183463	0.212609	No change
NM_001081125	Gli2	0	1	0.290733	0.22857	0.267557	No change
NM_001081126	Gpr161	0	1	1.19186	0.28695	0.665073	No change
NM_001081127	Adamts14	0	1	0.0524543	0.30897	0.304434	No change
NM_001081129	Cntnap3	0	1	-0.208073	0.200432	0.162223	No change
NM_001081130	Ogdhl	0	1	0.103586	2.82894	2.89329	No change
NM_001081131	Dhtkd1	0	1	-0.306048	3.88388	2.98537	No change
NM_001081136	Awat1	0	1	0.113855	0	0	No change
NM_001081137	Sis	0	1	0.113855	0	0	No change
NM_001081139	Ankrd35	0	1	-1.34558	0.171912	0.053126	No change
NM_001081140	Kcna10	0	1	0.113855	0	0	No change
NM_001081141	Gabbr2	0	1	-0.945039	0.418367	0.197524	No change
NM_001081142	Kcnq4	0	1	0.113855	0.721344	0.743059	No change
NM_001081143	Gnat3	0	1	0.113855	0	0	No change
NM_001081144	Zfp518b	0	1	0.245699	2.10638	2.37843	No change
NM_001081148	Cyp2b23	0	1	0.670248	0.511039	0.789635	No change
NM_001081150	Lonrf1	0	1	0.3065	1.47189	1.73541	No change
NM_001081151	Gan	0	1	0.0385667	1.5242	1.48888	No change
NM_001081152	Npat	0	1	0.0574819	5.18879	5.13979	No change
NM_001081153	Unc13c	0	1	-0.345577	0.276046	0.204381	No change
NM_001081156	Trnp1	0	1	0.472936	1.89612	2.51746	No change
NM_001081157	Lmod3	0	1	0.113855	0.0310852	0.032021	No change
NM_001081158	1300001I01Rik	0	1	-0.032755	5.73137	5.33213	No change
NM_001081160	Mdga1	0	1	0.113855	0.027634	0.0284659	No change
NM_001081162	Slc4a11	0	1	0.628428	0.740256	1.09896	No change
NM_001081165	Fam26d	0	1	0.113855	0	0	No change
NM_001081167	B3gnt6	0	1	-1.10854	0.176661	0.0606599	No change
NM_001081173	Lrch2	0	1	0.113855	0.250555	0.258098	No change
NM_001081174	6330545A04Rik	0	1	-0.471108	0.146568	0.07549	No change
NM_001081175	Itpkb	0	1	0.180969	5.72463	6.17844	No change
NM_001081177	Kif13b	0	1	0.113855	3.91813	4.03608	No change
NM_001081179	Heatr5b	0	1	-0.0733482	6.12804	5.54297	No change
NM_001081182	Atp8b2	0	1	0.0284193	9.76068	9.47565	No change
NM_001081183	1110037F02Rik	0	1	-0.0433926	11.0882	10.2414	No change
NM_001081184	BC057079	0	1	0.0891928	2.11628	2.14283	No change
NM_001081185	Finc	0	1	-0.438686	0.828773	0.579591	No change
NM_001081186	D630042F21Rik	0	1	-0.886145	0.024241	0	No change
NM_001081187	Htra4	0	1	0.599282	0.127818	0.197499	No change
NM_001081188	Exosc7	0	1	0.0753807	5.04047	5.05375	No change
NM_001081189	Uppt	0	1	0.573286	1.94288	2.77609	No change
NM_001081190	Gabbr3	0	1	-0.886145	0.047866	0	No change
NM_001081191	Emi5	0	1	-0.0607295	11.4551	10.4542	No change
NM_001081192	Hcn4	0	1	0.865927	0.330298	0.585972	No change
NM_001081193	Lemd3	0	1	-0.170926	7.44978	6.29666	No change
NM_001081194	Kcnh4	0	1	0.872847	0.221014	0.398417	No change
NM_001081195	Arid4a	0	1	-0.02101	5.25711	4.93097	No change
NM_001081198	Tmem182	0	1	1.43578	0.0635884	0.262011	No change
NM_001081200	Crnn	0	1	0.113855	0	0	No change

NM_001081205	Nipal1	0	1	0.765932	0.331477	0.546328	No change
NM_001081208	Hs3st5	0	1	0.113855	0.0713336	0.073481	No change
NM_001081209	Prdm14	0	1	0.113855	0.0268773	0.0276865	No change
NM_001081210	Mrpl44	0	1	0.291393	8.17326	9.52844	No change
NM_001081211	Ptafr	0	1	0.00693961	1.03391	0.98614	No change
NM_001081214	Pprc1	0	1	-0.0745903	1.94034	1.75233	No change
NM_001081215	Ddx60	0	1	-0.0428707	0.779667	0.719228	No change
NM_001081221	Ercc6	0	1	0.122692	5.37882	5.57484	No change
NM_001081224	Prr16	0	1	-0.886145	0.0313368	0	No change
NM_001081229	Tsc22d2	0	1	-0.041176	4.17574	3.86235	No change
NM_001081234	Pigg	0	1	0.207238	6.25083	6.87089	No change
NM_001081236	2410131K14Rik	0	1	0.30925	3.39329	4.00631	No change
NM_001081239	Lilra5	0	1	-0.0976493	0.693955	0.612725	No change
NM_001081244	BY080835	0	1	-0.400718	0.548763	0.376855	No change
NM_001081247	Polr3a	0	1	0.0484449	8.37863	8.24761	No change
NM_001081248	Gm13177	0	1	0.113855	0	0	No change
NM_001081250	Myh13	0	1	0.0632287	0.335465	0.333223	No change
NM_001081259	Mfsd7b	0	1	0.318786	3.22289	3.82932	No change
NM_001081269	Whsc111	0	1	0.0588341	5.42407	5.37801	No change
NM_001081271	Calhm1	0	1	0.113855	0	0	No change
NM_001081272	Ldlrad1	0	1	1.11385	0.0735934	0.227427	No change
NM_001081273	1600015I10Rik	0	1	0.113855	0.112227	0.115605	No change
NM_001081277	Ak5	0	1	0.113855	0.741175	0.763488	No change
NM_001081280	Nlrc3	0	1	-0.127153	0.42704	0.369512	No change
NM_001081281	Trim55	0	1	-1.20807	0.156	0.040174	No change
NM_001081283	Tmem28	0	1	-0.886145	0.0492182	0	No change
NM_001081285	Mup6	0	1	0.397648	2.83934	3.58955	No change
NM_001081289	9030418K01Rik	0	1	-0.741755	1.13897	0.634196	No change
NM_001081293	Rprd2	0	1	-0.0631208	5.29795	4.82643	No change
NM_001081301	Olfr455	0	1	0.113855	0	0	No change
NM_001081306	Ptprz1	0	1	0.85082	0.0172764	0.0355929	No change
NM_001081307	Ppp1r12b	0	1	0.0640063	5.86514	5.83573	No change
NM_001081308	Taok3	0	1	-0.215453	1.59439	1.30375	No change
NM_001081325	Sult2a6	0	1	1.11385	0	0.0740877	No change
NM_001081328	Chsy3	0	1	0.413415	0.215434	0.277399	No change
NM_001081335	Cul9	0	1	-0.115627	4.23435	3.71903	No change
NM_001081342	Gpr133	0	1	0.0245875	0.661428	0.639625	No change
NM_001081343	3110043O21Rik	0	1	-0.0707529	7.77998	7.04889	No change
NM_001081346	Rtkn2	0	1	-0.301183	0.19497	0.146065	No change
NM_001081349	Slc43a1	0	1	0.376889	0.384286	0.48068	No change
NM_001081354	Mamid1	0	1	0.414514	1.68411	2.14174	No change
NM_001081365	0610010O12Rik	0	1	0.218306	34.2022	37.8863	No change
NM_001081368	Tbccd1	0	1	-0.144297	9.10496	7.83802	No change
NM_001081369	Ccdc153	0	1	-0.269474	1.86105	1.45433	No change
NM_001081372	Ces1b	0	1	0.569534	1.20588	1.71714	No change
NM_001081375	Cnfn	0	1	-1.47111	0.262992	0	No change
NM_001081377	Pcdh9	0	1	0.395626	1.27402	1.59824	No change
NM_001081381	2610002I17Rik	0	1	0.361782	1.587	1.94782	No change
NM_001081382	Zfp777	0	1	0.272401	4.41321	5.07683	No change
NM_001081386	Cdh19	0	1	0.113855	0.114101	0.117536	No change
NM_001081389	Nlrp6	0	1	0.206964	0.255219	0.281681	No change
NM_001081397	Myo16	0	1	0.479139	0.642025	0.855197	No change
NM_001081399	Prss33	0	1	0.85082	0.554318	0.986282	No change
NM_001081403	Klhl14	0	1	0.0519271	2.04673	2.01901	No change
NM_001081405	Vmn2r28	0	1	0.113855	0	0	No change
NM_001081408	Agmat	0	1	-2.20807	0.198555	0	No change
NM_001081414	Grm5	0	1	-1.76061	0.0826921	0.0170363	No change
NM_001081415	Samd1	0	1	0.129974	2.96136	3.08517	No change
NM_001081416	Fndc1	0	1	0.573286	0.369566	0.528055	No change
NM_001081417	Chd7	0	1	-0.152578	1.87462	1.60414	No change
NM_001081418	Gltscl1	0	1	0.0918285	0.845157	0.857206	No change
NM_001081419	Dip2a	0	1	0.0472793	5.58114	5.48937	No change
NM_001081421	Galnt11	0	1	-0.85138	0.711152	0.36628	No change
NM_001081422	Bod11	0	1	0.0542731	16.1751	15.9876	No change
NM_001081424	Chrna10	0	1	-2.6935	0.166398	0	No change
NM_001081425	Rbm24	0	1	0.315489	0.84306	1.00205	No change
NM_001081426	Dip2c	0	1	0.215625	2.60567	2.88094	No change
NM_001081433	Ankrd44	0	1	-0.119885	2.6447	2.31508	No change
NM_001081434	Osbpl7	0	1	-0.0720707	6.01311	5.44271	No change
NM_001081441	Wdr86	0	1	-1.6935	0.234131	0.0401965	No change
NM_001081448	Vmn2r84	0	1	-0.886145	0.0819917	0.0281533	No change
NM_001081449	Vmn2r54	0	1	-1.47111	0.0575737	0	No change
NM_001081452	LOC100009614	0	1	0.113855	0	0	No change
NM_001081453	Nin	0	1	0.229332	1.80805	2.01831	No change
NM_001081459	Sh2b1	0	1	-0.0663947	6.15303	5.59133	No change
NM_001081477	Brwd3	0	1	-0.14126	3.53122	3.04615	No change

NM_001081490	Fbxo9	0	1	0.219757	15.3695	17.0411	No change
NM_001081493	Cartpt	0	1	-0.623111	0.333858	0.171954	No change
NM_001081564	Gm6592	0	1	-1.30118	0.96223	0.283199	No change
NM_001081565	Ssxb8	0	1	-0.471108	0.672712	0.415778	No change
NM_001081633	Dgcr14	0	1	-0.282373	6.25703	4.89137	No change
NM_001081644	Gm428	0	1	0.113855	0	0	No change
NM_001081651	Rab42-ps	0	1	0.471407	5.97368	7.91166	No change
NM_001081652	Nacad	0	1	0.58334	0.356085	0.513526	No change
NM_001081654	Tex264	0	1	0.00582719	24.2707	23.194	No change
NM_001081656	Neurl1b	0	1	0.274319	0.371666	0.429261	No change
NM_001081658	Dytn	0	1	-2.20807	0.114863	0	No change
NM_001081663	Btln7	0	1	-0.886145	0.119337	0.0409766	No change
NM_001081664	4833423E24Rik	0	1	1.69882	0	0.0852118	No change
NM_001081665	Ccdc129	0	1	0.637417	0.318329	0.480938	No change
NM_001081669	Rhox2d	0	1	-0.886145	0.0876641	0	No change
NM_001081672	Fam43b	0	1	-0.886145	0.0294436	0	No change
NM_001081684	Zfp295	0	1	0.186718	5.26141	5.70119	No change
NM_001081687	Gm5150	0	1	-1.88615	0.229002	0	No change
NM_001081688	Tmprss9	0	1	-1.60235	0.443904	0.124709	No change
NM_001081695	Dnmt3l	0	1	-1.65168	0.614373	0.158217	No change
NM_001081746	Gm7609	0	1	0.325359	0.778692	0.935823	No change
NM_001081956	Akap17b	0	1	-0.106535	2.70707	2.39187	No change
NM_001081957	Gm11428	0	1	0.698817	2.82338	4.4391	No change
NM_001081961	2300005B03Rik	0	1	0.113855	0	0	No change
NM_001081962	Sap25	0	1	0.0192179	4.05724	3.90974	No change
NM_001081970	Apol8	0	1	-0.886145	0.113753	0.0390593	No change
NM_001081978	Amelx	0	1	1.11385	0.257804	0.619651	No change
NM_001081983	Tmsb15b1	0	1	-0.382103	17.3042	12.592	No change
NM_001081984	Popdc2	0	1	0.358967	0.822522	1.01022	No change
NM_001082412	Mcart6	0	1	0.461778	0.698895	0.922416	No change
NM_001082531	Pla2g2a	0	1	0.113855	0	0	No change
NM_001082542	Gm5416	0	1	0.113855	0	0	No change
NM_001082543	Stfa1	0	1	0.113855	0	0	No change
NM_001082545	Stfa2	0	1	0.113855	0	0	No change
NM_001082546	BC100530	0	1	-2.20807	0.632135	0	No change
NM_001082547	Gm5483	0	1	0.113855	0	0	No change
NM_001082552	Trim21	0	1	0.376889	3.45117	4.27138	No change
NM_001082573	Crygc	0	1	0.113855	0	0	No change
NM_001082960	Ilgam	0	1	0.318213	0.669838	0.797337	No change
NM_001082974	Neurl2	0	1	0.48825	1.56749	2.1115	No change
NM_001082975	Sdr39u1	0	1	0.0434655	19.0278	18.6645	No change
NM_001083125	Lhx6	0	1	0.62405	0.660205	0.977615	No change
NM_001083188	Lig1	0	1	-0.216791	1.80335	1.47252	No change
NM_001083311	Vmn1r223	0	1	-1.88615	0.192522	0	No change
NM_001083312	Gbp7	0	1	0.161949	2.21647	2.36103	No change
NM_001083315	St7	0	1	-0.360076	2.37663	1.75342	No change
NM_001083318	Etv3	0	1	0.232383	4.41935	4.9434	No change
NM_001083319	Ubp1	0	1	0.0385163	9.22726	9.02046	No change
NM_001083322	Klrk1	0	1	-1.14918	0.242756	0.0909322	No change
NM_001083328	Gtpbp5	0	1	0.143602	4.24412	4.46393	No change
NM_001083342	Ptchd2	0	1	0.435783	0.0240625	0.0330491	No change
NM_001083628	Greb1l	0	1	-0.0116761	0.984854	0.92925	No change
NM_001083810	Prr5l	0	1	0.34518	0.730024	0.885689	No change
NM_001083880	1600012H06Rik	0	1	0.093487	11.8845	12.0703	No change
NM_001083887	Pars2	0	1	0.309111	1.54118	1.82104	No change
NM_001083895	SrpX2	0	1	-0.409707	0.533488	0.374692	No change
NM_001083902	Slc12a8	0	1	-0.471108	0.319902	0.211842	No change
NM_001083903	Sbsn	0	1	-0.0466099	1.71376	1.5692	No change
NM_001083917	Scn3b	0	1	-0.430466	0.570841	0.397782	No change
NM_001083921	Rbck1	0	1	0.10995	10.7287	11.0217	No change
NM_001083925	Oas1b	0	1	0.772818	0.684009	1.13519	No change
NM_001083935	Pth1r	0	1	0.467492	0.533204	0.710802	No change
NM_001083957	Car1	0	1	-0.886145	0.0588623	0	No change
NM_001083958	Zfp655	0	1	0.448839	3.43529	4.47422	No change
NM_001083967	Tcf4	0	1	-0.0944294	4.13176	3.68262	No change
NM_001085348	Rhox2e	0	1	-1.47111	0.178929	0	No change
NM_001085356	Rhox2f	0	1	-0.886145	0.0894646	0	No change
NM_001085370	Speg	0	1	-0.0194117	0.232662	0.217879	No change
NM_001085378	Myh7b	0	1	0.336247	0.32794	0.396056	No change
NM_001085385	1600014C10Rik	0	1	0.21007	3.61201	3.97883	No change
NM_001085390	Dusp5	0	1	0.138517	3.43939	3.60509	No change
NM_001085409	Steap3	0	1	0.235845	0.735252	0.826239	No change
NM_001085412	Gm13078	0	1	0.113855	0	0	No change
NM_001085414	Pramef6	0	1	0.113855	0	0	No change
NM_001085415	Zfp467	0	1	0.113855	0.59749	0.615477	No change
NM_001085418	Pramel5	0	1	0.113855	0	0	No change

NM_001085419	Gm13102	0	1	0.698817	0.0289784	0.0597014	No change
NM_001085477	Olfir765	0	1	0.113855	0	0	No change
NM_001085497	Slc25a43	0	1	-2.47111	0.31365	0	No change
NM_001085498	Chmp6	0	1	0.0229086	13.8404	13.3832	No change
NM_001085500	Cisd3	0	1	0.476425	7.79584	10.3526	No change
NM_001085501	Ppp1r3d	0	1	0.397648	0.469456	0.593495	No change
NM_001085502	Nt5c1a	0	1	0.113855	0	0	No change
NM_001085503	Aadacl3	0	1	-2.88615	0.154726	0	No change
NM_001085504	Gm436	0	1	0.113855	0	0	No change
NM_001085505	Gm572	0	1	0.113855	0	0	No change
NM_001085509	Myom3	0	1	-0.538222	0.12501	0.0772638	No change
NM_001085510	Gm4987	0	1	1.69882	0	0.283759	No change
NM_001085512	E030025P04Rik	0	1	0.113855	0	0	No change
NM_001085516	Gm12794	0	1	0.113855	0	0	No change
NM_001085517	Gm5132	0	1	-0.886145	0.161326	0	No change
NM_001085518	Gm14085	0	1	-0.886145	0.0931724	0.0383909	No change
NM_001085520	Gm12789	0	1	0.113855	0	0	No change
NM_001085521	Tmem90b	0	1	0.599282	0.135655	0.209609	No change
NM_001085526	Krtap1-3	0	1	-0.886145	0.0794674	0	No change
NM_001085527	Krtap9-5	0	1	-0.886145	0.0647102	0	No change
NM_001085528	Gm13271	0	1	0.336247	0.634726	0.784601	No change
NM_001085529	Slc2a7	0	1	0.113855	0	0	No change
NM_001085533	Gm13275	0	1	0.910321	0.806217	1.47642	No change
NM_001085534	Gm5938	0	1	0.113855	0	0	No change
NM_001085536	Gm13178	0	1	0.113855	0	0	No change
NM_001085538	Gm11757	0	1	-0.886145	0.0526382	0	No change
NM_001085539	Gm13101	0	1	0.113855	0	0	No change
NM_001085540	Pramef17	0	1	0.113855	0	0	No change
NM_001085541	Gm13128	0	1	0.113855	0	0	No change
NM_001085542	Gm13124	0	1	-0.886145	0.0570786	0	No change
NM_001085544	Gm14744	0	1	0.85082	0.435581	0.807648	No change
NM_001085547	Krtap4-8	0	1	0.113855	0	0	No change
NM_001085548	Krtap4-9	0	1	0.113855	0	0	No change
NM_001085549	Gm12824	0	1	-1.37157	0.284375	0.0976453	No change
NM_001093749	Mpzl3	0	1	-0.264657	2.06192	1.61423	No change
NM_001093752	Srsf11	0	1	-0.0590789	36.5628	33.4063	No change
NM_001093764	Myadm	0	1	0.220244	4.5225	5.01701	No change
NM_001097621	Kif26a	0	1	-0.278463	0.201483	0.155661	No change
NM_001097623	Trefl1	0	1	0.113855	0.460019	0.473868	No change
NM_001097978	Gm11758	0	1	-0.886145	0.0744583	0	No change
NM_001098203	Hic1	0	1	0.735343	0.53792	0.864417	No change
NM_001098226	Tead3	0	1	0.41425	3.04373	3.86792	No change
NM_001098233	Purg	0	1	-0.104785	2.44333	2.15732	No change
NM_001098404	Nr1i2	0	1	-0.208073	0.115962	0.0895894	No change
NM_001098669	Klrc2	0	1	-0.886145	0.0985756	0	No change
NM_001098723	Yy2	0	1	-0.0204463	2.16347	2.02828	No change
NM_001098799	Tox2	0	1	-1.20807	0.166431	0.0428603	No change
NM_001098810	Pthr2	0	1	0.17881	7.17776	7.73547	No change
NM_001098841_2	Gm13278	0	1	0.863877	1.00106	1.76777	No change
NM_001099288	Arhgap44	0	1	-0.0550221	2.96308	2.71313	No change
NM_001099296	Grrp1	0	1	0.113855	0.511612	0.527014	No change
NM_001099297	Duox1	0	1	0.336247	0.06616	0.081782	No change
NM_001099299	Ajap1	0	1	1.20132	0.159064	0.374521	No change
NM_001099301	Lcn14	0	1	1.11385	0.285627	0.686526	No change
NM_001099303	Fam159a	0	1	-0.471108	0.235052	0.121064	No change
NM_001099309	Gm12887	0	1	0.113855	0	0	No change
NM_001099311	Gm11596	0	1	0.113855	0	0	No change
NM_001099312	Gm11569	0	1	0.113855	0	0	No change
NM_001099313	Gm11554	0	1	0.113855	0	0	No change
NM_001099314	Msmg	0	1	-0.220564	10.7869	8.7927	No change
NM_001099316	Rhox2b	0	1	-0.886145	0.0915807	0	No change
NM_001099318	Rhox2c	0	1	-0.886145	0.0894646	0	No change
NM_001099324	Gm15217	0	1	2.43578	0	0.392837	No change
NM_001099328	Zfp831	0	1	-1.47111	0.0995106	0.0292875	No change
NM_001099329	Gm12769	0	1	0.113855	0	0	No change
NM_001099330	Gm12776	0	1	0.113855	0	0	No change
NM_001099331	R3hdml	0	1	0.113855	0	0	No change
NM_001099332	Cd101	0	1	-0.886145	0.108018	0.0445077	No change
NM_001099346	Gm11937	0	1	0.113855	0	0	No change
NM_001099348	Gm13305	0	1	0.189143	5.95941	6.46964	No change
NM_001099631	Sh2d5	0	1	0.226749	1.88659	2.10343	No change
NM_001099632	Rnf39	0	1	-0.108538	0.289182	0.24824	No change
NM_001099635	Myh3	0	1	0.113855	0.023262	0.0239623	No change
NM_001099641	Gabra6	0	1	0.113855	0	0	No change
NM_001099644	Htr3a	0	1	-2.47111	0.168748	0	No change
NM_001099664	Npw	0	1	-1.47111	0.23001	0	No change

NM_001099742	Scgb1c1	0	1	-1.20807	0.637922	0.164281	No change
NM_001099774	Krtap17-1	0	1	-2.6935	0.549484	0	No change
NM_001099779	Pklr	0	1	-0.301183	0.49762	0.377705	No change
NM_001099918	4930431A04Rik	0	1	-1.88615	0.324153	0	No change
NM_001100109	Srp54b	0	1	0.024266	48.5899	47.0377	No change
NM_001100110	Srp54c	0	1	-0.0282184	50.7739	47.3946	No change
NM_001100177	Calcoco2	0	1	-1.30118	0.346239	0.101903	No change
NM_001100180	Cyp3a57	0	1	0.113855	0.0438596	0.04518	No change
NM_001100181	Cyp4a32	0	1	-1.47111	0.0728244	0	No change
NM_001100182	Cyp2j12	0	1	-0.886145	0.0358503	0	No change
NM_001100183	Cyp4a29-ps	0	1	-0.886145	0.0455509	0	No change
NM_001100184	Cyp2t4	0	1	-0.734142	0.368746	0.189923	No change
NM_001100185	Cyp4a30b-ps	0	1	0.92121	0.136921	0.282086	No change
NM_001100186	Zscan4d	0	1	-1.88615	0.104959	0	No change
NM_001100451	Msl2	0	1	0.151885	8.46565	8.95382	No change
NM_001100452	BC032203	0	1	-0.14002	4.97882	4.29938	No change
NM_001100454	Wfikkn1	0	1	-0.35563	0.96185	0.707719	No change
NM_001100455	Lcn11	0	1	-0.886145	0.106891	0	No change
NM_001100461	Pnma5	0	1	0.236712	1.34083	1.50676	No change
NM_001100464	Abpb	0	1	0.113855	0	0	No change
NM_001100465	Rhox2h	0	1	-1.47111	0.178929	0	No change
NM_001100466	Skint8	0	1	-2.20807	0.218131	0	No change
NM_001100614	Gm11564	0	1	0.113855	0	0	No change
NM_001100616	Vmn2r121	0	1	-0.886145	0.0227606	0	No change
NM_001101038	Siglec15	0	1	-0.345577	0.677288	0.488374	No change
NM_001101430	Psmg4	0	1	0.363214	6.69877	8.22743	No change
NM_001101431	2510049J12Rik	0	1	0.998378	0.329388	0.650332	No change
NM_001101433	Zcchc24	0	1	-0.12061	3.17003	2.77318	No change
NM_001101443	Prrt4	0	1	-0.14918	0.102099	0.0841383	No change
NM_001101450	Gm44	0	1	0.113855	0	0	No change
NM_001101452	Gm4794	0	1	-0.886145	0.0790169	0	No change
NM_001101461	9130204L05Rik	0	1	-2.6935	0.851645	0	No change
NM_001101464	Foxi3	0	1	0.113855	0	0	No change
NM_001101467	Cyp2a22	0	1	0.113855	0	0	No change
NM_001101471	Akap5	0	1	0.239386	0.333609	0.375869	No change
NM_001101472	Serpina3j	0	1	-0.886145	0.0348639	0	No change
NM_001101475	F830016B08Rik	0	1	-0.530001	1.03578	0.675014	No change
NM_001101482	Mrap2	0	1	1.11385	0.21655	0.483316	No change
NM_001101488	Gsg1l	0	1	-0.471108	0.0888034	0.0548861	No change
NM_001101502	Zfp703	0	1	-0.0116761	0.505499	0.475437	No change
NM_001101503	A230065H16Rik	0	1	0.113855	0.106078	0.109271	No change
NM_001101506	Gm5151	0	1	-1.47111	0.252877	0.0520979	No change
NM_001101516	Gpr25	0	1	-0.886145	0.0355576	0	No change
NM_001101519	4932443I19Rik	0	1	-1.88615	0.624649	0.0919219	No change
NM_001101533	Vmn1r20	0	1	0.113855	0	0	No change
NM_001101534	Sult2a4	0	1	0.376889	0.289182	0.37236	No change
NM_001101535	Ccdc8	0	1	-0.208073	0.982068	0.802329	No change
NM_001101546	Tmem233	0	1	0.113855	0	0	No change
NM_001101560	Cldn20	0	1	-0.301183	1.58393	1.19652	No change
NM_001101562	Vmn1r167	0	1	0.113855	0	0	No change
NM_001101572	Vmn2r82	0	1	0.113855	0	0	No change
NM_001101579	Vmn1r12	0	1	0.113855	0	0	No change
NM_001101585	Gm6927	0	1	-1.88615	0.327197	0	No change
NM_001101586	Sult2a3	0	1	0.113855	0	0	No change
NM_001101588	Cyp4f40	0	1	2.43578	0	0.18198	No change
NM_001101597	Gm7244	0	1	0.113855	0	0	No change
NM_001101600	Gm7616	0	1	0.113855	0	0	No change
NM_001101605	Gm14446	0	1	0.961852	0.283177	0.550992	No change
NM_001101606	Gm8817	0	1	1.11385	0	0.125949	No change
NM_001101609	Gm9376	0	1	0.113855	0	0	No change
NM_001101613	Gm11567	0	1	0.113855	0	0	No change
NM_001101620	Klra8	0	1	-1.10854	0.354973	0.121886	No change
NM_001101630	Gm3238	0	1	1.11385	0	0.103594	No change
NM_001101631	Gm3285	0	1	0.113855	0.104959	0.108119	No change
NM_001101640	Tmem207	0	1	-1.47111	0.090628	0	No change
NM_001101647	Prlh	0	1	0.113855	0	0	No change
NM_001101656	Gm11710	0	1	-0.433633	3.02657	2.10654	No change
NM_001101657	Gm11711	0	1	-0.433633	3.02657	2.10654	No change
NM_001102409	Kng2	0	1	1.11385	0.475572	1.02431	No change
NM_001102411	Kng1	0	1	0.528892	0.0606289	0.0936811	No change
NM_001102446	Alas2	0	1	-0.192476	4.10806	3.41508	No change
NM_001102455	Aplp2	0	1	0.0224875	59.9001	57.9156	No change
NM_001102457	Rhox3c	0	1	-2.47111	0.537754	0	No change
NM_001102468	Calml4	0	1	0.277354	4.74959	5.49166	No change
NM_001102474	Skint3	0	1	0.113855	0.0482638	0.0497167	No change
NM_001102563	Prrt2	0	1	0.654423	0.587772	0.893783	No change

NM_001102565	Alkbh1	0	1	0.161949	8.40752	8.95544	No change
NM_001102578	Vmn2r75	0	1	0.113855	0	0	No change
NM_001102579	Vmn2r67	0	1	-2.20807	0.109066	0	No change
NM_001102580	Vmn2r76	0	1	-0.886145	0.0272026	0	No change
NM_001102581	Vmn2r95	0	1	0.113855	0	0	No change
NM_001102582	Vmn2r18	0	1	-0.471108	0.146107	0.0903031	No change
NM_001102584	Vmn2r114	0	1	-0.886145	0.0271073	0	No change
NM_001102602	Vmn2r85	0	1	-2.20807	0.109194	0	No change
NM_001102607	Col6a6	0	1	0.0434655	0.196373	0.192171	No change
NM_001102611	Smyd4	0	1	0.0440334	2.49682	2.44951	No change
NM_001102613	Phldb3	0	1	-0.0236487	0.977289	0.91233	No change
NM_001102660	Gm2663	0	1	0.113855	0	0	No change
NM_001102662	Skint1	0	1	0.113855	0	0	No change
NM_001102665	Gm14920	0	1	-3.20807	1.8024	0	No change
NM_001103153	Gm10334	0	1	0.113855	0	0	No change
NM_001103156	Steap2	0	1	-0.220263	1.39696	1.14009	No change
NM_001103168	Zglp1	0	1	-1.62311	0.621026	0.14216	No change
NM_001103199	Skint6	0	1	0.113855	0	0	No change
NM_001103365	Vmn2r86	0	1	-2.20807	0.246265	0.0281865	No change
NM_001103366	Vmn2r87	0	1	-0.886145	0.0273628	0	No change
NM_001103367	Rai2	0	1	0.347054	1.77562	2.15569	No change
NM_001103368	Vmn2r80	0	1	0.113855	0	0	No change
NM_001104525	Cyp2c69	0	1	-0.886145	0.0393745	0	No change
NM_001104529	Gpr35	0	1	-0.117471	0.453344	0.395147	No change
NM_001104531	Cyp2d11	0	1	0.113855	0.043832	0.0451516	No change
NM_001104537	Vmn2r83	0	1	0.113855	0	0	No change
NM_001104539	Vmn2r90	0	1	-0.886145	0.0268877	0	No change
NM_001104540	Vmn2r91	0	1	0.113855	0	0	No change
NM_001104541	Vmn2r92	0	1	0.113855	0	0	No change
NM_001104542	Vmn2r93	0	1	0.113855	0	0	No change
NM_001104543	Vmn2r94	0	1	0.113855	0	0	No change
NM_001104547	Vmn2r96	0	1	0.113855	0	0	No change
NM_001104549	Vmn2r97	0	1	-0.886145	0.0269501	0	No change
NM_001104550	Vmn2r98	0	1	0.113855	0	0	No change
NM_001104551	Vmn2r99	0	1	-0.886145	0.0271073	0	No change
NM_001104562	Vmn2r100	0	1	0.113855	0	0	No change
NM_001104563	Vmn2r101	0	1	-1.47111	0.0541515	0	No change
NM_001104564	Vmn2r102	0	1	-0.886145	0.0270757	0	No change
NM_001104565	Vmn2r103	0	1	0.113855	0	0	No change
NM_001104566	Vmn2r104	0	1	0.113855	0	0	No change
NM_001104567	Vmn2r105	0	1	0.113855	0	0	No change
NM_001104568	Vmn2r106	0	1	0.113855	0	0	No change
NM_001104570	Vmn2r108	0	1	0.113855	0	0	No change
NM_001104571	Vmn2r109	0	1	-1.88615	0.0811326	0	No change
NM_001104572	Vmn2r110	0	1	-1.47111	0.0540884	0	No change
NM_001104575	Vmn2r112	0	1	-2.6935	0.162454	0	No change
NM_001104578	Vmn2r113	0	1	0.113855	0	0	No change
NM_001104579	Vmn2r115	0	1	-2.20807	0.108303	0	No change
NM_001104580	Vmn2r116	0	1	0.113855	0	0	No change
NM_001104581	Vmn2r117	0	1	-0.886145	0.0812272	0.0278908	No change
NM_001104582	Vmn2r118	0	1	-3.05607	0.21762	0	No change
NM_001104591	Vmn2r120	0	1	0.113855	0	0	No change
NM_001104592	Vmn2r2	0	1	-1.6935	0.364738	0.0867041	No change
NM_001104620	Vmn2r8	0	1	-1.88615	0.0820883	0	No change
NM_001104621	Vmn2r9	0	1	-1.47111	0.0547255	0	No change
NM_001104622	Vmn2r11	0	1	-2.20807	0.1078	0	No change
NM_001104624	Vmn2r13	0	1	-2.47111	0.139609	0	No change
NM_001104625	Vmn2r14	0	1	-1.47111	0.0547255	0	No change
NM_001104626	Vmn2r15	0	1	-1.88615	0.081417	0	No change
NM_001104627	Vmn2r16	0	1	-0.886145	0.0272984	0	No change
NM_001104628	Vmn2r17	0	1	-0.886145	0.0273306	0	No change
NM_001104632	Vmn2r19	0	1	-2.20807	0.108683	0	No change
NM_001104634	Vmn2r20	0	1	0.113855	0	0	No change
NM_001104635	Vmn2r21	0	1	0.113855	0	0	No change
NM_001104637	Vmn2r22	0	1	0.113855	0	0	No change
NM_001104638	Vmn2r23	0	1	0.113855	0	0	No change
NM_001104639	Vmn2r24	0	1	-0.886145	0.0271707	0	No change
NM_001104641	Vmn2r25	0	1	-0.886145	0.027139	0	No change
NM_001104642	Vmn2r27	0	1	-2.20807	0.108303	0	No change
NM_001104644	Vmn2r53	0	1	-2.88615	0.201508	0	No change
NM_001104645	Vmn2r55	0	1	-0.886145	0.0297071	0	No change
NM_001104648	Vmn2r56	0	1	-1.47111	0.0595666	0	No change
NM_001104926	Cyp2j7	0	1	1.11385	0	0.0473868	No change
NM_001104927	Cyp2j8	0	1	1.11385	0.0458506	0.141693	No change
NM_001105055	Vmn2r58	0	1	-2.20807	0.107675	0	No change
NM_001105056	Vmn2r59	0	1	0.113855	0	0	No change

NM_001105057	Vmn2r60	0	1	0.113855	0	0	No change
NM_001105058	Vmn2r61	0	1	0.113855	0	0	No change
NM_001105059	Vmn2r62	0	1	-1.20807	0.108051	0.027826	No change
NM_001105060	Vmn2r63	0	1	0.113855	0.108051	0.111304	No change
NM_001105061	Gm9268	0	1	-0.886145	0.0271707	0	No change
NM_001105062	Vmn2r31	0	1	0.791927	0.1078	0.19433	No change
NM_001105063	Vmn2r32	0	1	-0.886145	0.0272344	0	No change
NM_001105065	Vmn2r33	0	1	0.113855	0.188651	0.19433	No change
NM_001105066	Vmn2r34	0	1	2.11385	0	0.0841629	No change
NM_001105067	Vmn2r35	0	1	0.528892	0.0539002	0.0832842	No change
NM_001105068	Vmn2r36	0	1	1.33625	0.0544689	0.168326	No change
NM_001105070	Vmn2r38	0	1	0.336247	0.13475	0.166568	No change
NM_001105071	Vmn2r39	0	1	1.11385	0	0.0277614	No change
NM_001105072	Vmn2r40	0	1	0.85082	0.0544689	0.112217	No change
NM_001105073	Vmn2r41	0	1	0.85082	0.0544689	0.112217	No change
NM_001105074	Vmn2r44	0	1	1.11385	0.0539002	0.138807	No change
NM_001105075	Vmn2r45	0	1	2.69882	0	0.140272	No change
NM_001105076	Vmn2r46	0	1	0.409311	1.23325	1.56581	No change
NM_001105151	Vmn2r47	0	1	0.85082	0.0544689	0.112217	No change
NM_001105152	Vmn2r48	0	1	1.11385	0.054278	0.13978	No change
NM_001105156	Vmn2r49	0	1	0.113855	0	0	No change
NM_001105159	Cyp3a41b	0	1	0.113855	0	0	No change
NM_001105160	Cyp3a59	0	1	0.113855	0	0	No change
NM_001105178	Vmn2r50	0	1	0.113855	0	0	No change
NM_001105179	Vmn2r51	0	1	0.113855	0.0272344	0.0280543	No change
NM_001105180	Vmn2r65	0	1	-0.886145	0.0274598	0	No change
NM_001105182	Vmn2r69	0	1	-2.47111	0.136492	0	No change
NM_001105183	Vmn2r70	0	1	0.113855	0	0	No change
NM_001105184	Vmn2r71	0	1	-3.05607	0.217112	0	No change
NM_001105185	Vmn2r72-ps	0	1	-0.886145	0.0271073	0	No change
NM_001105186	Vmn2r73	0	1	0.113855	0	0	No change
NM_001105187	Vmn2r74	0	1	-0.886145	0.0272026	0	No change
NM_001105188	Vmn2r77	0	1	1.11385	0	0.0279887	No change
NM_001105189	Vmn2r78	0	1	0.113855	0.190418	0.19615	No change
NM_001105190	Vmn2r79	0	1	0.113855	0	0	No change
NM_001105191	Vmn2r52	0	1	-1.88615	0.0817033	0	No change
NM_001105201	Cyp26c1	0	1	0.528892	0.0895221	0.138326	No change
NM_001105254	Gm10436	0	1	0.113855	0	0	No change
NM_001109626	Cdk12	0	1	-0.0784428	10.7688	9.70755	No change
NM_001109661	Bach2	0	1	0.202391	0.640062	0.701596	No change
NM_001109743	Skor2	0	1	0.113855	0	0	No change
NM_001109748	Tomm40	0	1	0.22077	12.4661	13.8325	No change
NM_001109749	Cntn4	0	1	-2.20807	0.0529783	0	No change
NM_001109752	Dlg4	0	1	-0.0787903	0.483249	0.432867	No change
NM_001109753	Sv2b	0	1	-0.546659	0.629282	0.405141	No change
NM_001109758	Bcan	0	1	0.113855	0	0	No change
NM_001109873	Cbfa2t3	0	1	-0.169938	0.245366	0.205946	No change
NM_001109914	Apold1	0	1	0.634687	0.466883	0.699547	No change
NM_001109973	Mdfi	0	1	0.791927	0.163311	0.294398	No change
NM_001109975	Synpo	0	1	0.0871375	1.68047	1.699	No change
NM_001109985	Nos1ap	0	1	-0.0116761	0.539165	0.507101	No change
NM_001110015	Wdr36	0	1	-0.0482507	4.37572	4.02607	No change
NM_001110131	Cic	0	1	0.181283	4.76738	5.14643	No change
NM_001110146	Prg4	0	1	0.288942	1.10976	1.29559	No change
NM_001110160	Lrrc61	0	1	-0.191199	11.0219	9.18475	No change
NM_001110203	Trim9	0	1	0.497183	0.64757	0.874596	No change
NM_001110209	Lnp	0	1	0.0821191	9.483	9.55577	No change
NM_001110222	Dcx	0	1	0.113855	0	0	No change
NM_001110227	Kcnj13	0	1	-0.435484	3.0481	2.12872	No change
NM_001110242	1810043H04Rik	0	1	-0.137684	13.9668	12.062	No change
NM_001110252	Hpn	0	1	0.517752	2.43735	3.33455	No change
NM_001110253	Fyco1	0	1	-0.0642059	21.1298	19.2376	No change
NM_001110273	Slc14a2	0	1	0.620815	0.431832	0.642535	No change
NM_001110305	Keap1	0	1	-0.130629	13.7803	11.9791	No change
NM_001110309	Zfp426	0	1	0.203056	8.9282	9.78491	No change
NM_001110316	Zscan4f	0	1	-3.05607	0.304835	0	No change
NM_001110323	Klra7	0	1	1.11385	0	0.0688973	No change
NM_001110327	Dmtf1	0	1	-0.087476	14.0808	12.6128	No change
NM_001110350	Sin3a	0	1	-0.0969924	11.0178	9.80436	No change
NM_001110513	Ebf4	0	1	0.113855	0.313227	0.322656	No change
NM_001110779	Gm7714	0	1	2.11385	0	0.314413	No change
NM_001110783	Ank1	0	1	-0.973608	0.135688	0.0611507	No change
NM_001110791	Sf1	0	1	0.0670826	11.5063	11.474	No change
NM_001110807	Capn12	0	1	0.308671	2.0208	2.38626	No change
NM_001110809	Gpatch4	0	1	-0.0270077	1.79357	1.6716	No change
NM_001110824	Foxp4	0	1	0.113855	1.31594	1.35556	No change

NM_001110831	Dnpep	0	1	-0.10877	39.6165	34.968	No change
NM_001110832	Nfya	0	1	-0.133238	6.06597	5.26196	No change
NM_001111015	Syn2	0	1	0.142424	1.02152	1.07375	No change
NM_001111043	Serpinh1	0	1	0.18275	11.2527	12.1599	No change
NM_001111058	Cd33	0	1	0.0119752	1.16562	1.11693	No change
NM_001111073	Fxyd5	0	1	0.317388	3.95983	4.70658	No change
NM_001111075	Cdc25b	0	1	0.0524543	0.529372	0.521599	No change
NM_001111094	Btnl3	0	1	1.11385	0.0329829	0.101928	No change
NM_001111099	Cdkn1a	0	1	0.316672	3.77983	4.48694	No change
NM_001111100	Lipa	0	1	0.320817	4.39251	5.22644	No change
NM_001111107	Zfp322a	0	1	0.0497245	7.16509	7.05925	No change
NM_001111110	Cmah	0	1	-0.114414	0.286596	0.25094	No change
NM_001111111	Atg16l2	0	1	0.322441	1.41705	1.69193	No change
NM_001111140	Lrrc10b	0	1	0.144882	3.05347	3.21452	No change
NM_001111143	Cym	0	1	0.113855	0	0	No change
NM_001111145	Gm514	0	1	-0.14918	0.252328	0.207939	No change
NM_001111277	Eif2b3	0	1	0.367611	3.4644	4.26389	No change
NM_001111286	Omt2a	0	1	0.113855	0	0	No change
NM_001111288	Sco2	0	1	-0.0466099	10.3474	9.53033	No change
NM_001111296	Sult2a1	0	1	1.11385	0	0.0703144	No change
NM_001111316	Ptprc	0	1	-0.0489403	4.02359	3.70109	No change
NM_001111318	Cldn24	0	1	-1.62311	0.946058	0.216564	No change
NM_001111320	ldh1	0	1	-0.159878	23.0886	19.6679	No change
NM_001111330	Gm16379	0	1	0.189406	12.1435	13.1889	No change
NM_001111336	Hsd3b4	0	1	-1.15916	1.15468	0.467279	No change
NM_001112668	Gm9790	0	1	-0.173026	49.9685	42.1603	No change
NM_001112697	Chrm1	0	1	0.113855	0.155218	0.159891	No change
NM_001112698	Ngf	0	1	0.354863	0.657481	0.812728	No change
NM_001112702	Tnni1	0	1	-1.88615	0.201425	0	No change
NM_001112725	Aldh3a1	0	1	-0.157447	1.48562	1.26028	No change
NM_001112729	BC019943	0	1	-0.102279	4.75682	4.2163	No change
NM_001112813	Cacna1g	0	1	-0.812145	0.316242	0.167283	No change
NM_001113187	Khdc1b	0	1	0.698817	0.15508	0.255598	No change
NM_001113198	Mitf	0	1	0.561314	0.769615	1.08641	No change
NM_001113208	Ncam2	0	1	-0.886145	0.0195492	0	No change
NM_001113238	Fcrl5	0	1	-0.886145	0.0262299	0	No change
NM_001113283	BC031353	0	1	-0.142862	10.1939	8.78636	No change
NM_001113325	Gria1	0	1	-0.0496439	0.332164	0.304145	No change
NM_001113330	Crx	0	1	0.113855	0	0	No change
NM_001113333	Cry2	0	1	0.144661	4.3856	4.61584	No change
NM_001113345	Gatad2a	0	1	-0.090753	18.5178	16.5512	No change
NM_001113356	C1rb	0	1	0.0737774	2.31666	2.32011	No change
NM_001113360	Plch2	0	1	0.113855	0.689619	0.71038	No change
NM_001113379	Lrrc32	0	1	0.435783	0.420057	0.545581	No change
NM_001113386	Lifr	0	1	0.100115	5.1461	5.25054	No change
NM_001113387	Myl1	0	1	-1.88615	0.25591	0	No change
NM_001113391	Cd247	0	1	-0.208073	0.372026	0.298065	No change
NM_001113395	Gm16501	0	1	-2.20807	0.829678	0	No change
NM_001113401	Eaf2	0	1	0.278914	1.18124	1.3689	No change
NM_001113406	Krtap11-1	0	1	1.69882	0	0.142442	No change
NM_001113414	Ebf3	0	1	-0.564217	0.209246	0.129327	No change
NM_001113418	Ppara	0	1	0.0242176	1.59558	1.544	No change
NM_001113468	Vmn2r29	0	1	0.427013	1.77024	2.2724	No change
NM_001113478	Frrs1	0	1	0.487313	1.17706	1.57906	No change
NM_001113481	Sema4f	0	1	-1.30118	0.178373	0.052498	No change
NM_001113486	Sept9	0	1	0.201522	7.97922	8.73563	No change
NM_001113514	Itga9	0	1	0.0112851	1.35888	1.30277	No change
NM_001113529	Csf1	0	1	0.288251	3.76948	4.38468	No change
NM_001113548	Adamts15	0	1	0.791927	0.551276	0.926528	No change
NM_001113550	4833420G17Rik	0	1	0.26243	7.96027	9.09241	No change
NM_001113556	A530064D06Rik	0	1	-1.88615	0.121841	0	No change
NM_001113558	Ucma	0	1	0.113855	0	0	No change
NM_001113569	Stxbp1	0	1	-0.132583	2.08818	1.81046	No change
NM_001113735	Gm13057	0	1	0.113855	0	0	No change
NM_001113736	Gm13040	0	1	0.113855	0	0	No change
NM_001114084	Dgat2l6	0	1	0.113855	0	0	No change
NM_001114087	Pdlim7	0	1	0.498519	2.4223	3.27943	No change
NM_001114116	Syt3	0	1	0.554427	0.761517	1.07498	No change
NM_001114153	Rhox2g	0	1	0.113855	0	0	No change
NM_001114339	Pank1	0	1	0.160059	13.5962	14.4619	No change
NM_001114529	Gm4906	0	1	0.113855	0	0	No change
NM_001114637	Jmjd7	0	1	0.371013	2.0157	2.49166	No change
NM_001114679	9930111J21Rik1	0	1	0.113855	3.08504	3.17791	No change
NM_001115077	Gm13125	0	1	0.113855	0	0	No change
NM_001115087	Fancf	0	1	0.528892	0.57768	0.807595	No change
NM_001122594	Phlpp2	0	1	0.175584	1.61643	1.73828	No change

NM_001122595	A630033H20Rik	0	1	1.33625	0.0465085	0.143726	No change
NM_001122603	Fcgbp	0	1	0.435783	0.0615196	0.0814778	No change
NM_001122639	Galnt9	0	1	1.05727	0.5361	1.10448	No change
NM_001122647	Mup10	0	1	-1.47111	0.158034	0	No change
NM_001122662	Gm2016	0	1	-1.88615	0.118391	0	No change
NM_001122667	Mkl2	0	1	-0.0941823	5.88279	5.24496	No change
NM_001122668	E330014E10Rik	0	1	-0.886145	0.0329051	0	No change
NM_001122678	Gm3286	0	1	-0.886145	0.0348291	0	No change
NM_001122682	Vmn1r132	0	1	0.113855	0	0	No change
NM_001122733	Kit	0	1	0.0849034	4.04894	4.08769	No change
NM_001122759	Pde7a	0	1	-0.179462	13.4471	11.2997	No change
NM_001122768	Lrrc8d	0	1	0.0240581	4.10376	3.9711	No change
NM_001122892	Fyn	0	1	-0.155332	3.77756	3.22539	No change
NM_001122949	Mpl	0	1	0.113855	0	0	No change
NM_001122950	Hoxa10	0	1	0.28378	0.741757	0.863751	No change
NM_001122960	Ccdc53	0	1	-0.063023	6.86926	6.25165	No change
NM_001122978	Casp8ap2	0	1	0.0288853	5.75017	5.58386	No change
NM_001122982	Ccnc	0	1	-0.242289	3.01142	2.41273	No change
NM_001122993	B3galt5	0	1	-0.623111	0.0527877	0.0271884	No change
NM_001123327	Qser1	0	1	0.113855	5.29825	5.45775	No change
NM_001123362	Prdm12	0	1	0.113855	0	0	No change
NM_001123394	Ang3	0	1	0.113855	0	0	No change
NM_001126047	Sema4c	0	1	0.113855	4.26766	4.39614	No change
NM_001126182	Naip2	0	1	-0.309357	0.850629	0.649624	No change
NM_001126314	Mboat4	0	1	1.28378	0.113692	0.312304	No change
NM_001126315	Gm13109	0	1	0.113855	0	0	No change
NM_001126316	Gm438	0	1	-0.886145	0.0486683	0	No change
NM_001126318	Gm13011	0	1	-1.88615	0.218245	0	No change
NM_001126319	Mup9	0	1	-1.47111	0.193591	0	No change
NM_001126320	Gm11563	0	1	0.113855	0	0	No change
NM_001126321	Gm14743	0	1	0.113855	0	0	No change
NM_001126322	Gm11595	0	1	0.113855	0	0	No change
NM_001126323	Gm11565	0	1	-2.47111	0.378355	0	No change
NM_001126324	Gm13083	0	1	0.113855	0	0	No change
NM_001126325	Gm13088	0	1	0.113855	0	0	No change
NM_001126326	Gm11756	0	1	0.113855	0	0	No change
NM_001126330	Trp73	0	1	-1.41666	0.366342	0.120759	No change
NM_001127169	Tceal7	0	1	0.113855	0	0	No change
NM_001127177	Ptpn2	0	1	-0.08843	5.50644	4.92901	No change
NM_001127233	Trp53	0	1	0.404756	3.46972	4.38125	No change
NM_001127318	Gucy2c	0	1	-1.58658	0.212478	0.0547187	No change
NM_001127324	Ercc1	0	1	-0.431141	4.94595	3.47376	No change
NM_001127330	Pparg	0	1	-0.0560702	0.300239	0.270618	No change
NM_001127354	Gm11938	0	1	0.113855	0	0	No change
NM_001127376	Wisp3	0	1	-0.886145	0.245744	0.101257	No change
NM_001127685	BC048943	0	1	-2.20807	0.366323	0	No change
NM_001127686	Gm5736	0	1	0.113855	0	0	No change
NM_001127725	Sec145	0	1	0.113855	0.119286	0.122877	No change
NM_001128080	Tspan32	0	1	0.988324	0.220408	0.454086	No change
NM_001128090	Rergl	0	1	1.11385	0.306567	0.736857	No change
NM_001128091	Aadacl2	0	1	0.113855	0	0	No change
NM_001128092	Gm765	0	1	0.113855	0	0	No change
NM_001128093	Siah3	0	1	-1.47111	0.154018	0	No change
NM_001128132	Cd200r3	0	1	-1.47111	0.0859346	0	No change
NM_001128145	5830411N06Rik	0	1	-2.05607	0.186407	0.0240023	No change
NM_001128180	Dlgap1	0	1	0.40198	1.23467	1.55597	No change
NM_001128510	Gm9513	0	1	0.113855	0	0	No change
NM_001128599	Opn4	0	1	0.113855	0	0	No change
NM_001129803	Pcp2	0	1	-0.538222	1.39108	0.859772	No change
NM_001130149	Drosha	0	1	-0.132785	2.1193	1.83757	No change
NM_001130150	Arhgef1	0	1	0.287503	1.72106	2.0023	No change
NM_001130174	Trnt2	0	1	0.735343	1.5072	2.42201	No change
NM_001130187	Smarcd2	0	1	-0.147625	18.745	16.1041	No change
NM_001130188	Sgce	0	1	0.0932445	5.40854	5.49177	No change
NM_001130193	Best2	0	1	0.113855	0	0	No change
NM_001130409	Ptk2	0	1	-0.0667174	15.7865	14.3462	No change
NM_001130416	Hdac6	0	1	-0.0485808	25.0874	23.0889	No change
NM_001130419	Hpca	0	1	-1.6935	0.556858	0.132374	No change
NM_001130456	Sema6b	0	1	0.738346	0.429052	0.691776	No change
NM_001130693	Gucy2d	0	1	-2.20807	0.0788382	0	No change
NM_001131020	Gfap	0	1	-0.886145	0.241245	0.110448	No change
NM_001131068	Rfesp	0	1	0.175255	7.45126	8.01062	No change
NM_001134399	Megf11	0	1	0.130928	0.961202	1.00207	No change
NM_001134457	Fam55c	0	1	-0.212575	3.46839	2.84708	No change
NM_001134458	Ilr	0	1	-1.62311	0.203252	0.0465269	No change
NM_001134459	Prickle2	0	1	0.335108	1.59237	1.9137	No change

NM_001134480	Plcxd2	0	1	-0.203627	0.759907	0.626226	No change
NM_001134644	LOC100048885	0	1	-1.47111	0.157855	0	No change
NM_001134660	Prr23a	0	1	-0.886145	0.0658101	0	No change
NM_001134661	Gm6406	0	1	0.113855	0	0	No change
NM_001134674	Mup13	0	1	-1.47111	0.141652	0	No change
NM_001134675	Mup7	0	1	-1.20807	0.269866	0.0694976	No change
NM_001134676	Mup8	0	1	-1.47111	0.141365	0	No change
NM_001134697	Ctxn3	0	1	-1.14918	0.520803	0.195084	No change
NM_001134717	2810006K23Rik	0	1	0.426239	3.72026	4.76903	No change
NM_001135093	Klf14	0	1	-0.886145	0.0703969	0.024172	No change
NM_001135115	Gm12250	0	1	-0.301183	0.902758	0.690809	No change
NM_001135127	Mup19	0	1	-1.47111	0.158754	0	No change
NM_001135151	Slc39a14	0	1	0.27813	2.80073	3.23475	No change
NM_001135172	C1qtnf7	0	1	0.368428	2.39289	2.94911	No change
NM_001135567	1190007I07Rik	0	1	0.538353	3.44738	4.79886	No change
NM_001135611	3110062M04Rik	0	1	0.257691	2.52124	2.87164	No change
NM_001135688	Ly6h	0	1	-1.20807	0.283017	0.0728842	No change
NM_001135991	Krtap10-4	0	1	0.113855	0.0772649	0.0795909	No change
NM_001136056	Cntfr	0	1	-0.0236487	0.348814	0.323383	No change
NM_001136057	Cpne6	0	1	0.113855	0	0	No change
NM_001136058	Crmp1	0	1	-1.37157	0.297149	0.094183	No change
NM_001136059	Cyp1a1	0	1	0.544489	0.584985	0.82172	No change
NM_001136063	Gfra4	0	1	-1.3191	2.05444	0.732561	No change
NM_001136068	Klrc1	0	1	0.113855	0	0	No change
NM_001136070	Eif2d	0	1	0.343056	5.29046	6.39434	No change
NM_001136071	Lsp1	0	1	-0.116443	2.98045	2.60965	No change
NM_001136074	Nrl	0	1	0.113855	0.0362418	0.0373328	No change
NM_001136075	Numb	0	1	0.0725666	11.2958	11.3065	No change
NM_001136078	Pitpnm1	0	1	-0.0787903	2.02923	1.82683	No change
NM_001136081	Ssrp1	0	1	0.13101	21.3868	22.2945	No change
NM_001136084	Tph1	0	1	0.435783	0.120715	0.165799	No change
NM_001136089	Anxa10	0	1	0.113855	0	0	No change
NM_001136091	Tcirg1	0	1	-0.00398168	3.94097	3.73911	No change
NM_001136104	Abl2	0	1	0.156973	5.73516	6.08726	No change
NM_001136117	C2cd4d	0	1	-0.886145	0.0529582	0	No change
NM_001136181	Hsbp111	0	1	0.0456833	10.7904	10.5996	No change
NM_001136227	Rtkn	0	1	0.200566	3.55609	3.89208	No change
NM_001136236	Fcrl1	0	1	1.28378	0.263276	0.658633	No change
NM_001136237	Slc39a5	0	1	0.698817	0.179528	0.295893	No change
NM_001136471	Ccdc9	0	1	-0.227182	8.46021	6.87325	No change
NM_001136476	Slx	0	1	-0.886145	0.0754253	0	No change
NM_001136496	Zfp935	0	1	0.258245	6.56172	7.47388	No change
NM_001139509	Nr4a2	0	1	0.936977	0.276376	0.521944	No change
NM_001139511	Raly	0	1	0.171659	12.9121	13.8463	No change
NM_001139519	Zbp1	0	1	0.492366	0.80312	1.10306	No change
NM_001139520	Samhd1	0	1	0.161587	5.66581	6.03331	No change
NM_001141933	Nkain4	0	1	0.933283	1.28912	2.40686	No change
NM_001141965	Naa20	0	1	-0.0271891	12.3885	11.567	No change
NM_001141971	5730494N06Rik	0	1	-0.0274503	18.9576	17.7019	No change
NM_001142322	Myo9b	0	1	0.0710599	4.56533	4.56503	No change
NM_001142335	Lmo2	0	1	0.13939	2.52344	2.64667	No change
NM_001142357	Alg12	0	1	-0.0617838	8.24149	7.51262	No change
NM_001142580	Vipar	0	1	0.059486	19.171	19.0167	No change
NM_001142647	Tmem194b	0	1	-0.246547	1.93021	1.54412	No change
NM_001142690	Dmrta1c2	0	1	-2.88615	0.302825	0	No change
NM_001142691	Dmrta1c1	0	1	-2.88615	0.302825	0	No change
NM_001142701	Hmha1	0	1	-0.255379	1.0823	0.859006	No change
NM_001142706	Cfb	0	1	0.123874	7.26656	7.53766	No change
NM_001142724	Kbtbd12	0	1	-1.62311	0.382695	0.0876034	No change
NM_001142734	Gm8994	0	1	0.182568	3.58877	3.87936	No change
NM_001142775	Skint7	0	1	0.113855	0	0	No change
NM_001142809	Slc6a8	0	1	0.440356	1.09005	1.41264	No change
NM_001142916	Plod2	0	1	-0.387043	1.38973	1.00596	No change
NM_001142918	Tcf7l2	0	1	-0.400718	0.822484	0.587884	No change
NM_001142943	Zfp949	0	1	0.119591	4.98234	5.15286	No change
NM_001142957	Zfp955b	0	1	-0.12061	10.7468	9.40648	No change
NM_001142965	6430704M03Rik	0	1	0.113855	0.1085	0.111766	No change
NM_001142968	BC024139	0	1	0.113855	1.29403	1.33299	No change
NM_001142969	A630073D07Rik	0	1	0.113855	0	0	No change
NM_001143671	Fam70b	0	1	-0.208073	0.227941	0.176102	No change
NM_001143686	Apol11b	0	1	0.113855	0.135523	0.139603	No change
NM_001143689	H2-Gs10	0	1	0.0168304	4.74207	4.56451	No change
NM_001143802	Fam196a	0	1	0.163323	1.27753	1.36243	No change
NM_001143956	Mettl11b	0	1	0.872847	0.794222	1.43173	No change
NM_001144855	Ppfa4	0	1	-0.425304	1.05682	0.745481	No change
NM_001144948	Gm12886	0	1	1.11385	0	0.0624813	No change

NM_001144953	Vva5b2	0	1	0.698817	0.0153949	0.0317168	No change
NM_001145013	Rfp14	0	1	0.113855	0.0482304	0.0496823	No change
NM_001145015	Arhgap40	0	1	1.11385	0.103096	0.247799	No change
NM_001145034	Gm13889	0	1	-0.886145	1.34959	0.667306	No change
NM_001145060	Glyat13	0	1	-1.47111	0.159663	0	No change
NM_001145096	Hhla1	0	1	-1.88615	0.092431	0	No change
NM_001145162	Ube2q11	0	1	-0.301183	0.0779563	0.0535354	No change
NM_001145192	A330050F15Rik	0	1	0.113855	0	0	No change
NM_001145198	1500009L16Rik	0	1	-0.0313431	5.42834	5.05062	No change
NM_001145259	1700018A14Rik	0	1	-1.37157	1.27427	0.403887	No change
NM_001145390	Gm766	0	1	-1.47111	0.0944989	0	No change
NM_001145403	Kcnt1	0	1	0.292192	0.683808	0.799581	No change
NM_001145552	2310045N01Rik	0	1	0.0549611	5.69159	5.62363	No change
NM_001145644	Phgr1	0	1	0.113855	0	0	No change
NM_001145801	Ctla2b	0	1	0.461778	1.27598	1.68994	No change
NM_001145806	Capn8	0	1	0.0720346	0.954313	0.954129	No change
NM_001145826	Specc11	0	1	-0.115707	13.7702	12.0964	No change
NM_001145830	Plcb1	0	1	0.0649452	0.886349	0.882255	No change
NM_001145874	Muc20	0	1	-0.125816	1.84052	1.60274	No change
NM_001145878	Gm5082	0	1	-2.20807	0.194673	0	No change
NM_001145884	Itgb5	0	1	-0.185025	6.90134	5.77478	No change
NM_001145888	Zfat	0	1	0.0279547	2.6829	2.60299	No change
NM_001145898	BC052040	0	1	0.557461	0.603838	0.855272	No change
NM_001145900	Btbd6	0	1	0.203122	8.21569	9.00552	No change
NM_001145924	5730528L13Rik	0	1	-0.533843	1.86497	1.21113	No change
NM_001145926	C530028O21Rik	0	1	0.92121	0.235449	0.450426	No change
NM_001145953	Lgals3	0	1	0.591177	2.47841	3.57423	No change
NM_001145955	Pigv	0	1	0.205777	5.02321	5.51711	No change
NM_001145965	Dlgap2	0	1	-1.47111	0.0316068	0	No change
NM_001145967	Atg4c	0	1	0.268775	6.13178	7.03531	No change
NM_001146005	Gpr77	0	1	1.11385	0.121947	0.272173	No change
NM_001146013	Slc6a5	0	1	0.113855	0	0	No change
NM_001146024	Zfp444	0	1	-0.0837451	1.99536	1.79022	No change
NM_001146031	Nrcam	0	1	-0.886145	0.123065	0.0585093	No change
NM_001146059	Als2cl	0	1	0.209012	1.19168	1.31222	No change
NM_001146084	Fastkd5	0	1	0.172407	3.7443	4.01772	No change
NM_001146087	Il1f5	0	1	-0.471108	0.0754253	0.0388479	No change
NM_001146089	Ascc3	0	1	-0.0555868	10.4209	9.54397	No change
NM_001146107	Gm10696	0	1	-1.88615	0.093048	0	No change
NM_001146153	Homer3	0	1	0.0235524	12.6559	12.2441	No change
NM_001146198	Nkx2-1	0	1	1.11385	0	0.0317238	No change
NM_001146199	Ptpn21	0	1	-0.0688375	2.83182	2.56857	No change
NM_001146200	Pik3cg	0	1	0.113855	0.61982	0.638479	No change
NM_001146268	Pdgfrb	0	1	0.173356	1.21026	1.29974	No change
NM_001146287	Cables1	0	1	-0.278463	0.416948	0.322125	No change
NM_001146295	Celf4	0	1	-3.05607	0.246919	0	No change
NM_001146298	Wac	0	1	0.0242613	12.0376	11.6525	No change
NM_001146307	Clnka	0	1	0.92121	0.0869351	0.179104	No change
NM_001146325	Tigit	0	1	0.698817	0.217112	0.372746	No change
NM_001146329	Sbk2	0	1	2.43578	0	0.252119	No change
NM_001146330	Gpr52	0	1	-0.371572	0.834262	0.594953	No change
NM_001146348	Eng	0	1	0.286691	1.09721	1.27675	No change
NM_001159284	Smtn	0	1	0.425056	2.2017	2.81907	No change
NM_001159299	Itih4	0	1	1.69882	0	0.0456976	No change
NM_001159301	Lgals9	0	1	0.152329	5.13478	5.43361	No change
NM_001159317	Il1rap	0	1	0.44643	0.44952	0.587721	No change
NM_001159321	Grid2ip	0	1	0.113855	0.0182204	0.0187689	No change
NM_001159329	Gtpbp8	0	1	0.0891928	7.39263	7.48501	No change
NM_001159344	Casz1	0	1	-0.0101339	0.734899	0.693937	No change
NM_001159351	Ube2v2	0	1	0.100703	6.64778	6.78565	No change
NM_001159354	Magj3	0	1	0.158943	6.6672	7.08629	No change
NM_001159361	Dip2b	0	1	-0.000639979	5.73086	5.45238	No change
NM_001159364	Cep97	0	1	-0.16178	2.83817	2.40386	No change
NM_001159374	Krt32	0	1	0.113855	0	0	No change
NM_001159389	Rfx6	0	1	-3.05607	0.16128	0	No change
NM_001159401	Upp1	0	1	-0.623111	0.221952	0.114317	No change
NM_001159407	B3gnt5	0	1	-0.471108	0.0286096	0.0147354	No change
NM_001159415	Ces3b	0	1	-1.88615	0.254752	0.0374888	No change
NM_001159419	Sidt1	0	1	0.435783	0.049022	0.0673303	No change
NM_001159421	Ccdc58	0	1	-0.0358923	5.02939	4.66271	No change
NM_001159424	Il12a	0	1	1.11385	0	0.0550967	No change
NM_001159487	Rbp4	0	1	-0.564217	0.392478	0.231025	No change
NM_001159492	Gpatch8	0	1	-0.0553127	7.27648	6.66503	No change
NM_001159505	Tnfsf13	0	1	-0.406402	4.49095	3.2126	No change
NM_001159507	Grip2	0	1	-0.0381483	0.121959	0.111672	No change
NM_001159519	Pfas	0	1	0.0763192	6.80625	6.83079	No change

NM_001159520	Pax3	0	1	0.113855	0	0	No change
NM_001159521	Plxnb2	0	1	-0.0160609	22.3858	21.073	No change
NM_001159523	Shd	0	1	0.113855	0.090746	0.0934778	No change
NM_001159533	Cacna1c	0	1	0.28378	0.668984	0.776354	No change
NM_001159559	Xrcc6bp1	0	1	0.0649452	1.89418	1.88392	No change
NM_001159564	Itgb6	0	1	0.265858	0.88291	1.01217	No change
NM_001159573	Fip1l1	0	1	0.285679	5.69845	6.61539	No change
NM_001159581	Mutyh	0	1	0.557461	0.963497	1.36469	No change
NM_001159593	Slc20a1	0	1	0.13247	2.62341	2.73794	No change
NM_001159598	Axin1	0	1	-0.0540083	8.27734	7.58782	No change
NM_001159602	Tmem8c	0	1	0.113855	0	0	No change
NM_001159630	Scmh1	0	1	-0.26279	7.43005	5.88939	No change
NM_001159632	Atp6v1c2	0	1	0.286494	5.10587	5.93388	No change
NM_001159649	Lax1	0	1	-0.0787903	0.911211	0.817527	No change
NM_001159650	Crybb3	0	1	0.113855	0.183886	0.189422	No change
NM_001159657	5430407P10Rik	0	1	0.170438	0.461415	0.49511	No change
NM_001159658	Aqp12	0	1	0.113855	0	0	No change
NM_001159693	Zar1l	0	1	0.113855	0	0	No change
NM_001159696	Tcfap2c	0	1	0.719576	0.551924	0.878651	No change
NM_001159711	Ly96	0	1	0.765932	1.65029	2.7461	No change
NM_001159714	Prpf31	0	1	0.0536197	5.97878	5.90598	No change
NM_001159717	Sept2	0	1	0.026392	49.3135	47.8086	No change
NM_001159725	Rab17	0	1	0.712492	1.51992	2.39457	No change
NM_001159730	Pdc	0	1	-1.47111	0.111777	0	No change
NM_001159731	Rxrg	0	1	-2.20807	0.166332	0	No change
NM_001159738	Ccl20	0	1	0.113855	0	0	No change
NM_001159745	St8sia4	0	1	-0.0496439	1.34986	1.236	No change
NM_001159748	Serpib8	0	1	0.698817	0.509534	0.816469	No change
NM_001159769	Nr5a2	0	1	-0.400718	0.172555	0.1185	No change
NM_001159775	Olf391-ps	0	1	0.113855	0	0	No change
NM_001159850	Kcnk2	0	1	0.00693961	1.41187	1.34898	No change
NM_001159864	Kctd18	0	1	-0.0493755	5.70336	5.24362	No change
NM_001159866	Uchl5	0	1	-0.254533	5.31748	4.23442	No change
NM_001159888	Ociad1	0	1	0.180224	30.1627	32.5358	No change
NM_001159925	Pax4	0	1	0.113855	0	0	No change
NM_001159934	Oas1h	0	1	-0.471108	0.10632	0.0547605	No change
NM_001159940	2310007B03Rik	0	1	-0.6935	0.18165	0.093559	No change
NM_001160112	Foxg1	0	1	0.113855	0	0	No change
NM_001160139	Kcnq5	0	1	-1.62311	0.089862	0.0205705	No change
NM_001160149	Cgref1	0	1	0.393963	0.72655	0.921135	No change
NM_001160163	Neu2	0	1	0.884373	0.649439	1.17073	No change
NM_001160178	Klhdc7b	0	1	-1.47111	0.0766699	0	No change
NM_001160208	Blzf1	0	1	-0.155606	9.5657	8.17178	No change
NM_001160211	Cnih3	0	1	-1.47111	0.0522044	0	No change
NM_001160214	Smek1	0	1	-0.00398168	13.9113	13.2049	No change
NM_001160251	Zfp281	0	1	-0.192984	5.64149	4.69533	No change
NM_001160252	Cabp2	0	1	0.113855	0	0	No change
NM_001160261	Fam78b	0	1	0.180969	0.298727	0.323106	No change
NM_001160265	Cyp2w1	0	1	-0.886145	0.0460932	0	No change
NM_001160307	Serpib10-ps	0	1	-0.623111	0.0841194	0.0433259	No change
NM_001160316	Nfasc	0	1	-0.14918	0.126175	0.107037	No change
NM_001160353	Grm2	0	1	0.113855	0	0	No change
NM_001160359	A130010J15Rik	0	1	0.228719	3.31696	3.70154	No change
NM_001160363	5430405G05Rik	0	1	-1.47111	0.097133	0	No change
NM_001160369	A830018L16Rik	0	1	-0.471108	0.049977	0.0257408	No change
NM_001160385	Tmem196	0	1	0.528892	0.119337	0.184395	No change
NM_001160399	Ccdc112	0	1	-0.208073	2.58767	2.12733	No change
NM_001160403	Il1rapl1	0	1	0.528892	0.0508893	0.078632	No change
NM_001160406	Gfi1b	0	1	-0.471108	0.420759	0.275816	No change
NM_001160412	Triml2	0	1	-0.886145	0.0475071	0	No change
NM_001160422	Optc	0	1	0.735343	1.48917	2.39303	No change
NM_001160424	Tgm7	0	1	-0.301183	0.0984827	0.0676316	No change
NM_001160711	Cd300lg	0	1	-0.383645	0.586727	0.420445	No change
NM_001161111	Pqhc3	0	1	0.229332	0.755293	0.84876	No change
NM_001161365	Rin3	0	1	-0.48881	0.742599	0.49722	No change
NM_001161428	Unc93b1	0	1	0.254032	3.39368	3.85624	No change
NM_001161431	Slitrk2	0	1	-1.47111	0.152324	0.04615	No change
NM_001161432	Eda2r	0	1	0.259706	0.669425	0.764531	No change
NM_001161608	Gm13272	0	1	1.03139	0.687477	1.41634	No change
NM_001161609	Gm13285	0	1	0.239386	1.26945	1.43843	No change
NM_001161610	Gm13287	0	1	0.92121	0.888617	1.69997	No change
NM_001161621	Abp1	0	1	0.542698	0.615445	0.862202	No change
NM_001161667	Acox2	0	1	1.52889	0.0569387	0.205285	No change
NM_001161714	Tgm1	0	1	-0.267235	1.39234	1.09525	No change
NM_001161737	Siva1	0	1	0.0863741	6.17382	6.23738	No change
NM_001161741	Reg3d	0	1	0.113855	0	0	No change

NM_001161747	Palm	0	1	-0.656663	1.57701	0.940493	No change
NM_001161763	Fmo5	0	1	0.407586	0.817237	1.03505	No change
NM_001161782	Trim32	0	1	-0.0922678	7.35563	6.56529	No change
NM_001161790	Mefv	0	1	0.698817	0.0214506	0.0441927	No change
NM_001161796	Gucy1b3	0	1	0.180969	0.883553	0.954549	No change
NM_001161797	Phactr4	0	1	-0.0082923	4.19182	3.96618	No change
NM_001161798	Mthfr	0	1	-0.154302	9.0366	7.72771	No change
NM_001161799	Mfap2	0	1	0.294427	0.925713	1.08981	No change
NM_001161802	Zscan4e	0	1	-1.88615	0.119816	0	No change
NM_001161822	Rgs17	0	1	-0.803683	0.280814	0.149017	No change
NM_001161832	T2	0	1	-1.6935	0.238538	0.0409532	No change
NM_001161842	Il18r1	0	1	0.988324	0.181587	0.374106	No change
NM_001161847	Sgk1	0	1	0.413415	3.10222	3.93941	No change
NM_001161853	Smarcb1	0	1	-0.031862	19.5397	18.19	No change
NM_001161854	Csde1	0	1	-0.00615199	88.8297	84.1989	No change
NM_001162381	Fam166b	0	1	-0.301183	1.04183	0.790774	No change
NM_001162412	Cysltr2	0	1	0.698817	0.199693	0.329128	No change
NM_001162415	Pfkfb2	0	1	0.0304388	16.7951	16.3276	No change
NM_001162423	Arhgap4	0	1	0.569534	0.720669	1.02621	No change
NM_001162432	Lck	0	1	0.113855	1.0417	1.07306	No change
NM_001162465	Dtnb	0	1	-0.153467	9.94345	8.50517	No change
NM_001162475	Stra6	0	1	-0.333604	0.352621	0.259454	No change
NM_001162489	Heatr7a	0	1	-0.0225644	3.61351	3.38517	No change
NM_001162523	Ceacam12	0	1	-0.886145	0.0463076	0	No change
NM_001162540	Stk32c	0	1	-0.21372	2.33173	1.90629	No change
NM_001162903	2010109K11Rik	0	1	0.113855	2.16375	2.22889	No change
NM_001162909	Ncrna00085	0	1	0.225646	13.2809	14.7882	No change
NM_001162910	Gm3604	0	1	0.190476	1.28928	1.40188	No change
NM_001162911	Zfp934	0	1	-0.514176	1.55913	1.02788	No change
NM_001162918	Ccdc90b	0	1	-0.252928	6.81069	5.42997	No change
NM_001162925	Nudt17	0	1	-0.886145	0.782481	0.37615	No change
NM_001162932	A630055G03Rik	0	1	-1.40072	0.35415	0.115203	No change
NM_001162934	Ctxn2	0	1	-2.47111	0.338315	0	No change
NM_001162937	Bet3l	0	1	0.113855	0	0	No change
NM_001162938	Pydc3	0	1	-1.88615	0.163325	0.0240345	No change
NM_001162940	Gm10081	0	1	0.113855	0	0	No change
NM_001162944	Gm10318	0	1	0.113855	0.0749386	0.0771946	No change
NM_001162950	Hif3a	0	1	0.0358523	0.564315	0.550162	No change
NM_001162957	Rsph4a	0	1	0.243138	0.591913	0.668738	No change
NM_001162970	Aim1l	0	1	0.265858	0.117106	0.135711	No change
NM_001162983	Lrrc38	0	1	-0.886145	0.0299497	0	No change
NM_001162996	Eml2	0	1	0.443162	2.37976	3.08813	No change
NM_001162999	Fnip2	0	1	0.183303	3.57551	3.86528	No change
NM_001163006	2310028O11Rik	0	1	-0.0695125	16.9243	15.3496	No change
NM_001163007	Tnik	0	1	-0.141274	3.5677	3.07777	No change
NM_001163010	Mup1	0	1	-1.47111	0.175108	0	No change
NM_001163014	Gp6	0	1	-0.886145	0.0604973	0	No change
NM_001163015	Gprasp2	0	1	0.12549	9.00855	9.35504	No change
NM_001163018	Suz12	0	1	0.189188	8.744	9.49095	No change
NM_001163027	Hctr1	0	1	0.85082	0.161252	0.298991	No change
NM_001163032	Synpr	0	1	0.765932	0.15738	0.270196	No change
NM_001163104	Fam46d	0	1	-0.0420161	11.5304	10.6587	No change
NM_001163105	Krtap27-1	0	1	-1.47111	0.228877	0	No change
NM_001163138	Card6	0	1	-0.391673	2.43025	1.75873	No change
NM_001163141	Krtap24-1	0	1	-3.05607	0.354897	0	No change
NM_001163143	C2cd4a	0	1	0.113855	0	0	No change
NM_001163145	1810041L15Rik	0	1	-1.37157	0.15312	0.048532	No change
NM_001163155	Col4a5	0	1	0.276126	1.79306	2.06823	No change
NM_001163161	Clec4d	0	1	0.113855	0.104566	0.107713	No change
NM_001163170	Lix1l	0	1	0.332865	3.36104	4.03449	No change
NM_001163192	Ly6g6f	0	1	0.113855	0.0652556	0.06722	No change
NM_001163194	Sfta2	0	1	0.113855	0	0	No change
NM_001163218	Prl3c1	0	1	-2.20807	0.327197	0	No change
NM_001163239	Nqo2	0	1	-0.234068	5.11155	4.13308	No change
NM_001163247	Birc7	0	1	-0.886145	0.0591621	0	No change
NM_001163262	4933407C03Rik	0	1	0.35343	2.3703	2.88559	No change
NM_001163266	Lsm10	0	1	-0.297776	12.0308	9.29476	No change
NM_001163268	Lpar5	0	1	-0.14918	0.239002	0.196957	No change
NM_001163270	Baiap3	0	1	0.205278	1.59041	1.74648	No change
NM_001163282	Gdf1	0	1	-0.234068	0.332602	0.26355	No change
NM_001163310	Rit1	0	1	0.155849	6.9575	7.37953	No change
NM_001163311	Srr	0	1	0.0772362	15.9935	16.0615	No change
NM_001163316	Get4	0	1	-0.227182	9.64419	7.83515	No change
NM_001163317	Clrn2	0	1	-0.886145	0.0738273	0	No change
NM_001163328	Raly1	0	1	-0.564217	0.201093	0.118369	No change
NM_001163332	Cttnbp2nl	0	1	0.0331235	6.33834	6.17301	No change

NM_001163336	Atp2a3	0	1	-0.183127	1.3106	1.09592	No change
NM_001163348	Ntng1	0	1	1.11385	0.080741	0.180205	No change
NM_001163353	Gm12171	0	1	0.113855	0	0	No change
NM_001163357	Gm12169	0	1	0.113855	0	0	No change
NM_001163358	Dppa1	0	1	0.113855	0	0	No change
NM_001163388	2810002N01Rik	0	1	-0.0436865	5.80774	5.35284	No change
NM_001163394	Evl	0	1	-0.493828	2.01129	1.34834	No change
NM_001163416	Ptx4	0	1	0.698817	0.0467111	0.0962345	No change
NM_001163421	Tatdn3	0	1	0.0646673	9.89262	9.84693	No change
NM_001163427	1700040I03Rik	0	1	-0.27471	4.5732	3.58291	No change
NM_001163432	Clk2	0	1	0.023657	7.94506	7.68633	No change
NM_001163454	Prorsd1	0	1	0.297938	5.50207	6.44364	No change
NM_001163455	Tbck	0	1	0.34832	3.11935	3.78404	No change
NM_001163457	Mttp	0	1	0.184967	7.73278	8.36889	No change
NM_001163472	Cyp2d22	0	1	-0.301183	2.69017	2.07189	No change
NM_001163473	1810010H24Rik	0	1	0.765932	1.2683	2.09036	No change
NM_001163481	Fkbp10	0	1	0.293561	2.60008	3.03731	No change
NM_001163486	Hsd17b13	0	1	0.113855	0	0	No change
NM_001163498	Rundc2a	0	1	-0.108538	2.77615	2.44268	No change
NM_001163503	2010001E11Rik	0	1	-1.30118	0.213501	0.0628367	No change
NM_001163504	Nr1h4	0	1	-0.623111	0.127351	0.0655925	No change
NM_001163510	Kcnn4	0	1	-0.523575	0.444776	0.281948	No change
NM_001163518	2410075B13Rik	0	1	-0.293055	3.37783	2.61707	No change
NM_001163522	Emcn	0	1	0.251358	1.86039	2.11294	No change
NM_001163530	Prl	0	1	-0.886145	0.0782188	0	No change
NM_001163539	5430427O19Rik	0	1	0.868742	0.272593	0.486718	No change
NM_001163548	Cyth3	0	1	0.0244878	10.5569	10.2205	No change
NM_001163564	Naf1	0	1	-0.261654	2.21432	1.75276	No change
NM_001163570	Exosc8	0	1	-0.252017	13.5363	10.8078	No change
NM_001163571	Senp3	0	1	-0.0683485	18.4077	16.7083	No change
NM_001163573	Scnm1	0	1	0.0729245	14.618	14.6339	No change
NM_001163575	Parp10	0	1	-0.0230808	5.35774	5.0173	No change
NM_001163587	Agxt2l1	0	1	0.698817	0.0262695	0.0541206	No change
NM_001163588	Prph	0	1	1.11385	0	0.0385558	No change
NM_001163590	Stx11	0	1	-0.886145	0.339063	0.158759	No change
NM_001163615	Krtap20-2	0	1	-0.886145	0.130511	0	No change
NM_001163616	1810011H11Rik	0	1	0.354863	0.473136	0.584855	No change
NM_001163617	Tars2	0	1	-0.185959	12.5046	10.4584	No change
NM_001163621	Apol6	0	1	0.320306	0.410562	0.493409	No change
NM_001163625	Suit6b1	0	1	-0.248715	0.87962	0.697	No change
NM_001163626	Noxa1	0	1	1.43578	0.127022	0.392539	No change
NM_001163634	Wnt7b	0	1	0.517752	1.27657	1.74649	No change
NM_001163643	Map3k12	0	1	0.111927	9.43023	9.70113	No change
NM_001163645	Osbpl3	0	1	0.0524543	0.483193	0.476559	No change
NM_001163664	Tnnt3	0	1	-0.886145	0.0645305	0	No change
NM_001163671	Mapk9	0	1	0.0174012	12.4276	11.9728	No change
NM_001163684	Nosip	0	1	-0.0458019	7.07422	6.52011	No change
NM_001163685	Psg18	0	1	0.113855	0	0	No change
NM_001163686	Dok5	0	1	0.751285	0.315353	0.527875	No change
NM_001163687	Naaa	0	1	0.211466	2.85343	3.14716	No change
NM_001163695	4932438H23Rik	0	1	0.175916	7.78181	8.36972	No change
NM_001163709	Bri3	0	1	-0.0999756	16.045	14.2395	No change
NM_001163713	Tufm	0	1	0.13484	10.6677	11.1504	No change
NM_001163718	0610007P22Rik	0	1	0.258245	7.84938	8.94324	No change
NM_001163730	Gm9125	0	1	0.113855	0	0	No change
NM_001163731	Gm10697	0	1	-0.886145	0.068126	0	No change
NM_001163732	Frmd3	0	1	0.113855	0	0	No change
NM_001163734	Rrp1b	0	1	0.324422	2.15609	2.57252	No change
NM_001163741	1110021J02Rik	0	1	0.182568	6.18585	6.68366	No change
NM_001163748	Pde9a	0	1	-0.564217	0.236706	0.139332	No change
NM_001163753	Rab37	0	1	-0.623111	0.243021	0.139076	No change
NM_001163754	Rab3gap2	0	1	0.192828	3.88956	4.23267	No change
NM_001163755	Skor1	0	1	-3.20807	0.173461	0	No change
NM_001163756	Ces2e	0	1	0.515953	0.937573	1.28773	No change
NM_001163759	Dhx57	0	1	0.0430817	7.72841	7.57927	No change
NM_001163762	6430548M08Rik	0	1	0.413415	3.04561	3.87068	No change
NM_001163763	Tcf19	0	1	0.206964	1.72955	1.90309	No change
NM_001163766	Wdr90	0	1	-0.16539	4.10026	3.47834	No change
NM_001163769	U2af1	0	1	-0.0173897	6.99235	6.56963	No change
NM_001163770	Dom3z	0	1	-0.258478	11.174	8.88085	No change
NM_001163772	Scpppg1	0	1	-2.47111	0.66628	0	No change
NM_001163776	Tmprss3	0	1	0.113855	0	0	No change
NM_001163791	Orc6	0	1	-0.208073	4.5273	3.72145	No change
NM_001163847	Tbc1d24	0	1	0.275136	1.66837	1.92297	No change
NM_001164034	Ntf3	0	1	-0.471108	0.0976092	0.0502738	No change
NM_001164058	Prl7a1	0	1	0.113855	0	0	No change

NM_001164071	Tank	0	1	-0.222327	5.54411	4.51718	No change
NM_001164074	Tgif1	0	1	0.21239	24.241	26.7395	No change
NM_001164096	Poir3e	0	1	0.224354	6.72446	7.47967	No change
NM_001164099	Add3	0	1	0.0468823	14.9408	14.6917	No change
NM_001164107	Ripk3	0	1	-0.613127	1.75446	1.07667	No change
NM_001164109	Nfatc1	0	1	0.138946	0.813593	0.853051	No change
NM_001164159	Ppp6r3	0	1	0.0970257	28.289	28.8025	No change
NM_001164173	Cpsf1	0	1	-8.02E-05	14.4941	13.7955	No change
NM_001164186	Barhl1	0	1	0.113855	0.061657	0.0635131	No change
NM_001164187	Nagk	0	1	-0.128603	9.49639	8.26058	No change
NM_001164190	Mtm1	0	1	-0.0858175	2.91719	2.61395	No change
NM_001164197	Mmp19	0	1	-0.383645	1.5109	1.09605	No change
NM_001164202	Gm8369	0	1	-2.05607	0.405781	0.0522496	No change
NM_001164210	1110032A04Rik	0	1	0.698817	0.0390437	0.0804381	No change
NM_001164222	Col4a3bp	0	1	-0.175652	8.54513	7.19947	No change
NM_001164237	Rnf41	0	1	-0.103162	12.0693	10.694	No change
NM_001164242	Prpsap2	0	1	0.232966	9.56261	10.7018	No change
NM_001164259	Fgfr11	0	1	-0.327983	4.73783	3.58503	No change
NM_001164268	Kalrn	0	1	0.158593	1.36568	1.45145	No change
NM_001164284	C87414	0	1	0.113855	0	0	No change
NM_001164311	Loxl4	0	1	-0.656663	0.730641	0.435737	No change
NM_001164312	Gm4847	0	1	1.11385	0.0231384	0.071505	No change
NM_001164327	Gm4902	0	1	0.170438	1.4382	1.54323	No change
NM_001164329	Gm6904	0	1	-0.0787903	0.543263	0.479672	No change
NM_001164336	March5	0	1	-0.32543	8.42035	6.38263	No change
NM_001164357	Slc25a25	0	1	-0.1807	10.709	8.99016	No change
NM_001164370	Mipol1	0	1	-0.516196	3.06764	2.02437	No change
NM_001164374	LOC100302688	0	1	0.113855	0	0	No change
NM_001164433	Mical1	0	1	0.716519	0.541871	0.858744	No change
NM_001164437	Tmem212	0	1	0.651512	2.91602	4.40558	No change
NM_001164441	Ankrd33b	0	1	-0.55357	0.241699	0.153215	No change
NM_001164466	Dpys	0	1	-1.10854	0.198179	0.0680483	No change
NM_001164480	Sipa1	0	1	-0.360076	0.944924	0.695264	No change
NM_001164493	Klhl29	0	1	-0.423802	0.435272	0.30571	No change
NM_001164504	Rnf165	0	1	0.435783	0.0286409	0.0393375	No change
NM_001164524	Serpinb9c	0	1	-2.47111	0.182061	0	No change
NM_001164525	Tstd1	0	1	0.741886	2.65617	4.29964	No change
NM_001164526	Mup11	0	1	-1.47111	0.152668	0	No change
NM_001164531	Zfyve27	0	1	0.107703	5.97004	6.12354	No change
NM_001164557	Pdzk1ip1	0	1	0.210977	22.0993	24.3542	No change
NM_001164562	Sec22c	0	1	0.19711	1.23176	1.34497	No change
NM_001164566	Spats2l	0	1	0.679452	0.446869	0.690482	No change
NM_001164572	Snrk	0	1	-0.0147873	6.11903	5.76424	No change
NM_001164583	Dnajc6	0	1	-0.14918	0.388075	0.330834	No change
NM_001164600	Puf60	0	1	-0.111381	54.6745	48.174	No change
NM_001164607	Maf1	0	1	-0.0278063	11.0377	10.3028	No change
NM_001164621	Rnf14	0	1	0.11222	18.3326	18.8631	No change
NM_001164624	Zfp809	0	1	0.214315	8.99965	9.94236	No change
NM_001164625	2210021J22Rik	0	1	0.0165576	12.066	11.6142	No change
NM_001164627	Arhgap8	0	1	0.421036	2.64715	3.38504	No change
NM_001164630	Mum11	0	1	0.026526	20.3625	19.7425	No change
NM_001164634	Slc22a8	0	1	-0.886145	0.020504	0	No change
NM_001164636	A730011L01Rik	0	1	0.278914	3.58553	4.14287	No change
NM_001164640	Apol7a	0	1	-2.20807	0.121628	0	No change
NM_001164655	9530053A07Rik	0	1	0.654423	0.0879739	0.135933	No change
NM_001164684	Tmem29	0	1	0.809	0.994193	1.6898	No change
NM_001164696	Klk6	0	1	0.113855	0	0	No change
NM_001164708	Hspb2	0	1	0.791927	0.499591	0.900604	No change
NM_001164717	Sh3pxd2a	0	1	0.218349	1.4234	1.57691	No change
NM_001164725	Fcrl6	0	1	0.113855	0	0	No change
NM_001164735	Crlf2	0	1	-0.0201625	6.30311	5.9122	No change
NM_001164743	Slc17a3	0	1	0.113855	0	0	No change
NM_001164767	Robo3	0	1	-1.88615	0.0442401	0	No change
NM_001164787	Sprr2a2	0	1	0.113855	0.0392968	0.0404798	No change
NM_001164789	Eomes	0	1	-3.05607	0.152418	0	No change
NM_001164790	Scg3	0	1	-0.886145	0.0953827	0.0327514	No change
NM_001164792	Tpbp	0	1	1.20132	0.139028	0.327346	No change
NM_001164797	Heph11	0	1	-0.886145	0.0927296	0.0409376	No change
NM_001164801	Slc38a10	0	1	0.124641	18.9942	19.7131	No change
NM_001164804	Coro2a	0	1	0.0273612	28.329	27.4826	No change
NM_001164806	Bend4	0	1	0.052267	5.87581	5.79937	No change
NM_001164813	Pet117	0	1	1.33625	0.432875	1.33772	No change
NM_001164818	0610011L14Rik	0	1	-0.182803	7.39638	6.19922	No change
NM_001164823	Tmem42	0	1	0.367611	3.73889	4.62174	No change
NM_001164827	Zfyve19	0	1	-0.264657	6.45803	5.10813	No change
NM_001164833	P2rx2	0	1	0.0515126	29.7986	29.3957	No change

NM_001164885	Lpin2	0	1	0.0948021	8.28095	8.41816	No change
NM_001165939	Tshb	0	1	-2.47111	0.576928	0	No change
NM_001165941	Nsun6	0	1	-0.107469	5.13189	4.53119	No change
NM_001165944	Olfr819	0	1	0.113855	0	0	No change
NM_001165948	Pogz	0	1	0.223586	3.00266	3.33824	No change
NM_001165950	Gm10267	0	1	1.11385	0	0.27826	No change
NM_001165951	Vangl1	0	1	0.392156	2.00788	2.51313	No change
NM_001165957	Txndc6	0	1	0.85082	0.175992	0.362581	No change
NM_001165965	Fndc7	0	1	-0.287508	0.988654	0.767502	No change
NM_001165968	Pglyrp4	0	1	0.413415	0.375198	0.483116	No change
NM_001165981	Dcaf17	0	1	-0.075623	2.29678	2.07018	No change
NM_001165991	Arfrp1	0	1	0.12491	6.95319	7.21781	No change
NM_001165997	Spopl	0	1	0.18334	7.38872	7.98794	No change
NM_001165999	Lingo2	0	1	-0.886145	0.0150168	0	No change
NM_001166009	Tmem215	0	1	0.113855	0	0	No change
NM_001166027	Skint11	0	1	-1.88615	0.150092	0	No change
NM_001166028	Sfnf14-ps	0	1	-0.886145	0.0188156	0	No change
NM_001166030	Mylk4	0	1	-0.471108	0.0617736	0.0381799	No change
NM_001166062	Gm16381	0	1	-0.886145	0.14051	0	No change
NM_001166067	Slc4a5	0	1	0.647287	0.503247	0.756579	No change
NM_001166157	Krt81	0	1	-0.886145	0.11259	0.0386597	No change
NM_001166172	Lce6a	0	1	-3.20807	0.792966	0	No change
NM_001166173	Dmkn	0	1	-0.886145	0.303013	0.138727	No change
NM_001166177	Arsg	0	1	0.141336	2.29312	2.40847	No change
NM_001166206	Erv3	0	1	0.599282	0.0825257	0.127515	No change
NM_001166213	Fam129c	0	1	-1.47111	0.814301	0.260322	No change
NM_001166273	Cspg5	0	1	-0.175652	0.180039	0.148367	No change
NM_001166350	Serpina11	0	1	0.113855	0	0	No change
NM_001166361	Fgf8	0	1	0.113855	0	0	No change
NM_001166365	Fam122b	0	1	0.60366	0.740216	1.07744	No change
NM_001166370	Trmt112	0	1	0.0526172	25.9323	25.5999	No change
NM_001166372	March1	0	1	0.0806879	0.709637	0.714	No change
NM_001166376	Ms4a6c	0	1	0.561314	1.00134	1.44407	No change
NM_001166381	Rad52	0	1	0.205777	3.07831	3.38238	No change
NM_001166413	Arhgef25	0	1	-0.0550742	5.70474	5.22354	No change
NM_001166437	Tbc1d25	0	1	-0.38091	3.51177	2.55871	No change
NM_001166450	Slc25a14	0	1	0.556373	1.74462	2.45924	No change
NM_001166456	Slc38a1	0	1	0.158709	0.928054	0.986503	No change
NM_001166459	Brcc3	0	1	0.454892	2.69463	3.53277	No change
NM_001166482	Mthfsd	0	1	0.113855	11.9563	12.3162	No change
NM_001166547	Eif4eni1f1	0	1	-0.0279192	7.6721	7.16153	No change
NM_001166556	Abca6	0	1	0.654423	0.960966	1.46127	No change
NM_001166580	8430408G22Rik	0	1	1.29828	0.530388	1.31125	No change
NM_001166625	Ccr9	0	1	0.92121	0.17455	0.326917	No change
NM_001166631	Havcr1	0	1	-0.886145	0.0351275	0	No change
NM_001166633	Gylt1b	0	1	0.304377	2.52445	2.97194	No change
NM_001166634	Gm4302	0	1	0.92121	0.225543	0.464666	No change
NM_001166636	Gm4312	0	1	1.28378	0.228751	0.628367	No change
NM_001166637	Gm4301	0	1	1.28378	0.228751	0.628367	No change
NM_001166638	Gm4303	0	1	0.92121	0.229757	0.473347	No change
NM_001166639	Gm4305	0	1	0.92121	0.229757	0.473347	No change
NM_001166641	Gm4307	0	1	0.92121	0.229757	0.473347	No change
NM_001166644	Zfp651	0	1	0.365918	1.19574	1.46904	No change
NM_001166645	Zfp882	0	1	0.161473	1.82526	1.94373	No change
NM_001166648	Zfp280c	0	1	0.0907712	4.34823	4.40775	No change
NM_001166651	Klhl33	0	1	1.69882	0	0.0896267	No change
NM_001166658	Cdr1	0	1	-0.886145	0.030131	0	No change
NM_001166661	Ccdc85a	0	1	0.354863	0.131397	0.162423	No change
NM_001166672	Gm14548	0	1	-1.20807	0.785273	0.303342	No change
NM_001166706	Vmn1r55	0	1	0.113855	0	0	No change
NM_001166707	Vmn1r123	0	1	0.113855	0	0	No change
NM_001166708	Vmn1r119	0	1	0.113855	0	0	No change
NM_001166709	Vmn1r207-ps	0	1	0.113855	0	0	No change
NM_001166710	Vmn1r7	0	1	-0.886145	0.0744583	0	No change
NM_001166711	Gm5725	0	1	0.113855	0	0	No change
NM_001166712	Vmn1r151	0	1	-0.886145	0.0759182	0	No change
NM_001166713	Gm5728	0	1	-0.886145	0.0759182	0	No change
NM_001166714	Vmn1r122	0	1	-0.886145	0.0759182	0	No change
NM_001166715	Vmn1r120	0	1	-0.886145	0.0759182	0	No change
NM_001166716	Vmn1r113	0	1	0.113855	0	0	No change
NM_001166718	Vmn1r173	0	1	-0.886145	0.073984	0	No change
NM_001166719	Vmn1r34	0	1	-0.886145	0.0749386	0	No change
NM_001166720	Vmn1r39	0	1	0.113855	0	0	No change
NM_001166721	Vmn1r176	0	1	0.113855	0	0	No change
NM_001166722	Vmn1r170	0	1	0.113855	0	0	No change
NM_001166723	Vmn1r94	0	1	-0.886145	0.0759182	0	No change

NM_001166724	Vmn1r160	0	1	0.113855	0	0	No change
NM_001166725	Vmn1r129	0	1	0.113855	0	0	No change
NM_001166726	Vmn1r127	0	1	-1.47111	0.151836	0	No change
NM_001166727	Vmn1r175	0	1	0.113855	0	0	No change
NM_001166728	Vmn1r1	0	1	0.113855	0	0	No change
NM_001166731	Vmn1r77	0	1	0.113855	0	0	No change
NM_001166732	Vmn1r60	0	1	-0.886145	0.0771793	0	No change
NM_001166733	Vmn1r61	0	1	0.113855	0	0	No change
NM_001166734	Vmn1r57	0	1	0.113855	0	0	No change
NM_001166735	Vmn1r224	0	1	-2.6935	0.466174	0	No change
NM_001166736	Vmn1r91	0	1	2.11385	0	0.233088	No change
NM_001166737	Vmn1r103	0	1	-0.886145	0.0759182	0	No change
NM_001166738	Vmn1r104	0	1	0.113855	0	0	No change
NM_001166739	Vmn1r128	0	1	0.113855	0	0	No change
NM_001166740	Vmn1r125	0	1	-0.886145	0.0754253	0	No change
NM_001166741	Vmn1r121	0	1	0.113855	0	0	No change
NM_001166742	Vmn1r118	0	1	0.113855	0	0	No change
NM_001166743	Vmn1r117	0	1	-0.886145	0.0754253	0	No change
NM_001166744	Vmn1r116	0	1	-0.886145	0.0754253	0	No change
NM_001166745	Vmn1r115	0	1	-1.47111	0.156966	0	No change
NM_001166746	Vmn1r111	0	1	0.113855	0	0	No change
NM_001166747	Vmn1r135	0	1	0.113855	0	0	No change
NM_001166748	Vmn1r139	0	1	0.113855	0	0	No change
NM_001166749	Vmn1r142	0	1	-0.886145	0.0759182	0	No change
NM_001166750	Vmn1r143	0	1	-0.886145	0.0754253	0	No change
NM_001166751	Gm8660	0	1	-0.886145	0.0759182	0	No change
NM_001166752	Vmn1r152	0	1	0.113855	0	0	No change
NM_001166753	Vmn1r155	0	1	-0.886145	0.0754253	0	No change
NM_001166754	Vmn1r157	0	1	0.113855	0	0	No change
NM_001166755	Vmn1r163	0	1	0.113855	0	0	No change
NM_001166756	Gm8720	0	1	0.113855	0	0	No change
NM_001166757	Vmn1r124	0	1	1.11385	0	0.0776959	No change
NM_001166758	Vmn1r159	0	1	-0.886145	0.0759182	0	No change
NM_001166759	Vmn1r107	0	1	-0.886145	0.0754253	0	No change
NM_001166835	Vmn1r79	0	1	-0.886145	0.0756709	0	No change
NM_001166836	Vmn1r101	0	1	0.113855	0	0	No change
NM_001166837	Vmn1r114	0	1	-0.886145	0.0721459	0	No change
NM_001166838	Vmn1r126	0	1	0.113855	0	0	No change
NM_001166839	Gm4172	0	1	0.113855	0	0	No change
NM_001166840	Vmn1r149	0	1	0.113855	0	0	No change
NM_001166841	Vmn1r158	0	1	0.113855	0	0	No change
NM_001166842	Vmn1r168	0	1	0.113855	0	0	No change
NM_001166843	Vmn1r169	0	1	0.113855	0	0	No change
NM_001166844	Vmn1r100	0	1	0.113855	0	0	No change
NM_001166845	Vmn1r109	0	1	0.113855	0	0	No change
NM_001166846	Vmn1r110	0	1	-0.886145	0.0754253	0	No change
NM_001166847	Vmn1r112	0	1	0.113855	0	0	No change
NM_001166848	Vmn1r130	0	1	-0.886145	0.0754253	0	No change
NM_001166849	Vmn1r137	0	1	-0.886145	0.0754253	0	No change
NM_001166850	Vmn1r165	0	1	-0.886145	0.0754253	0	No change
NM_001167146	Gm5726	0	1	0.113855	0	0	No change
NM_001167147	Gm8677	0	1	0.113855	0	0	No change
NM_001167148	Gm16442	0	1	0.113855	0	0	No change
NM_001167149	Gm16451	0	1	0.113855	0	0	No change
NM_001167150	Gm8453	0	1	0.113855	0	0	No change
NM_001167151	Gm4498	0	1	0.113855	0	0	No change
NM_001167153	Gm6164	0	1	-0.886145	0.0754253	0	No change
NM_001167154	Gm8693	0	1	0.113855	0	0	No change
NM_001167155	Gm4144	0	1	0.113855	0	0	No change
NM_001167158	Gm4133	0	1	0.113855	0	0	No change
NM_001167159	Gm4187	0	1	0.113855	0	0	No change
NM_001167160	Gm10665	0	1	0.113855	0	0	No change
NM_001167161	Gm10670	0	1	0.113855	0	0	No change
NM_001167162	Gm4201	0	1	0.113855	0	0	No change
NM_001167163	Gm4141	0	1	0.113855	0	0	No change
NM_001167164	Gm4214	0	1	0.113855	0	0	No change
NM_001167165	Gm4175	0	1	0.113855	0	0	No change
NM_001167166	Gm4216	0	1	-0.886145	0.0759182	0	No change
NM_001167167	Gm4177	0	1	-0.886145	0.0759182	0	No change
NM_001167168	Gm4220	0	1	0.113855	0	0	No change
NM_001167169	Gm4179	0	1	0.113855	0	0	No change
NM_001167534	Vmn1r2	0	1	-0.886145	0.0756709	0	No change
NM_001167535	Vmn1r3	0	1	-1.47111	0.151342	0	No change
NM_001167536	Vmn1r86	0	1	0.113855	0	0	No change
NM_001167537	Vmn1r88	0	1	0.113855	0	0	No change
NM_001167538	Vmn1r95	0	1	-0.886145	0.0754253	0	No change

NM_001167539	Vmn1r238	0	1	-0.886145	0.0756709	0	No change
NM_001167540	Vmn1r184	0	1	0.113855	0	0	No change
NM_001167541	Vmn1r196	0	1	1.11385	0	0.0792395	No change
NM_001167542	Vmn1r221	0	1	-1.88615	0.222661	0	No change
NM_001167567	Vmn1r186	0	1	-0.886145	0.0771793	0	No change
NM_001167568	Vmn1r187	0	1	0.113855	0	0	No change
NM_001167573	Gm10666	0	1	-0.886145	0.0721459	0	No change
NM_001167584	Pate-g	0	1	0.113855	0	0	No change
NM_001167586	Gm7257	0	1	1.11385	0	0.138326	No change
NM_001167603	Gm6762	0	1	0.113855	0.542357	0.558685	No change
NM_001167691	Sirt4	0	1	0.037906	6.56681	6.41536	No change
NM_001167743	Sifn8	0	1	0.162764	1.28852	1.37388	No change
NM_001167745	Wasl	0	1	0.556373	2.03093	2.86283	No change
NM_001167748	Egfem1	0	1	-0.734142	0.221335	0.113999	No change
NM_001167751	Ccdc132	0	1	0.082146	3.44884	3.47501	No change
NM_001167777	Asxl3	0	1	-1.40971	0.13108	0.0429629	No change
NM_001167790	Defa17	0	1	-0.208073	0.678277	0.524022	No change
NM_001167828	Trim30d	0	1	0.221658	2.44276	2.71322	No change
NM_001167875	Cyp2c50	0	1	0.113855	0	0	No change
NM_001167876	Skint5	0	1	0.113855	0	0	No change
NM_001167879	Fam59b	0	1	-1.62311	0.163684	0.0374692	No change
NM_001167891	Nrg2	0	1	0.113855	0.49253	0.507357	No change
NM_001167920	Slc8a3	0	1	0.528892	0.0281986	0.0435713	No change
NM_001167923	Col6a5	0	1	-0.14239	3.17059	2.73328	No change
NM_001167936	Zyg11a	0	1	0.0445921	1.91815	1.88181	No change
NM_001167939	Mau2	0	1	-0.0266491	18.745	17.5162	No change
NM_001167967	Ankrd10	0	1	0.181362	8.97091	9.68498	No change
NM_001167983	Sipa1l1	0	1	0.00870473	6.81631	6.5273	No change
NM_001168223	Clec2g	0	1	1.69882	0	0.0626448	No change
NM_001168276	Zfp647	0	1	0.528892	0.424587	0.593572	No change
NM_001168281	Wwtr1	0	1	0.00740387	7.11701	6.80869	No change
NM_001168289	Pdss2	0	1	-0.282074	2.16	1.68012	No change
NM_001168346	Nfatc4	0	1	0.622868	0.433522	0.643064	No change
NM_001168354	Kcnj1	0	1	-1.88615	0.0680595	0	No change
NM_001168356	Bnpl	0	1	0.595388	2.3231	3.35945	No change
NM_001168358	Tyw3	0	1	0.113855	1.14251	1.1769	No change
NM_001168470	Tmem93	0	1	0.11864	14.9129	15.413	No change
NM_001168488	Men1	0	1	0.0997796	5.35898	5.46645	No change
NM_001168491	Pdcd4	0	1	0.00160036	21.1472	20.1508	No change
NM_001168503	Olf78	0	1	0.113855	0.106118	0.109312	No change
NM_001168509	Ffar2	0	1	0.274319	1.16804	1.34904	No change
NM_001168521	Sarm1	0	1	-1.37157	0.36439	0.12512	No change
NM_001168536	Cdadcl	0	1	0.284619	6.94371	8.05625	No change
NM_001168561	Zfp446	0	1	-0.301183	2.09172	1.61202	No change
NM_001168564	Kcns3	0	1	0.0129259	1.77268	1.70097	No change
NM_001168590	2010106E10Rik	0	1	0.113855	0	0	No change
NM_001168615	Tifab	0	1	-0.422198	0.557862	0.389945	No change
NM_001168624	C2cd4c	0	1	-2.47111	0.0526302	0	No change
NM_001168660	Apo19b	0	1	0.910321	0.811431	1.48597	No change
NM_001168684	Tmcc3	0	1	0.218882	5.57441	6.17684	No change
NM_001168693	Endou	0	1	1.17275	0.318762	0.716417	No change
NM_001169114	B3gnt2	0	1	0.193708	3.30067	3.59512	No change
NM_001169153	Cd300lf	0	1	-0.208073	0.14789	0.114256	No change
NM_001170332	Clec4a2	0	1	-0.471108	0.580533	0.388706	No change
NM_001170395	Cd163	0	1	0.0289659	0.527507	0.511423	No change
NM_001170479	Loh12cr1	0	1	0.457339	3.96032	5.18811	No change
NM_001170489	Aplf	0	1	0.135071	2.93306	3.06645	No change
NM_001170537	Mef2c	0	1	0.297301	1.26872	1.48564	No change
NM_001170552	Krit1	0	1	-0.199434	3.83461	3.1767	No change
NM_001170591	Nfu1	0	1	-0.198089	5.18136	4.28491	No change
NM_001170632	Fcamr	0	1	1.11385	0.0729387	0.187836	No change
NM_001170638	Slc17a1	0	1	0.113855	0	0	No change
NM_001170669	Pde8b	0	1	0.176251	2.7159	2.922	No change
NM_001170694	Rcbtb2	0	1	0.0410219	6.65307	6.51491	No change
NM_001170705	Dthd1	0	1	1.11385	0	0.0294587	No change
NM_001170742	Wdr59	0	1	0.163854	5.39981	5.75901	No change
NM_001170744	Ctbp2	0	1	0.0805444	11.6991	11.7758	No change
NM_001170745	Magi2	0	1	-0.0877791	1.46216	1.30829	No change
NM_001170847	Rbm20	0	1	0.0410985	0.634341	0.620765	No change
NM_001170848	Luc712	0	1	0.0188282	19.4612	18.7675	No change
NM_001170851	Klra2	0	1	-0.134073	0.66515	0.570978	No change
NM_001170853	Mndal	0	1	-0.0445746	4.52931	4.17652	No change
NM_001170858	BC068281	0	1	0.419958	1.70909	2.18438	No change
NM_001170869	Wibg	0	1	0.34832	8.60013	10.434	No change
NM_001170935	BC005764	0	1	0.31953	2.74136	3.2601	No change
NM_001170955	Gm15299	0	1	0.113855	0	0	No change

NM_001170959	Pde6c	0	1	1.69882	0	0.0497167	No change
NM_001170985	Kirrel	0	1	0.0123168	0.975529	0.935933	No change
NM_001171003	Mgam	0	1	-0.985681	0.150386	0.0663912	No change
NM_001171010	Slc14a1	0	1	-0.127153	0.216102	0.185506	No change
NM_001172055	Bdh2	0	1	-0.0560702	0.476126	0.429152	No change
NM_001172072	Vmn1r68	0	1	0.113855	0	0	No change
NM_001172074	3110009E18Rik	0	1	-0.65168	1.10734	0.641627	No change
NM_001172092	Depdc1a	0	1	-1.34558	0.209729	0.0648128	No change
NM_001172117	Hck	0	1	0.45089	0.599652	0.789289	No change
NM_001172146	Aimp2	0	1	0.152329	10.8215	11.4502	No change
NM_001172148	Rbm41	0	1	0.664052	0.844194	1.28831	No change
NM_001172160	Flrt3	0	1	0.0712943	2.62673	2.62669	No change
NM_001172205	Arid5a	0	1	0.0726321	0.856028	0.856604	No change
NM_001172207	Lrtm2	0	1	-1.88615	0.0613674	0	No change
NM_001172216	D330028D13Rik	0	1	-0.198089	2.45934	2.03384	No change
NM_001172472	Sphk1	0	1	0.113855	2.26131	2.32939	No change
NM_001172561	Sphk2	0	1	0.213836	8.62903	9.52813	No change
NM_001172588	Mrgpra2a	0	1	-2.05607	0.449995	0.0579427	No change
NM_001172686	Olfir376	0	1	0.113855	0	0	No change
NM_001173372	Fxyd4	0	1	0.376889	0.505938	0.651461	No change
NM_001173483	Rlbp1	0	1	-2.20807	0.131434	0	No change
NM_001173500	G630090E17Rik	0	1	0.113855	0.430203	0.443154	No change
NM_001173505	Thpo	0	1	0.113855	0.154052	0.158689	No change
NM_001173550	C5ar1	0	1	0.113855	0.356696	0.367434	No change
NM_001174047	Cacna2d2	0	1	-1.07879	0.188733	0.077766	No change
NM_001174086	Shisa9	0	1	-0.0532552	0.915483	0.915483	No change
NM_001174099	Krt36	0	1	0.113855	0.0418576	0.0431177	No change
NM_001174107	Map3k9	0	1	0.1028	0.853195	0.872119	No change
NM_001174170	Serpib2	0	1	-2.47111	0.176706	0	No change
NM_001176528	Rara	0	1	-0.0761161	3.35421	3.02611	No change
NM_001177319	Tfpi	0	1	0.3065	1.91097	2.2531	No change
NM_001177348	Gm3646	0	1	0.113855	0	0	No change
NM_001177349	Pydc4	0	1	0.64437	0.208039	0.321452	No change
NM_001177351	AW112010	0	1	-0.0925961	6.65455	5.92854	No change
NM_001177352	Myc	0	1	0.735343	0.34861	0.568582	No change
NM_001177356	Gm3852	0	1	-1.47111	0.194402	0	No change
NM_001177366	Fut7	0	1	-0.301183	0.118593	0.0814418	No change
NM_001177373	Klk11	0	1	-1.47111	0.107385	0	No change
NM_001177390	Gm6985	0	1	0.113855	0	0	No change
NM_001177394	Gm13476	0	1	-0.0466099	0.963497	0.882224	No change
NM_001177401	Spint3	0	1	0.316672	19.8763	23.5848	No change
NM_001177412	Usp35	0	1	0.336247	0.927606	1.11779	No change
NM_001177418	Gm13698	0	1	0.310892	4.29527	5.07525	No change
NM_001177419	Fbxw28	0	1	0.113855	0	0	No change
NM_001177422	Gm13693	0	1	0.310892	4.29527	5.07525	No change
NM_001177424	Gm13696	0	1	0.310892	4.29527	5.07525	No change
NM_001177427	Eid2b	0	1	-0.0586124	2.01258	1.83624	No change
NM_001177429	Gm13694	0	1	0.310892	4.29527	5.07525	No change
NM_001177430	Gm13697	0	1	0.310892	4.29527	5.07525	No change
NM_001177432	Gm13691	0	1	0.310892	4.29527	5.07525	No change
NM_001177434	Gm13695	0	1	0.310892	4.29527	5.07525	No change
NM_001177439	Gm1332	0	1	0.113855	0	0	No change
NM_001177464	Zfp516	0	1	0.00389973	7.26515	6.93398	No change
NM_001177468	Gm7325	0	1	-1.47111	0.172507	0	No change
NM_001177481	Gm10104	0	1	0.113855	0	0	No change
NM_001177482	Gm14851	0	1	-0.886145	0.153509	0	No change
NM_001177484	Gm11559	0	1	0.113855	0	0	No change
NM_001177485	Gm15284	0	1	-0.886145	0.1787	0	No change
NM_001177486	Gm15293	0	1	0.113855	0	0	No change
NM_001177487	Gm15292	0	1	0.113855	0	0	No change
NM_001177505	Zfp167	0	1	0.0119752	12.3558	11.8578	No change
NM_001177508	Olfir743	0	1	0.113855	0	0	No change
NM_001177511	Npffr1	0	1	-0.471108	0.106646	0.0549281	No change
NM_001177518	Gm7849	0	1	0.113855	0	0	No change
NM_001177521	Gm15308	0	1	0.113855	0	0	No change
NM_001177522	Gm14850	0	1	0.113855	0	0	No change
NM_001177523	Gm6696	0	1	-0.886145	0.244537	0	No change
NM_001177525	EU599041	0	1	-1.88615	0.53685	0.100548	No change
NM_001177526	Gm7861	0	1	0.113855	0	0	No change
NM_001177528	Gm15315	0	1	0.113855	0	0	No change
NM_001177529	Gm5494	0	1	-0.886145	0.105595	0	No change
NM_001177533	Apol11a	0	1	-2.20807	0.246265	0	No change
NM_001177535	Gm4340	0	1	1.11385	0	0.0570675	No change
NM_001177536	Prdm11	0	1	-0.788848	1.5653	0.8446	No change
NM_001177537	Gm11562	0	1	-1.47111	0.28102	0	No change
NM_001177538	Gm10394	0	1	0.85082	0.0597197	0.123035	No change

NM_001177539	Gm10391	0	1	0.85082	0.0597197	0.123035	No change
NM_001177542	C87977	0	1	0.113855	0	0	No change
NM_001177550	Zfp442	0	1	0.387778	2.7464	3.42603	No change
NM_001177551	Trim61	0	1	0.113855	0	0	No change
NM_001177561	Slc10a1	0	1	0.290733	0.915917	1.07215	No change
NM_001177565	Gm8300	0	1	0.94393	0.297833	0.575248	No change
NM_001177566	Mrgpra9	0	1	0.528892	0.132875	0.205313	No change
NM_001177569	Gm6026	0	1	-2.20807	0.829678	0	No change
NM_001177570	Zfp616	0	1	0.113855	0	0	No change
NM_001177571	Ccdc162	0	1	0.413415	0.633803	0.809574	No change
NM_001177574	Gm2022	0	1	-2.05607	0.306006	0.0394023	No change
NM_001177577	Gm1045	0	1	-1.47111	0.183644	0	No change
NM_001177578	Gm13871	0	1	-0.886145	0.0525984	0	No change
NM_001177581	7420461P10Rik	0	1	-2.47111	0.470263	0	No change
NM_001177582	Esp23	0	1	-1.88615	0.323651	0	No change
NM_001177583	Esp4	0	1	0.113855	0	0	No change
NM_001177584	Esp8	0	1	0.113855	0	0	No change
NM_001177585	Esp34	0	1	0.113855	0	0	No change
NM_001177586	Esp31	0	1	0.113855	0	0	No change
NM_001177587	Esp36	0	1	0.113855	0	0	No change
NM_001177588	Gm8882	0	1	0.113855	0	0	No change
NM_001177589	Gm3985	0	1	0.113855	0	0	No change
NM_001177594	Slc24a6	0	1	0.466157	1.13563	1.50041	No change
NM_001177600	Adam23	0	1	0.476425	0.145295	0.199558	No change
NM_001177609	Ube2i	0	1	0.102211	26.8448	27.4305	No change
NM_001177615	Arpp21	0	1	-0.886145	0.020384	0	No change
NM_001177621	Slc5a6	0	1	0.372388	2.15001	2.65351	No change
NM_001177627	Slc2a6	0	1	0.801911	0.600801	1.01934	No change
NM_001177652	Gm5886	0	1	0.113855	0	0	No change
NM_001177656	Grin1	0	1	-1.62311	0.161617	0.0369961	No change
NM_001177658	Mrpl15	0	1	-0.168545	5.95283	5.03886	No change
NM_001177673	Gpr68	0	1	-0.581291	0.787626	0.491719	No change
NM_001177750	Gm10767	0	1	0.22077	3.79683	4.21533	No change
NM_001177775	H60b	0	1	-0.471108	0.806122	0.52843	No change
NM_001177783	Rfpl4b	0	1	0.113855	0	0	No change
NM_001177795	Rgs20	0	1	-0.471108	0.0655934	0.033784	No change
NM_001177810	Rapgef3	0	1	-0.0116761	3.26145	3.0781	No change
NM_001177838	Smox	0	1	0.262998	5.57098	6.36994	No change
NM_001177843	Frm4a	0	1	0.367956	1.38149	1.69919	No change
NM_001177857	Olf1053	0	1	0.113855	0	0	No change
NM_001177874	Gps1	0	1	-0.086643	40.3919	36.2043	No change
NM_001177878	Phka2	0	1	0.137314	1.9426	2.03416	No change
NM_001177883	Elavl2	0	1	-0.409707	0.759366	0.538867	No change
NM_001177896	9830107B12Rik	0	1	0.113855	0	0	No change
NM_001177901	Zfp513	0	1	-0.206324	6.45014	5.31545	No change
NM_001177937	Eda	0	1	0.300268	0.394302	0.464197	No change
NM_001177955	Gpm6b	0	1	0.0138076	8.27179	7.94851	No change
NM_001177977	Acsm2	0	1	0.113855	0	0	No change
NM_001178038	Fmo6	0	1	0.113855	0	0	No change
NM_001184964	Rhox3b	0	1	-2.20807	0.430203	0	No change
NM_001184969	Rhox3e	0	1	-2.20807	0.430203	0	No change
NM_001184980	Sult2a5	0	1	1.69882	0.066628	0.343169	No change
NM_001184981	Sult2a7	0	1	-1.88615	0.233087	0	No change
NM_001185040	Gm5885	0	1	0.113855	0	0	No change
NM_001185083	Ins2	0	1	-1.47111	0.30906	0	No change
NM_001185164	Vegfb	0	1	0.476425	2.41948	3.22178	No change
NM_001185173	Zscan4b	0	1	-1.88615	0.119201	0	No change
NM_001185182	H2-Ke2	0	1	-0.16413	39.2446	33.3166	No change
NM_001190161	Psyc1	0	1	0.113855	0.320059	0.329694	No change
NM_001190187	Nrg3	0	1	-3.05607	0.139073	0	No change
NM_001190310	Clec4b1	0	1	0.113855	0.266682	0.27471	No change
NM_001190320	Clec4n	0	1	-0.0116761	0.663742	0.621567	No change
NM_001190325	Igll1	0	1	0.698817	0.0801068	0.165037	No change
NM_001190330	Ces2a	0	1	-0.208073	0.149475	0.115481	No change
NM_001190356	Gm4832	0	1	0.113855	0	0	No change
NM_001190374	Adamts13	0	1	0.319324	0.927964	1.10372	No change
NM_001190376	Camta2	0	1	0.335027	2.52772	3.03779	No change
NM_001190381	Olf1596	0	1	0.113855	0	0	No change
NM_001190385	Caly	0	1	-2.05607	0.442495	0.056977	No change
NM_001190401	Usp34	0	1	-0.036739	16.9892	15.7653	No change
NM_001190437	Abhd11	0	1	0.041705	16.8059	16.4639	No change
NM_001190473	Dapk3	0	1	0.156083	4.15829	4.41198	No change
NM_001190490	Dmpk	0	1	-0.00588443	2.91037	2.75707	No change
NM_001190703	Dlk1	0	1	1.33625	0.0343823	0.106252	No change
NM_001190718	Dcaf12l1	0	1	-0.256983	1.47435	1.16984	No change
NM_001190732	Mtrnr2l	0	1	0.113855	0	0	No change

NM_001190795	Ddx55	0	1	-0.0950921	2.20057	1.9577	No change
NM_001190846	Kat2b	0	1	0.0493333	8.53314	8.4048	No change
NM_001190885	Kcnip1	0	1	0.0467406	1.30922	1.2859	No change
NM_001191001	Lins	0	1	0.167543	2.79945	2.99358	No change
NM_001191004	Lsm6	0	1	0.25885	4.14381	4.72185	No change
NM_001191008	Sstr5	0	1	-0.886145	0.0270023	0	No change
NM_001191018	Krtap22-2	0	1	0.113855	0	0	No change
NM_001193305	Mical2	0	1	0.0891928	2.21578	2.24347	No change
NM_001193666	Gm13304	0	1	0.279278	8.52071	9.85366	No change
NM_001193668	Gm10591	0	1	0.279278	8.52071	9.85366	No change
NM_001194921	Cldn18	0	1	-0.886145	0.0251327	0	No change
NM_001194940	Dlc1	0	1	0.271136	1.84527	2.12092	No change
NM_001195025	Nuak2	0	1	0.00850181	1.55763	1.48991	No change
NM_001195031	Pag1	0	1	-0.339051	1.62136	1.21783	No change
NM_001195033	Abhd12b	0	1	0.113855	0	0	No change
NM_001195036	Ect2l	0	1	1.00694	0.144192	0.297066	No change
NM_001195083	Phc2	0	1	0.222004	9.10465	10.111	No change
NM_001195088	Tmc8	0	1	0.0358523	0.449632	0.437436	No change
NM_001195091	Gm6537	0	1	-0.623111	0.265497	0.136745	No change
NM_001195097	3425401B19Rik	0	1	0.113855	0.0125641	0.0129423	No change
NM_001195128	Gm5294	0	1	-0.886145	0.107055	0	No change
NM_001195244	2900053A13Rik	0	1	0.259194	12.6183	14.3823	No change
NM_001195253	Gm3336	0	1	0.791927	0.544476	0.934778	No change
NM_001195258	Gm14378	0	1	-0.137684	1.55594	1.33565	No change
NM_001195383	2300003K06Rik	0	1	0.113855	0	0	No change
NM_001195435	1190003K10Rik	0	1	0.113855	0	0	No change
NM_001195437	Gm590	0	1	-0.886145	0.139665	0	No change
NM_001195485	Srsf7	0	1	-0.0177892	36.7883	34.5882	No change
NM_001195496	Dclk2	0	1	-0.514176	0.272504	0.175442	No change
NM_001195531	Gm5741	0	1	-0.886145	0.637435	0.218875	No change
NM_001195544	Gm12	0	1	0.113855	0	0	No change
NM_001195596	2010003K15Rik	0	1	-0.886145	0.103402	0	No change
NM_001195681	Gm684	0	1	0.363214	2.86938	3.52418	No change
NM_001195687	Gm4975	0	1	0.113855	0	0	No change
NM_001195693	Plscr5	0	1	-1.88615	0.187179	0	No change
NM_001195717	Gm12034	0	1	0.339736	8.67423	10.4759	No change
NM_001195732	Fam150a	0	1	0.113855	0	0	No change
NM_001195760	S100a2	0	1	0.113855	0	0	No change
NM_001195816	Pld5	0	1	0.113855	0.0426648	0.0439492	No change
NM_001198560	H2-Q7	0	1	0.113855	9.77371	10.0679	No change
NM_001198635	Mtap7	0	1	0.0738016	15.0122	15.0402	No change
NM_001198785	Aatk	0	1	0.554427	0.167593	0.239038	No change
NM_001198835	Coch	0	1	-0.345577	0.897816	0.664731	No change
NM_001198839	Bcar1	0	1	0.126833	7.39845	7.69025	No change
NM_001198841	Csrp3	0	1	0.113855	0	0	No change
NM_001198866	Dctn1	0	1	-0.0287973	6.5202	6.08253	No change
NM_001198872	Dync1i2	0	1	0.0357541	21.3694	20.8513	No change
NM_001198914	Myb	0	1	0.0782309	0.738077	0.741289	No change
NM_001198955	Gm7694	0	1	0.421977	0.745476	0.955215	No change
NM_001198971	BC049352	0	1	-0.471108	0.0830172	0.0427582	No change
NM_001198984	Tcof1	0	1	0.0199369	3.56821	3.44299	No change
NM_001199003	Rgs7	0	1	0.791927	0.112092	0.202065	No change
NM_001199004	Golga5	0	1	0.0215476	20.637	19.9391	No change
NM_001199015	Slc7a9	0	1	0.971836	0.576292	1.10813	No change
NM_001199020	Angel2	0	1	0.0980009	12.3398	12.5721	No change
NM_001199048	Zfp942	0	1	-0.234068	9.81021	7.93537	No change
NM_001199062	Gm4461	0	1	0.113855	0	0	No change
NM_001199122	Ghitm	0	1	-0.0305907	64.4264	60.0407	No change
NM_001199137	Macf1	0	1	0.0564652	23.4965	23.2597	No change
NM_001199146	Gpsm1	0	1	-0.398958	2.53747	1.82519	No change
NM_001199186	Slc44a2	0	1	-0.104325	6.87454	6.08468	No change
NM_001199213	Serpnb12	0	1	-0.471108	0.0860938	0.0443428	No change
NM_001199217	Slc38a3	0	1	-0.227182	0.513707	0.411578	No change
NM_001199306	2810007J24Rik	0	1	-0.886145	0.0332346	0	No change
NM_001199321	Zfp94	0	1	-0.371572	2.35803	1.7273	No change
NM_001199333	LOC100048884	0	1	-1.47111	0.157143	0	No change
NM_001199334	Gm10229	0	1	0.113855	0	0	No change
NM_001199336	Gm5894	0	1	0.113855	0	0	No change
NM_001199351	Pnck	0	1	0.528892	1.11577	1.54722	No change
NM_001199484	4931406C07Rik	0	1	0.0711052	6.90355	6.90298	No change
NM_001199556	AW551984	0	1	1.69882	0	0.0333679	No change
NM_001199696	Bai2	0	1	1.28378	0.0413118	0.113481	No change
NM_001199840	Olf1354	0	1	0.113855	0	0	No change
NM_001199927	Fam198a	0	1	0.323308	0.774089	0.926003	No change
NM_001199940	Serpina3i	0	1	-0.333604	0.921612	0.687465	No change
NM_001199945	Serpine3	0	1	-0.886145	0.347968	0.153618	No change

NM_001199953	Pate	0	1	-0.154078	10.3912	8.85853	No change
NM_001199971	Tac2	0	1	0.765932	0.49022	0.841629	No change
NM_001199995	Mup12	0	1	-1.47111	0.158034	0	No change
NM_001199999	Mup14	0	1	-1.88615	0.225787	0	No change
NM_001200004	Mup15	0	1	1.11385	0	0.0807547	No change
NM_001200006	Mup17	0	1	-1.47111	0.15732	0	No change
NM_001200023	Zfp963	0	1	0.32798	1.4906	1.78616	No change
NM_001200027	Olf612	0	1	0.113855	0	0	No change
NM_001200041	Gm1078	0	1	-0.471108	0.0442214	0.0227763	No change
NM_001200055	AU018829	0	1	-2.6935	0.144143	0	No change
NM_001201323	5430421N21Rik	0	1	0.113855	0	0	No change
NM_001201332	2410004P03Rik	0	1	0.21339	0.503898	0.558995	No change
NM_001201367	Tmem200b	0	1	-0.638218	1.57699	0.943239	No change
NM_001201389	LOC100504710	0	1	-1.47111	0.101519	0	No change
NM_001201460	H2-Q9	0	1	0.0994995	9.20991	9.39277	No change
NM_001204129	C1qtnf1	0	1	0.429357	0.69804	0.898817	No change
NM_001204134	C1qtnf3	0	1	-0.433633	3.09564	2.17292	No change
NM_001204152	C1qtnf6	0	1	-0.829562	0.739448	0.380854	No change
NM_001204165	Rapgef4	0	1	-0.317861	0.944483	0.716886	No change
NM_001204201	Spp1	0	1	-0.725681	1.55923	0.876093	No change
NM_001204239	Clec1b	0	1	0.113855	0.064891	0.0668445	No change
NM_001204241	Clec4a3	0	1	0.698817	0.41768	0.676114	No change
NM_001204252	Clec10a	0	1	-0.77923	0.557172	0.286973	No change
NM_001204333	Cyp4f14	0	1	-0.0116761	0.376349	0.352435	No change
NM_001204340	Gucy1b2	0	1	-1.88615	0.0782481	0	No change
NM_001204371	Oprk1	0	1	0.113855	0	0	No change
NM_001204427	Sprr3	0	1	0.113855	0	0	No change
NM_001204820	Myadml2	0	1	-0.886145	0.0627864	0	No change
NM_001204910	Al607873	0	1	0.177985	0.860407	0.927532	No change
NM_001204913	LOC100504323	0	1	-0.886145	0.0449342	0	No change
NM_001204916	H60c	0	1	-0.886145	0.0649515	0	No change
NM_001204920	Gm5780	0	1	0.113855	1.54873	1.59535	No change
NM_001204921	Gm4799	0	1	0.210716	34.2268	37.7124	No change
NM_001204959	Retn	0	1	-3.20807	1.07773	0	No change
NM_001205009	Gm2696	0	1	-0.886145	0.0963941	0	No change
NM_001205011	LOC100504232	0	1	0.113855	0	0	No change
NM_001205025	Jagn1	0	1	0.176682	21.5823	23.2245	No change
NM_001205030	Gm11568	0	1	0.113855	0	0	No change
NM_001205032	LOC100502831	0	1	0.113855	0	0	No change
NM_001205033	LOC100502953	0	1	0.113855	0	0	No change
NM_001205034	LOC100503388	0	1	-0.886145	0.0932971	0	No change
NM_001205035	LOC100502921	0	1	1.11385	0	0.197771	No change
NM_001205036	LOC100504608	0	1	1.85082	0.199408	0.924347	No change
NM_001205037	Gm11544	0	1	0.113855	0	0	No change
NM_001205052	Jdp2	0	1	0.77682	0.489229	0.824657	No change
NM_001205068	Jmjd4	0	1	0.0751743	2.97171	2.97976	No change
NM_001205076	Jph2	0	1	-0.400718	0.82189	0.587459	No change
NM_001205082	Scarb1	0	1	0.00832615	32.603	31.2135	No change
NM_001205085	Tbx20	0	1	-0.886145	0.0488388	0	No change
NM_001205102	Lrit3	0	1	-1.47111	0.0828199	0	No change
NM_001205132	Yes1	0	1	0.158544	7.4635	7.9306	No change
NM_001205156	Yipf1	0	1	0.168303	11.6248	12.4376	No change
NM_001205173	Iffo2	0	1	0.454892	1.08514	1.41924	No change
NM_001205188	Ppp2r2a	0	1	-0.0396197	2.84892	2.63578	No change
NM_001205204	Astn1	0	1	-0.663753	0.106122	0.0596271	No change
NM_001205214	Rxb	0	1	0.326849	4.63208	5.53497	No change
NM_001205234	Nrxn2	0	1	-1.47111	0.0837152	0.0215589	No change
NM_001205239	Parp6	0	1	-0.145665	4.18568	3.59748	No change
NM_001205242	A430107P09Rik	0	1	0.113855	0	0	No change
NM_001205243	Fasl	0	1	0.113855	0.40605	0.418274	No change
NM_001205249	Gm9994	0	1	0.229332	0.646939	0.726997	No change
NM_001205253	Thsd1	0	1	-0.602352	0.731556	0.452147	No change
NM_001205282	Gm14496	0	1	0.113855	0	0	No change
NM_001205311	Slc12a3	0	1	-1.26466	0.253506	0.0870457	No change
NM_001205312	Tyk2	0	1	0.202769	5.83516	6.39386	No change
NM_001205313	Stat1	0	1	-0.10661	5.06241	4.47383	No change
NM_001205321	Scn10a	0	1	-3.05607	0.0868989	0	No change
NM_001205322	Prf3d1	0	1	0.113855	0	0	No change
NM_001205343	Papln	0	1	-0.505541	1.67263	1.11584	No change
NM_001205349	Lipk	0	1	-0.22318	0.715597	0.576892	No change
NM_001205363	Clec9a	0	1	-0.0305351	0.423151	0.3923	No change
NM_001205396	Gprc5d	0	1	-0.886145	0.0503198	0	No change
NM_001206661	Tmem200c	0	1	0.0524543	0.498891	0.491566	No change
NM_007378	Abca4	0	1	-0.886145	0.0673083	0.0297148	No change
NM_007385	Apoc4	0	1	0.632322	5.40721	8.04554	No change
NM_007390	Chrna7	0	1	-2.20807	0.29997	0.0343333	No change

NM_007397	Acvr2b	0	1	0.998378	0.491661	0.970719	No change
NM_007412	Gpr182	0	1	0.113855	0.205705	0.211898	No change
NM_007413	Adora2b	0	1	0.87939	0.34015	0.622915	No change
NM_007414	Adprh	0	1	-0.142615	13.4719	11.6099	No change
NM_007416	Adra1b	0	1	-0.208073	0.0914906	0.0706836	No change
NM_007417	Adra2a	0	1	0.113855	0.128348	0.132212	No change
NM_007420	Adrb2	0	1	0.389489	0.585109	0.736661	No change
NM_007421	Adssl1	0	1	0.365394	0.778257	0.962023	No change
NM_007423	Afp	0	1	0.113855	0	0	No change
NM_007424	Acan	0	1	-1.47111	0.104231	0.0292825	No change
NM_007425	Ager	0	1	0.34832	0.813932	0.995641	No change
NM_007426	Angpt2	0	1	-0.471108	2.16822	1.47933	No change
NM_007427	Agrp	0	1	-0.824745	2.31958	1.19471	No change
NM_007429	Agtr2	0	1	0.258245	0.437403	0.500634	No change
NM_007432	Akp3	0	1	-2.20807	0.165936	0	No change
NM_007439	Alk	0	1	-2.88615	0.082435	0	No change
NM_007441	Alx3	0	1	0.113855	0	0	No change
NM_007442	Alx4	0	1	-0.208073	0.053579	0.041394	No change
NM_007443	Ambp	0	1	-1.6935	0.339138	0.0582246	No change
NM_007445	Amh	0	1	0.528892	0.0837152	0.129353	No change
NM_007448	Ang5	0	1	0.113855	0	0	No change
NM_007449	Ang2	0	1	0.113855	0	0	No change
NM_007457	Ap1s1	0	1	0.082146	9.98732	10.0631	No change
NM_007461	Apba2	0	1	0.824348	0.209982	0.367715	No change
NM_007466	Api5	0	1	-0.0819025	21.1978	19.0628	No change
NM_007468	Apoa4	0	1	0.113855	0	0	No change
NM_007477	Arf2	0	1	0.0452677	7.31265	7.1818	No change
NM_007482	Arg1	0	1	0.113855	0.330298	0.340242	No change
NM_007485	Rhod	0	1	0.329244	6.09423	7.29714	No change
NM_007486	Arhgdib	0	1	0.273053	7.53951	8.68018	No change
NM_007489	Arltl	0	1	0.454892	1.77592	2.32381	No change
NM_007490	Art2a-ps	0	1	0.376889	0.322652	0.415457	No change
NM_007492	Arx	0	1	0.113855	0.306455	0.31568	No change
NM_007493	Asgr2	0	1	0.113855	0	0	No change
NM_007494	Ass1	0	1	-0.0173897	3.88845	3.65337	No change
NM_007496	Zfhx3	0	1	0.0448132	1.35664	1.33197	No change
NM_007500	Atoh1	0	1	0.113855	0	0	No change
NM_007501	Neurod4	0	1	0.113855	0	0	No change
NM_007504	Atp2a1	0	1	-0.760614	0.648306	0.354781	No change
NM_007512	Atpif1	0	1	-0.00134	164.987	156.901	No change
NM_007515	Slc7a3	0	1	-0.371572	0.382121	0.272509	No change
NM_007517	Aup1	0	1	0.0763801	10.7468	10.7853	No change
NM_007519	Baat	0	1	-0.886145	0.0358134	0	No change
NM_007522	Bad	0	1	-0.180328	9.83957	8.25695	No change
NM_007524	Nkx3-2	0	1	0.113855	0	0	No change
NM_007526	Barx1	0	1	-1.47111	0.102414	0	No change
NM_007528	Bcl6b	0	1	0.176139	1.36294	1.46683	No change
NM_007533	Bckdha	0	1	0.0793341	28.2231	28.3844	No change
NM_007535	Bcl2a1c	0	1	0.113855	0	0	No change
NM_007538	Opn1sw	0	1	0.336247	0.318101	0.387254	No change
NM_007539	Bdkrb1	0	1	-1.05607	0.416699	0.160966	No change
NM_007542	Bgn	0	1	0.266836	8.57669	9.82656	No change
NM_007545	Hrk	0	1	-1.47111	0.0259758	0	No change
NM_007546	Bik	0	1	-1.15916	2.06936	0.837434	No change
NM_007549	Blk	0	1	-2.88615	0.197111	0	No change
NM_007551	Cxcr5	0	1	-0.99306	0.719583	0.329442	No change
NM_007553	Bmp2	0	1	-0.301183	0.193976	0.142726	No change
NM_007555	Bmp5	0	1	0.528892	0.0551368	0.085195	No change
NM_007556	Bmp6	0	1	0.528892	0.404855	0.565987	No change
NM_007558	Bmp8a	0	1	-0.181601	0.947707	0.788499	No change
NM_007559	Bmp8b	0	1	-0.538222	0.237051	0.146512	No change
NM_007564	Zfp361l1	0	1	0.159984	6.44613	6.85671	No change
NM_007568	Btc	0	1	0.791927	0.218093	0.374431	No change
NM_007575	Ciita	0	1	-0.41666	0.689761	0.487616	No change
NM_007582	Cacng1	0	1	0.85082	0.289663	0.53709	No change
NM_007583	Cacng2	0	1	0.113855	0	0	No change
NM_007586	Calb2	0	1	-1.47111	0.0974045	0	No change
NM_007592	Car8	0	1	0.528892	0.0243596	0.0376394	No change
NM_007596	Cam1	0	1	0.136153	16.0791	16.822	No change
NM_007606	Car3	0	1	-1.88615	0.501388	0.0939058	No change
NM_007609	Casp4	0	1	0.28378	0.730024	0.852267	No change
NM_007611	Casp7	0	1	0.358274	3.82733	4.67604	No change
NM_007618	Serpina6	0	1	-1.88615	0.143009	0	No change
NM_007622	Cbx1	0	1	-0.0160255	8.20561	7.72007	No change
NM_007623	Cbx2	0	1	-0.127153	0.950358	0.825404	No change
NM_007625	Cbx4	0	1	0.129452	2.45407	2.55558	No change

NM_007627	Cckbr	0	1	1.43578	0.028068	0.115652	No change
NM_007640	Cd1d2	0	1	1.37689	0.224093	0.634808	No change
NM_007641	Ms4a1	0	1	-3.05607	0.271047	0	No change
NM_007642	Cd28	0	1	0.421977	0.322877	0.415746	No change
NM_007646	Cd38	0	1	-0.200254	1.04714	0.86293	No change
NM_007648	Cd3e	0	1	0.698817	0.53386	0.849893	No change
NM_007649	Cd48	0	1	0.476425	1.64773	2.20025	No change
NM_007650	Cd5	0	1	0.113855	0.404212	0.416381	No change
NM_007651	Cd53	0	1	-0.00813571	2.73598	2.58775	No change
NM_007655	Cd79a	0	1	-0.886145	0.262596	0.1082	No change
NM_007661	Cdk11b	0	1	-0.0713601	4.44161	4.02074	No change
NM_007662	Cdh15	0	1	-0.886145	0.0245139	0	No change
NM_007666	Cdh6	0	1	-0.0236487	0.264791	0.245486	No change
NM_007670	Cdkn2b	0	1	-0.278463	2.05126	1.59765	No change
NM_007673	Cdx2	0	1	1.11385	0	0.033469	No change
NM_007674	Cdx4	0	1	0.113855	0	0	No change
NM_007676	Psg16	0	1	-1.47111	0.152635	0.0314459	No change
NM_007681	Cenpa	0	1	0.561314	0.521264	0.751738	No change
NM_007683	Cenpc1	0	1	-0.176696	13.3882	11.2715	No change
NM_007689	Chad	0	1	0.361782	0.632422	0.781753	No change
NM_007690	Chd1	0	1	-0.0138137	5.39553	5.08648	No change
NM_007692	Chkb	0	1	-0.267339	12.8016	10.1154	No change
NM_007695	Chi3l1	0	1	-0.0116761	0.453891	0.42505	No change
NM_007701	Vsx2	0	1	-0.886145	0.021916	0	No change
NM_007703	Elovl3	0	1	0.113855	0.0370904	0.038207	No change
NM_007707	Socs3	0	1	-0.171547	0.972222	0.817004	No change
NM_007709	Cited1	0	1	-0.11903	11.4485	10.0242	No change
NM_007710	Ckm	0	1	0.628428	0.295518	0.456621	No change
NM_007718	Ccr11	0	1	-0.471108	0.0954698	0.0491719	No change
NM_007720	Ccr8	0	1	0.113855	0	0	No change
NM_007721	Ccr10	0	1	-0.00162241	0.48482	0.457798	No change
NM_007723	Cnga1	0	1	-1.88615	0.0763619	0	No change
NM_007726	Cnr1	0	1	-0.288904	0.924119	0.717044	No change
NM_007729	Col11a1	0	1	0.026392	0.478989	0.463804	No change
NM_007731	Col13a1	0	1	0.58334	0.288385	0.420844	No change
NM_007734	Col4a3	0	1	0.0611745	2.02384	2.00971	No change
NM_007735	Col4a4	0	1	0.0608364	3.4543	3.42956	No change
NM_007739	Col8a1	0	1	0.347527	1.22747	1.48921	No change
NM_007741	Col9a2	0	1	-0.208073	0.101519	0.0784315	No change
NM_007745	Cort	0	1	0.113855	0	0	No change
NM_007747	Cox5a	0	1	-0.374892	17.4232	12.7605	No change
NM_007751	Cox8b	0	1	1.69882	0	0.395543	No change
NM_007753	Cpa3	0	1	0.528892	0.0959297	0.148226	No change
NM_007756	Cplx1	0	1	-1.88615	0.0953827	0	No change
NM_007758	Cr2	0	1	0.0799075	0.471581	0.474211	No change
NM_007759	Crabp2	0	1	-0.0787903	0.542056	0.478606	No change
NM_007762	Crhr1	0	1	-0.471108	0.0574077	0.0295679	No change
NM_007764	Crkl	0	1	0.213991	5.75512	6.35581	No change
NM_007768	Crp	0	1	0.113855	0.205221	0.211399	No change
NM_007769	Dmbt1	0	1	-1.88615	0.122797	0.0229989	No change
NM_007773	Crybb2	0	1	-0.886145	0.096261	0	No change
NM_007774	Cryga	0	1	-0.886145	0.113322	0	No change
NM_007776	Crygd	0	1	0.113855	0	0	No change
NM_007777	Cryge	0	1	-0.886145	0.108556	0	No change
NM_007780	Csf2rb	0	1	-0.720135	0.58504	0.331459	No change
NM_007781	Csf2rb2	0	1	-0.393105	0.392296	0.279766	No change
NM_007782	Csf3r	0	1	0.274319	0.33069	0.383226	No change
NM_007784	Csn1s1	0	1	0.113855	0	0	No change
NM_007785	Csn1s2a	0	1	-2.6935	0.454519	0	No change
NM_007786	Csn3	0	1	-1.6935	0.261839	0.0449536	No change
NM_007790	Smc3	0	1	-0.189053	9.99923	8.34675	No change
NM_007792	Csrp2	0	1	-0.276935	4.5469	3.55321	No change
NM_007799	Ctse	0	1	-0.14918	0.16437	0.135455	No change
NM_007800	Ctsg	0	1	0.113855	0.0695538	0.0716477	No change
NM_007806	Cyba	0	1	0.0944895	6.79483	6.9048	No change
NM_007807	Cybb	0	1	0.228254	3.00653	3.35387	No change
NM_007811	Cyp26a1	0	1	-0.886145	0.430445	0.201547	No change
NM_007812	Cyp2a5	0	1	0.113855	0.0406373	0.0418606	No change
NM_007813	Cyp2b13	0	1	0.113855	0	0	No change
NM_007814	Cyp2b19	0	1	-1.47111	0.0517202	0	No change
NM_007815	Cyp2c29	0	1	-0.886145	0.0390218	0	No change
NM_007817	Cyp2f2	0	1	-1.88615	0.114878	0	No change
NM_007818	Cyp3a11	0	1	0.113855	0	0	No change
NM_007819	Cyp3a13	0	1	1.11385	0	0.0242947	No change
NM_007820	Cyp3a16	0	1	0.113855	0	0	No change
NM_007822	Cyp4a14	0	1	-0.886145	0.0837991	0.0287739	No change

NM_007823	Cyp4b1	0	1	0.616355	0.856728	1.26622	No change
NM_007824	Cyp7a1	0	1	-1.47111	0.0334098	0	No change
NM_007831	Dcc	0	1	-2.47111	0.0337496	0	No change
NM_007832	Dck	0	1	-0.0536019	1.64144	1.50298	No change
NM_007844	Defa-rs1	0	1	0.113855	0	0	No change
NM_007848	Defa-rs7	0	1	1.11385	0	0.171339	No change
NM_007849	Defa25	0	1	0.113855	0	0	No change
NM_007850	Defa3	0	1	-0.208073	0.679931	0.5253	No change
NM_007851	Defa5	0	1	0.113855	0	0	No change
NM_007852	Defa6	0	1	-0.886145	0.247138	0	No change
NM_007854	Slc29a2	0	1	-0.14918	0.140908	0.11612	No change
NM_007855	Twist2	0	1	0.599282	0.212478	0.328312	No change
NM_007859	Dffb	0	1	0.0129259	2.48417	2.38368	No change
NM_007860	Dio1	0	1	-0.430466	1.42401	0.992303	No change
NM_007861	Dld	0	1	-0.0175197	32.8113	30.8544	No change
NM_007867	Dlx4	0	1	-1.20807	0.153171	0.0394456	No change
NM_007873	Doc2b	0	1	-0.812145	0.607453	0.321326	No change
NM_007877	Drd3	0	1	0.113855	0	0	No change
NM_007878	Drd4	0	1	-0.596639	0.886811	0.537358	No change
NM_007881	Atn1	0	1	0.24556	2.14025	2.41698	No change
NM_007882	Dsc3	0	1	-2.20807	0.0525489	0	No change
NM_007887	Dub1	0	1	0.698817	0.0263092	0.0542023	No change
NM_007888	Dvl2	0	1	-0.321647	3.34811	2.54387	No change
NM_007889	Dvl3	0	1	0.442478	0.99123	1.28849	No change
NM_007893	E4f1	0	1	0.252561	8.82669	10.0128	No change
NM_007894	Ear1	0	1	-2.47111	0.489417	0	No change
NM_007895	Ear2	0	1	-1.6935	0.584019	0.100267	No change
NM_007897	Ebf1	0	1	-0.234068	0.403567	0.319782	No change
NM_007902	Edn2	0	1	-0.886145	0.0560233	0	No change
NM_007906	Eef1a2	0	1	0.113855	0	0	No change
NM_007909	Efna2	0	1	0.336247	0.163522	0.202133	No change
NM_007911	Efnb3	0	1	-0.6935	0.281807	0.15631	No change
NM_007918	Eif4ebp1	0	1	0.194775	7.3174	7.97677	No change
NM_007919	Cela2a	0	1	0.698817	0.382088	0.629745	No change
NM_007925	Eln	0	1	0.0407913	1.47459	1.44303	No change
NM_007930	Enc1	0	1	-0.205214	3.68816	3.04238	No change
NM_007934	Enpep	0	1	-0.153626	1.05997	0.904211	No change
NM_007935	Epc1	0	1	-0.0661967	10.1528	9.22919	No change
NM_007937	Epha5	0	1	-0.596639	0.152148	0.0921934	No change
NM_007939	Epha8	0	1	-2.47111	0.0739369	0	No change
NM_007942	Epo	0	1	-0.886145	0.0974726	0	No change
NM_007946	Epx	0	1	0.113855	0	0	No change
NM_007949	Ercc2	0	1	-0.144321	8.13445	7.00301	No change
NM_007950	Ereg	0	1	-0.6935	0.101102	0.0520728	No change
NM_007953	Esrra	0	1	0.179443	9.32555	10.0546	No change
NM_007954	Ces1c	0	1	0.656997	1.2885	1.9519	No change
NM_007967	Evx2	0	1	0.113855	0	0	No change
NM_007969	Expi	0	1	-0.471108	0.256224	0.131969	No change
NM_007975	F2rl3	0	1	-0.371572	0.23732	0.162976	No change
NM_007979	F9	0	1	-0.886145	0.0255005	0	No change
NM_007980	Fabp2	0	1	-1.20807	0.432204	0.111304	No change
NM_007986	Fap	0	1	0.113855	0.0517202	0.0532772	No change
NM_007991	Fbl	0	1	0.100916	6.67465	6.81364	No change
NM_007994	Fbp2	0	1	-0.301183	1.02331	0.776718	No change
NM_007999	Fen1	0	1	-0.228469	11.7361	9.52891	No change
NM_008001	Fgd1	0	1	0.480637	0.736123	0.983719	No change
NM_008003	Fgf15	0	1	0.113855	0	0	No change
NM_008004	Fgf17	0	1	-2.47111	0.206559	0	No change
NM_008005	Fgf18	0	1	-1.47111	0.513865	0.132334	No change
NM_008006	Fgf2	0	1	-0.371572	1.30361	0.929667	No change
NM_008007	Fgf3	0	1	0.113855	0	0	No change
NM_008011	Fgfr4	0	1	-1.20807	0.420905	0.159738	No change
NM_008019	Fkbp1a	0	1	0.117249	36.0144	37.1861	No change
NM_008023	Foxb2	0	1	-1.47111	0.0920039	0	No change
NM_008024	Foxl1	0	1	0.113855	0	0	No change
NM_008026	Fli1	0	1	0.0887638	1.28685	1.30233	No change
NM_008027	Flot1	0	1	0.430114	4.15525	5.33982	No change
NM_008030	Fmo3	0	1	0.765932	0.208039	0.357169	No change
NM_008035	Folr2	0	1	0.113855	1.96481	2.02396	No change
NM_008036	Fosb	0	1	0.254717	0.701359	0.798522	No change
NM_008039	Fpr2	0	1	-0.301183	0.161326	0.110789	No change
NM_008040	Fpr-rs3	0	1	-0.886145	0.0675319	0	No change
NM_008041	Fpr-rs4	0	1	0.113855	0	0	No change
NM_008042	Fpr3	0	1	0.113855	0	0	No change
NM_008045	Fshb	0	1	0.113855	0	0	No change
NM_008046	Fst	0	1	0.354863	0.298215	0.368631	No change

NM_008055	Fzd4	0	1	-0.0654689	1.43736	1.30529	No change
NM_008057	Fzd7	0	1	0.168303	0.739102	0.791208	No change
NM_008058	Fzd8	0	1	0.449039	1.33304	1.73792	No change
NM_008059	G0s2	0	1	0.346516	3.22423	3.91742	No change
NM_008061	G6pc	0	1	-2.47111	0.155218	0	No change
NM_008065	Gabpa	0	1	0.186005	7.07273	7.66001	No change
NM_008066	Gabra2	0	1	0.698817	0.0291358	0.0600259	No change
NM_008072	Gabrd	0	1	0.698817	0.185452	0.305656	No change
NM_008073	Gabrg2	0	1	0.113855	0	0	No change
NM_008074	Gabrg3	0	1	-0.886145	0.0416575	0	No change
NM_008076	Gabbr2	0	1	-0.886145	0.114878	0.0394456	No change
NM_008077	Gad1	0	1	-0.41666	0.539252	0.37773	No change
NM_008078	Gad2	0	1	-1.88615	0.0371696	0	No change
NM_008082	Galr1	0	1	1.02075	0.169924	0.350078	No change
NM_008083	Gap43	0	1	-1.20807	0.214275	0.0551814	No change
NM_008087	Gas2	0	1	-0.307283	2.54378	1.94847	No change
NM_008093	Gata5	0	1	-1.88615	0.0633188	0	No change
NM_008100	Gcg	0	1	0.113855	0	0	No change
NM_008101	Gcgr	0	1	0.698817	0.0361291	0.0744334	No change
NM_008102	Gch1	0	1	0.247121	0.756436	0.857128	No change
NM_008103	Gcm1	0	1	-0.886145	0.102792	0.0352955	No change
NM_008104	Gcm2	0	1	0.113855	0	0	No change
NM_008106	Opn1mw	0	1	0.376889	0.228501	0.294225	No change
NM_008108	Gdf3	0	1	-0.886145	0.0991365	0.0340403	No change
NM_008109	Gdf5	0	1	-1.47111	0.0602099	0	No change
NM_008113	Arhgdig	0	1	-0.301183	1.01298	0.765214	No change
NM_008117	Gh	0	1	0.113855	0	0	No change
NM_008118	Gif	0	1	-1.6935	0.272949	0.0468609	No change
NM_008119	Gip	0	1	-1.88615	0.751696	0.110618	No change
NM_008120	Gja4	0	1	0.32166	3.00401	3.58071	No change
NM_008121	Gja5	0	1	-0.471108	0.650079	0.438735	No change
NM_008123	Gja8	0	1	-1.05607	0.399959	0.1545	No change
NM_008130	Gli3	0	1	-0.050532	0.529355	0.48565	No change
NM_008134	Glycam1	0	1	-0.886145	0.111509	0	No change
NM_008135	Slc6a9	0	1	-0.232321	3.17367	2.5671	No change
NM_008137	Gna14	0	1	-0.218221	2.1837	1.78257	No change
NM_008140	Gnat1	0	1	0.113855	0	0	No change
NM_008145	Gnrh1	0	1	-0.248715	1.06809	0.825184	No change
NM_008147	Gp49a	0	1	0.0680511	1.65554	1.65037	No change
NM_008148	Gp5	0	1	-0.886145	0.159189	0.0655925	No change
NM_008152	Gpr65	0	1	0.258245	1.91784	2.18724	No change
NM_008154	Gpr3	0	1	-1.88615	0.357733	0.0670004	No change
NM_008158	Gpr27	0	1	0.528892	0.122268	0.188924	No change
NM_008159	Gpr33	0	1	1.69882	0	0.10352	No change
NM_008166	Grid1	0	1	-0.886145	0.223635	0.104713	No change
NM_008167	Grid2	0	1	0.113855	0	0	No change
NM_008170	Grin2a	0	1	-1.6935	0.0926768	0.0159111	No change
NM_008176	Cxcl1	0	1	-0.301183	0.220315	0.151298	No change
NM_008178	Gsx1	0	1	0.113855	0	0	No change
NM_008181	Gsta1	0	1	-2.88615	0.566609	0	No change
NM_008190	Guca2a	0	1	-1.47111	0.248903	0	No change
NM_008191	Guca2b	0	1	1.11385	0	0.119652	No change
NM_008192	Gucy2e	0	1	-0.471108	0.0418275	0.025852	No change
NM_008196	Gzmk	0	1	-1.47111	0.439981	0.0906452	No change
NM_008199	H2-BI	0	1	1.11385	0	0.0616761	No change
NM_008204	H2-M2	0	1	-1.30118	0.319274	0.0939672	No change
NM_008205	H2-M9	0	1	1.11385	0	0.0697677	No change
NM_008206	H2-Oa	0	1	0.113855	0.199313	0.205313	No change
NM_008207	H2-T24	0	1	0.347652	3.41757	4.14558	No change
NM_008208	H2-T3	0	1	-0.886145	0.0319986	0	No change
NM_008211	H3f3b	0	1	0.0184905	171.627	165.483	No change
NM_008213	Hand1	0	1	-0.886145	0.0367191	0	No change
NM_008215	Has1	0	1	0.765932	0.199884	0.343169	No change
NM_008216	Has2	0	1	1.43578	0.0164215	0.0676635	No change
NM_008219	Hbb-bh1	0	1	0.113855	0	0	No change
NM_008221	Hbb-y	0	1	0.113855	0	0	No change
NM_008223	Serpind1	0	1	0.397648	0.700752	0.885903	No change
NM_008225	Hcls1	0	1	-0.371572	0.932463	0.675931	No change
NM_008226	Hcn2	0	1	-0.208073	0.0872525	0.0674094	No change
NM_008227	Hcn3	0	1	0.229332	0.235016	0.264099	No change
NM_008229	Hdac2	0	1	0.0790894	10.1896	10.2456	No change
NM_008236	Hes2	0	1	0.336247	0.138225	0.170863	No change
NM_008237	Hes3	0	1	-2.47111	0.190522	0	No change
NM_008238	Foxn1	0	1	0.113855	0	0	No change
NM_008239	Foxq1	0	1	-0.546659	1.19261	0.767818	No change
NM_008242	Foxd1	0	1	0.113855	0	0	No change

NM_008243	Mst1	0	1	0.528892	0.426816	0.596688	No change
NM_008245	Hhex	0	1	-0.586585	0.472228	0.283759	No change
NM_008250	Hlx	0	1	1.33625	0.0649212	0.200627	No change
NM_008257	Hmx3	0	1	0.113855	0	0	No change
NM_008259	Foxa1	0	1	-0.471108	0.0437358	0.0225262	No change
NM_008261	Hnf4a	0	1	0.229332	0.367815	0.411834	No change
NM_008262	Onecut1	0	1	-0.886145	0.0382298	0	No change
NM_008264	Hoxa13	0	1	0.113855	0	0	No change
NM_008266	Hoxb1	0	1	1.11385	0.301992	0.65673	No change
NM_008267	Hoxb13	0	1	0.113855	0	0	No change
NM_008272	Hoxc9	0	1	-0.793036	0.567598	0.292343	No change
NM_008273	Hoxd11	0	1	0.113855	0	0	No change
NM_008274	Hoxd12	0	1	0.113855	0	0	No change
NM_008275	Hoxd13	0	1	-0.886145	0.0280793	0	No change
NM_008277	Hpd	0	1	-2.6935	0.306792	0	No change
NM_008285	Hrh1	0	1	-1.34558	0.184275	0.0569468	No change
NM_008290	Hsd17b2	0	1	-2.88615	0.381133	0	No change
NM_008295	Hsd3b5	0	1	-2.20807	0.173473	0	No change
NM_008296	Hsf1	0	1	-0.109978	5.73292	5.05169	No change
NM_008304	Sdc2	0	1	0.255469	4.67004	5.30902	No change
NM_008308	Htr1a	0	1	-1.20807	0.376634	0.145489	No change
NM_008309	Htr1d	0	1	0.113855	0	0	No change
NM_008310	Htr1f	0	1	-1.20807	0.111109	0.0286134	No change
NM_008311	Htr2b	0	1	0.0657605	2.01814	2.00959	No change
NM_008312	Htr2c	0	1	-0.886145	0.0146722	0	No change
NM_008313	Htr4	0	1	0.113855	0	0	No change
NM_008314	Htr5a	0	1	0.113855	0	0	No change
NM_008315	Htr7	0	1	-0.301183	0.0678387	0.0465873	No change
NM_008317	Hyal1	0	1	0.378752	4.10147	5.08313	No change
NM_008318	Ibsp	0	1	0.113855	0	0	No change
NM_008320	Irf8	0	1	0.170438	1.82429	1.9554	No change
NM_008321	Id3	0	1	0.023657	2.34016	2.25995	No change
NM_008327	Ifi202b	0	1	1.11385	0	0.0399727	No change
NM_008329	Ifi204	0	1	0.236712	2.70269	3.0343	No change
NM_008330	Ifi47	0	1	0.151823	3.08265	3.26128	No change
NM_008333	Ifna11	0	1	0.113855	0	0	No change
NM_008334	Ifna7	0	1	0.113855	0	0	No change
NM_008336	Ifnab	0	1	-1.47111	0.208039	0	No change
NM_008337	Ifnf	0	1	1.11385	0	0.0594789	No change
NM_008339	Cd79b	0	1	0.22077	0.698093	0.779034	No change
NM_008341	Igfbp1	0	1	0.528892	0.0917012	0.141693	No change
NM_008342	Igfbp2	0	1	0.0782309	6.52035	6.55148	No change
NM_008344	Igfbp6	0	1	0.273333	8.27232	9.52386	No change
NM_008348	Il10ra	0	1	-0.418366	1.85555	1.31538	No change
NM_008352	Il12b	0	1	-1.47111	0.0714433	0	No change
NM_008353	Il12rb1	0	1	0.512404	0.509593	0.699912	No change
NM_008354	Il12rb2	0	1	0.717926	0.567571	0.901346	No change
NM_008355	Il13	0	1	-1.88615	0.173366	0	No change
NM_008357	Il15	0	1	0.765932	1.51263	2.48152	No change
NM_008358	Il15ra	0	1	1.03139	0.703969	1.45032	No change
NM_008360	Il18	0	1	-0.14918	0.885245	0.746096	No change
NM_008361	Il1b	0	1	-0.945039	1.26046	0.595102	No change
NM_008366	Il2	0	1	-0.208073	0.295936	0.228634	No change
NM_008367	Il2ra	0	1	1.11385	0.0157391	0.0486389	No change
NM_008368	Il2rb	0	1	0.385157	0.723814	0.905376	No change
NM_008370	Il5ra	0	1	-1.47111	0.0392305	0	No change
NM_008371	Il7	0	1	0.628428	0.563175	0.841187	No change
NM_008372	Il7r	0	1	0.637417	0.325668	0.492025	No change
NM_008373	Il9	0	1	0.113855	0	0	No change
NM_008375	Fabp6	0	1	0.113855	0	0	No change
NM_008376	Gimap1	0	1	0.113855	0.509384	0.524718	No change
NM_008382	Inhbe	0	1	0.113855	0.0652861	0.0672515	No change
NM_008385	Inpp5b	0	1	0.0454138	4.75556	4.67088	No change
NM_008386	Ins1	0	1	0.113855	0	0	No change
NM_008391	Irf2	0	1	0.347345	2.04814	2.48552	No change
NM_008392	Irg1	0	1	-0.886145	0.0269293	0	No change
NM_008393	Irx3	0	1	-0.886145	0.169569	0.0698696	No change
NM_008396	Itga2	0	1	0.202664	1.02441	1.12333	No change
NM_008400	Itgal	0	1	-0.973608	0.286507	0.12912	No change
NM_008404	Itgb2	0	1	-0.168545	1.07145	0.903031	No change
NM_008406	Itih1	0	1	0.113855	0	0	No change
NM_008407	Itih3	0	1	0.113855	0.717464	0.739062	No change
NM_008412	Ivl	0	1	0.113855	0	0	No change
NM_008417	Kcna2	0	1	-0.127153	0.241989	0.207729	No change
NM_008418	Kcna3	0	1	-0.0787903	0.247892	0.218875	No change
NM_008423	Kcnd1	0	1	0.891462	0.712607	1.2846	No change

NM_008424	Kcne1	0	1	-2.47111	0.110448	0	No change
NM_008426	Kcnj3	0	1	1.61636	0.207543	0.684131	No change
NM_008427	Kcnj4	0	1	-0.471108	0.0647704	0.0333601	No change
NM_008431	Kcnk4	0	1	-0.623111	0.160675	0.0827562	No change
NM_008435	Kcns1	0	1	-0.0116761	0.282678	0.264716	No change
NM_008437	Napsa	0	1	0.168303	1.17804	1.26205	No change
NM_008438	Kera	0	1	0.113855	0.03574	0.0368159	No change
NM_008441	Kif1b	0	1	0.130177	7.79188	8.11789	No change
NM_008454	Klk1b16	0	1	-0.886145	0.857915	0.415878	No change
NM_008459	Klra10	0	1	1.11385	0	0.0872308	No change
NM_008461	Klra14	0	1	-1.20807	0.350656	0.0903031	No change
NM_008463	Klra5	0	1	0.113855	0	0	No change
NM_008464	Klra6	0	1	1.69882	0	0.128658	No change
NM_008466	Kpna3	0	1	0.187436	8.61336	9.33782	No change
NM_008470	Krt16	0	1	0.113855	0.222804	0.229511	No change
NM_008473	Krt1	0	1	-0.886145	0.028481	0	No change
NM_008474	Krt84	0	1	0.113855	0	0	No change
NM_008475	Krt4	0	1	0.113855	0	0	No change
NM_008476	Krt6a	0	1	-0.564217	0.216054	0.127176	No change
NM_008478	L1cam	0	1	-0.0667174	0.210871	0.190067	No change
NM_008479	Lag3	0	1	0.791927	0.139177	0.250892	No change
NM_008482	Lamb1	0	1	0.0083204	2.89483	2.77075	No change
NM_008484	Lamb3	0	1	0.339923	1.90775	2.30156	No change
NM_008486	Anpep	0	1	0.316672	1.05873	1.25839	No change
NM_008490	Lcat	0	1	-0.248715	0.409356	0.31626	No change
NM_008493	Lep	0	1	0.628428	0.128387	0.198378	No change
NM_008496	Lgals7	0	1	1.11385	0.233477	0.601264	No change
NM_008499	Lhx5	0	1	0.113855	0	0	No change
NM_008504	Gzmm	0	1	0.476425	0.325161	0.4466	No change
NM_008508	Lor	0	1	1.33625	0.195877	0.524611	No change
NM_008509	Lpl	0	1	0.595388	0.895044	1.29433	No change
NM_008510	Xcl1	0	1	0.113855	0.694153	0.71505	No change
NM_008511	Lrmp	0	1	-0.400718	0.572488	0.403494	No change
NM_008513	Lrp5	0	1	0.0776498	10.8609	10.9102	No change
NM_008518	Ltb	0	1	-1.14918	0.700112	0.26225	No change
NM_008521	Ltc4s	0	1	0.467492	2.01493	2.68606	No change
NM_008522	Ltf	0	1	-0.333604	0.355836	0.26182	No change
NM_008523	Ltk	0	1	-0.886145	0.218375	0.0964069	No change
NM_008524	Lum	0	1	0.292825	3.52663	4.11717	No change
NM_008530	Ly6f	0	1	-0.442539	5.88059	4.09299	No change
NM_008533	Cd180	0	1	0.94393	0.509364	0.956801	No change
NM_008534	Ly9	0	1	-0.507634	1.10985	0.73286	No change
NM_008535	Lyl1	0	1	-0.371572	1.04481	0.757373	No change
NM_008537	Amacr	0	1	0.374091	2.30054	2.84376	No change
NM_008538	Marcks	0	1	0.0786654	6.89271	6.9287	No change
NM_008553	Ascl1	0	1	0.113855	0	0	No change
NM_008554	Ascl2	0	1	0.94393	0.345871	0.66803	No change
NM_008555	Masp1	0	1	1.69882	0	0.0521737	No change
NM_008559	Mc1r	0	1	-0.886145	0.0190106	0	No change
NM_008560	Mc2r	0	1	-0.886145	0.0443904	0	No change
NM_008561	Mc3r	0	1	-0.886145	0.0265699	0	No change
NM_008564	Mcm2	0	1	0.233649	4.75508	5.32416	No change
NM_008565	Mcm4	0	1	0.179852	4.54393	4.90075	No change
NM_008569	Anapc1	0	1	0.0795988	15.5599	15.652	No change
NM_008570	Mcpt1	0	1	0.113855	0	0	No change
NM_008571	Mcpt2	0	1	0.113855	0	0	No change
NM_008572	Mcpt8	0	1	0.113855	0	0	No change
NM_008584	Meox2	0	1	0.113855	0.0593637	0.0611507	No change
NM_008585	Mep1a	0	1	0.274319	0.381487	0.442093	No change
NM_008586	Mep1b	0	1	0.113855	0	0	No change
NM_008589	Mesp2	0	1	-0.507634	0.68397	0.444985	No change
NM_008592	Foxc1	0	1	0.251358	0.50654	0.575767	No change
NM_008593	Foxd2	0	1	0.113855	0	0	No change
NM_008595	Mfng	0	1	0.628428	0.494007	0.743745	No change
NM_008596	Sypl2	0	1	0.497183	0.472203	0.641188	No change
NM_008598	Mgmt	0	1	0.461778	2.72305	3.59393	No change
NM_008600	Mip	0	1	0.113855	0.130085	0.134001	No change
NM_008605	Mmp12	0	1	1.69882	0.0193216	0.0995162	No change
NM_008606	Mmp11	0	1	-0.208073	1.67486	1.37384	No change
NM_008607	Mmp13	0	1	1.69882	0	0.0536755	No change
NM_008610	Mmp2	0	1	-0.0116761	1.62716	1.5345	No change
NM_008611	Mmp8	0	1	0.113855	0.0852339	0.0877998	No change
NM_008612	Mnat1	0	1	0.219983	3.6168	4.01227	No change
NM_008620	Gbp4	0	1	-0.203486	2.42952	2.00533	No change
NM_008621	Mpp1	0	1	0.311794	2.8637	3.38802	No change
NM_008623	Mpz	0	1	-1.6935	0.209813	0.0360216	No change

NM_008626	Mrc2	0	1	0.229332	0.564656	0.631157	No change
NM_008627	Meis3	0	1	0.814295	0.274073	0.483984	No change
NM_008631	Mt4	0	1	0.113855	0	0	No change
NM_008637	Nudt1	0	1	0.561314	4.0079	5.65765	No change
NM_008644	Prol1	0	1	-0.886145	0.179313	0.0615703	No change
NM_008645	Mug1	0	1	0.698817	0.0149652	0.0308314	No change
NM_008646	Mug2	0	1	-2.20807	0.0613494	0	No change
NM_008649	Mup5	0	1	0.113855	0	0	No change
NM_008653	Mybpc3	0	1	2.11385	0	0.0518971	No change
NM_008655	Gadd45b	0	1	-0.319105	1.43129	1.07743	No change
NM_008656	Myf5	0	1	0.113855	0	0	No change
NM_008670	Naip1	0	1	-0.0690092	0.533	0.482088	No change
NM_008671	Nap1l2	0	1	1.11385	0.0802298	0.192838	No change
NM_008673	Nat1	0	1	-0.471108	0.103556	0.0533365	No change
NM_008674	Nat3	0	1	-3.05607	0.399673	0	No change
NM_008677	Ncf4	0	1	1.11385	0.239659	0.543123	No change
NM_008682	Nedd1	0	1	-0.0159406	12.1317	11.4199	No change
NM_008688	Nfic	0	1	-0.208073	2.92279	2.40634	No change
NM_008690	Nfkbie	0	1	0.396255	2.10144	2.63916	No change
NM_008691	Nefm	0	1	0.113855	0.0215768	0.0222263	No change
NM_008694	Ngp	0	1	-0.886145	0.0600284	0	No change
NM_008695	Nid2	0	1	-0.0160255	2.14045	2.01379	No change
NM_008699	Nkx2-3	0	1	0.113855	0	0	No change
NM_008700	Nkx2-5	0	1	0.113855	0	0	No change
NM_008701	Nkx2-9	0	1	0.113855	0	0	No change
NM_008707	Nmt1	0	1	-0.209415	20.3619	16.7564	No change
NM_008711	Nog	0	1	0.528892	0.0725213	0.112057	No change
NM_008718	Npas1	0	1	-1.14918	0.36663	0.137333	No change
NM_008719	Npas2	0	1	-0.234068	0.45017	0.360672	No change
NM_008725	Nppa	0	1	0.376889	0.336275	0.432997	No change
NM_008726	Nppb	0	1	-0.886145	0.0893499	0	No change
NM_008729	Ctnnd2	0	1	0.241234	0.750143	0.845168	No change
NM_008738	Nrtn	0	1	0.113855	0.34063	0.350885	No change
NM_008741	Nsg2	0	1	-0.886145	0.0310713	0	No change
NM_008746	Ntrk3	0	1	0.168996	1.7786	1.90446	No change
NM_008748	Dusp8	0	1	0.393963	0.795416	0.998131	No change
NM_008752	Nxph2	0	1	-0.886145	0.0270232	0	No change
NM_008754	Obp1a	0	1	0.113855	0	0	No change
NM_008759	Sebox	0	1	1.43578	0.0541936	0.2233	No change
NM_008762	Olfrl5	0	1	0.113855	0	0	No change
NM_008763	Olfrl6	0	1	0.113855	0	0	No change
NM_008764	Tnfrsf11b	0	1	1.43578	0.173119	0.484041	No change
NM_008766	Slc22a6	0	1	-1.88615	0.0519321	0	No change
NM_008768	Orm1	0	1	-1.47111	0.181492	0	No change
NM_008769	Otc	0	1	1.69882	0	0.0633916	No change
NM_008771	P2rx1	0	1	0.628428	0.171306	0.264694	No change
NM_008773	P2ry2	0	1	-0.333604	0.325234	0.239303	No change
NM_008777	Pah	0	1	-0.886145	0.0325212	0	No change
NM_008779	Cntn3	0	1	0.3065	0.551304	0.651008	No change
NM_008791	Pcp4	0	1	1.21339	0.652352	1.56798	No change
NM_008798	Pdcd1	0	1	-0.301183	0.108331	0.0743948	No change
NM_008800	Pde1b	0	1	-1.53	0.566226	0.170121	No change
NM_008806	Pde6b	0	1	-1.10854	0.148493	0.0509879	No change
NM_008808	Pdgfa	0	1	0.191857	7.34694	7.99249	No change
NM_008814	Pdx1	0	1	0.113855	0	0	No change
NM_008817	Peg3	0	1	-0.121773	2.29364	2.00503	No change
NM_008823	Cfp	0	1	0.487313	1.9664	2.63799	No change
NM_008824	Pfkfb1	0	1	-0.284695	1.13388	0.876008	No change
NM_008829	Pgr	0	1	-0.623111	0.091049	0.0521055	No change
NM_008830	Abcb4	0	1	-1.76061	0.171026	0.0352348	No change
NM_008843	Pip	0	1	0.113855	0	0	No change
NM_008847	Pip5k1a	0	1	0.24556	7.45629	8.41765	No change
NM_008848	Pira6	0	1	-0.371572	0.219736	0.150901	No change
NM_008849	Pou1f1	0	1	1.11385	0	0.0819532	No change
NM_008850	Pitpna	0	1	0.176061	9.77127	10.5098	No change
NM_008852	Pitx3	0	1	-0.886145	0.0505754	0	No change
NM_008855	Prkcb	0	1	-0.100884	1.47611	1.30913	No change
NM_008865	Prl3b1	0	1	0.113855	0	0	No change
NM_008871	Serpine1	0	1	-0.301183	0.530423	0.403854	No change
NM_008872	Plat	0	1	0.132591	4.18378	4.36643	No change
NM_008873	Plau	0	1	-0.278463	3.71815	2.91086	No change
NM_008877	Plg	0	1	0.113855	0	0	No change
NM_008882	Plxna2	0	1	-0.15149	2.36204	2.02329	No change
NM_008886	Pms2	0	1	0.25358	2.52214	2.86453	No change
NM_008887	Phox2a	0	1	0.654423	0.433144	0.669276	No change
NM_008888	Phox2b	0	1	0.113855	0	0	No change

NM_008890	Pnmt	0	1	0.113855	0.549381	0.56592	No change
NM_008894	Pold2	0	1	-0.0286843	12.3802	11.549	No change
NM_008899	Pou3f2	0	1	0.113855	0	0	No change
NM_008901	Pou3f4	0	1	0.113855	0	0	No change
NM_008904	Ppargc1a	0	1	0.376889	0.797846	0.988459	No change
NM_008913	Ppp3ca	0	1	-0.185927	15.8826	13.2849	No change
NM_008917	Ppt1	0	1	0.0944523	43.918	44.6354	No change
NM_008920	Prg2	0	1	-0.471108	0.415829	0.257008	No change
NM_008921	Prim1	0	1	-0.564217	1.40932	0.889777	No change
NM_008928	Map2k3	0	1	0.0776346	7.75439	7.78896	No change
NM_008936	Prop1	0	1	0.113855	0	0	No change
NM_008940	Klk8	0	1	1.11385	0	0.0543048	No change
NM_008941	Tmprss15	0	1	-0.886145	0.0187296	0	No change
NM_008946	Psmb6	0	1	0.0687028	47.9643	47.8837	No change
NM_008950	Psmc5	0	1	0.0552427	23.2492	22.9933	No change
NM_008952	Pipox	0	1	0.291642	2.35715	2.75185	No change
NM_008953	Psp	0	1	0.113855	0	0	No change
NM_008954	Pspn	0	1	0.85082	0.735158	1.36312	No change
NM_008955	Rhox6	0	1	0.113855	0	0	No change
NM_008959	Ptdss1	0	1	0.00600986	12.1311	11.5947	No change
NM_008960	Pten	0	1	0.0948967	19.494	19.8186	No change
NM_008962	Ptgdr	0	1	-1.6935	0.437358	0.112631	No change
NM_008964	Ptger2	0	1	0.814295	0.129472	0.228634	No change
NM_008965	Ptger4	0	1	0.431337	1.82651	2.35187	No change
NM_008966	Ptgfr	0	1	0.698817	0.0157891	0.0325288	No change
NM_008967	Ptgir	0	1	0.891462	0.125422	0.236863	No change
NM_008968	Ptgis	0	1	0.13939	4.418	4.633	No change
NM_008970	Pthlh	0	1	0.113855	0	0	No change
NM_008973	Ptn	0	1	0.201318	0.517266	0.56836	No change
NM_008984	Ptprm	0	1	0.00584762	3.80439	3.63531	No change
NM_008985	Ptpn	0	1	-1.20807	0.177436	0.0609259	No change
NM_008987	Ptx3	0	1	1.43578	0.108782	0.33617	No change
NM_008988	Igdcc3	0	1	0.113855	0.0886679	0.0913371	No change
NM_008989	Pura	0	1	0.334934	6.79082	8.16112	No change
NM_008995	Pex5	0	1	-0.0660543	12.8184	11.6535	No change
NM_008997	Rab11b	0	1	0.0546156	7.98625	7.89523	No change
NM_009003	Rab4a	0	1	0.0156744	3.70182	3.55904	No change
NM_009006	Map4k2	0	1	0.286691	1.52612	1.77585	No change
NM_009008	Rac2	0	1	-0.224314	1.51506	1.22962	No change
NM_009009	Rad21	0	1	0.0353344	29.9071	29.1744	No change
NM_009016	Raet1a	0	1	-0.471108	0.36087	0.232333	No change
NM_009017	Raet1b	0	1	-0.471108	0.448908	0.289014	No change
NM_009018	Raet1c	0	1	-1.20807	0.225726	0.0581303	No change
NM_009020	Rag2	0	1	-2.20807	0.184862	0.0211586	No change
NM_009030	Rbbp4	0	1	-0.0918292	41.1642	36.767	No change
NM_009034	Rbp2	0	1	-0.471108	0.518549	0.320495	No change
NM_009036	Rbpjl	0	1	0.113855	0	0	No change
NM_009038	Rcvrn	0	1	0.113855	0	0	No change
NM_009040	Rdh16	0	1	0.52048	0.912439	1.25321	No change
NM_009042	Reg1	0	1	0.113855	0	0	No change
NM_009043	Reg2	0	1	0.113855	0	0	No change
NM_009044	Rel	0	1	-0.602352	0.593361	0.361177	No change
NM_009045	Rela	0	1	-0.115815	6.79178	5.96271	No change
NM_009046	Relb	0	1	0.201318	2.50261	2.74111	No change
NM_009049	Resp18	0	1	-0.886145	0.0981591	0	No change
NM_009059	Rgl2	0	1	0.173837	5.00177	5.37211	No change
NM_009061	Rgs2	0	1	0.3065	4.35436	5.12963	No change
NM_009062	Rgs4	0	1	0.517211	0.710911	0.976416	No change
NM_009065	Rit2	0	1	0.113855	0	0	No change
NM_009066	Ring1	0	1	0.106242	6.47589	6.63555	No change
NM_009071	Rock1	0	1	-0.0685293	15.5449	14.1099	No change
NM_009073	Rom1	0	1	-0.063023	2.32919	2.11703	No change
NM_009074	Mst1r	0	1	0.265858	0.385044	0.442401	No change
NM_009075	Rpia	0	1	0.167436	7.23674	7.73819	No change
NM_009085	Polr1c	0	1	0.0487989	30.227	29.7616	No change
NM_009086	Polr1b	0	1	0.366621	2.44047	2.99877	No change
NM_009089	Polr2a	0	1	-0.0505826	11.8138	10.8572	No change
NM_009090	Polr2c	0	1	0.0709993	9.00973	9.00799	No change
NM_009100	Rptn	0	1	1.69882	0	0.0346314	No change
NM_009101	Rras	0	1	0.376889	3.97824	4.93278	No change
NM_009102	Rrh	0	1	2.43578	0	0.206	No change
NM_009113	S100a13	0	1	-0.301183	2.7591	2.10531	No change
NM_009114	S100a9	0	1	1.11385	0	0.147113	No change
NM_009115	S100b	0	1	0.372167	2.09792	2.59329	No change
NM_009116	Prrx2	0	1	-0.886145	0.432109	0.190764	No change
NM_009117	Saa1	0	1	-2.20807	0.459262	0	No change

NM_009119	Sap18	0	1	-0.00783984	14.4303	13.6606	No change
NM_009123	Nkx1-2	0	1	-1.88615	0.109868	0	No change
NM_009126	Serpib3a	0	1	0.113855	0	0	No change
NM_009129	Scg2	0	1	-0.886145	0.0280454	0	No change
NM_009132	Scin	0	1	0.564516	1.52461	2.15612	No change
NM_009133	Stmn3	0	1	1.11385	0.122699	0.315981	No change
NM_009135	Scn7a	0	1	0.297719	1.94832	2.2811	No change
NM_009136	Scrg1	0	1	0.113855	0	0	No change
NM_009138	Ccl25	0	1	-0.709267	1.44919	0.814264	No change
NM_009139	Ccl6	0	1	0.300268	1.35892	1.5998	No change
NM_009140	Cxcl2	0	1	-0.886145	0.193055	0.066289	No change
NM_009141	Cxcl5	0	1	1.11385	0	0.0433782	No change
NM_009144	Sfrp2	0	1	0.528892	0.174145	0.251143	No change
NM_009150	Selenbp1	0	1	0.312539	6.1214	7.24301	No change
NM_009151	Selpg	0	1	-0.482248	1.71288	1.15792	No change
NM_009152	Sema3a	0	1	-0.538222	0.117407	0.072565	No change
NM_009160	Sftpd	0	1	0.113855	0.262794	0.270705	No change
NM_009164	Sh3bp1	0	1	-0.426714	0.550207	0.377847	No change
NM_009167	Shc3	0	1	-1.05607	0.362984	0.140217	No change
NM_009170	Shh	0	1	0.361782	1.64629	2.01887	No change
NM_009172	Siah1a	0	1	-0.106646	12.5573	11.0971	No change
NM_009173	Siah1b	0	1	-0.432114	2.9293	2.05357	No change
NM_009184	Ptk6	0	1	-1.47111	0.0609737	0	No change
NM_009189	Six1	0	1	-1.20807	0.22016	0.075596	No change
NM_009194	Slc12a2	0	1	0.108766	3.02502	3.10507	No change
NM_009195	Slc12a4	0	1	0.268365	2.12036	2.43327	No change
NM_009200	Slc1a6	0	1	0.113855	0.0333619	0.0343662	No change
NM_009202	Slc22a1	0	1	1.11385	0.0349689	0.108065	No change
NM_009204	Slc2a4	0	1	0.442478	2.09918	2.72205	No change
NM_009205	Slc3a1	0	1	0.260076	2.23743	2.55395	No change
NM_009206	Slc4a1ap	0	1	-0.281117	6.81123	5.32881	No change
NM_009207	Slc4a2	0	1	-0.0344979	5.10681	4.74481	No change
NM_009208	Slc4a3	0	1	-0.224947	1.33391	1.08309	No change
NM_009209	Slc6a2	0	1	0.654423	0.114759	0.17732	No change
NM_009211	Smarcc1	0	1	0.117493	4.85258	5.01132	No change
NM_009214	Sms	0	1	-0.518413	1.25889	0.829093	No change
NM_009215	Sst	0	1	0.113855	0	0	No change
NM_009218	Sstr3	0	1	-0.886145	0.0532278	0.0182767	No change
NM_009219	Sstr4	0	1	0.113855	0.100422	0.103445	No change
NM_009223	Snn	0	1	0.00792137	8.11164	7.76252	No change
NM_009226	Snrpd1	0	1	0.113855	15.7371	16.2109	No change
NM_009228	Snta1	0	1	-0.383645	2.33957	1.69719	No change
NM_009231	Sos1	0	1	0.16855	5.04783	5.40103	No change
NM_009234	Sox11	0	1	-2.88615	0.057727	0	No change
NM_009235	Sox15	0	1	-1.76061	1.00134	0.206296	No change
NM_009236	Sox18	0	1	-0.326718	0.774844	0.576456	No change
NM_009237	Sox3	0	1	-0.886145	0.0337496	0	No change
NM_009244	Serpina1b	0	1	-1.6935	0.293444	0.0503796	No change
NM_009245	Serpina1c	0	1	-2.20807	0.440475	0.050415	No change
NM_009246	Serpina1d	0	1	-2.6935	0.289984	0	No change
NM_009247	Serpina1e	0	1	-2.20807	0.203038	0	No change
NM_009252	Serpina3n	0	1	-0.169317	3.34259	2.82343	No change
NM_009253	Serpina3m	0	1	-1.47111	0.210045	0.0432736	No change
NM_009258	Spink3	0	1	-1.47111	0.330298	0	No change
NM_009264	Spr1a	0	1	0.113855	0	0	No change
NM_009265	Spr1b	0	1	0.113855	0	0	No change
NM_009270	Sqle	0	1	0.0916984	21.6079	21.9187	No change
NM_009273	Srp14	0	1	0.0611189	122.801	121.954	No change
NM_009281	Zfp143	0	1	-0.170448	2.82195	2.38271	No change
NM_009286	Sult2a2	0	1	0.698817	0.0940525	0.193768	No change
NM_009290	Wnt8a	0	1	-1.47111	0.0917616	0	No change
NM_009297	Supt6h	0	1	-0.102818	22.152	19.6351	No change
NM_009299	Sva	0	1	0.891462	0.642331	1.21306	No change
NM_009300	Svs4	0	1	-1.47111	0.24241	0	No change
NM_009301	Svs5	0	1	-2.88615	0.811731	0	No change
NM_009303	Syng1	0	1	0.85082	0.425996	0.789876	No change
NM_009308	Syt4	0	1	0.113855	0	0	No change
NM_009309	T	0	1	1.11385	0	0.0350885	No change
NM_009313	Tacr1	0	1	1.25136	0.0554659	0.142839	No change
NM_009322	Tbr1	0	1	-2.47111	0.087642	0	No change
NM_009323	Tbx15	0	1	-1.47111	0.156306	0.0402529	No change
NM_009325	Tbxa2r	0	1	-0.523575	0.472125	0.299285	No change
NM_009327	Hnf1a	0	1	-0.14918	0.240622	0.202799	No change
NM_009328	Tcf15	0	1	-1.47111	0.149716	0	No change
NM_009329	Zfp354a	0	1	0.113855	1.21085	1.2473	No change
NM_009336	Vps72	0	1	0.170438	6.01805	6.44919	No change

NM_009337	Tcl1	0	1	-0.886145	0.0500308	0	No change
NM_009348	Tectb	0	1	0.336247	0.127877	0.158072	No change
NM_009351	Tep1	0	1	0.0577429	3.12478	3.09573	No change
NM_009354	Tert	0	1	0.747727	0.569586	0.922009	No change
NM_009357	Tex261	0	1	-0.0583915	29.7657	27.2055	No change
NM_009362	Tff1	0	1	0.113855	0	0	No change
NM_009363	Tff2	0	1	0.113855	0	0	No change
NM_009364	Tfpi2	0	1	1.11385	0.0462155	0.14282	No change
NM_009365	Tgfb1i1	0	1	0.561314	0.737004	1.04389	No change
NM_009368	Tgfb3	0	1	0.0132509	3.95304	3.79633	No change
NM_009369	Tgfb1	0	1	0.193289	4.11183	4.47688	No change
NM_009374	Tgm3	0	1	-0.326718	0.305225	0.227076	No change
NM_009377	Th	0	1	-2.20807	0.158663	0	No change
NM_009378	Thbd	0	1	0.113855	4.47999	4.61486	No change
NM_009382	Thy1	0	1	-0.130071	1.76743	1.53099	No change
NM_009387	Tk1	0	1	0.564516	1.47633	2.09762	No change
NM_009390	Tll1	0	1	1.11385	0.0989957	0.21852	No change
NM_009392	Tlx2	0	1	-0.886145	0.0486004	0	No change
NM_009393	Tnnc1	0	1	0.113855	0.0991365	0.102121	No change
NM_009394	Tnnc2	0	1	-1.88615	0.302137	0	No change
NM_009398	Tnfaip6	0	1	-0.748642	0.827087	0.448413	No change
NM_009399	Tnfrsf11a	0	1	0.427963	0.499591	0.643288	No change
NM_009400	Tnfrsf18	0	1	0.246305	3.52963	3.99235	No change
NM_009401	Tnfrsf8	0	1	-0.886145	0.309746	0.136745	No change
NM_009402	Pglyrp1	0	1	0.376889	0.409356	0.5271	No change
NM_009403	Tnfsf8	0	1	0.376889	0.125122	0.161111	No change
NM_009404	Tnfsf9	0	1	0.113855	0.0566609	0.0583666	No change
NM_009405	Tnni2	0	1	-0.886145	0.104487	0	No change
NM_009411	Tpbpa	0	1	0.113855	0	0	No change
NM_009415	Tpi1	0	1	0.07077	118.317	118.291	No change
NM_009417	Tpo	0	1	0.85082	0.106174	0.196867	No change
NM_009422	Traf2	0	1	-0.131722	7.99679	6.94442	No change
NM_009425	Tnfsf10	0	1	-0.000101379	1.09952	1.0455	No change
NM_009428	Trpc5	0	1	-0.14918	0.0838058	0.069063	No change
NM_009430	Prss2	0	1	0.113855	0	0	No change
NM_009437	Tst	0	1	-0.119818	13.5443	11.856	No change
NM_009442	Ttf1	0	1	-0.0610194	7.33345	6.68989	No change
NM_009451	Tubb4	0	1	0.113855	0.062561	0.0644443	No change
NM_009452	Tnfsf4	0	1	0.113855	0.0433144	0.0446184	No change
NM_009453	Zrsr2	0	1	0.419481	2.181	2.78279	No change
NM_009454	Ube2e3	0	1	0.133395	9.91732	10.3558	No change
NM_009456	Ube2l3	0	1	0.0171788	25.9378	24.9851	No change
NM_009463	Ucp1	0	1	-0.471108	0.0847846	0.0436685	No change
NM_009464	Ucp3	0	1	-0.564217	0.199285	0.117306	No change
NM_009467	Ugt2b5	0	1	0.113855	0	0	No change
NM_009470	Umod	0	1	-0.127153	0.338315	0.290417	No change
NM_009474	Uox	0	1	0.590293	1.70167	2.45406	No change
NM_009475	Prap1	0	1	-0.886145	0.112047	0	No change
NM_009476	Upk2	0	1	1.37689	0.318961	0.903548	No change
NM_009479	Uros	0	1	0.177141	8.54325	9.19686	No change
NM_009482	Utf1	0	1	-0.886145	0.0600801	0	No change
NM_009486	Vmn2r89	0	1	-2.6935	0.154018	0	No change
NM_009489	Vmn2r37	0	1	2.11385	0	0.0699717	No change
NM_009490	Vmn2r30	0	1	1.33625	0.0544689	0.168326	No change
NM_009491	Vmn2r10	0	1	-1.47111	0.05479	0	No change
NM_009493	Vmn2r42	0	1	-0.886145	0.0192575	0	No change
NM_009500	Vav2	0	1	0.161242	11.3686	12.1026	No change
NM_009501	Vax1	0	1	-0.886145	0.068528	0	No change
NM_009506	Vegfc	0	1	-0.0381483	0.333459	0.305331	No change
NM_009508	Slc32a1	0	1	0.113855	0	0	No change
NM_009509	Vil1	0	1	-0.770668	0.514257	0.276385	No change
NM_009511	Vipr2	0	1	0.92121	0.144121	0.275711	No change
NM_009512	Slc27a5	0	1	-1.47111	0.059848	0	No change
NM_009513	Nrsn1	0	1	-0.886145	0.163063	0.0671886	No change
NM_009514	Vpreb3	0	1	-3.05607	0.926152	0	No change
NM_009516	Wee1	0	1	-0.240118	4.85139	3.90556	No change
NM_009518	Wnt10a	0	1	1.03139	0.284316	0.58575	No change
NM_009519	Wnt11	0	1	-1.20807	0.0999899	0.02575	No change
NM_009523	Wnt4	0	1	0.830062	0.822896	1.43452	No change
NM_009526	Wnt6	0	1	-0.175652	1.44913	1.21503	No change
NM_009536	Ywhae	0	1	-0.0525036	54.1646	49.7147	No change
NM_009538	Plagl1	0	1	0.101576	1.54991	1.58292	No change
NM_009541	Zbtb17	0	1	-0.10992	3.53056	3.11129	No change
NM_009558	Zfp51	0	1	-0.19569	7.7526	6.43853	No change
NM_009566	Zfp92	0	1	0.22077	0.145471	0.162338	No change
NM_009567	Zfp93	0	1	-0.343827	4.07039	3.04754	No change

NM_009573	Zic1	0	1	-0.886145	0.0208039	0	No change
NM_009574	Zic2	0	1	0.113855	0	0	No change
NM_009576	Zic4	0	1	-1.47111	0.0340963	0	No change
NM_009577	Zik1	0	1	-0.296933	1.86247	1.4389	No change
NM_009579	Slc30a1	0	1	-0.0395429	7.6489	7.08301	No change
NM_009580	Zp1	0	1	0.113855	0	0	No change
NM_009591	Aanat	0	1	-0.301183	0.15453	0.106121	No change
NM_009593	Abcg1	0	1	0.255662	2.53952	2.88743	No change
NM_009596	Abpa	0	1	0.113855	0	0	No change
NM_009597	Accn2	0	1	0.204053	0.55547	0.610338	No change
NM_009599	Ache	0	1	-0.623111	0.127701	0.0657728	No change
NM_009601	Chrb1	0	1	0.54012	2.04312	2.83957	No change
NM_009602	Chrb2	0	1	-0.353271	1.20383	0.893387	No change
NM_009604	Chrng	0	1	-0.471108	0.072559	0.0373717	No change
NM_009606	Acta1	0	1	1.26586	0.389074	0.951869	No change
NM_009608	Actc1	0	1	1.11385	0	0.0516482	No change
NM_009616	Adam19	0	1	0.400736	0.534673	0.67441	No change
NM_009625	Adcyap1	0	1	0.113855	0	0	No change
NM_009630	Adora2a	0	1	1.33625	0.0550063	0.169987	No change
NM_009633	Adra2b	0	1	-0.400718	0.159359	0.109437	No change
NM_009634	Adsl	0	1	-0.152319	6.04732	5.17412	No change
NM_009635	Avil	0	1	0.403361	0.183826	0.2367	No change
NM_009636	Aebp1	0	1	0.237369	3.0638	3.43973	No change
NM_009637	Aebp2	0	1	0.30094	4.89073	5.74643	No change
NM_009640	Angpt1	0	1	0.528892	0.444558	0.616458	No change
NM_009641	Angpt4	0	1	0.730526	0.637713	1.03229	No change
NM_009645	Aicda	0	1	-0.886145	0.0290751	0	No change
NM_009646	Aire	0	1	-0.471108	0.289032	0.186083	No change
NM_009654	Alb	0	1	0.113855	0	0	No change
NM_009659	Alox12b	0	1	-0.886145	0.0296945	0	No change
NM_009660	Alox15	0	1	-0.400718	0.259833	0.178437	No change
NM_009661	Alox8	0	1	0.698817	0.0213193	0.0439223	No change
NM_009663	Alox5ap	0	1	-0.108538	1.63215	1.42909	No change
NM_009664	Ambn	0	1	0.113855	0	0	No change
NM_009667	Ampd3	0	1	-0.0150429	1.97953	1.86333	No change
NM_009675	Aoc3	0	1	0.287884	0.602441	0.702232	No change
NM_009676	Aox1	0	1	-0.16032	1.63815	1.39257	No change
NM_009685	Apbb1	0	1	-0.259763	5.50985	4.37446	No change
NM_009692	Apoa1	0	1	-0.886145	0.0707543	0	No change
NM_009693	Apob	0	1	-0.0955986	0.180383	0.160006	No change
NM_009694	Apobec2	0	1	-0.950276	1.25882	0.589417	No change
NM_009695	Apoc2	0	1	-0.734142	0.883587	0.455093	No change
NM_009700	Aqp4	0	1	0.0743264	0.493693	0.494428	No change
NM_009701	Aqp5	0	1	-0.471108	0.0898684	0.0462869	No change
NM_009704	Areg	0	1	0.113855	0	0	No change
NM_009707	Arhgap6	0	1	0.421036	0.73361	0.938103	No change
NM_009708	Rnd2	0	1	-0.886145	2.95482	1.46941	No change
NM_009711	Artn	0	1	-0.752879	0.960399	0.527632	No change
NM_009714	Asgr1	0	1	-1.47111	0.111957	0	No change
NM_009717	Neurod6	0	1	0.113855	0	0	No change
NM_009718	Neurog2	0	1	0.113855	0	0	No change
NM_009719	Neurog3	0	1	-1.47111	0.0905103	0	No change
NM_009724	Atp4b	0	1	1.69882	0	0.1082	No change
NM_009731	Akr1b7	0	1	-0.00162241	1.39609	1.32307	No change
NM_009732	Avp	0	1	-0.886145	0.137461	0	No change
NM_009737	Bcat2	0	1	-0.301183	6.03499	4.65099	No change
NM_009745	Bcl7b	0	1	-0.237407	9.83064	7.92889	No change
NM_009747	Bdkrb2	0	1	1.52889	0.0829678	0.299129	No change
NM_009751	Bfsp1	0	1	0.454892	0.411341	0.544788	No change
NM_009756	Bmp10	0	1	0.113855	0	0	No change
NM_009757	Bmp15	0	1	0.403361	0.182025	0.234381	No change
NM_009759	Bmx	0	1	0.760218	0.510231	0.836168	No change
NM_009763	Bst1	0	1	0.336247	0.149172	0.184395	No change
NM_009766	Brs3	0	1	0.113855	0	0	No change
NM_009774	Bub3	0	1	-0.125124	15.2951	13.3451	No change
NM_009779	C3ar1	0	1	0.288185	1.75083	2.03733	No change
NM_009782	Cacna1e	0	1	-0.426714	0.25798	0.180933	No change
NM_009786	Cacybp	0	1	-0.107801	21.4845	18.9745	No change
NM_009788	Calb1	0	1	0.113855	0	0	No change
NM_009789	S100g	0	1	1.11385	0.725968	1.64521	No change
NM_009790	Calm1	0	1	-0.0155947	117.908	111.033	No change
NM_009792	Camk2a	0	1	0.113855	0.0163292	0.0168208	No change
NM_009802	Car6	0	1	1.11385	0	0.0524404	No change
NM_009803	Nr1i3	0	1	1.92121	0.0493227	0.304845	No change
NM_009807	Casp1	0	1	-1.01168	1.05944	0.474494	No change
NM_009808	Casp12	0	1	0.274319	1.79249	2.06692	No change

NM_009809	Casp14	0	1	1.11385	0	0.0307984	No change
NM_009810	Casp3	0	1	0.430712	2.67866	3.44912	No change
NM_009811	Casp6	0	1	0.343337	4.11931	4.98343	No change
NM_009814	Casq2	0	1	0.130534	2.40907	2.51079	No change
NM_009823	Cbfa2t2	0	1	-0.0958458	6.2617	5.576	No change
NM_009827	Cckar	0	1	0.113855	0	0	No change
NM_009829	Ccnd2	0	1	0.304798	2.54812	2.99803	No change
NM_009833	Ccnt1	0	1	0.0500582	12.5608	12.3778	No change
NM_009834	Ccrn4l	0	1	0.0393079	3.1338	3.06439	No change
NM_009838	Cct6a	0	1	0.0220033	36.2715	35.0566	No change
NM_009843	Ctla4	0	1	-1.88615	0.108275	0	No change
NM_009848	Entpd1	0	1	0.085995	6.06098	6.1237	No change
NM_009850	Cd3g	0	1	0.461778	1.43065	1.89478	No change
NM_009854	Cd7	0	1	0.528892	0.5361	0.759328	No change
NM_009855	Cd80	0	1	0.599282	0.163983	0.25338	No change
NM_009856	Cd83	0	1	0.0665491	0.974726	0.970601	No change
NM_009865	Cdh10	0	1	1.11385	0	0.021084	No change
NM_009866	Cdh11	0	1	0.148206	2.72755	2.87777	No change
NM_009867	Cdh4	0	1	-0.371572	0.0659243	0.0452726	No change
NM_009868	Cdh5	0	1	0.274319	2.06316	2.37742	No change
NM_009869	Cdh9	0	1	-1.47111	0.192124	0.0494769	No change
NM_009871	Cdk5r1	0	1	-0.608611	0.539471	0.329954	No change
NM_009872	Cdk5r2	0	1	-1.47111	0.051548	0	No change
NM_009873	Cdk6	0	1	-0.0357215	3.69627	3.42969	No change
NM_009880	Cdx1	0	1	0.113855	0	0	No change
NM_009885	Cel	0	1	0.113855	0.0683935	0.0704524	No change
NM_009887	Cer1	0	1	0.113855	0	0	No change
NM_009889	Cga	0	1	0.113855	0	0	No change
NM_009890	Ch25h	0	1	-1.01168	1.1856	0.530998	No change
NM_009891	Chat	0	1	-0.886145	0.0248018	0	No change
NM_009893	Chrd	0	1	0.224886	0.510727	0.569944	No change
NM_009894	Cideb	0	1	-0.705573	1.72301	0.979246	No change
NM_009895	Cish	0	1	0.331446	1.35451	1.62784	No change
NM_009896	Socs1	0	1	-0.538222	0.571722	0.35336	No change
NM_009897	Ckmt1	0	1	1.36178	0.307017	0.813239	No change
NM_009898	Coro1a	0	1	-0.0737722	5.32407	4.81004	No change
NM_009909	Cxcr2	0	1	1.11385	0	0.0235922	No change
NM_009910	Cxcr3	0	1	-0.409707	0.95351	0.669692	No change
NM_009912	Ccr1	0	1	0.698817	0.467738	0.735407	No change
NM_009914	Ccr3	0	1	-0.886145	0.0212933	0	No change
NM_009915	Ccr2	0	1	-0.100739	2.36906	2.10032	No change
NM_009917	Ccr5	0	1	-0.320042	1.81021	1.37399	No change
NM_009921	Camp	0	1	0.113855	0.116349	0.119851	No change
NM_009924	Cnr2	0	1	-0.886145	0.415269	0.204586	No change
NM_009925	Col10a1	0	1	0.54012	1.40277	1.9496	No change
NM_009926	Col11a2	0	1	-0.623111	0.111907	0.0640419	No change
NM_009928	Col15a1	0	1	-0.286683	1.28406	0.998784	No change
NM_009932	Col4a2	0	1	0.0867187	1.73527	1.754	No change
NM_009937	Colq	0	1	-2.6935	0.147498	0	No change
NM_009942	Cox5b	0	1	0.0212055	51.0755	49.3326	No change
NM_009943	Cox6a2	0	1	-2.20807	0.9518	0.108939	No change
NM_009944	Cox7a1	0	1	-0.564217	1.33293	0.784601	No change
NM_009945	Cox7a2	0	1	-0.022499	185.416	173.765	No change
NM_009953	Crhr2	0	1	-1.47111	0.0525192	0	No change
NM_009962	Gpr44	0	1	-0.964148	0.47446	0.217219	No change
NM_009964	Cryab	0	1	0.113855	2.17607	2.24157	No change
NM_009965	Cryba1	0	1	0.113855	0.408158	0.420445	No change
NM_009967	Crygs	0	1	-0.886145	0.295309	0.1014	No change
NM_009969	Csf2	0	1	0.113855	0.404799	0.416985	No change
NM_009970	Csf2ra	0	1	0.323778	3.09076	3.68856	No change
NM_009971	Csf3	0	1	-0.471108	0.715848	0.474042	No change
NM_009972	Csn2	0	1	0.113855	0	0	No change
NM_009973	Csn1s2b	0	1	-3.20807	0.819917	0	No change
NM_009977	Cst7	0	1	-0.886145	0.494777	0.218431	No change
NM_009985	Ctsw	0	1	0.637417	0.848534	1.28198	No change
NM_009991	Cyp11b2	0	1	-2.20807	0.385992	0.0441791	No change
NM_009993	Cyp1a2	0	1	-1.47111	0.0736712	0	No change
NM_009996	Cyp24a1	0	1	-2.47111	0.105724	0	No change
NM_009997	Cyp2a4	0	1	-0.886145	0.0406373	0	No change
NM_009999	Cyp2b10	0	1	-0.623111	0.148917	0.0766998	No change
NM_010000	Cyp2b9	0	1	0.113855	0	0	No change
NM_010001	Cyp2c37	0	1	0.113855	0	0	No change
NM_010002	Cyp2c38	0	1	-0.886145	0.0242917	0	No change
NM_010003	Cyp2c39	0	1	1.11385	0	0.0386597	No change
NM_010004	Cyp2c40	0	1	0.698817	0.0386968	0.0797235	No change
NM_010005	Cyp2d10	0	1	-2.47111	0.211575	0	No change

NM_010006	Cyp2d9	0	1	0.113855	0.0422126	0.0434833	No change
NM_010007	Cyp2j5	0	1	0.113855	0	0	No change
NM_010009	Cyp27b1	0	1	1.43578	0.0863605	0.266881	No change
NM_010010	Cyp46a1	0	1	-1.07057	0.789722	0.338956	No change
NM_010011	Cyp4a10	0	1	0.113855	0	0	No change
NM_010012	Cyp8b1	0	1	1.69882	0	0.0736318	No change
NM_010019	Dapk2	0	1	0.661343	0.472762	0.73049	No change
NM_010020	Slc6a3	0	1	1.11385	0	0.0207729	No change
NM_010039	Defa4	0	1	0.113855	0	0	No change
NM_010045	Darc	0	1	0.891462	0.361103	0.681952	No change
NM_010049	Dhfr	0	1	0.416924	1.00126	1.27568	No change
NM_010051	Dkk1	0	1	0.365394	0.623093	0.770221	No change
NM_010053	Dlx1	0	1	-1.47111	0.0501568	0	No change
NM_010054	Dlx2	0	1	0.113855	0	0	No change
NM_010055	Dlx3	0	1	-0.208073	0.107055	0.0827085	No change
NM_010057	Dlx6	0	1	-1.47111	0.520582	0.134063	No change
NM_010061	Dnase1	0	1	-0.000316209	4.85981	4.62103	No change
NM_010067	Trdmt1	0	1	0.00492044	2.88075	2.74967	No change
NM_010071	Dok2	0	1	-0.301183	0.771209	0.585366	No change
NM_010076	Drd1a	0	1	0.113855	0.0197542	0.0203489	No change
NM_010077	Drd2	0	1	-2.88615	0.314945	0	No change
NM_010078	Drp2	0	1	-0.973608	0.329352	0.154212	No change
NM_010080	Dspp	0	1	0.113855	0	0	No change
NM_010088	Prl8a2	0	1	0.113855	0	0	No change
NM_010089	Usp1715	0	1	0.113855	0	0	No change
NM_010090	Dusp2	0	1	-0.0560702	0.73225	0.665553	No change
NM_010094	Lefty1	0	1	-0.301183	0.304146	0.223787	No change
NM_010101	S1pr3	0	1	0.20827	3.20177	3.5223	No change
NM_010102	S1pr4	0	1	0.528892	0.145618	0.210003	No change
NM_010104	Edn1	0	1	-0.0612319	1.0109	0.918826	No change
NM_010108	Efna3	0	1	-0.581291	1.87744	1.1721	No change
NM_010109	Efna5	0	1	0.92121	0.201891	0.374345	No change
NM_010110	Efnb1	0	1	0.201318	3.74348	4.09856	No change
NM_010114	Klk1b22	0	1	-0.886145	0.0872252	0	No change
NM_010124	Eif4ebp2	0	1	0.25698	6.32153	7.19518	No change
NM_010130	Emr1	0	1	0.302616	1.97589	2.32297	No change
NM_010131	Emx1	0	1	0.113855	0	0	No change
NM_010133	En1	0	1	-0.886145	0.0272878	0	No change
NM_010134	En2	0	1	-1.47111	0.0985198	0.0202971	No change
NM_010139	Epha2	0	1	-0.574201	0.499463	0.312374	No change
NM_010140	Epha3	0	1	-0.760614	0.560627	0.306799	No change
NM_010147	Epn1	0	1	0.108002	13.782	14.1393	No change
NM_010148	Epn2	0	1	-0.0291798	12.965	12.0931	No change
NM_010149	Epor	0	1	-1.24872	0.647775	0.235509	No change
NM_010151	Nr2f1	0	1	1.49237	0.114721	0.354523	No change
NM_010158	Khdrbs3	0	1	0.16852	18.0767	19.3415	No change
NM_010168	F2	0	1	-1.47111	0.0701136	0	No change
NM_010169	F2r	0	1	0.125827	2.51622	2.61375	No change
NM_010171	F3	0	1	0.330347	3.86357	4.63044	No change
NM_010175	Fadd	0	1	0.449458	2.01481	2.62558	No change
NM_010180	Fbln1	0	1	0.326849	0.892169	1.06864	No change
NM_010183	Fbrs	0	1	-0.298839	5.36504	4.14491	No change
NM_010184	Fcer1a	0	1	1.11385	0	0.0699717	No change
NM_010185	Fcer1g	0	1	-0.0295094	7.73189	7.20092	No change
NM_010190	Fcnb	0	1	0.113855	0	0	No change
NM_010194	Fes	0	1	0.113855	0.933613	0.961718	No change
NM_010198	Fgf11	0	1	1.33625	0.51396	1.37652	No change
NM_010200	Fgf13	0	1	-0.108538	0.167733	0.143985	No change
NM_010202	Fgf4	0	1	0.113855	0	0	No change
NM_010203	Fgf5	0	1	0.113855	0	0	No change
NM_010204	Fgf6	0	1	0.113855	0	0	No change
NM_010210	Fhit	0	1	-0.0737722	2.82444	2.54578	No change
NM_010213	Fhl3	0	1	0.201318	0.620412	0.681695	No change
NM_010216	Figf	0	1	0.521513	1.78319	2.44916	No change
NM_010217	Ctgf	0	1	0.28806	5.39671	6.27648	No change
NM_010225	Foxf2	0	1	0.113855	0	0	No change
NM_010226	Foxs1	0	1	-0.234068	1.43532	1.14997	No change
NM_010228	Flt1	0	1	0.300623	1.35391	1.589	No change
NM_010231	Fmo1	0	1	0.269506	2.33708	2.68522	No change
NM_010233	Fn1	0	1	0.0925862	1.71046	1.73604	No change
NM_010234	Fos	0	1	0.22177	3.39641	3.77306	No change
NM_010235	Fosl1	0	1	-0.208073	0.776637	0.631592	No change
NM_010243	Fut9	0	1	0.34832	0.191815	0.233515	No change
NM_010244	Fv1	0	1	-0.349117	5.10072	3.79764	No change
NM_010247	Xrcc6	0	1	-0.0352886	7.35519	6.82915	No change
NM_010252	Gabrg1	0	1	0.113855	0	0	No change

NM_010254	Galr2	0	1	0.409311	0.754408	0.962147	No change
NM_010257	Gast	0	1	0.113855	0	0	No change
NM_010259	Gbp1	0	1	-1.20807	0.0988552	0.0254578	No change
NM_010260	Gbp2	0	1	0.156499	2.81043	2.98276	No change
NM_010262	Gbx2	0	1	1.69882	0	0.0675362	No change
NM_010269	Gdap2	0	1	0.0500083	5.5832	5.50122	No change
NM_010272	Gdf11	0	1	-0.0116761	0.423314	0.396416	No change
NM_010275	Gdnf	0	1	0.461778	0.417085	0.552396	No change
NM_010276	Gem	0	1	-0.141402	4.53915	3.9124	No change
NM_010280	Gfra3	0	1	0.113855	0.0349864	0.0360396	No change
NM_010285	Ghrh	0	1	-0.886145	0.134803	0	No change
NM_010287	Gpr83	0	1	0.113855	0.0309471	0.0318788	No change
NM_010289	Gja10	0	1	-2.47111	0.229555	0	No change
NM_010290	Gjd2	0	1	-1.88615	0.072622	0	No change
NM_010297	Glra4	0	1	0.698817	0.345748	0.559674	No change
NM_010304	Gna15	0	1	-0.371572	0.71079	0.512531	No change
NM_010307	Gnal	0	1	0.266934	1.77502	2.03467	No change
NM_010311	Gnaz	0	1	0.504645	1.25934	1.71001	No change
NM_010312	Gnb2	0	1	0.0625938	64.5223	64.143	No change
NM_010313	Gnb5	0	1	0.679452	1.41031	2.17915	No change
NM_010314	Gngt1	0	1	0.113855	0	0	No change
NM_010317	Gng4	0	1	0.361782	1.85503	2.2737	No change
NM_010320	Gng8	0	1	0.961852	0.303013	0.624269	No change
NM_010323	Gnrhr	0	1	1.11385	0	0.0594789	No change
NM_010324	Got1	0	1	0.3065	7.0811	8.34129	No change
NM_010326	Gp1ba	0	1	-0.141402	0.919365	0.789201	No change
NM_010331	Gpaa1	0	1	0.393315	4.44994	5.57121	No change
NM_010332	Ednra	0	1	-0.427854	2.18089	1.53711	No change
NM_010333	S1pr2	0	1	0.587786	0.86652	1.24965	No change
NM_010340	Gpr50	0	1	0.528892	0.0773936	0.119585	No change
NM_010342	Npbwr1	0	1	0.113855	0.0566302	0.058335	No change
NM_010348	Grik1	0	1	-1.10854	0.117033	0.0401853	No change
NM_010350	Grin2c	0	1	-3.20807	0.128138	0	No change
NM_010351	Gsc	0	1	-1.88615	0.415546	0.0611507	No change
NM_010359	Gstm3	0	1	0.364987	8.17529	10.034	No change
NM_010361	Gstt2	0	1	0.194586	21.1622	23.057	No change
NM_010362	Gsto1	0	1	0.34832	4.0219	4.885	No change
NM_010363	Gstz1	0	1	0.173131	19.0225	20.4188	No change
NM_010369	Gypa	0	1	-0.886145	0.114438	0.0392945	No change
NM_010370	Gzma	0	1	-1.05607	0.635015	0.245299	No change
NM_010371	Gzmc	0	1	1.11385	0	0.076864	No change
NM_010372	Gzmd	0	1	0.113855	0	0	No change
NM_010373	Gzme	0	1	0.113855	0	0	No change
NM_010374	Gzmf	0	1	-0.886145	0.0766699	0	No change
NM_010375	Gzmg	0	1	0.113855	0	0	No change
NM_010378	H2-Aa	0	1	-0.0458368	57.1756	52.7183	No change
NM_010381	H2-Ea-ps	0	1	0.113855	0	0	No change
NM_010386	H2-DMa	0	1	0.376889	7.94196	9.83564	No change
NM_010389	H2-Ob	0	1	0.113855	0.182716	0.188216	No change
NM_010391	H2-Q10	0	1	0.698817	0.0473136	0.0974759	No change
NM_010392	H2-Q2	0	1	-0.185705	0.951223	0.783887	No change
NM_010402	Hand2	0	1	-0.208073	0.12473	0.0963637	No change
NM_010403	Hao1	0	1	-2.88615	0.240439	0	No change
NM_010405	Hba-x	0	1	0.113855	0	0	No change
NM_010406	Hc	0	1	-1.88615	0.0895467	0.0131775	No change
NM_010408	Hcn1	0	1	-0.886145	0.0969059	0.0453741	No change
NM_010410	Hcrt	0	1	-1.47111	0.238674	0	No change
NM_010414	Htt	0	1	-0.0667174	6.09536	5.53953	No change
NM_010419	Hes5	0	1	-1.47111	0.273735	0.0563951	No change
NM_010420	Hesx1	0	1	0.113855	0	0	No change
NM_010421	Hexa	0	1	0.15133	17.0028	17.9766	No change
NM_010423	Hey1	0	1	-0.793036	1.3907	0.74884	No change
NM_010425	Foxd3	0	1	-0.886145	0.0293691	0	No change
NM_010426	Foxf1a	0	1	1.11385	0.0656242	0.202799	No change
NM_010427	Hgf	0	1	0.0497245	0.556532	0.547227	No change
NM_010442	Hmox1	0	1	0.137314	2.65328	2.77871	No change
NM_010444	Nr4a1	0	1	0.327159	5.09468	6.0889	No change
NM_010446	Foxa2	0	1	0.113855	0	0	No change
NM_010449	Hoxa1	0	1	1.69882	0.0845104	0.3192	No change
NM_010450	Hoxa11	0	1	0.528892	0.0621149	0.0959772	No change
NM_010451	Hoxa2	0	1	0.654423	0.870643	1.32393	No change
NM_010452	Hoxa3	0	1	0.215734	1.09623	1.21393	No change
NM_010454	Hoxa6	0	1	0.872847	1.19645	2.15681	No change
NM_010455	Hoxa7	0	1	1.02075	0.535825	1.06711	No change
NM_010456	Hoxa9	0	1	-0.679694	0.766868	0.442374	No change
NM_010462	Hoxc10	0	1	0.113855	0	0	No change

NM_010463	Hoxc12	0	1	0.113855	0	0	No change
NM_010464	Hoxc13	0	1	0.113855	0	0	No change
NM_010465	Hoxc6	0	1	0.528892	1.53219	2.11946	No change
NM_010467	Hoxd1	0	1	0.92121	0.262004	0.501226	No change
NM_010473	Hrc	0	1	-0.14918	0.143401	0.118174	No change
NM_010474	Hs3st1	0	1	0.535681	2.15076	2.98241	No change
NM_010475	Hsd17b1	0	1	-0.886145	0.370426	0.163533	No change
NM_010479	Hspa1a	0	1	0.00339816	12.479	11.9053	No change
NM_010482	Htr1b	0	1	0.113855	0.0600284	0.0618355	No change
NM_010484	Slc6a4	0	1	-1.47111	0.202965	0.0522686	No change
NM_010485	Elavl1	0	1	-0.0871579	13.4069	12.0128	No change
NM_010493	Icam1	0	1	0.414364	2.5802	3.27993	No change
NM_010494	Icam2	0	1	0.22077	0.732325	0.817235	No change
NM_010501	Ifit3	0	1	0.264721	4.39505	5.0304	No change
NM_010502	Ifna1	0	1	0.113855	0	0	No change
NM_010503	Ifna2	0	1	0.113855	0	0	No change
NM_010504	Ifna4	0	1	0.113855	0	0	No change
NM_010505	Ifna5	0	1	0.113855	0	0	No change
NM_010507	Ifna9	0	1	0.113855	0	0	No change
NM_010510	Ifnb1	0	1	0.113855	0	0	No change
NM_010516	Cyr61	0	1	0.224038	2.13065	2.37179	No change
NM_010517	Igfbp4	0	1	0.255211	6.84785	7.78373	No change
NM_010518	Igfbp5	0	1	0.245452	2.10722	2.37913	No change
NM_010531	Il18bp	0	1	0.0376192	6.7108	6.55438	No change
NM_010544	Ilhh	0	1	0.611354	0.456255	0.675611	No change
NM_010548	Il10	0	1	-2.20807	0.213455	0	No change
NM_010551	Il16	0	1	-0.341825	1.32709	0.9929	No change
NM_010552	Il17a	0	1	-0.886145	0.0595157	0	No change
NM_010553	Il18rap	0	1	0.336247	0.140453	0.173618	No change
NM_010554	Il1a	0	1	-0.765851	1.58874	0.872839	No change
NM_010555	Il1r2	0	1	0.113855	0.0518935	0.0534557	No change
NM_010556	Il3	0	1	-1.02365	0.820883	0.338238	No change
NM_010558	Il5	0	1	1.11385	0.0908643	0.233999	No change
NM_010565	Inhbc	0	1	0.113855	0	0	No change
NM_010569	Invs	0	1	-0.150073	3.98457	3.41619	No change
NM_010570	Irs1	0	1	0.349922	1.01919	1.23791	No change
NM_010571	Irs3	0	1	0.599282	0.119286	0.184316	No change
NM_010574	Irx2	0	1	0.243915	1.47139	1.66142	No change
NM_010577	Irga5	0	1	0.00693961	0.430992	0.41108	No change
NM_010583	Irk	0	1	0.376889	0.228394	0.285685	No change
NM_010584	Irln1	0	1	0.113855	0	0	No change
NM_010585	Irtpr1	0	1	0.160397	5.15904	5.48883	No change
NM_010593	Jup	0	1	0.106902	11.5622	11.8529	No change
NM_010594	Kap	0	1	-2.05607	0.917012	0.118077	No change
NM_010596	Kcna7	0	1	0.113855	0.259304	0.26711	No change
NM_010604	Kcnj16	0	1	0.0687669	1.23146	1.22889	No change
NM_010608	Kcnk3	0	1	-1.10854	0.237797	0.0942139	No change
NM_010609	Kcnk7	0	1	-1.65168	0.998287	0.257085	No change
NM_010610	Kcnma1	0	1	0.258535	3.25629	3.70965	No change
NM_010612	Kdr	0	1	0.146719	2.76366	2.91276	No change
NM_010613	Khsrp	0	1	0.101255	10.0034	10.2148	No change
NM_010616	Kif12	0	1	-1.79304	0.433645	0.0957213	No change
NM_010630	Kifc2	0	1	-0.256514	1.15305	0.913662	No change
NM_010635	Kif1	0	1	0.3065	0.272593	0.327599	No change
NM_010636	Kif12	0	1	-0.222194	0.924213	0.751607	No change
NM_010638	Kif9	0	1	-0.0910616	10.7861	9.63667	No change
NM_010640	Klik1b11	0	1	-1.88615	0.242833	0	No change
NM_010645	Klik1b1	0	1	0.113855	0	0	No change
NM_010646	Klra12	0	1	1.11385	0	0.0828039	No change
NM_010648	Klra3	0	1	-0.886145	0.0539419	0	No change
NM_010649	Klra4	0	1	0.113855	0	0	No change
NM_010651	Klra9	0	1	0.113855	0.233477	0.240506	No change
NM_010654	Klrd1	0	1	0.113855	0	0	No change
NM_010657	Hivep3	0	1	0.296719	0.278123	0.326286	No change
NM_010658	Mafb	0	1	-0.634606	0.843143	0.508405	No change
NM_010659	Krt31	0	1	-0.886145	0.0440816	0	No change
NM_010660	Krt10	0	1	0.265858	1.7648	2.02373	No change
NM_010661	Krt12	0	1	1.11385	0	0.0387222	No change
NM_010662	Krt13	0	1	0.476425	0.318233	0.437084	No change
NM_010666	Krt27	0	1	0.113855	0	0	No change
NM_010667	Krt86	0	1	1.69882	0	0.0732561	No change
NM_010668	Krt2	0	1	0.113855	0	0	No change
NM_010669	Krt6b	0	1	0.113855	0	0	No change
NM_010670	Krtap12-1	0	1	0.113855	0	0	No change
NM_010671	Krtap13	0	1	0.113855	0	0	No change
NM_010672	Krtap6-1	0	1	-0.886145	0.117328	0	No change

NM_010673	Krtap6-2	0	1	0.113855	0	0	No change
NM_010675	Krtap8-1	0	1	0.113855	0.120368	0.123991	No change
NM_010676	Krtap8-2	0	1	0.113855	0	0	No change
NM_010678	Aff3	0	1	-0.345577	1.39154	1.03924	No change
NM_010679	Lalba	0	1	0.113855	0	0	No change
NM_010681	Lama4	0	1	0.237844	0.887588	0.997427	No change
NM_010687	Large	0	1	0.0635816	2.75429	2.73937	No change
NM_010691	Lbx1	0	1	0.113855	0	0	No change
NM_010692	Lbx2	0	1	-2.47111	0.426517	0	No change
NM_010694	Lcn3	0	1	0.698817	0.10189	0.209915	No change
NM_010695	Lcn4	0	1	0.113855	0	0	No change
NM_010696	Lcp2	0	1	-0.321361	1.97755	1.50101	No change
NM_010701	Lect1	0	1	-1.05607	0.388261	0.149981	No change
NM_010702	Lect2	0	1	0.113855	0	0	No change
NM_010704	Lepr	0	1	0.484223	0.818232	1.09572	No change
NM_010706	Lgals4	0	1	-0.679694	2.86409	1.67763	No change
NM_010707	Lgals6	0	1	-0.815756	3.01668	1.59358	No change
NM_010712	Lhx4	0	1	0.325359	0.677727	0.814484	No change
NM_010713	Lhx8	0	1	-2.6935	0.211511	0	No change
NM_010717	Limk1	0	1	-0.383645	2.49577	1.81476	No change
NM_010721	Lmnb1	0	1	0.0250455	1.61735	1.56506	No change
NM_010725	Lmx1b	0	1	0.113855	0	0	No change
NM_010728	Lox	0	1	0.313164	0.502779	0.597594	No change
NM_010732	Lrrn2	0	1	0.682139	0.583205	0.901142	No change
NM_010734	Lst1	0	1	-0.248715	1.34025	1.03545	No change
NM_010735	Lta	0	1	0.113855	0	0	No change
NM_010739	Muc13	0	1	2.69882	0	0.120901	No change
NM_010745	Ly86	0	1	0.60366	3.21552	4.68045	No change
NM_010746	Ncr1	0	1	2.92121	0	0.294426	No change
NM_010748	Lyst	0	1	0.0113072	4.03777	3.87353	No change
NM_010750	Mab2111	0	1	0.28378	0.978411	1.13708	No change
NM_010753	Mxd4	0	1	-0.0469778	40.8463	37.6309	No change
NM_010755	Maff	0	1	0.393963	1.04539	1.31617	No change
NM_010757	Mafk	0	1	-0.0100578	5.97016	5.64163	No change
NM_010765	Mapkapk5	0	1	-0.165347	10.7317	9.10393	No change
NM_010766	Marco	0	1	-1.30118	0.245769	0.0723335	No change
NM_010767	Masp2	0	1	0.113855	0.0936733	0.0964932	No change
NM_010768	Matk	0	1	-1.10854	0.522496	0.20701	No change
NM_010769	Matn1	0	1	0.113855	0	0	No change
NM_010770	Matn3	0	1	-0.886145	0.0231231	0	No change
NM_010772	Maz	0	1	-0.154634	13.9915	11.9601	No change
NM_010775	Mbl1	0	1	0.113855	0	0	No change
NM_010776	Mbl2	0	1	0.113855	0	0	No change
NM_010779	Mcpt4	0	1	-0.301183	0.211191	0.145032	No change
NM_010780	Cma1	0	1	0.113855	0.0647704	0.0667202	No change
NM_010781	Tpsb2	0	1	0.113855	0.064056	0.0659843	No change
NM_010782	Mcpt9	0	1	0.113855	0	0	No change
NM_010795	Mgat3	0	1	-0.000101379	1.16528	1.10803	No change
NM_010797	Mid1	0	1	0.712492	0.621769	0.979567	No change
NM_010799	Minpp1	0	1	0.185113	8.38231	9.07324	No change
NM_010800	Bhlha15	0	1	-0.77923	0.239358	0.123282	No change
NM_010809	Mmp3	0	1	-0.886145	0.0387183	0	No change
NM_010814	Mog	0	1	-0.471108	0.0816555	0.0420568	No change
NM_010815	Grap2	0	1	-0.127153	0.286507	0.245944	No change
NM_010817	Psmc7	0	1	0.0291045	27.4416	26.6524	No change
NM_010820	Mpdz	0	1	-0.18857	3.2273	2.69395	No change
NM_010821	Mpeg1	0	1	0.152458	9.46705	10.017	No change
NM_010827	Msc	0	1	1.11385	0	0.0418606	No change
NM_010828	Cited2	0	1	-0.180593	2.26529	1.89595	No change
NM_010831	Sik1	0	1	0.227961	3.74045	4.17149	No change
NM_010833	Msn	0	1	0.191074	5.26327	5.72084	No change
NM_010834	Mstn	0	1	-1.88615	0.0779563	0	No change
NM_010835	Msx1	0	1	0.85082	0.288733	0.520494	No change
NM_010836	Msx3	0	1	-2.6935	0.182841	0	No change
NM_010844	Muc5ac	0	1	-1.47111	0.0163887	0	No change
NM_010850	Mycs	0	1	-2.47111	0.14753	0	No change
NM_010855	Myh4	0	1	0.113855	0	0	No change
NM_010859	Myl3	0	1	-0.886145	0.0776091	0	No change
NM_010861	Myl2	0	1	0.113855	0	0	No change
NM_010866	Myod1	0	1	0.113855	0	0	No change
NM_010870	Naip5	0	1	0.263602	0.829678	0.949616	No change
NM_010871	Naip6	0	1	0.256299	1.09139	1.24202	No change
NM_010882	Ndn	0	1	0.476425	2.91267	3.87002	No change
NM_010883	Ndp	0	1	0.92121	0.108443	0.223416	No change
NM_010887	Ndufs4	0	1	0.0351595	36.7546	35.8487	No change
NM_010888	Ndufs6	0	1	0.140007	45.0387	47.2458	No change

NM_010894	Neurod1	0	1	0.113855	0	0	No change
NM_010895	Neurod2	0	1	0.113855	0	0	No change
NM_010896	Neurog1	0	1	-1.47111	0.0837152	0	No change
NM_010904	Nefh	0	1	-0.788848	0.733242	0.395642	No change
NM_010909	Nfkbil1	0	1	-0.165528	6.68483	5.66514	No change
NM_010910	Nefl	0	1	0.113855	0	0	No change
NM_010911	Nfs1	0	1	0.0728047	20.5379	20.5617	No change
NM_010915	Klk1b4	0	1	-1.20807	0.332267	0.0855673	No change
NM_010916	Nhlh1	0	1	-0.886145	0.0280229	0	No change
NM_010917	Nid1	0	1	-0.0347893	4.93361	4.58341	No change
NM_010918	Nktr	0	1	0.0271432	35.7555	34.6828	No change
NM_010921	Nkx3-1	0	1	-0.383645	0.510978	0.366164	No change
NM_010922	Mrpl40	0	1	0.147149	16.9113	17.8287	No change
NM_010923	Nnat	0	1	0.783706	1.20955	2.01727	No change
NM_010924	Nnmt	0	1	-1.60235	1.60717	0.451516	No change
NM_010927	Nos2	0	1	-0.886145	0.0174669	0	No change
NM_010929	Notch4	0	1	0.354863	0.802039	0.978375	No change
NM_010930	Nov	0	1	0.698817	0.0294685	0.0607112	No change
NM_010933	Nppc	0	1	0.113855	0	0	No change
NM_010935	Npy6r	0	1	0.166322	0.705889	0.755106	No change
NM_010945	Nsmaf	0	1	-0.0146054	19.5744	18.4442	No change
NM_010946	Ntan1	0	1	0.240452	20.4586	23.0131	No change
NM_010948	Nudc	0	1	-0.119942	32.8028	28.727	No change
NM_010950	Numb1	0	1	0.113855	1.35153	1.39221	No change
NM_010951	Gpr143	0	1	0.113855	0	0	No change
NM_010953	Oc90	0	1	-1.88615	0.271179	0.039906	No change
NM_010957	Ogg1	0	1	-0.445573	5.01356	3.48952	No change
NM_010970	Olfir23	0	1	-2.88615	0.498825	0	No change
NM_010974	Olfir242	0	1	-1.47111	0.152002	0	No change
NM_010980	Olfir32	0	1	-1.47111	0.150362	0	No change
NM_010983	Olfir2	0	1	0.113855	0	0	No change
NM_010984	Olfir263-ps1	0	1	0.113855	0	0	No change
NM_010990	Olfir48	0	1	0.113855	0	0	No change
NM_010991	Olfir49	0	1	0.113855	0.270652	0.2788	No change
NM_010997	Olfir54	0	1	0.113855	0	0	No change
NM_010998	Olfir55	0	1	-0.886145	0.0735158	0	No change
NM_010999	Olfir56	0	1	2.43578	0	0.14879	No change
NM_011001	Olfir58	0	1	0.113855	0	0	No change
NM_011002	Olfir59	0	1	0.113855	0	0	No change
NM_011016	Orm2	0	1	-2.88615	0.630298	0	No change
NM_011021	Otp	0	1	0.113855	0	0	No change
NM_011023	Otx1	0	1	-1.47111	0.0493401	0	No change
NM_011025	Oxt	0	1	0.113855	0	0	No change
NM_011036	Reg3b	0	1	1.11385	0	0.0945863	No change
NM_011037	Pax2	0	1	0.353321	1.63469	1.99222	No change
NM_011039	Pax7	0	1	0.113855	0	0	No change
NM_011044	Pck1	0	1	0.113855	0.133205	0.137215	No change
NM_011053	Pdcd11	0	1	0.118129	3.87503	4.00357	No change
NM_011057	Pdgfb	0	1	0.395626	2.39259	3.00146	No change
NM_011059	Padi1	0	1	-0.0236487	0.185551	0.172023	No change
NM_011061	Padi4	0	1	-1.00162	0.316786	0.135968	No change
NM_011066	Per2	0	1	0.183117	1.44472	1.56201	No change
NM_011068	Pex11a	0	1	-0.0737722	6.42222	5.79882	No change
NM_011070	Pfdn2	0	1	0.222108	8.51554	9.4644	No change
NM_011073	Prf1	0	1	-0.208073	0.135721	0.104855	No change
NM_011074	Cdk14	0	1	0.259194	3.0653	3.4938	No change
NM_011075	Abcb1b	0	1	0.723908	0.288783	0.462741	No change
NM_011076	Abcb1a	0	1	0.3065	1.35829	1.60112	No change
NM_011079	Phkg1	0	1	0.113855	0.295309	0.304199	No change
NM_011081	Piga	0	1	0.20027	6.26519	6.85341	No change
NM_011082	Pigr	0	1	-0.208073	0.0724271	0.0559556	No change
NM_011088	Pira11	0	1	-1.37157	0.895626	0.307529	No change
NM_011090	Lilra6	0	1	-0.301183	0.201258	0.148084	No change
NM_011095	Lilrb3	0	1	0.010019	1.81386	1.73688	No change
NM_011097	Pitx1	0	1	0.698817	0.0284693	0.0586528	No change
NM_011101	Prkca	0	1	0.262499	1.06592	1.2181	No change
NM_011102	Prkcc	0	1	-2.20807	0.103671	0	No change
NM_011107	Pla2g1b	0	1	0.113855	0	0	No change
NM_011109	Pla2g2d	0	1	-0.371572	0.615662	0.443937	No change
NM_011112	Papola	0	1	0.0383174	17.5624	17.1674	No change
NM_011113	Plaur	0	1	1.69882	0.0998466	0.41141	No change
NM_011118	Pr12c3	0	1	-0.208073	0.736193	0.589832	No change
NM_011119	Pa2g4	0	1	-0.0621854	32.1527	29.3127	No change
NM_011120	Pr17d1	0	1	0.113855	0	0	No change
NM_011126	Plunc	0	1	-0.886145	0.0631277	0	No change
NM_011128	Pnliprp2	0	1	-0.886145	0.044447	0	No change

NM_011133	Pole2	0	1	0.135881	2.63147	2.75305	No change
NM_011134	Pon1	0	1	0.113855	0	0	No change
NM_011136	Pou2af1	0	1	-1.47111	0.298762	0.0839333	No change
NM_011137	Pou2f1	0	1	-0.307181	6.29282	4.83468	No change
NM_011139	Pou2f3	0	1	-2.47111	0.13817	0	No change
NM_011143	Pou4f1	0	1	0.435783	0.0550642	0.0756292	No change
NM_011148	Ppef2	0	1	-0.886145	0.153239	0.0631407	No change
NM_011150	Lgals3bp	0	1	0.162875	13.9193	14.835	No change
NM_011153	Gsbs	0	1	0.113855	0.0400995	0.0413067	No change
NM_011155	Ppp5c	0	1	-0.0971328	14.8211	13.1854	No change
NM_011165	Prl4a1	0	1	0.113855	0	0	No change
NM_011166	Prl6a1	0	1	-1.47111	0.160583	0	No change
NM_011167	Prl8a6	0	1	0.113855	0	0	No change
NM_011168	Prl7a2	0	1	0.113855	0	0	No change
NM_011169	Prlr	0	1	0.0744401	4.75056	4.7615	No change
NM_011171	Procr	0	1	0.654423	0.463384	0.716	No change
NM_011173	Pros1	0	1	0.118067	7.26767	7.50841	No change
NM_011174	Prh1	0	1	0.113855	0	0	No change
NM_011178	Prtn3	0	1	0.113855	0.215545	0.222034	No change
NM_011184	Psma3	0	1	0.162764	14.184	15.1165	No change
NM_011187	Psmb7	0	1	0.12413	100.548	104.315	No change
NM_011192	Psme3	0	1	-0.202232	13.0924	10.8276	No change
NM_011195	Ptcra	0	1	-1.6935	0.325922	0.0559556	No change
NM_011196	Ptger3	0	1	0.376889	0.138143	0.177877	No change
NM_011198	Ptgs2	0	1	0.494945	0.706177	0.952594	No change
NM_011201	Ptpn1	0	1	-0.0796676	7.75836	6.98654	No change
NM_011206	Ptpn18	0	1	0.528892	0.487363	0.684593	No change
NM_011223	Pxn	0	1	0.0897759	13.7151	13.8938	No change
NM_011224	Pygm	0	1	-0.220564	0.686147	0.555345	No change
NM_011228	Rab33a	0	1	0.113855	0.0716269	0.0737831	No change
NM_011232	Rad1	0	1	0.113855	2.60187	2.6802	No change
NM_011242	Rasgrp2	0	1	0.239386	0.317797	0.360101	No change
NM_011243	Rarb	0	1	0.113855	0.954698	0.983438	No change
NM_011246	Rasgrp1	0	1	-0.770668	0.313994	0.168754	No change
NM_011250	Rbl2	0	1	-0.036439	14.6857	13.6297	No change
NM_011259	Reg3a	0	1	0.113855	0	0	No change
NM_011260	Reg3g	0	1	0.113855	0	0	No change
NM_011261	Reln	0	1	0.113855	2.35924	2.43026	No change
NM_011264	Rev3l	0	1	-0.00113258	16.0297	15.2467	No change
NM_011267	Rgs16	0	1	0.239386	0.298471	0.338202	No change
NM_011269	Rhag	0	1	1.11385	0	0.0309978	No change
NM_011270	Rhd	0	1	0.3065	0.276194	0.331927	No change
NM_011271	Rnase1	0	1	0.113855	0.0718484	0.0740113	No change
NM_011272	Rln1	0	1	0.113855	0.0999899	0.103	No change
NM_011280	Trim10	0	1	-0.6935	0.186262	0.0959345	No change
NM_011286	Rph3a	0	1	-3.05607	0.135031	0	No change
NM_011302	Rs1	0	1	-1.60235	0.262542	0.0737578	No change
NM_011308	Ncor1	0	1	0.0707715	23.8423	23.8372	No change
NM_011310	S100a3	0	1	0.113855	0	0	No change
NM_011311	S100a4	0	1	-1.16625	2.23464	0.863218	No change
NM_011312	S100a5	0	1	-0.886145	0.161326	0	No change
NM_011314	Saa2	0	1	0.113855	0	0	No change
NM_011315	Saa3	0	1	-1.47111	0.656242	0.1352	No change
NM_011316	Saa4	0	1	-1.88615	0.102843	0	No change
NM_011317	Khdrbs1	0	1	-0.14051	18.9293	16.3429	No change
NM_011318	Apcs	0	1	0.113855	0	0	No change
NM_011321	Sbp	0	1	0.113855	0	0	No change
NM_011322	Scn1b	0	1	0.454892	0.644027	0.852962	No change
NM_011325	Scnn1b	0	1	0.113855	0.289302	0.298012	No change
NM_011326	Scnn1g	0	1	-0.623111	0.0940208	0.0484256	No change
NM_011328	Sct	0	1	0.418709	2.19938	2.83199	No change
NM_011329	Ccl1	0	1	-1.88615	0.414017	0	No change
NM_011330	Ccl11	0	1	-0.0381483	0.584563	0.535254	No change
NM_011331	Ccl12	0	1	0.22077	1.56029	1.7412	No change
NM_011332	Ccl17	0	1	-0.108538	0.813536	0.698356	No change
NM_011333	Ccl2	0	1	0.113855	0.172935	0.178141	No change
NM_011335	Ccl21b	0	1	0.292825	8.80597	10.2805	No change
NM_011337	Ccl3	0	1	0.698817	0.441095	0.726997	No change
NM_011338	Ccl9	0	1	0.413415	0.27803	0.358	No change
NM_011339	Cxcl15	0	1	0.113855	0.0655317	0.0675044	No change
NM_011340	Serpinf1	0	1	0.150197	9.09647	9.61057	No change
NM_011347	Selp	0	1	-0.0787903	0.30407	0.271461	No change
NM_011348	Sema3e	0	1	-0.248715	0.172683	0.136027	No change
NM_011349	Sema3f	0	1	-0.153249	1.43781	1.2272	No change
NM_011355	Sfpi1	0	1	-0.54911	0.94109	0.592424	No change
NM_011359	Sftpc	0	1	-0.886145	0.0867907	0	No change

NM_011364	Sh2d1a	0	1	0.113855	0.0850952	0.0876569	No change
NM_011371	St6galnac1	0	1	0.113855	0	0	No change
NM_011377	Sim2	0	1	0.113855	0	0	No change
NM_011380	Six2	0	1	-3.05607	0.264489	0	No change
NM_011381	Six3	0	1	0.113855	0	0	No change
NM_011384	Six6	0	1	-0.886145	0.017617	0	No change
NM_011390	Slc12a7	0	1	0.262865	2.60839	2.98079	No change
NM_011395	Slc22a3	0	1	-0.608611	0.637375	0.389834	No change
NM_011397	Slc23a1	0	1	0.180969	0.949621	1.02593	No change
NM_011402	Slc34a2	0	1	-0.0859306	14.9604	13.4157	No change
NM_011403	Slc4a1	0	1	-3.20807	0.137854	0	No change
NM_011407	Sfn1	0	1	0.528892	0.300239	0.425256	No change
NM_011408	Sfn2	0	1	-0.154078	2.4292	2.07089	No change
NM_011410	Sfn4	0	1	-0.623111	0.0704325	0.0362764	No change
NM_011415	Snai2	0	1	-0.471108	1.00502	0.678284	No change
NM_011420	Smn1	0	1	0.0726321	3.97596	3.97864	No change
NM_011422	Smr3a	0	1	0.113855	0	0	No change
NM_011426	Siglec1	0	1	-0.275557	1.00388	0.786812	No change
NM_011427	Snai1	0	1	0.435783	0.307598	0.407389	No change
NM_011428	Snap25	0	1	0.113855	0.0328895	0.0338796	No change
NM_011430	Sncg	0	1	0.113855	0.380836	0.3923	No change
NM_011435	Sod3	0	1	-0.538222	2.21518	1.43933	No change
NM_011437	Sox10	0	1	-1.26466	0.308262	0.105847	No change
NM_011440	Sox14	0	1	-2.88615	0.236247	0	No change
NM_011441	Sox17	0	1	-0.0512044	0.80158	0.733965	No change
NM_011443	Sox2	0	1	-0.886145	0.0283766	0	No change
NM_011446	Sox7	0	1	0.320306	0.256067	0.307738	No change
NM_011455	Serpib9g	0	1	0.113855	0	0	No change
NM_011456	Serpib9e	0	1	0.113855	0	0	No change
NM_011458	Serpina3k	0	1	0.113855	0.042187	0.043457	No change
NM_011460	Serpib9d	0	1	-1.47111	0.0663426	0	No change
NM_011461	Spic	0	1	-1.47111	0.110186	0	No change
NM_011463	Spink4	0	1	-0.301183	1.95069	1.46139	No change
NM_011468	Sprr2a1	0	1	0.113855	0.0392968	0.0404798	No change
NM_011469	Sprr2b	0	1	0.113855	0	0	No change
NM_011470	Sprr2d	0	1	0.113855	0	0	No change
NM_011471	Sprr2e	0	1	0.113855	0	0	No change
NM_011472	Sprr2f	0	1	0.113855	0	0	No change
NM_011474	Sprr2h	0	1	0.113855	0	0	No change
NM_011475	Sprr2i	0	1	0.113855	0	0	No change
NM_011477	Sprr2k	0	1	0.113855	0	0	No change
NM_011494	Stk16	0	1	-0.146381	9.92853	8.53529	No change
NM_011505	Stxbp4	0	1	0.026392	1.566	1.51755	No change
NM_011507	Suclg2	0	1	0.0224318	6.94177	6.70973	No change
NM_011510	Abcc8	0	1	-0.127153	0.351842	0.304445	No change
NM_011514	Suv39h1	0	1	0.224886	5.01002	5.57555	No change
NM_011520	Sdc3	0	1	0.073327	5.04615	5.05367	No change
NM_011522	Syngn3	0	1	-1.47111	0.0711515	0	No change
NM_011527	Tal1	0	1	-0.14918	0.18424	0.15528	No change
NM_011530	Tap2	0	1	0.194025	2.91087	3.17149	No change
NM_011536	Tbx4	0	1	-2.47111	0.115731	0	No change
NM_011538	Tbx6	0	1	0.476425	0.243824	0.334885	No change
NM_011539	Tbxas1	0	1	0.599282	0.317106	0.471831	No change
NM_011540	Tcap	0	1	1.11385	0.0735158	0.227187	No change
NM_011542	Tcea3	0	1	0.251358	2.17965	2.47555	No change
NM_011545	Tcf21	0	1	0.242588	4.19632	4.73154	No change
NM_011546	Zeb1	0	1	-0.0683485	3.13872	2.84797	No change
NM_011562	Tdgf1	0	1	-0.471108	0.0723331	0.0372553	No change
NM_011564	Sry	0	1	-0.886145	0.0586641	0	No change
NM_011565	Tead2	0	1	0.0467406	4.31668	4.24297	No change
NM_011574	Cirh1a	0	1	-0.261903	4.83419	3.83055	No change
NM_011575	Tff3	0	1	0.113855	0	0	No change
NM_011577	Tgfb1	0	1	0.464352	1.29801	1.71421	No change
NM_011582	Thbs4	0	1	-2.47111	0.108827	0	No change
NM_011586	Myo18a	0	1	0.278486	2.59536	2.99784	No change
NM_011587	Tie1	0	1	0.382344	1.56311	1.9433	No change
NM_011590	Timm17a	0	1	-0.189695	29.5644	24.661	No change
NM_011600	Tle4	0	1	0.122267	2.60105	2.69512	No change
NM_011604	Tlr6	0	1	0.34518	0.589709	0.71791	No change
NM_011606	Clec3b	0	1	0.464352	2.73994	3.6185	No change
NM_011608	Tnfrsf17	0	1	1.11385	0	0.0884125	No change
NM_011611	Cd40	0	1	0.92121	0.12423	0.255939	No change
NM_011613	Tnfsf11	0	1	-0.471108	0.062365	0.0321212	No change
NM_011614	Tnfsf12	0	1	0.799746	0.905103	1.52566	No change
NM_011616	Cd40lg	0	1	-0.886145	0.0557544	0	No change
NM_011617	Cd70	0	1	-0.886145	0.0827707	0	No change

NM_011618	Tnnt1	0	1	0.761553	2.16391	3.53574	No change
NM_011624	Top3b	0	1	-0.170119	8.14929	6.89038	No change
NM_011629	Nr2c1	0	1	0.0272671	3.73323	3.6205	No change
NM_011636	Plscr1	0	1	0.744621	0.976547	1.57598	No change
NM_011645	Prss3	0	1	0.113855	0	0	No change
NM_011646	Try4	0	1	-2.6935	0.523351	0	No change
NM_011653	Tuba1a	0	1	0.0945413	98.7791	100.399	No change
NM_011656	Tuft1	0	1	0.142088	13.7266	14.4198	No change
NM_011658	Twist1	0	1	-0.471108	0.47032	0.308305	No change
NM_011659	Tnfrsf4	0	1	0.492366	0.543062	0.74588	No change
NM_011661	Tyr	0	1	1.11385	0	0.0217088	No change
NM_011662	Tyrobp	0	1	-0.217351	9.48119	7.73719	No change
NM_011669	Usp12	0	1	0.091487	21.1818	21.4835	No change
NM_011672	Ufd1l	0	1	-0.166797	13.1984	11.1859	No change
NM_011673	Ugcg	0	1	-0.0111578	4.7224	4.45919	No change
NM_011681	Scgb1a1	0	1	1.11385	0	0.1534	No change
NM_011683	Vmn1r51	0	1	-0.886145	0.0295434	0	No change
NM_011684	Vmn1r45	0	1	-0.886145	0.0214506	0	No change
NM_011698	Lin7b	0	1	0.361782	1.46005	1.8048	No change
NM_011703	Vipr1	0	1	-0.0656946	1.3222	1.20091	No change
NM_011704	Vnn1	0	1	-1.62311	0.259618	0.0594296	No change
NM_011706	Trpv2	0	1	-0.351809	0.709343	0.521926	No change
NM_011707	Vtn	0	1	0.294427	0.559141	0.658255	No change
NM_011709	Wap	0	1	0.113855	0.248018	0.255484	No change
NM_011711	Fmnl3	0	1	-0.0653698	6.74958	6.13862	No change
NM_011717	Wiz	0	1	-0.107054	2.642	2.33274	No change
NM_011718	Wnt10b	0	1	0.336247	0.532007	0.644733	No change
NM_011719	Wnt9b	0	1	0.113855	0.0616888	0.0635459	No change
NM_011720	Wnt8b	0	1	-0.208073	0.0825746	0.0637953	No change
NM_011722	Dctn6	0	1	0.0689732	40.0518	39.9914	No change
NM_011725	Xlr	0	1	-0.564217	0.472723	0.27826	No change
NM_011731	Slc6a20b	0	1	-0.101874	0.742091	0.655226	No change
NM_011734	Siae	0	1	0.145448	5.48124	5.77172	No change
NM_011737	Ysk4	0	1	-0.0667174	0.283305	0.255354	No change
NM_011739	Ywhaq	0	1	-0.0727853	72.3684	65.4965	No change
NM_011746	Mkrm3	0	1	0.0773289	1.06715	1.07109	No change
NM_011747	Zfp13	0	1	-0.0639933	12.6092	11.4785	No change
NM_011748	Zfp14	0	1	0.417636	1.25771	1.60404	No change
NM_011764	Zfp90	0	1	0.328449	2.7803	3.3277	No change
NM_011769	Zim1	0	1	1.11385	0.0398132	0.102529	No change
NM_011771	Ikzf3	0	1	-0.940593	0.442171	0.210222	No change
NM_011772	Ikzf4	0	1	0.675734	0.389346	0.6016	No change
NM_011775	Zp2	0	1	0.113855	0	0	No change
NM_011776	Zp3	0	1	-0.886145	0.0529179	0	No change
NM_011779	Coro1c	0	1	0.219267	6.93684	7.68891	No change
NM_011782	Adamts5	0	1	0.231312	1.91776	2.14381	No change
NM_011784	Aplnr	0	1	0.45089	0.351985	0.463298	No change
NM_011786	Aloxe3	0	1	-0.326718	0.494276	0.367724	No change
NM_011789	Apc2	0	1	-0.163679	0.29954	0.253175	No change
NM_011795	C1ql1	0	1	1.11385	0	0.0576172	No change
NM_011798	Xcr1	0	1	-0.0560702	0.125206	0.112854	No change
NM_011812	Fbln5	0	1	0.309579	1.38692	1.63805	No change
NM_011814	Fxr2	0	1	-0.204321	11.24	9.28207	No change
NM_011819	Gdf15	0	1	0.528892	0.128585	0.198684	No change
NM_011820	Ggt5	0	1	0.251358	0.320079	0.364421	No change
NM_011824	Grem1	0	1	0.354863	0.425216	0.52562	No change
NM_011826	Hax1	0	1	-0.18499	28.9503	24.2303	No change
NM_011827	Hcst	0	1	0.85082	0.788382	1.46181	No change
NM_011831	Insl5	0	1	-2.47111	0.508708	0	No change
NM_011832	Insr	0	1	0.258245	0.505417	0.576917	No change
NM_011834	Aadat	0	1	-1.20807	0.156613	0.040332	No change
NM_011835	Katna1	0	1	0.298966	6.55703	7.68467	No change
NM_011838	Lynx1	0	1	-0.239782	1.60477	1.28977	No change
NM_011839	Mab21l2	0	1	0.587786	0.902424	1.30143	No change
NM_011841	Mapk7	0	1	0.0786654	1.95312	1.96284	No change
NM_011846	Mmp17	0	1	-0.284695	0.559301	0.432104	No change
NM_011850	Nr0b2	0	1	0.113855	0.124674	0.128427	No change
NM_011852	Oas1g	0	1	0.393963	1.43372	1.80108	No change
NM_011854	Oasl2	0	1	-0.192807	2.06679	1.71694	No change
NM_011855	Odz1	0	1	-1.20807	0.0333339	0.00858436	No change
NM_011859	Osr1	0	1	0.628428	0.450526	0.678284	No change
NM_011865	Pcbp1	0	1	0.0203905	22.5907	21.8083	No change
NM_011867	Slc26a4	0	1	0.113855	0.0904222	0.0931443	No change
NM_011872	Klk7	0	1	-0.886145	0.0399386	0	No change
NM_011875	Psmd13	0	1	0.210392	12.8417	14.1469	No change
NM_011879	Ik	0	1	-0.0851925	21.3688	19.1706	No change

NM_011881	Grk1	0	1	0.791927	0.0375248	0.0676453	No change
NM_011884	Rngtt	0	1	0.147486	3.54086	3.73389	No change
NM_011886	Scamp3	0	1	0.00888525	5.31397	5.0864	No change
NM_011887	Scn11a	0	1	-3.20807	0.107496	0	No change
NM_011888	Ccl19	0	1	-1.07057	2.3231	0.997097	No change
NM_011891	Sgcd	0	1	0.590293	1.09596	1.59079	No change
NM_011892	Sgcg	0	1	-3.05607	0.158618	0	No change
NM_011899	Srp54a	0	1	0.0753807	40.9757	41.098	No change
NM_011904	Tll2	0	1	-1.88615	0.144806	0.0213093	No change
NM_011905	Tlr2	0	1	0.698817	0.805558	1.25728	No change
NM_011907	Trex2	0	1	0.77682	0.75455	1.27189	No change
NM_011909	Usp18	0	1	0.281312	2.51855	2.91866	No change
NM_011910	Uts2	0	1	0.113855	0	0	No change
NM_011911	Vmn1r49	0	1	0.113855	0	0	No change
NM_011912	Vax2	0	1	-2.6935	0.339138	0	No change
NM_011915	Wif1	0	1	0.528892	0.0621703	0.0960629	No change
NM_011917	Xrn2	0	1	0.103538	8.69351	8.89125	No change
NM_011919	Ing1	0	1	-0.164163	13.4034	11.3824	No change
NM_011920	Abcg2	0	1	-0.19149	4.8122	4.006	No change
NM_011923	Angptl2	0	1	0.305514	3.68296	4.33581	No change
NM_011924	Avpr1b	0	1	0.113855	0	0	No change
NM_011927	Ceacam9	0	1	-0.471108	0.101445	0.0522496	No change
NM_011929	Clcn6	0	1	0.0659203	3.64032	3.62655	No change
NM_011931	Rfwd2	0	1	0.102336	6.91967	7.07118	No change
NM_011937	Gnpda1	0	1	-0.0551843	12.3023	11.2681	No change
NM_011939	Hsf4	0	1	1.11385	0.0884428	0.227763	No change
NM_011942	Lypla2	0	1	0.285466	8.26865	9.59917	No change
NM_011947	Map3k3	0	1	0.122986	6.94938	7.20418	No change
NM_011948	Map3k4	0	1	-0.0598901	6.81822	6.22504	No change
NM_011954	Prl2c4	0	1	-0.208073	0.750283	0.601121	No change
NM_011955	Nubp1	0	1	0.388962	3.86455	4.8243	No change
NM_011957	Creb3l1	0	1	-0.301183	0.583076	0.442569	No change
NM_011960	Parg	0	1	-0.11108	9.00134	7.93135	No change
NM_011962	Plod3	0	1	0.0675612	1.99852	1.99298	No change
NM_011966	Psma4	0	1	0.18292	36.2454	39.1706	No change
NM_011976	Sema4g	0	1	0.435783	1.3443	1.73513	No change
NM_011979	Vnn3	0	1	-0.623111	0.346348	0.198208	No change
NM_011982	Homer1	0	1	0.244111	4.21976	4.76077	No change
NM_011985	Mmp23	0	1	0.391389	1.55521	1.95247	No change
NM_011998	Chst4	0	1	0.113855	0	0	No change
NM_012002	Cops6	0	1	-0.0667174	10.7661	9.77775	No change
NM_012007	Ctsj	0	1	0.113855	0	0	No change
NM_012009	Sh2d1b1	0	1	-1.88615	0.34044	0.0500984	No change
NM_012013	Figla	0	1	-1.20807	0.367288	0.0945863	No change
NM_012014	Gprin1	0	1	-0.208073	0.0673199	0.0520099	No change
NM_012016	Ern2	0	1	0.113855	0.023442	0.0241477	No change
NM_012020	Foxl2	0	1	0.698817	0.0829678	0.142442	No change
NM_012028	St6galnac5	0	1	-0.208073	0.139456	0.10774	No change
NM_012029	Ecsit	0	1	-0.27001	14.9831	11.8182	No change
NM_012030	Slc9a3r1	0	1	0.138035	12.8363	13.4468	No change
NM_012033	Tinag	0	1	-0.14918	0.448842	0.37829	No change
NM_012038	Vsnl1	0	1	0.113855	0.215991	0.222493	No change
NM_012044	Pla2g2e	0	1	0.113855	0	0	No change
NM_012045	Pla2g2f	0	1	0.113855	0	0	No change
NM_012047	Brd7	0	1	-0.119723	19.6434	17.2056	No change
NM_012054	Aoah	0	1	0.421977	0.478168	0.615703	No change
NM_012057	Irf5	0	1	0.189804	1.20564	1.31094	No change
NM_012065	Pde6g	0	1	-0.471108	0.155045	0.0798565	No change
NM_013459	Cfd	0	1	0.528892	0.377535	0.54446	No change
NM_013461	Adra1a	0	1	0.113855	0.859159	0.885023	No change
NM_013462	Adrb3	0	1	0.113855	0.0249349	0.0256855	No change
NM_013465	Ahsg	0	1	-1.88615	0.141845	0	No change
NM_013468	Ankrd1	0	1	2.69882	0	0.203374	No change
NM_013469	Anxa11	0	1	-0.335276	4.5395	3.41719	No change
NM_013473	Anxa8	0	1	0.476425	0.223853	0.307456	No change
NM_013474	Apoa2	0	1	-2.20807	0.535071	0	No change
NM_013479	Bcl2l10	0	1	0.113855	0	0	No change
NM_013482	Btk	0	1	1.11385	0.192446	0.424799	No change
NM_013483	Btn1a1	0	1	-0.886145	0.0202126	0	No change
NM_013484	C2	0	1	-0.239324	9.19926	7.41261	No change
NM_013485	C9	0	1	-1.47111	0.0788828	0	No change
NM_013486	Cd2	0	1	0.45089	1.09657	1.44335	No change
NM_013488	Cd4	0	1	-0.471108	0.653019	0.44072	No change
NM_013489	Cd84	0	1	0.161161	1.24943	1.33067	No change
NM_013490	Chka	0	1	-0.20176	15.4241	12.761	No change
NM_013491	Clcn1	0	1	0.961852	0.078638	0.162011	No change

NM_013500	Hapln1	0	1	0.113855	0.0275739	0.0284039	No change
NM_013501	Cryaa	0	1	-2.20807	0.237051	0	No change
NM_013503	Drd5	0	1	0.113855	0	0	No change
NM_013504	Dsc1	0	1	-2.20807	0.0738468	0	No change
NM_013508	Elk3	0	1	0.199585	2.4032	2.62815	No change
NM_013512	Epb4.114a	0	1	0.271136	3.43671	3.95009	No change
NM_013513	Epb4.2	0	1	-0.208073	0.0802914	0.0620314	No change
NM_013514	Epb4.9	0	1	-1.3336	0.764987	0.27173	No change
NM_013516	Ms4a2	0	1	0.113855	0	0	No change
NM_013517	Fcer2a	0	1	0.961852	0.124396	0.256282	No change
NM_013518	Fgf9	0	1	0.814295	0.252572	0.433625	No change
NM_013519	Foxc2	0	1	1.11385	0	0.026355	No change
NM_013520	Flt3l	0	1	0.271396	1.62077	1.8699	No change
NM_013521	Fpr1	0	1	0.85082	0.105356	0.217055	No change
NM_013522	Frg1	0	1	-0.126725	19.5371	17.024	No change
NM_013523	Fshr	0	1	-3.05607	0.236247	0	No change
NM_013526	Gdf6	0	1	-1.88615	0.0591956	0	No change
NM_013527	Gdf7	0	1	0.113855	0	0	No change
NM_013529	Gfpt2	0	1	0.469999	0.560158	0.745318	No change
NM_013530	Gnb3	0	1	-2.20807	0.151014	0	No change
NM_013531	Gnb4	0	1	0.141336	1.29202	1.35701	No change
NM_013532	Lilrb4	0	1	0.0410985	2.94893	2.88581	No change
NM_013536	Emg1	0	1	0.210285	28.8776	31.8079	No change
NM_013542	Gzmb	0	1	0.389489	0.885927	1.1154	No change
NM_013544	H2-M10.1	0	1	0.113855	0	0	No change
NM_013547	Hgd	0	1	-1.88615	0.122411	0	No change
NM_013553	Hoxc4	0	1	0.628428	0.456888	0.687861	No change
NM_013554	Hoxd10	0	1	-0.722646	0.934953	0.521678	No change
NM_013557	Eif2ak1	0	1	-0.0781788	8.40216	7.57321	No change
NM_013560	Hspb1	0	1	0.298279	10.1105	11.8459	No change
NM_013562	lfrd1	0	1	0.141547	9.86293	10.3575	No change
NM_013563	Il2rg	0	1	-0.638218	1.34025	0.801636	No change
NM_013566	Itgb7	0	1	0.3065	1.43347	1.69141	No change
NM_013568	Kcna6	0	1	-1.20807	0.107422	0.0368852	No change
NM_013569	Kcnh2	0	1	0.188623	3.08756	3.35059	No change
NM_013570	Krt33b	0	1	0.113855	0	0	No change
NM_013571	Ksr1	0	1	-0.108538	0.700174	0.615703	No change
NM_013581	Cog1	0	1	-0.191274	14.2193	11.8506	No change
NM_013586	Lox3	0	1	0.357309	2.32367	2.83689	No change
NM_013590	Lyz1	0	1	0.206964	0.771305	0.851276	No change
NM_013591	Madcam1	0	1	-2.20807	0.441716	0.050557	No change
NM_013592	Matn4	0	1	1.11385	0	0.031227	No change
NM_013595	Mbd3	0	1	-0.142193	18.0263	15.5419	No change
NM_013596	Mc5r	0	1	0.92121	0.17993	0.370693	No change
NM_013598	Kitl	0	1	-0.204922	4.37339	3.60931	No change
NM_013599	Mmp9	0	1	0.833747	0.355236	0.617508	No change
NM_013601	Msx2	0	1	-0.471108	0.161177	0.0996174	No change
NM_013602	Mt1	0	1	-0.0974769	169.732	150.999	No change
NM_013603	Mt3	0	1	0.113855	0.906785	0.934083	No change
NM_013606	Mx2	0	1	-0.273168	0.461352	0.35643	No change
NM_013610	Ninj1	0	1	0.286691	6.71072	7.80061	No change
NM_013611	Nodal	0	1	-1.47111	0.0665644	0	No change
NM_013612	Slc11a1	0	1	-0.393105	0.786465	0.560867	No change
NM_013616	Olfrr65	0	1	0.113855	0	0	No change
NM_013617	Olfrr64	0	1	0.113855	0	0	No change
NM_013618	Olfrr66	0	1	0.113855	0	0	No change
NM_013619	Olfrr67	0	1	0.113855	0	0	No change
NM_013620	Olfrr68	0	1	0.113855	0	0	No change
NM_013621	Olfrr69	0	1	0.113855	0	0	No change
NM_013622	Oprd1	0	1	-2.6935	0.103993	0	No change
NM_013623	Orm3	0	1	-1.47111	0.180318	0	No change
NM_013624	Otog	0	1	-0.886145	0.0208184	0.00714836	No change
NM_013627	Pax6	0	1	-0.471108	0.136653	0.08446	No change
NM_013628	Pcsk1	0	1	-2.88615	0.193899	0	No change
NM_013640	Psmb10	0	1	0.282361	6.14615	7.12257	No change
NM_013641	Ptger1	0	1	0.278486	3.01266	3.48266	No change
NM_013642	Dusp1	0	1	-0.335948	3.98348	2.99437	No change
NM_013645	Pvalb	0	1	0.85082	0.156262	0.321933	No change
NM_013650	S100a8	0	1	2.11385	0	0.549421	No change
NM_013652	Ccl4	0	1	-0.208073	0.422381	0.326323	No change
NM_013653	Ccl5	0	1	-0.734142	4.5937	2.56879	No change
NM_013654	Ccl7	0	1	-0.371572	0.523351	0.359404	No change
NM_013665	Shox2	0	1	0.698817	0.043777	0.0901897	No change
NM_013666	St8sia5	0	1	-0.528593	2.08781	1.3655	No change
NM_013667	Slc22a2	0	1	0.113855	0	0	No change
NM_013673	Sp100	0	1	-0.282074	1.58246	1.23089	No change

NM_013675	Spnb1	0	1	-0.205269	1.71651	1.41593	No change
NM_013679	Svs6	0	1	-0.886145	0.131002	0	No change
NM_013690	Tek	0	1	0.0907712	0.928441	0.940965	No change
NM_013693	Trnf	0	1	-0.108538	0.258441	0.221851	No change
NM_013696	Trhr	0	1	-0.886145	0.0525852	0.0180561	No change
NM_013697	Trr	0	1	0.113855	0.114157	0.117594	No change
NM_013701	Ugt1a2	0	1	0.054659	12.956	12.8086	No change
NM_013702	Uncx	0	1	0.113855	0	0	No change
NM_013705	Zfp30	0	1	0.751285	0.21411	0.358403	No change
NM_013707	Krtap14	0	1	0.113855	0	0	No change
NM_013708	Nr2e3	0	1	0.113855	0	0	No change
NM_013711	Txnrd2	0	1	0.445061	1.09753	1.43205	No change
NM_013712	Itgb1bp2	0	1	0.64437	0.431201	0.666274	No change
NM_013713	Krtap15	0	1	0.113855	0	0	No change
NM_013723	Podxl	0	1	0.119904	3.09892	3.20568	No change
NM_013728	Olf154	0	1	0.113855	0	0	No change
NM_013729	Mixl1	0	1	0.113855	0	0	No change
NM_013730	Slamf1	0	1	-2.47111	0.129637	0	No change
NM_013736	Tceb3	0	1	-0.0704541	17.1956	15.587	No change
NM_013739	Dok3	0	1	-1.54911	0.811431	0.232183	No change
NM_013742	Cars	0	1	0.120368	11.3874	11.7834	No change
NM_013743	Pdk4	0	1	0.00693961	0.544949	0.519772	No change
NM_013745	Nufip1	0	1	0.435783	1.38544	1.78845	No change
NM_013748	Clnk	0	1	-2.88615	0.308181	0	No change
NM_013750	Phlda3	0	1	0.528892	2.6604	3.6703	No change
NM_013756	Defb3	0	1	0.85082	0.432875	0.891813	No change
NM_013768	Prmt5	0	1	0.170261	16.5194	17.6963	No change
NM_013772	Tcl1b3	0	1	0.113855	0	0	No change
NM_013773	Tcl1b1	0	1	0.113855	0	0	No change
NM_013774	Tcl1b4	0	1	-1.47111	0.135195	0	No change
NM_013775	Tcl1b2	0	1	-0.886145	0.0690713	0	No change
NM_013776	Tcl1b5	0	1	0.113855	0	0	No change
NM_013779	Magel2	0	1	-0.886145	0.0149492	0	No change
NM_013781	Sh2d3c	0	1	0.457809	0.566609	0.747093	No change
NM_013784	Pign	0	1	-0.0398446	14.5945	13.5128	No change
NM_013786	Hsd17b6	0	1	-2.20807	0.19107	0	No change
NM_013788	Peg12	0	1	0.28378	0.184792	0.217548	No change
NM_013792	Naglu	0	1	0.137986	11.6483	12.2019	No change
NM_013793	Klra15	0	1	0.113855	0	0	No change
NM_013800	Barx2	0	1	-0.623111	0.155651	0.0801686	No change
NM_013803	Casr	0	1	-1.10854	0.199825	0.0791696	No change
NM_013805	Cldn5	0	1	0.361782	2.31325	2.83919	No change
NM_013806	Abcc2	0	1	0.85082	0.0258649	0.053287	No change
NM_013809	Cyp2g1	0	1	1.69882	0	0.0774862	No change
NM_013819	H2-M3	0	1	-0.301183	2.29864	1.76329	No change
NM_013825	Ly75	0	1	0.180969	0.552477	0.59687	No change
NM_013829	Plcb4	0	1	0.0112851	1.90655	1.82783	No change
NM_013831	Pstpip2	0	1	0.113855	0.431344	0.44433	No change
NM_013833	Rax	0	1	0.113855	0	0	No change
NM_013838	Trpc6	0	1	1.11385	0.256617	0.550713	No change
NM_013845	Ror1	0	1	-0.314988	0.668989	0.506712	No change
NM_013848	Ermap	0	1	-0.886145	0.0459413	0.0157748	No change
NM_013850	Abca7	0	1	-0.248715	0.465042	0.370169	No change
NM_013852	Abcf3	0	1	-0.0611548	12.7813	11.6595	No change
NM_013863	Bag3	0	1	-0.0376783	9.1383	8.47205	No change
NM_013867	Bcar3	0	1	-0.408098	2.34422	1.67512	No change
NM_013874	Dpf1	0	1	-1.08778	0.673066	0.283634	No change
NM_013877	Cabp5	0	1	0.113855	0	0	No change
NM_013880	Plcl2	0	1	0.248156	2.09887	2.37472	No change
NM_013891	Spdef	0	1	-0.14918	0.878804	0.747823	No change
NM_013892	Pcsk1n	0	1	-1.6935	0.190678	0.0327364	No change
NM_013897	Timm8b	0	1	0.0676974	121.665	121.377	No change
NM_013899	Timm10	0	1	0.478427	8.26688	10.995	No change
NM_013903	Mmp20	0	1	0.113855	0	0	No change
NM_013905	Heyl	0	1	0.435783	0.599741	0.776204	No change
NM_013906	Adamts8	0	1	-0.0877791	0.422149	0.375559	No change
NM_013907	Fbxw4	0	1	0.291498	5.15713	6.01332	No change
NM_013914	Snai3	0	1	0.336247	0.745614	0.903599	No change
NM_013920	Hnf4g	0	1	0.64437	0.133384	0.206098	No change
NM_013921	Prss30	0	1	0.113855	0.0948849	0.0977413	No change
NM_013922	Zfp354c	0	1	0.223479	0.973909	1.08349	No change
NM_013924	Abt1	0	1	0.277635	2.84652	3.28666	No change
NM_013925	Adat1	0	1	-0.139529	3.26513	2.81801	No change
NM_015730	Chrna4	0	1	-1.20807	0.0628289	0.0161801	No change
NM_015734	Col5a1	0	1	-0.139432	0.970492	0.837362	No change
NM_015738	Galr3	0	1	0.528892	0.279891	0.403644	No change

NM_015739	Gbx1	0	1	0.113855	0	0	No change
NM_015741	Krtap9-1	0	1	0.113855	0	0	No change
NM_015743	Nr4a3	0	1	-2.20807	0.147968	0	No change
NM_015745	Rbp3	0	1	-1.47111	0.0264189	0	No change
NM_015748	Slit1	0	1	-0.116013	1.70307	1.49393	No change
NM_015758	Foxe3	0	1	0.113855	0	0	No change
NM_015759	Fgd3	0	1	0.113855	0.605051	0.623266	No change
NM_015760	Nox4	0	1	0.239386	0.198952	0.225436	No change
NM_015766	Ebi3	0	1	0.751285	0.476126	0.796996	No change
NM_015770	a	0	1	-2.47111	0.503562	0	No change
NM_015776	Mfap5	0	1	-0.581291	1.63111	1.01831	No change
NM_015779	Elane	0	1	0.113855	0	0	No change
NM_015783	Isg15	0	1	0.633229	2.67341	3.98839	No change
NM_015793	Fbxw14	0	1	0.113855	0	0	No change
NM_015795	Fbxo16	0	1	0.599282	2.49511	3.62168	No change
NM_015799	Trfr2	0	1	-1.6935	0.142911	0.0245355	No change
NM_015807	Nt5c	0	1	-0.352845	17.1632	12.7688	No change
NM_015808	Krtap5-1	0	1	0.113855	0	0	No change
NM_015809	Krtap5-4	0	1	0.113855	0	0	No change
NM_015810	Polg2	0	1	0.113855	2.51902	2.59485	No change
NM_015811	Rgs1	0	1	0.113855	1.20522	1.2415	No change
NM_015812	Rgs6	0	1	-0.108538	0.345015	0.300724	No change
NM_015816	Lsm4	0	1	-0.257512	20.7895	16.5378	No change
NM_015820	Hs6st3	0	1	-0.886145	0.195328	0.0804832	No change
NM_015821	Fbxl8	0	1	0.461778	0.366612	0.490943	No change
NM_015825	Sh3bgr	0	1	0.320306	1.31894	1.57603	No change
NM_016659	Klra1	0	1	1.11385	0	0.043066	No change
NM_016669	Crym	0	1	-0.301183	0.388416	0.285792	No change
NM_016670	Pknx1	0	1	0.0648622	9.89233	9.84932	No change
NM_016671	Il27ra	0	1	0.265858	0.209761	0.243085	No change
NM_016678	Reck	0	1	-0.354821	2.13811	1.58708	No change
NM_016687	Sirp4	0	1	0.528892	0.198217	0.285857	No change
NM_016694	Park2	0	1	-0.252928	3.17875	2.53433	No change
NM_016700	Mapk8	0	1	0.129248	10.1464	10.5641	No change
NM_016702	Agxt	0	1	-0.886145	0.0459413	0	No change
NM_016704	C6	0	1	-1.30118	0.171718	0.0505392	No change
NM_016708	Npy5r	0	1	0.113855	0	0	No change
NM_016712	Tmod4	0	1	-1.20807	0.786222	0.289246	No change
NM_016717	Scly	0	1	-0.179876	3.56833	2.99265	No change
NM_016718	Ninj2	0	1	-0.623111	0.339138	0.174674	No change
NM_016719	Grb14	0	1	-0.85138	1.42013	0.731441	No change
NM_016721	Iqgap1	0	1	0.00453518	27.1139	25.8912	No change
NM_016736	Nub1	0	1	-0.00341124	16.2583	15.4387	No change
NM_016751	Clec4f	0	1	0.113855	0	0	No change
NM_016753	Lxn	0	1	0.173976	5.93539	6.37704	No change
NM_016754	Mylpf	0	1	-2.05607	0.738468	0.0950874	No change
NM_016755	Atp5j	0	1	0.0118202	83.3925	80.0308	No change
NM_016758	Rgs14	0	1	-0.301183	0.0887431	0.0609431	No change
NM_016767	Batf	0	1	-0.886145	0.38547	0.15883	No change
NM_016768	Pbx3	0	1	0.373098	3.66958	4.53006	No change
NM_016771	Sult1d1	0	1	0.0549611	0.698676	0.689721	No change
NM_016779	Dmp1	0	1	0.113855	0	0	No change
NM_016780	Itgb3	0	1	0.00423032	0.482388	0.459641	No change
NM_016782	Cntnap1	0	1	0.528892	0.416077	0.575935	No change
NM_016784	Plrg1	0	1	0.189307	5.82414	6.32377	No change
NM_016786	Ube2k	0	1	-0.162938	8.43591	7.17025	No change
NM_016798	Pdlim3	0	1	0.595388	2.2966	3.32113	No change
NM_016801	Stx1a	0	1	-0.134073	1.24512	1.07461	No change
NM_016803	Chst3	0	1	0.435783	0.0798185	0.105713	No change
NM_016810	Gosr1	0	1	0.0170463	12.3209	11.867	No change
NM_016849	Irf3	0	1	-0.0514298	13.3587	12.2674	No change
NM_016850	Irf7	0	1	0.37042	5.63637	6.94372	No change
NM_016853	Stac	0	1	0.435783	0.0831327	0.11418	No change
NM_016854	Ppp1r3c	0	1	0.300268	2.23976	2.62912	No change
NM_016856	Cpsf2	0	1	-0.132616	5.6646	4.91663	No change
NM_016858	Rab33b	0	1	0.280213	5.3996	6.24449	No change
NM_016864	Atoh7	0	1	0.113855	0	0	No change
NM_016870	Acsm3	0	1	0.039087	2.47281	2.41729	No change
NM_016873	Wisp2	0	1	-0.159164	1.09938	0.930249	No change
NM_016880	Krt35	0	1	1.11385	0	0.0416905	No change
NM_016889	Insm1	0	1	-0.886145	0.0230619	0	No change
NM_016892	Ccs	0	1	-0.0577218	28.7475	26.2849	No change
NM_016896	Map3k14	0	1	0.368038	1.8037	2.21928	No change
NM_016897	Timm23	0	1	0.10512	29.7484	30.4586	No change
NM_016909	Tsnax	0	1	0.113855	20.0247	20.6275	No change
NM_016914	Prg3	0	1	-2.20807	0.293753	0	No change

NM_016916	Bicap	0	1	0.0118339	8.30954	7.97294	No change
NM_016917	Slc40a1	0	1	0.404904	1.73201	2.18771	No change
NM_016919	Col5a3	0	1	0.461778	0.240478	0.318494	No change
NM_016924	Rwdd2b	0	1	0.301482	2.35181	2.76382	No change
NM_016926	Sart3	0	1	0.0114392	7.63785	7.32724	No change
NM_016933	Ptprcap	0	1	1.11385	0.741414	1.61233	No change
NM_016967	Olig2	0	1	1.69882	0	0.0589175	No change
NM_016968	Olig1	0	1	-0.471108	0.449425	0.297613	No change
NM_016970	Klrg1	0	1	-1.47111	0.10249	0	No change
NM_016971	Ii22	0	1	-0.886145	0.0641149	0	No change
NM_016972	Slc7a8	0	1	0.0785937	8.56909	8.61349	No change
NM_016975	Gja3	0	1	0.113855	0	0	No change
NM_016977	Mc4r	0	1	-2.88615	0.176438	0	No change
NM_016981	Slc9a1	0	1	-0.178699	4.76623	4.00571	No change
NM_016982	Vpreb1	0	1	0.113855	0	0	No change
NM_016983	Vpreb2	0	1	-0.886145	0.162454	0	No change
NM_016984	Trpc4	0	1	0.435783	0.0610984	0.083917	No change
NM_017369	Gabre	0	1	1.49237	0.0998824	0.308668	No change
NM_017370	Hp	0	1	-0.71622	0.777245	0.42701	No change
NM_017371	Hpx	0	1	0.599282	0.188359	0.291044	No change
NM_017373	Nfil3	0	1	0.351354	3.28872	4.0004	No change
NM_017374	Ppp2cb	0	1	0.0580439	16.9677	16.8138	No change
NM_017382	Rab11a	0	1	0.0901005	31.0676	31.4797	No change
NM_017385	Ear7	0	1	0.113855	0	0	No change
NM_017388	Ear3	0	1	-0.886145	0.443904	0.152422	No change
NM_017389	Ear14	0	1	0.113855	0	0	No change
NM_017390	Svs2	0	1	-0.886145	0.0443904	0	No change
NM_017394	Slc7a10	0	1	-0.108538	0.21444	0.184079	No change
NM_017395	Rfx5	0	1	-0.22318	5.17415	4.21594	No change
NM_017396	Cyp3a41a	0	1	0.113855	0	0	No change
NM_017399	Fabp1	0	1	-0.886145	0.141652	0	No change
NM_017461	Sept1	0	1	0.509783	0.863367	1.18581	No change
NM_017466	Ccrl2	0	1	0.435783	0.495447	0.646459	No change
NM_017468	Enam	0	1	-1.47111	0.025389	0	No change
NM_017471	Pbsn	0	1	0.113855	0	0	No change
NM_017474	Cica3	0	1	-1.47111	0.0474909	0	No change
NM_017480	Icos	0	1	1.33625	0.0428352	0.132374	No change
NM_018729	Cd244	0	1	0.113855	0.203997	0.210139	No change
NM_018733	Scn1a	0	1	-0.645137	0.176608	0.103957	No change
NM_018734	Gbp3	0	1	-0.236088	1.69017	1.36019	No change
NM_018738	Igtp	0	1	0.248504	6.3044	7.13296	No change
NM_018741	Igfbpl1	0	1	1.11385	0	0.0263067	No change
NM_018747	Akap7	0	1	0.0317058	6.02533	5.86189	No change
NM_018749	Eif3d	0	1	-0.12144	55.9733	48.9757	No change
NM_018750	Rassf5	0	1	0.0707861	2.06725	2.06623	No change
NM_018751	Sult1c1	0	1	0.113855	0	0	No change
NM_018758	Apba3	0	1	-0.0892371	6.51614	5.82641	No change
NM_018759	Zfp326	0	1	0.0168931	5.20019	5.00679	No change
NM_018762	Gp9	0	1	0.528892	0.171869	0.265565	No change
NM_018763	Chst2	0	1	0.235845	0.36845	0.414046	No change
NM_018768	Stx8	0	1	0.158249	2.15668	2.29157	No change
NM_018769	Dfna5	0	1	-0.760614	1.40497	0.774117	No change
NM_018776	Crif3	0	1	0.0890514	5.18108	5.24556	No change
NM_018777	Cldn6	0	1	0.403361	0.369969	0.476383	No change
NM_018779	Pde3a	0	1	0.467492	0.281755	0.375601	No change
NM_018780	Sfrp5	0	1	-0.471108	0.073361	0.0377847	No change
NM_018785	Prpf40a	0	1	0.0482098	34.6999	34.1536	No change
NM_018787	Npff	0	1	0.528892	1.2501	1.77063	No change
NM_018795	Abcc6	0	1	-2.20807	0.0562267	0	No change
NM_018800	Syt6	0	1	-0.301183	0.0473457	0.032514	No change
NM_018802	Syt8	0	1	-0.471108	0.0926152	0.0477016	No change
NM_018803	Syt10	0	1	-1.10854	0.755479	0.311289	No change
NM_018809	Ptf1a	0	1	0.113855	0	0	No change
NM_018816	Apom	0	1	0.113855	0.487363	0.502035	No change
NM_018820	Sertad1	0	1	-0.216618	7.39168	6.04301	No change
NM_018822	Sgsh	0	1	0.113855	3.67484	3.78546	No change
NM_018825	Sh2b2	0	1	-0.886145	0.562829	0.277283	No change
NM_018828	Fnbp4	0	1	0.0114075	11.0409	10.5926	No change
NM_018832	Magix	0	1	0.503801	0.696432	0.947989	No change
NM_018852	Scn9a	0	1	0.528892	0.0142057	0.02195	No change
NM_018857	Msln	0	1	0.902351	0.329517	0.610987	No change
NM_018859	Akr1e1	0	1	0.0137268	21.1967	20.368	No change
NM_018863	Pdyn	0	1	0.113855	0	0	No change
NM_018865	Wisp1	0	1	-0.00162241	0.527346	0.500335	No change
NM_018866	Cxcl13	0	1	-0.748642	1.13956	0.617822	No change
NM_018869	Grk5	0	1	0.137125	2.68473	2.81089	No change

NM_018874	Pnliplr1	0	1	0.113855	0	0	No change
NM_018876	Fut2	0	1	0.21339	1.67847	1.85429	No change
NM_018879	Npri2	0	1	-0.446233	5.44924	3.79143	No change
NM_018884	Pdzrn3	0	1	0.0626295	1.44274	1.43372	No change
NM_018885	Irx4	0	1	0.113855	0	0	No change
NM_018887	Cyp39a1	0	1	0.395268	1.46097	1.83416	No change
NM_018889	Pigb	0	1	0.261953	4.67162	5.33604	No change
NM_019388	Cd86	0	1	0.613426	0.768571	1.13101	No change
NM_019393	Exosc9	0	1	-0.0456234	7.37013	6.79284	No change
NM_019398	Ear5	0	1	0.113855	0	0	No change
NM_019404	Avpr2	0	1	0.113855	0.115449	0.118925	No change
NM_019406	Fnbp1	0	1	0.354169	5.59938	6.81996	No change
NM_019409	Omg	0	1	0.0903958	1.90982	1.93507	No change
NM_019412	Prx	0	1	0.579518	0.543234	0.777963	No change
NM_019414	Selenbp2	0	1	0.175916	3.70051	3.98133	No change
NM_019418	Tnfsf14	0	1	0.113855	0.11265	0.116041	No change
NM_019420	B3galt4	0	1	-0.645137	1.90031	1.13809	No change
NM_019426	Atf7ip	0	1	-0.150834	10.7303	9.19787	No change
NM_019429	Prss16	0	1	-0.623111	0.129541	0.0667202	No change
NM_019430	Cacng3	0	1	0.113855	0	0	No change
NM_019431	Cacng4	0	1	-0.108538	0.424957	0.364792	No change
NM_019434	Mcm3ap	0	1	0.158879	3.77781	4.01526	No change
NM_019436	Sit1	0	1	1.11385	0.116058	0.29888	No change
NM_019440	Irgm2	0	1	0.127862	4.04592	4.20858	No change
NM_019442	Stk19	0	1	0.0865475	10.2794	10.389	No change
NM_019444	Ramp2	0	1	0.485824	1.27877	1.72891	No change
NM_019450	Il1f6	0	1	0.113855	0	0	No change
NM_019454	Dll4	0	1	0.172748	0.464485	0.499271	No change
NM_019455	Hpgds	0	1	0.167294	2.21885	2.37272	No change
NM_019456	Apbb1ip	0	1	0.113855	0.274382	0.282642	No change
NM_019458	Paf1	0	1	0.0486196	16.9147	16.652	No change
NM_019459	Nphs1	0	1	0.113855	0	0	No change
NM_019461	Usp27x	0	1	-0.236642	1.07551	0.864151	No change
NM_019471	Mmp10	0	1	-0.886145	0.040661	0	No change
NM_019472	Myo10	0	1	-0.201564	3.32199	2.74823	No change
NM_019473	Olf155	0	1	0.113855	0	0	No change
NM_019474	Olf156	0	1	0.113855	0	0	No change
NM_019475	Olf157	0	1	0.113855	0	0	No change
NM_019476	Olf159	0	1	0.113855	0	0	No change
NM_019480	Ebag9	0	1	0.0239127	8.07065	7.80836	No change
NM_019481	Slc13a1	0	1	0.113855	0	0	No change
NM_019482	Panx1	0	1	0.677756	0.738913	1.14174	No change
NM_019483	Smad9	0	1	0.0649452	0.376508	0.374469	No change
NM_019484	Refbp2	0	1	0.443162	2.08039	2.70697	No change
NM_019485	Olf170	0	1	0.698817	0.0296314	0.0610467	No change
NM_019486	Olf171	0	1	1.11385	0	0.0764547	No change
NM_019488	Slc2a8	0	1	-0.190013	8.5987	7.16876	No change
NM_019489	Ppie	0	1	-0.118806	11.158	9.77291	No change
NM_019491	Rala	0	1	0.145884	12.8023	13.4844	No change
NM_019496	Ammecr1	0	1	-0.130564	1.70365	1.47785	No change
NM_019501	Pdss1	0	1	0.201318	2.00341	2.19544	No change
NM_019506	Gdf2	0	1	0.113855	0	0	No change
NM_019507	Tbx21	0	1	1.69882	0.0273091	0.140656	No change
NM_019508	Il17b	0	1	-0.886145	0.100712	0	No change
NM_019510	Trpc3	0	1	0.393963	0.245265	0.310952	No change
NM_019514	Astn2	0	1	-0.760614	0.149076	0.0767818	No change
NM_019515	Nmu	0	1	-2.47111	0.426517	0	No change
NM_019516	Lgals12	0	1	0.528892	0.126484	0.182409	No change
NM_019517	Bace2	0	1	0.624817	0.727523	1.0761	No change
NM_019518	Grasp	0	1	0.64437	0.276834	0.427752	No change
NM_019519	Rabggta	0	1	0.0771223	9.7685	9.8089	No change
NM_019521	Gas6	0	1	-0.118526	20.7493	18.19	No change
NM_019537	Psmg1	0	1	0.0555562	14.2216	14.0667	No change
NM_019539	Cts7	0	1	0.113855	0	0	No change
NM_019540	Pfpl	0	1	-0.886145	0.0533637	0.0183234	No change
NM_019541	Cts8	0	1	0.113855	0	0	No change
NM_019544	Msgn1	0	1	0.113855	0	0	No change
NM_019546	Prodh2	0	1	-2.6935	0.230136	0	No change
NM_019547	Rbm38	0	1	0.059407	2.08215	2.06389	No change
NM_019549	Plek	0	1	0.383315	1.87902	2.33665	No change
NM_019551	Tdp2	0	1	-0.0750479	7.72016	6.97211	No change
NM_019553	Ddx21	0	1	-0.073059	18.9698	17.1644	No change
NM_019564	Htra1	0	1	0.370195	4.88773	6.02072	No change
NM_019566	Rhog	0	1	0.356898	5.95478	7.26997	No change
NM_019573	Wwox	0	1	-0.151735	3.46762	2.96604	No change
NM_019575	Scamp4	0	1	-0.0612319	8.08314	7.37033	No change

NM_019577	Ccl24	0	1	-0.0787903	0.378472	0.334171	No change
NM_019582	Cacna1f	0	1	-0.886145	0.0114721	0	No change
NM_019584	Becn1	0	1	-0.00458233	61.3545	58.2175	No change
NM_019587	Plxnb3	0	1	-0.371572	0.0694383	0.0476858	No change
NM_019588	Plce1	0	1	-0.173026	2.22806	1.8799	No change
NM_019626	Cbln1	0	1	0.765932	0.805871	1.32206	No change
NM_019631	Tmem45a	0	1	0.824348	0.542458	0.931314	No change
NM_019640	Pitpnb	0	1	0.274049	7.06774	8.13856	No change
NM_019645	Pkp1	0	1	0.183117	0.932139	1.00821	No change
NM_019648	Metap2	0	1	0.0131139	31.0538	29.8302	No change
NM_019649	Clptm1	0	1	0.0587285	20.6835	20.5067	No change
NM_019650	Gosr2	0	1	-0.0105217	53.9792	51.0094	No change
NM_019654	Socs5	0	1	-0.184585	3.1246	2.61415	No change
NM_019660	Mycbp	0	1	0.113855	16.8953	17.4039	No change
NM_019662	Rrad	0	1	-0.0612319	1.50448	1.36745	No change
NM_019665	Arl6	0	1	-0.0544167	20.265	18.5716	No change
NM_019675	Stmn4	0	1	-0.886145	0.0565689	0	No change
NM_019684	Srpk3	0	1	1.61636	0.177516	0.585153	No change
NM_019685	Ruvbl1	0	1	-0.173722	6.94824	5.85606	No change
NM_019686	Cib2	0	1	0.288942	5.77618	6.7304	No change
NM_019690	Gnas	0	1	-0.371572	1.73703	1.26562	No change
NM_019697	Kcnd2	0	1	-1.02365	0.153306	0.0631685	No change
NM_019704	Tmem115	0	1	-0.1096	14.47	12.7621	No change
NM_019707	Cdh13	0	1	0.814295	0.699973	1.19129	No change
NM_019720	Cyb561d2	0	1	0.245415	7.74366	8.74222	No change
NM_019724	Mmp16	0	1	0.28378	0.106611	0.125509	No change
NM_019728	Defb4	0	1	-0.886145	0.152168	0	No change
NM_019731	Nme4	0	1	0.0572713	2.01891	1.9965	No change
NM_019732	Runx3	0	1	-1.27846	0.358226	0.129154	No change
NM_019735	Apip	0	1	0.216948	8.0705	8.93502	No change
NM_019736	Acot9	0	1	-0.199961	5.94281	4.91592	No change
NM_019737	B4galt6	0	1	-0.514176	0.803965	0.53151	No change
NM_019739	Foxo1	0	1	0.317786	2.38502	2.83181	No change
NM_019740	Foxo3	0	1	0.101646	8.56386	8.74712	No change
NM_019743	Rybp	0	1	0.0700286	10.0972	10.0895	No change
NM_019747	Zfp113	0	1	0.264218	2.83296	3.24003	No change
NM_019748	Sae1	0	1	-0.151966	34.7161	29.737	No change
NM_019752	Htra2	0	1	0.0527792	7.76613	7.66659	No change
NM_019754	Tagln3	0	1	-1.47111	0.479401	0.123458	No change
NM_019759	Dpt	0	1	0.484223	1.70398	2.28186	No change
NM_019763	Spn	0	1	-0.118655	2.69728	2.36404	No change
NM_019775	Cpb2	0	1	-0.6935	0.283497	0.146016	No change
NM_019781	Pex14	0	1	-0.0787903	12.0222	10.8315	No change
NM_019790	Tmeff2	0	1	-0.0787903	0.146107	0.129004	No change
NM_019792	Cyp3a25	0	1	-0.886145	0.0348117	0	No change
NM_019797	Trip4	0	1	0.144004	7.82367	8.2296	No change
NM_019803	Ube2g2	0	1	-0.26635	11.9554	9.45381	No change
NM_019810	Slc5a1	0	1	0.698817	0.01772	0.036507	No change
NM_019814	Higd1a	0	1	0.174441	16.4465	17.6699	No change
NM_019820	Cbln3	0	1	-0.248715	0.118049	0.0912017	No change
NM_019822	Adrm1	0	1	-0.229447	12.3877	10.0477	No change
NM_019826	Ivd	0	1	0.184244	12.7787	13.8233	No change
NM_019836	2610024G14Rik	0	1	-0.408566	2.36042	1.68333	No change
NM_019837	Nudt3	0	1	-0.0702676	34.7983	31.547	No change
NM_019866	Spib	0	1	-0.886145	0.125077	0.051537	No change
NM_019874	Dnajb5	0	1	-0.153841	3.71253	3.17136	No change
NM_019875	Abcb9	0	1	0.102359	10.5146	10.745	No change
NM_019878	Sult1b1	0	1	-1.47111	0.0535276	0	No change
NM_019910	Dcpp1	0	1	-2.20807	0.451818	0	No change
NM_019911	Tdo2	0	1	1.11385	0.128034	0.307738	No change
NM_019912	Ube2d2	0	1	0.124092	27.5628	28.595	No change
NM_019915	Art2b	0	1	0.528892	0.160214	0.247555	No change
NM_019916	Tlx3	0	1	0.113855	0	0	No change
NM_019917	Vmn2r26	0	1	-1.88615	0.081417	0	No change
NM_019918	Vmn2r1	0	1	0.113855	0.559783	0.576634	No change
NM_019919	Ltp1	0	1	-0.0656946	0.96565	0.877065	No change
NM_019922	Crtap	0	1	-0.23041	7.23766	5.86391	No change
NM_019924	Rps6ka4	0	1	-0.146535	4.86908	4.18357	No change
NM_019925	Gpr132	0	1	-0.41666	0.71436	0.500388	No change
NM_019928	Klk4	0	1	0.113855	0	0	No change
NM_019931	Kcnd3	0	1	0.341661	2.65598	3.21017	No change
NM_019932	Pf4	0	1	-0.00162241	1.4223	1.34303	No change
NM_019944	Mnx1	0	1	-1.47111	0.0957321	0	No change
NM_019948	Clec4e	0	1	0.113855	0.0276669	0.0284998	No change
NM_019950	Chst5	0	1	-1.88615	0.108051	0	No change
NM_019952	Cicf1	0	1	-0.208073	0.766793	0.614348	No change

NM_019956	Krt71	0	1	0.113855	0	0	No change
NM_019957	Dnase2b	0	1	0.48825	0.788176	1.06172	No change
NM_019960	Hspb3	0	1	-3.05607	0.713884	0	No change
NM_019965	Dnajb12	0	1	0.0994517	11.825	12.0596	No change
NM_019967	Dbc1	0	1	-1.88615	0.145453	0.0214046	No change
NM_019975	Hacl1	0	1	-0.112314	6.76165	5.95059	No change
NM_019977	Miox	0	1	0.113855	0	0	No change
NM_019988	Mlst8	0	1	0.242841	5.74552	6.47401	No change
NM_019991	Prl2a1	0	1	0.113855	0	0	No change
NM_020000	Med8	0	1	0.0256276	8.87688	8.59935	No change
NM_020013	Fgf21	0	1	0.320306	0.883121	1.06132	No change
NM_020019	Magea6	0	1	-3.20807	0.522262	0	No change
NM_020021	Mos	0	1	-1.76061	0.481305	0.0991588	No change
NM_020024	Taf10	0	1	0.156394	36.8259	39.0725	No change
NM_020025	B3galt2	0	1	-0.0466099	2.87723	2.65021	No change
NM_020030	Raet1d	0	1	-0.734142	0.438665	0.225935	No change
NM_020033	Ankrd2	0	1	-2.6935	0.380143	0	No change
NM_020034	Hist1h1b	0	1	-1.16625	1.65936	0.640991	No change
NM_020036	Calm4	0	1	0.113855	0	0	No change
NM_020043	Igdcc4	0	1	-0.208073	0.493481	0.404359	No change
NM_020044	Lat2	0	1	-0.596639	2.44942	1.52342	No change
NM_020051	Ascl3	0	1	-2.20807	0.394861	0	No change
NM_020257	Clec2i	0	1	-1.47111	0.358134	0.0737831	No change
NM_020261	Psg23	0	1	-0.208073	0.127936	0.0988403	No change
NM_020262	Zfp109	0	1	0.0434655	1.04019	1.01924	No change
NM_020264	Pate4	0	1	0.485824	1.09753	1.48387	No change
NM_020265	Dkk2	0	1	0.730526	0.263347	0.426289	No change
NM_020268	Klk1b27	0	1	-1.58658	0.941796	0.242537	No change
NM_020274	Htr3b	0	1	-1.47111	0.0578125	0	No change
NM_020275	Tnfrsf10b	0	1	-0.500855	1.0523	0.700069	No change
NM_020277	Trpm5	0	1	-1.20807	0.302114	0.114656	No change
NM_020278	Lgi1	0	1	-0.0667174	0.261819	0.235988	No change
NM_020280	Magea4	0	1	-3.05607	0.588126	0	No change
NM_020284	Ctsr	0	1	0.113855	0	0	No change
NM_020287	Insm2	0	1	-1.47111	0.112372	0.0231509	No change
NM_020288	Olfir749	0	1	0.113855	0	0	No change
NM_020289	Olfir544	0	1	-1.6935	0.354071	0.0607883	No change
NM_020290	Olfir690	0	1	-1.47111	0.131248	0	No change
NM_020291	Olfir480	0	1	0.113855	0	0	No change
NM_020293	Cldn9	0	1	0.113855	0.627864	0.646766	No change
NM_020329	Dolpp1	0	1	-0.292138	5.27623	4.0935	No change
NM_020488	Gabrq	0	1	1.69882	0	0.071791	No change
NM_020490	Ltb4r2	0	1	-0.14918	0.532747	0.449005	No change
NM_020492	Glra1	0	1	0.113855	0.049533	0.0510241	No change
NM_020495	Slco1b2	0	1	-2.20807	0.0845788	0	No change
NM_020501	Tas2r105	0	1	0.113855	0	0	No change
NM_020502	Tas2r108	0	1	-1.88615	0.545694	0.0803031	No change
NM_020503	Tas2r119	0	1	0.113855	0	0	No change
NM_020509	Retnla	0	1	0.00693961	1.51506	1.44062	No change
NM_020510	Fzd2	0	1	0.54012	0.595502	0.831097	No change
NM_020514	Olfir1509	0	1	-2.88615	0.48302	0	No change
NM_020515	Olfir140	0	1	0.113855	0	0	No change
NM_020516	Slc16a8	0	1	-1.10854	0.233477	0.0801686	No change
NM_020517	Lenep	0	1	0.313164	2.7126	3.22415	No change
NM_020518	Vsig2	0	1	-0.301183	0.893499	0.674958	No change
NM_020519	Slurp1	0	1	0.113855	0	0	No change
NM_020520	Slc25a20	0	1	-0.00519786	7.85658	7.44887	No change
NM_020563	Apbh	0	1	0.113855	0	0	No change
NM_020565	Sult3a1	0	1	0.113855	0	0	No change
NM_020566	Dnajc4	0	1	-0.257626	28.7898	22.9047	No change
NM_020576	Psors1c2	0	1	-2.47111	0.413363	0	No change
NM_020577	As3mt	0	1	0.00321075	5.89067	5.617	No change
NM_020580	Th1l	0	1	-0.354989	5.25984	3.90613	No change
NM_020587	Srsf4	0	1	-0.199148	8.68843	7.19821	No change
NM_020594	Zc3h8	0	1	-0.425511	4.80334	3.39026	No change
NM_020595	Otor	0	1	-0.886145	0.076084	0	No change
NM_020597	Msemb	0	1	-0.471108	0.267535	0.137795	No change
NM_020598	Olfir17	0	1	0.113855	0	0	No change
NM_020603	Wdr46	0	1	-0.193327	2.3188	1.92416	No change
NM_020618	Smarce1	0	1	0.00556321	11.5359	11.0221	No change
NM_020621	P2ry4	0	1	0.113855	0	0	No change
NM_020623	Pth	0	1	-2.6935	0.583205	0	No change
NM_020626	Tmem27	0	1	1.43578	0.0552242	0.227547	No change
NM_021272	Fabp7	0	1	-0.886145	0.0914605	0	No change
NM_021274	Cxcl10	0	1	-0.808143	2.29469	1.21565	No change
NM_021275	Kcna4	0	1	-1.47111	0.028775	0	No change

NM_021279	Wnt1	0	1	-1.47111	0.0587878	0	No change
NM_021282	Cyp2e1	0	1	-0.840341	1.20437	0.620314	No change
NM_021283	Il4	0	1	-0.886145	0.119133	0	No change
NM_021288	Tyms	0	1	0.239386	1.39459	1.56889	No change
NM_021289	Smr2	0	1	0.113855	0	0	No change
NM_021290	Ucn	0	1	-0.886145	0.108219	0	No change
NM_021292	Evc	0	1	0.421036	0.937428	1.19874	No change
NM_021300	Rhox4b	0	1	-0.886145	0.0786602	0	No change
NM_021306	Ecel1	0	1	-2.20807	0.103325	0	No change
NM_021315	Noc3l	0	1	-0.00279011	5.39739	5.12664	No change
NM_021316	Cend1	0	1	-1.88615	0.294418	0.0433259	No change
NM_021319	Pglyrp2	0	1	-0.538222	0.337006	0.208291	No change
NM_021320	Ntn4	0	1	0.368428	1.61875	1.99502	No change
NM_021325	Cd200r1	0	1	-0.248715	0.294841	0.227787	No change
NM_021331	G6pc2	0	1	-0.886145	0.0346386	0	No change
NM_021332	Glp1r	0	1	0.113855	0	0	No change
NM_021335	Snrpb2	0	1	-0.0632494	15.6384	14.2415	No change
NM_021336	Snrpa1	0	1	-0.487596	4.85063	3.27367	No change
NM_021340	Rgr	0	1	0.113855	0	0	No change
NM_021342	Kcne4	0	1	0.435783	2.57493	3.32285	No change
NM_021349	Tnfrsf13b	0	1	-0.886145	0.0929239	0	No change
NM_021354	Drg2	0	1	0.273431	6.9164	7.9628	No change
NM_021358	Htr6	0	1	-0.471108	0.102339	0.05271	No change
NM_021361	Nova1	0	1	-0.216294	0.428114	0.348699	No change
NM_021363	Svs3a	0	1	0.113855	0	0	No change
NM_021367	Tslp	0	1	-0.886145	0.67663	0.316818	No change
NM_021368	Olfrl264	0	1	0.113855	0	0	No change
NM_021369	Chrna6	0	1	0.113855	0	0	No change
NM_021370	Accn5	0	1	0.113855	0	0	No change
NM_021371	Caln1	0	1	-1.88615	0.189899	0.0279451	No change
NM_021377	Sorcs1	0	1	1.69882	0	0.0199253	No change
NM_021378	Klrc3	0	1	0.113855	0	0	No change
NM_021380	Il20	0	1	-0.886145	0.0845788	0	No change
NM_021382	Tacr3	0	1	2.11385	0.0185157	0.133511	No change
NM_021384	Rsad2	0	1	0.517211	1.12319	1.53635	No change
NM_021387	Vstm2b	0	1	0.113855	0.191596	0.197363	No change
NM_021390	Sall1	0	1	-0.54911	0.238674	0.150247	No change
NM_021391	Ppp1r1a	0	1	0.113855	0	0	No change
NM_021393	Cobra1	0	1	0.201762	10.0694	11.0259	No change
NM_021396	Pdcd1lg2	0	1	-1.34558	0.204079	0.0630667	No change
NM_021398	Slc43a3	0	1	0.0790894	2.23254	2.24433	No change
NM_021403	Srrm3	0	1	-0.886145	0.0177246	0	No change
NM_021405	Cst10	0	1	0.113855	0	0	No change
NM_021407	Trem3	0	1	0.113855	0	0	No change
NM_021409	Pard6b	0	1	0.147022	1.74284	1.83754	No change
NM_021419	Rnf8	0	1	-0.183277	9.36788	7.84717	No change
NM_021420	Stk4	0	1	0.0376926	12.2624	11.9813	No change
NM_021423	Shank3	0	1	0.528892	0.166168	0.231584	No change
NM_021424	Pvrl1	0	1	-0.363467	0.963941	0.709257	No change
NM_021427	Fam181b	0	1	-0.14918	0.189075	0.155813	No change
NM_021428	Dexi	0	1	0.252683	4.91714	5.58202	No change
NM_021432	Nap1l5	0	1	0.751285	0.294374	0.492757	No change
NM_021434	Gpr180	0	1	0.00321075	7.19458	6.86219	No change
NM_021437	1700123O20Rik	0	1	0.21369	11.8061	13.0356	No change
NM_021438	Fibp	0	1	0.163608	7.33268	7.8208	No change
NM_021439	Chst11	0	1	0.373241	0.820808	1.01462	No change
NM_021442	Mecom	0	1	0.85082	0.129661	0.267129	No change
NM_021443	Ccl8	0	1	0.0297905	7.09204	6.88407	No change
NM_021445	Cts6	0	1	0.113855	0	0	No change
NM_021453	Pga5	0	1	0.113855	0	0	No change
NM_021456	Ces1g	0	1	-1.88615	0.0913407	0	No change
NM_021459	Isl1	0	1	-0.471108	0.0551805	0.0284208	No change
NM_021461	Mknk1	0	1	-0.159469	5.47927	4.66512	No change
NM_021463	Prps1	0	1	0.201318	4.48152	4.90723	No change
NM_021476	Cysl1r1	0	1	0.85082	0.506122	0.886308	No change
NM_021477	Rbfox1	0	1	0.791927	0.0537443	0.0968839	No change
NM_021478	Tulp1	0	1	-0.208073	0.138831	0.107257	No change
NM_021481	Treh	0	1	1.11385	0	0.0351572	No change
NM_021487	Kcne1l	0	1	0.113855	0.0963941	0.099296	No change
NM_021500	Maea	0	1	-0.0616166	27.7069	25.2685	No change
NM_021502	Trappc2l	0	1	-0.310401	17.8231	13.6521	No change
NM_021503	Myoz2	0	1	0.113855	0.302224	0.311323	No change
NM_021508	Myoz1	0	1	0.113855	0.215434	0.22192	No change
NM_021509	Moxd1	0	1	-0.127153	0.565139	0.489008	No change
NM_021510	Hnrmp1	0	1	0.059116	59.6742	59.1808	No change
NM_021511	Rrs1	0	1	0.142855	6.66983	7.01084	No change

NM_021519	Edf1	0	1	-0.0853541	55.6293	49.8996	No change
NM_021521	Med12	0	1	0.265858	2.36793	2.71118	No change
NM_021528	Chst12	0	1	0.637417	1.20968	1.80884	No change
NM_021531	Carm1	0	1	0.163767	16.5894	17.6912	No change
NM_021541	Cryba2	0	1	-1.76061	0.992777	0.204533	No change
NM_021545	Naip7	0	1	0.331446	1.22344	1.46785	No change
NM_021549	Pnkp	0	1	0.167097	4.38279	4.68574	No change
NM_021556	Mrps30	0	1	-0.282074	12.01	9.39152	No change
NM_021562	Tas2r140	0	1	-1.88615	0.222661	0	No change
NM_021600	Chrnd	0	1	0.113855	0	0	No change
NM_021608	Dctn5	0	1	-0.0398854	12.5556	11.6215	No change
NM_021609	Ccbp2	0	1	-0.471108	0.200267	0.128935	No change
NM_021712	Slc18a3	0	1	-3.05607	0.230963	0	No change
NM_021715	Chst7	0	1	-0.371572	0.190505	0.130826	No change
NM_021718	Ms4a4b	0	1	-0.6935	1.49579	0.856013	No change
NM_021719	Cldn15	0	1	-0.985681	0.527121	0.23271	No change
NM_021782	Il21	0	1	-2.6935	0.136119	0	No change
NM_021791	Doc2g	0	1	-0.208073	0.947864	0.770841	No change
NM_021876	Eed	0	1	-0.0748646	12.3823	11.1868	No change
NM_021877	Hr	0	1	-0.0925961	1.13167	1.00856	No change
NM_021884	Tsg101	0	1	0.189188	20.5427	22.2975	No change
NM_021888	Qtrt1	0	1	-0.0737722	2.11031	1.90211	No change
NM_021892	Npvf	0	1	0.113855	0	0	No change
NM_021893	Cd274	0	1	0.611354	0.632179	0.927481	No change
NM_021896	Gucy1a3	0	1	-0.115086	2.7404	2.4064	No change
NM_021901	Tlx1	0	1	-2.47111	0.171657	0	No change
NM_022007	Fxyd7	0	1	-1.05607	0.822336	0.317659	No change
NM_022012	Map3k11	0	1	-0.0227501	5.86425	5.49334	No change
NM_022015	Taf8	0	1	0.252017	4.96553	5.63168	No change
NM_022016	Impg1	0	1	-0.886145	0.0582879	0.0200142	No change
NM_022017	Trpv4	0	1	-0.314988	1.49064	1.13495	No change
NM_022020	Rbp7	0	1	0.376889	0.469313	0.604301	No change
NM_022023	Gmfb	0	1	-0.0208808	36.5257	34.269	No change
NM_022025	Slc5a7	0	1	0.113855	0	0	No change
NM_022030	Sv2a	0	1	0.336247	0.302471	0.366561	No change
NM_022312	Tnr	0	1	0.528892	0.0258361	0.0399208	No change
NM_022313	Eral1	0	1	-0.0361706	5.57128	5.16866	No change
NM_022319	Clstn2	0	1	0.3065	0.20823	0.247498	No change
NM_022322	Tnmd	0	1	1.11385	0.0525984	0.162546	No change
NM_022326	Ctsm	0	1	0.113855	0	0	No change
NM_022327	Ralb	0	1	0.0640357	11.692	11.6341	No change
NM_022331	Herpud1	0	1	0.126064	39.4095	40.9412	No change
NM_022378	Foxb1	0	1	0.113855	0	0	No change
NM_022409	Zfp296	0	1	-0.798682	1.41208	0.750755	No change
NM_022411	Slc13a2	0	1	0.399257	0.986071	1.24512	No change
NM_022414	Ngb	0	1	-1.14918	0.474395	0.1777	No change
NM_022418	Tmub1	0	1	0.476425	4.01262	5.32994	No change
NM_022422	Gng13	0	1	-0.371572	1.01004	0.693633	No change
NM_022424	Fndc4	0	1	0.113855	0.828947	0.853901	No change
NM_022427	Gpr88	0	1	-0.65168	0.323214	0.187281	No change
NM_022428	Irx6	0	1	-1.47111	0.0585655	0	No change
NM_022430	Ms4a8a	0	1	-0.886145	0.0644112	0	No change
NM_022435	Sp5	0	1	1.43578	0.166173	0.479291	No change
NM_022654	Lrdd	0	1	-0.345577	1.03338	0.767421	No change
NM_022657	Fgf23	0	1	0.113855	0	0	No change
NM_022811	Polr1e	0	1	0.154497	1.63343	1.73137	No change
NM_022813	Scamp2	0	1	-0.088104	19.789	17.7178	No change
NM_022879	Myl7	0	1	1.11385	0	0.12168	No change
NM_022881	Rgs18	0	1	-2.88615	0.262426	0	No change
NM_022888	Folr4	0	1	0.599282	0.212803	0.328814	No change
NM_022889	Pes1	0	1	-0.00890508	7.90061	7.47257	No change
NM_022982	Rtn4r	0	1	2.11385	0.0371894	0.268163	No change
NM_022985	Zfand6	0	1	-0.0921318	50.189	44.8152	No change
NM_022999	Prrg2	0	1	0.216338	8.67814	9.60156	No change
NM_023044	Slc15a3	0	1	-0.371572	0.594396	0.428603	No change
NM_023049	Asb2	0	1	-0.0560702	2.30583	2.10836	No change
NM_023052	Ccl21c	0	1	0.279278	8.52071	9.85366	No change
NM_023057	B230120H23Rik	0	1	0.440665	1.21241	1.57191	No change
NM_023114	Apoc3	0	1	-0.471108	0.266004	0.137006	No change
NM_023116	Cacnb2	0	1	0.277354	0.563175	0.652645	No change
NM_023124	H2-Q8	0	1	-0.623111	1.70845	1.03165	No change
NM_023131	Rce1	0	1	0.183117	11.7119	12.6602	No change
NM_023134	Sftpa1	0	1	-1.47111	0.0502291	0	No change
NM_023137	Ubd	0	1	-0.886145	0.371894	0.153236	No change
NM_023138	Map2k2	0	1	-0.0386212	9.92676	9.19699	No change
NM_023141	Tor3a	0	1	0.209274	2.4738	2.72401	No change

NM_023143	C1ra	0	1	0.0756716	6.73715	6.75802	No change
NM_023153	Cwc15	0	1	0.237976	15.4268	17.3246	No change
NM_023154	Ethe1	0	1	0.485824	0.751406	1.01591	No change
NM_023167	Mrpl4	0	1	0.037906	6.28157	6.13598	No change
NM_023182	Ctrl	0	1	-0.208073	0.313932	0.242537	No change
NM_023215	2500003M10Rik	0	1	-0.0456955	27.86	25.6917	No change
NM_023256	Krt20	0	1	1.43578	0.0361103	0.14879	No change
NM_023260	Mrps34	0	1	0.336247	12.9607	15.5894	No change
NM_023289	Ceacam11	0	1	0.113855	0	0	No change
NM_023292	Pus3	0	1	0.0302682	10.4262	10.1335	No change
NM_023304	Fgf22	0	1	1.69882	0	0.293624	No change
NM_023312	Ndufa13	0	1	-0.0510481	77.9512	71.6185	No change
NM_023331	Mrpl46	0	1	-0.118979	14.0199	12.2791	No change
NM_023332	Prf8a9	0	1	0.113855	0	0	No change
NM_023333	2210010C04Rik	0	1	0.113855	0	0	No change
NM_023348	Snap29	0	1	-0.157085	11.1281	9.49682	No change
NM_023371	Pin1	0	1	0.134794	6.24089	6.52302	No change
NM_023374	Sdhd	0	1	-0.0279779	17.2771	16.1245	No change
NM_023377	Stard5	0	1	0.255583	4.42586	5.03277	No change
NM_023380	Samsn1	0	1	0.196317	0.604383	0.661489	No change
NM_023383	Aadac	0	1	0.435783	0.37701	0.499319	No change
NM_023386	Rtp4	0	1	0.0107613	2.52543	2.41889	No change
NM_023395	Wfdc1	0	1	-0.35563	4.23285	3.13203	No change
NM_023438	Tmem132e	0	1	-1.6935	0.101865	0.0174887	No change
NM_023449	Slc9a3r2	0	1	0.495284	3.09655	4.16796	No change
NM_023472	Ankra2	0	1	0.319603	5.41614	6.44068	No change
NM_023475	Serhl	0	1	0.216283	15.1928	16.8055	No change
NM_023478	Upk3a	0	1	1.25136	0.252054	0.649105	No change
NM_023479	Elac2	0	1	-0.268393	2.88194	2.2717	No change
NM_023480	Fahd1	0	1	0.0637313	10.1047	10.0518	No change
NM_023504	Nkx2-4	0	1	-0.886145	0.0654394	0	No change
NM_023511	Krtap3-1	0	1	0.113855	0	0	No change
NM_023514	Mrps9	0	1	-0.0537451	7.56357	6.93119	No change
NM_023524	Tfpt	0	1	0.1028	8.30438	8.48858	No change
NM_023529	Ms4a10	0	1	-2.6935	0.414428	0	No change
NM_023530	Pla2g12b	0	1	2.43578	0	0.269385	No change
NM_023537	Rab3b	0	1	0.476425	0.419837	0.562218	No change
NM_023538	Agk	0	1	-0.266176	2.94433	2.32312	No change
NM_023547	Ino80b	0	1	0.0119752	11.7498	11.2735	No change
NM_023554	Nol7	0	1	-0.0762481	9.31292	8.40402	No change
NM_023565	Cse1l	0	1	0.0331568	12.0667	11.7527	No change
NM_023566	Muc2	0	1	-0.371572	0.139407	0.0994182	No change
NM_023608	Gdpd2	0	1	0.28378	0.187996	0.221321	No change
NM_023612	Esm1	0	1	1.02075	0.497097	0.989985	No change
NM_023623	Cyp2d40	0	1	0.113855	0	0	No change
NM_023626	Ing3	0	1	-0.0877791	2.96961	2.65751	No change
NM_023631	Aox4	0	1	-2.6935	0.0841025	0	No change
NM_023633	2410016O06Rik	0	1	-0.0594768	3.11925	2.84593	No change
NM_023637	Sars2	0	1	-0.379185	1.35007	0.977259	No change
NM_023653	Wnt2	0	1	-0.927965	1.12036	0.5431	No change
NM_023655	Trim29	0	1	0.36077	1.82236	2.23237	No change
NM_023671	Clns1a	0	1	0.262718	13.245	15.1322	No change
NM_023672	Ssbp3	0	1	-0.19583	1.89774	1.57289	No change
NM_023680	Tnfrsf22	0	1	-0.471108	0.153171	0.0946694	No change
NM_023684	Lime1	0	1	0.324329	6.7594	8.06228	No change
NM_023689	Spock3	0	1	-0.886145	0.0224165	0	No change
NM_023695	Crybb1	0	1	0.726832	1.2773	2.05587	No change
NM_023697	Rdh14	0	1	-0.139594	8.47489	7.31566	No change
NM_023707	1810009J06Rik	0	1	0.113855	0	0	No change
NM_023709	Capn9	0	1	-1.47111	0.0598223	0	No change
NM_023734	Pi16	0	1	-0.122213	1.61427	1.40704	No change
NM_023738	Uba7	0	1	0.347527	1.98367	2.40665	No change
NM_023741	Prf8a8	0	1	0.113855	0	0	No change
NM_023746	Prf5a1	0	1	0.113855	0	0	No change
NM_023784	Yipf7	0	1	-2.47111	0.285861	0	No change
NM_023785	Pbbp	0	1	0.113855	0.0645305	0.0664731	No change
NM_023824	Paqr4	0	1	0.323308	3.53052	4.20952	No change
NM_023844	Jam2	0	1	0.150381	3.37107	3.56198	No change
NM_023860	Krtap5-3	0	1	0.113855	0	0	No change
NM_023868	Ryr2	0	1	0.0632287	0.116065	0.115289	No change
NM_023876	Elp4	0	1	0.152674	3.91152	4.13966	No change
NM_023881	Retnlb	0	1	-1.47111	0.200267	0	No change
NM_023892	Icam4	0	1	0.113855	0.076839	0.0791521	No change
NM_023894	Rhox9	0	1	-0.886145	0.0790169	0	No change
NM_023900	Plekhj1	0	1	0.210259	13.5514	14.928	No change
NM_023903	Lipm	0	1	0.891462	0.154816	0.292373	No change

NM_023906	Asb3	0	1	-0.0814015	5.10001	4.58572	No change
NM_024170	Cxx1a	0	1	0.0555562	5.46611	5.40544	No change
NM_024174	Mrps23	0	1	0.287306	12.0972	14.0604	No change
NM_024185	Fam188a	0	1	0.124347	12.2478	12.7088	No change
NM_024194	Lrrc40	0	1	0.0347109	4.76882	4.64922	No change
NM_024195	Cyb5r4	0	1	-0.229153	7.74071	6.28069	No change
NM_024203	Fam120b	0	1	-0.132266	13.0626	11.3429	No change
NM_024208	Echdc3	0	1	0.321796	4.92312	5.86372	No change
NM_024215	Zfp593	0	1	0.143299	3.38589	3.56048	No change
NM_024216	Gpn3	0	1	0.416924	3.77793	4.81337	No change
NM_024217	Cmtm3	0	1	-0.0436865	2.45823	2.26568	No change
NM_024228	Gdpd3	0	1	-0.0381483	0.5873	0.53776	No change
NM_024231	Zfp1	0	1	0.168679	15.9831	17.1042	No change
NM_024233	Rexo2	0	1	-0.0436865	30.0166	27.7147	No change
NM_024240	Gins4	0	1	-0.152425	18.1386	15.5266	No change
NM_024242	Riok1	0	1	0.130065	4.4701	4.65699	No change
NM_024246	Tmem79	0	1	0.216948	3.99609	4.42358	No change
NM_024248	Cars2	0	1	0.24237	6.0275	6.79104	No change
NM_024253	Nkg7	0	1	-0.886145	0.942955	0.441519	No change
NM_024262	1200011M11Rik	0	1	0.0700597	6.49112	6.48593	No change
NM_024264	Cyp27a1	0	1	0.28617	4.90432	5.6977	No change
NM_024283	1500015O10Rik	0	1	0.265858	0.627864	0.727611	No change
NM_024285	Bves	0	1	0.113855	0.346947	0.357391	No change
NM_024286	Popdc3	0	1	-0.886145	0.112955	0.038785	No change
NM_024290	Tnfrsf23	0	1	-0.400718	0.191056	0.131205	No change
NM_024291	Ky	0	1	-2.20807	0.11511	0.0131751	No change
NM_024406	Fabp4	0	1	-1.16625	1.73961	0.67199	No change
NM_024413	Plekhf1	0	1	0.0504294	4.11273	4.05234	No change
NM_024414	Stx1b	0	1	0.741886	0.442776	0.729768	No change
NM_024435	Nts	0	1	-0.886145	0.0590618	0	No change
NM_024438	Dusp19	0	1	-0.400718	7.57428	5.44689	No change
NM_024439	H47	0	1	-0.0417644	33.7054	31.1637	No change
NM_024444	Cyp4f18	0	1	0.239386	0.409477	0.463984	No change
NM_024448	Rab12	0	1	0.254717	6.72658	7.64342	No change
NM_024467	Zfp319	0	1	0.00388197	1.83269	1.74801	No change
NM_024470	Klra23	0	1	0.698817	0.073984	0.152422	No change
NM_024473	BC005537	0	1	-0.0708574	31.1173	28.1986	No change
NM_024477	Ttc28	0	1	-0.183531	1.31228	1.09874	No change
NM_025274	Dppa5a	0	1	-2.20807	0.436263	0	No change
NM_025276	Evgl	0	1	-0.256983	0.806077	0.639588	No change
NM_025280	Kin	0	1	0.441909	4.7001	6.09104	No change
NM_025285	Stmn2	0	1	0.92121	0.10981	0.226232	No change
NM_025288	Stfa3	0	1	0.113855	0	0	No change
NM_025292	Synj2bp	0	1	-0.0442374	7.4197	6.84907	No change
NM_025297	Mecr	0	1	0.225748	3.17971	3.54391	No change
NM_025299	Txn14a	0	1	-0.0549643	2.77334	2.5394	No change
NM_025315	Med21	0	1	-0.111112	16.6191	14.6343	No change
NM_025316	Ndufb5	0	1	-0.0654689	26.7889	24.3615	No change
NM_025319	0610009B22Rik	0	1	0.0352144	32.9617	32.1479	No change
NM_025324	Zfp524	0	1	0.503267	4.41494	5.97717	No change
NM_025325	Haao	0	1	0.28378	0.398571	0.469222	No change
NM_025330	Hsd17b14	0	1	-0.471108	0.102114	0.0525941	No change
NM_025331	Gng11	0	1	0.590293	1.83402	2.66211	No change
NM_025347	Ypel3	0	1	0.278914	11.9933	13.861	No change
NM_025350	Cpa1	0	1	0.113855	0	0	No change
NM_025355	Tceal6	0	1	0.631703	2.68771	3.99196	No change
NM_025362	Dnajc30	0	1	0.352862	6.60881	8.04554	No change
NM_025363	1110001J03Rik	0	1	0.352015	18.3319	22.3024	No change
NM_025364	Sarnp	0	1	-0.122751	7.74366	6.75998	No change
NM_025373	1110008L16Rik	0	1	0.141336	4.62831	4.85977	No change
NM_025375	Wbscr22	0	1	0.180045	11.2958	12.1847	No change
NM_025377	Fam33a	0	1	-0.138911	2.84145	2.44802	No change
NM_025380	Eef1e1	0	1	0.12793	6.77477	7.04781	No change
NM_025382	Tmem57	0	1	0.0999425	18.9724	19.3558	No change
NM_025394	Tomm7	0	1	-0.00372732	68.1847	64.7349	No change
NM_025396	Pgls	0	1	0.140572	8.36631	8.78078	No change
NM_025397	Med11	0	1	0.329584	4.78208	5.73359	No change
NM_025404	Arl4d	0	1	0.0876233	5.54719	5.61029	No change
NM_025411	1110049F12Rik	0	1	0.0349471	28.0494	27.3534	No change
NM_025413	Lce1g	0	1	0.113855	0	0	No change
NM_025416	Them5	0	1	0.113855	0	0	No change
NM_025419	1110059G10Rik	0	1	0.227065	3.02742	3.37488	No change
NM_025420	Lce1m	0	1	0.113855	0	0	No change
NM_025422	Cd302	0	1	-0.384951	7.15226	5.19728	No change
NM_025423	1110059E24Rik	0	1	0.230331	16.2031	18.0986	No change
NM_025444	Taf13	0	1	0.271396	14.0035	16.0959	No change

NM_025447	Dimt1	0	1	0.162764	2.35505	2.51057	No change
NM_025449	Nicn1	0	1	-0.0256965	9.31228	8.70504	No change
NM_025450	Mrps17	0	1	0.159369	18.1225	19.2683	No change
NM_025452	Tmem54	0	1	0.265858	0.514339	0.596051	No change
NM_025453	Tm4sf20	0	1	-0.175652	0.463692	0.382121	No change
NM_025456	Eapp	0	1	-0.200405	34.4121	28.4961	No change
NM_025459	Fam134b	0	1	-0.190606	19.7678	16.4797	No change
NM_025463	1810009A15Rik	0	1	0.0932935	23.9109	24.2805	No change
NM_025465	1810029B16Rik	0	1	-0.351809	7.36644	5.4767	No change
NM_025466	Gkn1	0	1	0.113855	0	0	No change
NM_025467	Gkn2	0	1	-0.886145	0.0896949	0	No change
NM_025469	Clps	0	1	-2.6935	0.846473	0	No change
NM_025470	1810030J14Rik	0	1	0.113855	0	0	No change
NM_025475	Haus2	0	1	0.182386	5.43599	5.87353	No change
NM_025479	2810021B07Rik	0	1	0.154931	7.19882	7.63048	No change
NM_025501	Lce3b	0	1	0.113855	0	0	No change
NM_025507	Snw1	0	1	0.105795	44.3108	45.3902	No change
NM_025508	Gmpr	0	1	-0.533843	2.06298	1.33973	No change
NM_025518	Dus2l	0	1	0.149924	2.92261	3.08778	No change
NM_025524	Krtap3-3	0	1	1.52889	0.476045	1.47113	No change
NM_025525	Rnf113a2	0	1	-0.0646205	13.8476	12.5986	No change
NM_025526	Iscu	0	1	-0.00823699	32.8429	31.0797	No change
NM_025527	Srp19	0	1	0.143602	19.0144	19.9966	No change
NM_025531	Slmo2	0	1	0.149834	19.8191	20.9326	No change
NM_025532	Prl2b1	0	1	0.113855	0	0	No change
NM_025537	Tsfm	0	1	0.223479	6.67398	7.42246	No change
NM_025538	Alkbh7	0	1	-0.235479	6.85749	5.52829	No change
NM_025540	Sln	0	1	-0.471108	0.26805	0.13806	No change
NM_025544	Mrps15	0	1	0.456743	6.01826	7.88323	No change
NM_025548	Tbcb	0	1	0.128627	34.5791	35.9873	No change
NM_025553	Mrpl11	0	1	0.143001	5.90044	6.20262	No change
NM_025557	Pcp4l1	0	1	-0.301183	2.43372	1.86884	No change
NM_025563	2010012O05Rik	0	1	0.190476	3.49105	3.7941	No change
NM_025564	Magohb	0	1	0.0459507	7.82453	7.6852	No change
NM_025569	Mgst3	0	1	0.169998	13.7191	14.6974	No change
NM_025583	Ctrb1	0	1	1.69882	0	0.161874	No change
NM_025587	Rps21	0	1	0.320306	2.13891	2.57052	No change
NM_025590	Acot11	0	1	0.113855	0.762343	0.785293	No change
NM_025599	2610528E23Rik	0	1	0.445061	5.47545	7.11166	No change
NM_025600	Dda1	0	1	0.152125	11.3653	12.023	No change
NM_025604	Psmg3	0	1	0.286691	4.4856	5.21961	No change
NM_025606	Mrpl16	0	1	0.178625	12.0909	13.0297	No change
NM_025614	Rwdd1	0	1	-0.00279011	19.8387	18.8435	No change
NM_025615	2810004N23Rik	0	1	0.224137	10.7414	11.9478	No change
NM_025617	2210012G02Rik	0	1	-0.107703	3.20389	2.82886	No change
NM_025620	Rep15	0	1	-0.127153	0.851645	0.731069	No change
NM_025621	2310050C09Rik	0	1	0.113855	0	0	No change
NM_025622	Lgals2	0	1	-0.371572	0.706347	0.485074	No change
NM_025630	Aggf1	0	1	0.166825	13.3849	14.3043	No change
NM_025633	Metap1d	0	1	0.28378	3.04457	3.53538	No change
NM_025634	2310042E22Rik	0	1	0.113855	0	0	No change
NM_025642	2610039C10Rik	0	1	-0.24124	5.84348	4.69403	No change
NM_025645	Snrnp40	0	1	-0.191	9.17243	7.64022	No change
NM_025648	Farsa	0	1	-0.243697	7.7733	6.24099	No change
NM_025649	Mad2l1bp	0	1	-0.123474	9.69784	8.46592	No change
NM_025652	Gtf3a	0	1	0.0281249	5.53033	5.36496	No change
NM_025653	3110001I22Rik	0	1	0.233436	3.46085	3.87698	No change
NM_025655	Tmigd1	0	1	1.11385	0.510197	1.10367	No change
NM_025656	Sip1	0	1	-0.6935	2.58355	1.49294	No change
NM_025658	Ms4a4d	0	1	-0.0342438	1.90418	1.76535	No change
NM_025665	Snrnp27	0	1	0.0966181	35.0132	35.6379	No change
NM_025671	Ogfod2	0	1	0.120944	9.0943	9.41445	No change
NM_025677	Tsen15	0	1	0.350461	6.15662	7.48351	No change
NM_025684	Nepn	0	1	-0.886145	0.114689	0.0393807	No change
NM_025685	Col27a1	0	1	0.0763801	1.059	1.06266	No change
NM_025689	Ccdc51	0	1	0.476425	2.00618	2.66558	No change
NM_025696	Sorcs3	0	1	0.476425	0.0742204	0.10194	No change
NM_025700	Pgm1	0	1	0.323308	0.992868	1.18772	No change
NM_025710	Uqcrrf1	0	1	-0.147248	55.4146	47.6237	No change
NM_025712	Snx31	0	1	-1.88615	0.181021	0.0266386	No change
NM_025720	Krtap3-2	0	1	0.476425	0.405585	0.557059	No change
NM_025722	4921524J17Rik	0	1	-0.235479	8.08351	6.52645	No change
NM_025730	Lrrk2	0	1	-0.0601746	1.85453	1.69228	No change
NM_025736	Ttc35	0	1	0.297977	10.6359	12.4553	No change
NM_025757	4933439F18Rik	0	1	0.0719587	8.83833	8.84334	No change
NM_025773	Ube2w	0	1	0.0705398	20.9908	20.9822	No change

NM_025776	Rbm22	0	1	0.29492	5.73232	6.69911	No change
NM_025777	Duoxa2	0	1	0.113855	0	0	No change
NM_025779	Ccdc109b	0	1	-0.345577	0.528778	0.381287	No change
NM_025781	Tmem170	0	1	-0.238719	8.07046	6.50294	No change
NM_025784	Bcs1l	0	1	0.258245	2.85783	3.25787	No change
NM_025807	Slc16a9	0	1	0.0873826	1.05625	1.0679	No change
NM_025808	Lztr1	0	1	0.189686	7.04105	7.64569	No change
NM_025816	Tax1bp1	0	1	-0.0847286	53.1186	47.6785	No change
NM_025817	Tril	0	1	0.60366	0.598334	0.870924	No change
NM_025829	Eif4e3	0	1	0.239386	1.49758	1.6855	No change
NM_025832	Naa16	0	1	-0.258114	2.75175	2.18615	No change
NM_025834	Proz	0	1	0.265858	0.232504	0.269441	No change
NM_025839	Nudt16l1	0	1	0.108712	15.3171	15.7219	No change
NM_025842	Vps28	0	1	-0.0848563	56.2268	50.4565	No change
NM_025843	Ndufb7	0	1	0.2305	37.1347	41.4852	No change
NM_025849	3110001D03Rik	0	1	0.216425	18.2437	20.185	No change
NM_025859	Arl1	0	1	0.143299	24.0035	25.2377	No change
NM_025860	Ddx18	0	1	-0.219932	12.2714	10.0233	No change
NM_025864	Tmem206	0	1	0.168821	6.81346	7.2918	No change
NM_025866	Cdca7	0	1	-0.103737	1.4464	1.27709	No change
NM_025867	Serpib1	0	1	0.113855	0	0	No change
NM_025869	Dusp26	0	1	0.113855	0.119679	0.123282	No change
NM_025881	Luc7l	0	1	0.169708	9.32251	9.98389	No change
NM_025885	Med19	0	1	-0.0868425	15.6039	13.9816	No change
NM_025888	Kctd20	0	1	-0.0555304	9.6699	8.85422	No change
NM_025890	2410004A20Rik	0	1	-0.886145	0.124009	0.0425806	No change
NM_025894	Psmd12	0	1	0.125053	15.5323	16.1248	No change
NM_025895	Med28	0	1	0.0555562	12.3122	12.1799	No change
NM_025896	Prl3a1	0	1	0.113855	0	0	No change
NM_025899	Uqcrc2	0	1	-0.0781234	22.8483	20.5989	No change
NM_025903	Ifrd2	0	1	0.326849	3.06227	3.66206	No change
NM_025904	1600012F09Rik	0	1	0.0440334	7.7076	7.56354	No change
NM_025915	Tmem88	0	1	0.00547865	6.63952	6.34116	No change
NM_025927	Mrpl45	0	1	-0.110932	5.73368	5.04988	No change
NM_025928	Pmf1	0	1	-0.41666	6.32295	4.48694	No change
NM_025933	Higd2a	0	1	-0.0341212	36.0402	33.4946	No change
NM_025935	Tbc1d7	0	1	-0.350651	11.2449	8.3767	No change
NM_025957	Ceacam14	0	1	0.113855	0	0	No change
NM_025962	Mmachc	0	1	-0.101989	14.5164	12.8703	No change
NM_025969	1700034H14Rik	0	1	-0.0158363	11.6597	10.9734	No change
NM_025970	Zbtb8os	0	1	0.435783	10.4539	13.488	No change
NM_025973	Pgc	0	1	-0.886145	0.0503562	0	No change
NM_025980	Nrarp	0	1	0.00138008	1.05554	1.00368	No change
NM_025984	Lce1a1	0	1	-3.05607	0.787491	0	No change
NM_025989	Gp2	0	1	-0.886145	0.035234	0	No change
NM_025990	2310021H06Rik	0	1	0.113855	0	0	No change
NM_025995	Fbxo5	0	1	-0.112916	2.08269	1.82755	No change
NM_025996	Tommm34	0	1	0.0884397	25.9872	26.3015	No change
NM_025998	Nkain1	0	1	-0.754901	1.11967	0.618888	No change
NM_026000	Psmd9	0	1	0.119829	6.45554	6.67759	No change
NM_026001	Rnaseh2b	0	1	-0.0787903	0.717498	0.640551	No change
NM_026004	Nt5c3	0	1	0.255707	11.2341	12.7724	No change
NM_026006	Sft2d3	0	1	0.314674	3.79467	4.49652	No change
NM_026011	Arl8b	0	1	0.0251455	32.7043	31.6783	No change
NM_026014	Cdt1	0	1	-0.0116761	0.349896	0.327663	No change
NM_026015	Zmat5	0	1	-0.208073	5.21151	4.27652	No change
NM_026017	Ctdnep1	0	1	-0.146909	5.44071	4.67042	No change
NM_026025	Zcrb1	0	1	-0.102957	25.3122	22.4238	No change
NM_026031	Utp11l	0	1	0.225646	15.3573	17.1003	No change
NM_026032	Lsm1	0	1	0.198517	5.34509	5.84062	No change
NM_026035	Mrpl55	0	1	0.104753	14.1173	14.4502	No change
NM_026039	Med18	0	1	0.370491	4.65451	5.73643	No change
NM_026040	Srfbp1	0	1	0.245766	4.43024	5.00525	No change
NM_026041	Rrp15	0	1	-0.326187	11.0888	8.40422	No change
NM_026043	Rnpc3	0	1	0.18655	12.0311	13.0354	No change
NM_026045	Prpf18	0	1	0.0394049	13.7834	13.4832	No change
NM_026058	Lass4	0	1	0.454892	1.69102	2.21166	No change
NM_026061	Ndufb8	0	1	-0.10679	119.489	105.614	No change
NM_026066	Cmtm5	0	1	-0.886145	0.0783067	0	No change
NM_026075	Srek1ip1	0	1	0.138837	9.4135	9.86701	No change
NM_026083	Zc3h13	0	1	0.243138	3.61438	4.07333	No change
NM_026085	Pblid2	0	1	-0.0512044	1.13476	1.03904	No change
NM_026095	Snrpd3	0	1	-0.0740781	15.0001	13.55	No change
NM_026109	Tmed11	0	1	-0.886145	0.0913407	0	No change
NM_026110	Gcfc1	0	1	0.137148	17.9676	18.81	No change
NM_026115	Hat1	0	1	-0.118947	11.2322	9.83937	No change

NM_026116	Bbs2	0	1	0.0212887	16.7197	16.1511	No change
NM_026119	Med4	0	1	0.0929458	14.8044	15.0299	No change
NM_026120	2410127L17Rik	0	1	0.128428	13.0799	13.6108	No change
NM_026122	Hmgn3	0	1	0.393009	6.73214	8.43209	No change
NM_026138	6330407J23Rik	0	1	1.69882	0	0.0363867	No change
NM_026140	Ears2	0	1	0.281799	6.07831	7.03909	No change
NM_026146	Eps81	0	1	0.489364	0.994824	1.3379	No change
NM_026152	Hoga1	0	1	0.528892	2.51491	3.4688	No change
NM_026154	Mrpl10	0	1	0.0950368	19.1428	19.463	No change
NM_026157	Mtpap	0	1	0.13786	7.80792	8.17838	No change
NM_026159	Retsat	0	1	0.301715	5.39698	6.33777	No change
NM_026165	Slc25a46	0	1	-0.0403408	13.9832	12.9424	No change
NM_026167	Kihl13	0	1	0.179443	0.908474	0.980386	No change
NM_026171	Nvl	0	1	-0.107075	11.2055	9.90059	No change
NM_026174	Entpd4	0	1	-0.101401	31.1178	27.6083	No change
NM_026181	Gpatch1	0	1	-0.065593	3.87563	3.52262	No change
NM_026183	Slc47a1	0	1	0.628428	0.529179	0.790409	No change
NM_026186	Cwc25	0	1	0.241345	3.85661	4.34176	No change
NM_026187	Ankzf1	0	1	-0.124151	12.0821	10.5491	No change
NM_026194	1810074P20Rik	0	1	0.0675757	17.2986	17.2563	No change
NM_026197	Mettl16	0	1	0.0182026	6.76929	6.52405	No change
NM_026206	Pr17c1	0	1	0.113855	0	0	No change
NM_026214	Kctd4	0	1	0.385157	1.31758	1.64298	No change
NM_026217	Atg12	0	1	0.0972979	26.9319	27.4258	No change
NM_026234	Pigm	0	1	0.0765095	5.3957	5.41586	No change
NM_026238	Narfl	0	1	-0.301183	6.1919	4.7767	No change
NM_026240	Gramd3	0	1	0.0161581	4.46784	4.29919	No change
NM_026241	Ankrd39	0	1	0.0253181	3.23881	3.13533	No change
NM_026251	Patl2	0	1	-0.886145	0.257698	0.11798	No change
NM_026254	Tbc1d23	0	1	-0.0501209	18.4639	16.9741	No change
NM_026270	Akt1s1	0	1	0.165694	7.19895	7.68864	No change
NM_026271	Fibin	0	1	-0.433633	1.88632	1.31854	No change
NM_026277	Nob1	0	1	-0.085454	6.51652	5.84092	No change
NM_026279	Bend5	0	1	0.410837	2.63352	3.34186	No change
NM_026280	Mxra7	0	1	0.00888525	2.2625	2.16413	No change
NM_026302	Dctn4	0	1	0.0459322	17.5264	17.2229	No change
NM_026304	I7Rn6	0	1	0.295185	7.40279	8.65614	No change
NM_026308	Rpp21	0	1	-0.123942	28.2953	24.6961	No change
NM_026309	Lsm3	0	1	-0.206186	20.9852	17.2935	No change
NM_026318	2310003F16Rik	0	1	0.278242	26.6541	30.7845	No change
NM_026321	Fam174a	0	1	0.157947	9.55921	10.1536	No change
NM_026328	Reg4	0	1	-1.88615	0.204778	0	No change
NM_026334	Lipf	0	1	-1.65168	0.824159	0.212242	No change
NM_026335	Lce1h	0	1	0.113855	0	0	No change
NM_026336	2310057J18Rik	0	1	1.11385	0	0.0544283	No change
NM_026344	Dph2	0	1	-0.310285	2.89697	2.21682	No change
NM_026352	Ppid	0	1	-0.197678	9.71991	8.05987	No change
NM_026360	Ddx47	0	1	-0.0646833	7.42759	6.75584	No change
NM_026364	Prpsap1	0	1	-0.116999	14.8489	13.0284	No change
NM_026374	Ilf2	0	1	0.139111	15.9661	16.7379	No change
NM_026376	Plxnd1	0	1	0.176139	2.04831	2.20352	No change
NM_026377	6330577E15Rik	0	1	-0.167795	20.5601	17.4149	No change
NM_026380	Rgs8	0	1	-1.88615	0.0360232	0	No change
NM_026385	Plip	0	1	-0.65168	1.8447	1.10214	No change
NM_026390	Ubxn4	0	1	0.0995642	18.9855	19.3641	No change
NM_026392	Tmem70	0	1	0.144749	9.25484	9.74069	No change
NM_026394	Lce1f	0	1	0.113855	0	0	No change
NM_026396	Brix1	0	1	-0.229823	10.5038	8.52078	No change
NM_026401	Mrp63	0	1	-0.0520571	10.7497	9.86701	No change
NM_026405	Rab32	0	1	0.215734	1.35721	1.50293	No change
NM_026414	Asprv1	0	1	-0.6935	0.273127	0.140675	No change
NM_026415	2310002J15Rik	0	1	-0.886145	0.267707	0.0919219	No change
NM_026419	Cela3b	0	1	-1.47111	0.155391	0	No change
NM_026420	Paip2	0	1	0.128754	56.5276	58.8343	No change
NM_026421	Enoph1	0	1	0.25079	8.76401	9.93063	No change
NM_026429	Tpbpb	0	1	0.113855	0	0	No change
NM_026431	1810043G02Rik	0	1	-0.214378	7.02682	5.75682	No change
NM_026439	Ccdc80	0	1	0.134033	1.33731	1.39725	No change
NM_026443	Mtfp1	0	1	-0.586585	3.84409	2.41703	No change
NM_026445	Sumf2	0	1	0.427963	2.35427	3.02313	No change
NM_026446	Rgs19	0	1	-0.305684	5.07032	3.89258	No change
NM_026453	Mak16	0	1	0.0525847	18.0143	17.7834	No change
NM_026460	Serpini2	0	1	-2.47111	0.247138	0	No change
NM_026464	Wdr55	0	1	0.425056	4.97807	6.37396	No change
NM_026474	Sugt1	0	1	-0.116151	10.1449	8.90488	No change
NM_026479	Zcchc10	0	1	-0.886145	1.94054	0.97092	No change

NM_026480	Ooep	0	1	0.113855	0.0577406	0.0594789	No change
NM_026492	Ssxb1	0	1	-1.10854	0.477894	0.164094	No change
NM_026498	Mrps11	0	1	-0.499963	6.68197	4.47403	No change
NM_026500	Ddx59	0	1	0.240612	3.03421	3.41555	No change
NM_026501	Fam134c	0	1	0.0413754	20.2116	19.7988	No change
NM_026503	1110058L19Rik	0	1	0.0984248	19.5391	19.912	No change
NM_026504	Coq5	0	1	0.296547	6.93098	8.10833	No change
NM_026505	Bambi	0	1	-0.222012	3.58144	2.92007	No change
NM_026506	Snrpg	0	1	0.238867	40.9646	46.0339	No change
NM_026510	Ftsj2	0	1	0.376889	2.36657	2.93532	No change
NM_026513	Pdf	0	1	0.237726	6.53371	7.33801	No change
NM_026515	2810417H13Rik	0	1	-0.129416	1.66422	1.44364	No change
NM_026516	Tmem178	0	1	-0.623111	0.16437	0.0846592	No change
NM_026517	Rpl22l1	0	1	0.27923	35.9423	41.5394	No change
NM_026519	Tmem85	0	1	0.193958	41.2439	44.9154	No change
NM_026520	Fam122a	0	1	0.330666	4.52018	5.41819	No change
NM_026523	Nmb	0	1	-0.365313	4.47387	3.27719	No change
NM_026527	Chac2	0	1	-0.0667174	3.51613	3.18951	No change
NM_026529	2700062C07Rik	0	1	-0.00694333	16.7479	15.8608	No change
NM_026534	Ubxn2b	0	1	0.210789	3.79742	4.18465	No change
NM_026535	Serpina12	0	1	0.113855	0	0	No change
NM_026547	1520402A15Rik	0	1	-0.310643	7.42349	5.68492	No change
NM_026557	Rchy1	0	1	0.0532285	17.1841	16.9714	No change
NM_026571	Lhfp15	0	1	-0.886145	0.0558885	0	No change
NM_026574	Ino80	0	1	-0.0578197	7.9823	7.29884	No change
NM_026576	Etaa1	0	1	0.180197	2.80966	3.03125	No change
NM_026588	Stx19	0	1	0.376889	3.46118	4.29054	No change
NM_026591	Mrpl24	0	1	-0.220693	35.7644	29.2005	No change
NM_026597	6230427J02Rik	0	1	1.00694	0.853919	1.69159	No change
NM_026598	Ebpl	0	1	0.336247	1.77839	2.14301	No change
NM_026599	Cgnl1	0	1	0.0799768	10.2156	10.2786	No change
NM_026601	Hyi	0	1	0.528892	1.75761	2.44026	No change
NM_026602	Bcas2	0	1	-0.102326	15.1914	13.464	No change
NM_026610	Ndufb4	0	1	0.225301	59.1008	65.782	No change
NM_026612	Ndufb2	0	1	0.573286	4.74831	6.78464	No change
NM_026614	Ndufa5	0	1	0.127176	68.2965	71.0064	No change
NM_026620	Fam98b	0	1	0.541948	2.02226	2.81609	No change
NM_026629	2410066E13Rik	0	1	0.12793	4.11637	4.28227	No change
NM_026633	Fam195a	0	1	-0.371572	7.08887	5.19077	No change
NM_026635	Fam96a	0	1	0.206964	18.2993	20.1106	No change
NM_026636	5430437P03Rik	0	1	0.138623	10.0687	10.5522	No change
NM_026640	Fam111a	0	1	0.476425	0.89322	1.18941	No change
NM_026642	Trmt12	0	1	-0.0477343	2.52938	2.3276	No change
NM_026655	2310057M21Rik	0	1	-0.163679	5.00505	4.24779	No change
NM_026664	Vps53	0	1	0.220537	10.939	12.1351	No change
NM_026670	Zmyrn1	0	1	-0.273627	4.38309	3.44717	No change
NM_026671	Lypd2	0	1	-0.886145	0.141652	0	No change
NM_026674	Aph1c	0	1	0.0222243	2.6076	2.51995	No change
NM_026677	Rab13	0	1	0.229332	2.27755	2.54721	No change
NM_026678	Blvra	0	1	0.481587	3.63356	4.84742	No change
NM_026685	Tmem174	0	1	0.113855	0	0	No change
NM_026690	Aspdh	0	1	-1.10854	0.432875	0.148636	No change
NM_026700	Dopey2	0	1	0.331446	3.58275	4.3057	No change
NM_026701	Pbld1	0	1	0.573286	0.251081	0.369485	No change
NM_026703	Ndufa8	0	1	0.175916	42.8154	46.0473	No change
NM_026712	Zfp414	0	1	0.376889	5.18071	6.41672	No change
NM_026713	Mogat1	0	1	-0.301183	0.173366	0.119056	No change
NM_026716	Sycn	0	1	0.113855	0	0	No change
NM_026730	Gpihbp1	0	1	1.3065	0.524665	1.35115	No change
NM_026731	Ppp1r14a	0	1	0.376889	0.524994	0.675998	No change
NM_026741	Zfp579	0	1	0.613426	0.903845	1.33008	No change
NM_026743	Tspan11	0	1	0.714247	0.496742	0.784601	No change
NM_026744	Mrpl53	0	1	-0.0392619	32.2611	29.8743	No change
NM_026746	Nsmce2	0	1	0.177985	7.98755	8.60487	No change
NM_026753	Fam96b	0	1	-0.0550221	17.5257	16.0474	No change
NM_026759	Mrpl13	0	1	-0.158979	28.7284	24.4783	No change
NM_026760	2310036O22Rik	0	1	-0.131111	28.4397	24.7083	No change
NM_026768	Mrps18a	0	1	-0.247482	13.3901	10.7188	No change
NM_026772	Cdc42ep2	0	1	0.509783	0.841363	1.15559	No change
NM_026778	Cthrc1	0	1	-0.208073	0.838231	0.678437	No change
NM_026788	Mthfd2l	0	1	0.409311	2.01873	2.55939	No change
NM_026790	Ifi271l	0	1	0.311301	4.8977	5.79509	No change
NM_026791	Fbxw9	0	1	-0.173722	9.3832	7.91182	No change
NM_026792	Agpat5	0	1	0.219348	2.62099	2.90614	No change
NM_026793	Myct1	0	1	0.833747	0.401544	0.698004	No change
NM_026796	Smyd2	0	1	0.148206	10.7688	11.3613	No change

NM_026798	Tmem216	0	1	0.0365491	7.24908	7.07429	No change
NM_026806	Klk5	0	1	0.113855	0	0	No change
NM_026807	Krtap4-2	0	1	0.113855	0	0	No change
NM_026811	Lce1e	0	1	0.113855	0	0	No change
NM_026812	Hddc3	0	1	0.44102	4.37607	5.6765	No change
NM_026816	Gif2f2	0	1	-0.129416	21.9958	19.1345	No change
NM_026818	Cilp2	0	1	1.98832	0.0346559	0.178496	No change
NM_026822	Lce1b	0	1	-2.47111	0.538585	0	No change
NM_026826	Mrps18c	0	1	0.276126	5.69205	6.57846	No change
NM_026827	Tmem219	0	1	0.0653563	26.7255	26.6174	No change
NM_026831	Mybphl	0	1	1.69882	0	0.112525	No change
NM_026834	Krtap4-6	0	1	0.113855	0	0	No change
NM_026835	Ms4a6d	0	1	0.158249	1.57584	1.67565	No change
NM_026844	2310061C15Rik	0	1	-0.352463	5.03338	3.73911	No change
NM_026855	Arv1	0	1	-0.484047	3.29022	2.21843	No change
NM_026860	Gkn3	0	1	2.11385	0	0.271593	No change
NM_026869	Pygo2	0	1	0.21007	8.30761	9.14959	No change
NM_026886	Srrm4	0	1	0.528892	0.0186469	0.0288124	No change
NM_026890	Ngdn	0	1	0.186611	6.67891	7.23892	No change
NM_026894	1500001M20Rik	0	1	0.499746	4.42305	5.97232	No change
NM_026896	Med27	0	1	-0.0180569	5.77003	5.41929	No change
NM_026897	Haghl	0	1	-0.107703	15.8493	13.9941	No change
NM_026900	Zfp580	0	1	0.274319	1.01188	1.17263	No change
NM_026906	Cts3	0	1	0.113855	0	0	No change
NM_026907	Sectm1b	0	1	0.515953	0.810383	1.11304	No change
NM_026912	Snx15	0	1	-0.257401	5.33664	4.23944	No change
NM_026918	Zg16	0	1	0.113855	0	0	No change
NM_026922	Atp2c2	0	1	-0.6935	0.129742	0.0668237	No change
NM_026925	Phlip	0	1	-1.47111	0.0937363	0	No change
NM_026929	Chac1	0	1	0.330666	1.59907	1.92175	No change
NM_026942	Stoml1	0	1	0.140086	3.78614	3.97234	No change
NM_026945	Adh6a	0	1	0.113855	0	0	No change
NM_026947	Eci3	0	1	-0.191	5.38489	4.48027	No change
NM_026951	Pex11c	0	1	0.073308	26.7383	26.7782	No change
NM_026956	Cd209f	0	1	-0.491866	2.13666	1.42417	No change
NM_026959	Stx18	0	1	0.122844	7.09422	7.35375	No change
NM_026960	Gsdmd	0	1	-0.659869	2.04056	1.21269	No change
NM_026963	Lzic	0	1	-0.357217	5.4515	4.04001	No change
NM_026967	Rhebl1	0	1	0.113855	1.32147	1.36125	No change
NM_026968	Manbal	0	1	0.378997	7.11409	8.81985	No change
NM_026975	Bola1	0	1	0.14862	15.5829	16.4459	No change
NM_026976	Faim3	0	1	-0.345577	1.49576	1.10744	No change
NM_026977	1810031K17Rik	0	1	-0.0741588	15.8069	14.29	No change
NM_026979	C1qtnf2	0	1	0.45089	1.0359	1.36349	No change
NM_026981	Dtdw1	0	1	-0.44874	4.92988	3.42116	No change
NM_026983	Erp27	0	1	-2.20807	0.29252	0	No change
NM_026985	1810033B17Rik	0	1	-1.10854	0.369397	0.126839	No change
NM_026991	Sat2	0	1	0.430328	4.10888	5.29072	No change
NM_026994	Cryz1	0	1	-0.017184	13.2843	12.4925	No change
NM_026999	Zfp688	0	1	0.100308	7.27111	7.41934	No change
NM_027000	Gtpbp4	0	1	-0.0070327	22.9593	21.7472	No change
NM_027002	Polr2d	0	1	0.230264	8.60227	9.61218	No change
NM_027010	Crygf	0	1	0.113855	0	0	No change
NM_027017	3300002I08Rik	0	1	0.435783	0.752856	0.997097	No change
NM_027030	Dcps	0	1	0.0383038	17.1022	16.7152	No change
NM_027060	Btbd9	0	1	-0.155933	10.0011	8.5433	No change
NM_027067	1700014N06Rik	0	1	-3.05607	0.5315	0	No change
NM_027087	Krtap4-13	0	1	0.113855	0	0	No change
NM_027093	2310003L22Rik	0	1	-0.0381483	0.994885	0.919723	No change
NM_027097	Klk12	0	1	-0.886145	0.0749386	0	No change
NM_027102	Esam	0	1	0.464762	2.55616	3.36883	No change
NM_027104	2310002L09Rik	0	1	0.113855	0	0	No change
NM_027105	Krtap26-1	0	1	-1.88615	0.214881	0	No change
NM_027111	Lyg1	0	1	0.113855	0	0	No change
NM_027112	Capns2	0	1	-1.47111	0.961282	0.28292	No change
NM_027113	Wdr5b	0	1	0.252683	3.82628	4.34366	No change
NM_027117	Klhdc2	0	1	0.0799075	13.824	13.9081	No change
NM_027120	Itgb1bp3	0	1	-0.819031	0.757532	0.390168	No change
NM_027122	Mfsd3	0	1	-0.367272	2.12067	1.55564	No change
NM_027123	Fastkd3	0	1	0.238551	4.21934	4.74149	No change
NM_027128	Odum	0	1	0.435783	0.882189	1.15659	No change
NM_027129	2310035K24Rik	0	1	0.499746	3.60145	4.86294	No change
NM_027130	Afg3l2	0	1	0.10402	16.7509	17.1378	No change
NM_027132	Otop3	0	1	-2.20807	0.1151	0	No change
NM_027134	Mtfmt	0	1	0.286691	1.84301	2.14459	No change
NM_027137	Lce1d	0	1	0.113855	0	0	No change

NM_027147	Enho	0	1	-0.484047	3.07387	2.07255	No change
NM_027149	Wdr20a	0	1	-0.22318	10.9981	8.96278	No change
NM_027152	Cd164l2	0	1	0.620815	1.27228	1.89307	No change
NM_027153	Pir	0	1	0.599282	0.391778	0.582937	No change
NM_027155	2310061N02Rik	0	1	-1.88615	0.263988	0	No change
NM_027156	Ddx51	0	1	-0.0310188	2.24352	2.08884	No change
NM_027157	Krtap1-5	0	1	0.113855	0	0	No change
NM_027159	Ccdc115	0	1	0.251358	8.13425	9.22125	No change
NM_027161	Tmem52	0	1	-1.20807	2.51068	0.980995	No change
NM_027163	Il1f8	0	1	0.113855	0	0	No change
NM_027170	2310057N15Rik	0	1	-0.886145	0.0679268	0	No change
NM_027173	2310079G19Rik	0	1	-0.886145	0.0792866	0	No change
NM_027175	Ndufaf1	0	1	0.28554	8.69361	10.0933	No change
NM_027184	lpmk	0	1	0.17596	4.3743	4.70478	No change
NM_027189	Gemin7	0	1	-0.396629	13.7011	9.87949	No change
NM_027194	Tm2d2	0	1	0.097795	29.4332	29.983	No change
NM_027206	Tnfaip8l2	0	1	0.245099	1.2423	1.40767	No change
NM_027209	Ms4a6b	0	1	0.113855	1.94165	2.0001	No change
NM_027210	Ceacam13	0	1	0.113855	0	0	No change
NM_027211	Anxa13	0	1	0.755401	1.35107	2.2036	No change
NM_027213	Med6	0	1	0.297773	15.7573	18.4483	No change
NM_027217	1810046K07Rik	0	1	-0.400718	0.4759	0.326818	No change
NM_027219	Cdc42ep1	0	1	-0.0745903	1.316	1.18616	No change
NM_027220	Prss32	0	1	-0.886145	0.0477349	0	No change
NM_027221	Krtcap3	0	1	0.296058	3.93179	4.60606	No change
NM_027227	Glod5	0	1	0.113855	0.10371	0.106832	No change
NM_027231	Polr2f	0	1	0.635808	5.09295	7.59328	No change
NM_027236	Eif1ad	0	1	0.17607	8.29879	8.92662	No change
NM_027237	2010003K11Rik	0	1	-3.05607	0.477758	0	No change
NM_027238	Ttc39b	0	1	-0.000136296	4.49298	4.276	No change
NM_027241	Polr3gl	0	1	-0.333604	6.66109	5.0182	No change
NM_027249	Tlcd2	0	1	0.239386	1.28382	1.44841	No change
NM_027250	2010305A19Rik	0	1	0.34832	2.44749	2.97049	No change
NM_027256	Ints4	0	1	-0.102279	9.86099	8.7415	No change
NM_027261	Taf1d	0	1	0.299158	10.0292	11.7543	No change
NM_027266	Rg9mtd3	0	1	-0.360826	3.65173	2.69704	No change
NM_027276	Cdc16	0	1	0.206421	10.3399	11.3591	No change
NM_027278	2810432D09Rik	0	1	0.273796	11.9616	13.7763	No change
NM_027286	Ace2	0	1	0.541948	1.10106	1.53328	No change
NM_027292	Tspo2	0	1	1.11385	0	0.0767818	No change
NM_027301	Sdr9c7	0	1	0.113855	0.269085	0.277185	No change
NM_027308	2210010C17Rik	0	1	-0.471108	0.0735546	0.0378844	No change
NM_027309	Lysmd2	0	1	0.113855	1.33578	1.37599	No change
NM_027315	Ube2q1	0	1	-0.04197	9.47788	8.76125	No change
NM_027321	Lrrc39	0	1	-1.38865	0.387183	0.124637	No change
NM_027340	Lipn	0	1	0.113855	0	0	No change
NM_027343	Cd209g	0	1	-1.76061	0.837656	0.172574	No change
NM_027344	Ctsll3	0	1	0.113855	0	0	No change
NM_027346	Taco1	0	1	0.409311	2.24143	2.84587	No change
NM_027349	Rbm25	0	1	-0.0829017	20.5926	18.506	No change
NM_027351	Ppil3	0	1	0.309642	13.2417	15.6345	No change
NM_027356	Ufsp1	0	1	0.517211	4.26834	5.83842	No change
NM_027381	2510012J08Rik	0	1	0.0723355	3.58187	3.58428	No change
NM_027384	Tet1	0	1	0.313792	0.363763	0.431177	No change
NM_027391	lyd	0	1	-0.514176	1.49342	0.978968	No change
NM_027394	Ube2cbp	0	1	-0.0925961	1.10563	0.981824	No change
NM_027397	Isl2	0	1	-0.886145	0.112955	0.038785	No change
NM_027399	Steap1	0	1	0.265858	0.974326	1.12173	No change
NM_027403	Psg21	0	1	-0.886145	0.0322802	0	No change
NM_027410	Tecpr1	0	1	0.0242795	4.99003	4.82976	No change
NM_027421	Ints2	0	1	0.0709462	9.62662	9.62547	No change
NM_027422	Mier2	0	1	0.0207454	4.76045	4.59552	No change
NM_027423	Polr3b	0	1	0.244749	5.15122	5.81165	No change
NM_027432	Wdr77	0	1	-0.0306891	9.6507	8.99155	No change
NM_027444	Bbx	0	1	0.00216107	40.9771	39.0654	No change
NM_027450	Glipr2	0	1	0.38037	2.34726	2.91573	No change
NM_027452	Lrln2	0	1	-1.47111	0.0464465	0	No change
NM_027454	Chrn3	0	1	-2.20807	0.0613494	0	No change
NM_027457	5730437N04Rik	0	1	0.0883197	40.8396	41.3297	No change
NM_027464	5730469M10Rik	0	1	0.0721058	26.9794	26.9975	No change
NM_027469	Gfod2	0	1	-0.0601746	1.4719	1.33991	No change
NM_027475	Ecd	0	1	0.0424358	20.2946	19.8947	No change
NM_027477	Zfp398	0	1	0.2786	4.94944	5.71768	No change
NM_027491	Rragd	0	1	0.227437	4.03217	4.49494	No change
NM_027493	Actr8	0	1	-0.218721	11.139	9.10503	No change
NM_027500	4933434E20Rik	0	1	-0.0966439	19.0359	16.938	No change

NM_027511	Hrct1	0	1	-0.108538	0.458004	0.39316	No change
NM_027514	Pvr	0	1	0.330347	2.50972	3.00786	No change
NM_027518	Gpr137c	0	1	0.350894	0.76993	0.93998	No change
NM_027519	6330406115Rik	0	1	0.364398	1.38126	1.69742	No change
NM_027526	Rasgef1a	0	1	0.113855	0	0	No change
NM_027533	Tspan2	0	1	0.292561	1.47829	1.72583	No change
NM_027543	Gpr173	0	1	0.698817	0.0650525	0.111685	No change
NM_027545	Cwf1912	0	1	0.14986	4.86599	5.1396	No change
NM_027547	Prdm5	0	1	-0.284695	0.894318	0.690931	No change
NM_027548	Serpnb7	0	1	-0.886145	0.0369332	0	No change
NM_027551	Klhl30	0	1	-0.6935	0.138463	0.0713155	No change
NM_027552	Kynu	0	1	-2.20807	0.102002	0	No change
NM_027554	Usp38	0	1	0.115793	11.0527	11.4007	No change
NM_027563	Krt34	0	1	0.113855	0	0	No change
NM_027568	Krtap31-1	0	1	0.113855	0	0	No change
NM_027571	P2ry12	0	1	0.55126	1.40101	1.96519	No change
NM_027574	Krt28	0	1	-1.88615	0.140416	0	No change
NM_027671	Sntg1	0	1	0.482242	0.897548	1.19851	No change
NM_027698	Eri2	0	1	0.0125715	5.74103	5.51155	No change
NM_027700	4933416108Rik	0	1	-2.47111	0.276121	0	No change
NM_027748	Taf3	0	1	-0.337709	2.30618	1.73314	No change
NM_027762	Tchhl1	0	1	0.698817	0.708399	1.11196	No change
NM_027763	Trem1	0	1	0.113855	0	0	No change
NM_027768	5430402E10Rik	0	1	0.528892	0.436673	0.629745	No change
NM_027770	Col24a1	0	1	-1.76061	0.0976502	0.020118	No change
NM_027771	Krtap7-1	0	1	0.113855	0	0	No change
NM_027773	Fam57a	0	1	0.3065	0.449632	0.540362	No change
NM_027782	Kctd6	0	1	0.364178	3.9752	4.879	No change
NM_027784	5530400C23Rik	0	1	0.113855	0	0	No change
NM_027788	Fam83c	0	1	-0.400718	0.268394	0.184316	No change
NM_027790	Dhrs2	0	1	-3.20807	0.492723	0	No change
NM_027793	Amtn	0	1	3.11385	0	0.491719	No change
NM_027799	Ankrd40	0	1	-0.0758787	9.85637	8.89937	No change
NM_027800	Krtap2-4	0	1	-1.88615	0.251902	0	No change
NM_027802	Obox1	0	1	0.113855	0	0	No change
NM_027817	Grap	0	1	0.557461	1.04605	1.48161	No change
NM_027827	Afmid	0	1	-0.16032	1.52416	1.29298	No change
NM_027832	Sval1	0	1	0.113855	0	0	No change
NM_027837	Isx	0	1	0.113855	0	0	No change
NM_027839	Ceacam20	0	1	-1.20807	0.33703	0.123991	No change
NM_027840	Snx20	0	1	0.528892	0.680405	0.951205	No change
NM_027843	Arl14	0	1	1.11385	0	0.0598258	No change
NM_027844	Krtap5-2	0	1	0.113855	0	0	No change
NM_027853	Mettl7b	0	1	-0.886145	0.397596	0.175528	No change
NM_027859	Rnf215	0	1	0.138517	4.13982	4.33861	No change
NM_027865	Tmem25	0	1	0.611354	0.473699	0.701441	No change
NM_027866	Colec11	0	1	-1.07879	0.755889	0.311458	No change
NM_027869	Pnpt1	0	1	-0.178596	2.78359	2.33639	No change
NM_027873	Ubiad1	0	1	0.00951815	5.02165	4.81024	No change
NM_027886	Stk11ip	0	1	0.0912534	3.00158	3.04363	No change
NM_027895	Ulk3	0	1	0.423183	2.24418	2.87062	No change
NM_027897	Rhpn2	0	1	0.00621409	3.08035	2.94345	No change
NM_027898	Gramd1a	0	1	-0.0555707	9.35825	8.56886	No change
NM_027901	Gtf3c2	0	1	-0.159414	14.7165	12.5409	No change
NM_027902	Tmprss6	0	1	-0.208073	0.196503	0.157436	No change
NM_027903	Dhdh	0	1	0.134916	5.16715	5.40137	No change
NM_027904	Cpn2	0	1	-0.886145	0.0152102	0	No change
NM_027906	1300010F03Rik	0	1	0.0145827	3.92325	3.77193	No change
NM_027909	C2cd2l	0	1	0.219649	2.94273	3.26323	No change
NM_027912	Tysnd1	0	1	-0.0850493	3.99378	3.58013	No change
NM_027913	Vvce	0	1	-3.20807	0.177185	0	No change
NM_027921	Slc16a14	0	1	-1.32672	0.534046	0.183374	No change
NM_027922	Ankle2	0	1	-0.0605576	12.8937	11.7679	No change
NM_027926	Cpa4	0	1	0.113855	0	0	No change
NM_027927	Ints12	0	1	0.219389	5.20654	5.77214	No change
NM_027976	Acs15	0	1	0.0756716	5.90543	5.92372	No change
NM_027983	Krt33a	0	1	1.11385	0	0.0427582	No change
NM_027990	Lypd6b	0	1	-0.301183	0.457503	0.345602	No change
NM_027996	2310021P13Rik	0	1	0.00956307	9.20516	8.82017	No change
NM_027997	Serpina9	0	1	-1.88615	0.123423	0	No change
NM_027998	Cldn23	0	1	0.561314	1.20485	1.70654	No change
NM_028001	Jsrp1	0	1	-2.20807	0.56204	0.0643288	No change
NM_028003	Rpap3	0	1	0.270111	8.32615	9.56154	No change
NM_028005	2310047M10Rik	0	1	-0.224015	7.00023	5.69706	No change
NM_028006	Tube1	0	1	-0.38091	0.713823	0.514718	No change
NM_028009	Rpusd1	0	1	0.62405	1.30956	1.93916	No change

NM_028011	Tom11l	0	1	0.279706	6.52643	7.54611	No change
NM_028016	Nanog	0	1	0.113855	0	0	No change
NM_028020	Cpsf3l	0	1	0.13939	4.95898	5.20003	No change
NM_028021	Myh14	0	1	0.267101	1.25721	1.44145	No change
NM_028023	Cdca4	0	1	-0.234501	8.70081	7.03368	No change
NM_028026	Wdr73	0	1	0.203231	8.73634	9.57666	No change
NM_028030	Rbpms2	0	1	-0.248715	1.24706	0.99098	No change
NM_028033	2410012M07Rik	0	1	-0.886145	0.0384195	0	No change
NM_028037	Acad10	0	1	0.247948	5.90879	6.68146	No change
NM_028038	Ddx28	0	1	-0.346986	4.73063	3.53007	No change
NM_028040	Rpusd4	0	1	0.315489	4.61517	5.47321	No change
NM_028055	Btbd17	0	1	0.403361	0.524239	0.667084	No change
NM_028056	1600002H07Rik	0	1	0.563162	1.65858	2.34502	No change
NM_028057	Cyb5r1	0	1	0.314768	7.41505	8.78623	No change
NM_028071	Cott1	0	1	0.192806	6.76094	7.35868	No change
NM_028074	Ddx42	0	1	0.0693025	14.8349	14.8163	No change
NM_028079	2010111I01Rik	0	1	0.186408	6.9117	7.48803	No change
NM_028085	Anks4b	0	1	-0.139902	1.02994	0.884125	No change
NM_028089	Cyp2c55	0	1	-0.301183	0.105118	0.072188	No change
NM_028093	Entpd8	0	1	0.85082	0.241779	0.435852	No change
NM_028094	Ugt2a3	0	1	0.113855	0	0	No change
NM_028104	Ppp1r14d	0	1	1.3065	0.563555	1.4513	No change
NM_028105	Adck1	0	1	-0.367035	3.83966	2.82518	No change
NM_028112	Seh1l	0	1	-0.0950106	8.95103	7.9723	No change
NM_028116	Pygo1	0	1	0.113855	0.479264	0.493691	No change
NM_028117	Chst14	0	1	-0.00643942	0.801452	0.756781	No change
NM_028127	Frm6	0	1	0.144069	2.81044	2.95664	No change
NM_028135	Tmem163	0	1	-0.886145	0.138444	0.0570449	No change
NM_028138	Thumpd2	0	1	0.457157	2.4783	3.24916	No change
NM_028140	Mfsd8	0	1	0.0610029	3.15229	3.12953	No change
NM_028145	Kihl35	0	1	-1.30118	0.249923	0.0735563	No change
NM_028150	Supt7l	0	1	0.331446	4.45181	5.33672	No change
NM_028177	Ndufab1	0	1	0.0524543	2.00367	1.97425	No change
NM_028179	2200002D01Rik	0	1	-0.187012	11.5468	9.62877	No change
NM_028182	Sh2d4a	0	1	-0.127153	1.93941	1.68645	No change
NM_028184	Oraov1	0	1	0.0181715	6.61709	6.37653	No change
NM_028185	Lsm11	0	1	-0.0583262	0.853207	0.778765	No change
NM_028186	Nkd2	0	1	-0.124305	0.973365	0.846697	No change
NM_028191	Cyp2c65	0	1	-1.88615	0.107717	0	No change
NM_028195	Cyth4	0	1	-0.383645	2.37221	1.72339	No change
NM_028198	Xpo5	0	1	0.197861	8.75624	9.56181	No change
NM_028200	1300018I17Rik	0	1	0.101088	5.66772	5.78668	No change
NM_028202	Kbtbd5	0	1	-0.886145	0.0283882	0	No change
NM_028208	Ptar1	0	1	-0.0295094	7.46228	6.95649	No change
NM_028216	Psca	0	1	-1.14918	0.895587	0.335472	No change
NM_028226	Rbm12b	0	1	0.104024	12.4823	12.7706	No change
NM_028228	Pinx1	0	1	-0.0436865	4.43641	4.09171	No change
NM_028231	Kcnmb2	0	1	-0.301183	0.0716269	0.0491887	No change
NM_028233	Lrpprc	0	1	-0.10332	14.5539	12.8947	No change
NM_028234	Rbm33	0	1	0.153383	6.33039	6.7023	No change
NM_028236	Ceacam18	0	1	-2.20807	0.143919	0	No change
NM_028238	Rab38	0	1	0.435783	0.839674	1.09257	No change
NM_028243	Prcp	0	1	-0.0725583	4.63209	4.19023	No change
NM_028258	Dzip1l	0	1	0.236712	0.780674	0.877283	No change
NM_028260	Immp1l	0	1	-0.100996	11.5304	10.2236	No change
NM_028263	Fgfbp3	0	1	0.187855	0.714392	0.776782	No change
NM_028275	1700112E06Rik	0	1	-0.108538	0.459009	0.394023	No change
NM_028281	Pcbd2	0	1	0.622868	3.19107	4.73347	No change
NM_028296	Car10	0	1	0.113855	0	0	No change
NM_028299	2700029M09Rik	0	1	0.14926	9.42593	9.95243	No change
NM_028312	Ccdc12	0	1	0.160776	10.1865	10.843	No change
NM_028317	2810030E01Rik	0	1	-0.0173897	0.35142	0.32909	No change
NM_028326	Zfp618	0	1	-0.0414234	2.35712	2.17776	No change
NM_028333	Angptl1	0	1	0.0641018	1.84575	1.83575	No change
NM_028335	Zfp248	0	1	0.310892	0.761463	0.902044	No change
NM_028347	Neil1	0	1	0.3065	2.02526	2.39303	No change
NM_028357	Vep1	0	1	0.245099	0.887119	1.00298	No change
NM_028370	Pot1b	0	1	0.192926	2.80843	3.05712	No change
NM_028375	Cxx1c	0	1	0.461778	3.1479	4.14759	No change
NM_028381	Ccdc94	0	1	0.0773289	2.07009	2.07773	No change
NM_028386	Asphd2	0	1	-0.886145	0.0439426	0	No change
NM_028388	Ndufv2	0	1	-0.0292834	94.6915	88.3244	No change
NM_028394	Hspb11	0	1	0.546814	2.36881	3.33911	No change
NM_028398	Agxt2l2	0	1	0.376889	4.55798	5.6418	No change
NM_028402	Zfp493	0	1	0.166322	0.553795	0.592407	No change
NM_028404	Top1mt	0	1	-0.404874	5.44304	3.9021	No change

NM_028416	Kremen2	0	1	-0.886145	0.230444	0.101735	No change
NM_028417	Ttc9b	0	1	0.113855	0	0	No change
NM_028420	Camk2n2	0	1	-1.14918	0.597989	0.223997	No change
NM_028450	Gulp1	0	1	0.317388	0.749386	0.892562	No change
NM_028462	Fzef1	0	1	0.113855	0	0	No change
NM_028469	3110082117Rik	0	1	0.222561	5.43805	6.044	No change
NM_028472	Bmper	0	1	-0.564217	0.128619	0.0757089	No change
NM_028473	3110079O15Rik	0	1	1.11385	0	0.155392	No change
NM_028474	3110082D06Rik	0	1	0.113855	0.0404603	0.0416784	No change
NM_028477	Prl8a1	0	1	0.113855	0	0	No change
NM_028480	Ceacam5	0	1	0.113855	0	0	No change
NM_028523	Dcbld2	0	1	-0.230299	2.97594	2.41258	No change
NM_028538	1700049G17Rik	0	1	-0.196485	5.85053	4.85751	No change
NM_028544	Rasip1	0	1	0.281582	1.59197	1.84488	No change
NM_028576	1700106N22Rik	0	1	0.201318	1.50138	1.64635	No change
NM_028593	Cybrd1	0	1	-0.606037	0.361311	0.220556	No change
NM_028597	Thoc3	0	1	-0.164278	10.9064	9.25937	No change
NM_028598	2410076I21Rik	0	1	-0.224947	3.31495	2.68301	No change
NM_028599	Wdr75	0	1	0.194543	6.00341	6.54144	No change
NM_028604	Trmt11	0	1	0.246103	3.66338	4.13886	No change
NM_028607	Bloc1s2	0	1	-0.123837	12.1982	10.6446	No change
NM_028608	Glipr1	0	1	0.288353	4.44849	5.18011	No change
NM_028615	Dppa2	0	1	-1.47111	0.0718114	0	No change
NM_028621	Krtap16-7	0	1	0.113855	0	0	No change
NM_028622	Lce1c	0	1	-1.88615	0.288783	0	No change
NM_028625	Lce1a2	0	1	0.113855	0	0	No change
NM_028628	Lce1l	0	1	0.113855	0	0	No change
NM_028629	Kprp	0	1	0.113855	0	0	No change
NM_028632	Fcf1	0	1	-0.166253	4.86683	4.11094	No change
NM_028633	Haus7	0	1	-0.222111	14.4492	11.7811	No change
NM_028636	Man2c1	0	1	-0.0700094	7.57297	6.86483	No change
NM_028637	1110034G24Rik	0	1	0.487313	2.03725	2.73303	No change
NM_028657	F630110N24Rik	0	1	-0.124009	5.07751	4.42894	No change
NM_028659	Eif3k	0	1	0.0551087	146.779	145.161	No change
NM_028660	Klk9	0	1	0.113855	0	0	No change
NM_028707	Psd2	0	1	0.376889	0.211879	0.265026	No change
NM_028719	Cpne4	0	1	-2.20807	0.0762922	0	No change
NM_028721	Nphp3	0	1	0.25946	1.32433	1.51036	No change
NM_028727	Nol9	0	1	0.0675612	2.87331	2.86534	No change
NM_028728	Nfam1	0	1	-0.636167	0.909368	0.546434	No change
NM_028746	Slc7a13	0	1	0.113855	0	0	No change
NM_028754	0610037L13Rik	0	1	0.0133279	9.30138	8.93337	No change
NM_028756	Slc35a5	0	1	-0.108237	13.2417	11.6917	No change
NM_028762	Rbm19	0	1	-0.458724	2.02801	1.39876	No change
NM_028765	Acox1	0	1	0.579518	0.487193	0.702603	No change
NM_028770	Krt80	0	1	0.698817	0.275	0.445153	No change
NM_028772	Dmgdh	0	1	-0.886145	0.0233947	0	No change
NM_028773	Sash3	0	1	-0.22318	0.620332	0.500092	No change
NM_028775	Cyp2s1	0	1	0.187855	0.478624	0.520423	No change
NM_028776	Scyl3	0	1	0.067713	7.05665	7.03971	No change
NM_028783	Robo4	0	1	-0.127153	0.472302	0.408677	No change
NM_028788	1300002K09Rik	0	1	0.113855	0.0579808	0.0597263	No change
NM_028791	Ftsjd2	0	1	0.0799739	9.57953	9.63843	No change
NM_028798	Crct1	0	1	0.113855	0	0	No change
NM_028799	Tgm5	0	1	-1.47111	0.0550715	0	No change
NM_028803	Gbe1	0	1	-0.327983	3.96706	3.0018	No change
NM_028804	Ccdc3	0	1	-0.748642	0.498181	0.270094	No change
NM_028808	P2ry13	0	1	0.315489	1.62654	1.93109	No change
NM_028809	Arpc5l	0	1	0.00928022	41.5087	39.7646	No change
NM_028821	Dnalc1	0	1	-0.00617589	5.74924	5.44853	No change
NM_028832	Mterfd3	0	1	-0.0185955	5.02572	4.71887	No change
NM_028836	Ctbs	0	1	-0.165121	12.0352	10.2129	No change
NM_028838	Lrrc2	0	1	-2.6935	0.114407	0	No change
NM_028841	Tspan17	0	1	-0.482789	2.73218	1.84553	No change
NM_028846	Usp20	0	1	-0.0366368	10.6459	9.87838	No change
NM_028863	Isca2	0	1	0.222054	25.6932	28.5344	No change
NM_028865	1110005A03Rik	0	1	0.0799075	8.58585	8.63703	No change
NM_028874	Snx19	0	1	-0.105948	10.4898	9.27673	No change
NM_028875	Xrcc3	0	1	0.341522	3.33789	4.0312	No change
NM_028878	Slc6a19	0	1	-0.234068	0.371467	0.294346	No change
NM_028880	Lrrtm1	0	1	-0.185705	0.414674	0.341726	No change
NM_028881	Crtc2	0	1	-0.130768	2.863	2.48497	No change
NM_028883	4632415K11Rik	0	1	-0.0695913	3.60107	3.26323	No change
NM_028890	4931414P19Rik	0	1	0.285807	2.10292	2.44395	No change
NM_028898	Rptor	0	1	0.17289	4.08184	4.38078	No change
NM_028923	Gle1	0	1	-0.283829	6.77197	5.28962	No change

NM_028924	Tc2n	0	1	0.264721	7.10121	8.12455	No change
NM_028934	4930452B06Rik	0	1	0.0313927	4.53473	4.41028	No change
NM_028964	Snx29	0	1	-0.314988	1.46089	1.10652	No change
NM_028967	Batf2	0	1	0.113855	0.203335	0.209456	No change
NM_028973	Lrrc15	0	1	-1.88615	0.0393894	0	No change
NM_028974	Kbtbd13	0	1	0.528892	0.187788	0.265982	No change
NM_028986	Gzf1	0	1	0.155907	11.9498	12.6741	No change
NM_028995	Nipal3	0	1	0.347445	2.27456	2.75734	No change
NM_028998	9130404H23Rik	0	1	-0.886145	0.0387614	0	No change
NM_029002	Nkx6-3	0	1	0.113855	0	0	No change
NM_029004	Rasgef1c	0	1	-0.623111	0.12423	0.0639848	No change
NM_029006	Kcnk16	0	1	0.113855	0	0	No change
NM_029008	4833403115Rik	0	1	0.988324	0.108252	0.223023	No change
NM_029020	Abcb8	0	1	-0.107398	4.97807	4.39537	No change
NM_029021	4833422F24Rik	0	1	-1.47111	0.0712607	0	No change
NM_029023	Scpep1	0	1	-0.0481127	11.3579	10.4537	No change
NM_029035	Spsb1	0	1	0.10414	6.7776	6.93462	No change
NM_029074	Tmem188	0	1	0.315489	7.57036	8.97387	No change
NM_029077	Trim14	0	1	0.125632	5.88886	6.11627	No change
NM_029084	Slamf8	0	1	-0.77923	0.409958	0.21115	No change
NM_029091	Klc4	0	1	0.0575474	12.5159	12.398	No change
NM_029094	Pik3cb	0	1	0.122099	4.99653	5.17652	No change
NM_029095	Hhat1	0	1	0.0657605	2.23614	2.22667	No change
NM_029100	Sepn1	0	1	0.541276	1.15312	1.60462	No change
NM_029102	Glt8d2	0	1	-0.578023	2.68672	1.70058	No change
NM_029104	Zmynd17	0	1	-0.365313	1.7147	1.25605	No change
NM_029106	4930408F14Rik	0	1	-3.20807	0.806217	0	No change
NM_029128	Qtrtd1	0	1	0.247121	3.80188	4.29779	No change
NM_029162	Zbtb49	0	1	-0.208073	2.5449	2.0924	No change
NM_029166	Uhrf1bp1l	0	1	-0.0473	15.9474	14.6901	No change
NM_029173	Nxnl2	0	1	0.265858	2.09738	2.40744	No change
NM_029182	Rasd2	0	1	0.276126	1.01687	1.17523	No change
NM_029186	Tmem180	0	1	0.528892	1.62006	2.2356	No change
NM_029203	Rhox2a	0	1	-1.88615	0.267023	0	No change
NM_029211	Rnf121	0	1	0.218998	13.5826	15.0529	No change
NM_029236	Bcdin3d	0	1	0.132714	4.11249	4.29277	No change
NM_029238	Slc35f4	0	1	1.22933	0.185255	0.457997	No change
NM_029269	Spp2	0	1	1.11385	0	0.0825184	No change
NM_029270	Arhgap24	0	1	-0.142921	1.89541	1.63064	No change
NM_029271	Mrp132	0	1	0.107978	22.2328	22.8086	No change
NM_029272	Ndufs7	0	1	0.247121	14.1593	16.0062	No change
NM_029279	Secisbp2	0	1	-0.371572	3.99544	2.93276	No change
NM_029282	Tti1	0	1	-0.0958458	10.0881	8.98339	No change
NM_029293	Phpt1	0	1	-0.181005	39.3293	33.0017	No change
NM_029345	2310007L24Rik	0	1	1.11385	0.176661	0.454949	No change
NM_029346	2310002L13Rik	0	1	0.113855	0	0	No change
NM_029351	Krtap9-3	0	1	-0.886145	0.0918221	0	No change
NM_029353	2410003K15Rik	0	1	0.346218	9.05564	10.9744	No change
NM_029355	Prl7b1	0	1	0.113855	0	0	No change
NM_029360	Tm4sf5	0	1	-1.47111	0.142813	0	No change
NM_029365	Med25	0	1	0.0266438	10.9557	10.6216	No change
NM_029383	Cldn22	0	1	-0.985681	0.981591	0.433346	No change
NM_029385	Nudt16	0	1	0.649908	1.69242	2.548	No change
NM_029393	Krt24	0	1	0.113855	0	0	No change
NM_029402	Cul2	0	1	0.25856	3.63717	4.14378	No change
NM_029415	Slc10a6	0	1	-0.175652	0.328121	0.270399	No change
NM_029422	Tm7sf4	0	1	0.3065	0.209813	0.252151	No change
NM_029427	Pnpla5	0	1	0.113855	0	0	No change
NM_029431	Them4	0	1	-0.0355228	7.33186	6.80562	No change
NM_029440	Wdr95	0	1	-1.47111	0.308873	0.0867739	No change
NM_029469	Gsc2	0	1	-2.47111	0.480641	0	No change
NM_029475	Adal	0	1	0.0173468	5.08334	4.89554	No change
NM_029491	Trappc8	0	1	-0.0427853	14.2583	13.1736	No change
NM_029498	Zmym2	0	1	0.103513	15.5988	15.9535	No change
NM_029499	Ms4a4c	0	1	-0.674641	0.728075	0.416663	No change
NM_029509	Gbp8	0	1	0.291642	1.70052	1.98527	No change
NM_029529	Slc35d3	0	1	1.11385	0	0.0273073	No change
NM_029530	6330527O06Rik	0	1	0.573286	0.534728	0.771156	No change
NM_029536	Gpr165	0	1	0.698817	0.02182	0.0449536	No change
NM_029537	Tmem98	0	1	-0.301183	1.15071	0.876128	No change
NM_029545	6530401N04Rik	0	1	0.255874	3.91411	4.45194	No change
NM_029546	Pwp2	0	1	-0.0283438	4.96907	4.63646	No change
NM_029548	Rph3al	0	1	-0.725681	2.47032	1.38801	No change
NM_029550	Keg1	0	1	1.43578	0.125497	0.387826	No change
NM_029553	Ttc8	0	1	0.0863741	3.21236	3.24604	No change
NM_029554	0610040J01Rik	0	1	0.251358	0.335421	0.383909	No change

NM_029556	Clybl	0	1	-0.0448429	2.63946	2.42967	No change
NM_029557	Tsen54	0	1	0.528892	2.19116	3.02163	No change
NM_029568	Mfap4	0	1	0.210531	4.60627	5.07709	No change
NM_029569	Asb5	0	1	-0.530001	1.0593	0.681992	No change
NM_029570	Atp11b	0	1	0.153656	6.13252	6.49425	No change
NM_029571	Kti12	0	1	0.230264	5.2852	5.90568	No change
NM_029580	Trmt5	0	1	-0.151334	11.1492	9.54919	No change
NM_029581	Mtif3	0	1	-0.0745903	10.3813	9.37991	No change
NM_029584	Zfp773	0	1	1.22933	0.115195	0.284791	No change
NM_029585	Det1	0	1	0.336247	3.92946	4.72778	No change
NM_029613	Krtap4-7	0	1	0.113855	0	0	No change
NM_029619	Msrb2	0	1	0.545966	3.63106	5.0676	No change
NM_029620	Pcolce2	0	1	-0.538222	0.784326	0.500151	No change
NM_029623	3110002H16Rik	0	1	0.428365	2.5206	3.23717	No change
NM_029628	Ppp1r3g	0	1	-0.886145	0.0301962	0	No change
NM_029629	Fahd2a	0	1	0.135485	18.7591	19.6166	No change
NM_029635	Commd9	0	1	0.333636	9.31216	11.1811	No change
NM_029636	Ctsq	0	1	1.52889	0.105118	0.378987	No change
NM_029643	Gpr172b	0	1	0.0841075	3.76858	3.80226	No change
NM_029645	Gatc	0	1	0.000198029	10.3147	9.81722	No change
NM_029665	Ipo11	0	1	-0.0955986	12.0278	10.7133	No change
NM_029667	Lce1i	0	1	0.113855	0	0	No change
NM_029706	Cpb1	0	1	-1.47111	0.0932971	0	No change
NM_029720	Crel2	0	1	0.113855	33.518	34.527	No change
NM_029722	Gje1	0	1	-1.76061	0.471855	0.0972119	No change
NM_029726	Trdn	0	1	-1.88615	0.108075	0.0159041	No change
NM_029727	Gsdma2	0	1	-0.886145	0.0418325	0	No change
NM_029733	2010005H15Rik	0	1	0.113855	0	0	No change
NM_029741	Ppfia3	0	1	0.791927	0.272126	0.457361	No change
NM_029746	Cog2	0	1	-0.257401	5.84888	4.65218	No change
NM_029747	2410137M14Rik	0	1	-2.20807	0.322279	0	No change
NM_029760	Nubpl	0	1	-0.192807	2.68724	2.22654	No change
NM_029771	Gpr30	0	1	0.325359	3.66659	4.37785	No change
NM_029775	Dcun1d5	0	1	0.0124528	12.7664	12.2541	No change
NM_029784	Fam81a	0	1	0.659289	0.870255	1.31978	No change
NM_029788	Rnft1	0	1	-0.0950544	7.79605	6.94595	No change
NM_029793	Golga1	0	1	0.127705	14.8094	15.4025	No change
NM_029797	Mnd1	0	1	-0.679694	1.99351	1.14997	No change
NM_029798	Flywch2	0	1	0.290178	10.0285	11.6869	No change
NM_029803	Ifi2712a	0	1	0.173976	6.92414	7.44269	No change
NM_029806	Lypd5	0	1	-1.88615	0.223614	0	No change
NM_029809	2310014L17Rik	0	1	0.576827	0.774605	1.10823	No change
NM_029821	1190003J15Rik	0	1	-1.88615	1.13574	0.212714	No change
NM_029825	Scfd1	0	1	0.124995	4.26623	4.429	No change
NM_029834	Ppp1r12c	0	1	-0.0817631	16.1962	14.5652	No change
NM_029838	Col25a1	0	1	-0.886145	0.0264289	0	No change
NM_029841	2510039O18Rik	0	1	0.117245	10.8201	11.1722	No change
NM_029842	Jmjd5	0	1	-0.171547	1.08361	0.910606	No change
NM_029861	Cnrip1	0	1	-0.14918	0.769838	0.653069	No change
NM_029868	Gpbp111	0	1	-0.0178314	21.5476	20.2582	No change
NM_029870	A930001N09Rik	0	1	0.0337981	23.7235	23.118	No change
NM_029875	Slc35e3	0	1	0.293404	1.64078	1.9169	No change
NM_029879	Rgs7bp	0	1	0.765932	0.155458	0.258684	No change
NM_029894	Fam162b	0	1	0.113855	0	0	No change
NM_029901	Akr1c21	0	1	0.113855	0.345871	0.356283	No change
NM_029906	9530003J23Rik	0	1	-1.88615	0.171517	0	No change
NM_029909	C330018D20Rik	0	1	0.311087	4.50564	5.32556	No change
NM_029921	Tmem213	0	1	1.43578	0.131496	0.541819	No change
NM_029924	Mbd5	0	1	0.136223	3.78347	3.95842	No change
NM_029926	Irak4	0	1	0.666396	0.715685	1.09313	No change
NM_029932	Spns3	0	1	-0.886145	0.421453	0.197336	No change
NM_029933	Bcl9	0	1	0.0524543	1.42322	1.40434	No change
NM_029935	Chst15	0	1	-0.138532	1.30725	1.12778	No change
NM_029938	H2afv	0	1	0.234569	11.6723	13.0768	No change
NM_029942	Preli2	0	1	0.809	1.92522	3.27224	No change
NM_029943	Apex2	0	1	0.379445	3.43843	4.26556	No change
NM_029949	Snappc3	0	1	0.167294	5.28358	5.64998	No change
NM_029952	Zfp955a	0	1	0.155594	9.46562	10.0374	No change
NM_029961	Abcb5	0	1	0.154804	9.34993	9.90923	No change
NM_029963	Mrps5	0	1	-0.10027	4.17963	3.70469	No change
NM_029964	6030468B19Rik	0	1	-0.886145	0.0646502	0	No change
NM_029967	Adamts1	0	1	-0.02587	1.14688	1.07151	No change
NM_029972	Ernm	0	1	0.113855	0	0	No change
NM_029981	Adamts2	0	1	0.528892	0.300957	0.420737	No change
NM_029984	Fam159b	0	1	0.113855	0	0	No change
NM_029987	Rpe65	0	1	0.113855	0	0	No change

NM_029993	Mlana	0	1	0.113855	0	0	No change
NM_030018	Tmem50b	0	1	0.0794499	30.5808	30.7583	No change
NM_030022	Grifin	0	1	0.113855	0	0	No change
NM_030037	Mospd3	0	1	0.497183	1.05741	1.43582	No change
NM_030060	Batf3	0	1	-0.301183	0.29365	0.20166	No change
NM_030064	Phf23	0	1	0.0318392	13.115	12.7613	No change
NM_030067	Gpr115	0	1	-2.20807	0.0911019	0	No change
NM_030075	Klhdc8b	0	1	0.305336	3.63451	4.27877	No change
NM_030081	Zfyve20	0	1	0.106425	7.78371	7.97677	No change
NM_030083	Lsmc1	0	1	-0.16178	33.9047	28.8273	No change
NM_030093	Snmp25	0	1	-0.0319961	4.27204	3.96921	No change
NM_030096	Ddx52	0	1	0.0911347	8.43628	8.55411	No change
NM_030098	Rnase6	0	1	0.381788	3.12349	3.88784	No change
NM_030101	Pgpep1l	0	1	-1.47111	0.364884	0.0751738	No change
NM_030110	Efha2	0	1	-0.0612319	2.9643	2.70205	No change
NM_030112	Rtf1	0	1	-0.159827	4.04948	3.44794	No change
NM_030133	Srbd1	0	1	0.160548	5.98214	6.3656	No change
NM_030139	Zfp449	0	1	0.504314	1.36104	1.84375	No change
NM_030152	Nol3	0	1	0.224886	1.79759	2.00184	No change
NM_030166	Galntl2	0	1	0.67457	1.16105	1.77867	No change
NM_030174	Mctp1	0	1	0.298279	0.341234	0.401721	No change
NM_030178	Brpf1	0	1	-0.11501	7.59858	6.67672	No change
NM_030180	Usp54	0	1	-0.126132	8.25156	7.19568	No change
NM_030185	Zcchc4	0	1	-0.426714	1.12291	0.783581	No change
NM_030198	Gins3	0	1	-0.241626	2.48491	1.99419	No change
NM_030208	2310079F23Rik	0	1	-0.202619	3.62831	2.99761	No change
NM_030218	9130017N09Rik	0	1	-0.793036	0.402019	0.207061	No change
NM_030225	Dlst	0	1	-0.0539365	23.3737	21.4309	No change
NM_030229	Polr3h	0	1	-0.188993	9.34229	7.79592	No change
NM_030233	Saal1	0	1	-0.229447	2.50651	2.03196	No change
NM_030234	Wdr76	0	1	0.0372335	0.936027	0.913457	No change
NM_030239	Abcg3	0	1	-0.00162241	0.275648	0.260284	No change
NM_030240	2900092E17Rik	0	1	-0.0603961	8.19336	7.47399	No change
NM_030244	Ier5l	0	1	0.113855	0.357629	0.368395	No change
NM_030245	Tada1	0	1	-0.269474	8.74412	6.89783	No change
NM_030248	Cdk5rap3	0	1	0.0634184	30.256	30.0948	No change
NM_030251	Abtb1	0	1	-0.0522786	10.5281	9.66123	No change
NM_030252	BC003266	0	1	0.0244197	12.4111	12.012	No change
NM_030254	Tusc3	0	1	0.120858	18.8857	19.5492	No change
NM_030257	Lysmd3	0	1	0.165385	4.88252	5.21323	No change
NM_030259	Rilpl2	0	1	-0.234068	10.0114	8.09073	No change
NM_030553	Olfrl160	0	1	0.113855	0	0	No change
NM_030559	Vps16	0	1	0.0994995	4.3694	4.45615	No change
NM_030564	Rnf34	0	1	-0.122918	27.5348	24.065	No change
NM_030566	Rabep2	0	1	-0.0800871	4.33694	3.90199	No change
NM_030596	Dsg3	0	1	0.113855	0	0	No change
NM_030599	Klrb1b	0	1	-0.108538	0.409588	0.357008	No change
NM_030610	Fgf20	0	1	0.113855	0	0	No change
NM_030611	Akr1c6	0	1	0.113855	0	0	No change
NM_030614	Fgf16	0	1	0.113855	0.0229253	0.0236155	No change
NM_030677	Gpx2	0	1	1.69882	0.0653167	0.336415	No change
NM_030679	Myh1	0	1	-1.47111	0.266313	0.0834917	No change
NM_030686	Dhrs4	0	1	0.559655	4.2037	5.9256	No change
NM_030688	Il1rapl2	0	1	0.113855	0	0	No change
NM_030691	Igsf6	0	1	0.329123	2.80994	3.36573	No change
NM_030701	Niacr1	0	1	1.11385	0.178975	0.405599	No change
NM_030709	Tmprss5	0	1	-2.05607	0.271972	0.03502	No change
NM_030712	Cxcr6	0	1	0.162218	3.203	3.4132	No change
NM_030719	Gatsl2	0	1	0.397162	1.5422	1.93662	No change
NM_030720	Gpr84	0	1	-0.175652	0.449342	0.370295	No change
NM_030725	Syt13	0	1	-0.886145	0.315857	0.153113	No change
NM_030726	Mrgprh	0	1	0.113855	0.0385257	0.0396854	No change
NM_030727	Slc26a5	0	1	0.113855	0	0	No change
NM_030728	9930013L23Rik	0	1	0.180306	2.89979	3.12837	No change
NM_030731	Trim23	0	1	0.00908249	6.75979	6.47434	No change
NM_030734	Defb5	0	1	0.113855	0	0	No change
NM_030735	Vmn1r172	0	1	0.113855	0	0	No change
NM_030736	Vmn1r148	0	1	-0.886145	0.0285861	0	No change
NM_030737	Vmn1r171	0	1	0.113855	0	0	No change
NM_030738	Vmn1r65	0	1	-2.47111	0.129927	0	No change
NM_030739	Vmn1r58	0	1	0.113855	0.104019	0.107151	No change
NM_030740	Vmn1r56	0	1	0.113855	0.038042	0.0391872	No change
NM_030741	Vmn1r62	0	1	-1.47111	0.0699026	0	No change
NM_030742	Vmn1r63	0	1	0.113855	0	0	No change
NM_030746	Btn3a3	0	1	0.113855	0	0	No change
NM_030747	Btnl6	0	1	-0.886145	0.0430203	0	No change

NM_030749	Sil1	0	1	0.0362108	64.1552	62.6217	No change
NM_030889	Sorcs2	0	1	0.0186976	3.99568	3.85244	No change
NM_030890	Prrt1	0	1	0.715305	2.11879	3.3518	No change
NM_031161	Cck	0	1	0.113855	0	0	No change
NM_031164	F13b	0	1	-2.20807	0.11723	0	No change
NM_031168	Il6	0	1	-1.47111	0.12823	0	No change
NM_031169	Kcnmb1	0	1	0.146276	0.715567	0.754251	No change
NM_031178	Tlr9	0	1	-0.264657	0.501966	0.392979	No change
NM_031180	Klb	0	1	-1.88615	0.22292	0.0417511	No change
NM_031181	Siglece	0	1	0.599282	0.527691	0.776538	No change
NM_031183	Sp6	0	1	0.785232	0.536894	0.893399	No change
NM_031184	Glis2	0	1	0.136575	1.19397	1.24975	No change
NM_031187	Tpsab1	0	1	0.113855	0	0	No change
NM_031189	Myog	0	1	0.113855	0	0	No change
NM_031191	Prl2c2	0	1	-0.248715	0.705751	0.545248	No change
NM_031192	Ren1	0	1	-2.20807	0.196042	0	No change
NM_031193	Ren2	0	1	-2.20807	0.182801	0	No change
NM_031197	Slc2a2	0	1	-0.314988	0.922008	0.698356	No change
NM_031198	Tcfec	0	1	-0.6935	0.235052	0.121064	No change
NM_031199	Tgfa	0	1	0.157247	2.14237	2.27477	No change
NM_031202	Tyrp1	0	1	0.113855	0	0	No change
NM_031247	Gimap3	0	1	0.143001	1.55956	1.63998	No change
NM_031249	Cstf2t	0	1	-0.0942534	17.4047	15.5177	No change
NM_031250	Ucn3	0	1	0.113855	0	0	No change
NM_031251	Ctns	0	1	0.0297905	6.1126	5.93885	No change
NM_031252	Il23a	0	1	0.698817	0.256413	0.422611	No change
NM_031367	H28	0	1	0.113855	0	0	No change
NM_031373	Ogfr	0	1	0.155785	11.3312	12.0175	No change
NM_031376	Pik3ap1	0	1	-0.55357	2.1321	1.37268	No change
NM_031378	Gsdmc	0	1	-3.05607	0.234065	0	No change
NM_031397	Bicc1	0	1	-0.194776	3.01545	2.50353	No change
NM_031404	Actf6b	0	1	-0.886145	0.0450213	0	No change
NM_031499	Prp2	0	1	0.113855	0	0	No change
NM_031842	Smarcd1	0	1	-0.162355	2.89558	2.45906	No change
NM_031843	Dpp7	0	1	0.225748	2.56874	2.86296	No change
NM_031872	Tas1r3	0	1	-0.262294	2.40115	1.90107	No change
NM_031873	Tas1r2	0	1	1.11385	0	0.0235689	No change
NM_031884	Abcg5	0	1	0.961852	0.123187	0.25379	No change
NM_032006	Mmp1a	0	1	0.113855	0	0	No change
NM_032007	Mmp1b	0	1	-0.623111	0.139595	0.0718988	No change
NM_032397	Kcnn1	0	1	-0.319105	0.448297	0.337464	No change
NM_032398	Plvap	0	1	0.296719	1.24452	1.46003	No change
NM_032399	Gpr87	0	1	0.34832	0.958802	1.17285	No change
NM_032400	Sucnr1	0	1	1.11385	0	0.0456976	No change
NM_032540	Kel	0	1	-2.88615	0.193899	0	No change
NM_032541	Hamp	0	1	-1.47111	0.353771	0	No change
NM_032542	Sval2	0	1	-0.886145	0.160214	0	No change
NM_032544	Gtpbp3	0	1	0.425799	2.14057	2.74344	No change
NM_033039	Ocm	0	1	0.113855	0	0	No change
NM_033041	Hes7	0	1	0.113855	0	0	No change
NM_033042	Tnfrsf25	0	1	-0.793036	0.608672	0.313498	No change
NM_033072	Mbd6	0	1	-0.0690092	3.60006	3.26484	No change
NM_033144	Sept8	0	1	0.197919	2.27575	2.48586	No change
NM_033175	Lce3c	0	1	0.113855	0	0	No change
NM_033269	Chrm3	0	1	-1.47111	0.0439981	0	No change
NM_033321	P2rx5	0	1	-1.6935	0.182761	0.0313772	No change
NM_033324	Dgcr8	0	1	-0.061995	9.03946	8.24109	No change
NM_033374	Dock2	0	1	-0.277724	2.692	2.11116	No change
NM_033476	Tcfcp2	0	1	0.144716	8.05661	8.47907	No change
NM_033509	Vangl2	0	1	0.585923	0.925128	1.33417	No change
NM_033521	Laptm4b	0	1	-0.0253906	24.3209	22.7445	No change
NM_033522	Ferd3l	0	1	-0.886145	0.0787491	0	No change
NM_033523	Spred2	0	1	0.385157	2.08691	2.59967	No change
NM_033526	Ubqln4	0	1	0.0693802	11.5535	11.5394	No change
NM_033541	Oas1c	0	1	0.361782	1.43288	1.75866	No change
NM_033552	Slc4a10	0	1	0.528892	0.218715	0.304817	No change
NM_033561	Eif4h	0	1	0.0397651	73.9457	72.3572	No change
NM_033567	Cecr6	0	1	-0.886145	0.0429408	0.0147445	No change
NM_033568	Snf8	0	1	0.0006442	11.6278	11.0681	No change
NM_033573	Prcc	0	1	-0.0733151	8.89408	8.04283	No change
NM_033601	Bcl3	0	1	-0.964148	0.683636	0.312985	No change
NM_033603	Amn	0	1	-1.47111	0.206804	0.0426059	No change
NM_033605	Dach2	0	1	0.528892	0.670569	0.928948	No change
NM_033606	Dqx1	0	1	0.566367	0.397237	0.568326	No change
NM_033610	Sncb	0	1	-0.886145	0.0582717	0	No change
NM_033622	Tnfsf13b	0	1	0.376889	0.574618	0.718755	No change

NM_033652	Lmx1a	0	1	0.113855	0	0	No change
NM_052977	Adarb2	0	1	0.85082	0.0255473	0.0526327	No change
NM_053008	Olig3	0	1	0.113855	0	0	No change
NM_053014	Agpat3	0	1	0.034471	87.0402	84.8591	No change
NM_053077	Slc45a2	0	1	-1.47111	0.0467267	0	No change
NM_053079	Slc15a1	0	1	-0.0560702	0.379372	0.344817	No change
NM_053080	Aldh1a3	0	1	0.192465	2.54174	2.76606	No change
NM_053082	Tspan4	0	1	0.396585	4.57941	5.74917	No change
NM_053085	Tcf23	0	1	0.318213	0.764736	0.910298	No change
NM_053087	Epgn	0	1	-0.886145	0.0408996	0	No change
NM_053088	Ifitm5	0	1	0.92121	0.294893	0.60754	No change
NM_053091	Cox4i2	0	1	-0.623111	0.383455	0.197499	No change
NM_053093	Tac4	0	1	-0.388646	0.894216	0.63328	No change
NM_053095	Il24	0	1	1.11385	0	0.0643288	No change
NM_053096	Cml2	0	1	-0.493828	0.658683	0.43775	No change
NM_053098	Lmod2	0	1	1.69882	0	0.0729954	No change
NM_053105	Klhl1	0	1	0.113855	0	0	No change
NM_053106	Lmod1	0	1	0.435783	1.60884	2.07615	No change
NM_053107	Gpr45	0	1	0.113855	0.0180552	0.0185987	No change
NM_053111	Ear6	0	1	0.113855	0	0	No change
NM_053112	Ear10	0	1	-0.886145	0.147968	0	No change
NM_053113	Ear11	0	1	0.113855	0	0	No change
NM_053114	Pabpc5	0	1	-0.108538	0.171799	0.147475	No change
NM_053116	Wnt16	0	1	1.11385	0.083665	0.215459	No change
NM_053117	Pard6g	0	1	0.0898093	2.66088	2.6953	No change
NM_053123	Smarca1	0	1	0.025386	4.60609	4.46149	No change
NM_053124	Smarca5	0	1	-0.0665582	18.137	16.485	No change
NM_053127	Pcdhb2	0	1	-0.14918	0.125573	0.103482	No change
NM_053129	Pcdhb4	0	1	-1.20807	0.356054	0.135127	No change
NM_053130	Pcdhb5	0	1	1.52889	0.0986314	0.304802	No change
NM_053131	Pcdhb6	0	1	0.476425	0.180318	0.247662	No change
NM_053133	Pcdhb8	0	1	-0.400718	0.26805	0.184079	No change
NM_053134	Pcdhb9	0	1	0.476425	0.456255	0.610987	No change
NM_053135	Pcdhb10	0	1	0.435783	0.0735934	0.101078	No change
NM_053136	Pcdhb11	0	1	0.884373	0.308461	0.556057	No change
NM_053137	Pcdhb12	0	1	-0.156234	0.918826	0.780851	No change
NM_053138	Pcdhb13	0	1	-0.433633	0.339689	0.233277	No change
NM_053140	Pcdhb15	0	1	0.661343	0.299218	0.462339	No change
NM_053145	Pcdhb20	0	1	0.206964	0.902705	0.993281	No change
NM_053146	Pcdhb21	0	1	0.113855	0.693846	0.714733	No change
NM_053151	Klra21	0	1	-1.88615	0.428315	0.0630298	No change
NM_053152	Klra22	0	1	1.11385	0	0.0582246	No change
NM_053153	Klra18	0	1	0.113855	0	0	No change
NM_053154	Klra19	0	1	1.69882	0	0.129821	No change
NM_053159	Mrpl3	0	1	0.124197	6.28192	6.51793	No change
NM_053165	Clec2h	0	1	1.11385	0.0322652	0.0997097	No change
NM_053166	Trim7	0	1	0.0438923	8.57131	8.4089	No change
NM_053171	Csmd1	0	1	0.310078	0.732171	0.86483	No change
NM_053172	Mepe	0	1	-0.886145	0.0414346	0	No change
NM_053176	Hrg	0	1	0.113855	0.0401226	0.0413304	No change
NM_053184	Ugt2a1	0	1	0.113855	0	0	No change
NM_053190	S1pr5	0	1	-2.20807	0.111732	0	No change
NM_053198	Sfxn4	0	1	0.537663	1.02077	1.41952	No change
NM_053199	Cadm3	0	1	0.791927	0.150814	0.258924	No change
NM_053200	Ces1d	0	1	0.161344	17.9727	19.1345	No change
NM_053205	Taar1	0	1	0.113855	0	0	No change
NM_053211	Tas2r103	0	1	0.113855	0	0	No change
NM_053212	Tas2r116	0	1	0.113855	0	0	No change
NM_053214	Myo1f	0	1	0.113855	0.418194	0.430783	No change
NM_053215	Ugt2b37	0	1	0.113855	0	0	No change
NM_053217	2010002M12Rik	0	1	0.988324	0.103556	0.213346	No change
NM_053218	Vmn1r48	0	1	0.113855	0	0	No change
NM_053219	Vmn1r47	0	1	0.113855	0	0	No change
NM_053221	Vmn1r42	0	1	-0.886145	0.073984	0	No change
NM_053222	Vmn1r52	0	1	-2.20807	0.299755	0	No change
NM_053223	V1ra8	0	1	-3.05607	0.663742	0	No change
NM_053224	Vmn1r54	0	1	-0.886145	0.0735158	0	No change
NM_053225	Vmn1r50	0	1	-0.886145	0.0746977	0	No change
NM_053226	Vmn1r53	0	1	-3.20807	0.559034	0	No change
NM_053227	Vmn1r44	0	1	-0.886145	0.0746977	0	No change
NM_053228	Vmn1r40	0	1	-1.47111	0.149395	0	No change
NM_053229	Vmn1r46	0	1	0.113855	0	0	No change
NM_053230	Vmn1r41	0	1	-0.886145	0.0746977	0	No change
NM_053231	Vmn1r10	0	1	0.113855	0	0	No change
NM_053232	Vmn1r29	0	1	1.11385	0	0.0787182	No change
NM_053233	Vmn1r11	0	1	0.113855	0	0	No change

NM_053235	Vmn1r13	0	1	0.113855	0	0	No change
NM_053236	Vmn1r15	0	1	0.113855	0	0	No change
NM_053237	Vmn1r14	0	1	0.113855	0	0	No change
NM_053238	Vmn1r25	0	1	0.113855	0	0	No change
NM_053241	Cldn16	0	1	1.57329	0.178395	0.612551	No change
NM_053242	Foxp2	0	1	-1.20807	0.0927865	0.0318599	No change
NM_053243	Prss1	0	1	0.113855	0	0	No change
NM_053244	Kiss1r	0	1	0.435783	0.242449	0.31786	No change
NM_053245	Aipl1	0	1	-2.20807	0.177562	0	No change
NM_053247	Lyve1	0	1	0.52103	1.20299	1.65227	No change
NM_053248	Slc5a5	0	1	-1.30118	0.166616	0.0490375	No change
NM_053249	Krt82	0	1	0.113855	0	0	No change
NM_053250	Crip3	0	1	-0.663753	0.756038	0.424799	No change
NM_053251	Gm4736	0	1	0.113855	0	0	No change
NM_053255	Elac1	0	1	0.282831	2.35534	2.72953	No change
NM_053259	Prss28	0	1	0.113855	0	0	No change
NM_053260	Prss29	0	1	0.113855	0	0	No change
NM_053262	Hsd17b11	0	1	0.216338	6.64524	7.35234	No change
NM_053266	Gtf2ird2	0	1	-0.232205	4.22016	3.41566	No change
NM_053268	Rasa2	0	1	-0.11132	4.219	3.71615	No change
NM_054037	Scgb3a1	0	1	2.92121	0	0.873724	No change
NM_054038	Scgb3a2	0	1	0.113855	0	0	No change
NM_054041	Antr1	0	1	-0.234068	2.211	1.78659	No change
NM_054044	Gpr124	0	1	0.420516	0.94743	1.21018	No change
NM_054045	Hist2h3c2-ps	0	1	-0.0787903	3.78766	3.40511	No change
NM_054048	Rcor2	0	1	0.271396	0.865106	0.998087	No change
NM_054049	Osr2	0	1	-0.00350214	2.56763	2.43502	No change
NM_054055	Slc13a3	0	1	-1.6935	0.129701	0.0222677	No change
NM_054058	Psg20	0	1	-0.886145	0.0488046	0	No change
NM_054059	Ceacam3	0	1	-1.47111	0.0657171	0	No change
NM_054060	Psg25	0	1	0.113855	0	0	No change
NM_054063	Psg28	0	1	0.113855	0	0	No change
NM_054064	Psg29	0	1	-1.47111	0.0256177	0	No change
NM_054068	Vsx1	0	1	0.113855	0.0195437	0.0201321	No change
NM_054070	Afg3l1	0	1	0.220426	4.88242	5.41628	No change
NM_054074	Defb6	0	1	-0.400718	1.94191	1.33358	No change
NM_054077	Prep	0	1	0.245099	3.63851	4.1069	No change
NM_054079	Il1fib	0	1	0.113855	0	0	No change
NM_054080	Akr1c20	0	1	-0.886145	0.0533637	0	No change
NM_054081	Mta1	0	1	-0.33112	5.27406	3.98408	No change
NM_054084	Calcb	0	1	0.113855	0	0	No change
NM_054085	Alpk3	0	1	-1.20807	0.0984827	0.0338158	No change
NM_054088	Pnpla3	0	1	0.698817	0.014991	0.0308845	No change
NM_054090	Olf1r73	0	1	0.113855	0	0	No change
NM_054091	Olf1r74	0	1	0.113855	0	0	No change
NM_054094	Acsm1	0	1	0.113855	0	0	No change
NM_054098	Steap4	0	1	0.0933907	3.12952	3.17801	No change
NM_054100	2310034C09Rik	0	1	0.113855	0	0	No change
NM_057173	Lmo1	0	1	0.52194	3.31871	4.55816	No change
NM_078484	Slc35a2	0	1	0.427013	4.39222	5.63247	No change
NM_079835	Btnl2	0	1	1.11385	0	0.0280105	No change
NM_080419	Igsf8	0	1	0.275493	6.02632	6.94751	No change
NM_080420	Lpo	0	1	1.43578	0.0238104	0.0981086	No change
NM_080433	Fezf2	0	1	0.113855	0.0302487	0.0311593	No change
NM_080434	Apoa5	0	1	0.113855	0	0	No change
NM_080435	Adcy4	0	1	1.39396	0.123169	0.338337	No change
NM_080436	Rdh1	0	1	-0.65168	0.286655	0.166097	No change
NM_080438	Glra3	0	1	0.113855	0	0	No change
NM_080444	Asb10	0	1	-1.76061	0.30066	0.0619422	No change
NM_080450	Gjc3	0	1	1.11385	0.0198273	0.0612725	No change
NM_080453	Mmp28	0	1	-0.0560702	0.51267	0.465973	No change
NM_080459	Strc	0	1	-1.10854	0.0726346	0.0249404	No change
NM_080466	Kcnn3	0	1	0.0680511	0.283639	0.282753	No change
NM_080469	Eri3	0	1	-0.0139007	15.63	14.7322	No change
NM_080633	Aco2	0	1	0.107709	23.6674	24.2761	No change
NM_080639	Timp4	0	1	-0.829562	1.18124	0.608398	No change
NM_080640	Baalc	0	1	-0.248715	0.24084	0.186067	No change
NM_080641	Bhlhe23	0	1	0.113855	0	0	No change
NM_080708	Bmp2k	0	1	0.101407	6.16498	6.29592	No change
NM_080726	Rem2	0	1	-0.538222	0.369332	0.22827	No change
NM_080729	Il25	0	1	-0.886145	0.0655625	0	No change
NM_080795	Lnx2	0	1	0.069655	3.54371	3.53977	No change
NM_080843	Socs4	0	1	0.237087	5.0474	5.66595	No change
NM_080844	Serpinc1	0	1	-1.02365	0.322503	0.132885	No change
NM_080845	Ftcd	0	1	-3.05607	0.205736	0	No change
NM_080846	Higd1b	0	1	-0.803683	1.51919	0.782463	No change

NM_080848	Wdr5	0	1	-0.224386	9.06008	7.37714	No change
NM_080849	Nek8	0	1	-0.108538	5.55054	4.89717	No change
NM_080852	Slc7a12	0	1	0.113855	0	0	No change
NM_080855	Zcchc14	0	1	-0.133111	4.02489	3.49199	No change
NM_130448	Pcdh18	0	1	-0.175652	0.283195	0.236155	No change
NM_130452	Bbox1	0	1	-0.414077	2.61134	1.8521	No change
NM_130453	Gpha2	0	1	-1.20807	0.474102	0.122093	No change
NM_130455	Grin3b	0	1	-0.319105	0.553456	0.416624	No change
NM_130457	Cntnap4	0	1	-0.471108	0.114957	0.0740113	No change
NM_130458	Sp7	0	1	0.113855	0	0	No change
NM_130856	Krtap16-8	0	1	0.113855	0	0	No change
NM_130857	Krtap16-5	0	1	0.113855	0	0	No change
NM_130858	Nxph3	0	1	-0.722646	0.799155	0.445907	No change
NM_130859	Card10	0	1	0.452271	1.26768	1.65508	No change
NM_130860	Cdk9	0	1	-0.0931668	7.97901	7.11766	No change
NM_130868	Olfr138	0	1	0.113855	0	0	No change
NM_130869	Nobox	0	1	0.113855	0	0	No change
NM_130870	Krtap16-1	0	1	0.113855	0	0	No change
NM_130873	Krtap16-4	0	1	0.113855	0	0	No change
NM_130876	Krtap16-9	0	1	0.113855	0	0	No change
NM_130884	ldh3b	0	1	0.074422	47.5929	47.7032	No change
NM_130886	Card14	0	1	0.239386	1.14453	1.28781	No change
NM_130888	Nxf7	0	1	1.28378	0.112227	0.308281	No change
NM_130889	Anp32b	0	1	-0.044293	9.2788	8.5603	No change
NM_130904	Cd209d	0	1	-0.471108	0.161513	0.0831877	No change
NM_130905	Cd209e	0	1	-1.47111	0.0787046	0	No change
NM_133167	Parvb	0	1	-0.301183	0.282158	0.213145	No change
NM_133183	Cacng6	0	1	0.113855	0	0	No change
NM_133184	Slc5a4a	0	1	0.113855	0	0	No change
NM_133187	Fam198b	0	1	0.238113	1.9771	2.22079	No change
NM_133189	Cacng7	0	1	1.11385	0	0.0867041	No change
NM_133191	Eps8l2	0	1	-0.208073	1.00049	0.819799	No change
NM_133192	Npffr2	0	1	-2.20807	0.169672	0	No change
NM_133193	Il1rl2	0	1	0.698817	1.03646	1.6199	No change
NM_133197	Mcf2	0	1	0.113855	4.58963	4.7278	No change
NM_133199	Scn4a	0	1	-1.07879	0.158441	0.0652843	No change
NM_133202	Trhr2	0	1	-0.471108	0.104019	0.0535754	No change
NM_133203	Klra17	0	1	0.113855	0.118425	0.12199	No change
NM_133205	Arr3	0	1	1.11385	0.0512825	0.158479	No change
NM_133207	Kcnh7	0	1	-1.88615	0.0550497	0	No change
NM_133208	Zfp287	0	1	-0.414524	2.06816	1.47271	No change
NM_133209	Pilrb1	0	1	-0.471108	0.546611	0.351917	No change
NM_133210	Sertad3	0	1	0.140822	2.88308	3.02699	No change
NM_133212	Tlr8	0	1	-0.581291	0.728267	0.454661	No change
NM_133213	Xpnpep2	0	1	0.528892	0.0398473	0.0615703	No change
NM_133215	Mtmr4	0	1	-0.0413419	14.754	13.6468	No change
NM_133217	Bco2	0	1	-0.945039	0.806087	0.380579	No change
NM_133224	Atp13a1	0	1	0.107623	4.1132	4.21868	No change
NM_133228	Zfp87	0	1	0.14687	5.53119	5.8302	No change
NM_133229	Ripply3	0	1	0.265858	0.364646	0.422576	No change
NM_133231	Rfxap	0	1	-0.390376	4.44849	3.22096	No change
NM_133234	Bbc3	0	1	-0.400718	0.317427	0.217989	No change
NM_133235	Khdrbs2	0	1	-0.886145	0.0512825	0	No change
NM_133237	Apcdd1	0	1	-0.630888	1.51885	0.923357	No change
NM_133238	Cd209a	0	1	1.22933	0.234814	0.58052	No change
NM_133246	Ms4a3	0	1	0.113855	0	0	No change
NM_133249	Ppargc1b	0	1	-0.0725583	0.610004	0.549821	No change
NM_133251	Vgll1	0	1	-0.886145	0.0587135	0	No change
NM_133254	Slc5a2	0	1	0.522967	1.85107	2.5424	No change
NM_133256	Gsx2	0	1	0.113855	0	0	No change
NM_133346	Asb6	0	1	0.21339	6.89343	7.61059	No change
NM_133353	Oosp1	0	1	0.113855	0	0	No change
NM_133357	Krt75	0	1	0.113855	0	0	No change
NM_133359	AY026312	0	1	0.113855	0	0	No change
NM_133363	Myoz3	0	1	0.113855	0.0410321	0.0422673	No change
NM_133364	Prima1	0	1	-0.886145	0.231026	0.079327	No change
NM_133365	Dnahc5	0	1	-0.266749	0.611459	0.482744	No change
NM_133485	Ppp1r14c	0	1	-2.05607	0.220897	0.0284433	No change
NM_133500	Ntng2	0	1	-1.14918	0.481244	0.180266	No change
NM_133653	Mat1a	0	1	-0.175652	0.217247	0.17903	No change
NM_133659	Erg	0	1	-0.0381483	0.91287	0.843074	No change
NM_133660	Ces1e	0	1	-0.734142	0.571529	0.311683	No change
NM_133661	Slc6a12	0	1	0.579518	0.543839	0.784295	No change
NM_133665	Mef2d	0	1	-0.0560702	2.77751	2.53998	No change
NM_133666	Ndufv1	0	1	-0.047462	57.3681	52.8385	No change
NM_133669	Rp2h	0	1	-0.171547	7.87865	6.65574	No change

NM_133670	Sult1a1	0	1	0.259154	7.63061	8.69876	No change
NM_133676	Osgep	0	1	0.107066	9.18837	9.42033	No change
NM_133678	Sac3d1	0	1	-0.114414	4.10854	3.60522	No change
NM_133686	Qprt	0	1	1.11385	0.058223	0.179927	No change
NM_133687	Cxxc5	0	1	0.00105421	21.9938	20.9496	No change
NM_133690	Atp1b4	0	1	1.11385	0.0171573	0.0530214	No change
NM_133693	Rbm42	0	1	0.0441137	18.1915	17.8528	No change
NM_133694	Fbxl15	0	1	-0.127153	3.30886	2.8759	No change
NM_133698	Hrnr	0	1	-0.253088	1.53667	1.22593	No change
NM_133709	Chrdl2	0	1	0.00693961	0.596058	0.566771	No change
NM_133710	Ctdspl	0	1	-0.0250685	4.57892	4.28232	No change
NM_133712	Klk10	0	1	0.113855	0	0	No change
NM_133719	Metrn	0	1	-0.0436865	1.4317	1.31678	No change
NM_133724	Cno	0	1	0.0965768	4.42918	4.50755	No change
NM_133727	Kptn	0	1	-0.41666	2.15545	1.52376	No change
NM_133730	Krt25	0	1	0.113855	0	0	No change
NM_133731	Prss22	0	1	0.698817	0.0526382	0.108446	No change
NM_133733	9030425E11Rik	0	1	-0.268016	0.999352	0.784333	No change
NM_133740	Prmt3	0	1	0.136223	1.75978	1.84153	No change
NM_133746	Calhm2	0	1	0.232499	1.15645	1.29637	No change
NM_133756	Gpn1	0	1	-0.402269	4.98076	3.57594	No change
NM_133766	Efr3a	0	1	-0.121821	13.1226	11.4783	No change
NM_133767	Mtif2	0	1	0.15912	6.34033	6.7402	No change
NM_133769	Cyfp2	0	1	0.186005	1.27293	1.37907	No change
NM_133770	Adck4	0	1	0.418709	3.21415	4.09766	No change
NM_133776	Gpr110	0	1	-0.208073	0.0795581	0.0614649	No change
NM_133779	Pigt	0	1	0.295795	5.04231	5.89601	No change
NM_133787	Nmd3	0	1	-0.276092	6.05503	4.75027	No change
NM_133800	Nol12	0	1	0.165849	3.77664	4.03441	No change
NM_133807	Lrrc59	0	1	-0.0341815	31.3368	29.1296	No change
NM_133809	Kmo	0	1	-0.426714	0.418492	0.287394	No change
NM_133816	Sh3bp4	0	1	0.291853	3.73796	4.35867	No change
NM_133818	Al597479	0	1	-0.193859	10.1606	8.4521	No change
NM_133832	Rdh10	0	1	-0.433633	3.4315	2.40867	No change
NM_133849	Hrh3	0	1	0.156924	0.917012	0.974137	No change
NM_133858	Fam63a	0	1	0.156924	10.6265	11.2789	No change
NM_133880	Pafah2	0	1	0.152437	15.5962	16.5018	No change
NM_133884	Gpn2	0	1	-0.157447	5.34518	4.55311	No change
NM_133889	Bsdcl1	0	1	0.0358523	15.4116	15.0386	No change
NM_133892	Lao1	0	1	-1.47111	0.0711879	0	No change
NM_133893	Oas1d	0	1	0.113855	0	0	No change
NM_133894	Ugt2b38	0	1	0.113855	0	0	No change
NM_133902	Sdsl	0	1	0.224886	1.38348	1.54389	No change
NM_133903	Spon2	0	1	0.568421	0.810021	1.15533	No change
NM_133904	Acacb	0	1	-0.227182	0.459965	0.372281	No change
NM_133911	Gpr125	0	1	-0.0870971	6.57216	5.88766	No change
NM_133921	Nfxl1	0	1	-0.0259126	10.8812	10.172	No change
NM_133924	Snx21	0	1	-0.0589818	5.63963	5.14817	No change
NM_133927	Itfg2	0	1	0.29921	3.72868	4.37179	No change
NM_133928	Chchd4	0	1	0.249738	9.0125	10.2064	No change
NM_133939	Naa38	0	1	0.312184	17.5626	20.7715	No change
NM_133941	Dhx32	0	1	0.0088492	17.7409	16.9904	No change
NM_133952	Unc45a	0	1	0.138205	4.99943	5.23797	No change
NM_133954	AA960436	0	1	-0.400718	5.49168	3.94769	No change
NM_133962	Arhgef18	0	1	0.165637	3.94488	4.21264	No change
NM_133967	Zdhhc7	0	1	-0.0348806	5.95833	5.53399	No change
NM_133972	Armc6	0	1	0.187855	1.77562	1.92706	No change
NM_133973	Cog4	0	1	-0.00984717	16.2971	15.4061	No change
NM_133980	Slc22a13	0	1	-1.05607	0.278215	0.107472	No change
NM_133981	Alg9	0	1	0.120033	6.31099	6.529	No change
NM_133982	Rpp25	0	1	-0.471108	0.258889	0.16001	No change
NM_133984	Hemk1	0	1	-0.21067	4.3836	3.59937	No change
NM_133986	Tcta	0	1	0.102058	26.2258	26.7949	No change
NM_133993	Pwp1	0	1	0.276584	5.40465	6.23543	No change
NM_133995	Upb1	0	1	1.92121	0.1457	0.650371	No change
NM_133996	Apon	0	1	-1.47111	0.086147	0	No change
NM_133997	Apof	0	1	-0.208073	0.144441	0.111592	No change
NM_133998	1810008A18Rik	0	1	0.0485141	7.75004	7.62853	No change
NM_134009	Ncln	0	1	-0.0906601	9.68294	8.65282	No change
NM_134023	Tbc1d10a	0	1	0.130065	6.4119	6.67998	No change
NM_134024	Tubg1	0	1	-0.26585	5.19773	4.10489	No change
NM_134028	Tubg2	0	1	0.274319	0.627511	0.727202	No change
NM_134058	Pelo	0	1	0.178464	5.76341	6.21092	No change
NM_134059	Ddx41	0	1	-0.118668	16.5303	14.4884	No change
NM_134066	Akr1c18	0	1	1.11385	0	0.0612551	No change
NM_134072	Akr1c14	0	1	0.0358523	0.513077	0.49916	No change

NM_134078	Chmp7	0	1	0.129452	11.8215	12.3101	No change
NM_134079	Adk	0	1	0.113855	8.15817	8.40377	No change
NM_134084	Ppif	0	1	0.33807	5.04564	6.07926	No change
NM_134093	Letmd1	0	1	-0.0519959	5.94511	5.456	No change
NM_134096	Fam19a5	0	1	0.988324	0.294515	0.579182	No change
NM_134110	Kcne2	0	1	0.654423	0.41141	0.635693	No change
NM_134114	Sft2d1	0	1	0.38279	8.04661	10.0014	No change
NM_134115	Stk38	0	1	0.0968388	12.6329	12.8604	No change
NM_134125	Trip10	0	1	0.245099	2.8693	3.24056	No change
NM_134130	Abhd3	0	1	0.320306	7.16504	8.52209	No change
NM_134134	Hmgxb3	0	1	-0.0126422	9.25961	8.73647	No change
NM_134138	Psmg2	0	1	-0.443202	8.35789	5.83005	No change
NM_134139	Wdr74	0	1	-0.0223496	6.3673	5.96271	No change
NM_134147	Macrocl1	0	1	0.487313	2.35043	3.15317	No change
NM_134148	Carns1	0	1	0.279865	0.70255	0.814162	No change
NM_134154	Slc25a45	0	1	0.0828279	5.32297	5.36572	No change
NM_134156	Actn1	0	1	0.277974	4.62259	5.33776	No change
NM_134157	Atp6v1b1	0	1	-0.350092	1.4105	1.04315	No change
NM_134159	Ii17rc	0	1	0.682139	0.858892	1.32712	No change
NM_134165	Vmn1r37	0	1	0.113855	0	0	No change
NM_134166	Vmn1r36	0	1	0.113855	0	0	No change
NM_134167	Vmn1r35	0	1	-0.886145	0.0782188	0	No change
NM_134168	Vmn1r38	0	1	0.113855	0	0	No change
NM_134169	Vmn1r33	0	1	0.113855	0	0	No change
NM_134170	Vmn1r32	0	1	-2.20807	0.114157	0	No change
NM_134171	Vmn1r17	0	1	0.113855	0	0	No change
NM_134172	Vmn1r26	0	1	0.113855	0	0	No change
NM_134173	Vmn1r24	0	1	0.113855	0	0	No change
NM_134174	Vmn1r5	0	1	-1.88615	0.220547	0	No change
NM_134175	Vmn1r6	0	1	-0.471108	0.152835	0.0787182	No change
NM_134176	Vmn1r4	0	1	-0.886145	0.233869	0.0803031	No change
NM_134177	Vmn1r30	0	1	-0.886145	0.0766699	0	No change
NM_134178	Vmn1r22	0	1	0.113855	0	0	No change
NM_134179	Vmn1r23	0	1	0.113855	0	0	No change
NM_134180	Vmn1r28	0	1	0.113855	0	0	No change
NM_134181	Vmn1r18	0	1	0.113855	0	0	No change
NM_134182	Vmn1r19	0	1	0.113855	0	0	No change
NM_134183	Vmn1r21	0	1	-1.47111	0.155913	0	No change
NM_134184	Vmn1r16	0	1	0.113855	0	0	No change
NM_134185	Vmn1r9	0	1	0.113855	0	0	No change
NM_134187	Vmn1r8	0	1	-1.47111	0.11491	0	No change
NM_134190	Vmn1r229	0	1	0.113855	0	0	No change
NM_134191	Vmn1r226	0	1	-0.886145	0.0776956	0	No change
NM_134192	Vmn1r228	0	1	0.113855	0	0	No change
NM_134193	Vmn1r232	0	1	0.113855	0	0	No change
NM_134194	Vmn1r225	0	1	0.113855	0	0	No change
NM_134195	Vmn1r227	0	1	0.113855	0	0	No change
NM_134196	Vmn1r231	0	1	0.113855	0	0	No change
NM_134197	Vmn1r230	0	1	0.113855	0	0	No change
NM_134198	Vmn1r234	0	1	-0.886145	0.0703969	0	No change
NM_134199	Vmn1r235	0	1	1.11385	0	0.0403094	No change
NM_134200	Vmn1r237	0	1	0.113855	0	0	No change
NM_134201	Vmn1r236	0	1	0.113855	0	0	No change
NM_134202	Vmn1r233	0	1	0.113855	0	0	No change
NM_134203	Vmn1r73	0	1	0.113855	0	0	No change
NM_134204	Vmn1r80	0	1	0.113855	0	0	No change
NM_134205	Vmn1r76	0	1	0.113855	0	0	No change
NM_134206	Vmn1r74	0	1	0.113855	0	0	No change
NM_134207	Vmn1r75	0	1	0.113855	0	0	No change
NM_134208	Vmn1r78	0	1	0.113855	0	0	No change
NM_134209	Vmn1r83	0	1	0.113855	0	0	No change
NM_134210	Vmn1r81	0	1	0.113855	0	0	No change
NM_134211	Vmn1r-ps103	0	1	0.113855	0	0	No change
NM_134212	Vmn1r200	0	1	0.113855	0	0	No change
NM_134213	Vmn1r199	0	1	0.113855	0	0	No change
NM_134214	Vmn1r214	0	1	1.11385	0	0.0650281	No change
NM_134215	Vmn1r213	0	1	0.113855	0	0	No change
NM_134216	Vmn1r206	0	1	0.113855	0	0	No change
NM_134217	Vmn1r205	0	1	0.113855	0	0	No change
NM_134218	Vmn1r208	0	1	-0.886145	0.0751812	0	No change
NM_134219	Vmn1r215	0	1	0.113855	0	0	No change
NM_134220	Vmn1r198	0	1	0.113855	0	0	No change
NM_134221	Vmn1r201	0	1	0.113855	0	0	No change
NM_134222	Vmn1r218	0	1	0.113855	0	0	No change
NM_134223	Vmn1r195	0	1	0.113855	0	0	No change
NM_134224	Vmn1r202	0	1	0.113855	0	0	No change

NM_134225	Vmn1r193	0	1	0.113855	0	0	No change
NM_134226	Vmn1r89	0	1	0.113855	0	0	No change
NM_134227	Vmn1r87	0	1	0.113855	0	0	No change
NM_134228	Vmn1r70	0	1	0.113855	0	0	No change
NM_134229	Vmn1r67	0	1	0.113855	0	0	No change
NM_134230	Vmn1r66	0	1	0.113855	0	0	No change
NM_134231	Vmn1r185	0	1	0.113855	0	0	No change
NM_134233	Vmn1r84	0	1	0.113855	0	0	No change
NM_134234	Vmn1r82	0	1	0.113855	0	0	No change
NM_134235	Vmn1r210	0	1	0.113855	0	0	No change
NM_134236	Vmn1r203	0	1	1.11385	0	0.0766998	No change
NM_134237	Vmn1r220	0	1	0.113855	0	0	No change
NM_134238	Vmn1r219	0	1	0.113855	0	0	No change
NM_134239	Vmn1r217	0	1	0.113855	0	0	No change
NM_134240	Vmn1r222	0	1	-2.47111	0.375906	0	No change
NM_134241	Vmn1r212	0	1	0.113855	0	0	No change
NM_134243	Vmn1r211	0	1	0.113855	0	0	No change
NM_134244	Vmn1r197	0	1	0.113855	0	0	No change
NM_134245	Vmn1r216	0	1	0.113855	0	0	No change
NM_134246	Acot3	0	1	1.69882	0	0.0553729	No change
NM_134247	Acot4	0	1	0.92121	0.209828	0.401412	No change
NM_134250	Havcr2	0	1	0.354863	0.53728	0.658875	No change
NM_134255	Elov15	0	1	-0.186805	17.6926	14.7919	No change
NM_134256	AB056442	0	1	0.113855	0.0324003	0.0333756	No change
NM_134420	Slc26a6	0	1	0.113855	0.510002	0.525356	No change
NM_134436	Vmn1r27	0	1	0.113855	0	0	No change
NM_134437	Il17rd	0	1	-0.065314	1.15307	1.04804	No change
NM_134438	Gpr3711	0	1	0.698817	0.0928002	0.159323	No change
NM_138301	Trpm2	0	1	-0.0270077	0.401413	0.374116	No change
NM_138311	H1foo	0	1	0.113855	0	0	No change
NM_138582	D17H6S56E-3	0	1	-0.234068	0.436288	0.34955	No change
NM_138583	D16H22S680E	0	1	0.429357	4.09688	5.26341	No change
NM_138590	Zcchc7	0	1	0.0883891	20.4963	20.7434	No change
NM_138591	Gfm1	0	1	-0.298586	4.93591	3.81338	No change
NM_138592	Usp39	0	1	-0.0231901	19.5651	18.3248	No change
NM_138595	Gldc	0	1	-0.218309	7.19938	5.88701	No change
NM_138597	Atp5o	0	1	-0.00778258	75.8317	71.791	No change
NM_138599	Tomm70a	0	1	-0.0546282	20.7345	19.0024	No change
NM_138607	Fam50a	0	1	0.461778	3.82984	5.03523	No change
NM_138631	Tssc4	0	1	0.351798	11.2132	13.6363	No change
NM_138647	Lass1	0	1	-0.234068	0.332602	0.26355	No change
NM_138648	Olr1	0	1	-0.471108	0.0390655	0.0201208	No change
NM_138652	Atp12a	0	1	-0.674641	0.317508	0.181703	No change
NM_138654	5033411D12Rik	0	1	0.0900081	2.42692	2.45831	No change
NM_138655	Tmc2	0	1	-1.62311	0.195036	0.0446461	No change
NM_138659	Prpf8	0	1	-0.0518342	19.3959	17.811	No change
NM_138660	Casc3	0	1	-0.0230551	4.50713	4.22074	No change
NM_138669	Eif4a3	0	1	0.174502	26.5814	28.5594	No change
NM_138672	Stab1	0	1	0.153383	3.44324	3.64567	No change
NM_138675	Med9	0	1	0.0329348	11.4266	11.1272	No change
NM_138682	Lrrc4	0	1	0.113855	2.21278	2.27939	No change
NM_138683	Rspo1	0	1	0.329584	1.14002	1.37006	No change
NM_138684	Wfdc12	0	1	0.113855	0	0	No change
NM_138743	Fam165b	0	1	0.515953	7.66622	10.4815	No change
NM_138748	Ppp2r4	0	1	-0.103046	23.6096	20.9216	No change
NM_138942	Dbh	0	1	0.698817	0.0305403	0.0629193	No change
NM_138944	Pou4f2	0	1	0.113855	0	0	No change
NM_138945	Pou4f3	0	1	0.113855	0	0	No change
NM_138948	Cabp7	0	1	0.113855	0	0	No change
NM_138955	Abcg4	0	1	-1.34558	0.192203	0.0593968	No change
NM_139001	Cspg4	0	1	0.301927	0.675286	0.793714	No change
NM_139063	Muted	0	1	-0.0353387	11.1887	10.3892	No change
NM_139128	Coro6	0	1	-1.47111	0.393745	0.1014	No change
NM_139134	Chodl	0	1	0.85082	0.0550932	0.113504	No change
NM_139138	Emr4	0	1	-0.623111	0.0798544	0.0411292	No change
NM_139142	Slc6a20a	0	1	-0.538222	0.772731	0.492757	No change
NM_139148	Clca4	0	1	0.113855	0	0	No change
NM_139149	Fus	0	1	0.159841	9.29743	9.88878	No change
NM_139153	Agap3	0	1	0.0207454	3.45531	3.33547	No change
NM_139154	Rab40c	0	1	0.108208	7.20669	7.39453	No change
NM_139197	Gbg1	0	1	-0.65168	0.835271	0.483984	No change
NM_139218	Dppa3	0	1	0.113855	0	0	No change
NM_139219	Defb9	0	1	2.11385	0	0.666789	No change
NM_139220	Defb7	0	1	0.113855	0	0	No change
NM_139221	Defb11	0	1	0.622002	9.04569	13.3417	No change
NM_139223	Defb13	0	1	1.05245	3.42242	7.0509	No change

NM_139224	Defb35	0	1	1.06495	3.65431	7.52864	No change
NM_139227	Atxn7	0	1	-0.114263	5.55347	4.88246	No change
NM_139236	Nol6	0	1	0.201762	5.92304	6.48569	No change
NM_139269	Pla2g16	0	1	-0.0787903	1.24628	1.12078	No change
NM_139270	Pth2r	0	1	-3.05607	0.230963	0	No change
NM_139291	Cdc26	0	1	0.260696	22.0314	25.1359	No change
NM_139293	Ece2	0	1	-0.886145	0.0668197	0.0229437	No change
NM_139296	Moxd2	0	1	-2.20807	0.149877	0	No change
NM_139304	Gatad2b	0	1	-0.236902	5.04597	4.0679	No change
NM_139305	Car9	0	1	0.265858	0.284606	0.329821	No change
NM_139306	Acer2	0	1	0.0388928	1.29307	1.26369	No change
NM_139307	Vasn	0	1	0.123944	6.20658	6.43845	No change
NM_139310	Otoa	0	1	-0.471108	0.0381984	0.0196741	No change
NM_144491	Dph1	0	1	0.254146	7.75471	8.80745	No change
NM_144509	Arl6ip4	0	1	0.127152	12.6768	13.1799	No change
NM_144512	Slc6a13	0	1	0.747727	0.907629	1.46921	No change
NM_144517	Tbc1d19	0	1	0.176865	2.87795	3.09812	No change
NM_144526	Fam64a	0	1	0.113855	0.142619	0.146912	No change
NM_144531	9030409G11Rik	0	1	0.3065	2.04387	2.40845	No change
NM_144532	Cabp4	0	1	1.11385	0.145903	0.350689	No change
NM_144533	Nmnat3	0	1	0.092716	8.84068	8.97387	No change
NM_144544	2210407C18Rik	0	1	-0.886145	0.23786	0.0816735	No change
NM_144545	Eif3j	0	1	-0.0495336	15.3695	14.1338	No change
NM_144548	Il23r	0	1	0.113855	0.0560233	0.0577098	No change
NM_144559	Fcgr4	0	1	-0.824745	1.2266	0.631761	No change
NM_144761	Crygb	0	1	0.113855	0	0	No change
NM_144785	Slc22a19	0	1	-0.886145	0.0351452	0	No change
NM_144790	Ankrd33	0	1	0.113855	0	0	No change
NM_144793	Slc25a38	0	1	-0.0715002	6.17142	5.58526	No change
NM_144795	Pycr1	0	1	0.561314	0.502248	0.714461	No change
NM_144798	Slc30a6	0	1	-0.104325	3.69386	3.26629	No change
NM_144799	Lmcd1	0	1	0.168303	2.05691	2.20192	No change
NM_144803	Chrna2	0	1	-0.250909	1.83766	1.46554	No change
NM_144809	Prdm9	0	1	-0.411774	2.61852	1.8674	No change
NM_144810	Klhdc8a	0	1	-0.663753	0.179579	0.100901	No change
NM_144811	Cbx7	0	1	-0.172966	11.4669	9.67801	No change
NM_144815	Cecr5	0	1	-0.19317	11.3963	9.48183	No change
NM_144821	Al317395	0	1	-0.371572	0.702392	0.509156	No change
NM_144824	Wrap53	0	1	-0.0963629	4.30067	3.82431	No change
NM_144828	Ppp1r1b	0	1	0.113855	1.17131	1.20657	No change
NM_144830	Tmem106a	0	1	-0.270809	1.39325	1.092	No change
NM_144834	Serpina10	0	1	-1.47111	0.221952	0.0457267	No change
NM_144836	Slc17a2	0	1	-1.88615	0.0703022	0	No change
NM_144838	Sgtb	0	1	0.60418	1.05634	1.53933	No change
NM_144841	Otx2	0	1	0.113855	0	0	No change
NM_144844	Pcca	0	1	-0.0545427	3.13257	2.86833	No change
NM_144853	Cyrr1	0	1	-0.326718	0.617055	0.459067	No change
NM_144854	ORF63	0	1	0.48825	1.09686	1.47754	No change
NM_144855	Cbs	0	1	0.435783	1.12408	1.45482	No change
NM_144856	Slc22a7	0	1	-1.88615	0.104175	0	No change
NM_144858	Dus3l	0	1	0.337895	3.75084	4.5181	No change
NM_144860	Mib1	0	1	0.0833435	12.2739	12.3784	No change
NM_144862	Lims2	0	1	-0.41666	2.64239	1.87133	No change
NM_144866	Etf1	0	1	0.0491012	41.5524	40.9238	No change
NM_144869	BC021614	0	1	1.52889	0.206498	0.744499	No change
NM_144877	Mettl13	0	1	-0.161005	2.42302	2.05852	No change
NM_144878	Fmo4	0	1	-0.886145	0.117	0.040174	No change
NM_144881	Hhat	0	1	0.34518	1.67165	2.02585	No change
NM_144886	Exosc2	0	1	0.0757197	4.89827	4.91295	No change
NM_144891	Gdap111	0	1	0.528892	0.135064	0.194782	No change
NM_144893	Slc35c2	0	1	0.145865	11.7732	12.4006	No change
NM_144903	Aldob	0	1	-0.181601	1.89131	1.58065	No change
NM_144907	Sesn2	0	1	-0.264657	4.75119	3.75855	No change
NM_144909	Gckr	0	1	-1.30118	0.24223	0.0712919	No change
NM_144916	Tmem150a	0	1	0.226623	11.3078	12.5991	No change
NM_144918	Smyd5	0	1	-0.00643942	3.46648	3.28286	No change
NM_144919	Hdac11	0	1	0.00295692	24.1438	23.0284	No change
NM_144921	Atp1a3	0	1	-1.88615	0.0537063	0	No change
NM_144923	Blvrb	0	1	0.453705	5.0759	6.63963	No change
NM_144929	Rtbdn	0	1	-1.05607	0.292214	0.112879	No change
NM_144930	Ces1f	0	1	0.898126	0.618684	1.12466	No change
NM_144933	Med17	0	1	0.0906652	7.82705	7.93382	No change
NM_144934	Mbd3l2	0	1	-2.6935	0.194041	0	No change
NM_144936	Tmem45b	0	1	-0.321082	3.18596	2.41582	No change
NM_144940	Uroc1	0	1	0.85082	0.228026	0.405719	No change
NM_144943	Cd207	0	1	0.113855	0	0	No change

NM_144944	Prokr2	0	1	-1.47111	0.0307491	0	No change
NM_144945	Lgi2	0	1	0.361782	0.542498	0.670595	No change
NM_144946	Neto1	0	1	1.11385	0	0.0203316	No change
NM_144948	Rbm7	0	1	0.0730852	37.2722	37.3234	No change
NM_144955	Nkx6-1	0	1	-1.47111	0.0776523	0	No change
NM_145066	Gpr85	0	1	0.3065	0.1417	0.170294	No change
NM_145073	Hist1h3g	0	1	0.223479	5.24114	5.83666	No change
NM_145077	Ucn2	0	1	-0.301183	0.208661	0.143295	No change
NM_145099	Trpv3	0	1	0.961852	0.114251	0.23538	No change
NM_145100	Lypd1	0	1	0.309111	2.31855	2.73958	No change
NM_145124	Mib2	0	1	-0.0348469	6.94954	6.45582	No change
NM_145126	Chi3l4	0	1	-0.886145	0.0461543	0	No change
NM_145129	Chrna3	0	1	-0.886145	0.022316	0	No change
NM_145132	Mchr1	0	1	1.11385	0.159189	0.360759	No change
NM_145134	Spsb4	0	1	0.573286	0.218571	0.321644	No change
NM_145137	Mgl2	0	1	0.113855	0.539558	0.555801	No change
NM_145138	Nek9	0	1	0.0920853	18.9954	19.274	No change
NM_145140	Abcc10	0	1	0.472309	0.983389	1.30242	No change
NM_145142	Chst10	0	1	0.0785217	2.74839	2.76208	No change
NM_145144	Aif1l	0	1	-0.234068	0.96763	0.777958	No change
NM_145146	Afm	0	1	-2.6935	0.206804	0	No change
NM_145152	Lrrc3	0	1	0.134613	1.10315	1.15307	No change
NM_145153	Oas1f	0	1	0.113855	0	0	No change
NM_145154	Angptl6	0	1	0.511614	2.76276	3.76398	No change
NM_145155	Wasf3	0	1	-0.371572	0.882518	0.641707	No change
NM_145156	Slc25a28	0	1	-0.105402	17.3551	15.3504	No change
NM_145157	Defb19	0	1	-0.0193763	232.428	218.288	No change
NM_145209	Oasl1	0	1	-0.886145	0.426558	0.202799	No change
NM_145210	Oas1e	0	1	0.113855	0	0	No change
NM_145211	Oas1a	0	1	0.565234	1.77185	2.50964	No change
NM_145217	Diras1	0	1	-0.886145	0.0238674	0	No change
NM_145218	Wbscr17	0	1	-1.10854	0.448453	0.188203	No change
NM_145226	Oas3	0	1	0.113855	0.192032	0.197813	No change
NM_145229	AY074887	0	1	0.113855	0.0998466	0.102852	No change
NM_145353	Yipf3	0	1	0.140948	7.1919	7.54952	No change
NM_145355	Rnf185	0	1	0.0418912	14.4637	14.1729	No change
NM_145356	Zbtb7c	0	1	-0.371572	0.198165	0.141321	No change
NM_145360	Idi1	0	1	0.0472451	23.1418	22.7618	No change
NM_145363	Tspan10	0	1	-0.623111	0.135064	0.0695649	No change
NM_145364	Akr1d1	0	1	0.113855	0	0	No change
NM_145365	Creb3l3	0	1	-1.20807	0.122108	0.0314459	No change
NM_145368	Acnat2	0	1	-0.345577	0.42009	0.302915	No change
NM_145369	Wfdc5	0	1	-2.88615	0.209918	0	No change
NM_145371	Eif2b1	0	1	0.00380127	12.6943	12.1133	No change
NM_145373	Sectm1a	0	1	-0.54101	3.15021	2.04482	No change
NM_145376	Lpcat1	0	1	0.721537	0.868448	1.38662	No change
NM_145379	Mrgprf	0	1	0.492366	0.31268	0.429457	No change
NM_145383	Rho	0	1	-1.30118	0.323051	0.110925	No change
NM_145389	BC016579	0	1	0.830062	0.413325	0.72053	No change
NM_145395	Duoxa1	0	1	0.113855	0.139665	0.14387	No change
NM_145403	Tmprss4	0	1	1.11385	0	0.0316678	No change
NM_145414	Nsun5	0	1	0.00138008	3.69913	3.5223	No change
NM_145415	Diexf	0	1	0.102173	1.5451	1.57868	No change
NM_145419	Hkdc1	0	1	-0.471108	0.0400189	0.0206118	No change
NM_145423	Slc5a8	0	1	-0.0116761	0.143805	0.134667	No change
NM_145424	BC089597	0	1	-0.471108	0.110186	0.0567518	No change
NM_145426	Mfap3	0	1	0.0694607	7.07819	7.06988	No change
NM_145430	BC017647	0	1	0.282126	3.46311	4.01098	No change
NM_145431	Nle1	0	1	0.371653	1.77486	2.19395	No change
NM_145432	Heatr6	0	1	0.0329348	2.01474	1.9615	No change
NM_145434	Nr1d1	0	1	-0.242289	3.36924	2.70548	No change
NM_145435	Pyy	0	1	-0.886145	0.139946	0	No change
NM_145437	Cd300ld	0	1	-0.248715	0.486363	0.383121	No change
NM_145439	Tmc6	0	1	0.177549	6.86878	7.39605	No change
NM_145440	Uts2r	0	1	0.113855	0	0	No change
NM_145442	Mbip	0	1	-0.0560702	7.44069	6.80776	No change
NM_145444	Acot5	0	1	1.11385	0.0918221	0.236466	No change
NM_145449	Ifi27l2b	0	1	-1.47111	0.127526	0	No change
NM_145460	Oxnad1	0	1	0.0272671	6.92874	6.71952	No change
NM_145462	Haus4	0	1	0.0887638	43.2562	43.7893	No change
NM_145467	Itgbl1	0	1	0.393963	2.86814	3.59412	No change
NM_145472	C030006K11Rik	0	1	0.290733	1.78293	2.08149	No change
NM_145474	Cyp2d34	0	1	-2.47111	0.214836	0	No change
NM_145482	Setd4	0	1	0.204053	2.32946	2.55694	No change
NM_145484	Zfp758	0	1	-0.0450488	7.61607	7.0246	No change
NM_145488	Pex6	0	1	-0.118319	3.20152	2.80433	No change

NM_145489	Al661453	0	1	0.113855	0.1108	0.114135	No change
NM_145492	Zfp521	0	1	0.175255	0.509865	0.548557	No change
NM_145499	Cyp2c70	0	1	0.113855	0	0	No change
NM_145501	Pi4k2a	0	1	-0.128301	6.3206	5.50188	No change
NM_145509	5430435G22Rik	0	1	0.67457	1.0773	1.65037	No change
NM_145510	Rabif	0	1	0.220164	12.0602	13.3761	No change
NM_145519	Farp2	0	1	-0.168288	2.69009	2.27558	No change
NM_145523	Gca	0	1	0.0682579	4.74794	4.73803	No change
NM_145528	Atg13	0	1	0.149774	9.3409	9.86518	No change
NM_145536	BC020535	0	1	0.113855	0.226066	0.232872	No change
NM_145540	Ints3	0	1	0.119637	11.6572	12.0564	No change
NM_145551	Slc5a9	0	1	0.546814	0.303708	0.428111	No change
NM_145558	Hadhb	0	1	-0.164366	27.2836	23.1691	No change
NM_145561	Tmprss11d	0	1	1.11385	0	0.0350885	No change
NM_145565	Sds	0	1	-0.371572	0.359242	0.246704	No change
NM_145572	Gys2	0	1	2.11385	0	0.0810587	No change
NM_145575	Cald1	0	1	0.183352	6.63249	7.1702	No change
NM_145580	Tmem149	0	1	0.656997	1.99794	3.0266	No change
NM_145581	Siglec5	0	1	-1.47111	0.0569852	0	No change
NM_145584	Spon1	0	1	0.0355878	3.41344	3.32991	No change
NM_145589	Prr14	0	1	-0.164301	6.42472	5.45208	No change
NM_145592	Dkk4	0	1	1.11385	0	0.0546354	No change
NM_145598	Nxn1	0	1	0.113855	0.2007	0.206741	No change
NM_145600	Zfp330	0	1	-0.0659662	27.1217	24.659	No change
NM_145603	Ces2c	0	1	0.113855	0	0	No change
NM_145604	D230025D16Rik	0	1	-0.175652	4.24809	3.5758	No change
NM_145605	Klhdc4	0	1	0.15671	6.62468	7.0309	No change
NM_145610	Ppan	0	1	0.0171788	4.46268	4.29629	No change
NM_145611	Kank2	0	1	0.236061	2.58494	2.89945	No change
NM_145618	Narg2	0	1	0.268577	4.56663	5.23866	No change
NM_145620	Rrp9	0	1	-0.264657	2.90198	2.28872	No change
NM_145635	Adig	0	1	0.0733757	27.789	27.8304	No change
NM_145636	Il27	0	1	-1.88615	0.296566	0	No change
NM_145706	Nup43	0	1	-0.159164	4.6462	3.95129	No change
NM_145707	Obox3	0	1	0.113855	0	0	No change
NM_145708	Obox2	0	1	0.113855	0	0	No change
NM_145709	Obox5	0	1	0.113855	0	0	No change
NM_145710	Obox6	0	1	0.113855	0	0	No change
NM_145712	Mtnr1b	0	1	0.113855	0	0	No change
NM_145741	Gdf10	0	1	0.712492	0.944424	1.4879	No change
NM_145743	Lace1	0	1	0.322172	2.82876	3.371	No change
NM_145819	Mzf1	0	1	-0.0787903	0.936679	0.841701	No change
NM_145827	Nlrp3	0	1	-0.127153	0.207987	0.17854	No change
NM_145829	Nags	0	1	-0.248715	0.747967	0.589194	No change
NM_145834	Il17c	0	1	0.113855	0	0	No change
NM_145835	Lctl	0	1	-1.20807	0.770442	0.297613	No change
NM_145840	Rgs9bp	0	1	0.757711	0.158657	0.261494	No change
NM_145841	Sgcz	0	1	0.113855	0	0	No change
NM_145842	Vmn1r69	0	1	0.113855	0	0	No change
NM_145843	Vmn1r72	0	1	0.113855	0	0	No change
NM_145844	Vmn1r189	0	1	1.11385	0	0.0764547	No change
NM_145845	Vmn1r192	0	1	0.113855	0	0	No change
NM_145847	Vmn1r85	0	1	0.113855	0	0	No change
NM_145848	Vmn1r71	0	1	0.113855	0	0	No change
NM_145849	Vmn1r191	0	1	0.113855	0	0	No change
NM_145850	Vmn1r188	0	1	0.113855	0	0	No change
NM_145856	Il17f	0	1	-0.886145	0.0593131	0	No change
NM_145857	Nod2	0	1	0.113855	0.135736	0.139822	No change
NM_145920	Evc2	0	1	-0.22318	0.796781	0.646136	No change
NM_145921	Olah	0	1	-1.6935	0.277293	0.0476067	No change
NM_145927	Fntb	0	1	0.326158	2.20513	2.63607	No change
NM_145932	Osta	0	1	-1.20807	0.180552	0.0464967	No change
NM_145935	Glyat	0	1	0.698817	0.0532007	0.109605	No change
NM_145938	Rpp40	0	1	0.397648	2.318	2.91257	No change
NM_145939	Alg3	0	1	0.0777856	3.91259	3.92961	No change
NM_145950	Osgin2	0	1	-0.16032	5.45011	4.6378	No change
NM_145960	Mtrf1	0	1	-0.134073	2.09603	1.81212	No change
NM_145967	Vstm2a	0	1	-0.191	0.384089	0.316521	No change
NM_145968	Tagap	0	1	-0.218601	10.105	8.26203	No change
NM_145972	BC027231	0	1	-0.347372	5.13581	3.83555	No change
NM_145974	N4bp3	0	1	0.242803	6.63871	7.48055	No change
NM_145978	Pdlim2	0	1	-0.301183	2.90004	2.22865	No change
NM_145979	Chd4	0	1	0.0630902	28.2243	28.0683	No change
NM_145981	Phyhip	0	1	0.568421	0.649701	0.926667	No change
NM_145983	Kcna5	0	1	1.11385	0	0.0238905	No change
NM_145998	Hmx2	0	1	0.113855	0	0	No change

NM_145999	Rhot2	0	1	-0.0213726	9.40656	8.82047	No change
NM_146000	Bud13	0	1	-0.388646	2.65136	1.91833	No change
NM_146002	Rhbdd2	0	1	-0.0661239	5.39698	4.9054	No change
NM_146003	Senp6	0	1	0.036913	13.8454	13.5208	No change
NM_146004	Mfsd6l	0	1	-0.127153	4.36427	3.79865	No change
NM_146008	Tcp11l2	0	1	0.336247	4.84947	5.83302	No change
NM_146016	Eml6	0	1	0.183477	5.39948	5.83746	No change
NM_146017	Gabrp	0	1	-1.88615	0.0637435	0	No change
NM_146018	Ficn	0	1	0.132838	11.0492	11.5329	No change
NM_146020	Gltpd2	0	1	0.113855	0	0	No change
NM_146027	Scrn2	0	1	0.400736	4.54519	5.72247	No change
NM_146032	Srp68	0	1	0.0551503	26.2659	25.9766	No change
NM_146036	Ahsa1	0	1	0.132411	16.2617	16.9688	No change
NM_146045	B4gal7	0	1	0.233436	3.49338	3.91342	No change
NM_146051	3830406C13Rik	0	1	-0.150348	20.8207	17.8535	No change
NM_146052	Lrrc3b	0	1	2.43578	0.0419837	0.389228	No change
NM_146063	Krt79	0	1	1.69882	0	0.0684702	No change
NM_146064	Soat2	0	1	-0.14918	0.163906	0.135072	No change
NM_146065	Atf7	0	1	0.0704622	3.2722	3.27009	No change
NM_146067	Cpped1	0	1	0.275822	5.26034	6.0657	No change
NM_146068	2310008H04Rik	0	1	-0.0603499	4.48805	4.09479	No change
NM_146069	Lrrc33	0	1	0.0425961	1.60574	1.57339	No change
NM_146075	Lemd2	0	1	-0.0529643	9.31566	8.54523	No change
NM_146077	Trim31	0	1	0.113855	0.0310022	0.0319355	No change
NM_146079	Guca1b	0	1	0.113855	0.0417823	0.0430402	No change
NM_146085	Apbb3	0	1	0.0870548	5.47539	5.53577	No change
NM_146086	Pde6a	0	1	0.113855	0.0830073	0.0855062	No change
NM_146093	Ubxn1	0	1	0.0903321	24.9626	25.2971	No change
NM_146100	Ina	0	1	1.03985	0.277661	0.57204	No change
NM_146101	Habp2	0	1	0.85082	0.0674665	0.138995	No change
NM_146103	Tmem185b	0	1	-0.362583	5.37921	3.9729	No change
NM_146117	Lrrc26	0	1	-2.88615	0.404184	0	No change
NM_146125	Itпка	0	1	-1.60235	0.848034	0.238244	No change
NM_146129	Pcif1	0	1	0.27058	4.60905	5.29563	No change
NM_146139	Vav3	0	1	0.402286	2.78956	3.51474	No change
NM_146140	Tram111	0	1	-1.20807	0.125347	0.0322801	No change
NM_146141	Ppa2	0	1	-0.283293	10.7043	8.35882	No change
NM_146148	C8a	0	1	-0.54911	0.345109	0.217249	No change
NM_146149	Fam151a	0	1	0.376889	0.514339	0.643356	No change
NM_146154	Ppp1r8	0	1	0.118287	11.0635	11.4317	No change
NM_146167	Gimap7	0	1	0.354863	0.549196	0.678874	No change
NM_146169	Paip2b	0	1	-0.0430512	21.952	20.2803	No change
NM_146176	Cnot3	0	1	0.228314	2.59099	2.89141	No change
NM_146182	Klc3	0	1	0.152587	17.1888	18.1892	No change
NM_146188	Kctd15	0	1	0.403361	1.27187	1.60793	No change
NM_146189	Mybpc2	0	1	-0.623111	0.173078	0.0990494	No change
NM_146190	Tubgcp5	0	1	0.0538727	4.16529	4.11516	No change
NM_146194	Picalm	0	1	-0.0538377	21.5041	19.7185	No change
NM_146198	Slc5a11	0	1	0.113855	0	0	No change
NM_146205	Armc5	0	1	-0.105458	2.81753	2.4904	No change
NM_146213	Ces4a	0	1	-0.886145	0.0859346	0.0295072	No change
NM_146214	Tat	0	1	1.11385	0	0.0302023	No change
NM_146217	Aars	0	1	-0.118534	15.1184	13.2544	No change
NM_146219	Klhl36	0	1	-0.152425	2.8632	2.44666	No change
NM_146222	BC024479	0	1	-0.18645	4.50221	3.76033	No change
NM_146223	Cplx3	0	1	-0.886145	0.0243767	0	No change
NM_146232	BC014805	0	1	-0.886145	0.0347769	0	No change
NM_146239	Cdk17	0	1	0.0475123	6.79138	6.68052	No change
NM_146242	Lrrc10	0	1	-1.20807	0.195218	0.0502738	No change
NM_146244	Rps6kl1	0	1	0.735343	0.330038	0.538291	No change
NM_146245	Lrit1	0	1	-1.88615	0.0484315	0	No change
NM_146246	Rp11l	0	1	-0.471108	0.0206223	0.0106215	No change
NM_146250	Gpr1	0	1	-1.88615	0.13043	0	No change
NM_146252	Tbc1d13	0	1	-0.063023	4.67967	4.26194	No change
NM_146257	Slc29a4	0	1	1.05245	0.274874	0.566297	No change
NM_146259	Zfp668	0	1	0.316163	1.85794	2.20511	No change
NM_146260	Tmie	0	1	0.320306	0.343174	0.412422	No change
NM_146262	Olf1290	0	1	0.113855	0	0	No change
NM_146263	Olf1274-ps	0	1	0.113855	0	0	No change
NM_146265	Olf1506	0	1	0.113855	0	0	No change
NM_146266	Olf1772	0	1	-0.886145	0.0694153	0	No change
NM_146267	Olf1769	0	1	0.113855	0	0	No change
NM_146269	Olf1247	0	1	0.113855	0	0	No change
NM_146270	Olf1370	0	1	0.113855	0	0	No change
NM_146271	Olf1511	0	1	0.113855	0	0	No change
NM_146272	Olf1930	0	1	-1.47111	0.375906	0.0774444	No change

NM_146273	Olfr448	0	1	0.113855	0	0	No change
NM_146274	Olfr1311	0	1	0.113855	0	0	No change
NM_146275	Olfr1402	0	1	0.113855	0	0	No change
NM_146276	Olfr1394	0	1	0.113855	0	0	No change
NM_146277	Olfr1412	0	1	0.113855	0	0	No change
NM_146278	Olfr729	0	1	0.113855	0	0	No change
NM_146279	Olfr960	0	1	-0.886145	0.0732838	0	No change
NM_146280	Olfr281	0	1	0.113855	0	0	No change
NM_146281	Olfr284	0	1	0.113855	0	0	No change
NM_146282	Olfr846	0	1	0.113855	0	0	No change
NM_146283	Olfr1366	0	1	1.11385	0	0.0681129	No change
NM_146284	Olfr780	0	1	0.113855	0	0	No change
NM_146285	Olfr801	0	1	0.113855	0	0	No change
NM_146286	Olfr981	0	1	-2.20807	0.298791	0	No change
NM_146287	Olfr114	0	1	0.113855	0	0	No change
NM_146288	Olfr122	0	1	0.113855	0	0	No change
NM_146289	Olfr113	0	1	-2.20807	0.296882	0	No change
NM_146290	Olfr125	0	1	-0.886145	0.0623372	0	No change
NM_146291	Olfr1484	0	1	0.113855	0	0	No change
NM_146292	Olfr1324	0	1	0.113855	0	0	No change
NM_146293	Olfr1143	0	1	0.113855	0	0	No change
NM_146294	Olfr1167	0	1	0.113855	0	0	No change
NM_146295	Olfr446	0	1	-1.47111	0.150362	0	No change
NM_146296	Olfr437	0	1	-0.886145	0.0746977	0	No change
NM_146297	Olfr1115	0	1	0.113855	0	0	No change
NM_146298	Olfr746	0	1	0.113855	0	0	No change
NM_146299	Olfr745	0	1	0.113855	0	0	No change
NM_146300	Olfr827	0	1	0.113855	0	0	No change
NM_146301	Olfr1475	0	1	0.113855	0	0	No change
NM_146302	Olfr1461	0	1	0.113855	0	0	No change
NM_146303	Olfr1449	0	1	0.113855	0	0	No change
NM_146304	Olfr1340	0	1	-1.47111	0.147032	0	No change
NM_146305	Olfr420	0	1	-1.88615	0.199884	0	No change
NM_146306	Olfr518	0	1	0.113855	0	0	No change
NM_146307	Olfr498	0	1	0.113855	0	0	No change
NM_146308	Olfr1356	0	1	0.113855	0	0	No change
NM_146309	Olfr1337	0	1	0.376889	0.294063	0.378644	No change
NM_146310	Olfr493	0	1	0.113855	0	0	No change
NM_146311	Olfr510	0	1	0.113855	0	0	No change
NM_146312	Olfr657	0	1	0.698817	0.0725968	0.149565	No change
NM_146313	Olfr145	0	1	0.113855	0	0	No change
NM_146314	Olfr601	0	1	0.113855	0	0	No change
NM_146315	Olfr62	0	1	-1.47111	0.147032	0	No change
NM_146316	Olfr726	0	1	0.113855	0	0	No change
NM_146317	Olfr725	0	1	0.113855	0	0	No change
NM_146318	Olfr767	0	1	0.113855	0	0	No change
NM_146319	Olfr727	0	1	0.113855	0	0	No change
NM_146320	Olfr1145	0	1	0.113855	0	0	No change
NM_146321	Olfr186	0	1	-0.886145	0.374693	0.154389	No change
NM_146322	Olfr187	0	1	-2.20807	0.25646	0	No change
NM_146323	Olfr1232	0	1	0.113855	0	0	No change
NM_146324	Olfr809	0	1	0.113855	0	0	No change
NM_146325	Olfr554	0	1	-3.20807	0.657481	0	No change
NM_146326	Olfr943	0	1	0.113855	0	0	No change
NM_146327	Olfr129	0	1	-0.886145	0.0562948	0	No change
NM_146328	Olfr110	0	1	-0.886145	0.0630135	0	No change
NM_146329	Olfr642	0	1	-0.886145	0.0737491	0	No change
NM_146330	Olfr958	0	1	0.113855	0	0	No change
NM_146331	Olfr954	0	1	0.113855	0	0	No change
NM_146332	Olfr135	0	1	0.113855	0	0	No change
NM_146334	Olfr1330	0	1	-1.47111	0.147032	0	No change
NM_146336	Olfr893	0	1	-0.886145	0.073984	0	No change
NM_146337	Olfr1396	0	1	1.69882	0	0.146363	No change
NM_146338	Olfr374	0	1	-1.47111	0.129061	0	No change
NM_146339	Olfr77	0	1	0.113855	0	0	No change
NM_146341	Olfr1259	0	1	0.113855	0	0	No change
NM_146342	Olfr1269	0	1	0.113855	0	0	No change
NM_146343	Olfr1265	0	1	0.113855	0	0	No change
NM_146344	Olfr1495	0	1	-1.47111	0.145194	0	No change
NM_146345	Olfr1491	0	1	0.113855	0	0	No change
NM_146346	Olfr397	0	1	0.113855	0	0	No change
NM_146347	Olfr390	0	1	0.113855	0	0	No change
NM_146348	Olfr1121	0	1	0.113855	0	0	No change
NM_146349	Olfr1128	0	1	0.113855	0	0	No change
NM_146350	Olfr1123	0	1	0.113855	0	0	No change
NM_146351	Olfr1133	0	1	0.113855	0	0	No change

NM_146353	Olfr706	0	1	0.113855	0	0	No change
NM_146354	Olfr633	0	1	0.113855	0	0	No change
NM_146355	Olfr692	0	1	-0.886145	0.351985	0.145032	No change
NM_146356	Olfr521	0	1	0.113855	0.0721459	0.0743178	No change
NM_146357	Olfr168	0	1	0.113855	0	0	No change
NM_146358	Olfr677	0	1	0.113855	0	0	No change
NM_146359	Olfr564	0	1	0.113855	0	0	No change
NM_146360	Olfr574	0	1	0.113855	0	0	No change
NM_146361	Olfr557	0	1	0.113855	0	0	No change
NM_146362	Olfr1312	0	1	0.113855	0	0	No change
NM_146363	Olfr731	0	1	-2.20807	0.284171	0	No change
NM_146364	Olfr495	0	1	0.113855	0	0	No change
NM_146365	Olfr1094	0	1	0.113855	0	0	No change
NM_146366	Olfr1093	0	1	0.113855	0	0	No change
NM_146367	Olfr976	0	1	-3.20807	0.222978	0	No change
NM_146368	Olfr361	0	1	-3.20807	0.647303	0	No change
NM_146369	Olfr434	0	1	0.113855	0	0	No change
NM_146370	Olfr47	0	1	1.11385	0	0.0743178	No change
NM_146371	Olfr1450	0	1	0.113855	0	0	No change
NM_146372	Olfr509	0	1	0.113855	0	0	No change
NM_146373	Olfr1253	0	1	0.113855	0	0	No change
NM_146374	Olfr368	0	1	-1.47111	0.141652	0	No change
NM_146375	Olfr918	0	1	0.113855	0	0	No change
NM_146376	Olfr323	0	1	0.113855	0	0	No change
NM_146378	Olfr794	0	1	0.113855	0	0	No change
NM_146379	Olfr654	0	1	-0.208073	0.271707	0.209915	No change
NM_146380	Olfr593	0	1	-0.886145	0.0708262	0	No change
NM_146381	Olfr1284	0	1	-0.886145	0.0744583	0	No change
NM_146382	Olfr461	0	1	0.113855	0.147968	0.152422	No change
NM_146383	Olfr460	0	1	0.113855	0	0	No change
NM_146384	Olfr208	0	1	0.113855	0	0	No change
NM_146385	Olfr1347	0	1	-0.301183	0.21779	0.149565	No change
NM_146386	Myocd	0	1	0.68322	0.420343	0.649496	No change
NM_146389	Olfr1350	0	1	0.113855	0.0751812	0.0774444	No change
NM_146390	Olfr1323	0	1	-1.88615	0.224816	0	No change
NM_146391	Olfr1058	0	1	0.113855	0	0	No change
NM_146392	Olfr720	0	1	0.113855	0	0	No change
NM_146394	Olfr1278	0	1	-3.05607	0.591872	0	No change
NM_146395	Olfr1276	0	1	-2.20807	0.296882	0	No change
NM_146396	Olfr1277	0	1	-1.47111	0.152835	0	No change
NM_146397	Olfr190	0	1	-2.20807	0.301701	0	No change
NM_146398	Olfr1325	0	1	0.113855	0	0	No change
NM_146399	Olfr1328	0	1	-0.886145	0.073984	0	No change
NM_146400	Olfr1288	0	1	0.113855	0	0	No change
NM_146401	Olfr1305	0	1	0.113855	0	0	No change
NM_146402	Olfr1303	0	1	0.113855	0	0	No change
NM_146403	Olfr1295	0	1	0.113855	0	0	No change
NM_146404	Olfr1289	0	1	0.113855	0	0	No change
NM_146405	Olfr228	0	1	0.113855	0	0	No change
NM_146406	Olfr1076	0	1	0.113855	0	0	No change
NM_146407	Olfr1079	0	1	-1.47111	0.147032	0	No change
NM_146408	Olfr1065	0	1	0.113855	0	0	No change
NM_146409	Olfr1080	0	1	0.113855	0	0	No change
NM_146410	Olfr1420	0	1	0.3065	0.449632	0.540362	No change
NM_146411	Olfr462	0	1	0.113855	0	0	No change
NM_146412	Olfr464	0	1	0.113855	0	0	No change
NM_146413	Olfr463	0	1	0.113855	0	0	No change
NM_146414	Olfr1431	0	1	-0.886145	0.0742204	0	No change
NM_146415	Olfr291	0	1	0.113855	0	0	No change
NM_146416	Olfr290	0	1	0.113855	0	0	No change
NM_146417	Olfr877	0	1	0.113855	0	0	No change
NM_146418	Olfr881	0	1	0.113855	0	0	No change
NM_146419	Olfr883	0	1	0.113855	0	0	No change
NM_146420	Olfr738	0	1	0.113855	0	0	No change
NM_146423	Olfr887	0	1	0.113855	0	0	No change
NM_146424	Olfr888	0	1	0.113855	0	0	No change
NM_146425	Olfr470	0	1	1.11385	0	0.0759693	No change
NM_146426	Olfr469	0	1	0.85082	0.147498	0.303877	No change
NM_146429	Olfr223	0	1	0.113855	0	0	No change
NM_146430	Olfr742	0	1	0.113855	0	0	No change
NM_146431	Olfr1510	0	1	0.113855	0	0	No change
NM_146432	Olfr1512	0	1	-1.47111	0.147968	0	No change
NM_146433	Olfr994	0	1	0.113855	0	0	No change
NM_146434	Olfr995	0	1	0.113855	0	0	No change
NM_146435	Olfr993	0	1	-0.886145	0.0737491	0	No change
NM_146436	Olfr998	0	1	0.113855	0	0	No change

NM_146437	Olfr996	0	1	1.11385	0	0.06722	No change
NM_146438	Olfr938	0	1	0.113855	0	0	No change
NM_146439	Olfr937	0	1	0.113855	0	0	No change
NM_146440	Olfr919	0	1	0.113855	0	0	No change
NM_146441	Olfr933	0	1	-0.886145	0.0751812	0	No change
NM_146442	Olfr934	0	1	0.113855	0	0	No change
NM_146443	Olfr382	0	1	0.113855	0	0	No change
NM_146444	Olfr458	0	1	1.11385	0	0.0762112	No change
NM_146445	Olfr450	0	1	0.113855	0	0	No change
NM_146446	Olfr215	0	1	-2.47111	0.373488	0	No change
NM_146447	Olfr1309	0	1	0.113855	0	0	No change
NM_146448	Olfr1317	0	1	-0.471108	0.146568	0.07549	No change
NM_146449	Olfr1310	0	1	0.113855	0	0	No change
NM_146450	Olfr1314	0	1	0.113855	0	0	No change
NM_146451	Olfr164	0	1	0.113855	0	0	No change
NM_146452	Olfr694	0	1	0.113855	0	0	No change
NM_146453	Olfr693	0	1	0.113855	0	0	No change
NM_146454	Olfr1231	0	1	0.113855	0	0	No change
NM_146455	Olfr1241	0	1	0.113855	0	0	No change
NM_146456	Olfr92	0	1	0.113855	0	0	No change
NM_146457	Olfr282	0	1	0.113855	0	0	No change
NM_146458	Olfr1199	0	1	0.113855	0	0	No change
NM_146459	Olfr1215	0	1	0.113855	0	0	No change
NM_146461	Olfr1209	0	1	0.113855	0	0	No change
NM_146462	Olfr1202	0	1	0.113855	0	0	No change
NM_146463	Olfr1204	0	1	0.113855	0	0	No change
NM_146464	Olfr1196	0	1	-0.886145	0.0737491	0	No change
NM_146465	Olfr108	0	1	0.113855	0	0	No change
NM_146466	Olfr165	0	1	1.11385	0	0.0762112	No change
NM_146467	Olfr1388	0	1	0.113855	0	0	No change
NM_146468	Olfr1391	0	1	0.113855	0	0	No change
NM_146469	Olfr1381	0	1	0.113855	0	0	No change
NM_146470	Olfr1392	0	1	-1.47111	0.135854	0	No change
NM_146471	Olfr1393	0	1	-1.76061	0.744583	0.1534	No change
NM_146472	Olfr1384	0	1	0.113855	0	0	No change
NM_146473	Olfr1387	0	1	0.113855	0	0	No change
NM_146474	Olfr1261	0	1	0.113855	0	0	No change
NM_146476	Olfr1254	0	1	0.113855	0	0	No change
NM_146477	Olfr90	0	1	0.113855	0	0	No change
NM_146478	Olfr891	0	1	0.113855	0	0	No change
NM_146479	Olfr899	0	1	0.113855	0	0	No change
NM_146481	Olfr890	0	1	0.113855	0	0	No change
NM_146482	Olfr889	0	1	0.113855	0	0	No change
NM_146484	Olfr197	0	1	-0.886145	0.0752624	0	No change
NM_146485	Olfr183	0	1	-2.20807	0.233087	0	No change
NM_146486	Olfr203	0	1	-1.47111	0.151342	0	No change
NM_146487	Olfr130	0	1	1.11385	0	0.0752526	No change
NM_146488	Olfr137	0	1	0.113855	0	0	No change
NM_146489	Olfr266	0	1	0.113855	0	0	No change
NM_146490	Olfr1411	0	1	0.113855	0	0	No change
NM_146491	Olfr1410	0	1	-0.886145	0.0719225	0	No change
NM_146492	Olfr724	0	1	-1.88615	0.207832	0	No change
NM_146493	Olfr730	0	1	0.113855	0	0	No change
NM_146494	Olfr722	0	1	-1.47111	0.0881074	0	No change
NM_146495	Olfr474	0	1	0.113855	0	0	No change
NM_146496	Olfr486	0	1	0.113855	0	0	No change
NM_146497	Olfr492	0	1	0.113855	0	0	No change
NM_146498	Olfr490	0	1	0.113855	0	0	No change
NM_146499	Olfr484	0	1	0.113855	0	0	No change
NM_146500	Olfr319	0	1	0.113855	0	0	No change
NM_146501	Olfr318	0	1	-0.886145	0.0679268	0	No change
NM_146502	Olfr328	0	1	-1.47111	0.149395	0	No change
NM_146503	Olfr952	0	1	-0.886145	0.0737491	0	No change
NM_146504	Olfr961	0	1	0.113855	0	0	No change
NM_146505	Olfr148	0	1	0.113855	0	0	No change
NM_146506	Olfr945	0	1	0.113855	0	0	No change
NM_146507	Olfr944	0	1	0.113855	0	0	No change
NM_146508	Olfr959	0	1	0.113855	0	0	No change
NM_146510	Olfr98	0	1	-0.886145	0.0749386	0	No change
NM_146511	Olfr107	0	1	0.113855	0	0	No change
NM_146512	Olfr97	0	1	-0.886145	0.0746977	0	No change
NM_146513	Olfr95	0	1	0.113855	0	0	No change
NM_146514	Olfr96	0	1	1.11385	0	0.0762112	No change
NM_146515	Olfr99	0	1	0.85082	0.151836	0.312815	No change
NM_146518	Olfr523	0	1	0.113855	0	0	No change
NM_146519	Olfr530	0	1	0.113855	0	0	No change

NM_146520	Olfr536	0	1	0.113855	0.018088	0.0186325	No change
NM_146522	Olfr854	0	1	0.113855	0	0	No change
NM_146523	Olfr850	0	1	0.113855	0	0	No change
NM_146524	Olfr855	0	1	0.113855	0	0	No change
NM_146525	Olfr847	0	1	0.113855	0	0	No change
NM_146526	Olfr859	0	1	0.113855	0	0	No change
NM_146527	Olfr849	0	1	0.113855	0	0	No change
NM_146528	Olfr860	0	1	-2.20807	0.228689	0	No change
NM_146529	Olfr1183	0	1	0.113855	0	0	No change
NM_146530	Olfr1186	0	1	0.113855	0	0	No change
NM_146531	Olfr1168	0	1	0.113855	0	0	No change
NM_146532	Olfr1170	0	1	0.113855	0	0	No change
NM_146533	Olfr1367	0	1	0.113855	0	0	No change
NM_146534	Olfr1368	0	1	-0.886145	0.0737491	0	No change
NM_146535	Olfr1370	0	1	0.113855	0	0	No change
NM_146536	Olfr313	0	1	0.113855	0	0	No change
NM_146537	Olfr311	0	1	0.113855	0	0	No change
NM_146538	Olfr315	0	1	-2.88615	0.488828	0	No change
NM_146539	Olfr373	0	1	-0.471108	0.147498	0.0759693	No change
NM_146540	Olfr1364	0	1	0.113855	0	0	No change
NM_146541	Olfr1361	0	1	0.113855	0	0	No change
NM_146542	Olfr11	0	1	0.113855	0	0	No change
NM_146543	Olfr1360	0	1	0.113855	0	0	No change
NM_146544	Olfr777	0	1	0.113855	0	0	No change
NM_146545	Olfr775	0	1	0.113855	0	0	No change
NM_146547	Olfr771	0	1	0.113855	0	0	No change
NM_146548	Olfr800	0	1	0.113855	0	0	No change
NM_146549	Olfr786	0	1	0.113855	0	0	No change
NM_146550	Olfr810	0	1	0.113855	0	0	No change
NM_146551	Olfr788	0	1	-1.88615	0.223375	0	No change
NM_146552	Olfr811	0	1	0.113855	0	0	No change
NM_146553	Olfr806	0	1	0.113855	0	0	No change
NM_146554	Olfr803	0	1	0.113855	0	0	No change
NM_146555	Olfr805	0	1	0.113855	0	0	No change
NM_146556	Olfr798	0	1	0.113855	0	0	No change
NM_146557	Olfr869	0	1	0.113855	0	0	No change
NM_146558	Olfr866	0	1	0.113855	0	0	No change
NM_146559	Olfr868	0	1	0.113855	0	0	No change
NM_146560	Olfr872	0	1	-2.47111	0.310022	0	No change
NM_146561	Olfr873	0	1	-2.20807	0.290387	0	No change
NM_146562	Olfr862	0	1	0.113855	0	0	No change
NM_146563	Olfr18	0	1	-1.47111	0.120576	0	No change
NM_146564	Olfr836	0	1	-0.886145	0.0729769	0	No change
NM_146565	Olfr837	0	1	0.113855	0	0	No change
NM_146566	Olfr830	0	1	0.113855	0	0	No change
NM_146567	Olfr843	0	1	0.113855	0	0	No change
NM_146568	Olfr1012	0	1	0.113855	0	0	No change
NM_146569	Olfr1014	0	1	0.113855	0	0	No change
NM_146570	Olfr1006	0	1	0.113855	0	0	No change
NM_146571	Olfr1015	0	1	0.113855	0	0	No change
NM_146572	Olfr1009	0	1	0.113855	0	0	No change
NM_146573	Olfr1002	0	1	0.113855	0	0	No change
NM_146575	Olfr1457	0	1	0.113855	0	0	No change
NM_146576	Olfr459	0	1	0.113855	0	0	No change
NM_146577	Olfr1043	0	1	0.113855	0	0	No change
NM_146578	Olfr1033	0	1	0.354863	0.80064	0.978183	No change
NM_146579	Olfr1032	0	1	0.113855	0	0	No change
NM_146580	Olfr1020	0	1	0.113855	0	0	No change
NM_146582	Olfr1046	0	1	0.113855	0	0	No change
NM_146583	Olfr52	0	1	0.113855	0	0	No change
NM_146584	Olfr1026	0	1	0.113855	0	0	No change
NM_146586	Olfr1018	0	1	0.113855	0	0	No change
NM_146587	Olfr1023	0	1	0.113855	0	0	No change
NM_146588	Olfr1030	0	1	0.113855	0	0	No change
NM_146589	Olfr1022	0	1	0.113855	0	0	No change
NM_146590	Olfr1085	0	1	0.113855	0	0	No change
NM_146591	Olfr1101	0	1	0.113855	0	0	No change
NM_146592	Olfr1086	0	1	0.113855	0	0	No change
NM_146593	Olfr1111	0	1	0.113855	0	0	No change
NM_146594	Olfr1100	0	1	0.113855	0	0	No change
NM_146596	Olfr703	0	1	0.113855	0	0	No change
NM_146597	Olfr702	0	1	-2.88615	0.361907	0	No change
NM_146598	Olfr695	0	1	-0.886145	0.0580291	0	No change
NM_146599	Olfr697	0	1	-0.886145	0.0664375	0	No change
NM_146600	Olfr700	0	1	-0.886145	0.0732838	0	No change
NM_146601	Olfr710	0	1	0.113855	0	0	No change

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NM_146604	Olfr716	0	1	0.113855	0	0	No change
NM_146605	Olfr828	0	1	0.113855	0	0	No change
NM_146606	Olfr24	0	1	-2.20807	0.295936	0	No change
NM_146607	Olfr270	0	1	0.113855	0.148441	0.152909	No change
NM_146608	Olfr984	0	1	1.11385	0	0.0759693	No change
NM_146609	Olfr150	0	1	0.113855	0	0	No change
NM_146610	Olfr972	0	1	0.113855	0	0	No change
NM_146611	Olfr970	0	1	0.113855	0	0	No change
NM_146612	Olfr968	0	1	0.113855	0	0	No change
NM_146613	Olfr229	0	1	0.113855	0	0	No change
NM_146614	Olfr971	0	1	0.113855	0	0	No change
NM_146615	Olfr986	0	1	-0.471108	0.137191	0.0706604	No change
NM_146616	Olfr305	0	1	-0.886145	0.0725968	0	No change
NM_146617	Olfr307	0	1	-1.47111	0.147968	0	No change
NM_146618	Olfr297	0	1	0.113855	0	0	No change
NM_146619	Olfr303	0	1	-2.88615	0.508178	0	No change
NM_146620	Olfr292	0	1	0.113855	0	0	No change
NM_146621	Olfr308	0	1	-0.886145	0.0751812	0	No change
NM_146622	Olfr360	0	1	-2.6935	0.43832	0	No change
NM_146623	Olfr357	0	1	-0.886145	0.0751812	0	No change
NM_146624	Olfr356	0	1	0.113855	0	0	No change
NM_146625	Olfr355	0	1	0.113855	0	0	No change
NM_146627	Olfr350	0	1	0.113855	0	0	No change
NM_146628	Olfr344	0	1	0.113855	0	0	No change
NM_146629	Olfr121	0	1	0.113855	0	0	No change
NM_146630	Olfr123	0	1	-0.886145	0.0749386	0	No change
NM_146631	Olfr120	0	1	0.113855	0	0	No change
NM_146632	Olfr116	0	1	-0.886145	0.0721459	0	No change
NM_146633	Olfr1501	0	1	0.113855	0	0	No change
NM_146634	Olfr1504	0	1	-0.886145	0.0735158	0	No change
NM_146635	Olfr1489	0	1	0.113855	0	0	No change
NM_146636	Olfr1487	0	1	0.113855	0	0	No change
NM_146637	Olfr1141	0	1	0.113855	0	0	No change
NM_146638	Olfr1151	0	1	0.113855	0	0	No change
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NM_146641	Olfr1164	0	1	0.113855	0	0	No change
NM_146642	Olfr1140	0	1	0.113855	0	0	No change
NM_146643	Olfr1155	0	1	0.113855	0	0	No change
NM_146644	Olfr1163	0	1	0.113855	0	0	No change
NM_146645	Olfr1158	0	1	0.113855	0	0	No change
NM_146646	Olfr152	0	1	0.113855	0	0	No change
NM_146647	Olfr1154	0	1	-1.47111	0.149395	0	No change
NM_146648	Olfr1165-ps	0	1	0.113855	0	0	No change
NM_146649	Olfr1160	0	1	0.113855	0	0	No change
NM_146650	Olfr1166	0	1	0.113855	0	0	No change
NM_146651	Olfr418-ps1	0	1	0.113855	0	0	No change
NM_146652	Olfr13	0	1	-2.20807	0.298791	0	No change
NM_146653	Olfr435	0	1	0.113855	0	0	No change
NM_146654	Olfr237-ps1	0	1	-0.886145	0.0746977	0	No change
NM_146655	Olfr441	0	1	0.113855	0	0	No change
NM_146656	Olfr444	0	1	0.113855	0	0	No change
NM_146658	Olfr1131	0	1	0.113855	0	0	No change
NM_146659	Olfr1136	0	1	0.113855	0	0	No change
NM_146660	Olfr1135	0	1	0.113855	0	0	No change
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NM_146662	Olfr365	0	1	-2.20807	0.296882	0	No change
NM_146664	Olfr734	0	1	-3.05607	0.591872	0	No change
NM_146665	Olfr732	0	1	-2.6935	0.400534	0	No change
NM_146666	Olfr736	0	1	-0.886145	0.0742204	0	No change
NM_146667	Olfr740	0	1	-0.886145	0.0744583	0	No change
NM_146668	Olfr739	0	1	0.113855	0	0	No change
NM_146670	Olfr815	0	1	0.113855	0	0	No change
NM_146671	Olfr822	0	1	0.113855	0	0	No change
NM_146672	Olfr816	0	1	0.113855	0	0	No change
NM_146673	Olfr823	0	1	0.528892	0.147032	0.227187	No change
NM_146674	Olfr824	0	1	-0.886145	0.220547	0.0757289	No change
NM_146675	Olfr820	0	1	0.113855	0	0	No change
NM_146676	Olfr826	0	1	0.113855	0	0	No change
NM_146677	Olfr825	0	1	0.113855	0	0	No change
NM_146678	Olfr1428	0	1	0.113855	0	0	No change
NM_146679	Olfr1427	0	1	0.113855	0.0744583	0.0766998	No change
NM_146680	Olfr1423	0	1	0.113855	0	0	No change
NM_146681	Olfr1424	0	1	1.69882	0	0.152422	No change
NM_146682	Olfr76	0	1	0.113855	0	0	No change

NM_146683	Olfr1441	0	1	1.11385	0	0.0750167	No change
NM_146684	Olfr1440	0	1	0.113855	0		0 No change
NM_146685	Olfr1433	0	1	0.113855	0		0 No change
NM_146686	Olfr235	0	1	0.113855	0		0 No change
NM_146687	Olfr1436	0	1	0.113855	0		0 No change
NM_146688	Olfr262	0	1	-1.88615	0.222661		0 No change
NM_146689	Olfr1459	0	1	0.113855	0		0 No change
NM_146690	Olfr1472	0	1	0.113855	0		0 No change
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NM_146693	Olfr1462	0	1	0.113855	0		0 No change
NM_146694	Olfr1466	0	1	0.113855	0		0 No change
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NM_146696	Olfr1477	0	1	0.113855	0		0 No change
NM_146697	Olfr1442	0	1	0.113855	0		0 No change
NM_146698	Olfr1443	0	1	0.113855	0		0 No change
NM_146700	Olfr1453	0	1	0.113855	0		0 No change
NM_146701	Olfr1448	0	1	-0.886145	0.0737491		0 No change
NM_146702	Olfr1444	0	1	-2.88615	0.508178		0 No change
NM_146703	Olfr1447	0	1	0.113855	0		0 No change
NM_146704	Olfr1446	0	1	-1.6935	0.451087	0.0774444	No change
NM_146705	Olfr1451	0	1	0.113855	0		0 No change
NM_146706	Olfr401	0	1	0.113855	0		0 No change
NM_146707	Olfr410	0	1	0.113855	0		0 No change
NM_146708	Olfr402	0	1	-1.47111	0.147032		0 No change
NM_146709	Olfr411	0	1	-0.886145	0.0664375		0 No change
NM_146710	Olfr398	0	1	0.113855	0		0 No change
NM_146711	Olfr43	0	1	0.113855	0		0 No change
NM_146713	Olfr1342	0	1	0.113855	0		0 No change
NM_146714	Olfr248	0	1	0.113855	0		0 No change
NM_146715	Olfr419	0	1	0.113855	0		0 No change
NM_146716	Olfr432	0	1	0.113855	0		0 No change
NM_146717	Olfr433	0	1	1.11385	0	0.071505	No change
NM_146718	Olfr430	0	1	0.113855	0		0 No change
NM_146720	Olfr421	0	1	-1.88615	0.199123		0 No change
NM_146721	Olfr424	0	1	-0.886145	0.0735158		0 No change
NM_146722	Olfr429	0	1	0.113855	0		0 No change
NM_146723	Olfr513	0	1	0.113855	0		0 No change
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NM_146729	Olfr784	0	1	0.113855	0		0 No change
NM_146730	Olfr1095	0	1	0.113855	0		0 No change
NM_146731	Olfr599	0	1	0.113855	0		0 No change
NM_146732	Olfr488	0	1	0.113855	0		0 No change
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NM_146736	Olfr491	0	1	0.113855	0		0 No change
NM_146737	Olfr494	0	1	0.113855	0		0 No change
NM_146738	Olfr497	0	1	0.113855	0		0 No change
NM_146739	Olfr502	0	1	0.113855	0		0 No change
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NM_146742	Olfr1316	0	1	0.113855	0		0 No change
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NM_146744	Olfr1362	0	1	0.113855	0		0 No change
NM_146745	Olfr957	0	1	0.113855	0		0 No change
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NM_146747	Olfr146	0	1	0.113855	0		0 No change
NM_146748	Olfr661	0	1	0.113855	0		0 No change
NM_146749	Olfr875	0	1	-0.886145	0.0694153		0 No change
NM_146750	Olfr689	0	1	-0.886145	0.0723707		0 No change
NM_146751	Olfr648	0	1	-0.886145	0.0732838		0 No change
NM_146752	Olfr1106	0	1	0.113855	0		0 No change
NM_146753	Olfr1195	0	1	0.113855	0		0 No change
NM_146754	Olfr556	0	1	1.11385	0	0.0701769	No change
NM_146755	Olfr551	0	1	0.113855	0		0 No change
NM_146756	Olfr608	0	1	0.113855	0		0 No change
NM_146757	Olfr583	0	1	0.113855	0		0 No change
NM_146758	Olfr678	0	1	0.113855	0		0 No change
NM_146759	Olfr214	0	1	0.113855	0		0 No change
NM_146760	Olfr672	0	1	0.113855	0		0 No change
NM_146761	Olfr414	0	1	0.113855	0		0 No change
NM_146762	Olfr1013	0	1	0.113855	0		0 No change

NM_146763	Olfr1406	0	1	0.113855	0	0	No change
NM_146764	Olfr1408	0	1	0.113855	0	0	No change
NM_146766	Olfr1109	0	1	0.113855	0	0	No change
NM_146767	Olfr1104	0	1	0.113855	0	0	No change
NM_146768	Olfr1099	0	1	0.113855	0	0	No change
NM_146769	Olfr1110	0	1	0.113855	0	0	No change
NM_146770	Olfr259	0	1	0.113855	0	0	No change
NM_146771	Olfr1176	0	1	0.113855	0	0	No change
NM_146772	Olfr1189	0	1	0.113855	0	0	No change
NM_146773	Olfr508	0	1	0.113855	0	0	No change
NM_146774	Olfr472	0	1	-0.886145	0.0746977	0	No change
NM_146775	Olfr473	0	1	0.113855	0	0	No change
NM_146776	Olfr821	0	1	0.113855	0	0	No change
NM_146777	Olfr818	0	1	0.113855	0	0	No change
NM_146778	Olfr1208	0	1	0.113855	0	0	No change
NM_146779	Olfr196	0	1	0.113855	0	0	No change
NM_146780	Olfr715	0	1	0.113855	0	0	No change
NM_146781	Olfr922	0	1	-1.88615	0.184699	0	No change
NM_146782	Olfr921	0	1	0.113855	0	0	No change
NM_146783	Olfr26	0	1	0.113855	0	0	No change
NM_146784	Olfr916	0	1	0.113855	0	0	No change
NM_146785	Olfr915	0	1	0.113855	0	0	No change
NM_146786	Olfr914	0	1	0.113855	0	0	No change
NM_146787	Olfr920	0	1	0.492366	0.320019	0.439537	No change
NM_146788	Olfr1245	0	1	0.113855	0	0	No change
NM_146789	Olfr1230	0	1	0.113855	0	0	No change
NM_146790	Olfr1238	0	1	0.113855	0	0	No change
NM_146791	Olfr1248	0	1	0.113855	0	0	No change
NM_146792	Olfr1246	0	1	0.113855	0	0	No change
NM_146793	Olfr1271	0	1	0.113855	0	0	No change
NM_146794	Olfr1263	0	1	0.113855	0	0	No change
NM_146795	Olfr812	0	1	0.113855	0	0	No change
NM_146796	Olfr1499	0	1	0.113855	0	0	No change
NM_146797	Olfr1502	0	1	0.113855	0	0	No change
NM_146798	Olfr878	0	1	0.113855	0	0	No change
NM_146801	Olfr904	0	1	0.113855	0	0	No change
NM_146802	Olfr902	0	1	0.113855	0	0	No change
NM_146803	Olfr906	0	1	-0.886145	0.0744583	0	No change
NM_146804	Olfr905	0	1	0.113855	0	0	No change
NM_146805	Olfr907	0	1	0.113855	0	0	No change
NM_146806	Olfr143	0	1	0.113855	0	0	No change
NM_146807	Olfr136	0	1	0.113855	0	0	No change
NM_146808	Olfr1240	0	1	0.113855	0	0	No change
NM_146809	Olfr1426	0	1	1.43578	0.0416575	0.171646	No change
NM_146810	Olfr912	0	1	0.113855	0	0	No change
NM_146811	Olfr910	0	1	0.113855	0	0	No change
NM_146812	Olfr620	0	1	0.113855	0	0	No change
NM_146813	Olfr651	0	1	0.113855	0	0	No change
NM_146814	Olfr665	0	1	1.11385	0	0.07549	No change
NM_146815	Olfr926	0	1	-0.886145	0.0751812	0	No change
NM_146816	Olfr923	0	1	1.11385	0	0.06722	No change
NM_146817	Olfr1156	0	1	0.113855	0	0	No change
NM_146818	Olfr1218	0	1	0.113855	0	0	No change
NM_146819	Olfr466	0	1	-0.886145	0.0751812	0	No change
NM_146820	Olfr655	0	1	0.113855	0.0751812	0.0774444	No change
NM_146821	Olfr629	0	1	0.113855	0	0	No change
NM_146822	Olfr640	0	1	0.113855	0	0	No change
NM_146823	Olfr1184	0	1	0.113855	0	0	No change
NM_146824	Olfr273	0	1	-1.47111	0.146107	0	No change
NM_146825	Olfr39	0	1	-2.88615	0.444308	0	No change
NM_146826	Olfr969	0	1	0.113855	0	0	No change
NM_146827	Olfr983	0	1	0.113855	0	0	No change
NM_146828	Olfr975	0	1	-2.20807	0.298791	0	No change
NM_146829	Olfr27	0	1	-1.47111	0.134154	0	No change
NM_146830	Olfr44	0	1	0.113855	0	0	No change
NM_146831	Olfr133	0	1	0.113855	0	0	No change
NM_146832	Olfr134	0	1	0.113855	0	0	No change
NM_146833	Olfr103	0	1	0.113855	0	0	No change
NM_146834	Olfr101	0	1	1.11385	0	0.0774444	No change
NM_146835	Olfr109	0	1	0.113855	0	0	No change
NM_146836	Olfr1132	0	1	0.113855	0	0	No change
NM_146837	Olfr1126	0	1	0.113855	0	0	No change
NM_146838	Olfr1130	0	1	0.113855	0	0	No change
NM_146839	Olfr272	0	1	1.69882	0.145194	0.598258	No change
NM_146840	Olfr545	0	1	-2.47111	0.366419	0	No change
NM_146841	Olfr617	0	1	0.113855	0	0	No change

NM_146843	Olfr1097	0	1	0.113855	0	0	No change
NM_146844	Olfr1107	0	1	0.113855	0	0	No change
NM_146845	Olfr1098	0	1	0.113855	0	0	No change
NM_146846	Olfr1087	0	1	0.113855	0	0	No change
NM_146847	Olfr1090	0	1	0.113855	0	0	No change
NM_146848	Olfr1161	0	1	0.113855	0	0	No change
NM_146849	Olfr1157	0	1	0.113855	0	0	No change
NM_146851	Olfr295	0	1	0.113855	0	0	No change
NM_146852	Olfr1339	0	1	-0.886145	0.0735158	0	No change
NM_146853	Olfr1341	0	1	0.113855	0.0742204	0.0764547	No change
NM_146854	Olfr982	0	1	0.113855	0	0	No change
NM_146855	Olfr985	0	1	0.113855	0	0	No change
NM_146858	Olfr275	0	1	-2.47111	0.362984	0	No change
NM_146859	Olfr371	0	1	-3.20807	0.667983	0	No change
NM_146860	Olfr161	0	1	-3.05607	0.591872	0	No change
NM_146861	Olfr9	0	1	0.113855	0	0	No change
NM_146862	Olfr763	0	1	0.113855	0	0	No change
NM_146863	Olfr770	0	1	0.113855	0	0	No change
NM_146864	Olfr768	0	1	0.113855	0	0	No change
NM_146865	Olfr992	0	1	-0.886145	0.0749386	0	No change
NM_146866	Olfr1008	0	1	0.113855	0	0	No change
NM_146867	Olfr131	0	1	0.113855	0	0	No change
NM_146868	Olfr894	0	1	0.113855	0	0	No change
NM_146869	Olfr147	0	1	0.113855	0	0	No change
NM_146870	Olfr25	0	1	-3.20807	0.5873	0	No change
NM_146871	Olfr898	0	1	-0.886145	0.0732838	0	No change
NM_146872	Olfr908	0	1	0.113855	0	0	No change
NM_146873	Olfr911-ps1	0	1	0.113855	0	0	No change
NM_146874	Olfr900	0	1	-0.886145	0.0732838	0	No change
NM_146875	Olfr895	0	1	0.113855	0	0	No change
NM_146877	Olfr1395	0	1	0.113855	0	0	No change
NM_146878	Olfr30	0	1	-1.47111	0.130756	0	No change
NM_146879	Olfr330	0	1	-1.47111	0.128822	0	No change
NM_146881	Olfr1404	0	1	0.113855	0	0	No change
NM_146882	Olfr874	0	1	-0.886145	0.0746977	0	No change
NM_146883	Olfr876	0	1	0.113855	0	0	No change
NM_146884	Olfr1299	0	1	0.113855	0	0	No change
NM_146885	Olfr1294	0	1	0.113855	0	0	No change
NM_146886	Olfr1298	0	1	-0.886145	0.0742204	0	No change
NM_146887	Olfr1301	0	1	0.113855	0	0	No change
NM_146888	Olfr1297	0	1	0.113855	0	0	No change
NM_146889	Olfr1302	0	1	0.113855	0	0	No change
NM_146891	Olfr1225	0	1	-0.886145	0.0678607	0	No change
NM_146892	Olfr1223	0	1	0.113855	0	0	No change
NM_146893	Olfr1216	0	1	0.113855	0	0	No change
NM_146895	Olfr1201	0	1	0.113855	0	0	No change
NM_146896	Olfr1205	0	1	0.113855	0	0	No change
NM_146897	Olfr1214	0	1	0.113855	0	0	No change
NM_146898	Olfr1213	0	1	0.113855	0	0	No change
NM_146899	Olfr1219	0	1	0.113855	0	0	No change
NM_146900	Olfr1220	0	1	0.113855	0	0	No change
NM_146901	Olfr1217	0	1	0.113855	0	0	No change
NM_146902	Olfr1221	0	1	0.113855	0	0	No change
NM_146903	Olfr871	0	1	0.113855	0	0	No change
NM_146904	Olfr870	0	1	0.113855	0	0	No change
NM_146905	Olfr851	0	1	0.113855	0	0	No change
NM_146906	Olfr853	0	1	0.113855	0	0	No change
NM_146907	Olfr1282	0	1	-1.47111	0.151836	0	No change
NM_146909	Olfr51	0	1	0.113855	0	0	No change
NM_146910	Olfr1378	0	1	-0.886145	0.0735158	0	No change
NM_146911	Olfr1377	0	1	0.113855	0	0	No change
NM_146912	Olfr211	0	1	0.113855	0	0	No change
NM_146913	Olfr1348	0	1	1.11385	0	0.0764547	No change
NM_146914	Olfr5	0	1	-0.301183	0.222661	0.152909	No change
NM_146915	Olfr1336	0	1	-1.47111	0.147498	0	No change
NM_146916	Olfr1346	0	1	-0.886145	0.073984	0	No change
NM_146917	Olfr1179	0	1	0.113855	0	0	No change
NM_146918	Olfr1180	0	1	0.113855	0	0	No change
NM_146919	Olfr1188	0	1	0.113855	0	0	No change
NM_146920	Olfr267	0	1	-0.538222	0.73984	0.457267	No change
NM_146921	Olfr1	0	1	0.113855	0	0	No change
NM_146923	Olfr20	0	1	-2.6935	0.393745	0	No change
NM_146924	Olfr476	0	1	0.113855	0	0	No change
NM_146925	Olfr481	0	1	0.113855	0	0	No change
NM_146926	Olfr477	0	1	0.113855	0	0	No change
NM_146927	Olfr799	0	1	0.113855	0	0	No change

NM_146928	Olfr808	0	1	0.113855	0	0	No change
NM_146929	Olfr807	0	1	0.113855	0	0	No change
NM_146930	Olfr791	0	1	0.113855	0	0	No change
NM_146931	Olfr796	0	1	0.113855	0	0	No change
NM_146932	Olfr802	0	1	0.113855	0	0	No change
NM_146933	Olfr790	0	1	-1.88615	0.215768	0	No change
NM_146934	Olfr46	0	1	-1.88615	0.218473	0	No change
NM_146935	Olfr167	0	1	0.113855	0	0	No change
NM_146936	Olfr1417	0	1	0.113855	0	0	No change
NM_146937	Olfr63	0	1	0.113855	0	0	No change
NM_146938	Olfr346	0	1	0.113855	0	0	No change
NM_146939	Olfr354	0	1	0.113855	0	0	No change
NM_146940	Olfr352	0	1	0.113855	0	0	No change
NM_146941	Olfr353	0	1	0.113855	0	0	No change
NM_146942	Olfr351	0	1	0.113855	0	0	No change
NM_146943	Olfr347	0	1	0.113855	0	0	No change
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NM_146945	Olfr345	0	1	0.113855	0	0	No change
NM_146946	Olfr50	0	1	0.113855	0	0	No change
NM_146947	Olfr338	0	1	0.113855	0	0	No change
NM_146948	Olfr342	0	1	0.113855	0	0	No change
NM_146949	Olfr339	0	1	0.113855	0	0	No change
NM_146950	Olfr341	0	1	0.113855	0	0	No change
NM_146951	Olfr340	0	1	0.113855	0	0	No change
NM_146952	Olfr522	0	1	0.113855	0	0	No change
NM_146953	Olfr531	0	1	0.113855	0	0	No change
NM_146954	Olfr535	0	1	1.11385	0	0.0764547	No change
NM_146955	Olfr60	0	1	-0.886145	0.0744583	0	No change
NM_146956	Olfr525	0	1	0.113855	0	0	No change
NM_146957	Olfr170	0	1	0.113855	0	0	No change
NM_146958	Olfr171	0	1	0.113855	0	0	No change
NM_146959	Olfr631	0	1	-1.47111	0.0936104	0	No change
NM_146960	Olfr53	0	1	0.113855	0	0	No change
NM_146961	Olfr539	0	1	0.113855	0	0	No change
NM_146962	Olfr541	0	1	0.113855	0	0	No change
NM_146963	Olfr45	0	1	-0.886145	0.0744583	0	No change
NM_146964	Olfr61	0	1	0.113855	0	0	No change
NM_146965	Olfr1250	0	1	0.113855	0	0	No change
NM_146966	Olfr1247	0	1	0.113855	0	0	No change
NM_146967	Olfr1226	0	1	0.113855	0	0	No change
NM_146968	Olfr1242	0	1	0.113855	0	0	No change
NM_146969	Olfr1243	0	1	0.113855	0	0	No change
NM_146970	Olfr1239	0	1	0.113855	0	0	No change
NM_146971	Olfr1228	0	1	0.113855	0	0	No change
NM_146972	Olfr1233	0	1	-0.886145	0.0759182	0	No change
NM_146973	Olfr1234	0	1	0.113855	0	0	No change
NM_146974	Olfr1262	0	1	0.113855	0	0	No change
NM_146975	Olfr1273-ps	0	1	-0.886145	0.0754253	0	No change
NM_146977	Olfr1255	0	1	0.113855	0	0	No change
NM_146978	Olfr1258	0	1	1.11385	0	0.0766998	No change
NM_146980	Olfr1272	0	1	-1.47111	0.150362	0	No change
NM_146981	Olfr1260	0	1	0.113855	0	0	No change
NM_146982	Olfr1257	0	1	0.113855	0	0	No change
NM_146983	Olfr1256	0	1	0.113855	0	0	No change
NM_146984	Olfr142	0	1	0.113855	0	0	No change
NM_146985	Olfr1270	0	1	0.113855	0	0	No change
NM_146986	Olfr38	0	1	0.113855	0	0	No change
NM_146987	Olfr457	0	1	1.69882	0	0.152422	No change
NM_146988	Olfr447	0	1	0.113855	0	0	No change
NM_146989	Olfr1496	0	1	-0.886145	0.0653167	0	No change
NM_146990	Olfr1494	0	1	0.113855	0	0	No change
NM_146991	Olfr206	0	1	-1.47111	0.151342	0	No change
NM_146992	Olfr204	0	1	0.113855	0	0	No change
NM_146993	Olfr176	0	1	0.113855	0.0746177	0.076864	No change
NM_146994	Olfr201	0	1	-1.47111	0.150362	0	No change
NM_146995	Olfr202	0	1	0.113855	0	0	No change
NM_146996	Olfr177	0	1	0.113855	0.0749386	0.0771946	No change
NM_146997	Olfr178	0	1	-0.886145	0.0725968	0	No change
NM_146998	Olfr195	0	1	-2.20807	0.300725	0	No change
NM_146999	Olfr181	0	1	-2.88615	0.350719	0	No change
NM_147000	Olfr173	0	1	-0.886145	0.0598737	0	No change
NM_147001	Olfr172	0	1	-2.20807	0.576504	0.0659843	No change
NM_147002	Olfr175-ps1	0	1	1.69882	0	0.139535	No change
NM_147003	Olfr139	0	1	0.113855	0	0	No change
NM_147004	Olfr399	0	1	0.113855	0	0	No change
NM_147005	Olfr395	0	1	0.113855	0	0	No change

NM_147006	Olfr392	0	1	0.113855	0	0	No change
NM_147007	Olfr394	0	1	0.113855	0	0	No change
NM_147008	Olfr393	0	1	0.113855	0	0	No change
NM_147009	Olfr389	0	1	-1.47111	0.0999182	0	No change
NM_147010	Olfr1052	0	1	0.113855	0	0	No change
NM_147011	Olfr1044	0	1	0.113855	0	0	No change
NM_147012	Olfr1047	0	1	0.113855	0	0	No change
NM_147013	Olfr1038-ps	0	1	0.113855	0	0	No change
NM_147014	Olfr1048	0	1	0.113855	0	0	No change
NM_147015	Olfr1019	0	1	0.113855	0	0	No change
NM_147016	Olfr1049	0	1	0.113855	0	0	No change
NM_147017	Olfr1045	0	1	0.113855	0	0	No change
NM_147018	Olfr1056	0	1	0.113855	0	0	No change
NM_147019	Olfr1054	0	1	-0.886145	0.0742204	0	No change
NM_147021	Olfr1055	0	1	0.113855	0	0	No change
NM_147022	Olfr381	0	1	0.113855	0	0	No change
NM_147023	Olfr385	0	1	0.113855	0	0	No change
NM_147024	Olfr378	0	1	0.113855	0	0	No change
NM_147025	Olfr380	0	1	0.113855	0	0	No change
NM_147026	Olfr532	0	1	0.113855	0	0	No change
NM_147027	Olfr31	0	1	-3.05607	0.584427	0	No change
NM_147028	Olfr1124	0	1	0.113855	0	0	No change
NM_147029	Olfr1120	0	1	0.113855	0	0	No change
NM_147030	Olfr1134	0	1	-0.886145	0.0619493	0	No change
NM_147031	Olfr1122	0	1	-0.886145	0.0710428	0	No change
NM_147032	Olfr705	0	1	0.113855	0	0	No change
NM_147033	Olfr714	0	1	0.113855	0	0	No change
NM_147034	Olfr713	0	1	0.113855	0	0	No change
NM_147035	Olfr711	0	1	0.113855	0	0	No change
NM_147036	Olfr283	0	1	0.113855	0	0	No change
NM_147037	Olfr1413	0	1	-1.88615	0.193234	0	No change
NM_147038	Olfr1416	0	1	0.113855	0	0	No change
NM_147039	Olfr1414	0	1	1.81429	0.175844	0.724551	No change
NM_147040	Olfr1351	0	1	-1.88615	0.508178	0.0747823	No change
NM_147041	Olfr57	0	1	-2.6935	0.387183	0	No change
NM_147042	Olfr1353	0	1	-1.47111	0.110099	0	No change
NM_147043	Olfr669	0	1	2.43578	0	0.30101	No change
NM_147044	Olfr679	0	1	-0.886145	0.0735158	0	No change
NM_147045	Olfr683	0	1	0.113855	0	0	No change
NM_147046	Olfr600	0	1	0.113855	0	0	No change
NM_147047	Olfr618	0	1	0.113855	0	0	No change
NM_147048	Olfr652	0	1	-1.47111	0.131372	0	No change
NM_147049	Olfr658	0	1	-0.301183	0.071799	0.049307	No change
NM_147050	Olfr659	0	1	0.113855	0	0	No change
NM_147051	Olfr362	0	1	-1.47111	0.146107	0	No change
NM_147052	Olfr589	0	1	0.113855	0	0	No change
NM_147053	Olfr582	0	1	0.113855	0	0	No change
NM_147054	Olfr584	0	1	0.113855	0	0	No change
NM_147055	Olfr649	0	1	0.113855	0	0	No change
NM_147056	Olfr646	0	1	0.113855	0	0	No change
NM_147059	Olfr668	0	1	0.698817	0.0728244	0.150033	No change
NM_147060	Olfr667	0	1	1.11385	0	0.0731814	No change
NM_147061	Olfr691	0	1	-1.47111	0.359613	0.0740877	No change
NM_147062	Olfr124	0	1	0.113855	0	0	No change
NM_147063	Olfr520	0	1	0.113855	0	0	No change
NM_147064	Olfr449	0	1	0.113855	0	0	No change
NM_147065	Olfr1390	0	1	0.113855	0	0	No change
NM_147066	Olfr1389	0	1	-1.47111	0.129903	0	No change
NM_147067	Olfr829	0	1	0.113855	0	0	No change
NM_147068	Olfr166	0	1	0.113855	0	0	No change
NM_147069	Olfr686	0	1	0.113855	0	0	No change
NM_147070	Olfr603	0	1	0.113855	0	0	No change
NM_147071	Olfr1352	0	1	-1.88615	0.178091	0	No change
NM_147072	Olfr641	0	1	0.113855	0	0	No change
NM_147073	Olfr33	0	1	0.113855	0	0	No change
NM_147074	Olfr653	0	1	1.69882	0	0.137268	No change
NM_147075	Olfr656	0	1	-0.886145	0.211191	0.0725161	No change
NM_147076	Olfr619	0	1	0.113855	0	0	No change
NM_147077	Olfr643	0	1	0.113855	0	0	No change
NM_147078	Olfr1062	0	1	0.113855	0	0	No change
NM_147079	Olfr547	0	1	0.113855	0	0	No change
NM_147080	Olfr615	0	1	0.113855	0	0	No change
NM_147081	Olfr610	0	1	0.113855	0	0	No change
NM_147082	Olfr609	0	1	0.113855	0	0	No change
NM_147083	Olfr622	0	1	0.113855	0	0	No change
NM_147084	Olfr639	0	1	0.113855	0	0	No change

NM_147085	Olfr571	0	1	0.113855	0	0	No change
NM_147087	Olfr585	0	1	0.113855	0	0	No change
NM_147088	Olfr569	0	1	0.113855	0	0	No change
NM_147089	Olfr572	0	1	0.113855	0	0	No change
NM_147091	Olfr568	0	1	-0.886145	0.073984	0	No change
NM_147092	Olfr561	0	1	0.113855	0	0	No change
NM_147093	Olfr558	0	1	0.113855	0.190744	0.196486	No change
NM_147094	Olfr606	0	1	0.113855	0	0	No change
NM_147095	Olfr676	0	1	0.113855	0	0	No change
NM_147096	Olfr666	0	1	-0.248715	0.582595	0.4501	No change
NM_147097	Olfr628	0	1	0.113855	0	0	No change
NM_147098	Olfr630	0	1	0.113855	0	0	No change
NM_147099	Olfr616	0	1	0.113855	0	0	No change
NM_147100	Olfr613	0	1	-1.05607	0.108535	0.0419258	No change
NM_147101	Olfr549	0	1	0.113855	0	0	No change
NM_147102	Olfr552	0	1	0.113855	0	0	No change
NM_147103	Olfr555	0	1	0.113855	0	0	No change
NM_147104	Olfr550	0	1	0.113855	0	0	No change
NM_147105	Olfr978	0	1	-1.47111	0.148917	0	No change
NM_147106	Olfr980	0	1	-1.88615	0.201814	0	No change
NM_147107	Olfr974	0	1	-0.886145	0.0746977	0	No change
NM_147108	Olfr979	0	1	-3.05607	0.533534	0	No change
NM_147109	Olfr577	0	1	0.113855	0	0	No change
NM_147110	Olfr570	0	1	0.113855	0	0	No change
NM_147111	Olfr586	0	1	0.113855	0	0	No change
NM_147112	Olfr559	0	1	0.113855	0	0	No change
NM_147113	Olfr560	0	1	1.69882	0	0.151939	No change
NM_147114	Olfr575	0	1	0.113855	0	0	No change
NM_147115	Olfr578	0	1	0.113855	0	0	No change
NM_147118	Olfr635	0	1	-1.88615	0.216438	0	No change
NM_147119	Olfr632	0	1	-0.886145	0.0730534	0	No change
NM_147120	Olfr638	0	1	-0.886145	0.0721459	0	No change
NM_147121	Olfr644	0	1	0.113855	0	0	No change
NM_147122	Olfr623	0	1	0.113855	0	0	No change
NM_147221	Glis1	0	1	-0.175652	0.239989	0.197771	No change
NM_147222	Rdh19	0	1	-0.886145	0.110682	0.0380047	No change
NM_147776	Vwa1	0	1	0.121717	4.03953	4.184	No change
NM_147779	Sftpb	0	1	0.113855	0.0372093	0.0383294	No change
NM_148413	Myo3a	0	1	-1.88615	0.0959958	0.0141265	No change
NM_148924	Zfp263	0	1	-0.16093	15.3488	13.065	No change
NM_148927	Plekha4	0	1	-0.156234	2.12223	1.80827	No change
NM_148929	Slc9a8	0	1	-0.171206	6.10393	5.15749	No change
NM_148930	Rbm5	0	1	-0.0159505	40.9082	38.5118	No change
NM_148934	Gm16517	0	1	0.391389	4.11448	5.15121	No change
NM_148935	Foxn4	0	1	0.113855	0	0	No change
NM_148944	Chrb4	0	1	-1.88615	0.0599767	0	No change
NM_148949	Tdpoz1	0	1	0.113855	0	0	No change
NM_148951	Gipc3	0	1	-0.564217	0.476417	0.280433	No change
NM_148952	E2f4	0	1	-0.186269	6.8539	5.72743	No change
NM_148953	Asb16	0	1	0.113855	0	0	No change
NM_152229	Nr2e1	0	1	-0.886145	0.0215567	0	No change
NM_152804	Plk2	0	1	0.301788	2.83649	3.33196	No change
NM_152823	Unc5cl	0	1	0.265858	0.196595	0.227827	No change
NM_152824	Rbm17	0	1	0.105935	24.8514	25.4591	No change
NM_152944	Mmp21	0	1	0.698817	0.0375097	0.0772777	No change
NM_153054	Slc18a1	0	1	0.508714	1.18465	1.61173	No change
NM_153057	Nomo1	0	1	-0.209154	5.44911	4.48378	No change
NM_153065	Ddx27	0	1	-0.0453438	3.57607	3.29596	No change
NM_153067	Mrgpra3	0	1	0.113855	0.0538169	0.055437	No change
NM_153068	Ehd2	0	1	0.390065	2.46136	3.07541	No change
NM_153069	Leap2	0	1	0.961852	0.560909	1.15559	No change
NM_153071	Gprc6a	0	1	-1.88615	0.0732069	0	No change
NM_153074	Lrrc25	0	1	-0.709267	1.20443	0.676741	No change
NM_153076	Crygn	0	1	0.528892	1.26924	1.78289	No change
NM_153077	Il1f10	0	1	0.113855	0	0	No change
NM_153079	Nmur2	0	1	-1.47111	0.0425476	0	No change
NM_153086	Gjd4	0	1	-1.47111	0.052381	0	No change
NM_153087	Hrh4	0	1	-3.20807	0.408091	0	No change
NM_153094	Klr1f	0	1	-0.471108	0.0816077	0.0420322	No change
NM_153095	Mrgpra1	0	1	0.113855	0	0	No change
NM_153096	Zfp353	0	1	-0.964148	0.245638	0.112459	No change
NM_153097	Trim60	0	1	-1.47111	0.0383666	0	No change
NM_153101	Mrgpra2b	0	1	-2.20807	0.497807	0.056977	No change
NM_153102	Zfp352	0	1	0.113855	0	0	No change
NM_153108	Defb8	0	1	1.11385	0	0.251017	No change
NM_153111	Fev	0	1	-1.47111	0.0942433	0	No change

NM_153112	Cadm4	0	1	0.3065	0.646802	0.766215	No change
NM_153114	Otos	0	1	-1.47111	0.197991	0	No change
NM_153121	Lysmd1	0	1	-0.155664	6.44391	5.50168	No change
NM_153128	Klhl12	0	1	0.0289659	13.7162	13.3204	No change
NM_153133	Rdh9	0	1	0.320306	0.309976	0.372525	No change
NM_153135	Unc5d	0	1	-1.79304	0.105824	0.0233593	No change
NM_153137	Traf3ip3	0	1	0.503801	0.920039	1.25236	No change
NM_153139	Slc36a1	0	1	-0.382571	1.03073	0.748673	No change
NM_153142	Slc35e4	0	1	0.138102	1.32141	1.38466	No change
NM_153151	Acat3	0	1	-0.0680533	151.252	137.344	No change
NM_153154	Tcfap2d	0	1	1.11385	0	0.0410939	No change
NM_153155	C1ql3	0	1	1.22933	0.110169	0.272365	No change
NM_153156	Stoml3	0	1	0.113855	0.0806631	0.0830914	No change
NM_153157	Olfm3	0	1	-1.47111	0.0354852	0	No change
NM_153159	Zc3h12a	0	1	0.289705	1.31684	1.53564	No change
NM_153166	Cpne5	0	1	0.233997	6.04985	6.77459	No change
NM_153169	Pnma3	0	1	1.11385	0.0818713	0.189756	No change
NM_153170	Slc36a2	0	1	0.113855	0.143342	0.147657	No change
NM_153171	Rgs13	0	1	0.698817	0.0465551	0.0959131	No change
NM_153175	Gimap6	0	1	0.186367	4.15045	4.49807	No change
NM_153176	Spg7	0	1	-0.112847	12.1513	10.6929	No change
NM_153178	Eif2c2	0	1	0.0229884	4.82496	4.66628	No change
NM_153195	Fbxo7	0	1	0.0192918	12.1944	11.7621	No change
NM_153196	Rbks	0	1	-0.146909	8.56713	7.3542	No change
NM_153389	Atp10d	0	1	-0.310643	1.7594	1.34735	No change
NM_153402	Eif2c3	0	1	0.070969	4.3541	4.35353	No change
NM_153408	Neur13	0	1	0.313164	0.701516	0.833809	No change
NM_153419	Grwd1	0	1	-0.443835	4.76345	3.32156	No change
NM_153423	Wasf2	0	1	-0.201868	4.92692	4.07424	No change
NM_153502	Ankrd23	0	1	-0.350813	2.42534	1.80029	No change
NM_153503	Rnf113a1	0	1	0.814295	0.930894	1.5982	No change
NM_153504	Rnf183	0	1	0.187855	0.893499	0.97153	No change
NM_153506	Clec2e	0	1	1.43578	0.0306882	0.126448	No change
NM_153507	Cpne2	0	1	0.113855	0.18165	0.187118	No change
NM_153509	AF529169	0	1	0.599282	0.0656706	0.101471	No change
NM_153510	Pilra	0	1	-0.371572	1.48111	1.08186	No change
NM_153511	Il1f9	0	1	0.85082	0.0846302	0.174356	No change
NM_153513	BC028528	0	1	0.265858	2.65051	3.05152	No change
NM_153520	Opalin	0	1	0.113855	0	0	No change
NM_153524	Mrgpra4	0	1	0.113855	0	0	No change
NM_153525	Tmem41b	0	1	0.00586176	13.8654	13.2513	No change
NM_153529	Nrn1	0	1	-1.1399	1.31084	0.54012	No change
NM_153537	Phldb1	0	1	0.261197	1.17496	1.34189	No change
NM_153540	C85492	0	1	0.327562	3.47141	4.15169	No change
NM_153541	Zbtb8b	0	1	0.180969	1.31416	1.41923	No change
NM_153542	Lrrc20	0	1	-0.0594768	2.79197	2.54733	No change
NM_153551	Dennd1c	0	1	0.539161	0.939929	1.30995	No change
NM_153553	Npas4	0	1	0.528892	0.0425346	0.0657226	No change
NM_153562	Rrnad1	0	1	0.0205986	16.0095	15.4576	No change
NM_153564	Gbp5	0	1	-0.388646	0.369112	0.261404	No change
NM_153565	Pcsk9	0	1	-0.264657	0.238131	0.183975	No change
NM_153566	Yrdc	0	1	0.249738	7.22044	8.17696	No change
NM_153570	Noc4l	0	1	-0.199085	6.80181	5.63343	No change
NM_153574	Fam13a	0	1	0.329584	1.49354	1.78934	No change
NM_153576	Cxcl17	0	1	-2.6935	0.550207	0	No change
NM_153577	Al428936	0	1	-0.400718	0.463247	0.318128	No change
NM_153578	Nipa1	0	1	0.534993	2.1444	2.97066	No change
NM_153581	Gpm6a	0	1	-0.388646	0.334159	0.23665	No change
NM_153587	Rps6ka5	0	1	-0.220881	3.11609	2.54185	No change
NM_153590	Klre1	0	1	0.113855	0.076334	0.078632	No change
NM_153596	Tmem17	0	1	0.0289659	1.72961	1.67687	No change
NM_153597	Trpt1	0	1	0.3065	2.49774	2.94945	No change
NM_153744	Prkag3	0	1	0.765932	0.147655	0.253499	No change
NM_153749	Mill1	0	1	-0.248715	0.224003	0.17306	No change
NM_153760	Mill2	0	1	0.698817	1.23178	1.93669	No change
NM_153762	Rnf26	0	1	-0.0207947	6.16833	5.78501	No change
NM_153774	Ipo9	0	1	0.137493	10.1365	10.6144	No change
NM_153776	Tmem121	0	1	0.528892	0.0871162	0.134608	No change
NM_153784	Ccdc64b	0	1	0.376889	0.688952	0.859101	No change
NM_153786	Vgll2	0	1	-0.471108	0.237698	0.146912	No change
NM_153790	Scarf2	0	1	-0.6935	0.865358	0.500058	No change
NM_153793	Rel12	0	1	-0.471108	1.26212	0.853203	No change
NM_153795	Fermt3	0	1	0.29941	1.34698	1.58179	No change
NM_153799	Edc3	0	1	0.298561	4.25415	4.98369	No change
NM_153800	Arhgap22	0	1	-0.115627	0.885245	0.773729	No change
NM_153801	Tecrl	0	1	0.113855	0	0	No change

NM_153806	Dnttip2	0	1	-0.0966439	17.4885	15.5652	No change
NM_153807	Acsf2	0	1	0.0549611	1.11273	1.09944	No change
NM_153820	Arhgap15	0	1	0.0680511	0.815276	0.812728	No change
NM_170593	Disp2	0	1	1.3065	0.06308	0.162448	No change
NM_170684	Cpne7	0	1	0.113855	0.724459	0.746268	No change
NM_170756	Spata2	0	1	0.122417	2.91259	3.01824	No change
NM_170759	Zfp628	0	1	-0.341825	0.929503	0.692648	No change
NM_170760	U2af1l4	0	1	0.373918	6.45305	7.97677	No change
NM_170778	Dpyd	0	1	0.146769	2.02623	2.13577	No change
NM_170786	Cntf	0	1	-0.313566	2.19779	1.66817	No change
NM_171826	Cldnd1	0	1	-0.22467	10.6335	8.65514	No change
NM_172015	lars	0	1	-0.156066	3.97928	3.39684	No change
NM_172050	Cd300e	0	1	-1.47111	0.0715166	0	No change
NM_172054	Txndc9	0	1	-0.133825	11.0393	9.57525	No change
NM_172132	Kdm4b	0	1	0.199798	5.89593	6.44717	No change
NM_172133	Adap2	0	1	0.3065	0.872798	1.03393	No change
NM_172142	Nfkbid	0	1	0.751285	0.277385	0.46432	No change
NM_172143	Ofcc1	0	1	-0.886145	0.0247489	0	No change
NM_172145	Fam176b	0	1	0.580423	2.76113	3.95035	No change
NM_172148	B9d2	0	1	0.140822	3.54949	3.72666	No change
NM_172150	Ift52	0	1	0.173051	12.5014	13.4186	No change
NM_172151	Zdhhc8	0	1	0.147407	3.6364	3.83436	No change
NM_172152	Slc24a4	0	1	-0.623111	0.133256	0.0686338	No change
NM_172155	Pr13d2	0	1	0.113855	0	0	No change
NM_172156	Pr13d3	0	1	0.113855	0	0	No change
NM_172162	Hinfp	0	1	0.163243	6.63742	7.07654	No change
NM_172203	Nox1	0	1	0.113855	0.0823794	0.0848593	No change
NM_172252	Mrpl21	0	1	0.476425	1.89688	2.53295	No change
NM_172259	Myl6b	0	1	-0.574201	3.87183	2.44901	No change
NM_172260	Cep68	0	1	0.228222	5.78118	6.44775	No change
NM_172261	Ppp1r9b	0	1	-0.0026592	5.58509	5.30557	No change
NM_172267	Phyhd1	0	1	0.624817	2.04056	3.01824	No change
NM_172269	Vps18	0	1	-0.0438847	4.79633	4.42717	No change
NM_172276	Sfswap	0	1	0.12535	5.25387	5.45551	No change
NM_172277	Snx8	0	1	0.136755	3.30855	3.46312	No change
NM_172279	Mark4	0	1	-0.248715	2.4681	1.97036	No change
NM_172282	Tmco3	0	1	0.031819	3.04417	2.9616	No change
NM_172296	Dmrta2	0	1	-1.62311	0.212839	0.0487214	No change
NM_172306	Cyp4a12b	0	1	-1.47111	0.145497	0.0299754	No change
NM_172309	Arntl2	0	1	-0.0381483	0.360481	0.330073	No change
NM_172338	Dnajc16	0	1	-0.0431543	7.40922	6.84335	No change
NM_172391	Ahsa2	0	1	-0.0778266	20.6526	18.625	No change
NM_172399	A930038C07Rik	0	1	-0.208073	0.0595157	0.0459806	No change
NM_172403	2810021J22Rik	0	1	0.166535	3.43336	3.66879	No change
NM_172409	Fmnl2	0	1	0.21416	1.477	1.63189	No change
NM_172410	Nup93	0	1	-0.0776263	4.18919	3.77589	No change
NM_172417	2310042D19Rik	0	1	-0.251795	1.19722	0.952978	No change
NM_172418	Mamstr	0	1	0.544489	0.703646	0.988403	No change
NM_172419	9030612E09Rik	0	1	0.113855	0.0374895	0.0386181	No change
NM_172421	Asxl2	0	1	-0.0964565	9.50001	8.45743	No change
NM_172435	P2ry10	0	1	1.28378	0.172568	0.431711	No change
NM_172437	Pus7l	0	1	-0.244599	1.19907	0.957885	No change
NM_172439	Inpp5j	0	1	-1.00162	0.501677	0.227383	No change
NM_172443	Tbc1d16	0	1	0.28378	1.42617	1.65403	No change
NM_172449	Bzrap1	0	1	-0.118806	0.85103	0.744681	No change
NM_172453	Pif1	0	1	-1.76061	0.189383	0.0390168	No change
NM_172454	Panx3	0	1	-2.6935	0.166067	0	No change
NM_172455	Tmprss7	0	1	-0.886145	0.404408	0.194405	No change
NM_172457	Mobkl2a	0	1	-0.146146	7.47744	6.42783	No change
NM_172462	Zfp11	0	1	-0.0466099	1.33477	1.22829	No change
NM_172465	Zdhhc9	0	1	0.356425	1.62888	1.98953	No change
NM_172466	Adamts18	0	1	1.11385	0	0.014787	No change
NM_172467	Zc3hav1l	0	1	0.34832	0.532984	0.647854	No change
NM_172469	Clic6	0	1	-0.0925961	2.21573	1.97555	No change
NM_172473	Hace1	0	1	-0.0426497	1.95177	1.80189	No change
NM_172477	Dennd2a	0	1	-0.154962	1.55572	1.32736	No change
NM_172481	Nlrp4b	0	1	0.113855	0	0	No change
NM_172486	Zfp677	0	1	-0.0370871	3.58995	3.32822	No change
NM_172487	Prrt3	0	1	-0.538222	0.210935	0.130371	No change
NM_172493	Diap2	0	1	0.0812869	1.84119	1.8541	No change
NM_172495	Ncoa7	0	1	0.00210645	4.38054	4.17504	No change
NM_172499	Mfsd9	0	1	0.0878596	3.69249	3.73532	No change
NM_172506	Boc	0	1	0.253741	4.31253	4.89631	No change
NM_172508	Dse	0	1	0.0447305	2.80421	2.7527	No change
NM_172511	Abhd10	0	1	-0.159164	5.66849	4.82657	No change
NM_172514	Tmem71	0	1	-0.471108	0.261557	0.171456	No change

NM_172518	Fbxo42	0	1	-0.238967	3.45818	2.78682	No change
NM_172520	Arhgef19	0	1	0.988324	0.225676	0.443806	No change
NM_172523	Slc18a2	0	1	0.224279	1.59434	1.77448	No change
NM_172527	Nudt15	0	1	0.0604156	1.45194	1.44025	No change
NM_172530	She	0	1	0.342124	0.412456	0.49985	No change
NM_172534	4932411E22Rik	0	1	-0.623111	1.54292	0.942846	No change
NM_172537	Sema6d	0	1	0.248784	0.551717	0.625159	No change
NM_172539	Astl	0	1	0.113855	0	0	No change
NM_172543	Fam117a	0	1	0.0883197	5.11342	5.1744	No change
NM_172546	Cnksr3	0	1	-0.301183	1.67764	1.2909	No change
NM_172549	Cabin1	0	1	0.0944374	6.97864	7.09249	No change
NM_172551	Polrmt	0	1	-0.135621	4.29792	3.72122	No change
NM_172564	Tns4	0	1	0.435783	0.337106	0.437842	No change
NM_172565	Kihl11	0	1	0.155932	18.3387	19.4508	No change
NM_172567	Mettl2	0	1	0.0558492	5.37532	5.31785	No change
NM_172573	Engase	0	1	0.466736	1.45712	1.92199	No change
NM_172590	Wdr41	0	1	0.267012	5.66554	6.49236	No change
NM_172599	Atg14	0	1	0.247308	4.56407	5.15913	No change
NM_172601	Rab2b	0	1	-0.329197	5.23456	3.95944	No change
NM_172603	Phf11	0	1	-0.175652	0.514719	0.424171	No change
NM_172604	Scara3	0	1	0.236866	3.88889	4.36439	No change
NM_172607	Naprt1	0	1	0.670248	1.21686	1.86125	No change
NM_172608	Tmem184b	0	1	0.383315	2.30167	2.86224	No change
NM_172612	Rnd1	0	1	-0.760614	0.316355	0.162939	No change
NM_172614	Tmem44	0	1	0.417247	0.755924	0.964887	No change
NM_172617	Zfp523	0	1	0.094226	7.58091	7.70323	No change
NM_172619	Adamts10	0	1	0.215393	1.62874	1.8014	No change
NM_172620	Vps52	0	1	-0.0482507	5.19044	4.77568	No change
NM_172621	Clic5	0	1	-0.075623	0.759855	0.684888	No change
NM_172632	Mapk4	0	1	-0.471108	0.528778	0.357943	No change
NM_172633	Cbln2	0	1	0.113855	0.0316642	0.0326174	No change
NM_172635	Pat11	0	1	0.380959	1.93179	2.39813	No change
NM_172639	Dpcd	0	1	-0.348772	5.76911	4.29791	No change
NM_172644	Dars2	0	1	0.336247	3.48367	4.18998	No change
NM_172648	Ifi205	0	1	-0.0381483	2.11714	1.95834	No change
NM_172663	Epc2	0	1	0.132591	7.32432	7.64365	No change
NM_172667	Cwc22	0	1	0.308176	4.4256	5.21922	No change
NM_172673	Frmd5	0	1	0.208492	0.962426	1.05977	No change
NM_172676	Samd10	0	1	0.0956157	13.1878	13.4138	No change
NM_172687	Coq3	0	1	0.366836	3.17392	3.90138	No change
NM_172690	N28178	0	1	-0.208073	0.595666	0.486647	No change
NM_172694	Megf9	0	1	0.0903958	4.21071	4.26713	No change
NM_172697	Prpf38a	0	1	-0.185112	25.6932	21.5042	No change
NM_172706	9330182L06Rik	0	1	0.45089	0.557303	0.729236	No change
NM_172709	Otop1	0	1	-2.05607	0.176942	0.0227836	No change
NM_172712	Uba6	0	1	0.10575	9.76633	10.0039	No change
NM_172728	Creb5	0	1	0.92121	0.169805	0.324846	No change
NM_172731	Fgd5	0	1	0.231212	0.718995	0.804488	No change
NM_172734	Stk38l	0	1	0.235845	3.57748	4.01171	No change
NM_172736	Leng8	0	1	0.03509	24.4486	23.8458	No change
NM_172743	Plekha7	0	1	0.334882	2.42438	2.91359	No change
NM_172750	Adprhl1	0	1	-1.47111	0.102114	0	No change
NM_172756	Ankle1	0	1	1.36178	0.228609	0.605547	No change
NM_172760	Elmo3	0	1	0.0738567	5.80774	5.81835	No change
NM_172766	Nfrkb	0	1	0.148773	6.04969	6.38482	No change
NM_172771	Dmxl2	0	1	0.0911693	13.0403	13.2232	No change
NM_172774	Atrip	0	1	0.183865	4.87742	5.27546	No change
NM_172775	Plxnb1	0	1	0.158249	1.80715	1.91999	No change
NM_172776	D630002G06Rik	0	1	-0.886145	0.157819	0.0650281	No change
NM_172777	Gbp9	0	1	0.308671	3.16524	3.73479	No change
NM_172781	Kihl4	0	1	0.454892	0.298745	0.395664	No change
NM_172784	Lrp11	0	1	-0.347725	1.70283	1.26802	No change
NM_172785	Zc3h12d	0	1	0.599282	0.57893	0.841917	No change
NM_172791	Pla2g3	0	1	-0.663753	0.611108	0.355807	No change
NM_172793	Btnl9	0	1	1.69882	0.028296	0.145739	No change
NM_172794	Zfp454	0	1	0.512404	0.711844	0.977698	No change
NM_172796	Sifn9	0	1	0.113855	0.542217	0.55854	No change
NM_172800	Sdk2	0	1	0.179818	1.79403	1.93501	No change
NM_172804	Syt16	0	1	-0.248715	0.206116	0.159241	No change
NM_172805	Kcnh5	0	1	1.11385	0	0.0176782	No change
NM_172807	Ppww1	0	1	-0.0513676	7.86476	7.22158	No change
NM_172812	Htr2a	0	1	-0.0236487	0.234577	0.217475	No change
NM_172815	Rspo2	0	1	0.3065	0.125197	0.15046	No change
NM_172816	Slc30a8	0	1	0.113855	0	0	No change
NM_172822	Pigz	0	1	-0.0236487	0.319107	0.295842	No change
NM_172825	Gpr128	0	1	0.509783	0.954698	1.30239	No change

NM_172829	St6gal2	0	1	0.113855	0	0	No change
NM_172831	E230025N22Rik	0	1	-0.886145	0.0345699	0	No change
NM_172832	Pcyox1l	0	1	0.293561	3.35162	3.91522	No change
NM_172833	Malt1	0	1	0.264414	4.16098	4.75931	No change
NM_172835	Peli3	0	1	0.113855	0.935476	0.963637	No change
NM_172839	Ccnj	0	1	0.237237	1.00422	1.12849	No change
NM_172841	Slco5a1	0	1	-0.663753	0.384863	0.227747	No change
NM_172843	Tor1aip2	0	1	-0.0553879	12.5697	11.5135	No change
NM_172844	Fmo9	0	1	-0.886145	0.0227383	0	No change
NM_172845	Adamts4	0	1	-0.886145	0.208718	0.097728	No change
NM_172849	9430031J16Rik	0	1	0.698817	0.0142057	0.0292666	No change
NM_172852	Serpnb13	0	1	0.113855	0	0	No change
NM_172853	Cdh7	0	1	0.113855	0	0	No change
NM_172854	Olfml2a	0	1	-0.192807	1.33079	1.10264	No change
NM_172855	Galnt5	0	1	0.85082	0.0429276	0.0884398	No change
NM_172858	Pak7	0	1	0.698817	0.39424	0.616683	No change
NM_172859	6330439K17Rik	0	1	-0.290343	2.24454	1.74459	No change
NM_172862	Frem2	0	1	0.386108	0.728085	0.90698	No change
NM_172866	Rgp1	0	1	0.0716023	6.98355	6.9858	No change
NM_172867	Zfp462	0	1	-0.168039	1.52719	1.29273	No change
NM_172868	Palm2	0	1	-0.301183	0.331669	0.25405	No change
NM_172872	Kank4	0	1	0.499509	0.885497	1.19627	No change
NM_172873	Cdcp2	0	1	1.69882	0	0.0549912	No change
NM_172874	Podn	0	1	0.48825	0.571975	0.770484	No change
NM_172876	Gpatch3	0	1	-0.484783	1.8093	1.21862	No change
NM_172880	Tmprss11e	0	1	-0.471108	0.0408996	0.0210654	No change
NM_172881	Ugt2b35	0	1	0.113855	0	0	No change
NM_172884	2900026A02Rik	0	1	0.313164	2.24431	2.65619	No change
NM_172885	Tmem132d	0	1	-1.47111	0.081455	0.0167814	No change
NM_172887	Fry	0	1	-0.276292	1.6108	1.26454	No change
NM_172888	Svs1	0	1	0.528892	0.050193	0.077556	No change
NM_172896	Nlrp4a	0	1	-0.886145	0.0194945	0	No change
NM_172898	Kirrel2	0	1	-0.886145	0.0223232	0	No change
NM_172900	Siglecg	0	1	0.113855	0.0280567	0.0289014	No change
NM_172905	E030002O03Rik	0	1	-0.886145	0.0309334	0	No change
NM_172907	Olfml1	0	1	0.449904	2.12371	2.77101	No change
NM_172909	Cd16311	0	1	-0.886145	0.100887	0.0415698	No change
NM_172919	Zfp846	0	1	-0.304647	3.49097	2.68402	No change
NM_172922	Ankk1	0	1	-1.20807	0.233521	0.0801835	No change
NM_172923	Al118078	0	1	-0.108538	0.173726	0.14913	No change
NM_172925	Klhl31	0	1	0.551976	0.334152	0.470422	No change
NM_172931	Hsf1	0	1	-0.471108	0.0706825	0.0364052	No change
NM_172932	Nlgn3	0	1	0.85082	0.0359149	0.0739922	No change
NM_172939	Ankrd57	0	1	0.214941	3.81519	4.21645	No change
NM_172945	Ankrd13b	0	1	0.0524543	0.480497	0.473442	No change
NM_172946	Krt222	0	1	-0.886145	0.280301	0.131245	No change
NM_172947	Lsm12	0	1	-0.288244	12.5834	9.79501	No change
NM_172951	Sntg2	0	1	0.424195	0.715717	0.921579	No change
NM_172964	Arhgap28	0	1	0.135714	1.70463	1.78296	No change
NM_172974	Cops7b	0	1	-0.157107	4.52957	3.86146	No change
NM_172980	Slc28a2	0	1	0.113855	0.232072	0.239058	No change
NM_172987	Nkain3	0	1	1.11385	0.0482471	0.124249	No change
NM_172990	Pank4	0	1	0.113855	3.8039	3.91842	No change
NM_172991	C030048B08Rik	0	1	0.100308	6.37107	6.50124	No change
NM_172992	Phtf2	0	1	0.108049	3.57178	3.66447	No change
NM_172994	Ppp2r2c	0	1	0.196317	0.570545	0.62334	No change
NM_173008	A430110N23Rik	0	1	0.616355	0.572595	0.842617	No change
NM_173013	Mtap1s	0	1	-0.478487	2.06482	1.40337	No change
NM_173016	Vat1l	0	1	-1.47111	0.26695	0.0785674	No change
NM_173022	BC048403	0	1	0.461778	0.961436	1.26676	No change
NM_173026	Zbtb11	0	1	0.00182819	7.26491	6.92342	No change
NM_173027	Ip6k3	0	1	-1.47111	0.151178	0.0311458	No change
NM_173030	Galnt13	0	1	0.68322	0.300142	0.463766	No change
NM_173036	Gpr97	0	1	-0.108538	0.371619	0.323913	No change
NM_173048	Gga3	0	1	0.00817673	5.08791	4.8695	No change
NM_173051	Serpnb1c	0	1	0.113855	0	0	No change
NM_173070	Sprr4	0	1	0.113855	0	0	No change
NM_173180	Pmpca	0	1	-0.115561	16.8155	14.7717	No change
NM_173184	Rln3	0	1	1.11385	0	0.151139	No change
NM_173347	Prune	0	1	-0.245688	9.03345	7.24769	No change
NM_173365	Gpr20	0	1	0.113855	0.423171	0.43591	No change
NM_173372	Grm6	0	1	-2.47111	0.0804397	0	No change
NM_173375	Fam180a	0	1	-0.175652	0.456106	0.375869	No change
NM_173376	Rbmx2	0	1	0.684171	1.2795	1.97703	No change
NM_173377	Svs3b	0	1	-1.47111	0.111331	0	No change
NM_173379	Leprel1	0	1	0.499145	1.48811	2.01194	No change

NM_173381	6720489N17Rik	0	1	0.500878	0.317026	0.435427	No change
NM_173382	2810046L04Rik	0	1	0.353042	0.967733	1.17962	No change
NM_173383	Dnd1	0	1	-0.709267	2.13491	1.22177	No change
NM_173387	Zfp879	0	1	-0.670416	0.868268	0.50683	No change
NM_173391	Tph2	0	1	-2.6935	0.159237	0	No change
NM_173392	Zfyve16	0	1	0.0361951	11.9415	11.6557	No change
NM_173393	Xkr6	0	1	-0.886145	0.961471	0.481059	No change
NM_173394	Ticam2	0	1	-0.523575	0.277576	0.175958	No change
NM_173395	Fam132b	0	1	0.639924	0.594185	0.892605	No change
NM_173398	Gpr171	0	1	0.251358	1.22158	1.38742	No change
NM_173403	Slc10a4	0	1	0.113855	0	0	No change
NM_173405	Amz1	0	1	-0.0925961	0.36339	0.320854	No change
NM_173410	Gpr26	0	1	0.113855	0	0	No change
NM_173411	BC030500	0	1	0.113855	0	0	No change
NM_173414	Lanc13	0	1	-0.153626	1.13784	0.970643	No change
NM_173418	Lrit2	0	1	-0.886145	0.0250604	0	No change
NM_173419	Dleu7	0	1	0.435783	0.156966	0.215589	No change
NM_173420	D930020E02Rik	0	1	-0.471108	0.0464465	0.0239223	No change
NM_173422	Colec10	0	1	-0.886145	0.0151936	0	No change
NM_173424	Zbtb37	0	1	0.226983	5.92291	6.60041	No change
NM_173434	9930111J21Rik2	0	1	0.0289659	3.01626	2.9278	No change
NM_173437	Nav1	0	1	0.0503519	1.13544	1.11901	No change
NM_173439	Fbxo45	0	1	0.271396	4.90917	5.64249	No change
NM_173446	Fam155a	0	1	-0.886145	0.0221811	0	No change
NM_173450	Rpusd2	0	1	-0.480889	0.990959	0.671205	No change
NM_173451	Arjsj	0	1	0.765932	0.113322	0.194555	No change
NM_173731	Hmgcl1	0	1	-1.37157	0.250625	0.0794368	No change
NM_173735	2310044G17Rik	0	1	-0.0318449	13.7856	12.8348	No change
NM_173737	8430410A17Rik	0	1	0.327562	5.84489	6.99031	No change
NM_173756	Lin52	0	1	-0.201019	8.25653	6.83086	No change
NM_173757	Mrps27	0	1	0.0979133	3.39414	3.45747	No change
NM_173763	Ccbl2	0	1	0.612661	1.39634	2.04569	No change
NM_173767	Insc	0	1	-2.6935	0.180163	0	No change
NM_173769	Zfp641	0	1	-0.438686	0.815899	0.566822	No change
NM_173770	Fam69c	0	1	0.528892	0.0647403	0.100034	No change
NM_173772	Neu4	0	1	1.11385	0	0.0159288	No change
NM_173773	Oog4	0	1	0.113855	0	0	No change
NM_173777	Olfm2	0	1	-0.0236487	0.457003	0.423684	No change
NM_173780	Klf8	0	1	0.153383	0.547286	0.579869	No change
NM_173788	Npr2	0	1	0.35778	0.705317	0.864005	No change
NM_173862	Fam83a	0	1	-1.37157	0.434536	0.137728	No change
NM_173863	Crtc3	0	1	-0.310898	2.0185	1.5454	No change
NM_173868	St18	0	1	0.113855	0.0951115	0.0979747	No change
NM_173869	Stfa211	0	1	0.698817	0.16834	0.346816	No change
NM_174850	Micall2	0	1	0.157356	2.02039	2.14558	No change
NM_174852	Phf12	0	1	0.228948	4.57003	5.09991	No change
NM_174857	Mamdc2	0	1	-0.324266	0.856025	0.645215	No change
NM_174865	Klk15	0	1	-1.47111	0.182204	0	No change
NM_174866	Klk14	0	1	0.113855	0	0	No change
NM_174874	Atg4b	0	1	0.0567109	7.24205	7.16941	No change
NM_174876	Impg2	0	1	-0.208073	0.746134	0.612799	No change
NM_174877	Zar1	0	1	0.113855	0	0	No change
NM_174985	Gpbar1	0	1	-0.0116761	0.774366	0.725161	No change
NM_174987	1810063B05Rik	0	1	-0.108538	8.86005	7.8095	No change
NM_174988	Cdh22	0	1	0.113855	0	0	No change
NM_174990	Gimap4	0	1	0.260696	3.19586	3.64904	No change
NM_174991	Bai1	0	1	-0.610511	0.414106	0.253638	No change
NM_175000	Hbq1a	0	1	0.113855	0.461543	0.475437	No change
NM_175001	Mrpl22	0	1	0.0841075	9.08631	9.16686	No change
NM_175006	Pou6f2	0	1	-1.88615	0.230881	0.0339759	No change
NM_175011	E330017A01Rik	0	1	0.113855	0	0	No change
NM_175012	Grp	0	1	1.11385	0.0807566	0.249563	No change
NM_175022	Prr12	0	1	0.328449	1.06378	1.27322	No change
NM_175024	Nrn11	0	1	-0.564217	0.805034	0.473868	No change
NM_175030	Tctex1d4	0	1	0.399257	2.20008	2.77806	No change
NM_175035	Gimap5	0	1	-0.564217	0.824981	0.517279	No change
NM_175087	Aqp6	0	1	-0.564217	1.04878	0.66215	No change
NM_175088	Mdfic	0	1	0.322802	3.10423	3.69927	No change
NM_175092	Rhof	0	1	0.170438	0.780509	0.837506	No change
NM_175093	Trib3	0	1	-0.0381483	0.30582	0.280023	No change
NM_175096	Stbd1	0	1	-0.0771935	4.49405	4.05067	No change
NM_175101	Tmem111	0	1	0.146942	29.1158	30.689	No change
NM_175103	Bola2	0	1	0.338286	20.6804	24.9245	No change
NM_175112	Rae1	0	1	0.0867187	6.40119	6.47025	No change
NM_175114	Trak1	0	1	0.212345	5.23589	5.77561	No change
NM_175126	Zcchc3	0	1	0.374244	2.03055	2.51001	No change

NM_175127	Fbxo28	0	1	0.177334	8.18498	8.81131	No change
NM_175132	Synpo2l	0	1	0.765932	0.106618	0.183047	No change
NM_175136	Rnf122	0	1	0.3065	0.255429	0.303599	No change
NM_175137	Vars2	0	1	0.0472571	2.07945	2.04468	No change
NM_175140	Chst8	0	1	0.113855	0.0290751	0.0299503	No change
NM_175145	Tmem127	0	1	-0.026548	16.5483	15.4642	No change
NM_175148	2300002M23Rik	0	1	0.113855	0.167531	0.172574	No change
NM_175149	2310022B05Rik	0	1	0.172748	3.01363	3.23461	No change
NM_175151	Tatdn1	0	1	0.326849	6.68358	7.98845	No change
NM_175154	Galk2	0	1	0.217963	12.1686	13.4751	No change
NM_175164	Arhgap26	0	1	0.14687	1.89695	1.9995	No change
NM_175165	Tprg	0	1	0.113855	0.25717	0.264911	No change
NM_175166	5430419D17Rik	0	1	-0.886145	0.0238022	0	No change
NM_175171	Mast4	0	1	-0.0709544	2.22077	2.01176	No change
NM_175174	Klh5	0	1	-0.0387443	5.48055	5.07677	No change
NM_175175	Plekhf2	0	1	-0.114414	9.76178	8.5805	No change
NM_175178	Aifm3	0	1	-0.819031	0.524599	0.270196	No change
NM_175183	Atxn7l2	0	1	-0.16032	1.18045	1.0014	No change
NM_175191	Gpr22	0	1	0.370195	1.07874	1.33033	No change
NM_175204	Psemb11	0	1	-2.20807	0.0656397	0	No change
NM_175206	Fbxl22	0	1	-0.243302	2.00135	1.60549	No change
NM_175213	Mei4	0	1	-1.6935	0.136608	0.0234534	No change
NM_175228	4930578C19Rik	0	1	0.85082	0.309919	0.558685	No change
NM_175234	6230409E13Rik	0	1	-0.00398168	0.373009	0.353499	No change
NM_175247	Zfp28	0	1	-0.320241	2.11802	1.61036	No change
NM_175249	Psap11	0	1	0.698817	0.136814	0.225492	No change
NM_175256	Heg1	0	1	-0.236938	5.32174	4.29544	No change
NM_175259	Shisa4	0	1	1.49237	0.527089	1.50821	No change
NM_175263	Notum	0	1	0.528892	0.276148	0.391135	No change
NM_175268	Fam53b	0	1	-0.308272	3.72667	2.86144	No change
NM_175270	Ankrd56	0	1	0.741886	0.1787	0.294527	No change
NM_175271	Lpar4	0	1	1.52889	0.0328973	0.118607	No change
NM_175284	Fzd10	0	1	0.113855	0.186594	0.192211	No change
NM_175293	D630023F18Rik	0	1	-0.886145	0.0319692	0	No change
NM_175300	Anapc2	0	1	-0.0815409	6.90692	6.21062	No change
NM_175303	Sall4	0	1	-1.56422	0.20607	0.0566063	No change
NM_175305	Lrrc19	0	1	-0.201019	1.25663	1.03557	No change
NM_175309	Upk3b	0	1	0.113855	0.171152	0.176304	No change
NM_175310	Pds5b	0	1	-0.07742	4.29085	3.86997	No change
NM_175315	Ceacam15	0	1	0.113855	0	0	No change
NM_175325	Bbs4	0	1	-0.0729137	11.4875	10.393	No change
NM_175327	B630019K06Rik	0	1	0.755401	0.637193	1.03926	No change
NM_175332	E130012A19Rik	0	1	0.528892	0.0598223	0.0924347	No change
NM_175342	Cphx	0	1	1.11385	0.126484	0.304015	No change
NM_175362	Card11	0	1	-0.191	0.338973	0.279342	No change
NM_175369	Ccdc122	0	1	0.113855	2.30825	2.37774	No change
NM_175382	Fam72a	0	1	-0.273168	0.529733	0.40926	No change
NM_175383	B3gnt1	0	1	0.0333649	4.38363	4.26865	No change
NM_175386	Lhfp	0	1	-0.122751	3.9367	3.43662	No change
NM_175397	Sp110	0	1	-0.388646	1.18611	0.851569	No change
NM_175399	Exosc4	0	1	0.0488994	6.15511	6.0595	No change
NM_175401	Fbxw17	0	1	-0.6935	1.8741	1.08591	No change
NM_175402	Rbm15b	0	1	0.238636	7.39448	8.30738	No change
NM_175423	Orai1	0	1	-0.220564	6.44408	5.25674	No change
NM_175427	Fam163b	0	1	-2.20807	0.0946272	0	No change
NM_175431	A830093l24Rik	0	1	-0.224561	5.28855	4.30348	No change
NM_175434	Slc35f3	0	1	0.251358	0.225381	0.257963	No change
NM_175440	Prss27	0	1	-1.88615	0.181966	0	No change
NM_175441	Mylk3	0	1	-0.65168	0.363221	0.210462	No change
NM_175448	Clvs2	0	1	-1.88615	0.0836315	0	No change
NM_175449	Fam26f	0	1	0.467492	1.09499	1.45971	No change
NM_175450	Wdr18	0	1	-0.234522	6.79471	5.49247	No change
NM_175454	C630004H02Rik	0	1	-0.139902	0.645903	0.554456	No change
NM_175456	Abra	0	1	1.11385	0.11866	0.285208	No change
NM_175459	Glis3	0	1	0.207977	1.56573	1.72284	No change
NM_175466	Zfp770	0	1	-0.199303	3.33506	2.76184	No change
NM_175472	Zcchc11	0	1	-0.0563489	7.43668	6.80674	No change
NM_175478	Lrfr3	0	1	0.229332	0.267956	0.301116	No change
NM_175480	Zfp612	0	1	0.175977	7.09441	7.63017	No change
NM_175481	Grik4	0	1	0.546814	0.77925	1.09086	No change
NM_175483	Snx33	0	1	0.036252	6.10806	5.96161	No change
NM_175485	Prtg	0	1	-0.117471	0.206757	0.180215	No change
NM_175486	6430571L13Rik	0	1	-0.471108	0.300401	0.196919	No change
NM_175490	Gpr75	0	1	0.325359	0.42932	0.515952	No change
NM_175491	Smcr8	0	1	0.271767	5.25205	6.0383	No change
NM_175495	Gpr150	0	1	0.698817	0.0324757	0.0669068	No change

NM_175497	Actb2	0	1	0.113855	0	0	No change
NM_175500	Gpc5	0	1	0.936977	0.289884	0.547453	No change
NM_175501	Adamts12	0	1	0.113855	0.357744	0.368513	No change
NM_175502	Tmem74	0	1	-1.47111	0.0946915	0	No change
NM_175506	Adamts19	0	1	-0.273168	0.238981	0.184632	No change
NM_175512	Dhrs9	0	1	-1.47111	0.0494803	0	No change
NM_175513	Zfp804a	0	1	0.113855	0	0	No change
NM_175514	Fam171b	0	1	0.22077	0.24641	0.27498	No change
NM_175519	Kctd8	0	1	-0.886145	0.0723707	0.0248498	No change
NM_175520	Gpr81	0	1	0.698817	0.0636465	0.109271	No change
NM_175523	Ppm1k	0	1	0.197225	4.41221	4.81619	No change
NM_175524	C130060K24Rik	0	1	0.698817	0.0236007	0.0486224	No change
NM_175525	D630042P16Rik	0	1	0.961852	0.211031	0.434767	No change
NM_175526	Clec1a	0	1	-0.00162241	0.25591	0.241646	No change
NM_175528	E330009J07Rik	0	1	0.371653	3.25067	4.01087	No change
NM_175529	Leng9	0	1	0.0398542	4.0826	3.99311	No change
NM_175531	Mrgprb2	0	1	-2.47111	0.167854	0	No change
NM_175534	Mrgpre	0	1	1.11385	0	0.0190883	No change
NM_175539	Dcaf12l2	0	1	-0.886145	0.0241905	0	No change
NM_175542	Rttn	0	1	-0.23247	1.56279	1.26417	No change
NM_175546	Wdfy2	0	1	3.49E-05	4.99044	4.74799	No change
NM_175548	Lsamp	0	1	-1.88615	0.0847502	0	No change
NM_175550	Ap4e1	0	1	-0.0478963	2.80951	2.58597	No change
NM_175561	Pcnxl2	0	1	-0.679694	0.492837	0.288677	No change
NM_175562	Rab39	0	1	-0.248715	0.398782	0.314131	No change
NM_175564	Tmem169	0	1	-0.886145	0.0247577	0	No change
NM_175643	Adamts2	0	1	0.113855	0.782439	0.805993	No change
NM_175644	Gphb5	0	1	-0.886145	0.0431803	0	No change
NM_175645	Xylt1	0	1	-0.0787903	0.340519	0.304001	No change
NM_175648	Trim30b	0	1	1.11385	0.100603	0.233172	No change
NM_175649	Tnfrsf26	0	1	-0.301183	0.0702314	0.0482304	No change
NM_175650	Atp13a5	0	1	-1.20807	0.13831	0.0474913	No change
NM_175651	Cnpy1	0	1	0.113855	0	0	No change
NM_175652	Hist4h4	0	1	0.0657605	13.4025	13.3458	No change
NM_175653	Hist1h3c	0	1	0.506172	4.501	6.13215	No change
NM_175655	Hist1h4f	0	1	-0.181152	32.3893	27.1517	No change
NM_175661	Hist1h2af	0	1	-0.663753	10.4628	6.21092	No change
NM_175662	Hist2h2ac	0	1	0.0325547	12.8664	12.5174	No change
NM_175668	Gpr4	0	1	-0.314988	0.821623	0.622321	No change
NM_175678	Npsr1	0	1	0.113855	0	0	No change
NM_175682	9930021D14Rik	0	1	0.232499	4.82328	5.40052	No change
NM_175688	A530099J19Rik	0	1	1.43578	0.0251327	0.103557	No change
NM_175692	Shhg11	0	1	0.0111691	1.54503	1.48136	No change
NM_175730	Hoxc5	0	1	0.22633	0.919028	1.02559	No change
NM_175731	Acer1	0	1	0.113855	0	0	No change
NM_175750	Plxna4	0	1	-0.309088	0.670018	0.513363	No change
NM_175936	Vmn2r81	0	1	0.113855	0	0	No change
NM_175938	Btn2a2	0	1	-0.886145	0.116817	0.0481334	No change
NM_176835	Dnajc22	0	1	0.364398	2.71717	3.33911	No change
NM_176843	Ints5	0	1	0.184628	3.76604	4.07557	No change
NM_176850	Bptf	0	1	-0.0686529	13.2676	12.0422	No change
NM_176860	Ubash3b	0	1	-0.307609	1.59028	1.21755	No change
NM_176913	Dpep2	0	1	-1.88615	0.276246	0.0406517	No change
NM_176919	Ppm1h	0	1	0.296232	3.31083	3.87335	No change
NM_176921	6030419C18Rik	0	1	-0.400718	0.293238	0.201377	No change
NM_176922	Itga11	0	1	-0.507634	0.268213	0.174497	No change
NM_176931	Syt15	0	1	1.52889	0.0773936	0.279032	No change
NM_176933	Dusp4	0	1	-0.140462	5.65699	4.88072	No change
NM_176959	Fbxl7	0	1	0.023657	0.48314	0.466579	No change
NM_176968	Nt5dc1	0	1	0.048955	8.72445	8.5906	No change
NM_176982	Fbxo48	0	1	-1.37157	0.427968	0.135647	No change
NM_177000	C130050O18Rik	0	1	-1.24872	0.590618	0.214729	No change
NM_177001	9130023H24Rik	0	1	-0.067061	5.42986	4.93175	No change
NM_177002	C730048C13Rik	0	1	-0.886145	0.0348988	0	No change
NM_177013	Tmem229a	0	1	0.0398542	0.26563	0.259225	No change
NM_177016	Slc17a4	0	1	0.113855	0	0	No change
NM_177028	5330437I02Rik	0	1	-1.47111	0.101564	0.0209242	No change
NM_177033	Vwc2	0	1	-0.728604	0.993387	0.561807	No change
NM_177036	Ceacam19	0	1	-0.564217	0.14515	0.08544	No change
NM_177039	A530016L24Rik	0	1	-1.88615	0.0793167	0	No change
NM_177045	Cc2d1b	0	1	-0.171169	7.55042	6.37948	No change
NM_177055	A630001G21Rik	0	1	0.113855	0.863962	0.889971	No change
NM_177056	Tmem198	0	1	-0.54911	0.574129	0.361419	No change
NM_177059	Fstl4	0	1	0.698817	0.111795	0.184257	No change
NM_177061	Olfrl344	0	1	-3.05607	0.577167	0	No change
NM_177066	Tnni3k	0	1	0.113855	0	0	No change

NM_177069	Fbxw21	0	1	-0.886145	0.0468997	0	No change
NM_177070	Fbxw16	0	1	-0.886145	0.0461237	0	No change
NM_177073	Relt	0	1	0.152329	0.890645	0.942941	No change
NM_177074	Slc38a11	0	1	-0.886145	0.477349	0.223509	No change
NM_177077	Exoc6b	0	1	0.137981	7.58423	7.94452	No change
NM_177082	Sp8	0	1	1.11385	0	0.0160248	No change
NM_177084	Slc9a4	0	1	-0.269474	0.528806	0.41324	No change
NM_177087	Fam179a	0	1	-0.351809	0.557066	0.409883	No change
NM_177092	Msrb3	0	1	-0.108751	21.1447	18.6641	No change
NM_177099	Lefty2	0	1	-2.6935	0.169914	0	No change
NM_177101	4833442J19Rik	0	1	-0.00782375	6.37004	6.02714	No change
NM_177102	Tmem91	0	1	-1.23407	2.14807	0.819532	No change
NM_177115	March3	0	1	-0.748642	1.54961	0.859527	No change
NM_177129	Cntn2	0	1	0.255874	0.204657	0.233405	No change
NM_177139	Lypd6	0	1	0.528892	0.342719	0.477637	No change
NM_177152	Lrig3	0	1	0.223479	0.636701	0.709047	No change
NM_177155	Klri2	0	1	2.11385	0	0.0550404	No change
NM_177158	Rinl	0	1	-0.159164	0.679221	0.574728	No change
NM_177161	P4ha3	0	1	-1.47111	0.0590368	0	No change
NM_177162	9930032O22Rik	0	1	-0.886145	0.0242663	0	No change
NM_177164	Vvc2l	0	1	-2.20807	0.0598865	0	No change
NM_177167	Ppm1e	0	1	-0.253088	2.59348	2.06904	No change
NM_177182	Bhlha9	0	1	-1.88615	0.173222	0	No change
NM_177187	D5ErtD577e	0	1	-0.886145	0.0280229	0	No change
NM_177197	Idi2	0	1	-0.471108	0.0621426	0.0320067	No change
NM_177200	Svopl	0	1	-0.0950921	2.59213	2.30605	No change
NM_177201	Phf8	0	1	0.152329	6.19991	6.55968	No change
NM_177208	Dopey1	0	1	0.00155812	8.35643	7.96279	No change
NM_177225	Samd12	0	1	0.320306	0.895412	1.0761	No change
NM_177226	Zfp629	0	1	0.173709	7.52082	8.0759	No change
NM_177243	Slc26a9	0	1	-0.301183	0.0574392	0.0394456	No change
NM_177244	Fastkd1	0	1	-0.267235	5.44171	4.29841	No change
NM_177250	Lingo4	0	1	-0.208073	0.213128	0.170757	No change
NM_177265	6330512M04Rik	0	1	1.43578	0.0215768	0.0889052	No change
NM_177268	Ankrd16	0	1	0.278242	5.12187	5.9165	No change
NM_177301	Hnrnp1	0	1	0.124036	22.9382	23.7963	No change
NM_177304	Enpp6	0	1	-0.385716	0.909533	0.655839	No change
NM_177310	Xpnpep3	0	1	-0.0433849	3.94123	3.63836	No change
NM_177312	6330408A02Rik	0	1	0.230894	1.45714	1.62966	No change
NM_177316	Fpr-rs6	0	1	0.113855	0	0	No change
NM_177320	Pik3r5	0	1	0.206964	0.223631	0.246817	No change
NM_177330	Ghsr	0	1	0.113855	0	0	No change
NM_177333	Exoc3	0	1	-0.146348	15.4216	13.2616	No change
NM_177338	Hmbox1	0	1	0.137013	7.32358	7.66652	No change
NM_177342	Taf5	0	1	-0.175274	9.04853	7.62421	No change
NM_177344	Tmem203	0	1	0.172153	7.32005	7.85459	No change
NM_177345	Mapkap1	0	1	-0.126058	16.5573	14.4391	No change
NM_177346	Gpr149	0	1	-0.886145	0.0208912	0	No change
NM_177347	Ifna13	0	1	1.11385	0	0.0876569	No change
NM_177348	Ifne	0	1	-0.886145	0.104959	0	No change
NM_177350	Gldn	0	1	0.504645	0.659602	0.89565	No change
NM_177351	Agphd1	0	1	0.479139	0.79212	1.05513	No change
NM_177356	Lamp3	0	1	-0.545108	0.604575	0.38655	No change
NM_177361	Ifna12	0	1	0.113855	0	0	No change
NM_177362	Zfp771	0	1	0.417247	2.6064	3.3269	No change
NM_177363	Tarm1	0	1	-2.88615	0.509771	0	No change
NM_177364	Sh3pxd2b	0	1	0.288533	0.937741	1.09155	No change
NM_177369	Myh8	0	1	0.113855	0	0	No change
NM_177371	Tnfsf15	0	1	-0.063023	0.298957	0.271002	No change
NM_177378	Rnf150	0	1	0.320306	0.460542	0.548532	No change
NM_177380	Cyp3a44	0	1	0.113855	0.0355214	0.0365907	No change
NM_177382	Cyp2r1	0	1	0.135071	5.74699	6.00835	No change
NM_177383	Gpr21	0	1	0.410837	2.09352	2.65661	No change
NM_177387	Ust	0	1	-0.424565	0.976092	0.687075	No change
NM_177392	Tmem220	0	1	0.950356	0.789894	1.50217	No change
NM_177393	Nalcn	0	1	0.420516	0.734641	0.938378	No change
NM_177396	Il28b	0	1	-0.886145	0.119747	0	No change
NM_177406	Cyp4a12a	0	1	-1.62311	0.258975	0.0592824	No change
NM_177446	Abpz	0	1	0.113855	0	0	No change
NM_177462	Zmym6	0	1	0.140595	9.89593	10.3849	No change
NM_177469	Gpr123	0	1	0.113855	0.0439426	0.0452654	No change
NM_177471	Ccdc69	0	1	-0.0787903	1.12962	1.01185	No change
NM_177475	Zfp280b	0	1	-0.120157	2.6596	2.32724	No change
NM_177544	Ang4	0	1	-1.88615	0.300833	0	No change
NM_177561	Usp46	0	1	-0.0339518	17.2882	16.0723	No change
NM_177564	Dhrs11	0	1	-0.244939	5.29686	4.2438	No change

NM_177571	Gm13103	0	1	0.113855	0	0	No change
NM_177572	Rimk1a	0	1	-0.471108	0.137191	0.0883255	No change
NM_177573	9930104L06Rik	0	1	0.10414	3.50597	3.58711	No change
NM_177580	Baiap212	0	1	-0.886145	0.100907	0.0346482	No change
NM_177582	Mlxip	0	1	-0.158225	1.97599	1.68008	No change
NM_177591	Igsf1	0	1	1.69882	0	0.032514	No change
NM_177595	Mkx	0	1	0.87939	0.19595	0.358843	No change
NM_177598	Fbxw13	0	1	-1.47111	0.0938625	0	No change
NM_177600	Ccdc73	0	1	-0.078164	5.79596	5.22414	No change
NM_177610	Duox2	0	1	-0.471108	0.0306074	0.0157644	No change
NM_177615	Slc26a10	0	1	-1.3191	0.818066	0.291701	No change
NM_177618	Wscd1	0	1	0.661343	0.305448	0.471964	No change
NM_177624	Sntn	0	1	0.506172	0.84306	1.15792	No change
NM_177629	AU021034	0	1	0.500878	0.373689	0.513251	No change
NM_177632	Fam43a	0	1	0.594982	1.06523	1.54088	No change
NM_177634	H2-M10.4	0	1	-1.47111	0.139946	0	No change
NM_177635	H2-M11	0	1	0.113855	0	0	No change
NM_177636	H2-M1	0	1	0.113855	0	0	No change
NM_177637	H2-M10.5	0	1	0.113855	0	0	No change
NM_177642	Igfn1	0	1	-1.53822	0.162689	0.0478819	No change
NM_177653	F830045P16Rik	0	1	-0.886145	0.0362041	0	No change
NM_177661	C130079G13Rik	0	1	0.113855	0	0	No change
NM_177665	Gm4861	0	1	0.576198	3.20427	4.57602	No change
NM_177667	Ttc22	0	1	0.113855	0.0274923	0.0283199	No change
NM_177668	Skint10	0	1	-1.47111	0.0806165	0	No change
NM_177671	Epha10	0	1	0.113855	0	0	No change
NM_177680	Ythdc1	0	1	0.0772628	12.8176	12.8722	No change
NM_177681	Zfp12	0	1	0.0946952	6.16809	6.26973	No change
NM_177682	Ccz1	0	1	-0.0790269	34.2752	30.8835	No change
NM_177683	Vgll4	0	1	0.28378	10.7261	12.4371	No change
NM_177686	Clec12a	0	1	-0.0725583	1.00368	0.904657	No change
NM_177690	Nlrp2	0	1	0.113855	0	0	No change
NM_177691	Ppm1n	0	1	1.11385	0	0.0440165	No change
NM_177693	Lim2	0	1	0.113855	0	0	No change
NM_177695	Tmc3	0	1	0.255874	0.452132	0.515644	No change
NM_177699	Fhod1	0	1	-0.331556	2.2419	1.69112	No change
NM_177701	Gm4894	0	1	0.113855	0	0	No change
NM_177703	Fbxw19	0	1	0.113855	0	0	No change
NM_177707	Stac3	0	1	-0.0560702	0.311477	0.280747	No change
NM_177708	Rtn4rl1	0	1	0.0388928	1.6433	1.60596	No change
NM_177709	Tusc5	0	1	1.25136	0.0861204	0.221782	No change
NM_177717	4732456N10Rik	0	1	0.85082	0.0550063	0.113324	No change
NM_177718	1600021P15Rik	0	1	0.153383	1.60656	1.70154	No change
NM_177723	Vsig8	0	1	-1.27846	0.773936	0.279032	No change
NM_177725	Lrrc8a	0	1	0.143808	4.66913	4.91095	No change
NM_177726	Tgm6	0	1	-0.886145	0.0210553	0	No change
NM_177727	Lsm14b	0	1	0.0734657	8.93852	8.95262	No change
NM_177732	Slc35d1	0	1	0.310252	1.13224	1.34003	No change
NM_177733	E2f2	0	1	-0.471108	0.205931	0.13637	No change
NM_177739	Zfp507	0	1	-0.00162241	7.84906	7.46257	No change
NM_177740	Rgma	0	1	-0.0236487	0.621911	0.580574	No change
NM_177744	Apol10a	0	1	-2.47111	0.114891	0	No change
NM_177746	Awat2	0	1	-0.752879	1.31248	0.721064	No change
NM_177748	Kir3dl2	0	1	-0.886145	0.040192	0	No change
NM_177749	Kir3dl1	0	1	0.113855	0	0	No change
NM_177750	Frpm3	0	1	-2.47111	0.110941	0	No change
NM_177753	Sox21	0	1	1.69882	0	0.0378146	No change
NM_177755	Klh38	0	1	-0.264657	0.378081	0.292097	No change
NM_177756	Glit25d2	0	1	0.113855	0.154644	0.159299	No change
NM_177763	Lhfp14	0	1	-0.623111	0.058504	0.0301326	No change
NM_177764	Vmn2r57	0	1	-0.248715	0.457091	0.360063	No change
NM_177769	Elmod1	0	1	0.492366	0.508317	0.688973	No change
NM_177774	Srsf12	0	1	1.19186	0.189705	0.439686	No change
NM_177775	Esy13	0	1	-0.0523945	11.3905	10.4545	No change
NM_177781	Trpa1	0	1	0.113855	0	0	No change
NM_177787	Slc15a5	0	1	-1.47111	0.0566379	0	No change
NM_177789	Vsig4	0	1	-1.47111	0.389346	0.100267	No change
NM_177793	9030224M15Rik	0	1	-2.6935	0.273484	0	No change
NM_177794	Tmem26	0	1	0.94393	0.110361	0.213156	No change
NM_177809	Slc25a48	0	1	-1.88615	0.139572	0	No change
NM_177811	Zfp459	0	1	0.698817	0.648988	1.01357	No change
NM_177816	Sh2d4b	0	1	-0.71622	0.806631	0.443154	No change
NM_177820	Apol10b	0	1	-0.471108	0.807119	0.542228	No change
NM_177821	Ep300	0	1	0.145333	6.49214	6.83528	No change
NM_177822	Msln1	0	1	0.113855	0.0530388	0.0546354	No change
NM_177823	Ubash3a	0	1	-1.20807	0.212407	0.0729336	No change

NM_177828	Arhgef37	0	1	0.413415	1.93951	2.46407	No change
NM_177832	Zfp236	0	1	0.0184352	8.26928	7.97256	No change
NM_177838	Fam163a	0	1	-1.47111	0.0359057	0	No change
NM_177839	Tnn	0	1	-0.886145	0.0359922	0.0123586	No change
NM_177843	Gm14461	0	1	-1.47111	0.0783067	0	No change
NM_177845	Pla2g4e	0	1	-1.10854	0.0934013	0.032071	No change
NM_177854	6030405A18Rik	0	1	0.113855	0	0	No change
NM_177855	Med12l	0	1	-0.0336125	1.67345	1.55565	No change
NM_177856	E130311K13Rik	0	1	0.336247	3.21103	3.86674	No change
NM_177860	Gm5105	0	1	0.113855	0.0418576	0.0431177	No change
NM_177864	Skint9	0	1	-2.20807	0.203186	0	No change
NM_177865	Skint2	0	1	0.113855	0	0	No change
NM_177869	Fam185a	0	1	-0.0107718	3.25626	3.07476	No change
NM_177876	Vps37b	0	1	0.165916	10.5427	11.2602	No change
NM_177878	Mblac1	0	1	0.143602	2.50426	2.63453	No change
NM_177879	Sdk1	0	1	0.324622	0.720425	0.860176	No change
NM_177882	Zfp786	0	1	0.0868878	1.30566	1.31959	No change
NM_177884	AW146020	0	1	0.13939	2.29212	2.40367	No change
NM_177889	Zfp82	0	1	0.0006442	1.74484	1.65911	No change
NM_177894	Fam154b	0	1	-0.49758	1.34986	0.90125	No change
NM_177897	B4galnt4	0	1	-0.189214	2.10987	1.7572	No change
NM_177898	Nek5	0	1	0.542698	0.72476	1.01535	No change
NM_177900	Haplh4	0	1	-1.20807	0.0779563	0.0200758	No change
NM_177909	Slc9a9	0	1	-0.0732307	1.45693	1.31576	No change
NM_177913	A430089I19Rik	0	1	-2.20807	0.150851	0	No change
NM_177914	Dgkk	0	1	0.113855	0.0389564	0.0401291	No change
NM_177920	Serpina7	0	1	-0.886145	0.266004	0.121783	No change
NM_177921	E230019M04Rik	0	1	0.85082	0.0923697	0.190301	No change
NM_177923	H2-M10.2	0	1	0.628428	0.422381	0.652645	No change
NM_178020	Hyal3	0	1	0.0613874	1.02826	1.01998	No change
NM_178028	Galp	0	1	-0.886145	0.10722	0	No change
NM_178029	Setd1a	0	1	-0.291558	2.91415	2.26352	No change
NM_178060	Thra	0	1	0.215734	2.51341	2.78086	No change
NM_178061	Mobkl2b	0	1	-0.514176	1.46291	0.964446	No change
NM_178066	1110012D08Rik	0	1	0.268577	3.13394	3.59724	No change
NM_178069	Lsg1	0	1	-0.0384632	15.3797	14.2522	No change
NM_178070	Vps33b	0	1	0.173561	1.89973	2.04079	No change
NM_178079	Pm20d1	0	1	0.413415	0.236247	0.304199	No change
NM_178098	4930486L24Rik	0	1	-1.47111	0.406077	0.104575	No change
NM_178110	Trim62	0	1	-0.663753	0.762743	0.448974	No change
NM_178115	2700050L05Rik	0	1	0.00739066	6.4105	6.13276	No change
NM_178183	Hist1h2ak	0	1	-1.17565	3.72405	1.46139	No change
NM_178197	Hist1h2bh	0	1	-0.0725583	17.9263	16.2048	No change
NM_178199	Hist1h2bl	0	1	-0.182035	82.6803	69.3414	No change
NM_178201	Hist1h2bn	0	1	-0.168635	79.0219	66.8919	No change
NM_178203	Hist1h3b	0	1	0.580423	9.15674	13.1005	No change
NM_178204	Hist1h3d	0	1	0.685012	5.76535	8.90837	No change
NM_178206	Hist1h3h	0	1	-0.102957	5.99816	5.29606	No change
NM_178207	Hist1h3i	0	1	-0.514176	4.76163	3.12135	No change
NM_178213	Hist2h2ab	0	1	-0.00162241	4.43339	4.20151	No change
NM_178214	Hist2h2be	0	1	0.219517	8.73158	9.67999	No change
NM_178215	Hist2h3b	0	1	0.315489	3.22181	3.84283	No change
NM_178216	Hist2h3c1	0	1	0.0649452	3.70164	3.68159	No change
NM_178240	Trim50	0	1	-1.47111	0.383983	0.0988856	No change
NM_178241	Cxcr1	0	1	0.113855	0	0	No change
NM_178245	Bsx	0	1	0.113855	0	0	No change
NM_178249	Pramel6	0	1	0.113855	0	0	No change
NM_178250	Pramel7	0	1	-2.6935	0.224816	0	No change
NM_178253	Klhdc1	0	1	-0.371572	3.21825	2.35743	No change
NM_178255	Haplh3	0	1	0.961852	0.437709	0.851672	No change
NM_178257	Il22ra1	0	1	1.11385	0.0798315	0.205587	No change
NM_178258	Il22ra2	0	1	-0.471108	0.310625	0.203621	No change
NM_178259	Abca13	0	1	-1.79304	0.0609394	0.0134516	No change
NM_178260	Kiss1	0	1	0.698817	0.70255	1.15792	No change
NM_178308	Abpg	0	1	0.113855	0	0	No change
NM_178357	Klf11	0	1	0.322441	1.55768	1.85697	No change
NM_178358	Lhfpl1	0	1	0.791927	0.157143	0.283279	No change
NM_178365	Pacsin1	0	1	0.452657	2.67896	3.50099	No change
NM_178372	Prss34	0	1	0.113855	0	0	No change
NM_178373	Cidec	0	1	1.11385	0	0.0421804	No change
NM_178379	Cox10	0	1	-0.244599	5.94096	4.76804	No change
NM_178381	Ano9	0	1	-0.413392	1.11064	0.786554	No change
NM_178390	Fam53a	0	1	0.216581	9.39446	10.3941	No change
NM_178395	Zdhhc2	0	1	-0.886145	1.03228	0.517309	No change
NM_178397	Faf2	0	1	-0.0426497	12.0616	11.1457	No change
NM_178398	Wipi2	0	1	0.0391239	14.8082	14.483	No change

NM_178404	Zc3h6	0	1	0.177686	5.94006	6.39635	No change
NM_178411	Zfp334	0	1	0.0111691	1.80014	1.72595	No change
NM_178412	BC051070	0	1	0.113855	0.0417823	0.0430402	No change
NM_178414	Acsm4	0	1	-1.47111	0.0647403	0	No change
NM_178417	Zfp867	0	1	-0.212956	4.51411	3.70317	No change
NM_178421	Nanos1	0	1	-0.168545	0.780674	0.657962	No change
NM_178440	Myo1g	0	1	-0.16178	0.463636	0.390758	No change
NM_178576	Cpsf4	0	1	-0.11011	6.6002	5.81485	No change
NM_178591	Nrg1	0	1	0.376889	0.132559	0.170687	No change
NM_178592	Abhd16a	0	1	0.204801	10.4271	11.4423	No change
NM_178594	Vtcn1	0	1	-0.123184	0.850562	0.739266	No change
NM_178596	Gjd3	0	1	-0.886145	0.0832652	0	No change
NM_178605	Nop16	0	1	0.0884695	6.87283	6.95553	No change
NM_178610	Krr1	0	1	0.154689	5.82404	6.17201	No change
NM_178614	Samm50	0	1	0.276126	5.20718	6.00761	No change
NM_178618	Fam83g	0	1	0.211466	1.44162	1.59002	No change
NM_178624	Fbxl2	0	1	0.338415	2.04531	2.4655	No change
NM_178629	Ispd	0	1	-0.507634	1.52858	1.01415	No change
NM_178632	Ints7	0	1	-0.282074	5.87204	4.5918	No change
NM_178639	Sfxn5	0	1	0.452657	0.629411	0.825184	No change
NM_178643	C230052I12Rik	0	1	-0.121773	2.80643	2.44924	No change
NM_178645	Blmh	0	1	0.177985	5.17888	5.57866	No change
NM_178646	Tigd5	0	1	-0.00432662	1.27744	1.21122	No change
NM_178650	Tbc1d10c	0	1	0.164481	1.06976	1.14278	No change
NM_178652	Supt3h	0	1	0.161949	2.72568	2.90456	No change
NM_178654	Pkn2	0	1	0.0218088	17.2464	16.6668	No change
NM_178657	Oog1	0	1	-0.886145	0.0384619	0	No change
NM_178666	Themis	0	1	-0.301183	0.262596	0.198367	No change
NM_178669	Clrn3	0	1	-0.345577	0.441494	0.324846	No change
NM_178670	8030462N17Rik	0	1	-0.241878	8.56379	6.88924	No change
NM_178673	Fstl5	0	1	-2.47111	0.0731301	0	No change
NM_178674	Fbxl21	0	1	0.573286	0.815744	1.16912	No change
NM_178675	Slc35f1	0	1	-0.371572	0.0840856	0.0577446	No change
NM_178676	Entpd3	0	1	-0.803683	0.323026	0.166375	No change
NM_178681	Dgkb	0	1	-0.0787903	0.0879961	0.0776959	No change
NM_178685	Pcdh20	0	1	-0.886145	0.0133078	0	No change
NM_178692	C130074G19Rik	0	1	0.231781	7.71923	8.63102	No change
NM_178697	Clca5	0	1	1.98832	0.0355486	0.183094	No change
NM_178703	Slc6a1	0	1	-2.20807	0.0649061	0	No change
NM_178705	Luzp2	0	1	0.587786	0.224645	0.326694	No change
NM_178706	Siglech	0	1	0.393963	0.377976	0.479205	No change
NM_178707	Zfp592	0	1	0.0890107	3.909	3.95776	No change
NM_178709	Rnf214	0	1	0.19202	8.58723	9.33928	No change
NM_178710	Sik2	0	1	-0.0497878	7.8483	7.21548	No change
NM_178711	Plscr4	0	1	0.201318	1.00508	1.10143	No change
NM_178713	Aldh8a1	0	1	-1.56422	0.46607	0.128027	No change
NM_178714	Lrfn5	0	1	1.33625	0.037409	0.115605	No change
NM_178717	Rxfp3	0	1	0.113855	0	0	No change
NM_178720	Zpld1	0	1	0.113855	0	0	No change
NM_178724	Harbi1	0	1	0.191023	5.48215	5.95918	No change
NM_178725	Lrrc4c	0	1	0.94393	0.160444	0.309889	No change
NM_178726	Ppm1l	0	1	-0.489486	1.37482	0.925984	No change
NM_178730	Tmprss11f	0	1	-3.20807	0.146653	0	No change
NM_178731	Lrrtm4	0	1	0.113855	0	0	No change
NM_178740	Slitrk4	0	1	1.69882	0	0.0364884	No change
NM_178743	Slc26a11	0	1	0.0814333	1.13911	1.14674	No change
NM_178747	Gulo	0	1	1.98832	0.061539	0.316958	No change
NM_178749	Stk32a	0	1	-1.20807	0.166597	0.057204	No change
NM_178752	D330012F22Rik	0	1	0.0497245	1.34634	1.32569	No change
NM_178753	Spin4	0	1	0.290733	0.367156	0.429783	No change
NM_178756	E130309F12Rik	0	1	-1.88615	0.0555765	0	No change
NM_178757	Irf2bp1	0	1	0.261953	2.84039	3.24509	No change
NM_178758	Acsm5	0	1	-1.47111	0.0559558	0	No change
NM_178759	Timd4	0	1	-2.6935	0.192256	0	No change
NM_178760	Gpr107	0	1	0.0874901	8.80481	8.9053	No change
NM_178766	Slc25a40	0	1	-0.212539	2.80777	3.09889	No change
NM_178768	Tmem72	0	1	-1.88615	0.0626923	0	No change
NM_178773	Ano4	0	1	-0.564217	0.118497	0.0697508	No change
NM_178774	Prr18	0	1	0.113855	0.192877	0.198684	No change
NM_178777	Nhlh2	0	1	0.113855	0	0	No change
NM_178782	Bcor1	0	1	-0.530001	0.842004	0.550886	No change
NM_178786	Skint4	0	1	1.11385	0	0.0179612	No change
NM_178793	Ccbe1	0	1	-0.130564	1.85702	1.61286	No change
NM_178848	Sirt5	0	1	0.557461	1.22807	1.73943	No change
NM_178856	Gins2	0	1	-0.024592	10.2055	9.54446	No change
NM_178874	Tmcc2	0	1	0.366621	0.940139	1.15792	No change

NM_178877	Nhedc2	0	1	-1.20807	0.124285	0.0320067	No change
NM_178882	D2hgdh	0	1	0.0829938	4.28459	4.31967	No change
NM_178884	Obsl1	0	1	-0.285501	2.93508	2.28935	No change
NM_178885	Al182371	0	1	0.113855	0.4102	0.422548	No change
NM_178887	Fibcd1	0	1	-0.663753	0.513419	0.302214	No change
NM_178889	Zscan29	0	1	0.166322	2.98799	3.19233	No change
NM_178891	Prmt6	0	1	0.384307	2.72749	3.39493	No change
NM_178894	AA792892	0	1	-1.20807	0.23001	0.0592335	No change
NM_178901	Al467606	0	1	0.406902	3.99699	5.05307	No change
NM_178906	Al593442	0	1	-2.05607	0.09926	0.012781	No change
NM_178908	Fam26e	0	1	0.113855	0.507283	0.522555	No change
NM_178909	Wdr92	0	1	-0.158517	5.64694	4.81257	No change
NM_178911	Pld4	0	1	-0.309357	2.04357	1.56067	No change
NM_178922	Hic2	0	1	0.103731	1.56119	1.59686	No change
NM_178929	Kazald1	0	1	-0.538222	1.06054	0.676292	No change
NM_178931	Tnfrsf14	0	1	0.00693961	1.01457	0.964716	No change
NM_178932	Aoc2	0	1	-0.670416	1.67703	0.991197	No change
NM_178933	Ostb	0	1	-1.10854	0.85688	0.294225	No change
NM_180600	Ube2q2	0	1	0.0980133	15.1661	15.4518	No change
NM_181039	Lphn1	0	1	0.0200466	7.02207	6.77753	No change
NM_181040	Atpaf1	0	1	-0.104917	6.4603	5.7137	No change
NM_181071	Tanc2	0	1	0.0870548	4.78371	4.83692	No change
NM_181273	Heph	0	1	0.397648	0.797808	1.00445	No change
NM_181275	Tas2r139	0	1	-1.20807	0.290387	0.0747823	No change
NM_181276	Tas2r136	0	1	0.113855	0	0	No change
NM_181317	Kcns2	0	1	-0.734142	0.127877	0.0658633	No change
NM_181390	Mustn1	0	1	0.698817	1.4778	2.31387	No change
NM_181395	Pxdn	0	1	0.245099	0.874586	0.98775	No change
NM_181400	Wdr47	0	1	-0.192711	6.53526	5.44	No change
NM_181405	Rnpepl1	0	1	-0.0371211	7.13212	6.6145	No change
NM_181406	Rars2	0	1	0.301482	2.65035	3.11466	No change
NM_181410	Gtf2h3	0	1	0.24237	4.18576	4.716	No change
NM_181411	Aftph	0	1	0.106535	35.3658	36.246	No change
NM_181413	Anks1	0	1	0.173976	2.88844	3.10255	No change
NM_181415	Atrnl1	0	1	0.077213	3.3666	3.38071	No change
NM_181420	Fn3krp	0	1	0.190476	5.63592	6.12418	No change
NM_181422	Pkd2l1	0	1	-0.211985	5.79201	4.7558	No change
NM_181423	Supv3l1	0	1	-0.111705	8.83555	7.77986	No change
NM_181444	Gprc5a	0	1	0.824348	0.336518	0.589303	No change
NM_181490	Cldn17	0	1	0.113855	0	0	No change
NM_181540	Tm6sf2	0	1	-1.62311	0.442339	0.101257	No change
NM_181541	Caprin2	0	1	0.243024	7.07483	7.9723	No change
NM_181542	Sifn10-ps	0	1	-0.0466099	0.358626	0.328375	No change
NM_181543	Gpr151	0	1	0.435783	0.469456	0.615477	No change
NM_181546	Syt14	0	1	-0.38091	1.20785	0.870948	No change
NM_181547	Nostrin	0	1	0.476425	0.23141	0.317835	No change
NM_181548	Eras	0	1	-1.47111	0.12942	0	No change
NM_181564	Dsg4	0	1	0.113855	0	0	No change
NM_181569	Nprl3	0	1	-0.103502	12.8794	11.4072	No change
NM_181579	Pof1b	0	1	-1.88615	0.125411	0.0184553	No change
NM_181584	Gab3	0	1	-0.886145	0.491719	0.236377	No change
NM_181588	Cmb1	0	1	-0.108538	3.21351	2.8275	No change
NM_181590	Shq1	0	1	-0.191	5.8486	4.87024	No change
NM_181593	Itpkc	0	1	-0.152127	4.22316	3.61409	No change
NM_181596	Retnlg	0	1	-1.6935	0.687759	0.118077	No change
NM_181650	Prdm4	0	1	-0.0300901	15.1514	14.1237	No change
NM_181680	Dsg1c	0	1	-0.886145	0.30403	0.144546	No change
NM_181729	Muc6	0	1	-0.31678	0.255973	0.193365	No change
NM_181749	Gpr142	0	1	0.698817	0.317363	0.523067	No change
NM_181751	Gpr119	0	1	0.113855	0	0	No change
NM_181752	Gpr135	0	1	-1.02365	0.507227	0.208998	No change
NM_181753	Opn5	0	1	0.113855	0	0	No change
NM_181754	Gpr141	0	1	0.113855	0.0406018	0.041824	No change
NM_181817	Rxfp4	0	1	0.698817	0.0559783	0.115327	No change
NM_181818	Olfir141	0	1	0.113855	0	0	No change
NM_181819	Wfikkn2	0	1	0.224886	0.49311	0.550285	No change
NM_181849	Fgb	0	1	-0.886145	0.132917	0.0456395	No change
NM_181850	Grm3	0	1	-1.30118	0.137967	0.0406058	No change
NM_181852	Pr12c5	0	1	0.113855	0	0	No change
NM_181854	Zfp828	0	1	0.144515	7.25932	7.63886	No change
NM_181989	Sdr16c5	0	1	-1.47111	0.101078	0	No change
NM_182714	Olfir91	0	1	-0.886145	0.0742204	0	No change
NM_182783	Fam167b	0	1	-0.248715	0.590618	0.456299	No change
NM_182805	Gpt	0	1	-0.0787903	1.23456	1.10763	No change
NM_182806	Gpr18	0	1	-0.309953	2.87284	2.19209	No change
NM_182808	Fam19a1	0	1	-0.301183	0.0643122	0.0441655	No change

NM_182839	Tppp	0	1	-0.0216602	1.97167	1.84767	No change
NM_182928	Adm2	0	1	0.698817	0.0666918	0.137399	No change
NM_182929	Rims3	0	1	-2.20807	0.642003	0.073481	No change
NM_182997	Prkab2	0	1	-0.301183	4.17078	3.21804	No change
NM_183000	Accn3	0	1	0.723908	0.64597	1.03509	No change
NM_183017	Ttl12	0	1	0.175694	2.51412	2.70406	No change
NM_183022	Accn4	0	1	-3.05607	0.210394	0	No change
NM_183023	Rims4	0	1	-1.47111	0.418828	0.0862872	No change
NM_183026	Defb14	0	1	-0.623111	1.90072	1.08774	No change
NM_183029	Igf2bp2	0	1	0.698817	0.125122	0.202539	No change
NM_183031	Gpr183	0	1	0.386873	1.68192	2.09858	No change
NM_183035	Defb34	0	1	1.00694	1.69983	3.502	No change
NM_183036	Defb38	0	1	-0.505055	15.2453	10.0956	No change
NM_183039	Defb40	0	1	0.177985	5.87772	6.34298	No change
NM_183087	Fam189a1	0	1	0.298279	0.630374	0.739957	No change
NM_183116	1110021L09Rik	0	1	0.470789	1.37568	1.82198	No change
NM_183126	6030498E09Rik	0	1	-2.20807	0.235449	0	No change
NM_183137	2410002I01Rik	0	1	-0.245395	4.63951	3.72001	No change
NM_183147	Sprn	0	1	2.69882	0	0.113737	No change
NM_183149	Zfp598	0	1	-0.114173	7.23009	6.3557	No change
NM_183152	Plk5	0	1	-0.886145	0.23099	0.101976	No change
NM_183155	BC002230	0	1	-0.043014	6.18365	5.71153	No change
NM_183158	Cyp2ab1	0	1	-1.88615	0.178373	0.026249	No change
NM_183162	BC006779	0	1	-0.0319961	1.06859	0.994236	No change
NM_183163	Rhbdl2	0	1	0.649908	1.08806	1.65172	No change
NM_183168	P2ry6	0	1	-0.543257	1.45421	0.936241	No change
NM_183171	Fez1	0	1	-0.574201	1.5186	0.949764	No change
NM_183173	Ankrd43	0	1	-0.886145	0.0577885	0.0198427	No change
NM_183177	Zfp811	0	1	1.55443	0.191027	0.590332	No change
NM_183178	Fsd1	0	1	-0.301183	0.279091	0.205352	No change
NM_183180	Tspan18	0	1	-0.557522	0.780353	0.497618	No change
NM_183186	Foxn3	0	1	0.24698	7.98092	9.01855	No change
NM_183187	Fam107a	0	1	-0.234068	1.21918	0.981874	No change
NM_183189	Krtap13-1	0	1	0.113855	0	0	No change
NM_183193	Foxi2	0	1	0.113855	0	0	No change
NM_183197	Serpinc9f	0	1	-1.47111	0.0730534	0	No change
NM_183201	Sfn5	0	1	0.16094	2.44373	2.60121	No change
NM_183204	Rnf182	0	1	-2.88615	0.14116	0	No change
NM_183209	Gprn2	0	1	0.85082	0.217654	0.403572	No change
NM_183216	Scd4	0	1	0.037906	0.862087	0.8413	No change
NM_183225	Usp24	0	1	0.0152759	6.36381	6.12197	No change
NM_183249	1100001G20Rik	0	1	0.113855	0	0	No change
NM_183250	Ccdc72	0	1	-0.0582223	64.1131	58.6049	No change
NM_183253	Defa21	0	1	0.113855	0	0	No change
NM_183257	Hamp2	0	1	-1.47111	0.318961	0	No change
NM_183259	2210020M01Rik	0	1	0.376889	4.74505	5.88075	No change
NM_183263	Rnmt1	0	1	-0.164446	2.61582	2.21339	No change
NM_183264	5830405N20Rik	0	1	-1.10854	0.246846	0.0847591	No change
NM_183268	Defa20	0	1	0.113855	0	0	No change
NM_183270	Chchd8	0	1	-0.0342438	10.1949	9.46883	No change
NM_183276	Nbeal2	0	1	0.291853	1.55964	1.81863	No change
NM_183278	Fam25c	0	1	1.11385	0	0.195616	No change
NM_183283	2310010M20Rik	0	1	-0.886145	0.275031	0.113324	No change
NM_183285	Kctd2	0	1	-0.108538	6.3142	5.56929	No change
NM_183286	Dhrs13	0	1	-0.65168	1.31873	0.782126	No change
NM_183288	Arhgap27	0	1	1.35486	0.332188	0.855469	No change
NM_183289	Tcerg11	0	1	-0.301183	0.0813853	0.0558902	No change
NM_183296	Krtap16-10	0	1	-0.886145	0.122268	0	No change
NM_183298	Foxe1	0	1	0.113855	0	0	No change
NM_183309	Gm5111	0	1	-2.47111	0.361478	0	No change
NM_183311	Tmem145	0	1	0.113855	0	0	No change
NM_183312	Synm	0	1	0.127275	4.94167	5.13815	No change
NM_183315	Ctxn1	0	1	0.113855	3.01283	3.10352	No change
NM_183316	Snappc5	0	1	0.0497245	10.4402	10.2828	No change
NM_183321	BC053749	0	1	-0.54911	2.11961	1.36828	No change
NM_183322	Khdc1a	0	1	1.69882	0	0.0736318	No change
NM_183358	Gadd45gip1	0	1	-0.02587	15.6347	14.6149	No change
NM_183389	Duxbl	0	1	0.85082	0.0693462	0.142868	No change
NM_183391	Tnfsf18	0	1	0.698817	0.033766	0.0695649	No change
NM_183392	Nup54	0	1	0.23043	6.00698	6.71116	No change
NM_183424	Qrpf	0	1	-0.65482	1.09542	0.651961	No change
NM_183426	Sbno2	0	1	-0.00465966	4.74633	4.50241	No change
NM_183427	Glra2	0	1	0.113855	0	0	No change
NM_184052	Igf1	0	1	0.21339	0.833494	0.924631	No change
NM_184109	Rtl1	0	1	-0.208073	0.18638	0.15085	No change
NM_194057	Ffar1	0	1	-1.88615	0.231538	0	No change

NM_194058	Nlrp9b	0	1	0.625355	0.958695	1.41693	No change
NM_194059	Nanos3	0	1	-1.00162	1.14564	0.491719	No change
NM_194060	Foxo6	0	1	-0.886145	0.192979	0.085195	No change
NM_194063	Rhox3a	0	1	-2.88615	0.465506	0	No change
NM_194064	Nanos2	0	1	-1.88615	0.145295	0	No change
NM_194262	Arid4b	0	1	0.0938917	10.7879	10.9597	No change
NM_194268	Onecut2	0	1	-2.6935	0.0312268	0	No change
NM_194336	Gbp6	0	1	-0.200781	2.37369	1.96277	No change
NM_194340	C330019G07Rik	0	1	-0.00628982	11.0758	10.497	No change
NM_194346	Rnf31	0	1	0.309775	2.24683	2.65421	No change
NM_194347	AY358078	0	1	0.435783	1.66958	2.16208	No change
NM_194350	Mafa	0	1	1.11385	0	0.0664731	No change
NM_194357	Rya3	0	1	-1.47111	0.191359	0.0394239	No change
NM_194444	Cdk10	0	1	-0.0741349	9.51735	8.60066	No change
NM_197889	Irfz	0	1	0.868742	0.715044	1.27672	No change
NM_197940	Wipf2	0	1	-0.0319961	1.90097	1.769	No change
NM_197943	Sgsm2	0	1	0.0531589	7.80385	7.70697	No change
NM_197944	Hsh2d	0	1	0.113855	0	0	No change
NM_197945	Prosapip1	0	1	-0.00689735	2.25458	2.1346	No change
NM_197980	Cox19	0	1	-0.0267435	12.7297	11.8865	No change
NM_197986	Tmem140	0	1	0.301482	2.85277	3.35061	No change
NM_197992	Pcgf1	0	1	0.300268	2.23273	2.6285	No change
NM_197995	Arl16	0	1	0.397648	3.92733	4.93275	No change
NM_197999	Ces2g	0	1	-0.471108	0.633794	0.426879	No change
NM_198017	Fam175b	0	1	-0.0633189	10.1937	9.28417	No change
NM_198019	Cep78	0	1	-0.340711	6.04242	4.53446	No change
NM_198021	Scyl2	0	1	0.152458	17.9564	18.9992	No change
NM_198023	Rcor1	0	1	-0.0880088	8.01392	7.17382	No change
NM_198027	Alkbh6	0	1	0.457809	5.67868	7.44499	No change
NM_198094	Brd4	0	1	0.28554	4.61898	5.36264	No change
NM_198095	Bst2	0	1	0.361165	11.0999	13.5897	No change
NM_198100	Tbkbp1	0	1	-0.0787903	0.480641	0.430531	No change
NM_198101	Gmip	0	1	-0.124932	1.02986	0.896244	No change
NM_198102	Tra2a	0	1	0.0531526	34.1983	33.7747	No change
NM_198112	Ostn	0	1	0.113855	0	0	No change
NM_198114	Dagla	0	1	0.0195274	0.964865	0.930199	No change
NM_198119	Lrrc24	0	1	-0.788848	1.53734	0.829518	No change
NM_198166	Uts2d	0	1	0.113855	0	0	No change
NM_198169	Gmeb2	0	1	-0.0224109	3.99229	3.74022	No change
NM_198170	Szt2	0	1	0.171062	2.82513	3.02816	No change
NM_198171	Ces2b	0	1	-1.47111	0.0735546	0	No change
NM_198190	Ntf5	0	1	0.658175	0.816575	1.24345	No change
NM_198192	Qrfpr	0	1	0.113855	0	0	No change
NM_198193	Raet1e	0	1	-1.20807	0.218816	0.0563508	No change
NM_198214	Snpb	0	1	0.537663	0.594523	0.826767	No change
NM_198246	Yars2	0	1	-0.100884	4.08409	3.61895	No change
NM_198296	9130011E15Rik	0	1	0.299646	5.0537	5.92474	No change
NM_198297	Tra1	0	1	-0.471108	0.509451	0.314873	No change
NM_198298	Helz	0	1	-0.120412	4.77472	4.17953	No change
NM_198305	Klhl17	0	1	0.244187	6.33572	7.14575	No change
NM_198308	Pdpr	0	1	-0.125436	5.47176	4.77123	No change
NM_198322	Zfp273	0	1	0.218191	3.57323	3.95917	No change
NM_198408	Crhbp	0	1	0.791927	0.165837	0.298951	No change
NM_198410	Paqr6	0	1	0.113855	2.37874	2.45035	No change
NM_198411	Inf2	0	1	0.38037	1.03002	1.27947	No change
NM_198422	Paqr3	0	1	0.342124	3.49732	4.22914	No change
NM_198423	Bahcc1	0	1	0.489364	0.474278	0.635792	No change
NM_198425	Eid2	0	1	0.20027	4.32875	4.73776	No change
NM_198599	Map6d1	0	1	-0.22318	0.489596	0.394697	No change
NM_198604	Plekhg6	0	1	0.698817	0.392441	0.618273	No change
NM_198606	Dcaf13	0	1	0.287186	6.33161	7.36079	No change
NM_198609	Rsl24d1	0	1	0.145448	12.3634	13.0186	No change
NM_198610	Igsf21	0	1	-1.88615	0.104539	0	No change
NM_198613	Ap2s1	0	1	0.145967	27.0737	28.5185	No change
NM_198617	Tspyl3	0	1	0.396255	0.816714	1.02826	No change
NM_198625	Mtss1l	0	1	0.225748	1.82039	2.02765	No change
NM_198626	Al480653	0	1	0.393237	2.59864	3.25379	No change
NM_198627	Vstm2l	0	1	-2.88615	0.357924	0	No change
NM_198631	Zc3h4	0	1	-0.0947318	4.18089	3.7254	No change
NM_198632	Trim67	0	1	0.891462	0.102862	0.187465	No change
NM_198633	Gm5124	0	1	1.69882	0.0353412	0.182026	No change
NM_198634	Tigd3	0	1	-1.60235	0.724938	0.203662	No change
NM_198642	5031414D18Rik	0	1	0.265858	0.446918	0.514534	No change
NM_198647	Tbc1d22b	0	1	-0.26012	2.51541	1.99476	No change
NM_198650	Slc22a20	0	1	1.11385	0	0.0378445	No change
NM_198658	Nr1h5	0	1	-0.0705698	0.589993	0.531785	No change

NM_198661	Oog2	0	1	0.113855	0	0	No change
NM_198662	9430007A20Rik	0	1	0.113855	0	0	No change
NM_198663	C87499	0	1	0.113855	0	0	No change
NM_198664	Tbc1d2	0	1	0.159514	5.01854	5.33638	No change
NM_198669	Prb1	0	1	0.113855	0	0	No change
NM_198674	Fbxw26	0	1	-1.62311	0.34388	0.0787182	No change
NM_198675	Fdxacb1	0	1	-0.187526	4.26332	3.55688	No change
NM_198680	Serpib3b	0	1	0.113855	0	0	No change
NM_198858	Ctf2	0	1	0.85082	0.154873	0.319071	No change
NM_198861	BC046404	0	1	-0.157447	4.88272	4.16127	No change
NM_198864	Slitr3	0	1	1.11385	0.0373488	0.096183	No change
NM_198927	Smgc	0	1	0.113855	0	0	No change
NM_198960	Tcfap2e	0	1	1.11385	0	0.0339117	No change
NM_198961	Vmn2r43	0	1	1.11385	0	0.0252696	No change
NM_198962	Hctr2	0	1	0.113855	0	0	No change
NM_198967	Tmtc1	0	1	-0.0164532	3.66585	3.44934	No change
NM_199008	Cox11	0	1	-0.348879	5.02875	3.75004	No change
NM_199011	Dgkq	0	1	0.243673	4.70753	5.30732	No change
NM_199015	D14Ert668e	0	1	-0.0594768	1.34923	1.22948	No change
NM_199025	Zbtb26	0	1	0.207791	4.31363	4.74336	No change
NM_199027	Zfp335	0	1	0.0906971	4.77328	4.83843	No change
NM_199028	Bend3	0	1	0.243138	1.46322	1.64969	No change
NM_199036	Fbxw15	0	1	-0.14918	0.233087	0.192083	No change
NM_199055	Chst9	0	1	-0.345577	0.509079	0.367083	No change
NM_199056	Ippk	0	1	0.276738	6.27638	7.24116	No change
NM_199058	Gpr6	0	1	0.113855	0	0	No change
NM_199059	Tbpl2	0	1	-0.886145	0.0505388	0	No change
NM_199063	Ssx9	0	1	0.113855	0.115386	0.118859	No change
NM_199064	Ssxb10	0	1	-1.88615	0.238402	0	No change
NM_199065	Slitrk1	0	1	-0.886145	0.0819724	0.033776	No change
NM_199066	Ssxb9	0	1	0.336247	0.397337	0.491158	No change
NM_199067	Defb50	0	1	0.698817	0.186844	0.384938	No change
NM_199068	Foxk1	0	1	-0.209649	2.13403	1.75476	No change
NM_199148	BC051665	0	1	0.113855	0	0	No change
NM_199153	Tas2r102	0	1	0.113855	0	0	No change
NM_199154	Tas2r107	0	1	0.113855	0	0	No change
NM_199155	Tas2r110	0	1	0.113855	0	0	No change
NM_199156	Tas2r130	0	1	0.113855	0	0	No change
NM_199157	Ilnk	0	1	-0.886145	0.254974	0.08755	No change
NM_199158	Tas2r134	0	1	0.113855	0	0	No change
NM_199159	Tas2r135	0	1	0.113855	0.216438	0.222953	No change
NM_199197	Rbfa	0	1	0.265858	9.31668	10.6695	No change
NM_199199	Tmem199	0	1	0.203122	14.5821	15.9832	No change
NM_199201	Cd300h	0	1	-0.0787903	2.172	1.94555	No change
NM_199221	Cd300b	0	1	0.113855	0.0483979	0.0498548	No change
NM_199222	Lman1l	0	1	1.11385	0	0.0413304	No change
NM_199223	Rtn4r12	0	1	-1.47111	0.275902	0.0568416	No change
NM_199225	Cd300c	0	1	1.11385	0	0.104045	No change
NM_199251	Kcnk12	0	1	-1.47111	0.0714067	0	No change
NM_199301	Mtg1	0	1	0.587786	1.52931	2.20549	No change
NM_199303	Bpil3	0	1	0.113855	0	0	No change
NM_199304	Zfp341	0	1	0.980588	0.345871	0.66803	No change
NM_199307	Ece1	0	1	0.102884	3.80591	3.89067	No change
NM_199311	Clec4a1	0	1	-1.26466	0.536788	0.184316	No change
NM_199317	Phf16	0	1	-0.101534	7.69667	6.82479	No change
NM_199319	Ssxb5	0	1	0.28378	0.810383	0.954033	No change
NM_199364	Lzts1	0	1	0.00423032	1.54873	1.4757	No change
NM_199366	Gal3st2	0	1	0.00138008	0.955033	0.908108	No change
NM_199422	S100a7a	0	1	1.11385	0	0.0968839	No change
NM_199448	Fez2	0	1	0.272921	5.90804	6.79967	No change
NM_199465	Nexn	0	1	0.00243353	3.99566	3.80795	No change
NM_199467	Mms22l	0	1	-0.364192	1.20187	0.884323	No change
NM_199468	Zcchc5	0	1	-0.471108	0.0472975	0.0243607	No change
NM_199473	Col8a2	0	1	0.380641	2.04364	2.53614	No change
NM_201226	Lrrc47	0	1	-0.206802	11.6189	9.57918	No change
NM_201236	Rhox4e	0	1	-0.886145	0.0713336	0	No change
NM_201244	Copg	0	1	0.379749	6.5958	8.18597	No change
NM_201255	Krt9	0	1	0.113855	0	0	No change
NM_201256	Eif4ebp3	0	1	0.500878	4.66234	6.29964	No change
NM_201258	Oog3	0	1	0.113855	0	0	No change
NM_201351	Cybas3	0	1	-0.22318	5.15944	4.20172	No change
NM_201354	Ctif	0	1	0.0878596	0.620245	0.6273	No change
NM_201355	Nat14	0	1	-0.886145	0.994378	0.489889	No change
NM_201358	Lym4	0	1	0.209614	4.6462	5.11777	No change
NM_201360	Cyp2d12	0	1	0.113855	0	0	No change
NM_201362	Ccdc68	0	1	0.403361	0.365602	0.47076	No change

NM_201363	Serpinb3c	0	1	0.113855	0	0	No change
NM_201366	Gm1631	0	1	0.113855	0	0	No change
NM_201367	Gpr176	0	1	0.28378	0.124738	0.146849	No change
NM_201369	N4bp2l2	0	1	0.0600568	15.8926	15.7715	No change
NM_201370	Wee2	0	1	-1.01168	0.555418	0.248756	No change
NM_201371	Prmt8	0	1	-0.471108	0.0703614	0.0362398	No change
NM_201373	Trim56	0	1	0.269974	3.33422	3.82938	No change
NM_201376	Serpinb3d	0	1	0.113855	0	0	No change
NM_201406	Pigs	0	1	-0.0363209	7.33905	6.80975	No change
NM_201409	Dub1a	0	1	1.11385	0	0.0510241	No change
NM_201410	Ugt1a6b	0	1	0.0869651	21.3668	21.603	No change
NM_201411	Flrt1	0	1	-0.203885	1.01073	0.832927	No change
NM_201519	Map4k5	0	1	-0.0876757	10.9061	9.7677	No change
NM_201607	Pde4c	0	1	0.616355	0.763938	1.12419	No change
NM_201608	H2-M10.3	0	1	0.113855	0	0	No change
NM_201611	H2-M10.6	0	1	1.69882	0	0.102194	No change
NM_201615	Prhr	0	1	0.113855	0	0	No change
NM_201638	Mettl14	0	1	0.225138	5.60198	6.23556	No change
NM_201640	Cyp4a31	0	1	0.113855	0	0	No change
NM_201641	Ugt1a10	0	1	0.0562895	12.6187	12.4892	No change
NM_201642	Ugt1a7c	0	1	0.0216384	13.6466	13.1857	No change
NM_201643	Ugt1a5	0	1	0.0527663	13.0783	12.9125	No change
NM_201644	Ugt1a9	0	1	0.053838	12.7424	12.5902	No change
NM_201645	Ugt1a1	0	1	0.10202	13.1875	13.4733	No change
NM_203319	Dhx37	0	1	-0.225632	3.11355	2.53115	No change
NM_203320	Cxcl3	0	1	0.113855	0	0	No change
NM_203396	Fam115e	0	1	0.113855	0	0	No change
NM_203489	Vmn1r183	0	1	0.113855	0	0	No change
NM_203490	Mrgprd	0	1	0.113855	0	0	No change
NM_203491	Chrm2	0	1	-1.47111	0.273843	0.0705216	No change
NM_203492	Mrgprg	0	1	0.113855	0	0	No change
NM_203507	Rwdd4a	0	1	-0.107879	8.59357	7.58766	No change
NM_205769	Crh	0	1	0.113855	0	0	No change
NM_205783	Chrm5	0	1	0.599282	0.159663	0.246704	No change
NM_205795	Mrgprb4	0	1	1.11385	0	0.0743178	No change
NM_205810	Mrgprb1	0	1	0.113855	0	0	No change
NM_205819	Tlr11	0	1	-1.53	0.528979	0.15893	No change
NM_205820	Tlr13	0	1	0.544489	0.781311	1.09099	No change
NM_205821	Mrgpra6	0	1	-0.471108	0.385044	0.237981	No change
NM_205822	Omt2b	0	1	0.113855	0	0	No change
NM_205823	Tlr12	0	1	-0.137684	0.526979	0.452369	No change
NM_205844	Gfral	0	1	0.113855	0	0	No change
NM_206535	Cd200r2	0	1	-0.886145	0.0398245	0	No change
NM_206537	Cyp2c54	0	1	0.113855	0	0	No change
NM_206822	Olf10	0	1	0.113855	0	0	No change
NM_206823	Olf153	0	1	0.113855	0	0	No change
NM_206867	Gm13280	0	1	0.113855	0	0	No change
NM_206868	Vmn1r178	0	1	0.113855	0	0	No change
NM_206869	Vmn1r180	0	1	0.113855	0	0	No change
NM_206870	Gm12597	0	1	0.113855	0	0	No change
NM_206871	Ifna6	0	1	0.113855	0	0	No change
NM_206872	Vmn1r177	0	1	0.113855	0	0	No change
NM_206896	Olf12	0	1	0.113855	0	0	No change
NM_206897	Olf16	0	1	0.113855	0	0	No change
NM_206903	Olf13	0	1	0.113855	0	0	No change
NM_206973	Gpr152	0	1	-1.20807	0.0710428	0.0182954	No change
NM_206975	Ifna14	0	1	0.113855	0	0	No change
NM_207000	H2afy2	0	1	0.225965	3.57587	3.98421	No change
NM_207008	Olf1773	0	1	-0.886145	0.0744583	0	No change
NM_207011	Tas2r104	0	1	0.113855	0	0	No change
NM_207016	Tas2r106	0	1	0.113855	0	0	No change
NM_207017	Tas2r109	0	1	0.113855	0	0	No change
NM_207018	Tas2r113	0	1	0.113855	0	0	No change
NM_207019	Tas2r114	0	1	0.113855	0	0	No change
NM_207020	Tas2r115	0	1	0.113855	0	0	No change
NM_207021	Tas2r117	0	1	-0.886145	0.0701842	0	No change
NM_207022	Tas2r118	0	1	0.113855	0	0	No change
NM_207023	Tas2r120	0	1	0.113855	0	0	No change
NM_207024	Tas2r121	0	1	0.113855	0	0	No change
NM_207025	Tas2r123	0	1	-0.886145	0.0695538	0	No change
NM_207026	Tas2r124	0	1	0.113855	0	0	No change
NM_207027	Tas2r125	0	1	0.113855	0	0	No change
NM_207028	Tas2r126	0	1	0.698817	0.0751812	0.154889	No change
NM_207029	Tas2r129	0	1	0.113855	0	0	No change
NM_207030	Tas2r131	0	1	0.113855	0	0	No change
NM_207031	Ano7	0	1	1.11385	0.0433279	0.111581	No change

NM_207131	Cebpe	0	1	-1.47111	0.11259	0	No change
NM_207132	Olfr1471	0	1	0.113855	0	0	No change
NM_207133	Olfr741	0	1	0.113855	0	0	No change
NM_207134	Olfr1061	0	1	0.113855	0	0	No change
NM_207135	Olfr1084	0	1	0.113855	0	0	No change
NM_207136	Olfr1349	0	1	1.11385	0.0730534	0.225758	No change
NM_207137	Olfr417	0	1	0.113855	0	0	No change
NM_207138	Olfr149	0	1	0.113855	0	0	No change
NM_207139	Olfr936	0	1	0.113855	0	0	No change
NM_207140	Olfr1212	0	1	0.113855	0	0	No change
NM_207141	Olfr955	0	1	0.113855	0	0	No change
NM_207142	Olfr1036	0	1	-0.471108	0.137326	0.07073	No change
NM_207143	Olfr594	0	1	0.113855	0	0	No change
NM_207144	Olfr645	0	1	0.113855	0	0	No change
NM_207145	Olfr845	0	1	0.113855	0	0	No change
NM_207146	Olfr670	0	1	1.69882	0	0.152909	No change
NM_207147	Olfr813	0	1	0.113855	0	0	No change
NM_207149	Olfr1010	0	1	-0.886145	0.0738273	0	No change
NM_207150	Olfr1313	0	1	-0.886145	0.0744583	0	No change
NM_207151	Olfr1308	0	1	0.113855	0	0	No change
NM_207152	Olfr1338	0	1	0.661343	1.8496	2.81982	No change
NM_207153	Olfr325	0	1	-2.47111	0.33474	0	No change
NM_207154	Olfr1102	0	1	0.113855	0	0	No change
NM_207155	Olfr117	0	1	0.113855	0	0	No change
NM_207156	Olfr747	0	1	0.113855	0	0	No change
NM_207157	Olfr1333	0	1	-0.886145	0.0730534	0	No change
NM_207158	Olfr427	0	1	0.113855	0	0	No change
NM_207159	Olfr814	0	1	0.113855	0	0	No change
NM_207160	Olfr519	0	1	0.113855	0	0	No change
NM_207161	BC048355	0	1	0.0313927	2.20547	2.14205	No change
NM_207175	Olfr239	0	1	0.113855	0	0	No change
NM_207201	Olfr8	0	1	0.113855	0	0	No change
NM_207203	BC068157	0	1	-0.933451	0.452944	0.217737	No change
NM_207208	Cica6	0	1	0.113855	0.0697394	0.0718389	No change
NM_207212	Wtip	0	1	0.113855	3.20509	3.30158	No change
NM_207216	Ugt3a1	0	1	1.17275	0.341024	0.766452	No change
NM_207219	Al314976	0	1	0.219942	15.2281	16.8883	No change
NM_207221	Jmjd1c	0	1	-0.0615732	14.7335	13.4383	No change
NM_207222	Lmo3	0	1	-0.886145	0.0331713	0	No change
NM_207223	Acap3	0	1	-0.307283	1.26068	0.965649	No change
NM_207224	Olfr384	0	1	0.113855	0	0	No change
NM_207225	Hdac4	0	1	0.0939553	5.14868	5.23077	No change
NM_207227	Olfr1373	0	1	0.113855	0	0	No change
NM_207230	Olfr320	0	1	0.113855	0	0	No change
NM_207231	Arl5c	0	1	1.11385	0.446463	0.965798	No change
NM_207233	C1ql2	0	1	0.113855	0	0	No change
NM_207235	Olfr358	0	1	0.113855	0	0	No change
NM_207236	Olfr1283	0	1	-1.88615	0.227755	0	No change
NM_207240	Olfr1320	0	1	0.113855	0	0	No change
NM_207242	Npc111	0	1	0.620815	0.274442	0.408349	No change
NM_207243	Muc19	0	1	0.113855	0	0	No change
NM_207244	Cd200r4	0	1	3.11385	0	0.29561	No change
NM_207246	Rasgrp3	0	1	0.656997	0.507727	0.769134	No change
NM_207247	Pglyrp3	0	1	0.113855	0	0	No change
NM_207249	Olfr684	0	1	0.113855	0	0	No change
NM_207253	Olfr1371	0	1	-1.20807	0.297833	0.0766998	No change
NM_207254	Olfr1286	0	1	-1.88615	0.227755	0	No change
NM_207260	Ankrd34c	0	1	0.113855	0	0	No change
NM_207261	Kcnk18	0	1	0.113855	0	0	No change
NM_207262	Abpe	0	1	0.113855	0	0	No change
NM_207271	Tdpoz3	0	1	-0.886145	0.0634726	0	No change
NM_207272	Tdpoz4	0	1	0.113855	0	0	No change
NM_207273	Tdpoz5	0	1	-0.886145	0.068126	0	No change
NM_207277	A930005I04Rik	0	1	-0.0496439	0.673723	0.616893	No change
NM_207278	Tigd4	0	1	-0.0787903	0.141038	0.124529	No change
NM_207280	Ccdc121	0	1	0.113855	0.191569	0.197336	No change
NM_207281	4832428D23Rik	0	1	-0.471108	0.0438183	0.0225687	No change
NM_207298	Cercam	0	1	-0.572037	0.924105	0.581732	No change
NM_207301	Wrb	0	1	0.255707	7.57837	8.61607	No change
NM_207522	BC067068	0	1	-0.0247504	4.44339	4.15465	No change
NM_207531	Agr3	0	1	-2.6935	0.510571	0	No change
NM_207537	Mrgprb3	0	1	1.11385	0	0.0764547	No change
NM_207538	Mrgprb5	0	1	1.69882	0	0.148175	No change
NM_207539	Mrgprb8	0	1	-3.20807	0.558536	0	No change
NM_207540	Mrgprx1	0	1	0.113855	0	0	No change
NM_207543	Vmn1r59	0	1	0.113855	0	0	No change

NM_207544	Vmn1r64	0	1	0.113855	0	0	No change
NM_207545	Vmn1r179	0	1	0.113855	0	0	No change
NM_207547	Vmn1r93	0	1	-0.886145	0.0721459	0	No change
NM_207548	Vmn1r174	0	1	0.113855	0	0	No change
NM_207549	Olfr192	0	1	-1.88615	0.226031	0	No change
NM_207551	Olfr209	0	1	0.113855	0	0	No change
NM_207552	Olfr250	0	1	0.113855	0	0	No change
NM_207553	Olfr251	0	1	-0.886145	0.073984	0	No change
NM_207554	Olfr257	0	1	-1.47111	0.145194	0	No change
NM_207555	Olfr372	0	1	0.113855	0	0	No change
NM_207556	Olfr592	0	1	0.113855	0	0	No change
NM_207557	Olfr681	0	1	-1.47111	0.147032	0	No change
NM_207558	Olfr750	0	1	1.11385	0	0.0634196	No change
NM_207559	Olfr776	0	1	0.113855	0	0	No change
NM_207560	Olfr924	0	1	-2.47111	0.375906	0	No change
NM_207561	Olfr1040	0	1	0.113855	0	0	No change
NM_207562	Olfr1051	0	1	0.113855	0	0	No change
NM_207563	Olfr1057	0	1	0.113855	0	0	No change
NM_207564	Olfr1083-ps	0	1	0.113855	0	0	No change
NM_207565	Olfr1113	0	1	0.113855	0	0	No change
NM_207566	Olfr1173	0	1	0.113855	0	0	No change
NM_207567	Olfr1198	0	1	0.113855	0	0	No change
NM_207568	Olfr1252	0	1	0.113855	0	0	No change
NM_207571	Olfr1355	0	1	0.113855	0	0	No change
NM_207572	Olfr1535	0	1	0.113855	0	0	No change
NM_207573	Olfr1380	0	1	0.113855	0	0	No change
NM_207574	Olfr1383	0	1	1.11385	0	0.0766998	No change
NM_207575	Olfr1480	0	1	0.113855	0	0	No change
NM_207583	Fam5b	0	1	1.43578	0.0509824	0.157552	No change
NM_207618	V1rd18	0	1	-2.20807	0.240944	0	No change
NM_207619	V1rd19	0	1	-2.20807	0.303673	0	No change
NM_207620	Olfr774	0	1	0.113855	0	0	No change
NM_207621	Olfr553	0	1	0.113855	0	0	No change
NM_207622	Olfr403	0	1	0.113855	0	0	No change
NM_207626	Olfr1434	0	1	0.113855	0	0	No change
NM_207631	Olfr1321	0	1	0.113855	0	0	No change
NM_207632	Olfr1118	0	1	0.113855	0	0	No change
NM_207636	Fndc3a	0	1	-0.082569	38.447	34.5617	No change
NM_207648	H2-Q6	0	1	0.296508	11.5089	13.4654	No change
NM_207658	Defa22	0	1	0.113855	0	0	No change
NM_207664	Olfr151	0	1	0.113855	0	0	No change
NM_207665	Olfr1537-ps1	0	1	0.113855	0	0	No change
NM_207666	Dlk2	0	1	0.757711	0.682372	1.12466	No change
NM_207673	Olfr100	0	1	0.113855	0	0	No change
NM_207674	Olfr1082	0	1	0.113855	0	0	No change
NM_207677	Dedd2	0	1	0.28378	5.14691	5.96949	No change
NM_207678	Ccnl2	0	1	0.123173	13.1852	13.6703	No change
NM_207693	Olfr179	0	1	0.113855	0	0	No change
NM_207694	Olfr220	0	1	0.113855	0	0	No change
NM_207695	Olfr224	0	1	0.113855	0	0	No change
NM_207703	Olfr1335	0	1	0.113855	0	0	No change
NM_212436	Olfr301	0	1	-0.886145	0.0744583	0	No change
NM_212447	Marveld3	0	1	0.639924	1.21912	1.8314	No change
NM_212450	Ctdspl2	0	1	0.033405	9.03171	8.79815	No change
NM_212452	Rxfp1	0	1	-0.886145	0.0306074	0	No change
NM_212483	Krt42	0	1	0.113855	0	0	No change
NM_212487	Krt78	0	1	-1.26466	0.24354	0.0836237	No change
NM_213615	A530032D15Rik	0	1	-0.638218	1.22755	0.734226	No change
NM_213721	Olfr118	0	1	0.113855	0	0	No change
NM_213728	Krt72-ps	0	1	0.113855	0	0	No change
NM_213730	Krt39	0	1	-0.886145	0.0480973	0	No change
NM_213733	Npepl1	0	1	0.16935	3.35669	3.59468	No change
NR_000002	Snord32a	0	1	0.336247	9.46447	11.522	No change
NR_000003	Snord35a	0	1	1.43578	0.783067	3.22656	No change
NR_000004	Snord35b	0	1	1.11385	1.62077	4.17389	No change
NR_000040	Tyms-ps	0	1	0.113855	0.620873	0.639563	No change
NR_001277	Snord33	0	1	1.69882	0	1.751	No change
NR_001461	Kcnq1ot1	0	1	0.0182557	3.84227	3.70411	No change
NR_001462	G6b	0	1	-0.371572	0.360481	0.247555	No change
NR_001463	Xist	0	1	0.519111	0.140024	0.192319	No change
NR_001579	Terc	0	1	-0.623111	1.57994	0.904168	No change
NR_001592	H19	0	1	-1.56422	0.399768	0.109814	No change
NR_002167	E530001F21Rik	0	1	0.113855	0	0	No change
NR_002172	Snord15a	0	1	0.297301	27.3121	32.0149	No change
NR_002321	Tug1	0	1	0.100931	24.8418	25.3613	No change
NR_002445	BC002163	0	1	0.113855	42.0462	43.3119	No change

NR_002452	Nctc1	0	1	0.113855	0	0	No change
NR_002455	Snord34	0	1	0.3065	6.33572	7.61419	No change
NR_002687	Gm5424	0	1	0.000701148	23.201	22.0931	No change
NR_002690	LOC654426	0	1	0.0468206	139.062	136.737	No change
NR_002839	Dlx6as	0	1	-2.47111	0.257359	0	No change
NR_002844	Tsix	0	1	1.26586	0.129481	0.316774	No change
NR_002848	6430411K18Rik	0	1	-0.14918	0.26459	0.218044	No change
NR_002849	8430431K14Rik	0	1	-1.26466	0.293033	0.100618	No change
NR_002851	Snord82	0	1	-1.47111	5.12448	1.05575	No change
NR_002853	Airn	0	1	0.410837	2.01493	2.56396	No change
NR_002854	Dlx1as	0	1	-0.886145	0.0249527	0	No change
NR_002855	Igf2as	0	1	1.11385	0	0.0150253	No change
NR_002857	Psg-ps1	0	1	0.113855	0	0	No change
NR_002858	Gm4956	0	1	1.11385	0.182124	0.43775	No change
NR_002859	Olfr75-ps1	0	1	0.113855	0	0	No change
NR_002861	Serpina4-ps1	0	1	-0.471108	0.10302	0.0530606	No change
NR_002865	Rnu11	0	1	0.94393	5.16244	9.97097	No change
NR_002867	Pax6os1	0	1	-1.88615	0.142813	0	No change
NR_002868	Gm5476	0	1	0.113855	0	0	No change
NR_002869	Gm5477	0	1	-1.47111	0.194402	0	No change
NR_002870	Dnm3os	0	1	-0.341149	1.06368	0.796873	No change
NR_002871	Vax2os2	0	1	-0.886145	0.0485665	0	No change
NR_002872	Gm6042	0	1	0.113855	0	0	No change
NR_002874	Has2as	0	1	0.113855	0	0	No change
NR_002878	Defa-ps12	0	1	1.11385	0	0.427327	No change
NR_002879	Defb44-ps	0	1	0.113855	0	0	No change
NR_002881	Defa-ps13	0	1	0.113855	0	0	No change
NR_002895	Snord116	0	1	0.113855	0	0	No change
NR_002897	Snora64	0	1	-0.41666	7.14799	4.90878	No change
NR_002898	Snora65	0	1	0.113855	0.590618	0.608398	No change
NR_002900	Snora69	0	1	0.698817	0.571254	1.1769	No change
NR_002902	Snora62	0	1	1.11385	0	0.560867	No change
NR_002903	Snord61	0	1	0.113855	0	0	No change
NR_002928	Gm1943	0	1	-0.177911	4.39901	3.68989	No change
NR_003100	4930515G16Rik	0	1	-1.88615	0.448667	0	No change
NR_003145	Shhg10	0	1	0.418709	2.10791	2.71421	No change
NR_003146	Defa-ps1	0	1	-1.47111	0.494276	0	No change
NR_003185	Spr2j-ps	0	1	0.113855	0	0	No change
NR_003188	Kis2	0	1	0.113855	0	0	No change
NR_003202	Pinc	0	1	0.113855	0	0	No change
NR_003243	Fate1	0	1	1.49237	0.668696	1.91341	No change
NR_003247	Ceacam-ps1	0	1	0.113855	0	0	No change
NR_003282	Gm11194	0	1	0.476425	0.249795	0.336489	No change
NR_003283	Gm11202	0	1	-0.886145	0.0318669	0	No change
NR_003293	D030028A08Rik	0	1	0.177985	1.06269	1.1456	No change
NR_003364	BC018473	0	1	0.113855	0	0	No change
NR_003492	2210409E12Rik	0	1	-3.05607	1.4789	0	No change
NR_003519	Pisd-ps2	0	1	0.205195	7.13355	7.83174	No change
NR_003548	Spr2g	0	1	0.113855	0	0	No change
NR_003552	Cyp2d13	0	1	0.113855	0	0	No change
NR_003564	Gm15698	0	1	-0.886145	0.0860407	0	No change
NR_003568	Gpr137b-ps	0	1	0.278914	4.6699	5.39653	No change
NR_003619	6330549D23Rik	0	1	-0.225632	3.0312	2.46242	No change
NR_003620	E330021D16Rik	0	1	-0.886145	0.00833349	0	No change
NR_003622	Gm5065	0	1	0.113855	0.00687239	0.00707928	No change
NR_003623	Gm5069	0	1	0.247121	0.583856	0.661576	No change
NR_003624	Gm10319	0	1	0.113855	0	0	No change
NR_003627	D030018L15Rik	0	1	-1.47111	0.0560593	0.0115494	No change
NR_003630	Gm6498	0	1	-0.793036	0.610195	0.314282	No change
NR_003631	Gm6578	0	1	0.64437	0.0554053	0.0856098	No change
NR_003632	Gm6787	0	1	0.988324	0.239659	0.493748	No change
NR_003633	Meg3	0	1	-0.129002	0.427115	0.370834	No change
NR_003647	Gm5039	0	1	0.113855	0	0	No change
NR_003649	Gm5434	0	1	-0.985681	1.3929	0.6432	No change
NR_003681	Snora15	0	1	1.52889	3.00401	9.28332	No change
NR_003960	Gm5478	0	1	1.69882	0	0.0485074	No change
NR_003967	Gm4759	0	1	-0.085454	0.676412	0.603871	No change
NR_004051	Btnl5	0	1	0.113855	0	0	No change
NR_004052	Gm9079	0	1	-0.35563	0.670124	0.487269	No change
NR_004410	Snord87	0	1	0.698817	0.941796	1.9403	No change
NR_004417	Snord73a	0	1	-0.886145	3.07469	1.05575	No change
NR_004418	Rnu73b	0	1	0.113855	6.87113	7.07798	No change
NR_004433	Gm8234	0	1	-0.14918	0.174232	0.143582	No change
NR_004434	Rprl1	0	1	1.11385	0	0.0859772	No change
NR_004438	Apoo-ps	0	1	0.92121	1.76886	3.27979	No change
NR_004439	Rprl2	0	1	0.113855	0	0	No change

NR_004443	Nphs1as	0	1	0.113855	0	0	No change
NR_004444	Zfx2as	0	1	-0.0787903	0.420343	0.375264	No change
NR_004447	Gm5523	0	1	1.11385	0.391848	0.864951	No change
NR_004853	Cdk3-ps	0	1	-0.301183	0.146516	0.100618	No change
NR_004857	LOC100134990	0	1	0.234149	1.95817	2.20049	No change
NR_006883	Rhox3-ps	0	1	-2.20807	0.0703436	0	No change
NR_015347	Gm4850	0	1	0.113855	0	0	No change
NR_015348	Hoxa11as	0	1	0.528892	0.0757944	0.117114	No change
NR_015349	Etohd2	0	1	-0.0648511	6.84703	6.22875	No change
NR_015351	lpw	0	1	0.113855	0	0	No change
NR_015372	Gm12166	0	1	0.342124	12.4061	15.0348	No change
NR_015373	Gm5485	0	1	-0.886145	0.110976	0	No change
NR_015385	Six3os1	0	1	0.113855	0	0	No change
NR_015464	A330069E16Rik	0	1	-0.208073	0.312524	0.241449	No change
NR_015465	C920009B18Rik	0	1	0.85082	0.0308717	0.0636022	No change
NR_015466	7530420F21Rik	0	1	0.113855	0.190418	0.19615	No change
NR_015468	2900079G21Rik	0	1	0.113855	0	0	No change
NR_015469	2810442I21Rik	0	1	1.11385	0.0444329	0.114426	No change
NR_015470	2610203C22Rik	0	1	0.805733	1.39946	2.3642	No change
NR_015471	3830408C21Rik	0	1	0.3065	0.477349	0.567368	No change
NR_015477	2310050B05Rik	0	1	-0.886145	2.41076	1.12879	No change
NR_015478	5730422E09Rik	0	1	-0.322244	0.881175	0.660147	No change
NR_015481	D430019H16Rik	0	1	-0.6935	0.413199	0.212819	No change
NR_015482	LOC100043315	0	1	-1.88615	0.207832	0	No change
NR_015487	A930005H10Rik	0	1	0.232499	3.7792	4.23647	No change
NR_015488	A930003A15Rik	0	1	0.113855	0	0	No change
NR_015489	2900041M22Rik	0	1	1.11385	0.0518549	0.160248	No change
NR_015492	C230035I16Rik	0	1	0.403361	0.903636	1.16355	No change
NR_015495	A230056P14Rik	0	1	-0.258114	2.13295	1.68619	No change
NR_015498	1500004A13Rik	0	1	-0.228251	6.8944	5.59847	No change
NR_015500	A530013C23Rik	0	1	1.57329	0.0977004	0.335472	No change
NR_015501	4833422C13Rik	0	1	0.196317	0.813249	0.888502	No change
NR_015503	A330040F15Rik	0	1	0.461778	0.630135	0.843836	No change
NR_015504	2410018L13Rik	0	1	-0.734142	0.396264	0.204097	No change
NR_015506	4833418N02Rik	0	1	-0.574201	2.5964	1.64228	No change
NR_015507	C130036L24Rik	0	1	0.85082	0.770696	1.36097	No change
NR_015510	4632427E13Rik	0	1	0.416039	10.6258	13.5212	No change
NR_015511	E030011O05Rik	0	1	-0.0877791	2.00949	1.78772	No change
NR_015513	E130114P18Rik	0	1	0.113855	0	0	No change
NR_015514	9330175E14Rik	0	1	1.11385	0.090628	0.233391	No change
NR_015515	6430562O15Rik	0	1	0.751285	1.05289	1.7103	No change
NR_015517	5930412G12Rik	0	1	1.22933	0.144892	0.358209	No change
NR_015519	Al662270	0	1	0.92121	0.544476	1.01976	No change
NR_015522	2810429I04Rik	0	1	-0.471108	0.238266	0.12272	No change
NR_015525	9430060I03Rik	0	1	0.435783	1.95907	2.53329	No change
NR_015526	A830082N09Rik	0	1	0.389489	0.887808	1.11776	No change
NR_015530	9530026P05Rik	0	1	0.427963	2.52155	3.24683	No change
NR_015537	9230114K14Rik	0	1	-0.454429	1.38201	0.949078	No change
NR_015538	Gm2518	0	1	-0.0985535	4.69682	4.17187	No change
NR_015539	9630013A20Rik	0	1	-0.208073	0.135589	0.104753	No change
NR_015542	E430016F16Rik	0	1	-0.886145	0.0225471	0	No change
NR_015543	2810055G20Rik	0	1	0.136339	4.20237	4.39723	No change
NR_015544	9630028H03Rik	0	1	2.69882	0	0.156886	No change
NR_015545	4930481A15Rik	0	1	0.393963	4.13657	5.18149	No change
NR_015546	C130026L21Rik	0	1	0.113855	0	0	No change
NR_015548	5830432E09Rik	0	1	0.0398542	1.81929	1.77796	No change
NR_015551	1700012B15Rik	0	1	-0.201019	6.5601	5.41945	No change
NR_015552	5330434G04Rik	0	1	0.113855	0	0	No change
NR_015553	9430076C15Rik	0	1	0.85082	0.115043	0.213311	No change
NR_015554	Al506816	0	1	0.698817	0.0286684	0.0590629	No change
NR_015556	2610035D17Rik	0	1	0.310892	3.05472	3.61286	No change
NR_015557	F730016J06Rik	0	1	-0.886145	0.0265396	0	No change
NR_015558	5031425F14Rik	0	1	0.528892	0.0851992	0.131646	No change
NR_015561	C130071C03Rik	0	1	1.11385	0	0.0524788	No change
NR_015562	9530036O11Rik	0	1	1.17275	0.262004	0.588853	No change
NR_015565	A530053G22Rik	0	1	1.11385	0	0.0495794	No change
NR_015567	A930007I19Rik	0	1	-0.886145	0.631658	0.309845	No change
NR_015577	2210015D19Rik	0	1	0.129622	3.40889	3.55053	No change
NR_015582	C330024D21Rik	0	1	-3.05607	0.201789	0	No change
NR_015583	BC024386	0	1	-0.886145	0.0431803	0	No change
NR_015586	A330035P11Rik	0	1	0.137702	3.05919	3.20424	No change
NR_015587	9330111N05Rik	0	1	-2.05607	0.396264	0.0510241	No change
NR_015588	4932441J04Rik	0	1	-0.471108	0.191992	0.0988856	No change
NR_015589	9330158H04Rik	0	1	0.113855	0.0224599	0.023136	No change
NR_015591	5430405H02Rik	0	1	-0.354532	4.61848	3.42541	No change
NR_015593	D130009I18Rik	0	1	-1.88615	0.0786011	0	No change

NR_015595	2410137F16Rik	0	1	-0.886145	0.0207543	0	No change
NR_015596	4930442L01Rik	0	1	-0.0708617	22.8685	20.7217	No change
NR_015598	2810047C21Rik1	0	1	0.576198	1.86526	2.66378	No change
NR_015599	A330076H08Rik	0	1	0.698817	0.341632	0.547426	No change
NR_015600	A230072E10Rik	0	1	0.578523	1.03798	1.48383	No change
NR_015602	F730043M19Rik	0	1	-1.05607	0.359474	0.138861	No change
NR_015604	E130112N10Rik	0	1	-0.767501	1.75393	0.956504	No change
NR_015605	2900052N01Rik	0	1	-2.20807	0.242645	0.0277721	No change
NR_015609	C86187	0	1	0.113855	0.0690029	0.0710802	No change
NR_015610	9530059O14Rik	0	1	0.198744	0.560627	0.613598	No change
NR_015611	2700086A05Rik	0	1	-0.471108	0.918111	0.60184	No change
NR_015615	4732416N19Rik	0	1	0.0336845	4.55344	4.42993	No change
NR_015618	A930015D03Rik	0	1	0.579518	1.7445	2.51583	No change
NR_023846	Apeg3	0	1	0.059407	2.09482	2.07488	No change
NR_024067	Shhg6	0	1	0.464352	13.5276	17.8155	No change
NR_024078	Btbd19	0	1	0.599282	0.91879	1.33616	No change
NR_024085	BC006965	0	1	-0.471108	0.0714067	0.0367782	No change
NR_024198	Rprl3	0	1	0.113855	0	0	No change
NR_024201	Rnu7	0	1	-0.14918	2.45786	2.10593	No change
NR_024257	4930412O13Rik	0	1	-0.083182	5.65964	5.08349	No change
NR_024325	9130024F11Rik	0	1	1.11385	0.0373889	0.0962862	No change
NR_024328	9230116N13Rik	0	1	0.32798	0.79763	0.958582	No change
NR_024509	Tmem80	0	1	-0.0270077	4.18756	3.9028	No change
NR_024513	Gm5	0	1	-1.47111	0.297198	0	No change
NR_024599	Gm11346	0	1	-1.20807	0.25002	0.0643865	No change
NR_026561	Gm8884	0	1	0.113855	0.181492	0.186956	No change
NR_026688	2010001M06Rik	0	1	0.366242	9.33885	11.4866	No change
NR_026733	3110039M20Rik	0	1	0.113855	0	0	No change
NR_026741	LOC100270707	0	1	1.59928	0.148441	0.496956	No change
NR_026831	Krtap12-4	0	1	0.113855	0	0	No change
NR_026843	BC024582	0	1	-0.564217	0.293709	0.172886	No change
NR_026848	C030034I22Rik	0	1	0.258245	0.939053	1.0719	No change
NR_026853	A930012L18Rik	0	1	1.03985	0.265328	0.546632	No change
NR_026942	E330013P04Rik	0	1	0.205485	2.02009	2.21962	No change
NR_026944	Gm10941	0	1	-1.6935	1.96042	0.504859	No change
NR_027137	Gm10565	0	1	0.628428	0.792866	1.18427	No change
NR_027236	Al854703	0	1	-0.0381483	0.175549	0.160741	No change
NR_027298	A230020J21Rik	0	1	-0.886145	1.56376	0.783649	No change
NR_027316	Pdxk-ps	0	1	0.177985	0.624915	0.674381	No change
NR_027362	A930003O13Rik	0	1	-0.973608	0.571546	0.257579	No change
NR_027376	Gm5468	0	1	-0.623111	0.0967286	0.0498202	No change
NR_027377	LOC100045653	0	1	-0.741755	1.00571	0.559992	No change
NR_027448	AA543186	0	1	0.0799075	1.72589	1.73551	No change
NR_027452	LOC100272221	0	1	-0.0560702	0.84326	0.766452	No change
NR_027478	Gm8580	0	1	1.11385	0	0.117497	No change
NR_027619	Mug-ps1	0	1	0.113855	0	0	No change
NR_027637	Gm4489	0	1	-0.886145	0.134025	0	No change
NR_027658	Gm8883	0	1	1.11385	0	0.0704524	No change
NR_027707	Gm5166	0	1	-3.05607	0.626453	0	No change
NR_027797	Gm11961	0	1	0.113855	0	0	No change
NR_027799	Tbrg3	0	1	-0.237	3.51129	2.83421	No change
NR_027800	Gm16516	0	1	-0.108538	1.48517	1.30323	No change
NR_027802	Mtag2	0	1	1.11385	0.486683	1.10293	No change
NR_027805	A430093F15Rik	0	1	-0.886145	0.0988552	0.0339437	No change
NR_027806	Pea15b	0	1	0.113855	0	0	No change
NR_027808	Zfp862	0	1	-0.0560702	1.11709	1.02156	No change
NR_027813	Zp4-ps	0	1	0.113855	0	0	No change
NR_027819	1810032O08Rik	0	1	-0.0737722	3.22279	2.90484	No change
NR_027824	Gm13749	0	1	0.113855	0	0	No change
NR_027831	2810002D19Rik	0	1	-0.132306	2.35131	2.03456	No change
NR_027846	D630029K05Rik	0	1	0.435783	0.228501	0.302632	No change
NR_027858	Nlrp1c-ps	0	1	-0.248715	0.705598	0.560705	No change
NR_027860	Gm9199	0	1	0.113855	0.0541094	0.0557383	No change
NR_027864	Tardbp	0	1	0.104779	21.1589	21.6591	No change
NR_027865	1700054K19Rik	0	1	-1.88615	0.463589	0	No change
NR_027871	Cts8-ps	0	1	0.113855	0.016511	0.017008	No change
NR_027874	0610040B10Rik	0	1	-0.596639	5.54376	3.42639	No change
NR_027881	6530411M01Rik	0	1	-3.20807	0.51455	0	No change
NR_027887	9430008C03Rik	0	1	0.378618	3.2713	4.0535	No change
NR_027890	5031426D15Rik	0	1	-0.115171	1.2501	1.09696	No change
NR_027893	BB123696	0	1	0.757711	0.452944	0.746527	No change
NR_027897	0610012G03Rik	0	1	0.0336845	12.2235	11.9082	No change
NR_027900	Shhg9	0	1	0.554427	4.95086	7.06141	No change
NR_027903	1700086O06Rik	0	1	0.64437	1.92067	2.88294	No change
NR_027907	Al414108	0	1	-0.614066	0.745839	0.45802	No change
NR_027919	Bambi-ps1	0	1	-0.471108	0.114721	0.0590872	No change

NR_027920	Msx1as	0	1	0.461778	0.318523	0.426546	No change
NR_027955	4931440P22Rik	0	1	0.549954	0.599832	0.849597	No change
NR_027963	Zfp783	0	1	0.0607435	2.60461	2.58545	No change
NR_027964	Gm10416	0	1	0.492366	0.977004	1.34189	No change
NR_027965	2310061J03Rik	0	1	0.268577	2.68447	3.08435	No change
NR_027970	0610008F07Rik	0	1	0.113855	0	0	No change
NR_027971	2610204G22Rik	0	1	0.258245	1.29194	1.4787	No change
NR_027973	5730522E02Rik	0	1	-1.47111	0.0917012	0	No change
NR_027974	3110070M22Rik	0	1	-1.37157	1.66818	0.5728	No change
NR_027975	Gm5607	0	1	0.113855	0	0	No change
NR_027987	C030016D13Rik	0	1	0.805733	0.322279	0.553302	No change
NR_027989	Gm9871	0	1	1.11385	0	0.0460199	No change
NR_027993	Gm3414	0	1	0.000774761	3.96383	3.77465	No change
NR_028021	Ppifos	0	1	0.113855	1.37268	1.414	No change
NR_028023	Gm4566	0	1	-0.6935	0.786011	0.404836	No change
NR_028030	Gm9767	0	1	0.113855	0	0	No change
NR_028061	Gm8615	0	1	-0.195629	6.78367	5.63203	No change
NR_028079	Snora3	0	1	-0.523575	7.55007	4.78606	No change
NR_028086	Ncrna00086	0	1	-0.128506	4.38993	3.81917	No change
NR_028091	Snord72	0	1	2.11385	0	3.58955	No change
NR_028113	0610039K10Rik	0	1	-0.6935	0.439703	0.22647	No change
NR_028122	2310001K24Rik	0	1	-1.47111	0.303673	0	No change
NR_028123	1600029I14Rik	0	1	0.476425	0.483979	0.664731	No change
NR_028124	2310068J16Rik	0	1	0.751285	1.0569	1.72913	No change
NR_028125	0610038B21Rik	0	1	0.599282	0.183041	0.282827	No change
NR_028126	6330407A03Rik	0	1	0.354863	0.378149	0.46744	No change
NR_028128	Snord68	0	1	1.11385	0	1.49565	No change
NR_028129	LOC100302567	0	1	1.69882	0	1.52747	No change
NR_028261	Rian	0	1	0.354863	1.05153	1.28377	No change
NR_028263	B130006D01Rik	0	1	0.497998	1.26794	1.71145	No change
NR_028264	Dleu2	0	1	-0.457302	2.09819	1.4409	No change
NR_028266	BC037032	0	1	0.579518	0.618219	0.88535	No change
NR_028267	Fcho1	0	1	0.791927	0.492095	0.823727	No change
NR_028271	Phxr4	0	1	0.651512	1.51506	2.28899	No change
NR_028278	Gm8801	0	1	-0.464505	4.03151	2.76859	No change
NR_028281	Snord43	0	1	-1.20807	5.80774	1.49565	No change
NR_028282	Snord83b	0	1	-0.564217	6.33572	3.7294	No change
NR_028283	LOC100302626	0	1	-3.05607	0.36753	0	No change
NR_028284	Mcpt-ps1	0	1	0.113855	0	0	No change
NR_028285	2210417A02Rik	0	1	-0.886145	0.126714	0	No change
NR_028298	2610306M01Rik	0	1	-0.192807	6.26832	5.20728	No change
NR_028299	1700084E18Rik	0	1	-0.760614	3.37224	1.81959	No change
NR_028305	Tmem181c-ps	0	1	-0.00478969	1.69983	1.60903	No change
NR_028306	Tmem181d-ps	0	1	-0.00478969	1.69983	1.60903	No change
NR_028307	Gm6524	0	1	0.239386	0.454618	0.515134	No change
NR_028310	4930503E24Rik	0	1	-0.886145	0.0522828	0	No change
NR_028311	Gm4371	0	1	-0.6935	0.259725	0.133772	No change
NR_028317	8430429K09Rik	0	1	-0.945039	1.66763	0.787339	No change
NR_028329	D630032N06Rik	0	1	0.902351	1.08895	2.01912	No change
NR_028331	Zfp672	0	1	0.315062	22.2651	26.3914	No change
NR_028362	Snord7	0	1	1.69882	0	1.49565	No change
NR_028363	AA465934	0	1	0.85082	0.358318	0.738211	No change
NR_028364	Al450353	0	1	1.31549	0.418158	1.05293	No change
NR_028368	4930404I05Rik	0	1	-0.590689	3.06421	1.90855	No change
NR_028376	A930004D18Rik	0	1	0.64437	0.172882	0.267129	No change
NR_028378	LOC100034739	0	1	1.11385	0.0418702	0.107827	No change
NR_028382	B230319C09Rik	0	1	0.16935	2.06314	2.21026	No change
NR_028416	D630041G03Rik	0	1	0.605708	0.593539	0.867803	No change
NR_028417	Gm7854	0	1	0.476425	0.973365	1.30347	No change
NR_028421	D430020J02Rik	0	1	-0.0381483	1.18083	1.09226	No change
NR_028422	C130080G10Rik	0	1	0.113855	0	0	No change
NR_028423	A530058N18Rik	0	1	0.113855	0	0	No change
NR_028424	Gm2176	0	1	-1.47111	0.080384	0	No change
NR_028425	LOC100303645	0	1	-2.05607	0.249795	0.0321644	No change
NR_028427	5830416P10Rik	0	1	0.765932	0.0790169	0.135659	No change
NR_028429	Thap6	0	1	0.138946	2.14411	2.24774	No change
NR_028430	BC052688	0	1	-1.30118	0.300771	0.0885215	No change
NR_028433	AF357355	0	1	0.113855	0	0	No change
NR_028434	AF357359	0	1	0.113855	0	0	No change
NR_028441	Vmn2r-ps60	0	1	0.113855	0	0	No change
NR_028442	9330020H09Rik	0	1	-0.067752	1.87041	1.69634	No change
NR_028446	Snora35	0	1	0.113855	0	0	No change
NR_028478	Snora75	0	1	0.113855	1.8024	1.85666	No change
NR_028479	Snora20	0	1	0.113855	4.57003	4.7076	No change
NR_028480	Gm12238	0	1	-0.208073	2.24816	1.73688	No change
NR_028481	Snora31	0	1	1.11385	1.86678	4.48694	No change

NR_028497	Gm13315	0	1	0.476425	0.457349	0.616076	No change
NR_028521	Snord11	0	1	0.0289659	37.6121	36.4653	No change
NR_028523	Snord19	0	1	0.528892	6.45305	9.30624	No change
NR_028524	Snord38a	0	1	1.69882	0	2.43359	No change
NR_028525	Snord45c	0	1	0.528892	2.28501	3.5307	No change
NR_028527	Snord52	0	1	2.11385	0	3.65039	No change
NR_028528	Snord57	0	1	-0.886145	1.10624	0	No change
NR_028529	Snord64	0	1	1.11385	0	1.56067	No change
NR_028530	Snord66	0	1	0.224886	58.8785	65.6021	No change
NR_028531	Snord69	0	1	0.113855	3.54371	3.65039	No change
NR_028532	Snord71	0	1	0.113855	2.1779	2.24347	No change
NR_028533	Snord88a	0	1	-0.471108	1.93591	0.997097	No change
NR_028534	Snord88c	0	1	1.11385	0.829678	2.56396	No change
NR_028535	Snord90	0	1	1.11385	0	1.05575	No change
NR_028536	Snord93	0	1	-0.886145	1.54873	0	No change
NR_028537	Snord99	0	1	1.52889	2.48903	8.97387	No change
NR_028539	Snord23	0	1	0.113855	0.703969	0.725161	No change
NR_028540	Snord12	0	1	1.36178	7.39168	19.5794	No change
NR_028542	Snord8	0	1	1.11385	1.40794	3.62581	No change
NR_028544	Scarna3b	0	1	0.92121	1.68612	3.47376	No change
NR_028545	Scarna8	0	1	0.113855	0.590618	0.608398	No change
NR_028547	Snord110	0	1	-0.886145	1.18124	0	No change
NR_028548	Snord16a	0	1	0.113855	4.59514	4.73347	No change
NR_028551	Snord53	0	1	0.113855	5.12448	5.27875	No change
NR_028552	Snord58b	0	1	0.113855	0	0	No change
NR_028553	Snord67	0	1	2.43578	0	2.93024	No change
NR_028554	Snord70	0	1	1.11385	2.62992	6.77273	No change
NR_028556	Snord92	0	1	1.11385	0	1.01114	No change
NR_028558	Snora41	0	1	0.113855	0	0	No change
NR_028559	Snord111	0	1	0.113855	2.1779	2.24347	No change
NR_028561	Snord45b	0	1	-0.886145	4.6462	1.59535	No change
NR_028562	Snord91a	0	1	-0.886145	5.80774	2.39303	No change
NR_028563	Snord96a	0	1	0.765932	5.43062	9.3235	No change
NR_028564	Snord95	0	1	1.52889	2.04979	7.39025	No change
NR_028565	Snord85	0	1	-0.301183	3.2166	2.20895	No change
NR_028567	Snord1b	0	1	-0.886145	0.905103	0	No change
NR_028568	Scarna9	0	1	-0.326718	29.8684	22.221	No change
NR_028569	Snord1c	0	1	-0.886145	0.893499	0	No change
NR_028570	Snord1a	0	1	0.113855	0.917012	0.944618	No change
NR_028571	Snora17	0	1	0.229332	5.80774	6.52645	No change
NR_028572	Snora43	0	1	-0.538222	5.01388	3.09889	No change
NR_028573	Snora24	0	1	0.791927	2.1444	3.86567	No change
NR_028577	D030025P21Rik	0	1	0.872847	0.211511	0.381287	No change
NR_028578	Gm10584	0	1	0.113855	0.0795581	0.0819532	No change
NR_028579	Gm10649	0	1	-1.47111	0.090687	0	No change
NR_028580	Gm10825	0	1	0.765932	0.0919432	0.157852	No change
NR_028589	Gm14005	0	1	0.85082	0.0498341	0.102669	No change
NR_029381	5330413P13Rik	0	1	-1.47111	0.0959693	0.0197717	No change
NR_029382	Mir17hg	0	1	-0.243467	5.81023	4.66534	No change
NR_029384	Otx2os1	0	1	0.113855	0	0	No change
NR_029412	Snora16a	0	1	0.988324	2.56224	5.27875	No change
NR_029430	Stmn1-rs1	0	1	0.622868	1.7797	2.63991	No change
NR_029441	2810454H06Rik	0	1	0.176139	1.65289	1.77889	No change
NR_029444	4930579K19Rik	0	1	0.538353	2.2384	3.11593	No change
NR_029446	6230400D17Rik	0	1	-0.0560702	1.08895	0.989765	No change
NR_029450	C530005A16Rik	0	1	-0.0762481	2.28877	2.06296	No change
NR_029457	G530011O06Rik	0	1	0.0806879	1.25916	1.2669	No change
NR_029460	6530402F18Rik	0	1	0.206964	0.22733	0.2509	No change
NR_029463	9430083A17Rik	0	1	0.454084	2.16771	2.83322	No change
NR_029469	D4Ert617e	0	1	0.232499	2.94355	3.29971	No change
NR_029470	Gm10863	0	1	-1.88615	0.307469	0	No change
NR_029473	4930524L23Rik	0	1	-0.663753	0.221824	0.124637	No change
NR_029474	B430319G15Rik	0	1	0.21339	0.222661	0.247008	No change
NR_029526	Mirlet7g	0	1	-1.47111	1.58393	0	No change
NR_029527	Mirlet7i	0	1	0.113855	0	0	No change
NR_029528	Mir1-1	0	1	0.113855	0	0	No change
NR_029529	Mir15b	0	1	-0.886145	1.08895	0	No change
NR_029530	Mir23b	0	1	-0.886145	0.941796	0	No change
NR_029531	Mir27b	0	1	2.11385	0	2.95031	No change
NR_029532	Mir29b-1	0	1	-1.20807	3.92636	1.01114	No change
NR_029533	Mir30a	0	1	0.113855	3.92636	4.04456	No change
NR_029534	Mir30b	0	1	1.92121	2.1779	9.72169	No change
NR_029535	Mir99a	0	1	0.85082	2.1444	4.41791	No change
NR_029536	Mir99b	0	1	0.113855	0	0	No change
NR_029537	Mir101a	0	1	0.698817	0.839674	1.7299	No change
NR_029538	Mir124a-3	0	1	0.113855	0	0	No change

NR_029539	Mir125a	0	1	0.376889	4.09958	5.27875	No change
NR_029540	Mir125b-2	0	1	-0.886145	0.981591	0	No change
NR_029541	Mir126	0	1	-0.886145	0.954698	0	No change
NR_029542	Mir127	0	1	0.113855	0	0	No change
NR_029543	Mir128-1	0	1	0.113855	0.995613	1.02559	No change
NR_029544	Mir130a	0	1	0.113855	0	0	No change
NR_029545	Mir9-2	0	1	0.113855	0	0	No change
NR_029546	Mir132	0	1	0.113855	0	0	No change
NR_029547	Mir133a-1	0	1	-0.886145	1.0249	0	No change
NR_029548	Mir134	0	1	0.113855	0	0	No change
NR_029550	Mir136	0	1	0.113855	0	0	No change
NR_029551	Mir137	0	1	0.113855	0	0	No change
NR_029552	Mir138-2	0	1	0.113855	0	0	No change
NR_029553	Mir140	0	1	1.69882	0	2.05117	No change
NR_029554	Mir141	0	1	-0.208073	8.71162	6.97968	No change
NR_029555	Mir142	0	1	0.113855	0	0	No change
NR_029556	Mir144	0	1	0.113855	0	0	No change
NR_029557	Mir145	0	1	1.11385	3.98245	9.23027	No change
NR_029558	Mir146	0	1	0.113855	0	0	No change
NR_029559	Mir149	0	1	0.113855	0	0	No change
NR_029560	Mir150	0	1	0.113855	1.0722	1.10448	No change
NR_029562	Mir152	0	1	0.113855	0	0	No change
NR_029563	Mir153	0	1	0.113855	0	0	No change
NR_029564	Mir154	0	1	0.113855	0	0	No change
NR_029565	Mir155	0	1	1.11385	0	1.10448	No change
NR_029566	Mir10b	0	1	0.599282	14.3485	21.115	No change
NR_029567	Mir129-1	0	1	0.113855	0	0	No change
NR_029568	Mir181a-2	0	1	-1.88615	2.75104	0	No change
NR_029569	Mir182	0	1	1.11385	0	0.957213	No change
NR_029570	Mir184	0	1	0.113855	0	0	No change
NR_029571	Mir185	0	1	0.113855	0	0	No change
NR_029572	Mir186	0	1	1.43578	0.981591	4.04456	No change
NR_029573	Mir187	0	1	-0.886145	1.14251	0	No change
NR_029574	Mir188	0	1	0.113855	0	0	No change
NR_029575	Mir24-1	0	1	-0.886145	1.0249	0	No change
NR_029576	Mir190	0	1	0.113855	0	0	No change
NR_029577	Mir191	0	1	0.85082	1.88359	3.88059	No change
NR_029579	Mir193	0	1	1.11385	0	1.08774	No change
NR_029580	Mir194-1	0	1	0.113855	1.04019	1.07151	No change
NR_029581	Mir195	0	1	1.11385	0	0.763734	No change
NR_029585	Mir199a-1	0	1	0.113855	0	0	No change
NR_029587	Mir200b	0	1	0.113855	1.99123	2.05117	No change
NR_029588	Mir201	0	1	0.113855	0	0	No change
NR_029589	Mir202	0	1	-1.88615	2.90387	0	No change
NR_029590	Mir203	0	1	0.113855	0	0	No change
NR_029591	Mir204	0	1	1.69882	1.0249	5.27875	No change
NR_029592	Mir205	0	1	0.113855	0	0	No change
NR_029593	Mir206	0	1	0.113855	0	0	No change
NR_029594	Mir207	0	1	0.113855	0	0	No change
NR_029600	Mir122a	0	1	0.113855	0	0	No change
NR_029601	Mir143	0	1	2.11385	0	3.41862	No change
NR_029602	Mir30e	0	1	-0.886145	0.757532	0	No change
NR_029640	Mir290	0	1	0.113855	0	0	No change
NR_029641	Mir291a	0	1	-0.886145	0.849914	0	No change
NR_029642	Mir292	0	1	0.113855	0	0	No change
NR_029643	Mir293	0	1	0.113855	0	0	No change
NR_029644	Mir294	0	1	0.113855	0	0	No change
NR_029645	Mir295	0	1	0.113855	0	0	No change
NR_029646	Mir296	0	1	-2.47111	4.41095	0	No change
NR_029647	Mir297-1	0	1	0.113855	0	0	No change
NR_029649	Mir298	0	1	-0.886145	0.849914	0	No change
NR_029650	Mir299	0	1	0.113855	0	0	No change
NR_029651	Mir300	0	1	0.113855	0	0	No change
NR_029652	Mir301	0	1	-0.886145	0.810383	0	No change
NR_029653	Mir302a	0	1	0.113855	0	0	No change
NR_029654	Mir34c	0	1	-0.886145	0.905103	0	No change
NR_029655	Mir34b	0	1	-0.886145	0.829678	0	No change
NR_029656	Mirlet7d	0	1	0.354863	6.7663	8.364	No change
NR_029657	Mir106a	0	1	0.113855	0	0	No change
NR_029658	Mir106b	0	1	0.113855	0	0	No change
NR_029659	Mir130b	0	1	0.113855	0	0	No change
NR_029715	Mir19b-2	0	1	0.113855	0	0	No change
NR_029716	Mir30c-1	0	1	1.11385	0.783067	2.41992	No change
NR_029717	Mir30c-2	0	1	-0.175652	8.29678	6.83724	No change
NR_029718	Mir30d	0	1	2.11385	0	2.6265	No change
NR_029719	Mir148a	0	1	-0.623111	2.81588	1.45032	No change

NR_029720	Mir192	0	1	-1.47111	1.56613	0	No change
NR_029721	Mir196a-1	0	1	0.113855	3.41632	3.51917	No change
NR_029722	Mir196a-2	0	1	0.113855	0	0	No change
NR_029723	Mir200a	0	1	0.628428	15.4873	23.1326	No change
NR_029724	Mir208a	0	1	0.113855	0	0	No change
NR_029725	Mirlet7a-1	0	1	0.435783	2.22424	3.05493	No change
NR_029726	Mirlet7a-2	0	1	0.435783	5.08178	6.7304	No change
NR_029727	Mirlet7b	0	1	-0.14918	4.09958	3.3784	No change
NR_029728	Mirlet7c-1	0	1	0.435783	2.22424	3.05493	No change
NR_029729	Mirlet7c-2	0	1	-0.208073	2.93444	2.26708	No change
NR_029730	Mirlet7e	0	1	1.11385	0	0.771946	No change
NR_029731	Mirlet7f-1	0	1	-0.6935	4.6984	2.41992	No change
NR_029732	Mirlet7f-2	0	1	-0.371572	5.03804	3.45981	No change
NR_029733	Mir15a	0	1	-2.20807	3.31871	0	No change
NR_029734	Mir16-1	0	1	-0.471108	1.49877	0.771946	No change
NR_029735	Mir16-2	0	1	0.113855	0.73361	0.755694	No change
NR_029736	Mir18	0	1	0.113855	0	0	No change
NR_029737	Mir20a	0	1	-0.301183	1.95401	1.34189	No change
NR_029738	Mir21	0	1	0.85082	1.51506	3.12135	No change
NR_029739	Mir22	0	1	0.113855	0.73361	0.755694	No change
NR_029740	Mir23a	0	1	-0.301183	2.78772	1.91443	No change
NR_029741	Mir24-2	0	1	-0.886145	0.651336	0	No change
NR_029742	Mir26a-1	0	1	0.113855	0	0	No change
NR_029743	Mir26b	0	1	0.113855	2.45975	2.5338	No change
NR_029745	Mir29c	0	1	0.907404	11.0875	20.3952	No change
NR_029746	Mir27a	0	1	0.113855	0	0	No change
NR_029747	Mir31	0	1	-0.886145	0.657481	0	No change
NR_029748	Mir92-2	0	1	0.113855	0	0	No change
NR_029749	Mir93	0	1	2.11385	0	2.44742	No change
NR_029750	Mir96	0	1	1.11385	0	0.677273	No change
NR_029751	Mir34a	0	1	0.113855	0	0	No change
NR_029752	Mir129-2	0	1	0.113855	0	0	No change
NR_029753	Mir98	0	1	-0.623111	2.58122	1.32946	No change
NR_029754	Mir103-1	0	1	0.113855	0	0	No change
NR_029755	Mir103-2	0	1	0.113855	0.810383	0.834779	No change
NR_029756	Mir322	0	1	0.113855	0	0	No change
NR_029757	Mir323	0	1	0.113855	0	0	No change
NR_029758	Mir324	0	1	0.113855	0.783067	0.80664	No change
NR_029760	Mir326	0	1	0.113855	0	0	No change
NR_029761	Mir328	0	1	0.113855	15.0882	15.5424	No change
NR_029762	Mir329	0	1	0.113855	0	0	No change
NR_029763	Mir330	0	1	0.113855	0	0	No change
NR_029764	Mir331	0	1	1.11385	0	0.747823	No change
NR_029765	Mir337	0	1	0.113855	0	0	No change
NR_029766	Mir148b	0	1	0.113855	0	0	No change
NR_029767	Mir338	0	1	-0.886145	0.711152	0	No change
NR_029768	Mir339	0	1	-0.886145	0.725968	0	No change
NR_029769	Mir340	0	1	1.11385	0	0.732561	No change
NR_029770	Mir341	0	1	0.113855	0	0	No change
NR_029772	Mir344	0	1	0.113855	0	0	No change
NR_029773	Mir345	0	1	0.698817	2.1779	3.73911	No change
NR_029774	Mir346	0	1	0.113855	0	0	No change
NR_029775	Mir350	0	1	-2.20807	2.81588	0	No change
NR_029776	Mir351	0	1	-0.886145	0.703969	0	No change
NR_029777	Mir135b	0	1	-0.886145	0.718484	0	No change
NR_029778	Mir101b	0	1	0.113855	0	0	No change
NR_029781	Mir1-2	0	1	0.698817	0.967957	1.99419	No change
NR_029783	Mir107	0	1	1.92121	0.801068	4.9511	No change
NR_029784	Mir10a	0	1	0.435783	1.90072	2.61058	No change
NR_029785	Mir17	0	1	-0.471108	1.65936	0.854654	No change
NR_029786	Mir19a	0	1	0.113855	0.849914	0.8755	No change
NR_029787	Mir25	0	1	-2.20807	3.31871	0	No change
NR_029789	Mir32	0	1	-0.886145	2.98684	1.02559	No change
NR_029790	Mir100	0	1	-0.301183	6.09813	4.48694	No change
NR_029791	Mir139	0	1	0.113855	0	0	No change
NR_029792	Mir200c	0	1	0.113855	0	0	No change
NR_029793	Mir210	0	1	0.113855	0	0	No change
NR_029794	Mir212	0	1	-1.47111	1.53171	0	No change
NR_029795	Mir181a-1	0	1	0.113855	0	0	No change
NR_029796	Mir214	0	1	-0.471108	1.26714	0.652645	No change
NR_029797	Mir216a	0	1	0.113855	0	0	No change
NR_029798	Mir218-1	0	1	0.113855	0	0	No change
NR_029799	Mir218-2	0	1	1.11385	0	0.652645	No change
NR_029800	Mir219-1	0	1	1.11385	0.633572	1.95794	No change
NR_029801	Mir223	0	1	0.698817	0.633572	1.30529	No change
NR_029802	Mir320	0	1	0.113855	0	0	No change

NR_029803	Mir26a-2	0	1	1.11385	0	0.854654	No change
NR_029804	Mir33	0	1	0.113855	0	0	No change
NR_029805	Mir211	0	1	0.113855	0	0	No change
NR_029806	Mir221	0	1	0.85082	5.86888	10.5797	No change
NR_029807	Mir222	0	1	0.698817	0.882189	1.81749	No change
NR_029808	Mir224	0	1	0.113855	0	0	No change
NR_029809	Mir29b-2	0	1	0.113855	1.72081	1.77262	No change
NR_029810	Mir199a-2	0	1	1.69882	0	1.30529	No change
NR_029811	Mir199b	0	1	0.113855	0	0	No change
NR_029812	Mir135a-2	0	1	1.11385	0.696929	2.15373	No change
NR_029813	Mir124a-1	0	1	0.113855	0	0	No change
NR_029814	Mir124a-2	0	1	0.113855	0	0	No change
NR_029815	Mir19b-1	0	1	-0.886145	0.801068	0	No change
NR_029816	Mir92-1	0	1	-0.886145	0.871162	0	No change
NR_029817	Mir9-1	0	1	1.11385	1.56613	4.0332	No change
NR_029818	Mir9-3	0	1	0.113855	0	0	No change
NR_029819	Mir138-1	0	1	-0.886145	0.703969	0	No change
NR_029820	Mir181b-1	0	1	0.113855	0	0	No change
NR_029821	Mir181c	0	1	1.11385	0	0.80664	No change
NR_029822	Mir125b-1	0	1	1.11385	2.71531	6.52645	No change
NR_029823	Mir128-2	0	1	0.113855	0	0	No change
NR_029825	Mir7-1	0	1	0.28378	4.51713	5.31785	No change
NR_029826	Mir7-2	0	1	0.113855	0	0	No change
NR_029827	Mir7b	0	1	0.113855	0	0	No change
NR_029828	Mir217	0	1	0.113855	0	0	No change
NR_029830	Mir194-2	0	1	0.113855	0	0	No change
NR_029838	Mir219-2	0	1	0.113855	0	0	No change
NR_029851	Mir362	0	1	0.113855	0	0	No change
NR_029853	Mir363	0	1	0.113855	0	0	No change
NR_029855	Mir365-1	0	1	0.113855	0	0	No change
NR_029876	Mir375	0	1	0.113855	0	0	No change
NR_029877	Mir376a	0	1	0.113855	0	0	No change
NR_029878	Mir377	0	1	-1.47111	2.04979	0	No change
NR_029880	Mir379	0	1	1.11385	0	1.08774	No change
NR_029881	Mir380	0	1	-0.886145	1.14251	0	No change
NR_029882	Mir381	0	1	0.113855	0	0	No change
NR_029883	Mir382	0	1	0.113855	0	0	No change
NR_029884	Mir383	0	1	0.113855	0	0	No change
NR_029900	Mir335	0	1	0.113855	0	0	No change
NR_029901	Mir133a-2	0	1	0.113855	0	0	No change
NR_029902	Mir133b	0	1	0.113855	0	0	No change
NR_029904	Mir181b-2	0	1	0.698817	4.05192	6.67823	No change
NR_029908	Mir215	0	1	0.113855	0	0	No change
NR_029910	Mir384	0	1	0.113855	0	0	No change
NR_029912	Mir196b	0	1	1.69882	0	1.6892	No change
NR_029913	Mir409	0	1	0.113855	0	0	No change
NR_029914	Mir410	0	1	-0.886145	0.860407	0	No change
NR_029915	Mir376b	0	1	0.113855	0	0	No change
NR_029916	Mir411	0	1	0.113855	0	0	No change
NR_029917	Mir412	0	1	1.11385	0	0.897387	No change
NR_029918	Mir370	0	1	-0.886145	0.882189	0	No change
NR_029947	Mir425	0	1	-0.471108	1.63983	0.8446	No change
NR_029951	Mir431	0	1	0.113855	0	0	No change
NR_029952	Mir433	0	1	0.113855	0	0	No change
NR_029953	Mir434	0	1	0.113855	0	0	No change
NR_029956	Mir448	0	1	0.113855	0	0	No change
NR_029958	Mir429	0	1	0.735343	10.0761	16.4341	No change
NR_029959	Mir365-2	0	1	0.113855	0	0	No change
NR_029961	Mir449a	0	1	0.113855	0	0	No change
NR_029963	Mir450-1	0	1	0.113855	0	0	No change
NR_029971	Mir451	0	1	0.113855	0	0	No change
NR_029974	Mir452	0	1	0.113855	0	0	No change
NR_030147	Mir463	0	1	0.113855	0	0	No change
NR_030148	Mir464	0	1	-2.6935	5.88954	0	No change
NR_030149	Mir465	0	1	0.113855	0	0	No change
NR_030150	Mir466	0	1	1.11385	0	0.983438	No change
NR_030152	Mir469	0	1	-3.05607	7.53437	0	No change
NR_030153	Mir470	0	1	0.113855	0	0	No change
NR_030154	Mir471	0	1	0.113855	0	0	No change
NR_030242	Mir532	0	1	0.113855	0	0	No change
NR_030250	Mir489	0	1	0.113855	0	0	No change
NR_030251	Mir483	0	1	-0.886145	0.954698	0	No change
NR_030252	Mir484	0	1	0.113855	1.04019	1.07151	No change
NR_030253	Mir485	0	1	1.11385	0	0.983438	No change
NR_030254	Mir486	0	1	0.113855	0	0	No change
NR_030259	Mir546	0	1	0.443162	21.887	28.4791	No change

NR_030260	Mir540	0	1	0.113855	0	0	No change
NR_030261	Mir543	0	1	0.113855	0	0	No change
NR_030262	Mir539	0	1	0.113855	0	0	No change
NR_030263	Mir541	0	1	-1.47111	1.54873	0	No change
NR_030264	Mir542	0	1	0.113855	0	0	No change
NR_030265	Mir547	0	1	-1.47111	1.787	0	No change
NR_030268	Mir367	0	1	0.113855	0	0	No change
NR_030269	Mir494	0	1	0.113855	0	0	No change
NR_030270	Mir376c	0	1	0.113855	0	0	No change
NR_030271	Mir487b	0	1	0.113855	0	0	No change
NR_030272	Mir369	0	1	0.113855	0	0	No change
NR_030273	Mir20b	0	1	0.113855	0	0	No change
NR_030274	Mir450-2	0	1	-0.886145	1.01004	0	No change
NR_030275	Mir503	0	1	-0.886145	0.981591	0	No change
NR_030276	Mir291b	0	1	0.113855	0	0	No change
NR_030403	Mir302b	0	1	1.69882	0	1.9403	No change
NR_030404	Mir302c	0	1	-0.886145	1.0249	0	No change
NR_030405	Mir302d	0	1	0.113855	0	0	No change
NR_030415	Mir301b	0	1	0.113855	0	0	No change
NR_030416	Mir675	0	1	0.113855	0	0	No change
NR_030417	Mir744	0	1	1.33625	1.39386	4.30746	No change
NR_030418	Mir374	0	1	-0.886145	2.20083	0.755694	No change
NR_030419	Mir216b	0	1	0.113855	0	0	No change
NR_030420	Mir592	0	1	0.113855	0	0	No change
NR_030421	Mir758	0	1	0.113855	0	0	No change
NR_030422	Mir551b	0	1	0.113855	0	0	No change
NR_030424	Mir668	0	1	-0.886145	1.05595	0	No change
NR_030425	Mir665	0	1	0.113855	0	0	No change
NR_030426	Mir667	0	1	0.113855	0	0	No change
NR_030427	Mir770	0	1	0.113855	0	0	No change
NR_030428	Mir762	0	1	0.113855	0	0	No change
NR_030429	Mir802	0	1	0.113855	0	0	No change
NR_030430	Mir672	0	1	-0.886145	0.696929	0	No change
NR_030431	Mir670	0	1	-0.886145	0.696929	0	No change
NR_030432	Mir761	0	1	-0.734142	7.3361	3.77847	No change
NR_030433	Mir764	0	1	0.113855	0	0	No change
NR_030434	Mir763	0	1	-0.886145	0.580774	0	No change
NR_030435	Mir666	0	1	0.113855	0	0	No change
NR_030436	Mir759	0	1	0.113855	0	0	No change
NR_030437	Mir496	0	1	-0.886145	0.882189	0	No change
NR_030438	Mir673	0	1	0.113855	0	0	No change
NR_030439	Mir760	0	1	2.11385	0	1.80986	No change
NR_030440	Mir674	0	1	-0.886145	0.696929	0	No change
NR_030441	Mir488	0	1	0.113855	0	0	No change
NR_030442	Mir677	0	1	0.152329	93.9896	99.4535	No change
NR_030443	Mir678	0	1	-0.191	16.5936	13.6745	No change
NR_030444	Mir497	0	1	0.113855	1.65936	1.70931	No change
NR_030445	Mir679	0	1	-0.886145	0.941796	0	No change
NR_030446	Mir495	0	1	0.113855	0	0	No change
NR_030447	Mir680-1	0	1	0.113855	0	0	No change
NR_030448	Mir680-2	0	1	-2.47111	3.16786	0	No change
NR_030449	Mir680-3	0	1	0.113855	0	0	No change
NR_030450	Mir681	0	1	0.113855	0	0	No change
NR_030452	Mir449c	0	1	0.113855	0	0	No change
NR_030453	Mir683-1	0	1	-3.20807	5.75446	0	No change
NR_030454_4	Mir684-1	0	1	0.113855	0	0	No change
NR_030458	Mir719	0	1	-0.663753	37.3808	22.1899	No change
NR_030459	Mir687	0	1	0.698817	0.783067	1.61328	No change
NR_030460	Mir688	0	1	0.113855	0	0	No change
NR_030463	Mir690	0	1	0.113855	0	0	No change
NR_030464	Mir691	0	1	0.113855	0	0	No change
NR_030465	Mir692-1	0	1	0.113855	0	0	No change
NR_030466	Mir693	0	1	1.11385	0	0.80664	No change
NR_030467	Mir694	0	1	1.11385	0	1.02559	No change
NR_030468	Mir146b	0	1	0.113855	0	0	No change
NR_030469	Mir669b	0	1	0.113855	0	0	No change
NR_030472	Mir467b	0	1	0.113855	0.954698	0.983438	No change
NR_030473	Mir669c	0	1	1.69882	0	1.31727	No change
NR_030474	Mir297b	0	1	1.11385	0	0.658633	No change
NR_030475	Mir695	0	1	0.113855	0	0	No change
NR_030476	Mir720	0	1	0.113855	0	0	No change
NR_030477	Mir455	0	1	0.113855	0	0	No change
NR_030478	Mir491	0	1	1.11385	0	0.834779	No change
NR_030479	Mir697	0	1	-0.623111	2.55754	1.31727	No change
NR_030480	Mir698	0	1	0.113855	0.639385	0.658633	No change
NR_030481	Mir700	0	1	-0.886145	2.64657	0.908746	No change

NR_030482	Mir701	0	1	1.11385	0	0.658633	No change
NR_030483	Mir702	0	1	-0.964148	11.5089	5.26906	No change
NR_030484	Mir703	0	1	1.11385	5.11508	11.1968	No change
NR_030486	Mir705	0	1	-0.886145	0.849914	0	No change
NR_030487	Mir706	0	1	0.113855	0	0	No change
NR_030488	Mir707	0	1	2.43578	0	3.93375	No change
NR_030489	Mir708	0	1	0.113855	0	0	No change
NR_030490	Mir709	0	1	-1.47111	1.58393	0	No change
NR_030491	Mir710	0	1	0.113855	0	0	No change
NR_030492	Mir711	0	1	0.113855	0	0	No change
NR_030493	Mir713	0	1	0.113855	0	0	No change
NR_030495	Mir500	0	1	0.113855	0	0	No change
NR_030496	Mir501	0	1	0.113855	0	0	No change
NR_030497	Mir717	0	1	0.113855	0	0	No change
NR_030498	Mir450b	0	1	0.113855	0	0	No change
NR_030499	Mir505	0	1	-1.47111	1.54873	0	No change
NR_030500	Mir721	0	1	0.528892	1.58393	2.44742	No change
NR_030524	Mir490	0	1	0.113855	0	0	No change
NR_030525	Mir676	0	1	0.113855	0	0	No change
NR_030526	Mir615	0	1	0.113855	0	0	No change
NR_030529	Mir804	0	1	0.698817	2.20083	3.77847	No change
NR_030530	Mir741	0	1	0.113855	0	0	No change
NR_030531	Mir742	0	1	0.113855	0	0	No change
NR_030532	Mir743	0	1	-1.47111	2.24816	0	No change
NR_030534	Mir181d	0	1	0.113855	0	0	No change
NR_030535	Mir743b	0	1	0.113855	0	0	No change
NR_030536	Mir871	0	1	0.113855	0	0	No change
NR_030537	Mir879	0	1	0.113855	0	0	No change
NR_030538	Mir880	0	1	0.113855	0	0	No change
NR_030539	Mir881	0	1	-1.47111	1.787	0	No change
NR_030540	Mir882	0	1	0.113855	0	0	No change
NR_030541	Mir883a	0	1	-0.886145	0.917012	0	No change
NR_030542	Mir883b	0	1	0.113855	0	0	No change
NR_030543	Mir190b	0	1	0.113855	0	0	No change
NR_030544	Mir874	0	1	0.113855	0	0	No change
NR_030545	Mir876	0	1	0.113855	0	0	No change
NR_030546	Mir105	0	1	0.113855	0	0	No change
NR_030548	Mir18b	0	1	0.113855	0	0	No change
NR_030549	Mir193b	0	1	0.113855	0	0	No change
NR_030551	Mir297a-3	0	1	0.113855	0	0	No change
NR_030555	Mir297c	0	1	0.113855	0	0	No change
NR_030557	Mir344-2	0	1	0.113855	0	0	No change
NR_030558	Mir421	0	1	1.69882	0	1.88924	No change
NR_030559	Mir453	0	1	0.113855	0	0	No change
NR_030560	Mir465b-1	0	1	0.113855	0	0	No change
NR_030561	Mir465b-2	0	1	0.113855	0	0	No change
NR_030562	Mir465c-1	0	1	-0.886145	0.860407	0	No change
NR_030563	Mir465c-2	0	1	-0.886145	0.860407	0	No change
NR_030569	Mir466g	0	1	1.69882	0	1.79477	No change
NR_030572	Mir467d	0	1	-0.886145	0.819917	0	No change
NR_030573	Mir493	0	1	0.113855	0	0	No change
NR_030574	Mir504	0	1	0.113855	0	0	No change
NR_030575	Mir509	0	1	0.113855	0	0	No change
NR_030576	Mir568	0	1	-0.471108	4.19837	2.59485	No change
NR_030577	Mir574	0	1	0.113855	0	0	No change
NR_030578	Mir654	0	1	0.113855	0	0	No change
NR_030579	Mir92b	0	1	0.113855	0	0	No change
NR_030602	Mir449b	0	1	-0.886145	0.871162	0	No change
NR_030603	Mir878	0	1	0.113855	0	0	No change
NR_030604	Mir872	0	1	-0.886145	0.860407	0	No change
NR_030605	Mir873	0	1	0.113855	0	0	No change
NR_030606	Mir875	0	1	1.92121	0.893499	5.52238	No change
NR_030607	Mir208b	0	1	0.113855	0	0	No change
NR_030608	Mir877	0	1	-0.471108	1.63983	0.8446	No change
NR_030609	Mir511	0	1	-1.47111	1.76438	0	No change
NR_030611	Mir598	0	1	-0.886145	0.882189	0	No change
NR_030612	Mir653	0	1	0.113855	0	0	No change
NR_030644	Mir582	0	1	0.113855	0	0	No change
NR_030647	Mir683-2	0	1	-3.20807	5.75446	0	No change
NR_030670	Gm15760	0	1	0.222108	1.53749	1.70881	No change
NR_030674	Gm4532	0	1	-0.0305351	1.95492	1.81239	No change
NR_030676	A130049A11Rik	0	1	-0.138532	5.95367	5.14556	No change
NR_030677	BC025920	0	1	0.354863	0.774366	0.949616	No change
NR_030678	AA387883	0	1	-1.47111	0.0830172	0	No change
NR_030680	Gm3833	0	1	0.113855	0.351731	0.362319	No change
NR_030681	Gm4598	0	1	0.113855	0	0	No change

NR_030682	2810410L24Rik	0	1	0.755401	0.979866	1.59816	No change
NR_030683	Gm14207	0	1	0.113855	0.213564	0.219993	No change
NR_030690	E330033B04Rik	0	1	0.0537338	1.51597	1.49743	No change
NR_030692	A930011G23Rik	0	1	0.85082	0.103895	0.192641	No change
NR_030693	4930412C18Rik	0	1	0.294427	0.77261	0.904396	No change
NR_030694	1110002L01Rik	0	1	-0.102539	5.89222	5.22116	No change
NR_030695	B330016D10Rik	0	1	-0.185705	2.04027	1.70137	No change
NR_030699	A630072M18Rik	0	1	0.382051	1.18517	1.47298	No change
NR_030702	Snord4a	0	1	1.57329	2.98684	10.2559	No change
NR_030703	Snord104	0	1	0.85082	13.3658	23.6025	No change
NR_030704	Snord55	0	1	0.113855	0	0	No change
NR_030705	Snord2	0	1	0.85082	11.2739	20.0592	No change
NR_030706	C230004F18Rik	0	1	0.113855	0.160398	0.165227	No change
NR_030707	Vmn1r-ps79	0	1	-0.886145	0.0303938	0	No change
NR_030709	Gm16386	0	1	0.741886	2.46805	3.99511	No change
NR_030712	3110099E03Rik	0	1	0.113855	0	0	No change
NR_030713	Mir183	0	1	0.113855	0	0	No change
NR_030715	3930402G23Rik	0	1	0.113855	0.0489589	0.0504327	No change
NR_030716	5430417L22Rik	0	1	0.139277	10.2732	10.771	No change
NR_030718	F630028O10Rik	0	1	0.435783	0.577219	0.749708	No change
NR_030720	Gm8989	0	1	0.27058	1.96042	2.25504	No change
NR_030721	9130206I24Rik	0	1	0.435783	0.0726978	0.0998484	No change
NR_030756	Mir423	0	1	0.113855	1.27877	1.31727	No change
NR_030757	Mir499	0	1	0.113855	0	0	No change
NR_030758	Mir718	0	1	0.113855	0	0	No change
NR_030759	Mir343	0	1	-0.471108	1.85848	0.957213	No change
NR_030764	2700097O09Rik	0	1	0.442803	4.75579	6.16906	No change
NR_030769	Nkx2-2as	0	1	0.113855	0	0	No change
NR_030771	Gm13034	0	1	-0.0372112	9.91448	9.19165	No change
NR_030776	3110021A11Rik	0	1	-0.564217	0.592052	0.3485	No change
NR_031758	Snora26	0	1	0.865927	10.3675	18.3927	No change
NR_033138	Gm833	0	1	0.113855	0	0	No change
NR_033139	Al427809	0	1	0.354863	0.719898	0.882821	No change
NR_033141	Gm6994	0	1	-0.886145	0.0599251	0	No change
NR_033147	D830046C22Rik	0	1	0.3065	0.177411	0.21321	No change
NR_033168	Snora28	0	1	0.21339	7.48767	8.30639	No change
NR_033190	Gm839	0	1	0.113855	0	0	No change
NR_033198	2700046G09Rik	0	1	-0.193327	9.25842	7.6997	No change
NR_033207	2010016I18Rik	0	1	0.336247	0.492055	0.599026	No change
NR_033209	Gm4792	0	1	1.11385	0	0.0928732	No change
NR_033213	1700111N16Rik	0	1	-1.47111	0.307831	0.0634196	No change
NR_033214	B430212C06Rik	0	1	0.599282	0.371979	0.547396	No change
NR_033217	BC030870	0	1	-0.471108	0.0941796	0.0485074	No change
NR_033219	BC020402	0	1	0.240967	2.38893	2.69052	No change
NR_033220	BC039771	0	1	0.654423	0.334419	0.51673	No change
NR_033221	BC031361	0	1	0.445061	1.5277	1.98422	No change
NR_033222	9330151L19Rik	0	1	0.0297905	7.2266	7.02119	No change
NR_033241	Bmp1	0	1	0.3065	3.48934	4.11017	No change
NR_033261	Gm14492	0	1	0.28378	0.714003	0.831432	No change
NR_033303	9330176C04Rik	0	1	0.628428	0.287394	0.444068	No change
NR_033305	AA388235	0	1	1.43578	0.126157	0.352736	No change
NR_033325	Gm5089	0	1	0.113855	0	0	No change
NR_033332	Gm12216	0	1	0.435783	0.423481	0.560867	No change
NR_033340	B930059L03Rik	0	1	0.191857	0.907182	0.989462	No change
NR_033398	Gm9159	0	1	0.113855	0.0316786	0.0326323	No change
NR_033430	Gm2694	0	1	-1.73414	1.73721	0.421061	No change
NR_033444	Krt74	0	1	0.113855	0.0438596	0.04518	No change
NR_033447	2810405F15Rik	0	1	-0.886145	0.134977	0.0463467	No change
NR_033450	Serpina3h	0	1	0.998378	0.40776	0.805067	No change
NR_033451	Klra13-ps	0	1	0.698817	0.0855128	0.176174	No change
NR_033452	Gm4013	0	1	-0.208073	0.670124	0.517723	No change
NR_033453	9130209A04Rik	0	1	0.113855	0	0	No change
NR_033454	Gm5095	0	1	0.113855	0	0	No change
NR_033456	Gm4710	0	1	0.113855	0	0	No change
NR_033458	Gm10512	0	1	0.113855	0.1787	0.184079	No change
NR_033459	LOC668917	0	1	0.891462	0.839674	1.5303	No change
NR_033462	Gm10494	0	1	0.528892	0.0539837	0.0834132	No change
NR_033467	Gm11468	0	1	0.113855	0	0	No change
NR_033468	AU019990	0	1	0.113855	0	0	No change
NR_033470	Gm10857	0	1	-2.20807	0.0997038	0	No change
NR_033472	Gm10768	0	1	0.113855	0.102339	0.10542	No change
NR_033473	Gm13939	0	1	0.698817	0.361639	0.585397	No change
NR_033475	Gm10823	0	1	-0.471108	0.427564	0.264261	No change
NR_033481	Gm10474	0	1	-0.301183	0.0762227	0.0523449	No change
NR_033482	Gm6938	0	1	-0.471108	0.180786	0.0931141	No change
NR_033483	U90926	0	1	-3.05607	1.06809	0	No change

NR_033486	LOC100415784	0	1	0.113855	0	0	No change
NR_033490	2610100L16Rik	0	1	-2.6935	0.306792	0	No change
NR_033491	Gm10466	0	1	-1.47111	0.0565231	0	No change
NR_033492	4931406H21Rik	0	1	-0.322878	2.40258	1.82362	No change
NR_033493	Gm10818	0	1	-0.137684	1.2016	1.03148	No change
NR_033495	Gm13629	0	1	0.113855	0	0	No change
NR_033497	D830015G02Rik	0	1	-3.20807	0.757532	0	No change
NR_033498	AI504432	0	1	-0.406977	0.402268	0.284885	No change
NR_033499	Gm8773	0	1	-3.05607	0.439703	0	No change
NR_033501	Gm7271	0	1	-0.886145	0.0853035	0	No change
NR_033502	C030023E24Rik	0	1	0.113855	0.0242663	0.0249969	No change
NR_033503	E530011L22Rik	0	1	0.077018	2.48903	2.49878	No change
NR_033504	Gm9962	0	1	0.113855	0	0	No change
NR_033505	Gm14164	0	1	-1.47111	0.0697976	0	No change
NR_033507	Olfr1077-ps1	0	1	0.113855	0	0	No change
NR_033508	Gm11110	0	1	0.113855	0	0	No change
NR_033509	Gm9961	0	1	1.11385	0.129061	0.398839	No change
NR_033510	1500017E21Rik	0	1	-0.225503	5.96919	4.85439	No change
NR_033511	Gm10510	0	1	-0.886145	0.0963941	0	No change
NR_033513	Gm6793	0	1	0.171136	34.1773	36.6341	No change
NR_033515	Cyp2d37-ps	0	1	0.113855	0	0	No change
NR_033517	2410017117Rik	0	1	0.113855	0	0	No change
NR_033518	Gm16039	0	1	0.173797	5.26227	5.65205	No change
NR_033522	1600029O15Rik	0	1	-2.20807	0.154103	0	No change
NR_033523	Gm11517	0	1	-0.278463	2.04079	1.57667	No change
NR_033524	Gm11529	0	1	-0.886145	0.168912	0.0695986	No change
NR_033526	Gm16523	0	1	0.461778	1.11509	1.46605	No change
NR_033532	B230206H07Rik	0	1	0.549954	0.379927	0.538127	No change
NR_033533	Gm12603	0	1	0.113855	0	0	No change
NR_033534	Olfr1300-ps1	0	1	0.113855	0	0	No change
NR_033535	Gm10845	0	1	-0.584117	1.48064	0.932075	No change
NR_033536	Gm10516	0	1	-0.571272	2.16123	1.37425	No change
NR_033538	Gm10421	0	1	0.113855	0	0	No change
NR_033539	Gm12298	0	1	-0.623111	0.339966	0.1751	No change
NR_033542	Gm10636	0	1	-0.886145	0.0288106	0	No change
NR_033543	Gm16287	0	1	-0.0787903	0.210099	0.185506	No change
NR_033544	Gm14812	0	1	-1.88615	0.271935	0.0400173	No change
NR_033545	Gm10790	0	1	0.3065	0.246555	0.296307	No change
NR_033546	Gm15348	0	1	0.698817	0.0190678	0.0392837	No change
NR_033548	D030047H15Rik	0	1	-0.636167	0.989332	0.594484	No change
NR_033550	Gm10248	0	1	-0.886145	0.1787	0.0788912	No change
NR_033551	Gm12359	0	1	-0.156234	1.98981	1.69101	No change
NR_033552	Gm10125	0	1	-0.886145	0.230924	0.0951504	No change
NR_033555	Gm10400	0	1	0.573286	0.12721	0.187199	No change
NR_033558	F830002L21Rik	0	1	-0.886145	0.038042	0	No change
NR_033559	AY512915	0	1	0.113855	0	0	No change
NR_033561	2900002K06Rik	0	1	-0.14918	0.912646	0.769189	No change
NR_033562	Gm1995	0	1	1.11385	0	0.0165379	No change
NR_033563	Gpx2-ps1	0	1	-0.264657	0.821528	0.634694	No change
NR_033564	C030002c11rik	0	1	-0.103376	2.57397	2.27679	No change
NR_033567	E130304I02Rik	0	1	-2.47111	0.500668	0	No change
NR_033568	9430041J12Rik	0	1	0.113855	0.271296	0.279463	No change
NR_033569	9430021M05Rik	0	1	-2.47111	0.162228	0	No change
NR_033570	Gm7104	0	1	0.113855	0	0	No change
NR_033571	1810062O18Rik	0	1	-0.377998	4.08321	2.96341	No change
NR_033573	4930512B01Rik	0	1	0.296058	2.50129	2.93024	No change
NR_033575	Gm12839	0	1	-2.47111	0.617845	0	No change
NR_033576	Usp-ps	0	1	0.113855	0	0	No change
NR_033577	Gm8221	0	1	-0.886145	0.0743964	0.0340605	No change
NR_033578	Gm15645	0	1	-0.945039	1.08121	0.510472	No change
NR_033581	Adh6-ps1	0	1	0.113855	0	0	No change
NR_033582	Gm11426	0	1	0.113855	0	0	No change
NR_033584	Gm10280	0	1	0.113855	0	0	No change
NR_033585	Cyp4f41-ps	0	1	-1.20807	1.50146	0.579999	No change
NR_033591	Gm6300	0	1	0.528892	0.0242714	0.0350029	No change
NR_033594	Gm5712	0	1	0.528892	0.134025	0.207089	No change
NR_033596	5730416F02Rik	0	1	0.113855	0	0	No change
NR_033597	Gm7134	0	1	-2.6935	0.173942	0	No change
NR_033598	4930503H13Rik	0	1	-2.20807	0.439011	0	No change
NR_033600	5033404E19Rik	0	1	0.113855	0	0	No change
NR_033601	4930519F09Rik	0	1	1.49237	0.405978	1.16167	No change
NR_033602	Gm5779	0	1	-0.886145	0.076839	0	No change
NR_033603	Gm5176	0	1	-1.05607	0.999182	0.385973	No change
NR_033604	Gm4971	0	1	0.113855	0	0	No change
NR_033605	1700028B04Rik	0	1	-2.20807	0.505021	0	No change
NR_033607	4921533I20Rik	0	1	0.113855	0	0	No change

NR_033608	1700084J12Rik	0	1	-0.564217	1.43009	0.883883	No change
NR_033609	A930017M01Rik	0	1	-1.88615	0.0624116	0	No change
NR_033610	Gm12633	0	1	-1.88615	0.123715	0	No change
NR_033614	Cyp2c53-ps	0	1	0.113855	0	0	No change
NR_033617	Gm12830	0	1	0.113855	0	0	No change
NR_033620	Olfr947-ps1	0	1	-1.47111	0.0640855	0	No change
NR_033621	Olfr856-ps1	0	1	-0.471108	1.35821	0.918155	No change
NR_033622	Gm6607	0	1	-1.47111	0.248018	0	No change
NR_033624	5031434O11Rik	0	1	0.988324	0.485327	0.999874	No change
NR_033625	D5Erttd605e	0	1	0.85082	0.524994	0.946397	No change
NR_033626	1810010D01Rik	0	1	-1.47111	0.149076	0	No change
NR_033627	AA619741	0	1	0.113855	0	0	No change
NR_033629	BC021767	0	1	0.278486	8.50829	9.82776	No change
NR_033630	Gm5177	0	1	-0.886145	0.0184129	0	No change
NR_033631	4632428C04Rik	0	1	0.770967	0.717596	1.18272	No change
NR_033632	A630075F10Rik	0	1	-0.0381483	0.337405	0.308944	No change
NR_033633	Gm8709	0	1	0.113855	0	0	No change
NR_033636	1700049E15Rik	0	1	-0.623111	0.681038	0.389745	No change
NR_033637	Gm4349	0	1	-0.404612	3.23864	2.30963	No change
NR_033638	Olfr29-ps1	0	1	-0.886145	0.0723707	0	No change
NR_033640	E330012B07Rik	0	1	0.113855	0	0	No change
NR_033642	Gm3230	0	1	-0.940593	0.866165	0.411803	No change
NR_033643	Gm6642	0	1	1.11385	0	0.124421	No change
NR_033644	Fut4-ps1	0	1	1.69882	0.027933	0.14387	No change
NR_033648	Vmn2r-ps129	0	1	-3.20807	0.371366	0	No change
NR_033673	Trim30e-ps1	0	1	-1.47111	0.0737491	0	No change
NR_033689	Gm7550	0	1	0.113855	0	0	No change
NR_033692	V1rg10	0	1	-0.886145	0.0689347	0	No change
NR_033693	Gm4541	0	1	-0.886145	0.140794	0	No change
NR_033707	Zscan4a	0	1	-1.47111	0.0617571	0	No change
NR_033726	Ces2d-ps	0	1	0.113855	0	0	No change
NR_033729	5730577I03Rik	0	1	-0.075623	1.89399	1.70713	No change
NR_033736	E330020D12Rik	0	1	0.698817	0.0246526	0.0507895	No change
NR_033762	Bc1	0	1	0.113855	0	0	No change
NR_033776	AA545190	0	1	-0.886145	0.0673362	0	No change
NR_033778	Snord116l1	0	1	0.113855	0	0	No change
NR_033779	Snord116l2	0	1	0.113855	0	0	No change
NR_033780	2810001G20Rik	0	1	0.250428	10.8291	12.2706	No change
NR_033784	1700041C23Rik	0	1	-1.47111	0.352876	0	No change
NR_034038	5430416N02Rik	0	1	0.248784	5.56653	6.30751	No change
NR_034042	Snora5c	0	1	0.476425	4.14017	5.68641	No change
NR_034043	Snora47	0	1	0.336247	2.76559	3.41862	No change
NR_034044	Snora36b	0	1	1.69882	0	1.27064	No change
NR_034045	Snora30	0	1	0.113855	3.90802	4.02566	No change
NR_034046	Snora61	0	1	0.561314	11.2408	16.2109	No change
NR_034047	Snora19	0	1	0.113855	0	0	No change
NR_034049	Snora52	0	1	0.92121	4.92778	9.4271	No change
NR_034051	Snora34	0	1	1.37689	5.31556	13.9932	No change
NR_034052	Snora2b	0	1	1.11385	0	0.640991	No change
NR_034155	Olfr1372-ps1	0	1	-0.663753	0.906639	0.527875	No change
NR_035406	Mir467a-1	0	1	0.113855	0.954698	0.983438	No change
NR_035407	Mir1224	0	1	0.113855	0	0	No change
NR_035410	Mir669k	0	1	-0.108538	3.29258	2.82642	No change
NR_035411	Mir669g	0	1	-1.88615	1.69983	0	No change
NR_035412	Mir466i	0	1	0.528892	2.87987	4.1532	No change
NR_035413	Mir1-2as	0	1	0.599282	2.28501	3.5307	No change
NR_035414	Mir1186	0	1	0.113855	0	0	No change
NR_035415	Mir1187	0	1	0.113855	0	0	No change
NR_035416	Mir669j	0	1	-0.371572	3.45585	2.37326	No change
NR_035417	Mir669i	0	1	0.113855	0.548763	0.565283	No change
NR_035418	Mir669h	0	1	0.113855	0	0	No change
NR_035419	Mir1188	0	1	1.11385	0	0.598258	No change
NR_035420	Mir467f	0	1	0.113855	1.16155	1.19652	No change
NR_035421	Mir1190	0	1	1.11385	0	0.593314	No change
NR_035423	Mir1192	0	1	1.11385	1.15195	2.96657	No change
NR_035424	Mir1193	0	1	-0.886145	0.575975	0	No change
NR_035426	Mir669e	0	1	-1.47111	2.92827	0.603285	No change
NR_035428	Mir1196	0	1	0.113855	0	0	No change
NR_035429	Mir1197	0	1	0.113855	0	0	No change
NR_035431	Mir1199	0	1	0.113855	0	0	No change
NR_035432	Mir1902	0	1	0.206964	12.1963	13.4608	No change
NR_035433	Mir1897	0	1	0.113855	0	0	No change
NR_035434	Mir1905	0	1	-0.301183	2.54974	1.751	No change
NR_035435	Mir1895	0	1	0.113855	0	0	No change
NR_035436	Mir1903	0	1	-1.47111	1.74232	0	No change
NR_035437	Mir1899	0	1	0.113855	0	0	No change

NR_035438	Mir1900	0	1	0.113855	0	0	No change
NR_035439	Mir1892	0	1	0.500878	55.7544	75.3805	No change
NR_035440	Mir1906-1	0	1	1.69882	0	1.79477	No change
NR_035441	Mir1896	0	1	0.383944	28.3934	35.4523	No change
NR_035442	Mir1904	0	1	1.11385	0	0.897387	No change
NR_035443	Mir1898	0	1	1.11385	3.3587	7.78456	No change
NR_035444	Mir1907	0	1	0.113855	0.774366	0.797677	No change
NR_035445	Mir1894	0	1	0.961852	12.0457	23.044	No change
NR_035446	Mir1893	0	1	-0.471108	9.23641	6.05466	No change
NR_035447	Mir1901	0	1	1.69882	0	1.84079	No change
NR_035450	Mir1929	0	1	-0.886145	0.749386	0	No change
NR_035451	Mir1930	0	1	-0.886145	0.829678	0	No change
NR_035452	Mir1931	0	1	0.698817	0.585655	1.20657	No change
NR_035453	Mir1932	0	1	0.113855	0	0	No change
NR_035454	Mir1933	0	1	1.11385	0	0.815807	No change
NR_035455	Mir1934	0	1	-0.886145	0.839674	0	No change
NR_035457	Mir1936	0	1	-0.886145	0.749386	0	No change
NR_035458	Mir1937a	0	1	0.113855	0	0	No change
NR_035459	Mir1938	0	1	-2.20807	2.78772	0	No change
NR_035461	Mir1940	0	1	0.698817	2.01037	3.45149	No change
NR_035462	Mir1941	0	1	0.113855	0	0	No change
NR_035463	Mir1942	0	1	0.113855	0	0	No change
NR_035464	Mir1943	0	1	1.11385	0	0.983438	No change
NR_035465	Mir1944	0	1	-0.886145	4.70898	1.9403	No change
NR_035466	Mir1945	0	1	0.113855	0	0	No change
NR_035467	Mir1306	0	1	0.961852	3.92636	8.08912	No change
NR_035468	Mir1946a	0	1	0.113855	0	0	No change
NR_035469	Mir1947	0	1	0.113855	0	0	No change
NR_035471	Mir1948	0	1	0.113855	0	0	No change
NR_035472	Mir1949	0	1	0.113855	13.9386	14.3582	No change
NR_035474	Mir669m-1	0	1	0.113855	0	0	No change
NR_035475	Mir669m-2	0	1	0.113855	0	0	No change
NR_035476	Mir1951	0	1	0.113855	0	0	No change
NR_035477	Mir1952	0	1	0.113855	0	0	No change
NR_035478	Mir1953	0	1	0.113855	0	0	No change
NR_035480	Mir1955	0	1	-0.301183	2.13346	1.46512	No change
NR_035481	Mir1956	0	1	-1.47111	2.1444	0	No change
NR_035486	Mir1960	0	1	-0.886145	0.893499	0	No change
NR_035487	Mir1961	0	1	0.113855	0	0	No change
NR_035488	Mir1962	0	1	0.113855	0	0	No change
NR_035489	Mir1963	0	1	0.113855	0	0	No change
NR_035490	Mir1964	0	1	0.113855	0	0	No change
NR_035491	Mir1965	0	1	0.113855	0	0	No change
NR_035492	Mir1966	0	1	0.113855	1.93591	1.99419	No change
NR_035493	Mir1967	0	1	-0.886145	0.849914	0	No change
NR_035494	Mir1968	0	1	0.113855	1.0249	1.05575	No change
NR_035495	Mir1969	0	1	0.113855	0	0	No change
NR_035499	Mir1971	0	1	0.113855	0	0	No change
NR_035500	Mir1983	0	1	0.113855	0	0	No change
NR_035501	Mir1839	0	1	0.113855	4.77349	4.91719	No change
NR_035502	Mir1981	0	1	1.55443	5.09948	15.759	No change
NR_035503	Mir1982	0	1	0.85082	1.88359	3.88059	No change
NR_035516	Mir2136	0	1	0.113855	0	0	No change
NR_035517	Mir2137	0	1	0.561314	10.5595	15.2284	No change
NR_035523	Mir2145-2	0	1	0.113855	0	0	No change
NR_035526	Mir432	0	1	0.113855	0	0	No change
NR_035527	Mir599	0	1	0.528892	1.58393	2.44742	No change
NR_035528	Mir767	0	1	0.113855	0	0	No change
NR_035529	Mir664	0	1	1.11385	0	1.04045	No change
NR_036449	Gm5084	0	1	0.628428	0.25139	0.378476	No change
NR_036451	Gm4814	0	1	1.69882	0	0.158304	No change
NR_036452	E230016K23Rik	0	1	1.11385	0	0.0323237	No change
NR_036456	A730020M07Rik	0	1	0.77682	0.323333	0.545018	No change
NR_036459	A730018C14Rik	0	1	0.113855	0	0	No change
NR_036469	LOC100499420	0	1	-0.793036	0.330075	0.170006	No change
NR_036602	4933421O10Rik	0	1	0.200063	7.33134	8.01821	No change
NR_036654	Gm6525	0	1	1.00694	0.752082	1.54945	No change
NR_036689	Gm41	0	1	-1.47111	0.262497	0	No change
NR_036696	Gm8579	0	1	-2.20807	0.855711	0.0979413	No change
NR_037189	Gm9696	0	1	0.113855	0	0	No change
NR_037204	Mir1247	0	1	0.113855	0	0	No change
NR_037205	Mir1264	0	1	0.113855	0	0	No change
NR_037206	Mir1249	0	1	2.43578	0	2.93024	No change
NR_037207	Mir1843	0	1	1.33625	2.1444	6.62686	No change
NR_037208	Mir3475	0	1	0.113855	0	0	No change
NR_037209	Mir344d-3	0	1	0.113855	0	0	No change

NR_037210	Mir1298	0	1	0.113855	0	0	No change
NR_037211	Mir3059	0	1	0.113855	0	0	No change
NR_037212	Mir3058	0	1	0.698817	0.765856	1.57782	No change
NR_037213	Mir3099	0	1	0.113855	0	0	No change
NR_037214	Mir3106	0	1	0.113855	0	0	No change
NR_037215	Mir344d-1	0	1	0.113855	0	0	No change
NR_037216	Mir344d-2	0	1	0.113855	0	0	No change
NR_037217	Mir2861	0	1	0.113855	0	0	No change
NR_037218	Mir3057	0	1	-0.248715	6.12685	4.73347	No change
NR_037219	Mir1251	0	1	1.11385	1.65936	4.27327	No change
NR_037220	Mir3060	0	1	-0.886145	0.839674	0	No change
NR_037221	Mir3061	0	1	0.85082	1.53171	3.15565	No change
NR_037222	Mir3062	0	1	0.113855	0.663742	0.683724	No change
NR_037225	Mir3065	0	1	-0.886145	0.801068	0	No change
NR_037226	Mir3066	0	1	1.11385	0.839674	2.59485	No change
NR_037227	Mir3067	0	1	0.113855	0	0	No change
NR_037228	Mir3068	0	1	0.85082	4.41095	8.17872	No change
NR_037230	Mir3070a	0	1	-0.886145	0.783067	0	No change
NR_037231	Mir3070b	0	1	0.113855	0	0	No change
NR_037232	Mir3071	0	1	0.113855	0	0	No change
NR_037233	Mir3072	0	1	0.113855	0	0	No change
NR_037234	Mir3073	0	1	0.113855	0	0	No change
NR_037235	Mir3074-1	0	1	0.403361	6.55934	8.446	No change
NR_037236	Mir3075	0	1	1.11385	0	0.8446	No change
NR_037238	Mir3077	0	1	0.113855	0	0	No change
NR_037239	Mir3078	0	1	0.113855	0	0	No change
NR_037242	Mir3081	0	1	0.113855	0	0	No change
NR_037244	Mir3083	0	1	1.11385	0	1.12173	No change
NR_037246	Mir3085	0	1	0.113855	0	0	No change
NR_037247	Mir3086	0	1	0.113855	0	0	No change
NR_037248	Mir4660	0	1	-0.886145	0.829678	0	No change
NR_037249	Mir467a-2	0	1	0.113855	0.849914	0.8755	No change
NR_037252	Mir467a-3	0	1	0.698817	2.51902	4.32476	No change
NR_037254	Mir467a-4	0	1	0.113855	0.849914	0.8755	No change
NR_037256	Mir467a-5	0	1	0.113855	0.849914	0.8755	No change
NR_037258	Mir467a-6	0	1	0.698817	2.51902	4.32476	No change
NR_037261	Mir467a-7	0	1	0.113855	0.849914	0.8755	No change
NR_037263	Mir467a-8	0	1	0.113855	0.849914	0.8755	No change
NR_037265	Mir467a-9	0	1	0.113855	0.849914	0.8755	No change
NR_037267	Mir467a-10	0	1	0.698817	2.51902	4.32476	No change
NR_037271	Mir3088	0	1	0.113855	0	0	No change
NR_037272	Mir3089	0	1	0.113855	0.829678	0.854654	No change
NR_037275	Mir3092	0	1	0.113855	0	0	No change
NR_037276	Mir3093	0	1	1.11385	0	0.825184	No change
NR_037277	Mir3094	0	1	0.113855	0	0	No change
NR_037278	Mir3095	0	1	0.113855	0	0	No change
NR_037279	Mir3096	0	1	0.113855	0	0	No change
NR_037280	Mir3097	0	1	0.113855	0	0	No change
NR_037282	Mir3100	0	1	1.11385	0	1.10448	No change
NR_037283	Mir3101	0	1	1.11385	0	0.815807	No change
NR_037284	Mir344e	0	1	0.113855	0	0	No change
NR_037285	Mir344b	0	1	0.113855	0	0	No change
NR_037286	Mir344c	0	1	1.11385	0	0.780337	No change
NR_037287	Mir344g	0	1	0.113855	0	0	No change
NR_037288	Mir344f	0	1	0.113855	0	0	No change
NR_037289	Mir3102	0	1	1.11385	0	0.690298	No change
NR_037290	Mir3103	0	1	0.113855	0	0	No change
NR_037293	Mir3107	0	1	0.113855	0	0	No change
NR_037294	Mir3074-2	0	1	-0.886145	0.839674	0	No change
NR_037295	Mir3108	0	1	0.113855	0	0	No change
NR_037296	Mir3109	0	1	-0.14918	3.95983	3.26323	No change
NR_037297	Mir3110	0	1	0.113855	0	0	No change
NR_037298	Mir374c	0	1	0.113855	1.4223	1.46512	No change
NR_037299	Mir3112	0	1	0.113855	0.849914	0.8755	No change
NR_037300	Mir1912	0	1	0.113855	0	0	No change
NR_037303	Mir1937b-2	0	1	0.113855	0	0	No change
NR_037304	Mir3471-1	0	1	0.113855	0	0	No change
NR_037307	Mir1937b-4	0	1	0.113855	0	0	No change
NR_037308	Mir1937b-5	0	1	0.113855	0	0	No change
NR_037310	Mir1186b	0	1	0.113855	0	0	No change
NR_037311	Mir3473	0	1	0.113855	0	0	No change
NR_037312	Mir3474	0	1	0.113855	0	0	No change
NR_037313	Mir1906-2	0	1	1.69882	0	1.79477	No change
NR_037571	Gm7056	0	1	0.113855	0	0	No change
NR_037588	B930003M22Rik	0	1	0.325359	1.02573	1.23271	No change
NR_037604	Rdh18-ps	0	1	-0.886145	0.362984	0.177116	No change

NR_037666	LOC100503704	0	1	0.242588	3.36857	3.79822	No change
NR_037679	5330439B14Rik	0	1	-0.471108	0.250334	0.154722	No change
NR_037680	Snora33	0	1	1.11385	1.99123	4.78606	No change
NR_037681	Snord100	0	1	-0.301183	7.17427	5.27875	No change
NR_037682	Snord42a	0	1	-0.248715	12.3899	9.57213	No change
NR_037683	Snord42b	0	1	0.528892	2.53429	3.91587	No change
NR_037689	Gm1968	0	1	0.528892	0.141941	0.219321	No change
NR_037692	4933407L21Rik	0	1	-0.301183	0.424957	0.312678	No change
NR_037693	2700046A07Rik	0	1	-0.208073	0.130695	0.100972	No change
NR_037700	Gm2049	0	1	0.294427	1.62888	1.91762	No change
NR_037955	1190002F15Rik	0	1	1.11385	0.239495	0.616761	No change
NR_037959	1600010M07Rik	0	1	-1.88615	0.339414	0	No change
NR_037960	1600020E01Rik	0	1	-0.0840846	9.20473	8.25042	No change
NR_037963	2410004I01Rik	0	1	0.698817	0.0730534	0.150505	No change
NR_037976	LOC100503248	0	1	0.113855	0	0	No change
NR_037977	Gm53	0	1	0.765932	3.04977	5.00326	No change
NR_037980	LOC100047133	0	1	0.698817	0.0812272	0.167345	No change
NR_037986	LOC100503474	0	1	-1.47111	0.290629	0.0598757	No change
NR_037987	LOC100503816	0	1	0.336247	0.280793	0.347096	No change
NR_037988	LOC100503962	0	1	0.698817	0.223375	0.383499	No change
NR_037990	BC055402	0	1	0.113855	0	0	No change
NR_037993	B230216N24Rik	0	1	-0.108538	0.354973	0.304716	No change
NR_037994	2310043L19Rik	0	1	1.11385	0	0.102852	No change
NR_037995	0610009B14Rik	0	1	-0.514176	2.44927	1.60555	No change
NR_037997	2310015D24Rik	0	1	1.11385	0	0.0246112	No change
NR_038004	4931429P17Rik	0	1	0.113855	0	0	No change
NR_038006	9630028B13Rik	0	1	0.113855	0.0613854	0.0632334	No change
NR_038008	Al848258	0	1	-1.88615	0.132328	0	No change
NR_038010	5530401A14Rik	0	1	1.11385	0.0379178	0.117178	No change
NR_038012	LOC620079	0	1	-0.886145	0.0318523	0	No change
NR_038014	LOC432488	0	1	-0.886145	0.0815122	0	No change
NR_038017	LOC100504069	0	1	-0.471108	0.153509	0.0790649	No change
NR_038018	LOC100417125	0	1	-0.471108	0.0556209	0.0286476	No change
NR_038019	LOC100504202	0	1	2.11385	0	0.102803	No change
NR_038021	LOC100504265	0	1	-0.886145	0.0112263	0	No change
NR_038023	LOC100504616	0	1	-0.0236487	1.78159	1.66619	No change
NR_038025	4933412E12Rik	0	1	0.0516983	6.67015	6.57945	No change
NR_038027	B230208H11Rik	0	1	0.435783	0.176886	0.242947	No change
NR_038036	Gm6150	0	1	0.113855	0	0	No change
NR_038040	C730027H18Rik	0	1	-2.20807	0.121205	0	No change
NR_038041	2310015B20Rik	0	1	0.113855	0.15732	0.162056	No change
NR_038044	Gm10033	0	1	1.57329	0.224093	0.769464	No change
NR_038045	Gm10440	0	1	-0.301183	0.076001	0.0521926	No change
NR_038051	4930546C10Rik	0	1	-2.20807	0.120057	0	No change
NR_038053	4930579G18Rik	0	1	-0.255379	4.3886	3.48882	No change
NR_038055	2310065F04Rik	0	1	-3.20807	0.230263	0	No change
NR_038057	1500016L03Rik	0	1	0.113855	0	0	No change
NR_038065	Zfp133-ps	0	1	0.92121	0.134283	0.276651	No change
NR_038067	Gm2011	0	1	-0.471108	2.54546	1.71792	No change
NR_038079	Gm2447	0	1	-0.886145	0.038611	0	No change
NR_038081	Raver1-fdx1l	0	1	-0.0753181	9.62083	8.6896	No change
NR_038100	Olfr230-ps1	0	1	-0.886145	0.0729006	0	No change
NR_038101	Gm14327	0	1	0.229332	1.45589	1.63013	No change
NR_038124	BB283400	0	1	0.599282	0.196595	0.30377	No change
NR_038136	1810007D17Rik	0	1	0.113855	0	0	No change
NR_038140	1810018F18Rik	0	1	0.113855	0	0	No change
NR_038151	2410004N09Rik	0	1	0.539161	5.47242	7.62675	No change
NM_178113	Ncapd3	0.000198913	1	0.252525	4.25528	4.82694	No change
NM_011412	Slit3	0.000232748	1	0.474602	1.21363	1.60941	No change
NM_009460	Sumo1	0.000287137	1	0.173218	42.2746	45.379	No change
NM_026402	Atg3	0.000383664	1	0.422959	3.8776	4.95725	No change
NM_025480	Tmem128	0.000605163	1	0.331902	12.1401	14.5567	No change
NM_001159636	Wdsub1	0.000820113	1	0.354863	7.24312	8.82601	No change
NM_173866	Gpt2	0.000845098	1	0.162199	16.4736	17.5485	No change
NM_001080981	Ddx23	0.000931797	1	0.171832	18.6987	20.0525	No change
NM_181748	O3far1	0.00119965	1	0.686434	1.90117	2.93761	No change
NM_024478	Grpel1	0.00133911	1	0.185624	13.4876	14.6034	No change
NM_001081077	Cwf19l1	0.00218206	1	0.38196	2.74412	3.40812	No change
NM_025922	ltpa	0.00225607	1	0.294771	14.7925	17.2819	No change
NM_020050	Tmem9b	0.00234529	1	0.227256	17.6611	19.6839	No change
NM_023507	0610007P08Rik	0.00239717	1	0.405458	3.18655	4.02368	No change
NM_153783	Paox	0.00240063	1	0.539619	2.64809	3.67841	No change
NM_011871	Prkra	0.00241578	1	0.219428	20.6298	22.8678	No change
NM_001205241	Myst4	0.00264861	1	0.213785	4.71526	5.20629	No change
NM_007981	Acsl1	0.00269021	1	0.0798985	68.5108	68.9311	No change
NM_001081154	4921513D23Rik	0.0027794	1	0.124244	13.6514	14.164	No change

NM_026067	Eri1	0.00308417	1	0.244251	5.07533	5.72401	No change
NM_025833	Baiap211	0.00309353	1	0.363214	3.39024	4.15539	No change
NM_028369	Mon1a	0.00366287	1	0.433133	3.59276	4.62615	No change
NM_173749	Pamr1	0.00373038	1	0.92121	0.463968	0.855253	No change
NM_025661	Ormdl3	0.00385568	1	0.161736	30.5919	32.5774	No change
NM_033615	Adam33	0.00444449	1	0.577802	1.25513	1.79194	No change
NM_023363	Zfp788	0.0044525	1	0.258038	6.03969	6.87739	No change
NM_172253	Twistnb	0.00476237	1	0.369112	4.61821	5.68397	No change
NM_145375	Tm6sf1	0.00531347	1	0.462862	2.97508	3.91231	No change
NM_001160366	Srcrb4d	0.00541339	1	0.654423	1.10015	1.66036	No change
NM_009841	Cd14	0.00541339	1	0.654423	2.00187	3.02126	No change
NM_029397	Rbm12	0.0054548	1	0.219037	8.82307	9.7775	No change
NM_007480	Arf5	0.0057288	1	0.311301	16.7323	19.7752	No change
NM_025683	Rpe	0.00580862	1	0.235275	10.8382	12.1471	No change
NM_175474	Fam109a	0.00599275	1	0.519111	2.17884	2.98232	No change
NM_025366	Chchd1	0.00609809	1	0.373722	17.6868	21.8389	No change
NM_178601	Imp4	0.0061065	1	0.312955	6.87943	8.13993	No change
NM_178802	Trim65	0.00619539	1	0.698817	0.845455	1.31813	No change
NR_028428	2610005L07Rik	0.00619637	1	0.138517	22.1648	23.226	No change
NM_153107	Cpz	0.00639609	1	0.798353	0.86595	1.45366	No change
NM_029734	Wdyhv1	0.00661798	1	0.550919	3.36884	4.71738	No change
NM_001029873	Unc13a	0.00693823	1	0.0143191	0.122591	0.117261	No change
NM_001081048	Slc25a18	0.00693823	1	0.0143191	0.713754	0.682723	No change
NM_001160410	Scrt2	0.00693823	1	0.0143191	0.287394	0.274899	No change
NM_011409	Sfn3	0.00693823	1	0.0143191	0.53728	0.513922	No change
NM_021887	Il21r	0.00693823	1	0.0143191	0.374262	0.357991	No change
NM_007507	Atp5k	0.00709355	1	0.250634	86.1615	97.6062	No change
NM_144868	Pcnx13	0.00715629	1	0.19658	5.84292	6.37461	No change
NM_019788	Pldn	0.00731006	1	0.318088	4.30844	5.11619	No change
NM_023061	Mcam	0.00751379	1	0.378502	3.56658	4.41867	No change
NM_025609	Tab1	0.00813011	1	0.423399	2.75729	3.52589	No change
NM_021516	Mark3	0.00839085	1	0.215864	10.3675	11.4637	No change
NM_145221	Appl1	0.0085755	1	0.166672	8.85053	9.45731	No change
NM_028301	Anks3	0.00867837	1	0.231109	12.2377	13.6758	No change
NM_001083119	Ptpru	0.00883218	1	0.472936	1.15226	1.52608	No change
NM_133792	Pla2g15	0.00900423	1	0.344025	4.73891	5.73054	No change
NM_001163538	Pgam5	0.00917283	1	0.238506	13.7106	15.401	No change
NM_011626	Tmem165	0.00937262	1	0.24088	14.7399	16.5846	No change
NM_016701	Nes	0.00947774	1	0.365039	1.84301	2.26178	No change
NM_177325	Tsr1	0.00952654	1	0.198274	12.6209	13.7856	No change
NM_009742	Bcl2a1a	0.00960314	1	0.66487	3.67727	5.59176	No change
NM_018744	Sema6a	0.00988826	1	0.591902	0.556007	0.801843	No change
NM_030021	D730039F16Rik	0.00988826	1	0.591902	1.65792	2.39096	No change
NM_026121	Bag4	0.0100787	1	0.1743	11.8697	12.7509	No change
NM_009564	Zfp64	0.0102565	1	0.452657	2.55684	3.3379	No change
NM_178873	Adck2	0.0105694	1	0.430712	2.22529	2.86028	No change
NM_001002895	Al413582	0.0106084	1	0.388612	15.5359	19.3847	No change
NM_183088	2410018M08Rik	0.0107754	1	0.253519	10.156	11.5281	No change
NM_148673	Slu7	0.0109228	1	0.254624	6.72279	7.63693	No change
NM_009383	Tial1	0.0110804	1	0.178384	12.763	13.7493	No change
NM_028720	Glyr1	0.0111764	1	0.11991	39.7379	41.1065	No change
NM_001081379	Ankrd11	0.011294	1	0.137198	11.2625	11.7909	No change
NM_172550	Ybey	0.011298	1	0.455643	1.5412	2.01624	No change
NM_198109	Ssh1	0.01142	1	0.433227	2.45923	3.16658	No change
NM_007885	Slc26a2	0.0114761	1	0.228607	8.26284	9.21779	No change
NM_026550	Pak1ip1	0.0115162	1	0.258833	13.875	15.8079	No change
NM_173429	Zfp775	0.0115243	1	0.533963	1.19483	1.65279	No change
NM_207255	Zfp532	0.0118086	1	0.281042	3.70275	4.28447	No change
NM_026932	Ebna1bp2	0.0119595	1	0.336247	4.63835	5.57835	No change
NM_201372	Ccdc84	0.0122916	1	0.435783	6.68041	8.6174	No change
NM_133854	Snapi	0.0123121	1	0.195701	23.6432	25.7788	No change
NM_025403	Nop10	0.012809	1	0.191968	68.3893	74.3734	No change
NM_030199	Zfp623	0.0128841	1	0.395793	3.86872	4.85152	No change
NM_009940	Coq7	0.0130392	1	0.376889	12.3223	15.2484	No change
NM_026603	Denr	0.01306	1	0.305039	7.66747	9.02203	No change
NM_145448	9030617O03Rik	0.0135628	1	0.569049	1.31659	1.86759	No change
NM_177678	Ablim2	0.0135628	1	0.569049	1.19083	1.6892	No change
NM_008481	Lama2	0.0135778	1	0.161482	7.26207	7.73202	No change
NM_175255	Sec24a	0.0138405	1	0.219168	5.26952	5.84001	No change
NM_001135100	Il34	0.0139409	1	0.419268	4.94334	6.30258	No change
NM_001177567	Otogl	0.0142327	1	0.875695	0.219537	0.390615	No change
NM_013672	Sp1	0.0142349	1	0.126845	15.7607	16.3821	No change
NM_009196	Slc16a1	0.0142404	1	0.200643	9.88865	10.8189	No change
NM_001007573	Maneal	0.0143178	1	0.0207454	0.383349	0.368564	No change
NM_053132	Pcdhb7	0.0143178	1	0.0207454	0.298173	0.286672	No change
NR_038038	2210417K05Rik	0.0143178	1	0.0207454	1.87683	1.80444	No change

NM_001081430	Naa30	0.0144286	1	0.198298	9.7937	10.6976	No change
NM_027371	Rpf1	0.0146988	1	0.258245	19.8336	22.5872	No change
NM_007455	Ap1g2	0.0147573	1	0.514953	2.00762	2.7395	No change
NM_175291	Dock10	0.0148641	1	0.329394	2.00404	2.3986	No change
NM_010740	Cd93	0.0151766	1	0.365394	1.75335	2.15222	No change
NM_021789	Trappc4	0.0152519	1	0.239667	25.4785	28.6426	No change
NM_026631	Nhp2	0.015299	1	0.314153	16.2432	19.2348	No change
NM_199200	Fam171a2	0.0156006	1	0.366775	3.73435	4.58832	No change
NM_144899	Adamtsl4	0.0158096	1	0.606895	0.957916	1.39635	No change
NM_145219	Lgi3	0.0158096	1	0.606895	1.16118	1.69265	No change
NM_010573	Irx1	0.0158115	1	0.95339	0.608377	1.14893	No change
NM_025520	Lsm5	0.0158115	1	0.95339	2.50394	4.72875	No change
NM_178767	Agmo	0.0158115	1	0.95339	0.582122	1.09935	No change
NM_019666	Syncrip	0.0162721	1	0.210716	14.4045	15.8704	No change
NM_025464	Tmem218	0.0162771	1	0.426133	8.13084	10.4167	No change
NM_153594	Pcmt2	0.0163712	1	0.205195	12.1352	13.3189	No change
NM_152800	Tor2a	0.0163834	1	0.351844	8.50821	10.3448	No change
NM_026368	5830433M19Rik	0.0166213	1	0.388217	4.85769	6.05917	No change
NM_172283	Fuk	0.0167577	1	0.336247	3.69102	4.43894	No change
NM_001114879	D14Abb1e	0.016821	1	0.129224	16.9222	17.6184	No change
NM_153091	Stl1	0.0169315	1	0.471407	3.43939	4.54987	No change
NM_025716	Spryd4	0.0169787	1	0.449203	4.71138	6.1352	No change
NM_198957	C430048L16Rik	0.016986	1	0.195385	13.9752	15.2341	No change
NM_177981	Hap1	0.0169983	1	0.19527	15.1881	16.5549	No change
NM_009033	Rbmxt	0.0170647	1	0.253406	15.4739	17.5628	No change
NM_173031	BC066135	0.0171122	1	0.72529	1.05186	1.67172	No change
NR_033628	AA474331	0.0171122	1	0.72529	3.12324	4.96378	No change
NM_001035226	Xpo1	0.0172164	1	0.162535	14.8875	15.8625	No change
NM_134189	Galnt10	0.0176586	1	0.189505	11.0002	11.9423	No change
NM_001025589	Rfxank	0.0177049	1	0.323308	4.25562	5.07176	No change
NM_013926	Cbx8	0.0178011	1	0.646729	2.30142	3.45298	No change
NM_001033369	Acvr1c	0.0181954	1	0.774368	0.241486	0.39801	No change
NM_001101479	Pabpc4l	0.0181954	1	0.774368	0.400688	0.6604	No change
NM_001113350	Xkr5	0.0181954	1	0.774368	0.737231	1.21508	No change
NM_028979	Cyp2j9	0.0181954	1	0.774368	1.07551	1.77262	No change
NM_016913	Porcn	0.0182444	1	0.524139	2.80567	3.85351	No change
NM_001160043	Dem1	0.0187257	1	0.413415	4.56597	5.79724	No change
NM_011035	Pak1	0.0187757	1	0.433315	2.64109	3.40075	No change
NM_021050	Cftr	0.0188543	1	0.200421	7.31864	8.00588	No change
NM_172725	C330006K01Rik	0.019017	1	0.454892	1.89889	2.48268	No change
NM_021535	Smu1	0.0192177	1	0.149993	27.6813	29.2384	No change
NM_026044	Wdr85	0.0194802	1	0.396927	3.35244	4.20726	No change
NM_181280	Bre	0.0197409	1	0.37993	8.36528	10.3735	No change
NM_001081357	Map4k3	0.0197732	1	0.157724	19.1899	20.3784	No change
NM_172704	Dnajc11	0.019833	1	0.315489	5.65782	6.70602	No change
NM_028712	Rap2b	0.0200703	1	0.457809	1.71036	2.2408	No change
NM_016720	Neu3	0.0200726	1	0.528892	1.54363	2.1273	No change
NM_146153	Thrap3	0.020107	1	0.123423	33.872	35.124	No change
NM_153560	Fam102a	0.0201961	1	0.254374	6.4454	7.3204	No change
NM_008517	Lta4h	0.0205332	1	0.43829	3.84559	4.96908	No change
NR_027901	2900060B14Rik	0.020744	1	0.026392	1.86782	1.80379	No change
NM_177296	Tnpo3	0.0209364	1	0.150272	23.3246	24.6414	No change
NM_133886	AU040320	0.0210354	1	0.200196	10.81	11.8232	No change
NM_175356	Pi4kb	0.021317	1	0.219281	10.4388	11.5698	No change
NM_024223	Crip2	0.021476	1	0.261574	17.9197	20.4547	No change
NR_030455	Mir684-2	0.0217663	1	0.656382	36.4672	55.0954	No change
NM_001191051	Lysmd4	0.0218033	1	0.386227	3.22048	4.01127	No change
NM_026023	Nudcd2	0.0218052	1	0.307903	11.13	13.1221	No change
NR_003270	Shhg3	0.0220891	1	0.294427	45.2924	52.8986	No change
NM_009298	Surf6	0.0225385	1	0.296232	7.62606	8.91796	No change
NM_029648	D19Ertd737e	0.0225465	1	0.26707	12.192	13.9701	No change
NM_144931	Nae1	0.0225859	1	0.183516	32.6878	35.3396	No change
NM_010060	Dnahc11	0.0227619	1	0.311501	1.2431	1.46929	No change
NM_001115018	Suv420h2	0.0233284	1	0.446051	3.55348	4.61678	No change
NM_001081431	Zfp498	0.0233614	1	0.488703	3.14247	4.20819	No change
NM_053246	Dok4	0.0234048	1	0.466871	2.67638	3.5289	No change
NM_001112715	Ifitm1	0.0236042	1	0.698817	3.87183	6.03371	No change
NM_010170	F2rl2	0.0236042	1	0.698817	1.10309	1.71902	No change
NM_001081019	Gm12657	0.023632	1	0.14918	100.549	106.145	No change
NM_023243	Ccnh	0.0237986	1	0.359706	6.41909	7.8476	No change
NM_145443	L2hgdh	0.0238891	1	0.273431	7.11962	8.19424	No change
NM_175155	Sash1	0.0239985	1	0.287992	2.93985	3.41814	No change
NR_033136	Atf5	0.0240918	1	0.330666	8.48135	10.1598	No change
NM_011817	Gadd45g	0.0241667	1	0.595724	3.67824	5.31785	No change
NM_009930	Col3a1	0.0242613	1	0.289078	3.77023	4.38694	No change
NM_153138	Wipf1	0.0244754	1	0.56722	1.01441	1.4368	No change

NM_001163819	Fance	0.0245701	1	0.469999	3.42242	4.52255	No change
NM_001205227	Cyb5r2	0.024712	1	0.378355	4.09811	5.07613	No change
NM_007978	F8a	0.024753	1	0.492366	2.49103	3.34448	No change
NM_198163	Rab35	0.0254689	1	0.335297	6.95963	8.364	No change
NM_028894	Lonrf3	0.0255063	1	0.164786	10.7802	11.5041	No change
NM_001110195	Echdc1	0.0255475	1	0.19091	18.9491	20.5918	No change
NM_019867	Ngef	0.0257123	1	0.631254	1.26668	1.87893	No change
NM_172955	Vcan	0.0257123	1	0.631254	0.93048	1.38023	No change
NM_011221	Purb	0.0263453	1	0.519847	4.8466	6.63561	No change
NM_008002	Fgf10	0.0263906	1	0.0313927	0.259138	0.251237	No change
NM_010208	Fgr	0.0263906	1	0.0313927	0.354512	0.343703	No change
NM_011414	Sipi	0.0263906	1	0.0313927	1.35249	1.31125	No change
NM_025566	Tnfaip81	0.0263906	1	0.0313927	0.500964	0.485689	No change
NM_026185	Abhd15	0.0263906	1	0.0313927	0.36466	0.353541	No change
NM_194333	Slc23a3	0.0263906	1	0.0313927	0.575695	0.558142	No change
NM_025550	Psmid6	0.0267017	1	0.180546	49.9574	53.8986	No change
NM_001199357	Tmem164	0.0269144	1	0.573286	2.51182	3.57312	No change
NM_001166371	Zfml	0.027027	1	0.16521	18.3711	19.6106	No change
NM_023160	Cml1	0.0270926	1	0.602893	3.86034	5.60978	No change
NM_207205	Igsf3	0.0272286	1	0.261412	3.69857	4.22127	No change
NM_008489	Lbp	0.0272587	1	0.385934	4.36098	5.43053	No change
NM_018830	Asah2	0.0273621	1	0.314258	3.67414	4.35097	No change
NM_001172424	Dhrs3	0.027582	1	0.371351	8.93764	11.0161	No change
NM_009939	Cops2	0.0275821	1	0.134257	42.1374	44.0244	No change
NM_027677	Gpr39	0.0276522	1	0.403361	3.70624	4.67215	No change
NM_001081086	Ppig	0.0277756	1	0.216378	6.75126	7.46754	No change
NM_183183	Gprin3	0.0278194	1	0.988324	0.382187	0.741068	No change
NM_001077184	Bsg	0.0279132	1	0.115834	144.548	149.104	No change
NM_007964	Evi5	0.0280213	1	0.183714	10.7953	11.6726	No change
NM_026919	1810006K21Rik	0.028036	1	0.372714	28.6775	35.3802	No change
NM_009624	Adcy9	0.0281143	1	0.303893	4.31574	5.07385	No change
NM_032008	Slmap	0.0282147	1	0.147652	24.1549	25.4722	No change
NM_001135112	Dnaja3	0.0282635	1	0.279029	9.28688	10.7303	No change
NM_031159	Apobec1	0.0282964	1	0.405195	4.36927	5.51507	No change
NM_019821	Gltp	0.0283395	1	0.422404	5.58756	7.13894	No change
NM_176966	Fsd1l	0.0284166	1	0.440665	3.70977	4.80131	No change
NM_010499	Ier2	0.0284341	1	0.459851	4.85378	6.36779	No change
NM_145943	BC031781	0.028474	1	0.305188	5.98616	7.04407	No change
NM_013719	Eif2ak4	0.0284971	1	0.374091	2.28611	2.82316	No change
NM_153538	Zcchc6	0.0285238	1	0.165578	14.7773	15.7782	No change
NM_026123	Unc50	0.028834	1	0.293863	14.8073	17.2868	No change
NM_007890	Dyrk1a	0.0289378	1	0.227512	6.34941	7.07765	No change
NM_145538	Tmem189	0.0290517	1	0.202962	29.558	32.3904	No change
NM_001159743	Fam150b	0.0291778	1	1.63742	0.323723	1.04804	No change
NR_015508	Enox	0.0291778	1	1.63742	0.128925	0.417389	No change
NM_029816	2610028H24Rik	0.0295679	1	1.69882	0.237185	0.814418	No change
NM_152915	Dner	0.0295679	1	1.69882	0.115132	0.395325	No change
NM_031874	Rab3d	0.0295813	1	0.321875	4.39749	5.23534	No change
NM_013760	Dnajb9	0.0296491	1	0.152535	54.9696	58.1642	No change
NM_145476	Tbc1d22a	0.0298454	1	0.234038	11.1586	12.4951	No change
NM_025966	2310039H08Rik	0.0299872	1	0.363833	16.5893	20.3392	No change
NM_001195265	Pdzd7	0.0301384	1	0.610281	0.982094	1.43472	No change
NM_028944	P4htm	0.0303093	1	0.676791	1.65569	2.53847	No change
NM_025536	Commmd5	0.0304215	1	0.379749	11.662	14.4589	No change
NM_133345	Ing4	0.0305902	1	0.312635	11.3353	13.4081	No change
NM_001033536	Rfx7	0.0307642	1	0.224886	5.00047	5.5638	No change
NM_001080819	Arid1a	0.0308104	1	0.195228	6.89683	7.5172	No change
NM_172721	Fbxw8	0.0308398	1	0.19332	11.6062	12.6334	No change
NM_178196	Hist1h2bg	0.0310599	1	0.227162	63.6869	70.9738	No change
NM_028943	Sgms2	0.0311674	1	0.147864	19.6681	20.7437	No change
NM_010592	Jund	0.0312913	1	0.279139	8.35443	9.65362	No change
NM_001130185	Phf17	0.0316588	1	0.214574	8.13795	8.99002	No change
NM_001110196	Rnf146	0.031744	1	0.160741	21.3588	22.7291	No change
NM_016918	Nudt5	0.0317994	1	0.468698	4.51754	5.96376	No change
NM_026880	Pink1	0.0320352	1	0.131643	66.4528	69.3029	No change
NM_001026214	Entpd5	0.0325633	1	0.192033	12.0252	13.0778	No change
NM_011885	Mrps12	0.0329878	1	0.320686	25.6763	30.5427	No change
NM_019913	Txn2	0.0330042	1	0.226081	31.5303	35.1115	No change
NM_026111	Qpctl	0.0330314	1	0.372831	5.87412	7.24747	No change
NM_007534	Bcl2a1b	0.03331	1	0.617897	4.92594	7.23548	No change
NM_175388	Rnf169	0.0333327	1	0.275787	3.51581	4.05304	No change
NM_153398	Zbtb24	0.0334564	1	0.334454	5.63747	6.77082	No change
NM_001033274	Brd1	0.0335281	1	0.169509	16.1988	17.3433	No change
NM_001145433	1810013D10Rik	0.0336995	1	0.404247	10.7388	13.5455	No change
NM_009053	Rfng	0.0336995	1	0.404247	4.83705	6.10122	No change
NM_008609	Mmp15	0.0338803	1	0.862316	0.390893	0.687878	No change

NM_008961	Pter	0.0338803	1	0.862316	0.462053	0.813102	No change
NM_026686	O610011F06Rik	0.0339181	1	0.420744	11.5152	14.6946	No change
NM_023712	Spns1	0.0340739	1	0.34901	5.36695	6.51195	No change
NM_024437	Nudt7	0.034304	1	0.723908	2.37225	3.76457	No change
NM_028623	Cst6	0.034304	1	0.723908	0.652655	1.03571	No change
NM_027815	9030624J02Rik	0.0343193	1	0.337155	4.4033	5.29852	No change
NM_008576	Abcc1	0.0343478	1	0.200673	9.27437	10.1469	No change
NM_001039137	Scoc	0.034429	1	0.325359	9.34303	11.1501	No change
NM_025800	Ppp1r2	0.0345449	1	0.183208	17.0041	18.3795	No change
NM_207649	Rcan2	0.0347063	1	0.565551	1.38847	1.96395	No change
NM_024168	Tsen34	0.0347688	1	0.351105	10.5178	12.7804	No change
NM_175180	Wdr44	0.0348034	1	0.592508	1.01692	1.46655	No change
NM_001003719	Ralgapa1	0.0348199	1	0.119877	27.5036	28.4501	No change
NM_144789	Prdm15	0.0350081	1	0.407846	1.59242	2.01368	No change
NM_001164581	Zfp961	0.0351892	1	0.327776	6.23083	7.44851	No change
NM_001013028	Al597468	0.035367	1	0.240323	9.44489	10.6223	No change
NM_001146308	Dbnl	0.0355234	1	0.340861	6.53095	7.87913	No change
NM_007704	Inadl	0.0355771	1	0.317388	4.75467	5.64271	No change
NR_027943	1110038B12Rik	0.0356829	1	0.409679	17.1259	21.6843	No change
NM_019774	Akap8	0.0357026	1	0.166203	24.4821	26.1517	No change
NM_029347	Fggy	0.0357071	1	0.543248	2.70015	3.75869	No change
NM_029116	Kbtbd11	0.0358869	1	0.231491	5.63781	6.30179	No change
NM_016857	Exoc7	0.0361042	1	0.202175	16.4854	18.0551	No change
NM_008992	Abcd4	0.0362153	1	0.7699	0.882538	1.44889	No change
NM_198420	Arhgap39	0.0368794	1	0.247824	7.47485	8.4507	No change
NM_029366	2810422J05Rik	0.0370662	1	0.238034	30.548	34.3014	No change
NM_199062_2	Zfp781	0.0371471	1	0.300556	5.19227	6.08996	No change
NM_011026	P2rx4	0.0375198	1	0.464612	3.77664	4.97098	No change
NM_001039692	Arhgap12	0.0375522	1	0.199088	11.5924	12.669	No change
NM_008331	Ifit1	0.0377594	1	0.548258	1.92858	2.6942	No change
NM_138952	Ripk2	0.0377594	1	0.548258	2.67627	3.73872	No change
NM_145220	Appl2	0.0378778	1	0.219517	15.5478	17.2347	No change
NM_026934	Zc3h15	0.038025	1	0.2058	27.4935	30.1873	No change
NM_027136	Ovca2	0.0381689	1	0.325618	6.64747	7.93451	No change
NM_175028	Adnp2	0.0381752	1	0.293641	5.37508	6.274	No change
NM_010435	Hira	0.038494	1	0.417247	2.15244	2.73987	No change
NM_023186	Chia	0.0387038	1	1.77682	0.228651	0.847925	No change
NM_030137	Cstad	0.0387038	1	1.77682	0.426517	1.58169	No change
NR_003517	Pisd-ps1	0.0387955	1	0.190502	23.231	25.2374	No change
NR_003518	Pisd-ps3	0.0387955	1	0.190502	23.2962	25.3083	No change
NM_009886	Celsr1	0.0388123	1	0.350689	1.3371	1.62423	No change
NM_172569	Unk	0.038853	1	0.403361	2.8515	3.59438	No change
NM_013790	Abcc5	0.0392708	1	0.297369	3.79053	4.43597	No change
NR_030701	D430050G20	0.0392968	1	0.48783	1.32579	1.77401	No change
NM_153116	Gtpbp10	0.0394564	1	0.329584	5.87113	7.02729	No change
NM_016722	Galns	0.0394913	1	0.405086	4.06946	5.13586	No change
NM_181549	Clec18a	0.0395601	1	0.577255	2.4904	3.55205	No change
NM_026178	Mmd	0.0395891	1	0.508486	2.30476	3.12956	No change
NM_025432	Trappc2	0.0400567	1	0.633862	4.7373	7.03833	No change
NM_001163749	2310057J16Rik	0.0400925	1	0.310252	4.65593	5.49796	No change
NM_026565	Apool	0.0401215	1	0.737291	2.61349	4.18781	No change
NM_026312	2610029G23Rik	0.0407632	1	0.394483	4.3109	5.40008	No change
NM_025383	Necap2	0.0412893	1	0.275493	14.2403	16.4126	No change
NM_145382	Fam193b	0.0413309	1	0.294427	5.28196	6.16863	No change
NM_144556	Lgi4	0.0413472	1	0.396057	3.258	4.08567	No change
NM_017475	Rragc	0.0416807	1	0.249771	13.2379	14.9863	No change
NM_019835	B4galt5	0.0419546	1	0.371791	3.11662	3.84229	No change
NM_009539	Zap70	0.0420653	1	0.55864	2.26982	3.19437	No change
NM_008696	Map4k4	0.0420863	1	0.260385	5.55559	6.336	No change
NM_133704	Sec22a	0.0420895	1	0.242522	9.34011	10.5205	No change
NM_028019	Rnf135	0.0421211	1	0.58334	2.27685	3.26156	No change
NM_178263	Ankrd27	0.0421211	1	0.58334	2.31226	3.31228	No change
NM_001134902	AU019823	0.0421542	1	0.233659	12.2583	13.7225	No change
NM_009632	Parp2	0.042192	1	0.476425	4.05373	5.38031	No change
NM_133714	2310037I24Rik	0.0422482	1	0.307101	9.87592	11.6363	No change
NM_175375	Ankhd1	0.0422747	1	0.172527	11.0073	11.8096	No change
NM_027591	Dmrtc1a	0.0423058	1	0.27912	21.1258	24.4101	No change
NM_008316	Hus1	0.0423503	1	0.349303	3.33175	4.04324	No change
NR_028418	Tmem179b	0.0425396	1	0.399257	21.107	26.5285	No change
NM_001025432	Crebbp	0.0428922	1	0.183138	10.3699	11.2081	No change
NM_029330	Fpgt	0.0429409	1	0.299721	6.36657	7.46281	No change
NM_029097	Atp13a2	0.043152	1	0.400885	2.54483	3.20214	No change
NM_153573	Fkbp14	0.0431688	1	0.340626	6.16798	7.43976	No change
NM_001033039	Klhdc9	0.044143	1	0.447465	5.46787	7.10985	No change
NM_153118	Fnbp1l	0.044486	1	0.193551	13.3141	14.4946	No change
NM_173002	Zxdc	0.0447485	1	0.34518	3.87183	4.68505	No change

NM_178735	A730069N07Rik	0.0447701	1	0.589588	1.25771	1.80968	No change
NM_007679	Cebpd	0.0448585	1	0.710499	1.2335	1.93772	No change
NM_010112	Efs	0.0448585	1	0.710499	0.780655	1.22634	No change
NM_013933	Vapa	0.045111	1	0.161876	68.887	73.364	No change
NM_011774	Slc30a4	0.0455567	1	0.159924	21.5595	22.9296	No change
NM_181649	Ccdc75	0.0456266	1	0.435783	2.17014	2.7986	No change
NM_018742	Bet1l	0.0457114	1	0.282091	17.0191	19.7055	No change
NM_009367	Tgfb2	0.0462291	1	0.524643	1.23899	1.70171	No change
NM_001025572	Ankrd12	0.0462311	1	0.198525	7.30183	7.97677	No change
NM_019971	Pdgfc	0.0464522	1	0.505433	1.82567	2.47344	No change
NM_024182	Riok3	0.0465785	1	0.201691	17.2662	18.9037	No change
NM_172924	C230081A13Rik	0.0467856	1	0.213268	4.97671	5.49271	No change
NM_011596	Atp6v0a2	0.0467959	1	0.384927	4.10637	5.10925	No change
NM_025664	Snx9	0.0469456	1	0.547508	2.60023	3.63008	No change
NM_018871	Ywhag	0.0474761	1	0.263958	8.82803	10.0931	No change
NM_001033813	Zfp872	0.0475137	1	0.596007	1.45978	2.11007	No change
NR_030457	Mir686	0.0475137	1	0.596007	39.6419	57.3011	No change
NM_019651	Ptpn9	0.0476525	1	0.264586	7.78375	8.90307	No change
NM_145851	Cables2	0.0476819	1	0.296921	8.02238	9.38524	No change
NM_011382	Six4	0.048005	1	0.528892	1.03814	1.43015	No change
NM_001163919	Zfp960	0.0482839	1	0.442478	5.93526	7.69018	No change
NM_177185	Ubn2	0.0484852	1	0.153114	9.63985	10.2041	No change
NM_008783	Pbx1	0.0486332	1	0.474954	1.90168	2.52121	No change
NM_172400	Dnajc8	0.0487022	1	0.28378	19.1756	22.2284	No change
NM_016774	Atp5b	0.0487055	1	0.129894	126.033	131.279	No change
NM_201609	Zfp652	0.0488688	1	0.327058	7.03467	8.4048	No change
NM_026399	Wdr83	0.0489328	1	0.390564	9.79529	12.2358	No change
NM_010155	Erf	0.0489621	1	0.284619	7.58008	8.79199	No change
NM_001039534	Pstk	0.0490659	1	0.575186	4.19763	5.97728	No change
NM_001040026	Sco1	0.0492008	1	0.444772	2.06799	2.68377	No change
NM_008325	Idua	0.0492008	1	0.444772	2.6233	3.40443	No change
NM_001012704	Wfdc13	0.0492726	1	0.226434	44.7099	49.7991	No change
NM_008689	Nfkb1	0.0493972	1	0.278242	6.85421	7.91479	No change
NM_010747	Lyn	0.0495768	1	0.512951	1.84862	2.51787	No change
NM_199310	Ccdc32	0.0495768	1	0.512951	3.35421	4.56852	No change
NM_001177552	Bfar	0.0497654	1	0.287186	9.94477	11.5554	No change
NM_001170979	Gm6222	0.049851	1	0.418248	16.3983	20.8867	No change
NM_026551	Dcakd	0.049851	1	0.418248	6.01783	7.66496	No change
NM_010296	Gli1	0.0501124	1	0.628428	1.04673	1.54874	No change
NM_172821	Map3k13	0.0501124	1	0.628428	0.571339	0.845355	No change
NM_172580	Acot6	0.050234	1	0.722664	1.49178	2.36414	No change
NM_181418	Ushbp1	0.050234	1	0.722664	0.765856	1.21371	No change
NM_023202	Ndufa7	0.050366	1	0.245321	81.694	92.1963	No change
NM_025573	Srsf9	0.0505811	1	0.420101	8.81658	11.2444	No change
NM_001167883	Ankrd50	0.0506217	1	0.394949	2.42472	3.03815	No change
NM_001085493	2310030N02Rik	0.0508237	1	0.961852	1.22722	2.32872	No change
NM_001085532	Gm13276	0.0508237	1	0.961852	0.905722	1.71866	No change
NM_009225	Snrpb	0.0509488	1	0.204716	57.321	62.8891	No change
NM_172491	D130040H23Rik	0.0511336	1	0.803515	1.04435	1.75712	No change
NM_001081298	Lphn2	0.0512656	1	0.248738	6.33363	7.16486	No change
NR_033229	A230073K19Rik	0.0512656	1	0.248738	5.25948	5.94975	No change
NR_028576	Scarna13	0.0512745	1	0.333876	66.3742	79.6801	No change
NM_010634	Fabp5	0.0513204	1	0.659823	3.66411	5.54608	No change
NM_174870	Slc26a1	0.0513204	1	0.659823	1.05956	1.60377	No change
NM_001081319	C030046E11Rik	0.0513828	1	0.27723	4.61513	5.32547	No change
NM_008947	Psmc1	0.0514552	1	0.249442	25.551	28.9185	No change
NM_025554	Polr2e	0.0515973	1	0.270724	30.6289	35.1833	No change
NM_001160368	Rnf152	0.0517109	1	0.537663	0.671559	0.930908	No change
NM_207176	Tes	0.0517442	1	0.209538	24.9433	27.4581	No change
NM_134116	Gpsm3	0.0517522	1	0.85082	1.34923	2.35205	No change
NM_001085495	Arfgef2	0.0520155	1	0.203456	7.55219	8.27854	No change
NM_001001984	Kdm2a	0.0520542	1	0.169605	15.3296	16.4136	No change
NR_003961	Asb7	0.0520843	1	0.279483	5.65712	6.53808	No change
NM_011578	Tgfbr3	0.0523333	1	0.266167	5.36542	6.14368	No change
NM_008306	Ndst1	0.0526977	1	0.260602	5.67001	6.46734	No change
NM_025845	Prpf38b	0.052719	1	0.200053	23.347	25.5321	No change
NM_008185	Gstt1	0.0528569	1	0.425799	9.67771	12.3921	No change
NM_199029	Zfp395	0.0529593	1	0.502627	1.58206	2.13896	No change
NM_019831	Zmym3	0.0529868	1	0.180533	17.3526	18.7212	No change
NM_025295	Btd	0.0529913	1	0.401017	5.99316	7.54138	No change
NM_153405	Rbm45	0.0530615	1	0.454279	4.51884	5.90374	No change
NM_177622	Zfp595	0.0531339	1	0.440083	2.37124	3.06705	No change
NM_001098476	Grsf1	0.053322	1	0.185892	35.9548	38.935	No change
NM_172594	Dhx29	0.0535279	1	0.322633	4.89789	5.83367	No change
NM_172298	Tshz3	0.053595	1	0.470789	1.57443	2.08111	No change
NM_009480	Usf1	0.0536057	1	0.402576	6.35312	8.00306	No change

NM_178900	Prkd2	0.0536448	1	0.487072	1.99947	2.67359	No change
NM_172653	Slc39a10	0.0538053	1	0.172748	21.9011	23.501	No change
NM_027008	Kctd5	0.0538192	1	0.350153	6.66579	8.09365	No change
NM_028007	Itfg1	0.0538293	1	0.171165	33.2989	35.6922	No change
NM_029857	Tmco4	0.0540749	1	0.456743	2.55946	3.34967	No change
NM_001039530	Parp14	0.0541075	1	0.285807	3.78693	4.39597	No change
NM_145585	Thumpd1	0.0544258	1	0.235021	17.351	19.4417	No change
NM_145925	Pttg1ip	0.0547083	1	0.172821	49.0363	52.6212	No change
NM_001177845	Tirap	0.0547552	1	0.473585	1.64363	2.17686	No change
NM_009124	Atxn1	0.0548476	1	0.343677	3.18244	3.84665	No change
NM_001177607	0610010K14Rik	0.0551091	1	0.459242	11.9445	15.6598	No change
NM_001145952	Lpp	0.0552322	1	0.16239	8.70146	9.27025	No change
NM_176836	Fam76b	0.0553181	1	0.311563	6.05448	7.15564	No change
NM_178732	Zfp324	0.0554895	1	0.345397	3.99731	4.8374	No change
NM_015765	Hspa14	0.0557797	1	0.297959	13.9697	16.3544	No change
NM_001167908	Ppp1r3e	0.0559024	1	0.735343	1.42998	2.28708	No change
NM_011778	Coro1b	0.0561211	1	0.253258	20.8247	23.6318	No change
NR_028555	Snord89	0.0561465	1	0.912221	16.3111	29.7856	No change
NM_010686	Laptn5	0.0561595	1	0.408983	4.7082	5.95763	No change
NM_018864	Impa1	0.0562086	1	0.200349	28.1612	30.803	No change
NM_013585	Psmb9	0.0563667	1	0.616355	5.10159	7.48194	No change
NM_001166360	6030458C11Rik	0.0568008	1	0.593023	2.27984	3.28786	No change
NM_001033328	BC023829	0.0568216	1	0.410629	5.64131	7.14661	No change
NM_027830	Mcm9	0.0568893	1	0.36783	3.81485	4.68968	No change
NM_016658	Galt	0.0571245	1	0.64437	1.84686	2.76395	No change
NM_029983	Sla2	0.0574573	1	0.34185	7.11379	8.58744	No change
NR_030708_2	6820431F20Rik	0.0576221	1	0.14103	48.4197	50.826	No change
NM_019410	Pfn2	0.0576848	1	0.189336	43.6443	47.3749	No change
NM_026012	Nradd	0.0580235	1	0.573286	4.25103	6.04426	No change
NM_001082962	Snrpn	0.0580473	1	0.391193	6.14345	7.67707	No change
NM_019636	Tbc1d1	0.0580985	1	0.171177	22.1447	23.7365	No change
NM_026276	Aasdhppt	0.0583886	1	0.227714	18.3096	20.4116	No change
NM_017476	Akap8l	0.0585074	1	0.201081	36.1246	39.5335	No change
NM_026538	Ddx56	0.0585748	1	0.255629	11.6826	13.2793	No change
NM_028766	Tmem43	0.0585958	1	0.392571	4.45057	5.56695	No change
NM_033314	Sco2a1	0.0587514	1	0.453705	2.19464	2.86594	No change
NM_029031	Shpk	0.059136	1	0.500037	2.50604	3.38174	No change
NM_177460	Parp16	0.059168	1	0.517211	2.58226	3.52739	No change
NM_027185	Def6	0.0595413	1	0.623529	1.77523	2.61689	No change
NM_146215	Ftsjd1	0.0597497	1	0.456087	2.45494	3.21123	No change
NM_012058	Srp9	0.0599796	1	0.192039	63.0651	68.5842	No change
NM_001177793	Snap23	0.0602405	1	0.325139	9.64979	11.5133	No change
NM_001034030	Limk2	0.060302	1	0.245099	11.4997	12.9759	No change
NM_153563	Fam40a	0.060422	1	0.272871	10.1595	11.6874	No change
NM_019966	Mlycd	0.0604228	1	0.444244	4.48026	5.81165	No change
NM_130892	Rtn4ip1	0.0604387	1	0.408038	3.9043	4.93698	No change
NM_175429	Kctd12b	0.0604535	1	0.578818	1.01742	1.45229	No change
NM_001177646	Sirpa	0.0606935	1	0.368038	3.959	4.8675	No change
NM_001025103	Efcab4a	0.0608195	1	0.52103	3.75937	5.1492	No change
NM_175515	Intu	0.0609219	1	0.378067	2.22693	2.75728	No change
NM_001081011	Srgap2	0.0613344	1	0.228757	6.68324	7.4559	No change
NM_001025599	Trim26	0.0613963	1	0.287647	8.98632	10.4448	No change
NM_019653	Wsb1	0.0615285	1	0.300623	10.3	12.0805	No change
NM_010688	Lasp1	0.0615412	1	0.249207	12.3632	13.9901	No change
NM_001081316	Dsel	0.0615488	1	0.370195	2.60003	3.20151	No change
NM_001163780	Ick	0.0616577	1	0.321546	3.20893	3.81901	No change
NM_010302	Gna12	0.0616577	1	0.321546	11.4548	13.6326	No change
NM_001042491	Anapc5	0.0616617	1	0.178024	41.6774	44.8859	No change
NM_175521	6430598A04Rik	0.0618879	1	0.74857	0.736543	1.18934	No change
NM_011864	Papss2	0.0619508	1	0.561314	1.45713	2.05399	No change
NM_145387	Athl1	0.0619508	1	0.561314	1.78039	2.50967	No change
NM_145420	Ube2d1	0.0620749	1	0.506866	4.77282	6.47172	No change
NM_027808	Alpk1	0.0620773	1	0.390816	2.73249	3.41363	No change
NM_153591	Nars2	0.0622731	1	0.448645	2.46848	3.21195	No change
NM_198424	Orai3	0.0623663	1	0.381666	6.98326	8.66815	No change
NM_001146119	Fam49a	0.062406	1	0.605708	0.919509	1.33809	No change
NM_020611	Srd5a3	0.0625129	1	0.524923	3.54571	4.86994	No change
NM_028002	Dus4l	0.0628369	1	0.630913	2.24689	3.32967	No change
NM_026124	1110008F13Rik	0.0629988	1	0.340045	17.921	21.6057	No change
NM_153152	2410015M20Rik	0.0630016	1	0.182852	141.232	152.615	No change
NM_007572	C1qa	0.0631176	1	0.304996	23.1236	27.2036	No change
NM_172119	Dio3	0.0632997	1	1.87939	0.149235	0.614912	No change
NM_009800	Car11	0.0637964	1	1.33625	0.532377	1.34608	No change
NM_001024720	Hmcn1	0.0638545	1	0.54617	0.312047	0.435121	No change
NM_001166584	Tead1	0.0640969	1	0.32798	2.09177	2.50065	No change
NM_175374	Mtrf1l	0.064182	1	0.566367	1.99427	2.82124	No change

NM_009321	Tbca	0.0642205	1	0.343178	36.8555	44.5304	No change
NM_007433	Alplp2	0.0642502	1	0.528892	2.93687	4.04504	No change
NM_001081088	Lrp2	0.0643385	1	0.225981	3.7309	4.15419	No change
NM_178384	Zfp74	0.0647339	1	0.661343	0.957785	1.45091	No change
NM_019505	Dgke	0.0647455	1	0.303093	4.9513	5.81716	No change
NM_001163497	Cd160	0.065053	1	0.721537	1.16249	1.84005	No change
NM_054042	Cd248	0.065053	1	0.721537	1.1153	1.76535	No change
NM_001109040	Kif21a	0.0651717	1	0.216425	10.2716	11.3612	No change
NM_001164574	Kbtbd3	0.0651738	1	0.455471	3.90353	5.10362	No change
NM_177565	Zfp3	0.0653597	1	0.612308	2.36895	3.4636	No change
NM_033174	Snurf	0.0654597	1	0.399055	6.43864	8.09015	No change
NM_009546	Trim25	0.0656301	1	0.33921	3.47024	4.18125	No change
NM_172926	Snx14	0.0656549	1	0.226416	18.7445	20.8775	No change
NM_001039951	Zfp606	0.0660296	1	0.532939	2.64125	3.64829	No change
NM_008222	Hccs	0.0661585	1	0.471116	3.51098	4.6414	No change
NM_025877	Slc25a23	0.0662259	1	0.340721	5.70064	6.87588	No change
NM_146253	Zbtb6	0.0663339	1	0.289816	6.50058	7.56694	No change
NM_145514	Wdr26	0.0664328	1	0.174998	18.4938	19.8757	No change
NM_145147	Gtpbp6	0.0664847	1	0.571537	3.19336	4.53417	No change
NM_020507	Tob2	0.0666283	1	0.382742	3.55968	4.42178	No change
NM_030253	Parp9	0.0666716	1	0.423024	3.10358	3.9659	No change
NM_013771	Yme11	0.0666814	1	0.206479	17.0001	18.6741	No change
NM_008679	Ncoa3	0.0671147	1	0.239552	6.7	7.53085	No change
NM_030710	Slamf6	0.067147	1	0.797381	0.912883	1.52809	No change
NM_009804	Cat	0.0671562	1	0.309519	9.75319	11.5102	No change
NM_146216	Vac14	0.0672988	1	0.473751	2.73621	3.62389	No change
NM_001033466	Zbtb2	0.067504	1	0.448274	2.95876	3.84873	No change
NM_175657	Hist1h4n	0.0675476	1	0.310547	79.2981	93.6504	No change
NM_001195086	Ppfa1	0.0677267	1	0.221784	12.0992	13.4327	No change
NM_026057	Zfp422	0.0678482	1	0.415024	3.67732	4.67265	No change
NM_172592	Srek1	0.067864	1	0.196438	22.6935	24.7549	No change
NM_027297	Prpf4	0.0678961	1	0.330777	4.00565	4.79795	No change
NM_001033174	Osbp	0.0680069	1	0.211657	16.014	17.6543	No change
NM_029280	Mettl5	0.0681545	1	0.395748	13.7208	17.1999	No change
NM_010906	Nfix	0.0681742	1	0.426564	4.15283	5.31988	No change
NM_133673	Tor1b	0.0682262	1	0.269412	12.2317	14.0372	No change
NM_021435	Slc35b4	0.0683487	1	0.251769	12.0082	13.6125	No change
NM_007960	Etv1	0.0683498	1	0.378012	3.59346	4.44892	No change
NM_027919	Tha1	0.0684153	1	0.61909	2.31047	3.39446	No change
NM_008733	Nrap	0.068656	1	0.939825	0.266197	0.496191	No change
NM_020283	B3galt1	0.068656	1	0.939825	0.294004	0.548023	No change
NM_001101483	Tmem22	0.0688509	1	0.576827	3.20983	4.57469	No change
NM_001205336	Arap3	0.0688509	1	0.576827	0.937804	1.33657	No change
NM_019805	Anapc7	0.0688832	1	0.354863	6.38641	7.77953	No change
NM_177140	D230037D09Rik	0.0693446	1	0.507519	5.84148	7.92382	No change
NM_011239	Ranbp1	0.0695828	1	0.264069	46.1348	52.7478	No change
NM_027264	Zfp715	0.0696663	1	0.278196	8.11698	9.37223	No change
NM_010744	Tmed1	0.0697752	1	0.38144	9.84231	12.2146	No change
NM_010491	Iapp	0.0698163	1	0.64635	5.51527	8.26371	No change
NM_027835	Ifih1	0.0698819	1	0.39985	2.34877	2.95281	No change
NM_178114	Amigo2	0.0700635	1	0.373651	4.81389	5.94163	No change
NM_007858	Diap1	0.0700782	1	0.248631	10.7159	12.121	No change
NM_008976	Ptpn14	0.0701071	1	0.365638	1.52437	1.87095	No change
NM_019749	Gabarap	0.0704937	1	0.167574	145.659	155.739	No change
NM_013716	G3bp1	0.0707584	1	0.254664	16.4304	18.663	No change
NM_011104	Prkce	0.0708558	1	0.510926	1.11437	1.51526	No change
NM_029001	Elovl7	0.070984	1	0.602354	0.846006	1.22799	No change
NM_176785	Hps6	0.070984	1	0.602354	1.70613	2.47647	No change
NM_028262	Setd3	0.0710084	1	0.189899	39.6674	43.0746	No change
NM_153547	Gnl3	0.0712107	1	0.277663	18.422	21.2629	No change
NM_178611	Lair1	0.0712928	1	0.582242	1.57696	2.25616	No change
NM_026555	Rcn3	0.0713955	1	0.423338	7.77031	9.93117	No change
NM_019745	Pdcd10	0.0715798	1	0.320876	12.5224	14.8957	No change
NM_028446	Trip11	0.0718547	1	0.184284	18.7851	20.3193	No change
NM_212484	Cnot6	0.0718975	1	0.257912	17.2212	19.6055	No change
NM_026242	Mrfap1	0.0719175	1	0.174453	89.6602	96.3232	No change
NM_173010	Ube3a	0.0720952	1	0.219228	17.961	19.905	No change
NM_001163704	Fbxo6	0.0721552	1	0.328449	15.4602	18.4878	No change
NM_029466	Arl5b	0.0724294	1	0.396585	3.74255	4.69418	No change
NM_011049	Cdk16	0.0725656	1	0.272327	12.2112	14.042	No change
NM_147153	Vps39	0.0726827	1	0.24484	11.5359	13.0142	No change
NM_133808	Hdlbp	0.0726869	1	0.122163	102.517	106.213	No change
NM_011116	Pld3	0.0728526	1	0.209432	37.5839	41.3694	No change
NM_007737	Col5a2	0.0729732	1	0.437692	1.58034	2.04032	No change
NM_011278	Rnf4	0.0731343	1	0.201638	31.3808	34.355	No change
NM_007395	Acvr1b	0.0736346	1	0.314449	7.67749	9.09162	No change

NM_026490	Mrpl19	0.0737683	1	0.38247	2.98525	3.70738	No change
NM_144801	Tmem143	0.0738108	1	0.587786	2.28133	3.27677	No change
NM_022022	Ube4b	0.0738146	1	0.251745	8.56611	9.71029	No change
NM_008875	Pld1	0.073838	1	0.60862	0.9185	1.33917	No change
NM_212468	Ssbp1	0.073838	1	0.60862	3.10702	4.53002	No change
NM_145554	Ldlrap1	0.0739811	1	0.517921	2.55706	3.49413	No change
NM_001081222	Esco1	0.0740369	1	0.225451	14.4912	16.1292	No change
NM_029614	Prss23	0.0741237	1	0.280874	10.7153	12.3954	No change
NM_028029	Dnmbp	0.0741557	1	0.290121	6.4668	7.52908	No change
NM_175229	Srrm2	0.0742531	1	0.144562	36.5321	38.4416	No change
NM_175329	Chchd10	0.0743879	1	0.452177	10.2187	13.3283	No change
NM_019492	Rgs3	0.0745126	1	0.334245	4.56323	5.47895	No change
NM_001081061	Bdp1	0.0746249	1	0.215406	7.69917	8.50985	No change
NM_019403	Rnf5	0.0746751	1	0.441581	9.36835	12.1282	No change
NM_133826	Atp6v1h	0.0747368	1	0.322849	11.9564	14.2419	No change
NM_025541	Asf1a	0.0755586	1	0.349626	8.78348	10.6601	No change
NM_145079	Ugt1a6a	0.0759995	1	0.219788	22.1405	24.5463	No change
NM_001171005	Prkd3	0.0761434	1	0.286111	6.58127	7.64094	No change
NM_145958	Kbtbd2	0.0763449	1	0.291095	8.25216	9.6142	No change
NM_009515	Was	0.0764094	1	0.593464	2.32975	3.35984	No change
NM_001134384	Iqsec1	0.0766886	1	0.256077	7.14111	8.11935	No change
NM_145577	Zfp772	0.0768023	1	0.574989	1.91077	2.71936	No change
NM_026275	Ube2r2	0.0770836	1	0.288507	9.95313	11.575	No change
NM_011099	Pkm2	0.0771552	1	0.159951	102.791	109.324	No change
NM_025441	Nemf	0.0771677	1	0.195598	29.2891	31.9307	No change
NM_001081320	Cyb561d1	0.0771745	1	0.407586	3.0764	3.88846	No change
NR_002860	A130040M12Rik	0.0772977	1	0.257723	14.2111	16.1764	No change
NM_001168292	R3hdm2	0.0777005	1	0.400012	3.37224	4.23976	No change
NM_013872	Pmm1	0.0778034	1	0.409022	10.3499	13.095	No change
NM_173748	Nudcd3	0.0778279	1	0.24584	13.3863	15.112	No change
NM_007872	Dnmt3a	0.0780661	1	0.304739	2.92803	3.4439	No change
NM_025338	Aurkaip1	0.0780732	1	0.282517	44.5578	51.6026	No change
NM_172255	Wdr11	0.0782093	1	0.267307	9.12901	10.461	No change
NM_009777	C1qb	0.0782395	1	0.343193	19.3774	23.4116	No change
NM_172291	Foxred1	0.0782659	1	0.27501	17.6809	20.3695	No change
NM_019742	Tusc2	0.0782942	1	0.356105	11.2029	13.658	No change
NM_146175	Zfp282	0.0785232	1	0.485824	1.57513	2.10382	No change
NM_153543	Aldh1l2	0.0788809	1	0.720512	0.496981	0.785772	No change
NM_026825	Lrrc16a	0.079279	1	0.221734	14.4304	16.02	No change
NR_027905	LOC106740	0.0793185	1	0.514817	6.53371	8.90789	No change
NM_001164709	Synn1	0.0794886	1	0.33432	7.18715	8.62972	No change
NM_026129	Erp29	0.0798697	1	0.206964	75.6362	83.1112	No change
NM_025846	Rras2	0.0798934	1	0.309202	12.2231	14.4213	No change
NM_007929	Emp2	0.0799623	1	0.381139	4.5584	5.65563	No change
NM_025918	Ccdc43	0.0799623	1	0.381139	6.7971	8.43318	No change
NM_026688	Ndufs3	0.0800295	1	0.300268	32.1774	37.7284	No change
NM_008957	Ptch1	0.0800982	1	0.347574	4.67857	5.6699	No change
NM_146229	Dync1li1	0.080119	1	0.453829	4.86309	6.35006	No change
NM_001076681	1810012P15Rik	0.0805001	1	0.249955	10.3029	11.6644	No change
NM_010567	Inpp1	0.0806457	1	0.269974	8.29279	9.52036	No change
NM_025542	2410001C21Rik	0.0806585	1	0.311047	12.8519	15.1827	No change
NM_011935	Esrrg	0.0806821	1	0.532684	1.24546	1.71971	No change
NM_178775	Rps6kc1	0.0807378	1	0.343056	5.25096	6.34348	No change
NM_057172	Fubp1	0.0808236	1	0.221333	11.7891	13.0841	No change
NM_001111065	Reps1	0.0808554	1	0.337551	8.65324	10.4135	No change
NM_010303	Gna13	0.0808805	1	0.234024	10.3465	11.5848	No change
NM_001177402	1110001A16Rik	0.0810772	1	0.455961	7.3061	9.55434	No change
NM_198886	Zbtb12	0.0813541	1	0.671337	1.97495	3.01248	No change
NM_028976	Gorasp1	0.0814168	1	0.238153	17.5483	19.7049	No change
NM_001163514	Extl2	0.0817499	1	0.318504	9.22152	10.9507	No change
NM_007825	Cyp7b1	0.0819819	1	0.791927	1.09398	1.82295	No change
NM_144557	Myrip	0.082117	1	0.969465	0.292704	0.557805	No change
NM_172674	Phf20	0.0822573	1	0.285022	6.26057	7.263	No change
NM_029607	2310003C23Rik	0.0825735	1	0.341556	11.6406	14.0477	No change
NM_025511	Fam36a	0.082796	1	0.36652	39.669	48.7153	No change
NM_033325	Loxl2	0.0829938	1	0.628428	0.834163	1.23347	No change
NM_133949	Ptov1	0.0831121	1	0.279694	20.3194	23.4855	No change
NR_030494	Mir715	0.0833222	1	0.396409	131.149	164.467	No change
NM_001164048	Mb	0.0833561	1	0.832084	2.15991	3.70821	No change
NM_025461	Cox16	0.08341	1	0.327413	12.2146	14.5955	No change
NM_001111311	Lrrfip1	0.083472	1	0.484223	2.32183	3.09748	No change
NM_007926	Aimp1	0.0834906	1	0.246336	50.3131	56.8185	No change
NM_008210	H3f3a	0.0835198	1	0.163814	222.357	237.124	No change
NM_134007	Cisd1	0.0840244	1	0.297162	33.5104	39.2061	No change
NM_027360	2010107E04Rik	0.08419	1	0.245479	157.716	178.002	No change
NM_023220	2010106G01Rik	0.084229	1	0.237936	11.3257	12.7156	No change

NM_007508	Atp6v1a	0.0842389	1	0.180969	41.5226	44.8102	No change
NM_175279	Rassf10	0.0842661	1	0.731984	0.837033	1.3344	No change
NM_001167768	1110057K04Rik	0.0846993	1	0.611354	3.92059	5.7264	No change
NM_172424	Med13l	0.084993	1	0.295494	3.569	4.17075	No change
NM_009224	Snmp70	0.0850044	1	0.212035	57.3191	63.2058	No change
NM_010724	Psmb8	0.0850513	1	0.557955	4.84374	6.80928	No change
NM_028069	Cdhr5	0.0850769	1	0.464762	4.4554	5.86254	No change
NM_172937	Shprh	0.0852343	1	0.277893	5.40021	6.23381	No change
NM_001104646	AW209491	0.0852839	1	0.425799	6.20529	7.94393	No change
NM_025521	2310011J03Rik	0.0853377	1	0.365834	10.9644	13.4581	No change
NM_007795	Ctf1	0.0854614	1	0.656004	2.90171	4.37685	No change
NM_001081413	Unc13b	0.0855525	1	0.254316	8.22232	9.33711	No change
NM_001004150	A4galt	0.0857904	1	0.528892	3.26477	4.49551	No change
NM_019676	Plcd1	0.0858521	1	0.418334	4.78646	6.09546	No change
NM_001193271	Meis1	0.0858717	1	0.477667	2.59247	3.44246	No change
NM_001081181	9430016H08Rik	0.0862555	1	0.635392	3.20851	4.768	No change
NM_175638	Wnk4	0.0862555	1	0.635392	1.0249	1.52305	No change
NM_026554	Ncbp2	0.0863787	1	0.298773	15.9777	18.7143	No change
NM_013678	Surf2	0.0865335	1	0.395953	13.0061	16.3046	No change
NM_026252	Cpeb4	0.0866959	1	0.299517	14.017	16.4262	No change
NM_025408	Acer3	0.0867104	1	0.335027	5.78771	6.95265	No change
NM_009744	Bcl6	0.0868093	1	0.709013	0.975913	1.52979	No change
NM_177240	D030016E14Rik	0.086844	1	0.231038	16.754	18.7201	No change
NM_173007	Tspan12	0.087394	1	0.376889	6.82935	8.44769	No change
NM_001167799	Stx5a	0.0875918	1	0.277006	22.7569	26.2534	No change
NM_007802	Ctsk	0.0877523	1	0.882529	1.22268	2.17989	No change
NM_175549	Robo2	0.0877523	1	0.882529	0.225179	0.401466	No change
NM_017372	Lyz2	0.0879005	1	0.271554	41.6048	47.8154	No change
NM_019583	Il17rb	0.0879269	1	0.406637	6.72921	8.49927	No change
NM_001205371	Casc4	0.0880098	1	0.252516	14.5561	16.5089	No change
NM_010907	Nfkbia	0.0880625	1	0.338103	14.6536	17.6408	No change
NM_145954	Aldh16a1	0.0881855	1	0.399609	5.67426	7.13155	No change
NM_007714	Clk4	0.0882199	1	0.291929	18.7493	21.856	No change
NM_001168658	Ccdc127	0.0885795	1	0.461778	1.71693	2.25437	No change
NM_001081256	Kdm3b	0.0887219	1	0.270547	6.31078	7.24774	No change
NM_183034	Plekhm1	0.0887525	1	0.400849	2.82686	3.55595	No change
NM_175381	2700081O15Rik	0.0890612	1	0.52194	1.43884	1.97141	No change
NM_026737	Phf5a	0.0890722	1	0.362056	11.6719	14.2885	No change
NM_133667	Pdk2	0.0891587	1	0.223246	37.11	41.2409	No change
NM_008841	Pik3r2	0.0891813	1	0.340626	7.23624	8.72673	No change
NM_207237	Man1c1	0.0892642	1	0.664052	0.812961	1.23331	No change
NM_001162883	Apol9a	0.089404	1	1.46178	0.472494	1.31414	No change
NR_038011	C730036E19Rik	0.089404	1	1.46178	0.263988	0.734226	No change
NM_026382	Snmp48	0.0894342	1	0.602141	2.7659	4.01291	No change
NM_020006	Cdc42ep4	0.0898499	1	0.223219	26.1429	29.0525	No change
NM_026856	Zfp644	0.0898677	1	0.188269	27.7547	30.1043	No change
NM_001080548	Usp6nl	0.0898891	1	0.306903	6.44342	7.58984	No change
NM_009306	Syt1	0.089919	1	0.743905	0.756729	1.2168	No change
NM_010018	Dao	0.089919	1	0.743905	1.66905	2.68377	No change
NM_021448	Elp2	0.0899752	1	0.337459	8.4711	10.1933	No change
NM_001030307	Dkc1	0.0900044	1	0.552739	2.21287	3.09908	No change
NM_021880	Prkar1a	0.0901957	1	0.222346	26.0274	28.9065	No change
NM_001169131	Papd7	0.0905866	1	0.383944	4.13551	5.14077	No change
NM_011995	Pclo	0.0906797	1	0.62405	0.225555	0.332432	No change
NM_026579	D10Wsu102e	0.0909525	1	0.29476	10.0895	11.7844	No change
NM_015772	Sall2	0.0909968	1	0.456929	2.04208	2.67209	No change
NM_145392	Bag2	0.0910293	1	0.413415	7.44927	9.45347	No change
NM_198247	Sertad4	0.0911888	1	0.500878	2.41613	3.26128	No change
NM_197979	Uqcr10	0.0916532	1	0.271775	103.67	119.163	No change
NM_030013	Cyp20a1	0.0918296	1	0.719576	2.0894	3.30018	No change
NM_001013012	Zfp787	0.0918791	1	0.423183	6.71607	8.58165	No change
NM_172650	Kctd3	0.091945	1	0.315489	7.88586	9.34465	No change
NM_001195075	Kihl3	0.0920078	1	0.556985	2.8632	4.0219	No change
NM_028031	Zdhhc13	0.0920078	1	0.556985	2.54798	3.57911	No change
NM_027342	Fam162a	0.0930588	1	0.349233	34.5721	41.944	No change
NM_001159563	Orc3	0.093091	1	0.252919	9.26662	10.5127	No change
NR_027770	Deaf1	0.0931136	1	0.442803	5.60708	7.26414	No change
NM_001162980	1700024P16Rik	0.0931189	1	0.376889	5.64477	6.98222	No change
NM_001197024	Unkl	0.0934639	1	0.383799	3.53208	4.39015	No change
NM_183021	Thada	0.0935701	1	0.215155	12.9747	14.3382	No change
NM_011159	Prkdc	0.0937213	1	0.308074	2.51299	2.9625	No change
NM_053201	Magee1	0.0937742	1	0.576482	1.60555	2.28686	No change
NM_025498	Psenen	0.0938019	1	0.355969	32.166	39.2089	No change
NM_027857	Acy3	0.0938173	1	0.630646	2.96763	4.39439	No change
NM_001014973	Snx13	0.0946338	1	0.263358	8.39539	9.59365	No change
NM_011244	Rarg	0.0949312	1	0.465327	3.44045	4.52847	No change

NM_030565	Fam20c	0.0950354	1	0.613928	1.6024	2.34439	No change
NM_173754	Usp43	0.0950354	1	0.613928	1.07773	1.57676	No change
NM_017478	Copg2	0.0953754	1	0.202069	42.7747	46.8422	No change
NM_016681	Chek2	0.0958534	1	0.756303	1.24064	2.01283	No change
NM_133211	Tlr7	0.0958534	1	0.756303	0.744185	1.20738	No change
NM_026195	Atic	0.0958957	1	0.409053	5.49856	6.95638	No change
NM_010015	Dad1	0.0962692	1	0.2719	13.716	15.767	No change
NM_027823	Arhgap42	0.0964286	1	0.37243	3.46917	4.2777	No change
NM_001098840	Gm13277	0.0964664	1	1.00138	0.905722	1.76777	No change
NM_001165929	Ccdc78	0.0967644	1	0.657477	2.44833	3.69608	No change
NM_134006	Rdh5	0.0969157	1	0.947845	1.21686	2.27908	No change
NM_001004062	Crtc1	0.0971199	1	0.479983	1.6459	2.1889	No change
NM_026079	Ikbkap	0.0971895	1	0.26683	8.38352	9.60321	No change
NM_153056	Sirt7	0.0976375	1	0.405811	8.65574	10.9256	No change
NM_001130444	Hras1	0.0980529	1	0.325036	12.4233	14.8195	No change
NM_181409	Mtmr11	0.0982687	1	0.482394	3.29629	4.3912	No change
NM_147201	Nrbp1	0.0983107	1	0.333511	12.2166	14.6594	No change
NM_001162945	Mtx3	0.0983978	1	0.308005	5.30888	6.25811	No change
NM_021457	Fzd1	0.0985868	1	0.528892	1.65557	2.27934	No change
NM_175276	Fhod3	0.0985868	1	0.528892	1.34	1.84488	No change
NM_008445	Kif3c	0.0987366	1	0.330407	3.94815	4.72737	No change
NM_008305	Hspg2	0.0987862	1	0.401588	1.08642	1.36725	No change
NM_144522	Tbc1d10b	0.0989458	1	0.3778	5.07314	6.27898	No change
NM_010073	Dpm2	0.0990047	1	0.415645	16.2698	20.6785	No change
NM_001177602	Ak4	0.099187	1	0.327483	5.4278	6.48579	No change
NM_010597	Kcnab1	0.0993026	1	0.604841	1.70381	2.47638	No change
NM_027375	Gcc2	0.0993356	1	0.233192	12.8982	14.4332	No change
NM_008249	Tfb2m	0.0993977	1	0.42371	5.43764	6.95035	No change
NM_026144	Dhdds	0.0994373	1	0.317045	9.90491	11.7497	No change
NM_031201	Tsta3	0.099639	1	0.292487	30.1719	35.1841	No change
NM_001025067	Lrig2	0.0998601	1	0.259971	8.17265	9.31708	No change
NM_001178012	Sfxn3	0.099911	1	0.403957	5.3236	6.71084	No change
NM_009296	Supt4h1	0.100213	1	0.457809	15.5879	20.4081	No change
NM_001114660	Scfd2	0.100251	1	0.38057	4.93469	6.11944	No change
NM_027357	Psmc1	0.100426	1	0.276305	14.7049	16.9555	No change
NM_028152	Mms19	0.100504	1	0.267554	13.4289	15.3902	No change
NM_007840	Ddx5	0.100536	1	0.144683	226.403	238.256	No change
NM_025313	Atp5d	0.100623	1	0.300351	39.5251	46.3441	No change
NM_001177760	Trnfaip8	0.100992	1	0.626305	1.87753	2.77118	No change
NM_029096	1110008J03Rik	0.100992	1	0.626305	2.97226	4.38697	No change
NM_001080387	Srsf10	0.101112	1	0.235747	30.5356	34.2302	No change
NM_027872	Slc46a3	0.101152	1	0.547365	2.76354	3.85495	No change
NM_144833	Zfp410	0.101162	1	0.371746	8.41122	10.3664	No change
NM_152810	Cdc5l	0.101212	1	0.264953	18.5475	21.2181	No change
NM_019767	Arpc1a	0.101263	1	0.293244	25.1474	29.3403	No change
NM_001170433	Ppfbp1	0.101273	1	0.304727	7.26236	8.54128	No change
NM_207670	Gripap1	0.101394	1	0.52232	2.59977	3.56252	No change
NM_010043	Des	0.101402	1	0.451627	5.25373	6.84837	No change
NM_133968	Snopc2	0.101402	1	0.451627	7.45724	9.72071	No change
NM_023239	Ndnf2	0.101474	1	0.357679	15.7323	19.1993	No change
NM_001036293	Nrbf2	0.101509	1	0.428129	7.3238	9.39021	No change
NM_025567	Cyc1	0.101525	1	0.377783	15.643	19.3607	No change
NM_175675	4930471M23Rik	0.101712	1	0.34077	8.20848	9.89979	No change
NM_177863	Frem1	0.101769	1	0.345028	2.62088	3.17031	No change
NM_001044384	Timp1	0.101798	1	0.870584	2.19259	3.87187	No change
NR_033599	Gm6682	0.102151	1	0.228675	70.1081	78.2057	No change
NM_172496	Cobl	0.102711	1	0.564516	1.10407	1.55901	No change
NM_030880	Paccin3	0.102744	1	0.502257	4.57372	6.17889	No change
NM_028043	D1Bwg0212e	0.103424	1	0.411307	4.68875	5.94101	No change
NM_025510	2310004I24Rik	0.103587	1	0.483428	6.35271	8.46864	No change
NM_001100591	Rc3h2	0.103628	1	0.215321	13.5421	14.9668	No change
NM_145391	Tapbp1	0.10377	1	0.393613	8.13589	10.1816	No change
NM_172538	Vezt	0.103844	1	0.313261	7.43765	8.79956	No change
NM_011796	Capn10	0.103852	1	0.319664	10.8767	12.9259	No change
NM_153145	Abca8a	0.104154	1	0.383275	3.25134	4.03952	No change
NM_010878	Nck1	0.104275	1	0.273604	30.6897	35.3203	No change
NM_007567	Bsn	0.104276	1	0.394664	1.0539	1.31987	No change
NM_016804	Mtx2	0.104425	1	0.373499	15.6781	19.3459	No change
NM_001195632	Arhgap32	0.105123	1	0.277497	4.6864	5.40812	No change
NR_030423	Mir671	0.105291	1	1.69882	4.97807	16.8489	No change
NM_001085373	Mcc	0.105472	1	0.507875	1.06429	1.44349	No change
NM_183016	Cdc42bpb	0.105565	1	0.248369	10.9239	12.3534	No change
NM_011822	Pigq	0.105634	1	0.302516	12.2708	14.4094	No change
NM_001159513	H2afy	0.105638	1	0.253085	35.0777	39.7984	No change
NM_053161	Mrp127	0.105783	1	0.429759	18.2347	23.4058	No change
NM_001145813	Elf5	0.105899	1	0.841775	1.01718	1.75759	No change

NM_027270	Exoc1	0.106087	1	0.34592	7.44273	9.00848	No change
NM_001101603	Gm8439	0.10612	1	1.16116	2.32864	5.14017	No change
NM_009627	Adm	0.10612	1	1.16116	0.706518	1.55954	No change
NM_178682	4933426M11Rik	0.106319	1	0.259372	12.7899	14.5746	No change
NM_001161406	Grhl1	0.106346	1	0.398946	4.76275	5.98258	No change
NM_001165256	Dcaf4	0.10646	1	0.479808	4.84551	6.44278	No change
NM_013497	Creb3	0.106917	1	0.329394	18.5466	22.1908	No change
NM_008359	Il17ra	0.106943	1	0.559266	1.63261	2.29659	No change
NM_177658	Ralgapb	0.107087	1	0.238141	10.4548	11.7392	No change
NM_011014	Sigmar1	0.107171	1	0.41904	9.06753	11.5515	No change
NM_178619	1810026J23Rik	0.107248	1	0.303211	12.1359	14.2578	No change
NM_001085376	Pappa2	0.107333	1	0.639316	0.527669	0.786063	No change
NM_001199347	Foxp3	0.10747	1	0.658851	1.09123	1.64864	No change
NR_030719	Gm8979	0.107525	1	0.440557	3.6702	4.74686	No change
NM_148945	Rps6ka3	0.107532	1	0.589193	2.53942	3.64929	No change
NM_008034	Folr1	0.107542	1	0.348928	19.2387	23.3349	No change
NM_028876	Tmed5	0.107713	1	0.318271	8.76968	10.4117	No change
NM_025701	Trappc5	0.107823	1	0.427013	6.75	8.64739	No change
NM_080452	Mrps2	0.107823	1	0.427013	6.6039	8.46022	No change
NM_001037759	Sgk3	0.107941	1	0.357877	4.26217	5.20205	No change
NM_028136	Dhx36	0.108052	1	0.233187	19.3179	21.6167	No change
NM_031179	Sf3b1	0.108063	1	0.166977	71.7076	76.6373	No change
NM_134137	Lars	0.108144	1	0.248127	20.0692	22.6917	No change
NM_023059	Sigirr	0.108186	1	0.474257	5.14817	6.81834	No change
NM_001205101	Gm13212	0.108196	1	0.502897	5.25113	7.09688	No change
NM_133214	BC017612	0.108302	1	0.513658	8.7024	11.8512	No change
NM_001025373	Zfp943	0.10846	1	0.346936	9.2788	11.2387	No change
NM_001102458	Azin1	0.108467	1	0.213537	27.3061	30.1414	No change
NM_133780	Tpr	0.108561	1	0.220414	16.0063	17.7528	No change
NM_008702	Nlk	0.108609	1	0.311432	7.90556	9.34113	No change
NM_026452	Coq9	0.108622	1	0.382145	11.2381	13.9511	No change
NM_009439	Psmc3	0.109062	1	0.383041	8.82929	10.9676	No change
NM_001081020	Adamts6	0.109203	1	0.577802	1.24297	1.7717	No change
NM_145466	A2ld1	0.109276	1	0.378588	18.2145	22.5553	No change
NM_010411	Hdac3	0.109355	1	0.259327	33.0564	37.6679	No change
NM_027629	Pgm2l1	0.109498	1	0.313256	4.0801	4.82712	No change
NM_001033275	Gxylt1	0.109621	1	0.361316	3.46651	4.2411	No change
NM_026164	Pnpla8	0.109671	1	0.242329	19.3539	21.7949	No change
NM_001171052	Mta3	0.109757	1	0.516614	3.05053	4.16296	No change
NM_028428	Fut11	0.109911	1	0.46912	3.1887	4.20784	No change
NM_009305	Syp	0.110522	1	0.976351	0.589666	1.12806	No change
NM_001110231	Celf2	0.110544	1	0.324073	3.51264	4.18721	No change
NM_146011	Arhgap9	0.110573	1	0.817462	1.30843	2.21993	No change
NM_001163126	Cog5	0.110618	1	0.367611	7.23207	8.88704	No change
NM_023422	Hist1h2bc	0.110629	1	0.263491	87.4991	99.9946	No change
NM_009968	Cryz	0.110765	1	0.447149	5.56027	7.22466	No change
NM_175179	Fam123b	0.110857	1	0.397027	2.04108	2.56033	No change
NM_010811	Ndst2	0.110991	1	0.319113	8.61574	10.2349	No change
NM_009908	Cmas	0.11102	1	0.402813	9.42439	11.87	No change
NM_023179	Atp6v1g2	0.111022	1	0.554427	4.52491	6.34298	No change
NM_001129999	Cep250	0.111035	1	0.285621	6.07051	7.04503	No change
NR_015467	5530601H04Rik	0.111182	1	0.666396	1.10179	1.67358	No change
NM_001033420	Dock1	0.111365	1	0.364854	3.27245	4.01355	No change
NM_008095	Gbas	0.111365	1	0.364854	10.63	13.0374	No change
NM_207525	Opa3	0.111429	1	0.48084	4.44061	5.90846	No change
NM_001013770	Lipo1	0.111468	1	0.322975	11.9613	14.2474	No change
NM_133223	Rac3	0.111508	1	1.03585	1.1637	2.33088	No change
NM_025709	Gapvd1	0.111835	1	0.22898	18.4567	20.5927	No change
NM_027652	Ept1	0.11192	1	0.302757	5.95103	6.98925	No change
NM_011235	Rad51l3	0.112211	1	0.347169	3.7013	4.48376	No change
NM_145965	Gphn	0.112241	1	0.389489	5.59655	6.9833	No change
NM_172960	Adck5	0.112241	1	0.491556	4.6599	6.2473	No change
NM_011503	Stxbp2	0.112429	1	0.380248	7.34831	9.10999	No change
NM_011484	Stam	0.112479	1	0.411428	4.27773	5.42039	No change
NM_016710	Hmgn5	0.112503	1	0.599282	2.88712	4.17871	No change
NM_153484	Tef	0.112771	1	0.281417	12.5249	14.4931	No change
NM_153064	Ndufs2	0.112884	1	0.232026	66.0477	73.8473	No change
NM_144885	BC005624	0.113027	1	0.376889	15.429	19.083	No change
NM_172566	Rundc1	0.113076	1	0.424642	4.48723	5.73881	No change
NM_009216	Sstr1	0.113247	1	1.76593	0.108079	0.389664	No change
NM_177089	Tacc1	0.113295	1	0.195355	29.444	32.0937	No change
NM_026908	Cab39l	0.113318	1	0.275444	18.5649	21.3931	No change
NM_011305	Rxra	0.113361	1	0.329763	5.88824	7.04688	No change
NM_153422	Pde5a	0.113447	1	0.503507	1.32591	1.79264	No change
NM_172589	Lhfpl2	0.113461	1	0.353321	5.75432	7.00078	No change
NM_011829	Impdh1	0.113701	1	0.514034	3.50201	4.77016	No change

NM_145969	Fam116a	0.113807	1	0.587107	2.18115	3.12949	No change
NM_172911	D8Erttd82e	0.113807	1	0.587107	1.22473	1.75723	No change
NM_007748	Cox6a1	0.113842	1	0.253258	144.224	163.651	No change
NM_001165949	Pias3	0.113914	1	0.634687	1.61304	2.39466	No change
NM_008255	Hmgcr	0.113934	1	0.221708	29.385	32.6205	No change
NM_008956	Ptbp1	0.114022	1	0.248806	28.8536	32.6391	No change
NM_001004156	Plekhg5	0.114286	1	0.525753	1.93168	2.65311	No change
NM_010839	Mtcp1	0.114296	1	0.618647	5.25035	7.70512	No change
NM_177919	Tceal5	0.114377	1	0.765932	2.81241	4.59293	No change
NM_153569	Gak	0.114873	1	0.239821	21.5981	24.2796	No change
NM_001114609	Ino80d	0.114998	1	0.269232	4.61563	5.29584	No change
NM_028730	Pex26	0.115114	1	0.428728	3.47953	4.46278	No change
NR_033554	D330041H03Rik	0.115193	1	0.441909	8.78206	11.3685	No change
NM_145478	Pim3	0.115454	1	0.435783	5.61807	7.24142	No change
NM_183221	Fat4	0.11567	1	0.317684	2.21969	2.63416	No change
NM_001111121	Ccdc6	0.115789	1	0.299291	7.91649	9.27512	No change
NM_011729	Ercc5	0.115845	1	0.40178	4.31019	5.4246	No change
NM_010901	Nfatc3	0.115913	1	0.275685	9.65318	11.1256	No change
NM_009682	Ap3s2	0.115949	1	0.365918	3.95055	4.84874	No change
NM_009461	Ubr1	0.116075	1	0.241219	12.3474	13.8938	No change
NM_011448	Sox9	0.116194	1	0.437262	3.26108	4.20772	No change
NM_025443	Pno1	0.116302	1	0.366621	14.6253	17.9592	No change
NM_023045	Xpo7	0.116308	1	0.256913	4.99256	5.67946	No change
NM_183165	Pyroxd1	0.116761	1	0.408862	7.66461	9.69428	No change
NM_001102471	Cnrm2	0.116818	1	0.553675	2.1352	2.99129	No change
NM_001033361	Pgr15l	0.11687	1	2.02075	0.0388695	0.186851	No change
NM_008519	Ltb4r1	0.11687	1	2.02075	0.1502	0.722036	No change
NM_027470	Pak4	0.116925	1	0.393963	6.37289	7.97677	No change
NM_026267	Necap1	0.117271	1	0.360909	10.1059	12.3602	No change
NM_018858	Pebp1	0.117491	1	0.160177	717.33	763.037	No change
NM_026949	Cnot8	0.117538	1	0.373068	10.7536	13.2646	No change
NM_020483	Sap30bp	0.11759	1	0.453604	5.88013	7.67468	No change
NM_001159565	Dctn3	0.117623	1	0.357959	28.1134	34.3137	No change
NM_025321	Sdhc	0.118267	1	0.278725	48.7673	56.3246	No change
NM_178367	Dhx33	0.118356	1	0.308671	7.80496	9.20433	No change
NM_008722	Npm1	0.118597	1	0.244225	75.4499	85.0771	No change
NM_026729	Ict1	0.118645	1	0.596796	7.78586	11.2479	No change
NM_025310	Ftsj3	0.11896	1	0.263325	24.9338	28.4909	No change
NM_001040055	Gm14316	0.119085	1	0.376116	48.7693	60.285	No change
NM_011500	Strn	0.119365	1	0.335784	7.84974	9.43372	No change
NM_001081056	Xpot	0.119488	1	0.266885	11.4274	13.09	No change
NM_145713	Hist1h1d	0.119606	1	0.488535	3.37111	4.50954	No change
NM_008465	Kpna1	0.119861	1	0.295416	11.8696	13.8691	No change
NM_001159482	Rab34	0.120185	1	0.63043	3.59607	5.32171	No change
NM_010295	Gclc	0.120191	1	0.32656	9.96485	11.8988	No change
NM_133794	Qars	0.120333	1	0.366925	9.41872	11.5681	No change
NM_134090	Kdelr3	0.120402	1	0.647678	3.25299	4.87407	No change
NM_153561	Nudt6	0.120431	1	0.727964	3.12058	4.95572	No change
NM_016789	Nptx2	0.12048	1	0.615253	2.07631	3.03937	No change
NM_001164087	Homer2	0.120549	1	0.549356	0.659995	0.921738	No change
NM_019764	Amotl2	0.120575	1	0.466736	2.74382	3.61439	No change
NM_178597	Camk2g	0.121031	1	0.309543	11.123	13.1252	No change
NR_027923	C630043F03Rik	0.12116	1	0.601793	2.1009	3.04584	No change
NM_153512	Kcng3	0.121301	1	0.667453	1.26677	1.92526	No change
NM_173865	Slc41a1	0.121311	1	0.348499	5.99718	7.27153	No change
NM_178799	Acad12	0.121457	1	0.418112	6.71987	8.55446	No change
NM_001177307	Aldoa	0.12158	1	0.186538	228.433	247.471	No change
NM_001042655	Tbc1d17	0.12192	1	0.377655	8.38673	10.3781	No change
NM_026219	Uqcrb	0.122	1	0.335347	63.3194	76.0727	No change
NM_173052	Serpnb1b	0.122207	1	2.28378	0.0405663	0.3343	No change
NR_028550	Snord49a	0.122207	1	3.28378	0	9.26335	No change
NR_033474	2810433D01Rik	0.122207	1	3.28378	0	0.430531	No change
NM_001033276	Mll2	0.122355	1	0.256289	4.20163	4.77761	No change
NM_007544	Bid	0.12243	1	0.541948	4.0172	5.58079	No change
NM_146123	Cacnb4	0.122507	1	0.437204	1.78564	2.30379	No change
NM_207688	Espn	0.1226	1	0.400378	9.69801	12.1931	No change
NM_177899	Zfp866	0.122622	1	0.323836	6.23899	7.43567	No change
NM_018761	Cttnal1	0.122646	1	0.345053	7.92008	9.57992	No change
NM_001081116	Arhgef17	0.122717	1	0.351224	2.69253	3.27087	No change
NM_028711	Slc25a27	0.122737	1	0.531998	2.98276	4.11456	No change
NM_139298	Wnt9a	0.122842	1	0.811292	0.756162	1.27657	No change
NM_027834	9130008F23Rik	0.122895	1	0.913556	0.839285	1.52959	No change
NM_177124	Tnrc6b	0.122907	1	0.242078	6.16961	6.94643	No change
NM_172606	March6	0.122994	1	0.24224	16.9203	19.0529	No change
NM_030058	Spint4	0.123111	1	0.223447	201.138	223.553	No change
NR_015491	A630089N07Rik	0.123129	1	0.690356	1.83144	2.82986	No change

NM_178623	Urgcp	0.123178	1	0.346075	5.68171	6.87734	No change
NM_001081300	Tshz1	0.123291	1	0.352332	4.72291	5.7418	No change
NR_030688	Gm6402	0.123319	1	0.578978	4.67703	6.67084	No change
NM_025434	Mrps28	0.123506	1	0.472486	15.6375	20.6822	No change
NM_144516	Zmynd11	0.1237	1	0.241234	27.4927	30.9362	No change
NM_001033261	Zfc3h1	0.124077	1	0.275629	9.2777	10.6923	No change
NM_181416	Arhgap11a	0.124162	1	0.39014	4.00151	4.99503	No change
NM_027212	Med30	0.12434	1	0.535151	9.12169	12.6108	No change
NM_001038651	Zfp953	0.124355	1	0.497865	2.10235	2.8308	No change
NM_001033288	Gm106	0.124464	1	0.87939	0.735479	1.30624	No change
NM_025857	Aagab	0.124633	1	0.327685	13.5633	16.2082	No change
NM_177647	Cdnf	0.12467	1	0.569224	2.22055	3.14517	No change
NM_145393	Ythdf2	0.124726	1	0.295956	12.3048	14.3828	No change
NM_010588	Jag2	0.124806	1	0.435783	3.55857	4.58655	No change
NM_001146708	Fas	0.125458	1	1.38687	1.3813	3.62189	No change
NM_145547	Zfp189	0.125923	1	0.316795	13.3891	15.8789	No change
NM_001004362	2610008E11Rik	0.12621	1	0.354863	6.50951	7.92773	No change
NM_001081168	Sap30l	0.126229	1	0.717196	2.2946	3.61504	No change
NM_008292	Hsd17b4	0.126255	1	0.402868	6.87845	8.66304	No change
NM_009408	Top1	0.126274	1	0.317454	10.3833	12.3198	No change
NM_172826	Dact2	0.126326	1	0.398584	6.7981	8.5362	No change
NM_145986	Fam83f	0.126386	1	0.612106	1.83954	2.68646	No change
NM_001042407	Pex10	0.126425	1	0.642783	2.91974	4.35889	No change
NM_177670	Tmem69	0.126473	1	0.485824	4.3974	5.87083	No change
NM_172412	Gpc2	0.12684	1	0.502708	3.82715	5.17078	No change
NM_181988	Rerg	0.126959	1	0.599282	2.82266	4.08454	No change
NM_009472	Unc5c	0.127136	1	0.85082	0.239907	0.41703	No change
NM_010321	Gnmt	0.127136	1	0.85082	2.16102	3.7565	No change
NM_030682	Tlr1	0.127355	1	0.791927	1.05883	1.76191	No change
NM_019777	Ikbke	0.12771	1	0.552297	2.30642	3.22757	No change
NM_001163420	Fam172a	0.128054	1	0.425623	4.26999	5.46425	No change
NM_025598	Pdpdf	0.128089	1	0.564168	8.74441	12.3405	No change
NM_008914	Ppp3cb	0.128249	1	0.313239	11.0079	13.0226	No change
NM_025667	Tmem222	0.128432	1	0.330208	24.0775	28.823	No change
NM_001080780	Ret	0.128862	1	0.577422	0.892404	1.27133	No change
NM_175115	Ikzf5	0.128912	1	0.340682	7.3503	8.86349	No change
NM_011190	Psme2	0.129011	1	0.682698	4.58404	7.04304	No change
NM_175244	Hectd3	0.129178	1	0.438528	3.19987	4.13208	No change
NM_028119	Ddb2	0.129333	1	0.404336	9.75337	12.2963	No change
NM_001098836	Atxn7l3	0.129389	1	0.336672	9.09937	10.942	No change
NM_025909	Oma1	0.129405	1	0.534993	4.36981	6.04029	No change
NM_020048	Med20	0.129595	1	0.374091	11.718	14.4638	No change
NM_011275	Rnaseh1	0.129686	1	0.649187	3.25266	4.87804	No change
NM_133761	Dcp1a	0.12988	1	0.330666	6.41582	7.68276	No change
NM_007444	Amd2	0.129891	1	0.258993	27.9905	31.8871	No change
NM_009665	Amd1	0.129891	1	0.258993	27.912	31.7976	No change
NM_001081090	Esf1	0.130111	1	0.353525	8.50615	10.3496	No change
NR_033225	Gm13375	0.130515	1	0.826573	1.76119	3.00641	No change
NM_026434	Rbm18	0.130614	1	0.351719	11.5699	14.0595	No change
NM_001033908	Med22	0.13068	1	0.354594	21.0047	25.5759	No change
NM_011625	Ppp1r13b	0.130831	1	0.302464	11.5002	13.5033	No change
NM_017465	Sult2b1	0.130922	1	0.668444	3.86501	5.87725	No change
NM_172699	Foxj3	0.130966	1	0.355132	6.01508	7.32684	No change
NM_027453	Btf3l4	0.130985	1	0.29244	18.1681	21.1842	No change
NM_029576	Rab1b	0.131054	1	0.276584	38.1317	43.9744	No change
NM_023203	Dctpp1	0.13107	1	0.548258	12.1493	16.9522	No change
NM_010808	Mmp24	0.13119	1	0.528892	1.9755	2.71885	No change
NM_029931	Milt3	0.131312	1	0.437124	3.12276	4.02847	No change
NM_007945	Eps8	0.131363	1	0.333421	8.07437	9.68738	No change
NM_013796	Nagpa	0.13141	1	0.559481	3.36806	4.73714	No change
NM_030206	Cygb	0.131542	1	0.52048	3.82698	5.23572	No change
NM_010209	Fh1	0.131581	1	0.3139	26.9462	31.8924	No change
NM_178376	Rraga	0.131796	1	0.400568	12.1562	15.2851	No change
NR_015457	B430010I23Rik	0.131891	1	0.622868	2.28453	3.36186	No change
NM_001100395	Otof	0.13193	1	0.488782	1.55389	2.07879	No change
NR_015523	A730017L22Rik	0.132024	1	0.775053	1.23246	2.02526	No change
NM_001205081	Trim47	0.132047	1	0.512773	4.2546	5.78907	No change
NM_201357	Tssc1	0.132047	1	0.512773	5.51942	7.51005	No change
NM_001040459	Shroom4	0.132102	1	0.571961	1.54244	2.18875	No change
NM_139308	Stard7	0.132102	1	0.322298	12.9193	15.3805	No change
NM_007574	C1qc	0.132372	1	0.38276	21.5559	26.7684	No change
NM_024440	Derl3	0.132461	1	0.312021	33.9597	40.1406	No change
NM_026708	Tlcd1	0.132588	1	0.386716	17.1652	21.375	No change
NM_001161730	Tap1	0.132657	1	0.541276	2.79647	3.88262	No change
NM_023054	Utp3	0.132875	1	0.390919	13.3204	16.6361	No change
NM_001136085	Uba1	0.13318	1	0.265739	23.9268	27.3856	No change

NM_011424	Ncor2	0.133206	1	0.324329	4.47612	5.33636	No change
NM_172762	Rbm34	0.133249	1	0.464041	3.6766	4.83349	No change
NM_177266	Gfm2	0.133315	1	0.391742	6.66343	8.32685	No change
NM_028870	Cltb	0.133387	1	0.435783	9.68449	12.4814	No change
NM_020010	Cyp51	0.13339	1	0.242931	28.7225	32.3579	No change
NM_025912	2010011120Rik	0.133584	1	0.412378	5.0264	6.37257	No change
NM_173867	Rcc2	0.13372	1	0.340035	9.02845	10.882	No change
NM_022415	Ptges	0.13416	1	0.372887	6.87948	8.48421	No change
NM_001099276	Pik3c2b	0.134172	1	0.575961	0.852594	1.21327	No change
NM_001081549	Rcan1	0.134288	1	0.405254	8.27679	10.4412	No change
NM_025883	Zdhhc6	0.134332	1	0.322582	18.9488	22.5629	No change
NM_133871	Ifi44	0.134599	1	0.936977	0.599148	1.11093	No change
NR_037954	1110054M08Rik	0.134599	1	0.936977	2.04019	3.7829	No change
NM_144842	Zmym5	0.134921	1	0.28692	11.9433	13.8725	No change
NM_198029	Fermt1	0.134921	1	0.480282	2.18827	2.90989	No change
NM_007725	Cnn2	0.134936	1	0.473642	6.72682	8.90337	No change
NM_028276	Utp14a	0.135045	1	0.487472	4.52961	6.05395	No change
NM_013886	Hdgfrp3	0.135152	1	0.297274	9.53705	11.1577	No change
NM_001081367	Kctd17	0.135262	1	0.566906	4.51631	6.38547	No change
NM_001146073	Hexdc	0.135871	1	0.537881	4.22059	5.84558	No change
NM_026742	Ndufaf4	0.135953	1	0.482242	3.14693	4.19044	No change
NM_153167	Dcaf10	0.136021	1	0.351383	4.30931	5.23528	No change
NM_007940	Ephx2	0.136091	1	0.435783	7.63711	9.8426	No change
NM_025993	Mis12	0.136103	1	0.426133	6.02191	7.70858	No change
NM_009931	Col4a1	0.136322	1	0.320774	6.47939	7.70546	No change
NM_011842	Mta2	0.136371	1	0.338262	11.5139	13.8605	No change
NM_007398	Ada	0.136437	1	0.716519	2.27166	3.5763	No change
NM_026323	Wfdc2	0.136437	1	0.716519	5.21713	8.21337	No change
NM_011650	Tsn	0.136449	1	0.292	20.0433	23.3634	No change
NM_145400	Ube4a	0.136451	1	0.280943	11.6941	13.5267	No change
NM_009275	Srpb	0.136569	1	0.282179	23.3242	27.0026	No change
NM_198294	Tanc1	0.136687	1	0.377568	3.12481	3.8663	No change
NM_025675	Atpbd4	0.136804	1	0.452992	5.13663	6.70049	No change
NM_001080931	Med13	0.136996	1	0.225701	16.2776	18.1198	No change
NM_029609	Lhpp	0.137263	1	0.698817	2.472	3.84196	No change
NM_001037098	Nacc2	0.137375	1	0.353858	4.45881	5.42624	No change
NM_172624	Dpp9	0.13738	1	0.433272	4.54821	5.8513	No change
NM_018813	Cpsf3	0.137416	1	0.399382	8.05825	10.1236	No change
NM_146015	Efemp1	0.137488	1	0.540965	4.03918	5.60647	No change
NM_177648	Dolk	0.13769	1	0.499746	4.88441	6.58478	No change
NM_001033161	Tradd	0.137696	1	0.634112	3.77399	5.59814	No change
NM_026378	Dalrd3	0.137757	1	0.359611	16.8114	20.5412	No change
NM_001168273	Sec24c	0.137913	1	0.29223	14.6722	17.1052	No change
NM_001177947	1810020D17Rik	0.137971	1	0.46681	18.4038	24.2411	No change
NM_001001880	Mpz1	0.138269	1	0.390268	9.94286	12.4119	No change
NM_025607	Rnf181	0.138301	1	0.235538	115.046	128.903	No change
NM_138676	Shkbp1	0.138338	1	0.562212	3.14761	4.43532	No change
NM_172562	Tada2a	0.138429	1	0.456042	6.47924	8.46991	No change
NM_175532	Nlrp10	0.138434	1	0.787627	0.637388	1.05693	No change
NM_199470	Cdh24	0.138434	1	0.787627	1.04744	1.73688	No change
NM_183086	Mrps10	0.13855	1	0.650608	4.39505	6.59701	No change
NM_021433	Stx6	0.138559	1	0.374928	10.4015	12.8459	No change
NM_001163526	S100a14	0.138618	1	0.842553	2.54518	4.39537	No change
NM_133823	Mmaa	0.139532	1	0.554427	2.72104	3.81303	No change
NM_145591	Zfp958	0.139813	1	0.476425	5.1362	6.81117	No change
NM_001081394	0610007L01Rik	0.139929	1	0.298143	16.2881	19.0673	No change
NM_025796	Mrpl33	0.140624	1	0.434544	34.6969	44.6768	No change
NM_001193667	Gm1987	0.140649	1	0.520855	10.7343	14.6883	No change
NM_007732	Col17a1	0.140649	1	0.520855	1.7205	2.35424	No change
NM_011124	Ccl21a	0.140649	1	0.520855	10.759	14.7221	No change
NM_001123371	Pnp2	0.140679	1	0.49812	8.71874	11.7401	No change
NM_153804	Plekkg3	0.140679	1	0.49812	2.15197	2.89772	No change
NM_001167996	1110032F04Rik	0.140752	1	1.03985	0.513641	1.03036	No change
NM_133358	Zfp617	0.141093	1	0.379551	8.51067	10.5446	No change
NM_008731	Npy2r	0.141201	1	1.11385	0.331772	0.70488	No change
NM_024495	Car13	0.141201	1	1.11385	0.485031	1.03049	No change
NM_024178	Alg14	0.14121	1	0.725784	3.98245	6.31129	No change
NM_030091	Ola1	0.141291	1	0.435783	15.7989	20.3607	No change
NM_007746	Map3k8	0.141485	1	0.747072	1.33437	2.14772	No change
NM_001195096	Phactr2	0.141529	1	0.333692	4.73804	5.68547	No change
NM_016778	Bok	0.141609	1	0.70723	2.72542	4.26134	No change
NM_028779	Ampd2	0.141679	1	0.473751	3.41782	4.52381	No change
NR_028445	F930015N05Rik	0.141683	1	0.820124	0.728429	1.23708	No change
NM_007970	Ezh1	0.141736	1	0.302516	13.5431	15.9022	No change
NM_010579	Eif6	0.141915	1	0.346146	23.1688	28.0441	No change
NM_029357	Pcdh1	0.142039	1	0.487008	2.94704	3.93728	No change

NM_001142963	Gm10778	0.142054	1	0.523499	1.96173	2.68931	No change
NM_197989	Fam58b	0.142054	1	0.523499	7.57284	10.3815	No change
NM_175343	Chdh	0.142335	1	0.27501	14.9793	17.2554	No change
NM_001025586	Nr2c2ap	0.142612	1	0.616355	4.88557	7.15484	No change
NM_175177	Bdh1	0.142616	1	0.603906	1.97966	2.87349	No change
NM_020498	Ly6i	0.142681	1	0.771749	3.49258	5.72365	No change
NM_177474	D19Bwg1357e	0.142773	1	0.345604	10.1459	12.2762	No change
NM_010881	Ncoa1	0.142905	1	0.315134	6.72301	7.96371	No change
NM_001025597	Ikzf1	0.14292	1	0.592689	1.25536	1.80764	No change
NM_010582	Itih2	0.14297	1	0.421339	5.80402	7.40445	No change
NM_001113364	Tbc1d14	0.143082	1	0.318333	12.2344	14.5245	No change
NM_019402	Pabpn1	0.143118	1	0.300166	33.2334	38.9585	No change
NM_145433	Mrm1	0.143456	1	0.58253	2.75733	3.94169	No change
NR_027817	1500011B03Rik	0.143525	1	0.46553	9.98601	13.141	No change
NM_199302	Lrsam1	0.143648	1	0.444893	3.85916	5.00531	No change
NM_027896	Coasy	0.143816	1	0.45526	5.98787	7.82299	No change
NM_009012	Rad50	0.144028	1	0.33106	8.06074	9.65479	No change
NM_009469	Ulk1	0.144037	1	0.400812	4.13114	5.19504	No change
NM_026441	Pef1	0.144208	1	0.320306	30.3306	36.0575	No change
NM_016748	Ctps	0.144708	1	0.377524	9.73898	12.0492	No change
NM_001161329	Nol11	0.144922	1	0.389489	7.66622	9.56441	No change
NR_002841	Rn4.5s	0.145062	1	0.537454	50.0668	69.3154	No change
NM_001136270	Prr24	0.145102	1	0.60862	3.6091	5.25612	No change
NM_175340	Nhlrc1	0.145152	1	0.800697	1.21522	2.03418	No change
NM_001081204	B3galt1	0.145295	1	0.663542	1.04317	1.58025	No change
NM_019561	Ensa	0.145332	1	0.390225	20.1493	25.1513	No change
NM_010760	Magoh	0.145481	1	0.507088	17.0794	23.1431	No change
NM_001168645	Slc6a18	0.145573	1	0.92121	0.466116	0.853596	No change
NM_011599	Tle1	0.145742	1	0.390964	5.40762	6.75351	No change
NM_008428	Kcnj8	0.145769	1	0.887579	0.95557	1.70618	No change
NM_177704	Sytl5	0.145769	1	0.887579	0.908643	1.62239	No change
NM_023835	Trim12a	0.14582	1	0.439493	10.6025	13.6991	No change
NM_011358	Srsf2	0.145845	1	0.262288	57.7539	65.9436	No change
NM_027257	Obfc2b	0.145895	1	0.500878	10.2684	13.8532	No change
NM_001099624	Rapgef2	0.146077	1	0.385619	3.79194	4.71804	No change
NM_001033329	Arhgef9	0.146111	1	0.715891	0.764787	1.2032	No change
NM_030017	Rdh12	0.146167	1	0.735343	2.12326	3.38798	No change
NM_001162908	Sesn1	0.146432	1	0.354169	10.4912	12.7699	No change
NR_028367	Nip7	0.146505	1	0.440749	5.15005	6.66007	No change
NM_024442	Cyp4f16	0.146991	1	0.757711	1.51157	2.45156	No change
NM_177778	Armc7	0.147022	1	0.651951	2.23117	3.35174	No change
NM_201637	Chd8	0.147023	1	0.258404	14.6874	16.7249	No change
NM_001199695	Txlna	0.147036	1	0.288785	16.0736	18.6939	No change
NM_001025431	Btbd3	0.147106	1	0.413415	4.28255	5.43308	No change
NM_144884	Tor1a	0.14729	1	0.478195	8.63962	11.4707	No change
NM_145566	Agfg2	0.14759	1	0.60152	4.27651	6.19639	No change
NM_011602	Tln1	0.147611	1	0.2614	13.4501	15.3478	No change
NM_021547	Stard3	0.147771	1	0.526238	4.58283	6.29439	No change
NM_080451	Synpo2	0.147771	1	0.526238	1.32217	1.81596	No change
NM_009068	Ripk1	0.147994	1	0.386184	5.58164	6.94751	No change
NM_001146318	Cnp	0.147996	1	0.457809	5.66187	7.41014	No change
NM_145595	Cbr4	0.148042	1	0.473851	11.6259	15.3884	No change
NM_029688	Srxn1	0.148078	1	0.328522	17.2951	20.6785	No change
NM_024282	Pppde1	0.148687	1	0.419958	4.53261	5.77668	No change
NM_183220	Accs	0.148815	1	0.670248	2.33705	3.55721	No change
NM_026007	Eef1g	0.148823	1	0.23767	121.707	136.609	No change
NM_173765	Aasdh	0.148839	1	0.427963	4.86756	6.23847	No change
NM_010357	Gsta4	0.14885	1	0.409489	21.679	27.4274	No change
NM_198865	Slitrk5	0.148869	1	1.32031	0.173979	0.433106	No change
NM_009307	Syt2	0.148893	1	0.641484	1.56428	2.33225	No change
NM_027917	Shroom1	0.148893	1	0.641484	1.60456	2.39231	No change
NR_015528	BC029722	0.148915	1	0.454537	10.6796	13.945	No change
NM_011595	Timp3	0.14968	1	0.308002	12.4914	14.7232	No change
NM_001045536	Zzef1	0.149695	1	0.311426	5.01914	5.93	No change
NM_053207	Egln1	0.149809	1	0.421977	5.37925	6.86537	No change
NR_002862	Gm5088	0.149844	1	0.451436	4.7341	6.16814	No change
NM_153393	Col23a1	0.149848	1	0.54638	1.50089	2.091	No change
NM_013700	Usp5	0.149994	1	0.279006	28.022	32.3692	No change
NR_027357	Slc25a44	0.150026	1	0.362613	9.17966	11.2394	No change
NM_010690	Lats1	0.150048	1	0.281184	11.9294	13.801	No change
NM_177846	Lcmt2	0.150245	1	0.618327	1.73874	2.54966	No change
NM_001199337	Apoo	0.150304	1	0.658175	4.0659	6.13497	No change
NM_001172054	Il11ra1	0.150495	1	0.467492	7.43341	9.79498	No change
NM_008235	Hes1	0.150532	1	0.556373	5.57159	7.81735	No change
NM_170590	Cpne1	0.150584	1	0.385268	7.44917	9.26602	No change
NM_144535	Mudeng	0.150671	1	0.431267	5.61507	7.21312	No change

NM_011488	Stat5a	0.150717	1	0.509783	2.7067	3.67449	No change
NM_172918	Zfp317	0.150744	1	0.339415	10.112	12.1822	No change
NR_030671	AW011738	0.150865	1	0.631986	2.03112	3.00764	No change
NM_133222	Eltf1	0.150888	1	0.706945	0.984459	1.53863	No change
NM_030595	Nbea	0.150967	1	0.25653	12.2025	13.8771	No change
NM_001083320	Magi1	0.151038	1	0.406731	3.00945	3.80005	No change
NM_008926	Prkg2	0.151114	1	1.5124	0.148409	0.428055	No change
NM_176952	6430573F11Rik	0.151318	1	0.74521	1.9094	3.06833	No change
NM_008539	Smad1	0.15151	1	0.360976	10.7572	13.1558	No change
NM_019937	Ccnl1	0.1525	1	0.334608	20.4043	24.4993	No change
NM_146124	Arhgap1	0.152628	1	0.36292	10.5239	12.8879	No change
NM_001081290	Prcc2c	0.152635	1	0.243581	17.3699	19.5769	No change
NM_133918	Emilin1	0.15289	1	0.579518	2.0924	2.98438	No change
NM_180678	Gars	0.152956	1	0.41682	8.45647	10.7536	No change
NM_011156	Prep	0.153179	1	0.552544	3.07582	4.30376	No change
NM_175162	Stox2	0.153298	1	0.318675	5.73044	6.80458	No change
NM_024243	Fuca1	0.153346	1	0.317583	21.4631	25.4669	No change
NM_013626	Pam	0.153405	1	0.316522	13.3848	15.87	No change
NM_153134	Irgq	0.153558	1	0.440505	2.76541	3.57548	No change
NM_001081225	Fam178a	0.153575	1	0.276584	14.2425	16.4243	No change
NM_010283	Ggta1	0.153752	1	0.453865	4.29508	5.60554	No change
NM_008512	Lrp1	0.154009	1	0.259275	9.04216	10.3027	No change
NM_013860	Limd1	0.154124	1	0.317727	11.2445	13.3434	No change
NM_008958	Ptch2	0.154135	1	0.545966	2.45467	3.41862	No change
NM_008867	Pla2r1	0.154463	1	0.392086	4.51771	5.64634	No change
NM_177171	Heatr5a	0.154561	1	0.3031	8.5758	10.0735	No change
NM_001166364	2310046O06Rik	0.154674	1	0.423364	6.36476	8.13083	No change
NM_018823	Nfat5	0.154707	1	0.272299	8.02607	9.22805	No change
NM_026573	Upf3b	0.154762	1	0.401017	10.6705	13.4198	No change
NM_001159907	Tarbp1	0.154886	1	0.555692	1.63902	2.29845	No change
NM_007459	Ap2a2	0.154974	1	0.311535	12.8749	15.2124	No change
NM_029880	Ptgr2	0.155148	1	0.369372	10.1174	12.4459	No change
NM_026615	Urm1	0.155287	1	0.456616	7.12214	9.31306	No change
NM_054056	Pawr	0.155298	1	0.715305	2.17314	3.41675	No change
NM_018854	Ift20	0.155309	1	0.461294	18.4226	24.169	No change
NM_024227	Mrp128	0.155333	1	0.452213	14.7893	19.2791	No change
NM_010128	Emp1	0.155367	1	0.574489	2.7662	3.93122	No change
NM_133804	Tmem132a	0.155642	1	0.628428	1.65793	2.44859	No change
NM_029578	Tgds	0.15576	1	0.54895	3.81542	5.32489	No change
NM_001029988	Fat2	0.155807	1	0.425366	1.33848	1.71227	No change
NM_013509	Eno2	0.155974	1	0.907404	0.768185	1.39162	No change
NM_144875	Rab711	0.155974	1	0.907404	1.69983	3.07934	No change
NM_144822	Cbara1	0.156078	1	0.453547	6.89574	8.99755	No change
NM_145822	Cd3eap	0.156226	1	0.534187	4.18902	5.78547	No change
NM_001077712	Stag2	0.156316	1	0.387523	4.47065	5.56968	No change
NM_001080977	Rsb1l1	0.156337	1	0.398091	4.36679	5.48062	No change
NM_173764	Tapt1	0.156342	1	0.322588	15.1211	18.0043	No change
NM_031391	Gtf2a1	0.15647	1	0.280638	16.8368	19.4707	No change
NM_001102407	Rbm8a	0.156478	1	0.494945	4.55562	6.1198	No change
NM_019949	Ube2l6	0.156669	1	0.755401	2.46212	3.98551	No change
NM_028351	Rspo3	0.156726	1	0.642964	2.2688	3.3858	No change
NM_177151	Vps13b	0.156851	1	0.246192	14.047	15.8605	No change
NM_177178	Lmbrd2	0.156886	1	0.391002	8.51142	10.6296	No change
NM_001081149	Myst3	0.157118	1	0.299554	7.94222	9.30624	No change
NM_010256	Gart	0.157266	1	0.319581	16.6534	19.7873	No change
NM_133900	Psph	0.157387	1	0.474797	8.88732	11.7705	No change
NM_010111	Efnb2	0.157536	1	0.42842	4.42136	5.66815	No change
NM_001159631	Nek6	0.157555	1	0.85082	0.768269	1.33407	No change
NM_023485	Sync	0.157555	1	0.85082	1.19689	2.07835	No change
NM_146019	Chd3	0.157598	1	0.274319	15.1734	17.4702	No change
NM_008492	Ldhd	0.157758	1	0.295185	60.4546	70.6223	No change
NM_001081069	Rgs11	0.157803	1	0.5698	3.89113	5.51137	No change
NM_138751	Tmem47	0.157803	1	0.5698	1.9122	2.70843	No change
NM_009686	Apbb2	0.157892	1	0.491739	3.64733	4.88853	No change
NM_001045553	Zfp868	0.158122	1	0.429451	7.77531	9.97504	No change
NM_026310	Mrp18	0.158315	1	0.379172	30.5225	37.8044	No change
NM_025333	Sdhaf2	0.158414	1	0.388677	8.6638	10.8023	No change
NM_134151	Yars	0.158436	1	0.433612	6.42611	8.2682	No change
NM_009395	Tnfaip1	0.158542	1	0.343337	11.4245	13.8007	No change
NM_011294	Sub1	0.158676	1	0.273106	34.1435	39.2786	No change
NM_053164	Mrp143	0.158917	1	0.414285	17.8111	22.6085	No change
NM_009933	Col6a1	0.159039	1	0.317207	14.6888	17.4241	No change
NM_001045959	Mink1	0.159111	1	0.397504	5.01711	6.29416	No change
NM_175109	Rps19bp1	0.159208	1	0.539619	11.1677	15.4826	No change
NM_181322	Ctcf	0.159221	1	0.353848	9.95353	12.1123	No change
NM_175337	Mlh3	0.159333	1	0.295543	14.6242	17.0881	No change

NM_023647	Nipa2	0.159673	1	0.381495	7.99787	9.92201	No change
NM_198885	Scx	0.159711	1	0.706679	3.68097	5.75086	No change
NM_175392	Fam73b	0.159771	1	0.500878	3.30093	4.45278	No change
NM_146047	Ciptm1l	0.159875	1	0.33718	19.4015	23.3366	No change
NM_173397	Fitm2	0.160043	1	0.6914	2.71476	4.19473	No change
NM_173374	Srsf1	0.160294	1	0.246462	39.854	45.0075	No change
NM_010683	Lamc1	0.160386	1	0.372167	4.18779	5.16157	No change
NM_023721	Atp6v1d	0.160393	1	0.276731	77.7002	89.6114	No change
NM_011801	Cfdp1	0.160412	1	0.324766	44.397	52.9421	No change
NM_053206	Magee2	0.160475	1	1.20696	0.421287	0.960933	No change
NM_001146176	Max	0.160594	1	0.380863	14.8688	18.4377	No change
NM_001190989	Ndfip2	0.160766	1	0.441429	8.03906	10.4002	No change
NM_001024604	Ankrd28	0.160892	1	0.291947	16.4203	19.1388	No change
NM_019400	Rabep1	0.161439	1	0.337163	8.66182	10.4185	No change
NM_175316	Slco2b1	0.161996	1	0.510858	2.54528	3.45763	No change
NM_133729	2610018G03Rik	0.16209	1	0.617287	3.13149	4.58774	No change
NM_027203	Leng1	0.162139	1	0.459945	7.05432	9.24556	No change
NM_001081235	Mn1	0.162238	1	0.765932	0.545898	0.890358	No change
NM_183297	Nxph4	0.162238	1	0.765932	1.99717	3.25738	No change
NM_019579	Mpp5	0.162261	1	0.285264	17.7203	20.5582	No change
NM_145922	Kcnc4	0.162282	1	0.545194	3.03013	4.21739	No change
NM_133953	Sf3b3	0.162445	1	0.278964	25.3871	29.3242	No change
NM_001177313	Orc4	0.162606	1	0.531412	7.08404	9.76398	No change
NM_198653	lars2	0.163005	1	0.313264	18.3092	21.659	No change
NM_007730	Col12a1	0.163065	1	0.300074	6.71883	7.87552	No change
NM_138306	Dgkz	0.163168	1	0.394407	7.5996	9.51323	No change
NM_025870	2310047B19Rik	0.163208	1	0.513026	6.0028	8.1669	No change
NM_015801	Pnpla6	0.163705	1	0.462702	3.48622	4.57793	No change
NM_001177670	Golph3l	0.164044	1	0.393525	12.1437	15.1921	No change
NM_001099628	Atad2b	0.164172	1	0.37089	4.13702	5.09439	No change
NM_145916	Zfp7	0.164303	1	0.564516	3.01142	4.24907	No change
NM_011489	Stat5b	0.164411	1	0.412052	4.37653	5.54655	No change
NM_001025379	Sema3g	0.164418	1	0.684603	1.2668	1.94767	No change
NM_001003717	Osbp18	0.164535	1	0.332617	7.22887	8.66739	No change
NM_001177527	Zfp964	0.164581	1	0.732765	2.20294	3.50703	No change
NR_029432	1500015A07Rik	0.164581	1	0.732765	2.05639	3.27373	No change
NM_011874	Psmc4	0.164656	1	0.304007	52.658	61.8922	No change
NM_029420	Slx1b	0.164779	1	0.46895	4.03962	5.32793	No change
NM_029655	Snx7	0.164832	1	0.557461	3.98062	5.58852	No change
NM_007992	Fbln2	0.165139	1	0.67185	1.10525	1.68373	No change
NM_144857	Rrp36	0.165456	1	0.550919	7.51077	10.4958	No change
NR_027344	Trub2	0.165523	1	0.442376	7.23542	9.36652	No change
NM_001166553	Rnf145	0.165664	1	0.457809	3.79492	4.96614	No change
NM_007922	Eik1	0.165788	1	0.575586	2.22466	3.16367	No change
NM_015814	Dkk3	0.165901	1	0.603439	2.03453	2.95119	No change
NM_181394	Anapc13	0.16602	1	0.417636	54.4903	69.3276	No change
NM_019693	Ddx39b	0.166092	1	0.362065	21.5211	26.3385	No change
NM_010453	Hoxa5	0.166142	1	0.867215	1.26242	2.21837	No change
NM_001081240	Prmt10	0.166464	1	0.471902	5.3128	7.02163	No change
NM_172742	Mtmr10	0.166823	1	0.416178	4.35162	5.53087	No change
NM_001039200	C230096C10Rik	0.166878	1	0.346089	7.2417	8.76457	No change
NM_145362	Alg1	0.166935	1	0.519674	6.17733	8.4436	No change
NM_172295	Mab2113	0.166973	1	1.04347	0.391753	0.786916	No change
NM_021353	Slc26a3	0.167257	1	0.649908	2.09503	3.14154	No change
NM_028106	Zbed3	0.167467	1	0.482855	7.28575	9.70353	No change
NM_001045482	Rbak	0.167781	1	0.503801	3.60445	4.87191	No change
NM_011509	Gm3258	0.167815	1	0.50944	16.3926	22.2451	No change
NM_001141921	Lrfr1	0.167823	1	1.64991	0.242739	0.777921	No change
NM_001164805	Thsd7a	0.167931	1	0.571062	0.741279	1.05076	No change
NM_145934	Stap2	0.168127	1	0.42713	14.0227	17.9598	No change
NM_026936	Oxa1l	0.168146	1	0.443385	7.26083	9.40592	No change
NM_026984	Mll5	0.168434	1	0.321054	8.6324	10.2672	No change
NM_027279	2810422O20Rik	0.168496	1	0.723065	2.77432	4.38531	No change
NM_025279	Hnrnpk	0.168582	1	0.271347	71.1375	81.7357	No change
NM_001001186	Zfp456	0.168664	1	0.678353	1.19601	1.83041	No change
NM_053157	Tm2d1	0.168664	1	0.678353	4.94777	7.57227	No change
NM_001111106	Uba3	0.168788	1	0.3698	14.7746	18.1795	No change
NM_207234	Rexo4	0.168943	1	0.373464	15.0019	18.5064	No change
NM_001137547	Usp51	0.169194	1	0.822392	1.24064	2.10868	No change
NM_019945	Mast1	0.169194	1	0.822392	0.566379	0.962658	No change
NM_175639	Wdr43	0.169294	1	0.40479	7.39351	9.32242	No change
NR_038016	LOC100502920	0.169477	1	0.741886	3.05969	4.9028	No change
NM_027777	Pex1	0.169621	1	0.481942	3.2709	4.3535	No change
NM_026141	Ppil4	0.169646	1	0.376389	11.5513	14.2789	No change
NM_008891	Pnn	0.169849	1	0.336798	15.0074	18.046	No change
NM_175133	1110038D17Rik	0.169913	1	0.371653	12.0945	14.9009	No change

NM_172293	Fam113b	0.169984	1	0.502308	5.60711	7.57068	No change
NM_080636	Hars2	0.170032	1	0.507769	3.89206	5.2753	No change
NM_172482	Zfp719	0.170091	1	0.439959	3.83849	4.96052	No change
NM_175537	Zbtb38	0.17017	1	0.388612	7.29127	9.09013	No change
NM_011682	Utrn	0.17023	1	0.289467	8.38657	9.75805	No change
NM_033604	Rnf111	0.170271	1	0.355599	8.59737	10.4744	No change
NM_021416	Fam184b	0.170312	1	0.48783	3.29617	4.40532	No change
NM_030084	Gpr108	0.170433	1	0.351865	20.9345	25.4388	No change
NM_001093757	Ogfod1	0.170584	1	0.40696	4.882	6.16499	No change
NM_019806	Vapb	0.170811	1	0.353787	6.18026	7.52008	No change
NM_177370	Rhbdd3	0.171003	1	0.323395	34.4829	41.0797	No change
NM_001007571	D8Erttd738e	0.171155	1	0.361251	60.2037	73.6373	No change
NM_001033305	Ndufb6	0.171343	1	0.405841	48.1586	60.7669	No change
NM_026546	Fam173b	0.171469	1	0.623716	5.43916	8.00414	No change
NM_029896	Wdr82	0.172169	1	0.329631	13.6057	16.2791	No change
NR_028449	Hdac10	0.172336	1	0.511819	4.3542	5.91844	No change
NM_001177370	Nfk2	0.172354	1	0.714247	1.42996	2.24573	No change
NM_001003950	Rab3ip	0.172543	1	0.306964	30.183	35.5485	No change
NM_194464	Mrv1	0.172591	1	0.517854	1.94686	2.65756	No change
NM_020497	Zfp276	0.172666	1	0.396886	5.7875	7.25711	No change
NM_019818	Timm22	0.172695	1	0.469999	5.54967	7.32457	No change
NM_009448	Tuba1c	0.172708	1	0.257919	104.028	118.417	No change
NM_025983	Atp5e	0.172924	1	0.329023	144.268	172.541	No change
NM_007531	Phb2	0.172931	1	0.406164	19.1143	24.1239	No change
NM_009330	Hnf1b	0.172971	1	0.52432	3.9919	5.47403	No change
NM_013548	Hist1h3f	0.173112	1	0.731607	3.96062	6.29871	No change
NM_028063	Trmu	0.173112	1	0.731607	2.61349	4.15632	No change
NM_001168505	Shoc2	0.173158	1	0.352452	11.014	13.3892	No change
NM_139064	Trip2	0.173612	1	0.581248	4.0412	5.76957	No change
NM_013777	Akr1c12	0.173733	1	0.589883	6.17102	8.86452	No change
NM_007454	Ap1b1	0.173753	1	0.35593	11.0144	13.4221	No change
NM_010818	Cd200	0.173766	1	0.480218	6.23584	8.28946	No change
NM_053169	Trim16	0.173829	1	1.11385	0.304102	0.644939	No change
NM_020575	March7	0.174324	1	0.3206	25.0936	29.8359	No change
NM_175095	Commd2	0.174449	1	0.510115	4.07189	5.52798	No change
NM_001039363	Tsc2	0.174512	1	0.322412	11.0828	13.1939	No change
NM_029391	Rab4b	0.174535	1	0.447534	15.9639	20.7396	No change
NM_007678	Cebpa	0.174635	1	0.60955	2.61349	3.8071	No change
NM_172993	Zfp512	0.174682	1	0.461778	5.09433	6.68481	No change
NM_024433	Mtap	0.175073	1	0.522198	4.38646	6.00597	No change
NM_007514	Slc7a2	0.175078	1	0.445195	2.47452	3.20952	No change
NM_001008422	Scaf1	0.175188	1	0.448645	4.45488	5.79209	No change
NM_030612	Nfkbiz	0.175188	1	0.448645	4.82698	6.27589	No change
NM_001039521	Rrn3	0.175218	1	0.394966	8.1741	10.2359	No change
NM_007842	Dhx9	0.175305	1	0.288101	25.1698	29.258	No change
NM_028871	Hnrnp1	0.17556	1	0.339709	20.1133	24.2345	No change
NM_027480	Ankrd24	0.175574	1	0.584746	2.1529	3.08124	No change
NM_133999	Fig4	0.175614	1	0.361528	12.7511	15.5991	No change
NM_175334	Maml1	0.175765	1	0.479404	2.68629	3.56886	No change
NM_026444	Cs	0.175823	1	0.328423	22.1056	26.4266	No change
NM_026472	Mki67ip	0.175824	1	0.467492	8.57363	11.2955	No change
NM_016898	Cd164	0.176017	1	0.264846	66.7131	76.3064	No change
NM_011633	Traf5	0.176018	1	0.914546	1.00955	1.83724	No change
NM_001163747	Tmem192	0.17602	1	0.691831	4.78699	7.39665	No change
NM_153127	Mmrrn2	0.17602	1	0.691831	1.20466	1.86138	No change
NM_146006	Lss	0.176033	1	0.453431	5.81898	7.59105	No change
NM_130879	Usp48	0.176061	1	0.335743	9.90935	11.9069	No change
NM_178912	Fancm	0.176256	1	0.429357	2.81461	3.61032	No change
NM_008692	Nfyc	0.176275	1	0.457291	9.03427	11.8174	No change
NM_025340	Sharpin	0.176459	1	0.424336	13.1906	16.8603	No change
NM_033563	Klf7	0.17662	1	0.836321	2.0375	3.49806	No change
NM_029519	Rap2a	0.176861	1	0.477153	3.65838	4.8526	No change
NM_009280	Ss18	0.176916	1	0.324607	21.6156	25.7723	No change
NM_133717	Rab43	0.177322	1	0.359111	10.111	12.3484	No change
NM_172257	Sidt2	0.177324	1	0.293084	26.0709	30.4104	No change
NM_172383	Tmem125	0.1775	1	0.656648	2.99433	4.51103	No change
NM_026720	Ankrd13d	0.177536	1	0.565066	4.13405	5.83448	No change
NM_031871	Ghdc	0.177571	1	0.588297	3.61036	5.18011	No change
NM_027885	Smug1	0.177638	1	0.538542	2.85643	3.95636	No change
NM_026160	Map1lc3b	0.177677	1	0.330479	36.3934	43.5694	No change
NM_178195	Hist1h2bf	0.177718	1	0.478619	39.8768	52.9482	No change
NR_015473	1700020l14Rik	0.177831	1	0.399257	18.6718	23.4514	No change
NM_001040072	Nynrin	0.177883	1	0.740396	0.526481	0.842549	No change
NM_172716	Pcgf3	0.178068	1	0.463888	4.5391	5.96494	No change
NM_008086	Gas1	0.178133	1	0.552225	3.04948	4.26481	No change
NM_009148	Exoc4	0.178197	1	0.414909	6.78144	8.61105	No change

NM_026386	Snx2	0.178782	1	0.448274	9.52089	12.3753	No change
NM_133964	Dohh	0.178822	1	0.458151	12.3073	16.1082	No change
NM_019772	1110004F10Rik	0.179098	1	0.360692	31.1627	38.1005	No change
NM_008343	Igfbp3	0.17922	1	0.575435	3.45608	4.91356	No change
NM_026521	Zfp706	0.179324	1	0.361054	9.86146	12.06	No change
NM_001163026	Dnajc13	0.179431	1	0.301407	12.8394	15.0633	No change
NM_001007577	Tceanc	0.179603	1	0.591902	1.91152	2.74959	No change
NM_001033171	Klrg2	0.179603	1	0.591902	3.38997	4.87625	No change
NM_172510	Mfsd4	0.179609	1	0.524487	4.26745	5.85223	No change
NM_025516	Ergic3	0.179646	1	0.369316	30.7358	37.8051	No change
NM_001161665	Kif26b	0.179805	1	0.760974	0.489337	0.794877	No change
NM_026738	1110007C09Rik	0.179823	1	0.685397	6.15448	9.46498	No change
NM_178016	Pigk	0.179882	1	0.273416	34.8966	40.1528	No change
NM_030024	Prr15	0.180208	1	0.491278	10.2445	13.724	No change
NM_001033528	Usp36	0.180247	1	0.487072	2.59687	3.4686	No change
NM_175344	Ano6	0.180278	1	0.368977	8.17587	10.0539	No change
NM_029934	Mboat7	0.180339	1	0.483089	5.20277	6.92982	No change
NM_027166	Ypel5	0.180495	1	0.336488	20.7937	24.998	No change
NM_026086	Nanp	0.180622	1	0.629978	4.66309	6.89193	No change
NM_026010	Lipt2	0.180632	1	0.662291	4.47986	6.77604	No change
NM_133626	Rrbp1	0.180842	1	0.329882	24.3537	29.1434	No change
NM_011263	Rest	0.181108	1	0.359105	10.6516	13.0085	No change
NM_198127	Abi2	0.18116	1	0.346516	9.16282	11.0926	No change
NM_011657	Tulp3	0.18128	1	0.586791	2.37543	3.40443	No change
NM_001110512	Mettl8	0.181555	1	0.522437	6.11277	8.37059	No change
NM_008983	Ptprk	0.181555	1	0.522437	1.8842	2.58015	No change
NM_009423	Traf4	0.181555	1	0.522437	3.85899	5.28435	No change
NM_025381	Atp6v1f	0.181609	1	0.356501	74.1928	90.4453	No change
NM_025296	Ciao1	0.18161	1	0.390695	10.5843	13.2142	No change
NM_175098	Ccdc126	0.181864	1	0.622466	2.94607	4.33085	No change
NM_029573	Idh3a	0.181902	1	0.470376	6.89972	9.10826	No change
NM_019635	Stk3	0.181905	1	0.389489	11.3481	14.156	No change
NM_007927	Emd	0.181965	1	0.546082	7.75555	10.7989	No change
NM_025948	Lsm14a	0.182109	1	0.37601	13.9744	17.2689	No change
NM_001083616	Cacna1d	0.182192	1	0.337438	6.64328	7.99174	No change
NM_201529	Lmo7	0.182267	1	0.51843	1.96382	2.68158	No change
NM_009899	Clca1	0.18233	1	0.478551	5.18892	6.88927	No change
NM_177368	Tmtc2	0.182776	1	0.427221	4.14078	5.30332	No change
NM_001128605	Psen2	0.182805	1	0.56722	4.50195	6.36305	No change
NM_001145978	Parp4	0.182921	1	0.560601	1.46125	2.05566	No change
NM_007383	Acads	0.183041	1	0.49183	7.81532	10.4738	No change
NM_028596	Fbrs1	0.183084	1	0.483726	4.03427	5.37574	No change
NM_144829	Aarsd1	0.183283	1	0.428056	17.567	22.5121	No change
NM_019632	Napb	0.183525	1	0.679452	1.3965	2.13837	No change
NM_001195421	Hist1h4m	0.183567	1	0.392156	80.7061	100.862	No change
NM_029886	9430038I01Rik	0.183753	1	1.07733	1.17704	2.42494	No change
NM_153555	Dcaf8	0.183921	1	0.300352	28.9906	33.9871	No change
NM_022997	Vps35	0.183968	1	0.282108	48.5146	56.1596	No change
NM_172053	Adamts16	0.184114	1	0.874667	0.490401	0.865995	No change
NM_001082532	Pigyl	0.184269	1	0.53817	15.5321	21.5061	No change
NM_001103179	Brwd1	0.184342	1	0.258019	36.4579	41.5031	No change
NM_032396	Kremen1	0.184395	1	0.371563	8.33702	10.2705	No change
NM_028065	Cnpy3	0.184739	1	0.408521	14.8713	18.7988	No change
NM_023311	Yipf5	0.184948	1	0.365121	19.0017	23.3036	No change
NM_172591	Fcho2	0.184948	1	0.365121	8.64525	10.6025	No change
NM_207207	Mrps26	0.184951	1	0.55126	10.3598	14.4776	No change
NM_025314	Dtd1	0.185295	1	0.593848	6.13819	8.84098	No change
NM_173370	Cds1	0.185298	1	0.322641	19.7446	23.5089	No change
NM_028399	Ccnt2	0.185562	1	0.387368	9.95613	12.401	No change
NM_172488	9030625A04Rik	0.185567	1	0.619746	2.85225	4.18459	No change
NM_201518	Flrt2	0.185813	1	0.492366	2.05239	2.75146	No change
NM_019502	Fxc1	0.185929	1	0.603058	7.54949	10.9451	No change
NM_144825	Taok1	0.18641	1	0.260913	21.6622	24.7094	No change
NM_008031	Fmr1	0.186438	1	0.398442	7.18664	9.02086	No change
NM_028543	Zfp763	0.186701	1	0.511334	3.80892	5.17489	No change
NM_001010825	Ficd	0.186754	1	0.493959	4.58593	6.15481	No change
NM_008608	Mmp14	0.186781	1	0.449646	7.75559	10.09	No change
NM_027875	Syde1	0.187041	1	0.685761	1.54732	2.37993	No change
NM_011307	Uimc1	0.187071	1	0.373241	14.1003	17.3905	No change
NM_001199177	Opa1	0.187072	1	0.388249	5.86387	7.30828	No change
NM_001164672	Dnaja1	0.187084	1	0.297977	21.845	25.5676	No change
NM_145632	Polr2h	0.187132	1	0.673943	6.81875	10.3992	No change
NM_010956	Ogdh	0.187337	1	0.322225	12.1283	14.4363	No change
NM_199149	Lrrc68	0.187387	1	0.343735	19.9391	24.0914	No change
NM_181277	Col14a1	0.187531	1	0.487313	2.36705	3.16201	No change
NM_025938	Rpp14	0.187696	1	0.52266	4.88726	6.69312	No change

NM_001081080	Phf3	0.187889	1	0.302667	14.7571	17.3282	No change
NM_001122895	Nab2	0.188001	1	0.435783	9.5634	12.3217	No change
NM_001081251	Pbrm1	0.188139	1	0.319126	10.4921	12.4619	No change
NM_029736	Slc10a7	0.188297	1	0.518782	3.41745	4.6674	No change
NM_021322	Wdr4	0.188425	1	0.488815	3.90567	5.22284	No change
NM_001012330	Zfp238	0.188581	1	0.311265	25.3544	29.9503	No change
NM_011010	Omp	0.188799	1	0.592218	3.86998	5.56732	No change
NM_024272	Ssbp2	0.188799	1	0.592218	1.2146	1.74732	No change
NR_030729	Gm3434	0.188984	1	0.729514	10.2194	16.222	No change
NM_019983	Rabgef1	0.189201	1	0.535556	3.9945	5.52042	No change
NM_133847	Tm9sf4	0.189235	1	0.419791	6.79931	8.66284	No change
NM_009169	Shfm1	0.189332	1	0.341265	127.889	154.256	No change
NM_030730	Rad54l2	0.189515	1	0.33073	7.8242	9.36839	No change
NM_172631	D18Erd653e	0.18959	1	0.559266	3.91376	5.50023	No change
NR_015585	4933439C10Rik	0.18959	1	0.559266	5.19819	7.30531	No change
NM_021551	Slc22a17	0.189645	1	0.498817	6.22801	8.38709	No change
NM_011365	Itsn2	0.189695	1	0.374884	6.97046	8.60677	No change
NM_026137	Wdr13	0.189799	1	0.341967	14.7848	17.8417	No change
NM_001038846	Rcsd1	0.189916	1	0.547875	4.05192	5.64867	No change
NM_001042523	Txnrd1	0.189937	1	0.377714	11.1616	13.809	No change
NM_023740	Zdhhc16	0.190122	1	0.526794	6.48395	8.90552	No change
NM_008536	Tm4sf1	0.190346	1	0.610793	3.88404	5.66175	No change
NM_027289	Nt5dc2	0.190508	1	0.679958	3.7565	5.75346	No change
NM_175308	Mobk2c	0.190532	1	0.537825	3.86914	5.35568	No change
NM_029763	Polr3f	0.190572	1	0.437531	5.51177	7.11007	No change
NM_182930	Plekha6	0.190758	1	0.33382	9.6008	11.5203	No change
NM_001031664	Nudt10	0.190779	1	0.973677	1.03544	1.96912	No change
NM_133979	Ano10	0.190849	1	0.330292	28.7996	34.4729	No change
NM_008562	Mcl1	0.19095	1	0.316477	26.6144	31.5526	No change
NM_031403	Dbr1	0.191	1	0.65866	2.78374	4.1989	No change
NM_001167995	Trmt2b	0.191143	1	0.70577	5.73743	8.95214	No change
NM_153798	Polr2b	0.19128	1	0.349626	15.1196	18.3432	No change
NM_145139	Eif3l	0.191932	1	0.341556	34.2022	41.2618	No change
NM_172865	Manea	0.19207	1	0.397648	7.25843	9.10573	No change
NM_001130169	Zfp207	0.19221	1	0.316084	40.3641	47.8404	No change
NM_001038018	Grk6	0.192223	1	0.535435	3.81242	5.26818	No change
NM_013895	Timm13	0.192565	1	0.429357	20.4243	26.1964	No change
NM_001190445	2610002J02Rik	0.192615	1	0.614753	6.80089	9.94131	No change
NM_030687	Slco1a4	0.192615	1	0.614753	1.91414	2.79803	No change
NM_028811	Elp3	0.192833	1	0.346516	22.5055	27.2447	No change
NM_138651	Cds2	0.192833	1	0.335643	8.60427	10.3376	No change
NM_175025	Atp2c1	0.192833	1	0.335643	14.6677	17.6225	No change
NR_015572	1810014B01Rik	0.192854	1	0.843766	1.72081	2.96913	No change
NM_078477	Kif16	0.192864	1	0.599282	2.99585	4.33128	No change
NM_026476	2610101N10Rik	0.192928	1	0.316261	12.6481	14.9926	No change
NR_002688	Gm13363	0.192968	1	0.335844	25.5591	30.7123	No change
NM_001001187	Zfp738	0.19298	1	0.412346	6.51437	8.2566	No change
NM_178045	Rassf4	0.193034	1	0.496509	2.33994	3.14595	No change
NM_029895	Etl4	0.193383	1	0.412987	4.95364	6.28125	No change
NM_025876	Cdk5rap1	0.193522	1	0.522869	6.33251	8.67322	No change
NM_172413	Rap2c	0.193651	1	0.466787	5.23238	6.88934	No change
NM_177893	Fan1	0.193884	1	0.533154	3.36933	4.64834	No change
NM_029723	Dapl1	0.193947	1	0.625568	12.1416	17.8852	No change
NM_175130	Trpm4	0.19404	1	0.394799	8.30733	10.4008	No change
NM_001127191	Snx16	0.194054	1	0.664052	2.28276	3.45639	No change
NM_001190805	Dnajb11	0.194153	1	0.419745	16.9951	21.6519	No change
NM_027852	Rarres2	0.19418	1	0.477071	24.3138	32.2451	No change
NM_024273	4930455C21Rik	0.194236	1	0.483877	7.88533	10.5077	No change
NM_024256	B3gat3	0.194369	1	0.467963	11.6595	15.3644	No change
NM_026566	9430023L20Rik	0.194453	1	0.549954	8.61246	12.0235	No change
NM_018821	Socs6	0.194758	1	0.441909	7.12127	9.21429	No change
NM_173747	Gpkow	0.195076	1	0.485265	4.56427	6.08807	No change
NM_133831	Gltscr2	0.195089	1	0.349144	39.1211	47.4457	No change
NM_146179	Zfp418	0.195099	1	0.807193	1.18736	1.99419	No change
NM_007598	Cap1	0.195101	1	0.306713	49.2481	57.9908	No change
NM_011970	Psmb2	0.195135	1	0.41053	35.9573	45.5156	No change
NM_138606	Pim2	0.195135	1	0.712892	2.28781	3.58779	No change
NM_010879	Nck2	0.19536	1	0.380081	15.0939	18.7045	No change
NM_178640	B3galnt2	0.195497	1	0.390186	10.205	12.7355	No change
NM_001135657	Ptprj	0.195514	1	0.346888	15.0302	18.1998	No change
NM_001081309	Pik3r4	0.195573	1	0.436614	4.9373	6.36476	No change
NM_026346	Fbxo32	0.19577	1	0.473315	6.58012	8.70353	No change
NM_026780	Syf2	0.195829	1	0.456178	16.0578	20.9859	No change
NM_008986	Ptrf	0.195871	1	0.443703	7.06245	9.14961	No change
NM_021310	Jmy	0.195963	1	0.334912	8.57271	10.2944	No change
NM_017368	Celf1	0.196038	1	0.453882	8.96564	11.6984	No change

NM_011354	Serf2	0.196092	1	0.290662	54.5073	63.4718	No change
NM_026046	Zfp329	0.196249	1	0.392681	4.64737	5.80988	No change
NM_030205	Coro7	0.196281	1	0.494365	4.41575	5.92769	No change
NM_183300	Zfyve9	0.196328	1	0.522967	5.84521	8.00618	No change
NM_029792	B3gat1	0.196386	1	0.728565	1.28157	2.03261	No change
NM_178267	Zfp827	0.196463	1	0.537505	1.52144	2.10539	No change
NM_026774	Hbxip	0.19647	1	0.440032	26.6775	34.4727	No change
NM_025898	Napa	0.196647	1	0.358511	23.5796	28.7841	No change
NM_011218	Ptprs	0.196743	1	0.321738	13.6256	16.2129	No change
NM_145700	Ccrl1	0.196785	1	0.519268	6.17951	8.44199	No change
NM_178143	Prkaa2	0.197182	1	0.669553	0.696844	1.05923	No change
NM_001177721	Madd	0.197326	1	0.405881	5.38851	6.79875	No change
NM_177684	Zfp637	0.197415	1	0.592508	7.6732	11.0397	No change
NM_179203	Atad3a	0.197417	1	0.560655	4.17754	5.87624	No change
NM_001123382	Il1r1	0.197623	1	0.461778	4.13113	5.42016	No change
NM_001172112	Dhrs7b	0.197778	1	0.539715	7.26886	10.0743	No change
NM_134105	Txndc11	0.197781	1	0.512404	11.2537	15.2997	No change
NM_001163661	Telo2	0.197783	1	0.573286	2.66456	3.78168	No change
NM_009271	Src	0.198047	1	0.473966	4.66174	6.16882	No change
NM_007738	Col7a1	0.19817	1	0.705575	0.530388	0.827337	No change
NM_015775	Tmprss2	0.19817	1	0.705575	1.54334	2.40742	No change
NM_026072	Cwc27	0.198201	1	0.483663	8.95207	11.9271	No change
NM_023275	Rhoj	0.198237	1	0.746123	1.7438	2.801	No change
NM_001162855	Nsmce4a	0.198443	1	0.400217	24.2833	30.5174	No change
NM_181072	Myo1e	0.198456	1	0.501671	3.00255	4.05131	No change
NM_007896	Mapre1	0.198554	1	0.32476	12.4985	14.903	No change
NM_172302	Cpsf7	0.198584	1	0.385017	11.3899	14.163	No change
NM_024475	Ublcp1	0.198798	1	0.4722	8.63827	11.4167	No change
NM_009677	Ap1g1	0.198954	1	0.446301	6.43047	8.3459	No change
NM_029780	Raf1	0.198967	1	0.338161	24.4357	29.4095	No change
NM_022315	Smoc2	0.199024	1	0.48501	5.93079	7.90917	No change
NM_025395	Chchd5	0.199237	1	0.610281	5.94156	8.65682	No change
NM_054051	Pip4k2b	0.199453	1	0.442556	4.67562	6.05244	No change
NM_011550	Mix	0.199876	1	0.528892	6.31647	8.68762	No change
NM_133940	Fbxl14	0.199889	1	0.450138	5.26951	6.85749	No change
NM_022886	Scel	0.200384	1	0.675166	1.84904	2.82179	No change
NM_133705	Pycr2	0.200398	1	0.504875	9.1965	12.4366	No change
NM_175432	Tmem132c	0.200652	1	0.858016	0.531591	0.926697	No change
NM_001033262	March9	0.200886	1	0.837337	1.46502	2.5152	No change
NM_001024205	Nufip2	0.200891	1	0.304658	13.1223	15.4296	No change
NM_026695	Etfb	0.201178	1	0.495284	19.4114	26.0738	No change
NM_145964	Ap1ar	0.201248	1	0.449962	9.41875	12.2555	No change
NM_001170345_2	Gm2058	0.201343	1	0.42374	9.63889	12.314	No change
NM_007742	Col1a1	0.201437	1	0.61406	1.63181	2.38386	No change
NR_033336	Snora23	0.201778	1	0.586443	48.482	69.45	No change
NM_172698	4732418C07Rik	0.201803	1	0.408302	7.71485	9.75022	No change
NM_134080	Flnb	0.202165	1	0.334015	9.22474	11.0703	No change
NM_007783	Csk	0.202172	1	0.486898	7.44085	9.93592	No change
NM_133701	Prpf6	0.202293	1	0.403361	11.4748	14.4522	No change
NM_134123	Scaf8	0.202406	1	0.400827	7.39406	9.29614	No change
NM_176902	Fam100b	0.202572	1	0.438985	16.8824	21.7989	No change
NM_013692	Klf10	0.202657	1	0.481445	5.81347	7.73315	No change
NM_001167669	Spag7	0.202667	1	0.431291	23.7239	30.4683	No change
NM_177815	Rft1	0.202877	1	0.505213	6.29826	8.51911	No change
NM_138589	Ubfd1	0.202928	1	0.3722	10.358	12.7652	No change
NM_009131	Clec11a	0.202996	1	0.582134	4.7032	6.71664	No change
NM_011700	Vill	0.203092	1	0.754774	1.51791	2.45324	No change
NM_016665	Stra13	0.203215	1	0.476425	29.0387	38.4917	No change
NM_011135	Cnot7	0.203359	1	0.340721	25.7784	31.0805	No change
NM_011400	Slc2a1	0.203404	1	0.602741	3.19742	4.63348	No change
NM_013630	Pkd1	0.203434	1	0.316442	8.08576	9.58564	No change
NM_009725	Atp5f1	0.203871	1	0.351816	45.3291	55.0759	No change
NM_133887	Stx12	0.20451	1	0.352745	28.3278	34.4411	No change
NM_177323	Rint1	0.20462	1	0.475831	5.74193	7.60786	No change
NM_053162	Mrpl34	0.204641	1	0.635552	10.7884	16.0029	No change
NM_178635	Uvrag	0.204902	1	0.429292	8.10854	10.399	No change
NM_080557	Snx4	0.205124	1	0.413415	13.3278	16.9041	No change
NM_001159908	Zfand2a	0.205269	1	0.488753	5.51689	7.37626	No change
NM_001159393	Irf1	0.20543	1	0.744621	1.99684	3.20345	No change
NM_031182	Tcfap4	0.205656	1	0.941018	0.989488	1.8347	No change
NM_028493	Rhobtb3	0.205691	1	0.37113	10.6156	13.0727	No change
NM_001164147	Tcf3	0.205853	1	0.486607	5.24796	7.00611	No change
NM_001033140	Sdhaf1	0.205955	1	0.621795	7.7837	11.4331	No change
NM_145597	Tmem161a	0.205981	1	0.543668	3.9339	5.46705	No change
NM_019721	Mettl3	0.206253	1	0.481311	9.00488	11.977	No change
NM_183275	1110002N22Rik	0.206638	1	0.675734	4.49457	6.86114	No change

NM_001081124	Mtap7d2	0.206807	1	0.647833	1.71791	2.57062	No change
NM_027192	Til	0.207021	1	0.686744	1.20687	1.85693	No change
NM_175687	A230050P20Rik	0.20713	1	0.577029	5.75598	8.19006	No change
NM_001160016	Gnb1	0.20714	1	0.3242	33.9143	40.4224	No change
NM_008048	Igfbp7	0.207171	1	0.35173	61.728	74.9959	No change
NM_176973	Podxl2	0.207188	1	0.639924	3.4498	5.13305	No change
NM_001195268	Dos	0.207236	1	0.485824	5.98445	7.98486	No change
NM_146040	Cdca7l	0.207338	1	0.550719	4.3508	6.07652	No change
NM_001013580	Pard3	0.207426	1	0.596007	2.40056	3.46195	No change
NR_037958	1300002E11Rik	0.207646	1	1.07909	2.37051	4.88374	No change
NM_001037916	Ccdc17	0.207707	1	0.698817	2.60957	4.05011	No change
NM_001159551	H13	0.207915	1	0.392409	7.74079	9.6749	No change
NM_010478	Hspa1b	0.208212	1	0.41104	12.2273	15.4823	No change
NM_026654	Toe1	0.208268	1	0.372476	26.4819	32.642	No change
NM_009380	Thrb	0.208279	1	0.625754	1.2259	1.80569	No change
NM_001099319	Gm12942	0.208312	1	0.573286	8.89829	12.6275	No change
NM_001167898	Frem3	0.208534	1	0.831455	0.462796	0.790936	No change
NM_176920	Lrtm1	0.208534	1	0.831455	0.419034	0.716144	No change
NM_001177868	Rreb1	0.208678	1	0.474149	2.7264	3.60804	No change
NM_001164565	Acnat1	0.20882	1	0.872847	0.52463	0.924408	No change
NM_177911	Tgm4	0.20882	1	0.872847	0.957113	1.68645	No change
NM_009849	Entpd2	0.209236	1	0.814295	1.69105	2.85385	No change
NM_013534	Leprel2	0.209236	1	0.814295	1.17869	1.98917	No change
NM_153058	Mapre2	0.20924	1	0.511939	3.67077	4.98844	No change
NM_172285	Plcg2	0.209495	1	0.586924	2.15662	3.09012	No change
NM_029885	Gabpb2	0.209678	1	0.35475	7.89613	9.61346	No change
NM_024193	Nop56	0.209826	1	0.456743	12.0262	15.722	No change
NM_019425	Gnpnat1	0.209911	1	0.41783	12.8613	16.3625	No change
NM_146236	Tceal1	0.209949	1	0.545571	10.7559	14.9673	No change
NM_183308	Pon2	0.210015	1	0.413784	18.3839	23.3224	No change
NM_053144	Pcdhb19	0.210201	1	0.898126	0.517449	0.928988	No change
NM_023739	Nfx1	0.210271	1	0.377874	11.1821	13.835	No change
NM_001162924	Pkp3	0.210325	1	0.594481	3.06764	4.41905	No change
NM_172998	Rnft2	0.210325	1	0.594481	2.03622	2.93325	No change
NM_001200002	Tmppe	0.210362	1	0.560701	1.58578	2.23038	No change
NM_001037914	Gm6320	0.210386	1	1.56131	0.296062	0.884426	No change
NR_033215	3000002C10Rik	0.210464	1	0.692717	4.25356	6.57241	No change
NM_001177771	Clcc1	0.21047	1	0.482394	8.28496	11.0276	No change
NM_145465	Stk24	0.21047	1	0.41585	12.9964	16.5114	No change
NM_019661	Ykt6	0.210527	1	0.381683	19.7032	24.4426	No change
NM_153545	Lrrc45	0.211274	1	0.547751	4.81031	6.70399	No change
NM_033617	Atp6v0b	0.211281	1	0.378524	51.3601	63.5739	No change
NM_027446	Fam86	0.211332	1	0.441074	12.3754	16.002	No change
NM_021710	Ap4s1	0.211341	1	0.602602	7.70192	11.1589	No change
NM_145361	Btbd2	0.211449	1	0.446899	8.31433	10.7947	No change
NM_020590	Gabarapl1	0.211548	1	0.341411	48.506	58.5098	No change
NM_001039089	Sei1l	0.21156	1	0.327029	17.3569	20.7282	No change
NM_025616	Timm50	0.211597	1	0.527051	11.5268	15.8318	No change
NR_003376	Gm7367	0.211681	1	0.455342	18.0129	23.5253	No change
NM_026885	Chmp2a	0.211814	1	0.336865	100.216	120.504	No change
NM_001102404	Acp5	0.212306	1	0.743211	3.1228	5.00392	No change
NM_177190	Tcp11l1	0.212329	1	0.657298	1.84551	2.78006	No change
NM_001079844	Gpc6	0.212397	1	0.666396	0.917284	1.3908	No change
NM_001195633	5430411K18Rik	0.212476	1	0.376262	5.51952	6.82133	No change
NM_028360	Ttc19	0.212567	1	0.497381	4.93293	6.63526	No change
NM_029447	Nln	0.212769	1	0.437962	7.30116	9.42019	No change
NM_183390	Klhl6	0.212889	1	1.04972	0.637524	1.28358	No change
NM_026553	Yif1a	0.213447	1	0.492805	11.7633	15.7719	No change
NM_011163	Eif2ak2	0.213459	1	0.411159	8.36122	10.5878	No change
NM_001012667	Al316807	0.213522	1	0.627116	5.20667	7.67607	No change
NM_030215	Wrnip1	0.213875	1	0.53075	5.09112	7.01062	No change
NM_178056	Tm2d3	0.213976	1	0.552179	11.6734	16.3194	No change
NM_008047	Fstl1	0.214045	1	0.454892	6.64294	8.673	No change
NM_178394	Jakmip1	0.214077	1	0.620815	3.30617	4.85237	No change
NM_025788	Nacc1	0.214155	1	0.369294	13.8609	17.047	No change
NM_011756	Zfp36	0.21435	1	0.577802	5.686	8.09428	No change
NM_029928	Ptprb	0.214499	1	0.506769	1.3398	1.81406	No change
NM_001079908	Fgfr1	0.214703	1	0.614916	1.63016	2.38251	No change
NM_001162921	Zc3h12c	0.214822	1	0.439394	4.52271	5.84114	No change
NM_016661	Ahcy	0.214822	1	0.439394	10.9161	14.0983	No change
NM_001002008	Zfp948	0.21514	1	0.653493	2.57625	3.87013	No change
NM_023418	Pgam1	0.215141	1	0.369382	32.9444	40.5196	No change
NM_177596	Zfp947	0.215161	1	0.711756	1.91335	2.99692	No change
NM_007406	Adcy7	0.215273	1	0.421743	5.3969	6.88471	No change
NM_134112	Kctd1	0.215388	1	0.574166	5.82085	8.26487	No change
NM_138679	Ash1l	0.215619	1	0.324725	10.8775	12.9695	No change

NM_201610	Neil2	0.215683	1	0.844248	1.56572	2.7006	No change
NM_147778	Commmd3	0.215985	1	0.44643	29.8232	38.7068	No change
NM_133671	U2af2	0.216052	1	0.400303	19.094	23.9959	No change
NM_024213	Anapc4	0.21611	1	0.512627	5.79904	7.88409	No change
NM_001160145	Tmem9	0.216737	1	0.556699	7.25331	10.1723	No change
NM_024454	Rab21	0.216863	1	0.517211	8.25311	11.2567	No change
NM_026684	Ndufb10	0.216883	1	0.399499	67.0589	84.2272	No change
NM_001083929	Gpx3	0.2171	1	0.35185	52.2583	63.4947	No change
NM_025597	Ndufb3	0.217189	1	0.495858	33.1434	44.532	No change
NM_001205067	Ikamp	0.217326	1	0.501925	8.61373	11.623	No change
NM_175113	Trmt6	0.217349	1	0.470726	7.63657	10.0813	No change
NM_007554	Bmp4	0.217389	1	0.888295	1.29385	2.30538	No change
NM_007686	Cfi	0.217389	1	0.888295	1.24392	2.21641	No change
NM_133226	Pdzd3	0.217389	1	0.888295	1.18232	2.10666	No change
NM_028478	Rassf6	0.217411	1	0.795325	1.85088	3.0799	No change
NM_028115	Trub1	0.217878	1	0.649908	1.81808	2.72408	No change
NM_020332	Ank	0.217996	1	0.573286	3.01019	4.27132	No change
NM_001033633	Slc2a13	0.218159	1	1.02459	0.255715	0.504875	No change
NM_001123370	9030025P20Rik	0.218218	1	0.444589	12.8537	16.6609	No change
NM_008831	Phb	0.218232	1	0.436465	16.3482	21.0704	No change
NM_139139	Dnajc17	0.218479	1	0.676791	6.01516	9.18754	No change
NM_020579	B4galt3	0.218587	1	0.530695	6.94139	9.55776	No change
NM_001081374	Prss36	0.218644	1	0.782233	1.25224	2.0639	No change
NM_018791	Zfp108	0.218644	1	0.782233	1.4569	2.40122	No change
NM_026340	Pop1	0.218901	1	0.741886	1.37149	2.19524	No change
NM_033572	Wbscr16	0.219104	1	0.504746	7.24082	9.78968	No change
NM_028076	Tmub2	0.219107	1	0.451213	12.3359	16.0639	No change
NM_028782	Lonp1	0.21919	1	0.379286	18.8277	23.3169	No change
NM_138600	Aldh7a1	0.21919	1	0.369496	21.8344	26.8569	No change
NM_001163263	Rnf20	0.219257	1	0.394472	10.7481	13.4525	No change
NM_182650	Hnrmpa2b1	0.219348	1	0.303082	127.368	149.597	No change
NM_197985	Adipor2	0.219451	1	0.376889	14.5787	18.0247	No change
NR_027866	5730408K05Rik	0.219468	1	1.15338	3.08536	6.7304	No change
NM_022814	Svep1	0.219597	1	0.438528	2.58992	3.34282	No change
NM_001080796	G3bp2	0.219887	1	0.313029	39.9186	47.2104	No change
NM_027889	Vps11	0.219919	1	0.367026	20.886	25.6461	No change
NM_029512	Ttpal	0.220053	1	0.439222	6.44078	8.31715	No change
NM_001145778	Zkscan3	0.220173	1	0.45105	10.0441	13.078	No change
NM_001081409	Phf20l1	0.220587	1	0.375213	8.9859	11.0969	No change
NM_001081975	Mfap1b	0.220702	1	0.350787	45.2801	54.9751	No change
NM_134100	Mfsd5	0.220773	1	0.605708	5.08094	7.37691	No change
NM_007715	Clock	0.220862	1	0.339736	13.7373	16.5509	No change
NM_180974	Foxn2	0.220893	1	0.49888	3.48191	4.68816	No change
NM_001177778	Dlg3	0.220907	1	0.538206	2.70762	3.74789	No change
NM_027258	Rnf157	0.220932	1	0.471852	4.71606	6.23062	No change
NM_178613	4933433P14Rik	0.220988	1	0.523803	5.30327	7.26671	No change
NM_133883	Adprhl2	0.221193	1	0.578523	7.59082	10.8106	No change
NM_029007	Fam84a	0.221213	1	0.360922	21.8357	26.6986	No change
NM_026054	2810474O19Rik	0.221691	1	0.384307	8.88356	11.0402	No change
NM_153125	Sec16a	0.221914	1	0.292005	34.3959	40.0892	No change
NM_173445	Rccd1	0.221975	1	0.584997	4.2888	6.13598	No change
NM_010829	Msh3	0.222383	1	0.384575	13.7619	17.1061	No change
NM_010731	Zbtb7a	0.222425	1	0.548575	2.34774	3.27355	No change
NM_013904	Hey2	0.222701	1	0.83822	1.23862	2.12651	No change
NM_026935	Sult1c2	0.222806	1	0.821073	2.28345	3.87132	No change
NM_021895	Actn4	0.223059	1	0.354037	22.0911	26.8816	No change
NM_173761	Ythdf1	0.223091	1	0.418322	11.6704	14.8517	No change
NM_001083905	Fetub	0.223332	1	0.805733	2.35387	3.94613	No change
NM_007722	Cxcr7	0.223361	1	0.603994	3.51302	5.09412	No change
NM_177410	Bcl2	0.223595	1	0.704892	2.15888	3.36431	No change
NM_021356	Gab1	0.223602	1	0.382814	11.6035	14.4055	No change
NM_001168382	Phf14	0.223832	1	0.443374	8.61839	11.1613	No change
NM_153788	Acap1	0.223969	1	0.432063	13.0569	16.7763	No change
NM_177687	Crebl2	0.224473	1	0.488833	7.74977	10.361	No change
NM_025602	Ccdc59	0.224766	1	0.612308	8.08128	11.7876	No change
NM_175473	Fras1	0.224766	1	0.612308	0.549698	0.801805	No change
NM_025433	Rpl7l1	0.224823	1	0.412169	15.4576	19.5869	No change
NM_027098	Mrpl30	0.2249	1	0.465667	34.5943	45.5057	No change
NM_175102	Sf3b5	0.224905	1	0.491966	26.2061	35.113	No change
NM_012049	Nit1	0.224977	1	0.375305	47.2583	58.3636	No change
NM_145926	Mgat4b	0.225121	1	0.717926	2.12321	3.3398	No change
NM_028017	Napg	0.225253	1	0.445507	8.26628	10.7212	No change
NR_037224	Mir3064	0.225286	1	0.580173	157.069	223.945	No change
NM_001098171	Pcdh10	0.225294	1	0.779436	0.480757	0.79063	No change
NM_001100462	Tmem221	0.225542	1	1.11385	0.860407	1.81926	No change
NM_183106	Ttc17	0.225657	1	0.500878	3.93171	5.30105	No change

NM_001170982	Hnrnpc	0.22619	1	0.356313	30.6709	37.3809	No change
NM_152812	Otud6b	0.226276	1	0.403767	13.8146	17.4025	No change
NM_001100458	Fam169a	0.226285	1	0.43156	7.31516	9.39557	No change
NM_013841	Vps45	0.2265	1	0.502188	6.84721	9.24042	No change
NM_009063	Rgs5	0.226519	1	0.672728	3.54436	5.39722	No change
NM_027434	Rprd1b	0.226735	1	0.499913	5.52086	7.43858	No change
NM_011728	Xpa	0.226949	1	0.573286	11.6033	16.4631	No change
NM_144915	Daglb	0.227097	1	0.732292	1.50478	2.39156	No change
NM_007998	Fech	0.227178	1	0.396705	17.0569	21.3814	No change
NM_021451	Pmaip1	0.227192	1	0.682515	2.31084	3.54356	No change
NM_026794	Deb1	0.227192	1	0.682515	11.8626	18.1907	No change
NM_007749	Cox7c	0.227451	1	0.418094	86.4565	110.005	No change
NM_029332	Akap13	0.227793	1	0.34134	8.97346	10.8233	No change
NM_026616	Rnaseh2c	0.228056	1	0.757711	6.79668	11.002	No change
NM_145490	Zfp959	0.228124	1	0.693149	2.84599	4.3975	No change
NM_009609	Actg1	0.228143	1	0.274848	359.651	414.22	No change
NM_029790	Mettl15	0.228165	1	0.64437	3.94349	5.88451	No change
NM_001122832	Eps15l1	0.228601	1	0.43895	9.31702	12.0286	No change
NM_023051	Clstn1	0.228775	1	0.462341	7.66433	10.0581	No change
NM_009188	Sin3b	0.228907	1	0.361653	19.8566	24.2907	No change
NM_172532	Aldh5a1	0.229201	1	0.452992	4.92429	6.42012	No change
NM_019578	Extl1	0.229281	1	0.581778	2.59189	3.69949	No change
NM_177782	Prex1	0.229335	1	0.463189	3.88487	5.10123	No change
NM_010218	Fjx1	0.229412	1	0.832673	1.34964	2.30725	No change
NM_001083906	Nr3c2	0.229444	1	0.52103	3.90499	5.33997	No change
NM_011200	Ptp4a1	0.229507	1	0.365445	18.8537	23.1247	No change
NM_172938	Scml4	0.229633	1	0.748205	0.969385	1.55837	No change
NM_199033	Tsen2	0.229716	1	0.933283	1.29643	2.38764	No change
NM_198010	Ankrd17	0.23009	1	0.328254	16.2447	19.4161	No change
NM_001097617	C1s	0.230404	1	0.385934	20.2852	25.2379	No change
NM_025575	Sys1	0.230438	1	0.549624	8.19152	11.4294	No change
NM_146224	Zfp280d	0.230903	1	0.434595	7.75076	9.976	No change
NM_146013	Sec14l4	0.230928	1	0.871285	0.971248	1.70815	No change
NM_027490	Dcp2	0.230964	1	0.419069	4.61233	5.87252	No change
NM_010798	Mif	0.23098	1	0.451035	51.9552	67.6442	No change
NM_001109688	5730419I09Rik	0.231041	1	0.411535	10.1802	12.8938	No change
NM_175044	Bcor	0.231357	1	0.547365	1.95249	2.71991	No change
NM_133934	Isy1	0.231469	1	0.527274	9.55641	13.1255	No change
NM_025370	1110018J18Rik	0.231565	1	0.571705	11.8306	16.766	No change
NM_172883	Mfsd7a	0.231666	1	0.77682	1.63951	2.69073	No change
NM_001166642	Bcas3	0.231669	1	0.443491	8.62718	11.1732	No change
NM_011978	Slc27a2	0.231801	1	0.673282	2.84708	4.33679	No change
NM_025997	Fam103a1	0.232073	1	0.41212	30.659	38.8468	No change
NM_148917	Pabpc4	0.232087	1	0.606895	3.73704	5.42957	No change
NM_001190352	Tmem132b	0.232096	1	0.556077	1.60143	2.24459	No change
NM_010590	Jub	0.232293	1	0.476908	6.58532	8.7305	No change
NM_028372	Mblac2	0.232347	1	0.56865	3.03481	4.29155	No change
NM_026220	Mfap1a	0.23242	1	0.358074	26.7234	32.6094	No change
NM_175324	Acad11	0.232452	1	0.453228	8.53468	11.1289	No change
NM_001164528	Ildr2	0.232502	1	0.528892	1.86467	2.56392	No change
NM_028097	Tmem68	0.232579	1	0.549304	5.13668	7.16536	No change
NM_025900	Dek	0.232677	1	0.402988	18.8026	23.6728	No change
NM_133783	Ptges2	0.233069	1	0.59784	5.06988	7.31885	No change
NM_153161	BC037034	0.233349	1	0.411307	17.5464	22.2197	No change
NM_001145958	Crocc	0.233406	1	0.515636	2.72412	3.71096	No change
NM_025591	Fam136a	0.233476	1	0.460977	16.7072	21.9038	No change
NM_001145970	Mtap7d1	0.233545	1	0.660598	2.2205	3.35176	No change
NM_172630	Mppe1	0.23365	1	0.615049	4.47952	6.54596	No change
NM_010806	Milt4	0.233695	1	0.370744	10.3553	12.7479	No change
NM_144786	Ggt7	0.233766	1	0.437567	12.919	16.6623	No change
NM_009072	Rock2	0.233978	1	0.416674	5.28003	6.71136	No change
NM_001034881	Gm5464	0.234189	1	1.75128	0.258601	0.899052	No change
NM_028049	Fbxo22	0.234215	1	0.499065	9.28355	12.5002	No change
NM_174960	Gimap9	0.234714	1	0.967013	1.51178	2.85503	No change
NM_010282	Ggps1	0.234958	1	0.456948	11.9146	15.5764	No change
NM_144543	Thyn1	0.235069	1	0.553234	13.7504	19.2337	No change
NM_172517	Rbbp5	0.235115	1	0.475493	6.58168	8.71691	No change
NM_198035	Zbtb39	0.235309	1	0.513187	2.96341	4.02995	No change
NR_033911	Dnajc12	0.235857	1	0.812199	3.14586	5.29708	No change
NM_175190	2900010J23Rik	0.236176	1	0.340667	173.143	208.736	No change
NM_175312	B630005N14Rik	0.236189	1	0.455806	6.96761	9.10173	No change
NM_026955	2200002K05Rik	0.236282	1	0.844668	1.61261	2.78064	No change
NM_025812	Hmg20a	0.23652	1	0.463912	7.57746	9.95464	No change
NM_133825	D1Erttd622e	0.236727	1	0.500578	7.17802	9.67526	No change
NM_001081112	Ankrd26	0.236837	1	0.559753	2.24816	3.1591	No change
NM_009503	Vcp	0.237048	1	0.317517	68.2003	80.9083	No change

NM_009721	Atp1b1	0.237081	1	0.428934	15.7687	20.2153	No change
NM_028121	Adpgk	0.237147	1	0.521421	6.79725	9.29709	No change
NM_001206382	Mavs	0.237438	1	0.53048	5.31935	7.32215	No change
NM_026810	Mlh1	0.237617	1	0.479251	9.09388	12.0757	No change
NM_146108	Hibch	0.237729	1	0.64635	4.53986	6.78307	No change
NM_198894	Abr	0.237774	1	0.386444	12.6429	15.735	No change
NM_028965	Snx11	0.237859	1	0.459746	10.9359	14.3248	No change
NM_009598	Ace	0.23812	1	0.316124	76.9317	91.1784	No change
NM_008794	Pcsk7	0.238158	1	0.466345	6.98026	9.18563	No change
NM_001045528	Fkbp15	0.238396	1	0.403713	11.9579	15.0625	No change
NM_028242	Htatsf1	0.238638	1	0.420616	14.9202	19.0168	No change
NM_028603	Zbtb8a	0.23879	1	0.566677	5.56543	7.5868	No change
NM_001159561	P2rx6	0.238834	1	0.763912	1.96925	3.20128	No change
NM_016911	Srpx	0.238834	1	0.763912	1.8161	2.95232	No change
NM_001102430	Arfgef1	0.238849	1	0.323348	29.0569	34.611	No change
NM_001081098	Zfp362	0.238865	1	0.574829	4.08678	5.80406	No change
NM_001013381	Rsad1	0.239032	1	0.669671	1.66215	2.52505	No change
NM_026851	Mrpl52	0.239301	1	0.597888	24.8662	35.8955	No change
NM_030057	Trappc6b	0.24006	1	0.490604	17.4371	23.3392	No change
NM_138745	Mthfd1	0.240176	1	0.650356	2.30632	3.45564	No change
NM_008480	Lama1	0.240664	1	0.458119	3.08998	4.04286	No change
NM_138668	Ufsp2	0.240729	1	0.506666	12.6176	17.0797	No change
NM_008979	Ptpn22	0.241011	1	0.527376	6.0547	8.31596	No change
NM_178804	Slit2	0.241444	1	0.596549	1.30871	1.88734	No change
NM_053181	Pdxdc1	0.241522	1	0.303272	119.73	140.642	No change
NM_015822	Fbxl3	0.241568	1	0.381462	17.1454	21.2645	No change
NM_198301	Fam105a	0.241936	1	0.634329	5.3137	7.87122	No change
NM_011084	Pik3c2g	0.24199	1	1.00694	0.530358	1.03194	No change
NM_007536	Bcl2a1d	0.242049	1	0.716519	7.00432	11.0031	No change
NM_013608	Naca	0.242102	1	0.369326	79.4175	97.6691	No change
NM_009257	Serpinb5	0.242289	1	0.795033	1.54873	2.57496	No change
NM_145222	B3gnt7	0.242289	1	0.795033	1.53083	2.54519	No change
NM_001163356	6530418L21Rik	0.242303	1	0.647287	1.72932	2.58536	No change
NM_001029889	Gm608	0.242388	1	0.385776	5.51197	6.85676	No change
NM_001081321	Pds5a	0.242606	1	0.375446	19.6001	24.2074	No change
NM_024206	Sec13	0.243195	1	0.364369	75.3712	92.3736	No change
NM_011740	Ywhaz	0.24327	1	0.322219	61.78	73.5309	No change
NM_029735	Eprs	0.243295	1	0.365104	20.0026	24.5273	No change
NM_027193	Dph5	0.243425	1	0.857079	2.00139	3.48189	No change
NM_133905	Papd4	0.243584	1	0.555961	7.33022	10.2723	No change
NM_027352	Gorasp2	0.24367	1	0.391427	28.5537	35.6601	No change
NM_029600	Abcc3	0.243783	1	0.372261	17.3884	21.4282	No change
NM_022988	Nif3l1	0.244071	1	0.620815	4.36822	6.40869	No change
NM_012000	Cln8	0.24428	1	0.553675	2.17824	3.04757	No change
NM_145594	Fgl1	0.24438	1	1.15133	1.12007	2.43577	No change
NM_178679	Zfp365	0.24438	1	1.15133	0.294685	0.64084	No change
NM_001168592	Commdd6	0.244419	1	0.575533	14.0516	19.965	No change
NM_028887	Smchd1	0.244682	1	0.369435	13.1039	16.1165	No change
NM_001042710	Prss57	0.244739	1	0.679054	2.51029	3.8388	No change
NM_030209	Crispld2	0.244774	1	0.530401	3.99685	5.50109	No change
NM_053194	Ric8	0.244868	1	0.456247	10.4997	13.7194	No change
NM_080458	Bsnd	0.245064	1	0.877415	1.07852	1.90455	No change
NM_025474	Mrps14	0.245087	1	0.52048	9.09192	12.4268	No change
NM_001201341	LOC100504473	0.245224	1	0.597934	13.5812	19.6045	No change
NM_019668	Ube2a	0.245478	1	0.704334	3.61277	5.62557	No change
NM_175433	Zfp710	0.245495	1	0.55556	3.07559	4.30873	No change
NM_026192	Calcoco1	0.24551	1	0.424342	15.597	19.9306	No change
NM_001198985	Tjp2	0.245579	1	0.377912	17.7022	21.9008	No change
NM_134129	Prpf19	0.245663	1	0.505231	9.78796	13.2356	No change
NM_001164580	BC030336	0.245718	1	0.46275	6.08842	7.9916	No change
NM_026992	Dnajc24	0.245838	1	0.666396	6.05014	9.16863	No change
NM_011145	Ppard	0.245839	1	0.688549	2.01412	3.10098	No change
NM_146134	Aph1a	0.245875	1	0.519224	11.2145	15.3142	No change
NM_001160400	Megf8	0.245935	1	0.444842	3.51935	4.56202	No change
NM_007472	Aqp1	0.245957	1	0.479504	9.16614	12.1733	No change
NM_025795	Ncaph2	0.246014	1	0.4592	9.2769	12.1466	No change
NM_023322	Zkscan14	0.246112	1	0.629555	4.46795	6.59564	No change
NM_001037170	Tommm40l	0.246224	1	0.635392	2.9357	4.35171	No change
NM_007381	Acadl	0.246461	1	0.504314	10.8665	14.6845	No change
NM_172498	Ptk2b	0.246496	1	0.459899	7.81103	10.2322	No change
NM_011900	Mpdu1	0.246925	1	0.477714	19.7304	26.1704	No change
NM_010754	Smad2	0.246959	1	0.49136	9.15552	12.2605	No change
NM_001081274	Pgd	0.247286	1	0.447875	15.6057	20.2719	No change
NM_144852	Slc7a4	0.247492	1	0.403675	18.011	22.686	No change
NM_022026	Aqp9	0.247505	1	0.372852	34.5565	42.6021	No change
NM_007548	Prdm1	0.247565	1	0.900451	0.52849	0.94921	No change

NM_134102	Pla1a	0.247784	1	0.662748	3.77768	5.70982	No change
NM_009621	Adamts1	0.247818	1	0.576987	2.51094	3.57118	No change
NM_010822	Mpg	0.24806	1	0.500603	12.3011	16.5798	No change
NM_001013769	Rsl1	0.2481	1	0.791927	2.0107	3.33503	No change
NM_001033342	Cdc42bpg	0.248117	1	0.622002	1.55803	2.28763	No change
NM_026758	Mphosph6	0.248277	1	0.612195	9.38937	13.6907	No change
NM_138741	Sdpr	0.248376	1	0.585724	3.80973	5.45188	No change
NM_011490	Stau1	0.248407	1	0.409721	18.3267	23.181	No change
NM_007484	Rhoc	0.248445	1	0.607669	9.63558	14.0047	No change
NM_011543	Skp1a	0.248688	1	0.356224	85.8939	104.675	No change
NM_007876	Dpep1	0.248732	1	0.645302	3.66478	5.4707	No change
NM_001024206	Trappc1	0.248798	1	0.536546	21.8901	30.2582	No change
NM_001039081	Mier1	0.248831	1	0.415511	10.9528	13.91	No change
NM_019711	Rbms2	0.249205	1	0.476425	5.13964	6.81097	No change
NM_009740	Bcl10	0.249218	1	0.531846	9.62238	13.2569	No change
NM_144530	Zc3h11a	0.249261	1	0.368869	22.8663	28.112	No change
NM_020604	Jph1	0.249315	1	0.85082	0.681416	1.17984	No change
NM_013668	Kdm5c	0.249679	1	0.455859	5.22669	6.82742	No change
NM_153412	Phldb2	0.249826	1	0.538111	2.95621	4.09077	No change
NM_178337	Tbce	0.250107	1	0.437799	22.0225	28.4065	No change
NM_001025375	Wdr61	0.25013	1	0.456506	25.6562	33.5288	No change
NM_009687	Apex1	0.25013	1	0.456506	25.0084	32.6822	No change
NM_001164402	Ptpro	0.250133	1	0.760218	1.1373	1.84344	No change
NM_134065	Epdr1	0.250133	1	0.760218	1.98539	3.21811	No change
NM_028365	Zfp839	0.250444	1	0.550537	4.00384	5.5891	No change
NM_001081302	Trio	0.25049	1	0.364451	9.64438	11.8205	No change
NM_020260	Arhgap31	0.250635	1	0.397921	8.49276	10.6543	No change
NM_009537	Yy1	0.250676	1	0.489798	10.346	13.8392	No change
NM_011227	Rab20	0.250678	1	0.642549	11.6798	17.4009	No change
NM_178778	Scal	0.25079	1	0.369484	9.53199	11.7237	No change
NM_026484	Ccny	0.251032	1	0.367673	26.3192	32.3301	No change
NM_177784	Klhl23	0.251051	1	0.389962	16.0156	19.9808	No change
NM_145931	Zc3h7a	0.251244	1	0.375272	24.3916	30.121	No change
NM_001199246	Maged2	0.251298	1	0.424609	22.3031	28.5047	No change
NM_019800	Acp6	0.2513	1	0.675282	4.04822	6.17337	No change
NM_013830	Prpf4b	0.251403	1	0.394301	15.6208	19.5472	No change
NM_152814	Zfp566	0.251425	1	0.971836	1.27688	2.41849	No change
NM_010832	Msl3	0.25177	1	0.500346	9.55686	12.8784	No change
NR_037196	Itch	0.251904	1	0.410299	10.4772	13.2576	No change
NM_021713	Myg1	0.252038	1	0.61816	6.59703	9.6595	No change
NM_130449	Colec12	0.252184	1	0.608932	3.10492	4.51665	No change
NR_036613	Srsf3	0.252312	1	0.364898	37.356	45.7989	No change
NM_025401	Ubl5	0.252324	1	0.449722	18.4746	24.0291	No change
NM_008858	Prkd1	0.25233	1	0.544694	4.17014	5.79726	No change
NM_001081227	6330403A02Rik	0.25241	1	1.05496	0.255091	0.514591	No change
NM_001033212	Rprml	0.252535	1	1.24314	0.975181	2.27695	No change
NM_007892	E2f5	0.252695	1	0.511555	11.6354	15.803	No change
NM_015731	Atp9a	0.252904	1	0.351926	41.8079	50.7968	No change
NM_027353	Cd2bp2	0.252984	1	0.434837	12.9242	16.6361	No change
NM_133722	Fam108c	0.25304	1	0.56722	6.0413	8.5328	No change
NM_001164639	Slk	0.253161	1	0.394045	10.3479	12.9466	No change
NM_011777	Zyx	0.25337	1	0.558073	5.91732	8.30396	No change
NM_172643	Zbtb41	0.253399	1	0.445264	4.54229	5.88957	No change
NM_031408	Gigyf1	0.25343	1	0.574696	2.37094	3.36644	No change
NR_028440	Ccdc85b	0.253505	1	0.801067	0.955149	1.5946	No change
NR_029468	Shhg12	0.253614	1	0.814295	6.32527	10.662	No change
NM_019535	Sh3gl2	0.253878	1	0.571905	4.69421	6.65205	No change
NM_001081260	Tnks1bp1	0.254408	1	0.445734	6.64551	8.61941	No change
NM_001033445	Fam59a	0.25455	1	0.482722	5.53697	7.36972	No change
NM_173432	Pskh1	0.254665	1	0.460684	10.0911	13.2258	No change
NM_007865	Dll1	0.254706	1	0.767859	1.36214	2.21991	No change
NM_001033189	C77080	0.254809	1	0.576827	2.47224	3.5155	No change
NR_027641	Sec16b	0.254988	1	0.845038	0.771392	1.32976	No change
NM_010763	Man1a2	0.255003	1	0.341073	24.6816	29.763	No change
NM_011482	Nhp2l1	0.255161	1	0.393408	59.3249	74.1897	No change
NM_022992	Arl6ip5	0.255234	1	0.540965	12.3355	17.1033	No change
NM_011876	Twf2	0.255332	1	0.704092	3.93498	6.1252	No change
NM_026530	Mpnd	0.255332	1	0.704092	3.70269	5.76362	No change
NM_009820	Runx2	0.255457	1	0.528892	3.08954	4.24748	No change
NM_134142	Tmem109	0.255561	1	0.509783	10.9528	14.8572	No change
NM_001122952	Nfia	0.255852	1	0.470835	3.2314	4.26535	No change
NM_138667	Tab2	0.25589	1	0.420639	12.1531	15.4893	No change
NM_053070	Car7	0.255904	1	0.62427	6.25333	9.19559	No change
NM_001161723	Tcfef	0.256463	1	0.915915	1.13858	2.06793	No change
NM_001039162	Clip2	0.256583	1	0.576074	2.66515	3.78774	No change
NM_175258	Rapgef6	0.256752	1	0.380087	11.4978	14.246	No change

NM_026494	Ppcs	0.256969	1	0.684462	4.83979	7.42837	No change
NM_198725	Egfl7	0.256969	1	0.684462	5.16627	7.92947	No change
NM_001114085	Nde1	0.256983	1	0.573286	8.02856	11.3878	No change
NM_001166640	Csrp2bp	0.256983	1	0.573286	4.07698	5.78286	No change
NM_008164	Rhpn1	0.257008	1	0.528892	8.21203	11.2897	No change
NM_080467	Atp6v0a4	0.257258	1	0.715305	1.82453	2.8629	No change
NM_017367	Ccni	0.257314	1	0.345641	66.2878	80.1888	No change
NM_019780	Vps29	0.257561	1	0.477203	29.3783	38.9512	No change
NM_153592	Erlin2	0.257701	1	0.388962	21.39	26.6668	No change
NM_001080999	Trmt2a	0.25809	1	0.50242	6.30437	8.50754	No change
NM_026845	Ppil1	0.25809	1	0.50242	18.8716	25.4666	No change
NM_029836	Tspyl2	0.258245	1	0.426471	18.0423	23.0887	No change
NM_011086	Pikfyve	0.25831	1	0.414497	5.15189	6.53805	No change
NM_011277	Rnf2	0.258693	1	0.403632	22.3257	28.1189	No change
NM_026675	Nudt22	0.258842	1	0.64437	8.72034	13.0072	No change
NM_026988	Ptms	0.258849	1	0.531643	15.7488	21.6927	No change
NM_011916	Xrn1	0.259015	1	0.539037	3.12928	4.33278	No change
NM_001169577	Ube2h	0.259021	1	0.405429	15.9923	20.1674	No change
NM_172480	Mtrr	0.259028	1	0.518908	5.45538	7.44744	No change
NM_027890	Susd2	0.259168	1	0.668167	2.35521	3.57301	No change
NM_016772	Ech1	0.259355	1	0.460733	30.1309	39.4913	No change
NM_053183	Ddx50	0.259378	1	0.395499	30.6627	38.4012	No change
NM_013861	Tpk1	0.259446	1	0.607137	4.2436	6.16472	No change
NM_001033490	Pus11	0.259931	1	0.765932	3.92236	6.38272	No change
NM_001033540	Gm5113	0.26045	1	0.83968	1.20282	2.06505	No change
NM_172753	Csgalnact1	0.260476	1	1.41342	0.212425	0.565283	No change
NM_177093	Lrrc58	0.260492	1	0.336134	29.5984	35.5696	No change
NM_001122843	Tnpo2	0.260507	1	0.422625	10.9899	14.0259	No change
NM_177326	Pak2	0.260589	1	0.404833	16.6454	20.9821	No change
NR_015531	2700023E23Rik	0.260756	1	0.721013	5.71805	9.00852	No change
NM_011434	Sod1	0.260978	1	0.43365	72.7044	93.5055	No change
NM_145997	Kdm5a	0.261121	1	0.370467	10.96	13.489	No change
NM_172838	Slc16a12	0.261165	1	0.609812	2.79132	4.06259	No change
NM_001161816	Gm15455	0.261187	1	0.61412	3.48927	5.09392	No change
NM_007464	Birc3	0.261285	1	0.52022	7.21474	9.85817	No change
NM_028308	2700078K21Rik	0.261322	1	0.512564	14.8385	20.1666	No change
NM_008590	Mest	0.261408	1	0.684742	2.79539	4.29108	No change
NM_153063	Zfp472	0.261619	1	0.628428	4.14519	6.11314	No change
NM_028095	Mettl10	0.26191	1	0.633722	8.73588	12.9317	No change
NM_001001309	Irga8	0.261947	1	0.499662	4.19459	5.64941	No change
NM_007479	Arf4	0.262236	1	0.389341	43.2765	53.9663	No change
NM_029872	Hnrnpa0	0.262637	1	0.481849	10.722	14.2617	No change
NM_001136076	P4ha2	0.262849	1	0.557844	6.76126	9.48599	No change
NM_173427	Klhdc7a	0.262906	1	0.60433	1.92864	2.7961	No change
NM_026958	1810035L17Rik	0.263111	1	0.550221	38.9216	54.3144	No change
NM_172271	Slc6a17	0.263123	1	0.621542	1.61306	2.36724	No change
NM_023172	Ndufb9	0.263155	1	0.44027	68.6224	88.6635	No change
NM_001159569	Meis2	0.263213	1	0.992549	0.417323	0.802454	No change
NM_011986	Ncdn	0.263213	1	0.525091	5.34796	7.33234	No change
NM_001164769	Fbxw2	0.263511	1	0.521513	8.9015	12.1738	No change
NM_133743	Lypd3	0.263558	1	1.29443	0.598957	1.45433	No change
NR_015493	2810403D21Rik	0.263738	1	1.19186	1.17889	2.64305	No change
NM_172600	6720456H20Rik	0.263819	1	0.499208	4.74147	6.38387	No change
NM_025880	2410002F23Rik	0.264196	1	0.451309	20.1132	26.1881	No change
NM_001162946	Pcx	0.264241	1	0.488146	6.61982	8.84407	No change
NM_001081055	Trappc10	0.264344	1	0.397336	15.9491	19.9996	No change
NM_145497	BC016495	0.264349	1	0.806877	2.52263	4.22818	No change
NM_023663	Ripk4	0.264388	1	0.528892	5.45764	7.50266	No change
NM_008009	Fgfbp1	0.264416	1	2.03985	0.240528	1.11496	No change
NM_016765	Ddah2	0.264566	1	0.703871	4.94799	7.69964	No change
NM_023596	Slc29a3	0.264595	1	0.402385	14.2844	17.9751	No change
NM_175552	Wdr3	0.264828	1	0.48763	8.09154	10.8063	No change
NM_172507	Sh3bgrl2	0.264995	1	0.497844	7.22815	9.72255	No change
NM_178017	Hmgxb4	0.265048	1	0.589054	3.28159	4.70638	No change
NM_172757	Heatr3	0.265156	1	0.561314	4.8654	6.84268	No change
NM_001039483	Tmco1	0.265169	1	0.476786	6.90075	9.14637	No change
NM_011714	Baz1b	0.265326	1	0.410697	10.422	13.1909	No change
NM_008839	Pik3ca	0.265401	1	0.413028	7.28427	9.23452	No change
NM_025594	Zmat2	0.265531	1	0.480912	13.1852	17.5263	No change
NM_024204	Ankrd22	0.265566	1	0.755401	2.9403	4.74786	No change
NM_008067	Gabra3	0.265715	1	0.834701	0.991072	1.69509	No change
NM_013528	Gfpt1	0.265739	1	0.389163	15.0027	18.7061	No change
NM_053139	Pcdhb14	0.265782	1	0.932016	0.75004	1.37819	No change
NM_029979	Trim35	0.265836	1	0.413609	17.5935	22.3129	No change
NM_019830	Prmt1	0.266	1	0.525169	15.8891	21.7856	No change
NM_025844	Chordc1	0.26632	1	0.527631	9.00793	12.3721	No change

NM_011585	Tia1	0.266552	1	0.462771	8.06365	10.5834	No change
NM_053076	Rtn3	0.266697	1	0.355581	64.3942	78.4369	No change
NM_001164295	Cuedc2	0.266716	1	0.495904	14.7156	19.7668	No change
NM_133658	Ercc3	0.266991	1	0.47367	12.1239	16.0341	No change
NM_172557	Rufy1	0.267023	1	0.510305	8.68211	11.7805	No change
NM_021526	Psmc14	0.267033	1	0.54617	11.216	15.6067	No change
NM_001184706	Tfdp2	0.267105	1	0.433409	6.88151	8.84868	No change
NM_013470	Anxa3	0.267193	1	0.55126	10.4299	14.565	No change
NM_011753	Zfp26	0.267238	1	0.419257	5.35818	6.82225	No change
NM_025455	Ccdc28b	0.267238	1	0.652275	10.371	15.5547	No change
NM_001081196	Hnrnpul2	0.267241	1	0.43744	8.45906	10.9078	No change
NM_010291	Gjb5	0.267408	1	1.60862	0.408996	1.26393	No change
NM_009035	Rbpj	0.267625	1	0.462365	6.61586	8.68073	No change
NM_001001932	Eea1	0.267638	1	0.449503	5.38973	7.00869	No change
NM_026735	Mobkl1a	0.2677	1	0.503267	7.78029	10.5049	No change
NM_145131	Pitrm1	0.267842	1	0.60418	3.29336	4.77388	No change
NM_013722	Syn3	0.267871	1	0.608052	1.29399	1.88084	No change
NM_011189	Psme1	0.26801	1	0.658851	8.63137	13.0061	No change
NM_025932	Syap1	0.268055	1	0.436595	21.3352	27.4951	No change
NM_016905	Galk1	0.268109	1	0.520645	14.1607	19.354	No change
NM_017406	Atf6b	0.268174	1	0.643535	3.63615	5.41979	No change
NM_001033475	Tmed8	0.268372	1	0.464352	5.03839	6.62009	No change
NM_207202	Ccdc120	0.268555	1	0.689539	1.97154	3.03648	No change
NM_001017966	Ddi2	0.268574	1	0.46275	10.4175	13.6725	No change
NM_017381	Zranb2	0.269369	1	0.420172	23.7372	30.2422	No change
NM_020008	Clec7a	0.269445	1	0.771463	2.14251	3.49969	No change
NM_018861	Slc1a4	0.269541	1	0.610617	2.87577	4.1875	No change
NM_008326	Irgm1	0.269703	1	0.522967	9.51354	13.0236	No change
NM_133838	Ehd4	0.269901	1	0.545766	5.22646	7.27024	No change
NM_008032	Aff2	0.269962	1	0.720034	1.38267	2.17645	No change
NM_146043	Spin1	0.269977	1	0.58334	12.7072	18.1502	No change
NM_013660	Sema4d	0.269996	1	0.673282	1.79925	2.73911	No change
NR_015479	C230091D08Rik	0.270051	1	0.509783	6.40919	8.69314	No change
NM_030116	Mrpl9	0.270242	1	0.511666	14.6264	19.8647	No change
NM_011898	Spry4	0.270475	1	0.92121	0.592162	1.07921	No change
NM_028018	2400003C14Rik	0.270565	1	0.407973	32.079	40.5242	No change
NM_001033271	Tmem55b	0.270834	1	0.428658	20.5307	26.3121	No change
NM_029389	Fam35a	0.270839	1	0.572665	4.23972	6.01031	No change
NM_001081295	Arhgef26	0.271023	1	0.714247	1.23184	1.93098	No change
NM_020273	Gmeb1	0.271135	1	0.552256	2.60894	3.64572	No change
NM_021304	Abhd1	0.271248	1	0.681223	5.79004	8.86443	No change
NM_020581	Angptl4	0.271383	1	0.961852	1.24517	2.33896	No change
NM_008709	Mycn	0.271571	1	0.888788	1.18124	2.10174	No change
NM_001082553	Rab27b	0.272078	1	0.845366	0.527055	0.90835	No change
NM_011334	Clcn4-2	0.272263	1	0.406977	17.0807	21.5624	No change
NM_025305	Mrps7	0.272443	1	0.519847	16.7916	22.9362	No change
NM_026417	Yipf4	0.272443	1	0.519847	10.4229	14.237	No change
NM_008737	Nrp1	0.272671	1	0.511969	4.02618	5.46921	No change
NM_026082	Dock7	0.272711	1	0.366853	23.0661	28.3168	No change
NM_028990	Tmem168	0.272763	1	0.464041	8.35151	10.9707	No change
NM_013659	Sema4b	0.272903	1	0.557284	4.20348	5.89465	No change
NM_172154	Lcor	0.273102	1	0.565139	3.36284	4.74193	No change
NM_146054	Fermt2	0.27325	1	0.463838	11.7982	15.496	No change
NM_001162884	Igsf10	0.273682	1	0.560903	1.61032	2.26394	No change
NM_009875	Cdkn1b	0.27378	1	0.528892	8.66453	11.9104	No change
NM_133926	Camk1	0.273825	1	0.629396	7.19286	10.6134	No change
NM_025679	Sike1	0.273922	1	0.551702	6.22703	8.69805	No change
NM_021542	Kcnk5	0.274088	1	0.503598	7.72755	10.4357	No change
NM_001159571	Ephb4	0.274206	1	0.76952	1.15063	1.87667	No change
NM_053100	Trim8	0.274208	1	0.663193	2.62343	3.96501	No change
NM_001081378	Kidins220	0.274533	1	0.402832	11.6657	14.6841	No change
NM_001039039	Kctd21	0.27498	1	0.752589	1.82847	2.94601	No change
NM_008683	Neddb8	0.275217	1	0.433981	92.6152	119.135	No change
NM_016709	Auh	0.275305	1	0.627479	7.82426	11.5293	No change
NM_025793	Wdr45l	0.275453	1	0.482286	13.7661	18.3153	No change
NM_026303	Alkbh8	0.275545	1	0.744987	2.48794	3.98663	No change
NM_001111066	Fkbp8	0.275646	1	0.408341	47.28	59.7415	No change
NM_001017983	Foxred2	0.275882	1	0.533808	4.24585	5.85651	No change
NM_172585	Larp4b	0.276083	1	0.419828	14.5838	18.5756	No change
NM_023126	Rab8a	0.276173	1	0.488815	15.1371	20.2314	No change
NM_011977	Slc27a1	0.276276	1	0.456743	15.31	20.009	No change
NM_008880	Plscr2	0.276341	1	0.881194	1.69175	2.99287	No change
NM_053143	Pcdhb18	0.276341	1	0.881194	0.636213	1.12552	No change
NM_173740	Maoa	0.276343	1	0.708598	1.62466	2.53623	No change
NM_028181	Ccp1	0.276382	1	0.407682	30.6203	38.6731	No change
NM_001033433	Tmem102	0.276732	1	0.689884	3.84191	5.91785	No change

NM_029649	Tmem101	0.276732	1	0.689884	4.73169	7.28842	No change
NR_004442	LOC100042049	0.276786	1	0.490824	37.0835	49.6333	No change
NM_025486	Tmem208	0.276821	1	0.642783	12.4998	18.6193	No change
NM_008381	Inhbb	0.27693	1	0.483288	7.61627	10.1402	No change
NM_009883	Cebpb	0.276936	1	0.84029	2.50227	4.296	No change
NM_025437	Eif1ax	0.276978	1	0.51815	25.2882	34.5	No change
NM_001161724	Ilk	0.277311	1	0.478713	18.9649	25.1688	No change
NM_007993	Fbn1	0.277396	1	0.482891	3.30161	4.39448	No change
NM_001164745	Ptp4a2	0.27744	1	0.386129	35.7944	44.535	No change
NM_001081344	Stxbp5	0.277519	1	0.456966	4.7696	6.23444	No change
NR_027656	Gm9786	0.277594	1	0.456344	45.3511	59.2537	No change
NM_027143	Khynyn	0.27778	1	0.55973	4.35131	6.11223	No change
NM_145984	Prepl	0.278038	1	0.446311	14.5587	18.889	No change
NM_172584	Itpk1	0.27825	1	0.424737	23.0114	29.4102	No change
NM_001013806	Ankrd13c	0.27832	1	0.530063	8.06169	11.0905	No change
NM_013671	Sod2	0.278332	1	0.423183	17.5873	22.4535	No change
NM_001130525	Lzts2	0.278448	1	0.520253	8.37017	11.436	No change
NM_172627	Pggt1b	0.27846	1	0.512682	9.09371	12.3588	No change
NM_010173	Faah	0.278468	1	0.429882	16.09	20.638	No change
NM_001162977	Megf6	0.278803	1	0.767679	0.75004	1.22157	No change
NM_021366	Kif13	0.278838	1	0.576305	2.35361	3.34486	No change
NR_037569	1810026B05Rik	0.278853	1	0.460252	8.22547	10.7763	No change
NM_133947	Numa1	0.278934	1	0.387998	16.7972	20.9261	No change
NM_001024703	Mctp2	0.279044	1	0.797381	0.782526	1.30213	No change
NM_028716	Phf19	0.279044	1	0.797381	1.21027	2.01391	No change
NM_010875	Ncam1	0.279165	1	0.479331	7.06203	9.37618	No change
NM_007396	Acvr2a	0.279458	1	0.463347	7.23796	9.50305	No change
NM_134469	Fdps	0.279555	1	0.473397	30.1452	39.8578	No change
NM_021485	Rps6kb2	0.279579	1	0.809	2.89803	4.8631	No change
NM_144937	Usp3	0.279746	1	0.483089	15.1672	20.1902	No change
NM_011394	Slc20a2	0.279905	1	0.528892	5.98239	8.22319	No change
NM_134150	Otub1	0.279923	1	0.438665	33.2049	42.852	No change
NM_024166	Chchd2	0.280222	1	0.404452	101.17	127.488	No change
NM_198011	E430018J23Rik	0.280244	1	0.643588	4.54309	6.77085	No change
NM_001164676	Zfp229	0.280415	1	0.612403	2.63312	3.83858	No change
NM_010581	Cd47	0.280497	1	0.570984	8.26557	11.7026	No change
NM_001164679	Ano8	0.280544	1	0.737001	1.59531	2.54144	No change
NM_028761	Parn	0.28058	1	0.48943	10.879	14.5462	No change
NM_146107	Actr1b	0.280894	1	0.469276	18.8241	24.8175	No change
NM_030563	N4bp1	0.280952	1	0.478952	5.45133	7.2357	No change
NM_012011	Eif2s3y	0.281116	1	0.500464	16.1315	21.7364	No change
NM_028753	Pop7	0.28121	1	0.730526	7.83166	12.4184	No change
NM_029092	Rg9mtd1	0.281317	1	0.579981	8.07925	11.5114	No change
NM_007955	Ptprv	0.281884	1	0.502767	4.61945	6.23448	No change
NM_010123	Eif3a	0.282256	1	0.347566	65.6805	79.5582	No change
NM_001163663	Rab6	0.282429	1	0.438935	17.8244	23.0071	No change
NM_009531	Xpc	0.28249	1	0.503613	7.71594	10.4197	No change
NM_172505	A730008H23Rik	0.282501	1	0.419215	34.1077	43.4243	No change
NM_001024945	Qsox1	0.282674	1	0.38853	37.9465	47.291	No change
NM_007757	Cpox	0.282696	1	0.671186	2.6704	4.05853	No change
NM_172790	Ankrd52	0.282779	1	0.602602	1.94908	2.82172	No change
NM_001110150	Mgat1	0.283021	1	0.530019	8.28626	11.3988	No change
NM_145955	Mcmbp	0.283131	1	0.456952	11.1093	14.5207	No change
NM_021431	Nudt11	0.283296	1	0.784287	1.8599	3.06542	No change
NM_173776	Mam12	0.283607	1	0.794576	1.04884	1.74156	No change
NM_008540	Smad4	0.283774	1	0.469999	11.9736	15.7936	No change
NM_178664	B3gnt11	0.283949	1	0.578618	5.37792	7.65502	No change
NM_001159525	Pex19	0.284045	1	0.46018	15.7206	20.5943	No change
NM_177906	Opcml	0.284076	1	1.74612	0.104679	0.359434	No change
NM_026842	Ubqln1	0.284092	1	0.379774	42.4851	52.6259	No change
NM_027181	Pin4	0.284161	1	0.805733	9.39021	15.7184	No change
NM_001081412	Bcr	0.284168	1	0.515105	3.9127	5.32639	No change
NM_175185	Hsd1l	0.284229	1	0.483461	10.9741	14.6119	No change
NM_145418	BC013529	0.284345	1	0.499092	19.113	25.7286	No change
NM_016676	Rab10	0.284382	1	0.418955	22.2192	28.2831	No change
NM_009688	Xiap	0.28447	1	0.51692	3.85173	5.25006	No change
NM_013791	Mkln1	0.284604	1	0.46584	10.6612	14.0217	No change
NM_206856	Tacc2	0.284723	1	0.612034	3.14029	4.57654	No change
NM_001081278	Tbc1d4	0.284746	1	0.490003	4.92185	6.58345	No change
NM_177633	Ubxn7	0.284957	1	0.412692	8.41611	10.6664	No change
NM_183208	Zmiz1	0.285139	1	0.52364	3.1767	4.35039	No change
NM_011675	Uck1	0.285158	1	0.551098	9.75201	13.6149	No change
NM_026533	Rps13	0.285172	1	0.477618	64.1846	85.113	No change
NM_025539	Nudt2	0.285348	1	0.729844	7.47884	11.8523	No change
NM_010146	Epm2a	0.28545	1	1.11385	1.42099	2.99406	No change
NR_015455	BC064078	0.28548	1	0.867694	4.14839	7.26456	No change

NM_029348	Zbtb4	0.285651	1	0.458395	5.96808	7.80855	No change
NM_011240	Ranbp2	0.285796	1	0.349155	38.1046	46.2065	No change
NM_030733	Gpr63	0.285798	1	0.966298	1.02922	1.93866	No change
NM_029884	Hgsnat	0.285833	1	0.482006	13.3975	17.8205	No change
NM_009269	Sptlc1	0.286135	1	0.467183	16.5005	21.7218	No change
NM_010663	Krt17	0.286147	1	1.18786	0.830227	1.85298	No change
NM_021560	Bhlhe22	0.286147	1	1.18786	0.393252	0.877695	No change
NM_010142	Ephb2	0.286177	1	0.831125	0.846001	1.44243	No change
NM_026787	1110012L19Rik	0.286253	1	0.698817	7.05501	10.935	No change
NM_010093	E2f3	0.286257	1	0.661918	1.79121	2.70431	No change
NM_010251	Gabra4	0.286315	1	0.614425	2.9581	4.31825	No change
NM_146090	Zadh2	0.286466	1	0.653125	2.896	4.34507	No change
NM_001177882	Mfap3l	0.286584	1	0.369035	33.8872	41.6636	No change
NM_207214	Exoc5	0.286799	1	0.442736	12.3709	16.01	No change
NM_008874	Plcb3	0.28694	1	0.490053	7.95779	10.6446	No change
NM_008180	Gss	0.287078	1	0.605879	6.98055	10.1288	No change
NM_001110311	Snx12	0.287204	1	0.694478	6.82048	10.5387	No change
NM_146087	Csnk1a1	0.287283	1	0.421387	39.0184	49.7508	No change
NM_023230	Ube2v1	0.28733	1	0.461935	23.4097	30.7044	No change
NM_008506	Mycl1	0.287491	1	0.713031	1.99351	3.12135	No change
NM_153556	Pms1	0.287491	1	0.713031	2.29934	3.60021	No change
NM_029053	4930451C15Rik	0.287534	1	0.772818	2.34288	3.82928	No change
NM_011215	Ptprn2	0.28755	1	0.76427	1.15957	1.88359	No change
NM_013851	Abca8b	0.28755	1	0.76427	0.879904	1.42931	No change
NM_019802	Ggcx	0.287597	1	0.613033	4.27918	6.24054	No change
NM_153062	Slc37a1	0.287671	1	0.650608	3.35268	5.0212	No change
NM_178644	Oaf	0.288333	1	0.886444	1.37168	2.43512	No change
NM_011019	Osmr	0.288674	1	0.560212	3.76212	5.28595	No change
NM_033596	Hist2h4	0.288822	1	0.735343	18.024	28.6751	No change
NM_139234	Fgd4	0.288858	1	0.611685	5.25382	7.65451	No change
NM_026965	Comtd1	0.289558	1	0.619279	5.38013	7.88067	No change
NM_033477	D17H6S53E	0.289994	1	0.698817	3.57316	5.53797	No change
NM_001081351	A430107O13Rik	0.290023	1	0.548656	4.11214	5.73097	No change
NM_001171000	Ahcyl2	0.290569	1	0.46759	8.52726	11.2286	No change
NM_001161825	Pex7	0.290671	1	0.510208	15.6195	21.1894	No change
NM_001146687	Pip5k1c	0.290731	1	0.551494	4.71145	6.57927	No change
NM_028651	Tmtc4	0.290849	1	0.533231	6.80483	9.38153	No change
NM_010515	Igf2r	0.290851	1	0.415056	10.2795	13.0492	No change
NM_001170485	Arpc4	0.291002	1	0.521997	12.5037	17.1031	No change
NM_001099792	Trmt61a	0.291141	1	0.679135	3.98993	6.09768	No change
NM_001040631	C1qtnf5	0.291309	1	0.556077	15.2228	21.3263	No change
NM_001077353	Gsta3	0.291309	1	0.556077	13.2176	18.5171	No change
NM_008332	Ifit2	0.292048	1	0.747727	1.51775	2.43606	No change
NM_008892	Pola1	0.292275	1	0.557461	3.57132	5.00805	No change
NM_199195	Bckdhh	0.292289	1	0.78942	3.53948	5.8542	No change
NM_001127261	Trp63	0.29237	1	0.740943	2.60726	4.16442	No change
NM_001198831	Ddr1	0.292489	1	0.57888	4.4734	6.36824	No change
NM_021513	Thap11	0.292527	1	0.583695	8.48534	12.1206	No change
NM_175331	Nt5dc3	0.292542	1	0.517665	4.51974	6.16351	No change
NM_019877	Copz2	0.292544	1	0.87939	3.67595	6.49133	No change
NM_001081232	D5Erd579e	0.292617	1	0.430866	11.2107	14.3888	No change
NM_025818	1200014J11Rik	0.292629	1	0.570135	2.76154	3.90715	No change
NM_080445	B3galt6	0.292699	1	0.686643	2.55953	3.93253	No change
NM_177366	Gpr157	0.292699	1	0.686643	1.72696	2.65334	No change
NM_025868	Tmx2	0.292755	1	0.483773	19.2293	25.6084	No change
NM_172524	Nipal4	0.293032	1	0.941674	0.824894	1.52515	No change
NM_145541	Rap1a	0.293125	1	0.549529	14.7196	20.5264	No change
NM_022563	Ddr2	0.293186	1	0.5091	3.53929	4.79761	No change
NM_019441	Ppt2	0.293299	1	0.541393	12.9061	17.895	No change
NM_001102424	Stx16	0.293629	1	0.454695	14.6005	19.0533	No change
NM_001033253	Plekhg1	0.293681	1	0.448452	8.1239	10.5554	No change
NM_133897	Lrrc8c	0.293713	1	0.571705	6.10953	8.65349	No change
NM_026725	Dusp23	0.293796	1	0.722903	4.81998	7.59961	No change
NM_030743	Rnf114	0.293804	1	0.444188	20.6455	26.7452	No change
NM_173371	H6pd	0.29396	1	0.454115	11.4856	14.9823	No change
NM_026647	Zdhc21	0.293987	1	0.448392	6.70569	8.71238	No change
NM_178899	Hepacam2	0.29401	1	0.66025	4.30126	6.48559	No change
NM_178599	Commd8	0.29407	1	0.524956	7.36363	10.093	No change
NM_080635	Eif3h	0.294128	1	0.420492	72.0766	91.8433	No change
NM_133225	Acbd3	0.29413	1	0.46972	12.9708	17.1049	No change
NM_028385	Setd5	0.294226	1	0.42088	13.6154	17.3541	No change
NM_009409	Top2b	0.294387	1	0.468156	8.16569	10.7565	No change
NM_001099217	Ly6c2	0.294836	1	0.823075	5.39446	9.14192	No change
NM_001162410	Chuk	0.29489	1	0.448216	17.0881	22.1989	No change
NM_023587	Ptplb	0.295	1	0.476958	11.6058	15.3824	No change
NM_001081366	Vps8	0.295368	1	0.595388	2.92234	4.20873	No change

NR_003248	Foxl2os	0.295404	1	1.80191	0.149395	0.538625	No change
NM_001003948	Pid1	0.295715	1	0.707695	2.79608	4.36076	No change
NM_026719	Lmbrd1	0.295941	1	0.516339	5.20888	7.09655	No change
NM_001145780	Use1	0.296214	1	0.487641	35.271	47.0981	No change
NM_009227	Snrpe	0.296222	1	0.589079	31.4468	45.0882	No change
NM_001081371	Dmxl1	0.296268	1	0.394082	12.5933	15.7549	No change
NM_133930	Creld1	0.29643	1	0.703143	3.76904	5.85905	No change
NR_027985	4632415L05Rik	0.296467	1	0.672889	2.20226	3.35048	No change
NR_028078	Snora21	0.296538	1	1.52889	5.98924	17.3869	No change
NM_025809	Clec14a	0.296562	1	0.984572	0.522044	0.996438	No change
NM_023556	Mvk	0.297017	1	0.796998	2.94063	4.88992	No change
NM_001172136	Exog	0.297174	1	0.698817	2.02554	3.13901	No change
NM_009502	Vcl	0.297441	1	0.433405	14.5543	18.7132	No change
NM_010508	Ifnar1	0.297851	1	0.477993	6.08186	8.06663	No change
NM_011467	Spr	0.29794	1	0.694701	6.59411	10.1889	No change
NM_011383	Six5	0.298066	1	0.717196	2.51608	3.95064	No change
NM_001110205	Acvr1	0.298188	1	0.658175	3.59009	5.40501	No change
NM_010113	Egf	0.298191	1	0.542068	4.7761	6.62523	No change
NM_001017426	Kdm6b	0.298254	1	0.582664	2.47555	3.53336	No change
NM_010461	Hoxb8	0.298887	1	0.60862	5.19074	7.54552	No change
NM_134000	Traf3ip2	0.298922	1	0.595478	5.25067	7.56222	No change
NM_025454	Ing5	0.299353	1	0.540722	5.11409	7.08734	No change
NM_172740	Zfp420	0.299768	1	0.76753	1.6932	2.75622	No change
NM_175455	Ankrd34b	0.299784	1	1.28378	0.265328	0.637737	No change
NM_001190332	Frmd7	0.299819	1	0.745612	1.34977	2.16284	No change
NM_009907	Cln3	0.299834	1	0.553921	8.77397	12.2725	No change
NM_176831	Ppcdc	0.299834	1	0.553921	7.57477	10.5951	No change
NM_144959	Hltf	0.300111	1	0.61909	4.21484	6.17229	No change
NM_178087	Pml	0.30018	1	0.65322	1.93123	2.89727	No change
NM_011512	Surf4	0.300294	1	0.373512	93.6704	115.523	No change
NM_001145931	Yeats2	0.300344	1	0.73311	2.85067	4.52708	No change
NM_138594	D6Wsu163e	0.300428	1	0.784791	2.33555	3.84938	No change
NM_001001806	Zfp36l2	0.300468	1	0.600253	4.16342	6.01646	No change
NM_023343	Ilkap	0.300674	1	0.538271	17.5251	24.2452	No change
NR_028549	Snord37	0.300732	1	0.555189	391.858	548.591	No change
NM_001003817	Erbp2	0.300736	1	0.614155	2.67728	3.90699	No change
NM_001077266	Hnrnpd	0.300947	1	0.473779	6.87332	9.08948	No change
NM_178389	Gale	0.301031	1	0.794395	3.26473	5.41819	No change
NM_001038587	Adar	0.301221	1	0.50388	5.64091	7.61824	No change
NM_013770	Slc25a10	0.301274	1	0.494459	9.21689	12.366	No change
NM_133828	Creb1	0.301344	1	0.468546	5.93043	7.81398	No change
NM_007754	Cpd	0.301356	1	0.397859	16.7227	20.9756	No change
NM_007841	Ddx6	0.301405	1	0.406861	21.2628	26.838	No change
NM_028259	Rps6kb1	0.301668	1	0.585359	5.03114	7.1944	No change
NM_173430	Fkrp	0.302224	1	0.625236	4.47068	6.5753	No change
NM_008743	Nthl1	0.302577	1	1.11385	1.4842	3.12424	No change
NM_001043335	Eml1	0.302744	1	0.707379	1.8596	2.89925	No change
NM_080461	Zfp358	0.302831	1	0.629243	6.13605	9.05019	No change
NM_172904	Fsd2	0.302944	1	1.06139	0.632295	1.27854	No change
NM_026637	Ggct	0.30298	1	0.541492	17.4488	24.1939	No change
NM_144897	Apoa1bp	0.30308	1	0.50021	39.0434	52.5938	No change
NM_001167680	Rhbdf2	0.303138	1	0.65383	2.88714	4.33306	No change
NM_134082	Farp1	0.303253	1	0.639682	2.36758	3.51786	No change
NM_026899	Ssu72	0.30331	1	0.571328	12.8243	18.158	No change
NM_001083807	Rusc1	0.303325	1	0.661866	2.97798	4.49492	No change
NM_023644	Mccc1	0.303397	1	0.594694	5.24042	7.54299	No change
NM_011638	Tfrc	0.303429	1	0.496548	7.50256	10.0805	No change
NM_001167976	Slc25a21	0.303599	1	0.765932	2.6706	4.34193	No change
NM_007958	Smarcad1	0.303668	1	0.554427	4.19689	5.87227	No change
NM_020047	Tacstd2	0.303687	1	0.884373	1.97542	3.50001	No change
NM_024237	Fbln7	0.303764	1	1.14628	0.503112	1.08587	No change
NM_029564	Tax1bp3	0.303847	1	0.627626	8.80384	12.97	No change
NM_025345	0610037P05Rik	0.303854	1	0.514196	21.7117	29.5343	No change
NM_026229	Gpr89	0.3039	1	0.497183	20.8487	28.0249	No change
NM_030241	Setd8	0.303923	1	0.509412	11.8361	16.0468	No change
NM_009371	Tgfb2	0.304206	1	0.539074	5.12362	7.09213	No change
NM_029742	Klhdc10	0.304213	1	0.438893	13.1615	16.9867	No change
NM_024210	2310033P09Rik	0.304292	1	0.726832	5.67203	8.96664	No change
NM_178801	6030446N20Rik	0.304292	1	0.726832	2.77672	4.38959	No change
NM_007387	Acp2	0.304606	1	0.505749	7.27934	9.84368	No change
NM_031393	Sytl1	0.304649	1	0.694837	4.34449	6.71292	No change
NM_009105	Rsu1	0.305279	1	0.620815	9.32859	13.6769	No change
NM_153775	Ctu2	0.305318	1	0.61255	4.54618	6.6265	No change
NM_145452	Rasa1	0.305329	1	0.413415	23.7866	30.1604	No change
NM_019701	Clnkb	0.3056	1	0.711756	3.27616	5.12354	No change
NM_001168256	Tmem40	0.30573	1	1.18424	0.941796	2.09348	No change

NM_133819	Ppp1r15b	0.305809	1	0.442453	13.4447	17.3953	No change
NM_026864	Rasl11a	0.305844	1	1.02075	1.91872	3.76169	No change
NM_174989	Ticam1	0.305955	1	0.674034	3.3492	5.09893	No change
NM_001163557	Ppfibp2	0.306005	1	0.640401	3.04121	4.52094	No change
NM_001161458	Cbfb	0.306052	1	0.500878	12.417	16.734	No change
NM_001162485	Arrdc1	0.306231	1	0.589724	9.74468	13.977	No change
NM_009462	Usp10	0.306231	1	0.589724	5.10421	7.32108	No change
NM_001040396	2810407C02Rik	0.306605	1	0.431337	25.5305	32.7777	No change
NM_001085355	Arid1b	0.306633	1	0.48375	3.88927	5.17909	No change
NM_001081326	Agl	0.306641	1	0.506731	3.55524	4.81093	No change
NM_198652	Hjurp	0.306812	1	0.387633	25.9563	32.3268	No change
NM_013545	Ptpn6	0.306825	1	0.623075	5.95829	8.74942	No change
NM_023821	Cmya5	0.30684	1	0.812685	0.399993	0.672586	No change
NM_008112	Gdi2	0.306863	1	0.400122	61.0886	76.7448	No change
NM_133797	4833439L19Rik	0.307192	1	0.435082	32.174	41.4148	No change
NM_023544	Rsc1a1	0.307242	1	0.543289	11.2596	15.6314	No change
NM_001025947	Dnm1	0.307392	1	0.407549	35.2366	44.4965	No change
NM_020046	Dhodh	0.307569	1	0.668229	4.26937	6.47296	No change
NM_001033530	AW146154	0.307747	1	0.613426	4.12723	6.01941	No change
NM_027188	Smyd3	0.307827	1	0.649908	2.94634	4.40939	No change
NM_175285	Tmem62	0.308112	1	0.721116	2.57762	4.05797	No change
NM_178695	Prrg4	0.308214	1	0.824348	1.59172	2.6991	No change
NM_026030	Eif2s2	0.308306	1	0.440261	32.087	41.4519	No change
NR_033299	9530091C08Rik	0.308383	1	0.665497	1.26683	1.91695	No change
NM_001013792	Fam105b	0.308664	1	0.580862	12.0757	17.2125	No change
NM_008254	Hmgcl	0.308705	1	0.789583	3.74852	6.19851	No change
NM_152807	Ccdc137	0.308714	1	0.64777	4.09216	6.11485	No change
NM_030717	Lactb	0.308818	1	0.634934	6.03937	8.94294	No change
NM_001146349	Rnf217	0.308868	1	0.655001	3.77706	5.67299	No change
NM_172307	Mbtps2	0.308868	1	0.655001	2.25097	3.38086	No change
NM_019678	Tfg	0.309163	1	0.449941	38.1822	49.6596	No change
NM_001163430	Sirt6	0.309538	1	0.799219	3.05011	5.07874	No change
NM_133985	Oxsr1	0.30961	1	0.580278	9.46895	13.4912	No change
NM_028873	Dnajc14	0.309632	1	0.450533	16.661	21.6782	No change
NM_011581	Thbs2	0.309837	1	0.684171	1.54167	2.36394	No change
NM_207705	Elmo2	0.310207	1	0.55014	7.22296	10.0755	No change
NM_016925	Fanca	0.310229	1	0.495842	8.79411	11.8097	No change
NM_001161823	Kdm4a	0.310243	1	0.478011	10.6593	14.1373	No change
NM_010143	Ephb3	0.31108	1	0.871654	0.907942	1.59343	No change
NR_028042	Gm10012	0.311632	1	0.510014	93.486	126.792	No change
NM_001033332	Tmtc3	0.312067	1	0.604841	5.52444	8.00825	No change
NM_001113527	Isg20	0.312148	1	0.510708	38.9093	52.7969	No change
NM_001165894	Akt1	0.312374	1	0.486424	17.2648	23.0329	No change
NM_033562	Derl2	0.312506	1	0.462943	16.9856	22.2923	No change
NM_007616	Cav1	0.312522	1	0.528035	11.7696	16.1652	No change
NM_008494	Lfng	0.312526	1	1.33625	0.42719	1.06869	No change
NM_053142	Pcdhb17	0.312636	1	0.974452	0.788575	1.4929	No change
NM_133774	Stard4	0.312855	1	0.68439	3.10525	4.76201	No change
NM_008397	Iltga6	0.312981	1	0.603854	3.71254	5.37792	No change
NM_054089	Tgs1	0.313162	1	0.632322	2.9636	4.38013	No change
NM_028810	Rnd3	0.313275	1	0.651121	4.01838	6.01856	No change
NM_144873	Uhrf2	0.31348	1	0.50304	10.7947	14.5692	No change
NM_153150	Slc25a1	0.313564	1	0.504645	22.3865	30.248	No change
NM_007912	Egfr	0.313615	1	0.832954	1.66555	2.84161	No change
NM_172144	Ppp2r3a	0.313755	1	0.50415	7.95528	10.7453	No change
NM_016776	Mybbp1a	0.313765	1	0.545778	6.09411	8.47472	No change
NM_019479	Hes6	0.314259	1	0.730526	5.42926	8.60416	No change
NM_001081103	Stim2	0.314286	1	0.557203	4.64146	6.50651	No change
NM_026272	Narf	0.314323	1	0.561618	4.97581	6.99685	No change
NM_029639	1600029D21Rik	0.314456	1	0.72529	4.03962	6.37796	No change
NM_145590	BC017158	0.314467	1	0.62055	5.41278	7.93362	No change
NM_021345	Ptplad1	0.314568	1	0.432979	36.7463	47.2302	No change
NM_022009	Flii	0.314626	1	0.458578	16.7805	21.956	No change
NM_172513	Fam126b	0.314631	1	0.460357	7.5504	9.89138	No change
NM_145831	Dmrt2	0.314789	1	0.768943	2.56465	4.17782	No change
NM_019809	Pdlim5	0.314892	1	0.646978	4.87706	7.28314	No change
NM_177730	Impad1	0.315057	1	0.444385	18.1316	23.4904	No change
NM_019694	Letm1	0.315298	1	0.4885	13.2176	17.6589	No change
NR_027445	A230072C01Rik	0.315342	1	0.916818	1.80308	3.27057	No change
NM_001081161	Fam171a1	0.315371	1	0.567648	5.07652	7.16871	No change
NM_016906	Sec61a1	0.315419	1	0.382132	106.019	131.534	No change
NM_023245	Palmd	0.315753	1	0.70681	3.46427	5.39782	No change
NM_001039160_2	Gvin1	0.316009	1	0.421733	14.301	18.2379	No change
NM_001170691	Elmod2	0.316056	1	0.536034	5.9559	8.22605	No change
NM_001205367	Sept7	0.316258	1	0.491506	17.74	23.7506	No change
NM_001004364	Asap2	0.316427	1	0.637074	2.29162	3.39824	No change

NM_030168	Rictor	0.316555	1	0.466157	6.6752	8.78019	No change
NM_009543	Rnf103	0.316762	1	0.556454	7.17427	10.0516	No change
NM_021429	Hs1bp3	0.316859	1	0.666827	3.55769	5.38796	No change
NM_027288	Manba	0.316919	1	0.563739	5.99428	8.4414	No change
NM_198003	Zfp946	0.317033	1	0.656648	3.84661	5.78364	No change
NM_009190	Vps4b	0.317466	1	0.467704	18.829	24.7933	No change
NM_028731	Esyt2	0.317514	1	0.445909	15.3448	19.9009	No change
NM_133857	Usp53	0.317646	1	0.484991	12.2926	16.3828	No change
NM_022996	Ndfip1	0.317763	1	0.601899	17.479	25.2839	No change
NM_139147	Rab40b	0.317815	1	0.803899	2.7653	4.61926	No change
NM_001163387	Nlgn1	0.317915	1	1.06323	0.423941	0.857811	No change
NM_010934	Npy1r	0.31799	1	1.39396	0.3013	0.787862	No change
NR_002896	Snhg1	0.31799	1	1.39396	1.90338	4.97711	No change
NR_030675	D730005E14Rik	0.31815	1	0.715305	2.22198	3.48307	No change
NM_019996	Phax	0.318163	1	0.590468	9.46175	13.577	No change
NM_001039723	Tmem120b	0.318519	1	0.908536	1.79853	3.24217	No change
NM_001130008	Gspt1	0.318544	1	0.424948	18.2865	23.3726	No change
NM_028102	Ddhd2	0.318881	1	0.509464	8.83616	11.9792	No change
NM_008214	Hars	0.319036	1	0.506787	19.5519	26.4569	No change
NM_080793	Setd7	0.319162	1	0.548258	3.49602	4.87	No change
NM_009668	Bin1	0.319168	1	0.841775	1.78845	3.07049	No change
NM_026406	Rnf115	0.319199	1	0.533999	12.9847	17.9081	No change
NM_011591	Timm17b	0.319243	1	0.681663	5.94577	9.09965	No change
NM_001162922	Zfp931	0.319395	1	0.783209	3.21238	5.28646	No change
NR_015456	D7Erd715e	0.319395	1	0.783209	2.60594	4.28847	No change
NM_028149	Fbxl20	0.319566	1	0.475254	6.64783	8.79975	No change
NM_146007	Col6a2	0.319929	1	0.555515	6.50393	9.10623	No change
NM_133242	Rbm39	0.320051	1	0.406018	68.4289	86.3177	No change
NM_030705	Mesdc1	0.320231	1	0.791927	1.43118	2.37002	No change
NM_009497	Vamp2	0.32027	1	0.599282	7.85817	11.3459	No change
NM_198831	Mrp148	0.32027	1	0.599282	17.9568	25.9266	No change
NR_037270	Mir3087	0.320434	1	1.14488	27.3794	58.9712	No change
NM_016690	Hnrpd1	0.32047	1	0.461268	25.571	33.5199	No change
NM_033270	E2f6	0.3208	1	0.724352	3.1835	5.02241	No change
NM_133354	Sumo2	0.320957	1	0.447717	87.3606	113.441	No change
NM_178377	Commd10	0.321198	1	0.632883	8.6835	12.838	No change
NM_153080	Tom1l2	0.321259	1	0.500464	8.55829	11.5296	No change
NM_001177480	Gm14391	0.321316	1	1.00694	2.50482	4.85689	No change
NM_026928	1810014F10Rik	0.321316	1	1.00694	3.64548	7.06865	No change
NM_001114079	Pabpc1l	0.321565	1	0.765932	2.66456	4.33064	No change
NM_009776	Serping1	0.321599	1	0.448996	47.4065	61.614	No change
NM_194344	Sh3tc1	0.321606	1	0.670248	2.32872	3.5351	No change
NM_001122896	Hp1bp3	0.321624	1	0.470701	20.0818	26.4979	No change
NM_013494	Cpe	0.322019	1	0.44534	44.0534	57.1104	No change
NM_138604	Otud5	0.322228	1	0.543319	11.1072	15.4188	No change
NM_007668	Cdk5	0.322244	1	0.531311	15.1035	20.7908	No change
NM_009005	Rab7	0.322389	1	0.560188	38.0854	53.4981	No change
NR_027958	D930048N14Rik	0.322503	1	0.612957	4.5527	6.63684	No change
NM_182939	Ppp4r2	0.322525	1	0.447084	24.8069	32.1985	No change
NM_025959	Psmc6	0.322564	1	0.582493	12.6107	17.9936	No change
NM_139300	Myk	0.322798	1	0.434361	14.4848	18.6349	No change
NM_018867	Cpxm2	0.322816	1	0.567573	6.3809	9.00971	No change
NM_001033272	Spata13	0.322876	1	0.547508	3.56021	4.9567	No change
NM_198031	Tubgcp3	0.322926	1	0.531295	8.57554	11.8045	No change
NM_029083	Ddit4	0.322951	1	0.554638	14.8899	20.8343	No change
NM_001160229	Zfp275	0.323062	1	0.494677	7.44294	9.98652	No change
NM_001013379	Zfp930	0.32311	1	0.676046	3.44278	5.24774	No change
NM_008380	Inhba	0.323522	1	0.930143	2.05113	3.75623	No change
NM_001130451	Nfe2l1	0.323701	1	0.435963	31.6284	40.7358	No change
NR_027913	G630025P09Rik	0.323737	1	0.734007	3.14647	4.99811	No change
NM_028658	Klraq1	0.323766	1	0.72883	2.44537	3.87007	No change
NM_010097	Sparcl1	0.32384	1	0.466157	22.053	29.0067	No change
NM_001081352	Ttc37	0.324089	1	0.660422	2.12407	3.20198	No change
NM_198326	Nsfl1c	0.324125	1	0.563888	17.2431	24.2838	No change
NM_021395	Hyou1	0.324592	1	0.399903	56.7041	71.224	No change
NM_001081049	Mil1	0.32461	1	0.471559	3.91305	5.16629	No change
NM_026036	Cmtm6	0.32465	1	0.458198	23.3488	30.5411	No change
NM_011203	Ptpn12	0.324686	1	0.53458	9.72972	13.424	No change
NM_001172098	Strn3	0.324911	1	0.446306	24.3177	31.5462	No change
NM_019722	Arl2	0.325031	1	0.621062	17.2428	25.2797	No change
NM_009473	Nr1h2	0.325033	1	0.507921	20.8759	28.2702	No change
NM_178684	Mapk1ip1l	0.325065	1	0.490526	11.2148	15.0037	No change
NM_178668	Pde12	0.325353	1	0.612661	4.52244	6.59118	No change
NR_033514	2310015A10Rik	0.325772	1	0.634245	2.83375	4.19336	No change
NM_145606	Chmp1a	0.325816	1	0.457244	37.2381	48.6763	No change
NM_009671	Ankyf1	0.325853	1	0.476062	7.65113	10.1333	No change

NM_177103	Senp5	0.326198	1	0.497112	7.43802	9.99679	No change
NM_024456	Rab5c	0.326331	1	0.486076	34.4256	45.9134	No change
NM_198024	Ranbp3l	0.326344	1	0.92121	0.86747	1.57803	No change
NM_001172113	Traf7	0.326427	1	0.4913	18.6875	25.0145	No change
NM_023598	Arid5b	0.326643	1	0.521213	8.01763	10.9587	No change
NM_026734	Tmem126b	0.326781	1	0.733375	8.81268	13.9917	No change
NM_007803	Cttn	0.32679	1	0.467929	23.0546	30.3613	No change
NM_130451	Slc2a10	0.32687	1	0.787627	1.72827	2.85276	No change
NM_001111016	Nav2	0.326917	1	0.455328	7.66521	10.0063	No change
NM_177275	Amigo3	0.326947	1	0.718883	3.23388	5.08155	No change
NM_001163102	Eme2	0.327127	1	0.585573	13.1047	18.7383	No change
NM_025356	Ube2d3	0.327198	1	0.436465	44.9984	57.9755	No change
NM_178392	Snopc1	0.327222	1	0.750264	3.27967	5.2703	No change
NM_001048206	Traf3	0.327356	1	0.581187	2.99983	4.27624	No change
NM_029541	Arxes1	0.327378	1	0.818848	3.17588	5.3616	No change
NM_001105557	Zfp938	0.327548	1	0.706312	4.3601	6.79008	No change
NM_023622	Rgl3	0.327548	1	0.706312	3.47098	5.40544	No change
NM_001114347	Clasp2	0.327726	1	0.528152	5.3189	7.30536	No change
NM_025780	Thap2	0.327821	1	0.702484	2.65847	4.12882	No change
NM_001127348	Snx10	0.327914	1	0.665993	4.58208	6.93436	No change
NM_177381	Cog3	0.327978	1	0.462336	18.2899	23.9927	No change
NM_001164729	Tomm6	0.328103	1	0.519441	37.0265	50.546	No change
NM_025302	Mrpl2	0.328128	1	0.698817	9.15925	14.1879	No change
NM_001083317	Slc35a4	0.328329	1	0.58253	7.54264	10.7621	No change
NM_025794	Etfhd	0.328468	1	0.526718	15.1852	20.8354	No change
NM_198006	6330578E17Rik	0.328474	1	0.461596	20.3737	26.7125	No change
NM_009177	St3gal1	0.328547	1	0.605064	2.98822	4.33179	No change
NM_026512	Bphl	0.32868	1	0.633394	11.6443	17.2203	No change
NM_001031808	Mrpl41	0.328967	1	0.511145	17.0277	23.1106	No change
NM_023526	Nkiras1	0.329043	1	0.560514	5.4673	7.68127	No change
NM_026381	Shisa5	0.329096	1	0.593252	12.2829	17.6581	No change
NM_033146	Fam158a	0.329124	1	0.805733	6.66628	11.1477	No change
NM_172738	Zfp954	0.329124	1	0.805733	2.63444	4.40544	No change
NM_133859	Olfml3	0.329159	1	0.549483	16.0181	22.3313	No change
NM_016974	Dbp	0.329216	1	0.777673	3.65493	5.98971	No change
NM_172664	Tlk1	0.329287	1	0.471693	16.9953	22.4402	No change
NM_026815	Upk1a	0.329747	1	0.732765	6.01081	9.53866	No change
NM_001122851	Faim	0.329843	1	0.737988	7.00823	11.163	No change
NM_001163794	Pdik1l	0.329943	1	0.570527	5.13494	7.26513	No change
NM_145563	Zfp932	0.329987	1	0.617093	7.69141	11.2444	No change
NM_009285	Stc1	0.330193	1	0.635552	3.74253	5.54304	No change
NM_173364	Zfp445	0.330232	1	0.432638	21.7108	27.8974	No change
NM_001099675	Tomm5	0.330326	1	0.706197	14.1358	22.0114	No change
NM_001161767	Galnt6	0.33038	1	0.666396	2.0059	3.03644	No change
NM_016979	Prkx	0.330584	1	0.587191	6.30804	9.02989	No change
NM_030707	Fcrls	0.330748	1	0.860098	2.13524	3.71395	No change
NR_033135	A330049M08Rik	0.331061	1	0.761869	3.33692	5.4067	No change
NM_201600	Myo5b	0.331063	1	0.427093	23.0353	29.4854	No change
NM_001164263	9930023K05Rik	0.331071	1	0.794098	2.39615	3.97334	No change
NM_001127189	Gm13157	0.331254	1	0.596248	6.92077	9.97024	No change
NM_025824	Bzw1	0.331274	1	0.4448	38.4258	49.795	No change
NM_001077193	Abi1	0.331495	1	0.492222	16.5534	22.1717	No change
NM_178194	Hist1h2be	0.331506	1	0.502897	18.6608	25.1813	No change
NM_133683	Tmem19	0.331574	1	0.59336	6.4389	9.25719	No change
NM_177692	Bloc1s3	0.331624	1	0.768719	3.53405	5.75424	No change
NM_021522	Usp14	0.331693	1	0.467782	17.952	23.6387	No change
NM_153550	Dirc2	0.332016	1	0.626441	3.3209	4.88696	No change
NM_033478	Ly6g6d	0.332089	1	1.06495	3.34065	6.76378	No change
NM_001164406	Sra1	0.332227	1	0.524139	42.7332	58.5271	No change
NM_018829	Ap3m1	0.332317	1	0.491515	12.3034	16.471	No change
NM_133983	Cd276	0.332317	1	1.04459	0.67833	1.35242	No change
NM_174851	Il28ra	0.332334	1	0.826573	1.23366	2.09413	No change
NM_001038663	Mapk1	0.33247	1	0.528892	18.2529	25.0822	No change
NM_011654	Tuba1b	0.332721	1	0.409714	153.44	194.047	No change
NM_019642	Rpn2	0.332769	1	0.419942	68.5896	87.3598	No change
NM_008753	Oaz1	0.33287	1	0.495323	48.5581	65.1795	No change
NM_029711	Arpc2	0.33289	1	0.496727	32.119	43.1555	No change
NM_001141946	Mkks	0.333073	1	0.647287	4.453	6.65001	No change
NM_001128171	Cyld	0.333574	1	0.496219	6.39016	8.58284	No change
NM_011787	Amfr	0.333823	1	0.419681	52.2223	66.5013	No change
NM_027924	Pdgfd	0.334061	1	0.692123	5.55214	8.55892	No change
NM_027892	Ppp1r12a	0.334112	1	0.521752	11.3868	15.5691	No change
NM_009162	Scg5	0.334126	1	1.01002	1.98798	3.86162	No change
NM_145627	Rbm10	0.334543	1	0.600813	5.44381	7.8675	No change
NM_020619	Mogs	0.334598	1	0.539757	11.6239	16.0947	No change
NM_026218	Fgfr1op2	0.334999	1	0.459085	32.0617	41.9627	No change

NM_130796	Snx18	0.33503	1	0.594905	4.41948	6.36061	No change
NR_033324	BC065397	0.335365	1	0.800697	1.74988	2.91526	No change
NM_029787	Cyb5r3	0.335562	1	0.482885	31.4133	41.8014	No change
NM_001205346	Sun2	0.335709	1	0.476585	18.3808	24.3519	No change
NM_001048061	Hnrnpab	0.335727	1	0.441181	49.6477	64.1746	No change
NM_138753	Hexim1	0.335733	1	0.53631	9.92099	13.7036	No change
NM_183370	Sytl3	0.336016	1	1.1436	0.930858	2.00114	No change
NM_025460	Tmem126a	0.336065	1	0.627778	20.1072	29.6161	No change
NM_001171147	Yap1	0.336475	1	0.474286	17.5361	23.1956	No change
NM_007573	C1qbp	0.336502	1	0.59854	16.5708	23.9098	No change
NM_029362	Chmp4b	0.336511	1	0.526238	23.5637	32.3193	No change
NM_013789	Sergef	0.336933	1	0.92541	2.29127	4.17961	No change
NM_001077364	Tsc22d3	0.33694	1	0.551894	13.5947	18.9838	No change
NM_016742	Cdc37	0.33707	1	0.503007	20.3176	27.4185	No change
NM_145479	Klhl22	0.337134	1	0.63593	5.59034	8.28146	No change
NM_008156	Gpld1	0.337671	1	0.517558	9.06502	12.3581	No change
NM_015786	Hist1h1c	0.337818	1	0.48783	39.3334	52.521	No change
NM_028173	Tram1	0.337977	1	0.403835	113.685	143.184	No change
NM_001163660	Nkd1	0.338068	1	0.654423	3.1586	4.74058	No change
NM_026423	Mri1	0.338599	1	0.675166	5.28616	8.05101	No change
NM_009344	Phlda1	0.338637	1	0.741128	3.96104	6.3226	No change
NM_144787	Kdm4c	0.338799	1	0.582595	5.27158	7.52144	No change
NM_007471	App	0.338822	1	0.442364	41.8336	54.1183	No change
NM_024450	Scd3	0.338842	1	0.660921	3.59511	5.42053	No change
NM_138677	Edem1	0.338844	1	0.511799	7.81636	10.613	No change
NM_001081212	Irs2	0.338852	1	0.695497	2.50144	3.86512	No change
NM_027044	Pfdn5	0.338947	1	0.494535	83.981	112.663	No change
NM_008177	Grpr	0.338983	1	1.79193	0.251599	0.892708	No change
NM_010236	Fpgs	0.339084	1	0.536821	15.3368	21.1915	No change
NM_177390	Myo1d	0.339119	1	0.561807	5.06455	7.12143	No change
NM_172161	Irak2	0.339353	1	0.752257	2.28966	3.68389	No change
NM_029423	Rab11fip1	0.339407	1	0.489466	9.57979	12.8062	No change
NM_031254	Trem2	0.339558	1	1.17799	1.34518	2.9693	No change
NR_038032	9330159K06	0.339558	1	1.17799	0.456789	1.0083	No change
NR_033574	Nutf2-ps1	0.33958	1	0.609511	20.7088	30.1112	No change
NM_026632	Rpa3	0.339668	1	0.864495	6.77267	11.8151	No change
NM_025673	Golph3	0.340072	1	0.460364	36.9843	48.4479	No change
NR_015499	C030034L19Rik	0.340125	1	0.787868	1.95629	3.22888	No change
NM_001135559	Sos2	0.3403	1	0.522756	7.30211	9.99087	No change
NM_019725	Tle2	0.340303	1	0.88523	1.44507	2.5593	No change
NM_028940	Clvs1	0.340373	1	0.830921	1.39231	2.37046	No change
NM_145405	Ubl4	0.340714	1	0.721537	14.2114	22.3688	No change
NR_029440	2010320M18Rik	0.34079	1	0.725929	11.4128	18.02	No change
NM_011967	Psm5	0.341049	1	0.661343	10.3652	15.6324	No change
NM_001167981	Galnt7	0.341267	1	0.553896	6.87294	9.61073	No change
NM_194462	Akap9	0.341754	1	0.432274	14.2149	18.2606	No change
NM_001163215	Fgfr3	0.341762	1	0.689357	2.49548	3.839	No change
NM_001193660	Cldn12	0.341936	1	0.554782	7.93147	11.0978	No change
NM_009557	Zfp46	0.342538	1	0.615356	3.81756	5.57359	No change
NM_011610	Tnfrsf1b	0.342539	1	0.605243	3.90099	5.65502	No change
NM_177910	Gmpgb	0.342678	1	0.569775	14.5307	20.5461	No change
NM_029929	Vps33a	0.342748	1	0.535759	8.86631	12.2417	No change
NR_015606	9530009M10Rik	0.343251	1	0.717056	3.07957	4.83162	No change
NM_010347	Aes	0.343311	1	0.520238	32.3888	44.2365	No change
NM_177262	Pkn1	0.343815	1	0.569139	7.68732	10.8648	No change
NM_145539	Tm4sf4	0.344241	1	0.814295	3.9383	6.62449	No change
NM_144839	Ube2e2	0.344293	1	0.616025	12.985	18.9666	No change
NM_146025	Samd14	0.344444	1	0.902351	1.13424	2.03386	No change
NM_015791	Fbxo8	0.344597	1	0.623671	4.78188	7.02237	No change
NM_033560	Vps37a	0.344683	1	0.488985	10.401	13.899	No change
NM_025349	Lsm7	0.344831	1	0.750348	16.2319	26.0779	No change
NM_145483	Zfp160	0.344841	1	0.615049	4.75638	6.94263	No change
NM_001159697	Ccdc48	0.344984	1	0.938283	1.18982	2.1905	No change
NM_145491	Rhoq	0.34513	1	0.503129	13.357	18.0261	No change
NM_177813	Gm5087	0.34535	1	1.04674	1.16094	2.31704	No change
NM_025785	Fbxo25	0.345436	1	0.676007	5.86559	8.93812	No change
NM_010388	H2-DMb2	0.345728	1	0.712892	11.9702	18.7241	No change
NM_172767	Vwa5a	0.34585	1	0.606624	4.67749	6.78707	No change
NM_153163	Cadps2	0.346042	1	0.588494	4.73556	6.78434	No change
NM_013454	Abca1	0.346168	1	0.409011	35.091	44.3551	No change
NM_175438	Aldh4a1	0.346449	1	0.584047	7.042	10.0572	No change
NM_080555	Ppap2b	0.346491	1	0.539926	11.4612	15.8703	No change
NM_178704	Dpy19l3	0.346666	1	0.628428	2.1532	3.17262	No change
NM_020270	Scamp5	0.346734	1	0.666756	3.95312	5.98446	No change
NM_007875	Dpagt1	0.347032	1	0.744098	4.1706	6.67034	No change
NM_026038	2810055F11Rik	0.347359	1	0.998378	1.55327	2.98954	No change

NM_001032378	Pecam1	0.34744	1	0.662554	4.01249	6.05626	No change
NM_026532	Nutf2	0.347503	1	0.589193	11.5978	16.6234	No change
NM_134077	Rbm26	0.34766	1	0.443056	37.6053	48.671	No change
NM_134015	Fbxw11	0.347835	1	0.528892	10.3403	14.2081	No change
NM_010926	Cox4nb	0.347939	1	0.558236	6.17389	8.65916	No change
NM_001160356	Al462493	0.347981	1	0.630253	19.7925	29.2002	No change
NR_028066	Gm4926	0.348518	1	0.669291	7.74366	11.7436	No change
NM_172695	Plaa	0.348526	1	0.485824	10.7684	14.3582	No change
NM_016788	Tnk2	0.348552	1	0.65671	3.06686	4.60984	No change
NM_016928	Tlr5	0.348606	1	0.985121	0.871434	1.66069	No change
NM_010885	Ndufa2	0.348762	1	0.496652	119.097	160.003	No change
NM_001170866	Ncald	0.348838	1	0.667108	3.60481	5.45839	No change
NM_009697	Nr2f2	0.348842	1	0.633373	3.8351	5.6704	No change
NM_001080808	Ccdc64	0.349091	1	0.684171	6.16818	9.45332	No change
NM_138603	Ccdc22	0.349219	1	0.738346	3.67618	5.85529	No change
NM_146136	Slc16a4	0.349219	1	0.738346	3.7939	6.04279	No change
NM_001085546	LOC664987	0.349471	1	1.57329	1.2266	3.6757	No change
NM_144910	Cnot6l	0.349489	1	0.541067	17.5892	24.3747	No change
NR_027937	Sgsm1	0.350043	1	0.972992	1.26386	2.38683	No change
NM_177662	Ctso	0.350077	1	0.603439	5.97426	8.64901	No change
NM_177224	Chd9	0.350085	1	0.49569	5.64587	7.57991	No change
NM_001145799	Ctla2a	0.350641	1	0.846751	3.65431	6.29179	No change
NM_152799	Pear1	0.350703	1	0.639924	3.49557	5.19223	No change
NM_178699	B930041F14Rik	0.350902	1	0.724288	4.22973	6.66966	No change
NM_133708	Gmppa	0.350906	1	0.655316	9.16772	13.7662	No change
NM_001145857	Lrp4	0.35094	1	0.689829	3.43526	5.2859	No change
NM_031999	Gpr137b	0.351232	1	0.759847	2.5024	4.04728	No change
NM_007624	Cbx3	0.351474	1	0.500025	34.5952	46.5865	No change
NM_010162	Ext1	0.351505	1	0.581573	7.28736	10.3892	No change
NM_053147	Pcdhb22	0.351522	1	0.818399	1.81788	3.06639	No change
NM_145582	Ctu1	0.351522	1	0.818399	2.26736	3.82457	No change
NM_001168667	Fam114a2	0.351708	1	0.513062	20.3395	27.6397	No change
NM_001159637	Nadk	0.351787	1	0.49812	21.181	28.4847	No change
NM_024209	Ppp6c	0.351848	1	0.50576	37.2173	50.3182	No change
NM_028194	Fryl	0.351873	1	0.455583	11.338	14.8026	No change
NM_001009575	Armcx5	0.351907	1	0.676791	4.31879	6.58423	No change
NM_001024458	Add1	0.35195	1	0.493716	17.5255	23.4966	No change
NM_007610	Casp2	0.351981	1	0.630201	4.89038	7.21434	No change
NM_007462	Apc	0.352007	1	0.475809	7.27776	9.63633	No change
NM_016686	Vezf1	0.352029	1	0.538504	8.63261	11.9413	No change
NM_013635	Sypl	0.352337	1	0.483169	17.6397	23.4764	No change
NM_001077638	Prmt2	0.352536	1	0.62393	8.69464	12.7698	No change
NM_198001	1110008P14Rik	0.352555	1	0.572627	42.1128	59.6619	No change
NM_144521	Snap47	0.352723	1	0.536348	21.9284	30.2874	No change
NM_001045559	Zfp952	0.352816	1	0.701999	3.47538	5.39387	No change
NM_001033225	Pnrc1	0.353202	1	0.541276	19.9123	27.5976	No change
NM_008898	Por	0.353419	1	0.684519	4.76533	7.30474	No change
NM_008248	Hint1	0.353545	1	0.515797	90.262	122.892	No change
NM_001171002	Degs2	0.353591	1	0.795885	1.96935	3.26835	No change
NM_008739	Nsd1	0.353616	1	0.434658	16.7854	21.5979	No change
NM_028261	Tmem173	0.353813	1	0.7325	3.81464	6.05015	No change
NM_009316	Map3k7	0.353841	1	0.508248	9.99069	13.5309	No change
NM_019773	Rab9	0.354169	1	0.635053	11.4551	16.9562	No change
NM_001038492	Ctsa	0.354267	1	0.559022	9.05792	12.7107	No change
NM_010186	Fcgr1	0.354613	1	1.17526	0.592215	1.30327	No change
NM_025669	Sfrs18	0.354648	1	0.466472	24.519	32.2546	No change
NM_001110145	Ssb	0.354769	1	0.52266	23.5015	32.1509	No change
NM_025546	Rsl1d1	0.354813	1	0.510208	30.8862	41.8878	No change
NM_016851	Irf6	0.35486	1	0.540297	9.56503	13.2476	No change
NM_134099	Fbxo4	0.355111	1	0.69579	3.19544	4.93745	No change
NM_008125	Gjb2	0.355125	1	0.942088	1.39154	2.56823	No change
NM_001159410	Guk1	0.355438	1	0.513286	58.8104	79.9298	No change
NM_175121	Slc38a2	0.356142	1	0.516156	11.5502	15.7295	No change
NM_013565	Itga3	0.356562	1	0.568693	6.14642	8.68356	No change
NM_001128096	Atp13a3	0.356615	1	0.492058	10.298	13.7905	No change
NM_001205286	Tmem39a	0.35666	1	0.608156	7.98926	11.604	No change
NM_021534	Pxmp4	0.356725	1	0.812988	3.98788	6.69984	No change
NM_013898	Timm8a1	0.357002	1	0.763523	6.3625	10.3165	No change
NM_153088	Ctdsp1	0.357105	1	0.607394	7.60697	11.0428	No change
NM_001177995	Prdm16	0.357322	1	0.708467	1.22312	1.90693	No change
NM_145406	Slc10a3	0.357481	1	0.643404	8.27784	12.3251	No change
NM_177184	Vps13c	0.357865	1	0.579646	2.35878	3.3581	No change
NM_001080948	Larp4	0.357968	1	0.470427	16.8419	22.2163	No change
NM_001166399	Rab3a	0.358036	1	0.751285	5.57159	8.95532	No change
NM_015737	Galnt4	0.358128	1	0.608773	4.11642	5.98141	No change
NM_001109971	Sec61g	0.358198	1	0.727246	11.8988	18.8002	No change

NM_009748	Bet1	0.358331	1	0.537792	28.7614	39.7642	No change
NM_019712	Rbx1	0.358339	1	0.565139	18.9919	26.7644	No change
NM_001164678	Pdcd6ip	0.358534	1	0.491672	13.0733	17.5021	No change
NM_026528	2700060E02Rik	0.358882	1	0.503761	43.385	58.5738	No change
NM_007743	Col1a2	0.358939	1	0.614028	3.94335	5.75109	No change
NM_026048	Cinp	0.359053	1	0.666729	6.73229	10.1901	No change
NM_178925	Nsun3	0.359242	1	0.810463	4.45952	7.47823	No change
NM_007393	Actb	0.359684	1	0.397901	517.587	649.197	No change
NM_001079513	Zbtb33	0.359899	1	0.641102	3.33816	4.96211	No change
NR_027851	2900005J15Rik	0.359908	1	0.782882	3.3938	5.57943	No change
NM_001166552	Zbed6	0.360042	1	0.49523	15.0744	20.2311	No change
NM_010163	Ext2	0.360195	1	0.58272	9.39435	13.403	No change
NM_011561	Tdg	0.360241	1	0.639757	5.36271	7.96399	No change
NM_010496	Id2	0.360255	1	0.627881	14.4098	21.2212	No change
NM_001164037	Ly6e	0.360298	1	0.451062	78.9789	102.787	No change
NM_001004143	Usp22	0.360537	1	0.502257	15.4228	20.8003	No change
NM_028839	Tmem110	0.360611	1	0.64581	4.28822	6.3955	No change
NM_026526	N6amt2	0.361065	1	0.75572	9.58695	15.4574	No change
NM_172707	Ppp1cb	0.361177	1	0.486081	22.0475	29.4015	No change
NM_027196	Pold4	0.361245	1	0.774649	7.93874	12.9743	No change
NM_028064	Slc39a4	0.361245	1	0.774649	3.25609	5.32143	No change
NM_001159620	Pigp	0.361547	1	0.70497	12.7688	19.8571	No change
NM_011792	Bace1	0.361677	1	0.590787	6.0487	8.67859	No change
NM_145133	Tifa	0.361703	1	0.808046	2.8699	4.80398	No change
NM_022721	Fzd5	0.36177	1	0.711585	1.50192	2.34665	No change
NM_178612	Cnpy4	0.361817	1	0.761281	4.38271	7.09445	No change
NM_025886	Rassf7	0.361851	1	0.659542	9.59706	14.4523	No change
NM_010603	Kcnj12	0.36199	1	0.965332	1.27332	2.39012	No change
NM_001163144	Pcsk5	0.362354	1	0.656084	2.60309	3.91045	No change
NM_028447	Prrc1	0.362511	1	0.577369	6.0388	8.58322	No change
NM_008060	Ganab	0.36267	1	0.492745	21.2361	28.4511	No change
NM_145587	Sbk1	0.362739	1	0.574199	7.32355	10.3862	No change
NM_001177710	Arfgap1	0.363345	1	0.56035	14.4733	20.3278	No change
NM_011765	Zfp97	0.36338	1	0.628966	6.73471	9.9255	No change
NM_027085	Clic3	0.363394	1	0.955157	4.09958	7.63734	No change
NM_017393	Clpp	0.363464	1	0.695935	9.58494	14.8102	No change
NM_013807	Plk3	0.363516	1	0.816873	2.5027	4.21586	No change
NM_025327	Krtcap2	0.363545	1	0.701801	21.6102	33.5303	No change
NM_009560	Zfp60	0.363568	1	0.599884	5.85785	8.45849	No change
NM_025882	Pole4	0.36375	1	0.588393	15.5925	22.334	No change
NM_008732	Slc11a2	0.363839	1	0.541038	14.2936	19.806	No change
NM_013543	H2-Ke6	0.363867	1	0.658175	15.5435	23.3842	No change
NR_028518	Scarna3a	0.3643	1	1.50088	7.08742	20.0771	No change
NM_146035	Mgat2	0.364509	1	0.520795	21.3927	29.2268	No change
NM_172672	Ganc	0.364608	1	0.667687	2.93047	4.43837	No change
NM_009520	Wnt2b	0.364811	1	0.903637	1.13132	2.02936	No change
NM_028747	0610012H03Rik	0.3649	1	0.945732	2.13702	3.95345	No change
NM_030138	Acap2	0.364938	1	0.522071	8.52244	11.6537	No change
NM_013720	Mga	0.364966	1	0.453414	12.852	16.7535	No change
NM_009455	Ube2e1	0.365392	1	0.602309	17.0461	24.6555	No change
NM_025593	Poir2l	0.365408	1	0.5926	15.4317	22.1688	No change
NM_010756	Mafg	0.365439	1	0.693215	7.29345	11.2475	No change
NM_001159404	Llgl1	0.365462	1	0.639924	3.9217	5.8244	No change
NM_198096	Arap1	0.365465	1	0.68797	3.35847	5.16004	No change
NM_011439	Sox13	0.365587	1	0.627382	5.4278	7.99033	No change
NM_025304	Lcmt1	0.3658	1	0.707977	7.94164	12.3759	No change
NM_008224	Hcfc1	0.365922	1	0.497817	9.79129	13.1642	No change
NM_146191	Lrrk1	0.366568	1	0.666081	1.9354	2.92789	No change
NM_019827	Gsk3b	0.367198	1	0.498226	9.67538	13.012	No change
NM_001163256	Fblim1	0.367222	1	0.747983	2.84648	4.56379	No change
NM_009642	Agtrap	0.367266	1	0.526104	13.4231	18.4066	No change
NM_023871	Set	0.367327	1	0.506172	26.593	35.9624	No change
NM_001205095	Gm4944	0.367576	1	0.617471	4.32725	6.32584	No change
NM_020584	Terf2ip	0.367678	1	0.676449	3.75672	5.72493	No change
NM_016666	Aip	0.367741	1	0.65562	11.6414	17.4814	No change
NM_199022	Shc4	0.367911	1	0.552822	8.19832	11.4538	No change
NM_001142948	Pogk	0.368105	1	0.512404	9.35908	12.7116	No change
NM_144859	Pja2	0.368182	1	0.460938	35.9258	47.0771	No change
NM_175471	Cyb5rl	0.368204	1	0.811826	3.86459	6.48579	No change
NR_028432	2210013O21Rik	0.368204	1	0.811826	7.24611	12.1609	No change
NM_001190343	Ccm2	0.368208	1	0.784906	4.17912	6.87944	No change
NM_007483	Rhob	0.368393	1	0.60862	10.2959	14.9578	No change
NM_009444	Tgoln2	0.368413	1	0.480899	49.0282	65.1448	No change
NM_139294	Braf	0.368481	1	0.467186	14.7095	19.3593	No change
NM_001145896	Gse1	0.36861	1	0.614999	3.31012	4.83051	No change
NM_009149	Glg1	0.368652	1	0.50021	20.5657	27.6961	No change

NM_153794	4933403F05Rik	0.368967	1	0.524864	5.81918	7.97264	No change
NM_023750	Zfp84	0.369156	1	0.638381	3.16065	4.68885	No change
NM_001083916	1810019J16Rik	0.36928	1	0.77682	4.15208	6.79536	No change
NM_013843	Zfp53	0.369501	1	0.763668	2.60302	4.22026	No change
NM_011715	Wdr1	0.369545	1	0.461431	57.4882	75.3581	No change
NM_183094	Xlr4c	0.369651	1	0.70467	9.28859	14.4404	No change
NM_001042650	Dcun1d2	0.369783	1	0.670528	5.00597	7.59666	No change
NM_134022	6330403K07Rik	0.37017	1	0.991371	1.83173	3.50419	No change
NM_010851	Myd88	0.370636	1	0.579518	16.0971	22.9128	No change
NM_198090	Hnrnpa3	0.370909	1	0.519177	23.7451	32.4032	No change
NM_001033496	Zfp213	0.371171	1	0.693404	4.61318	7.11466	No change
NM_023175	Nit2	0.371518	1	0.728771	7.69549	12.1699	No change
NM_024288	Rmnd5a	0.371581	1	0.498196	13.9499	18.76	No change
NM_018766	Ntsr1	0.371622	1	0.66888	3.73736	5.66481	No change
NR_037190	Gm9855	0.371628	1	0.65178	5.72357	8.57132	No change
NM_009434	Phlda2	0.371991	1	1.0904	2.83689	5.84458	No change
NM_134249	Timd2	0.371991	1	1.0904	0.688892	1.41926	No change
NM_176846	Exph5	0.37208	1	0.594481	2.80195	4.03034	No change
NM_021559	Zfp191	0.372137	1	0.545494	14.4154	20.0363	No change
NM_153796	Peo1	0.372318	1	0.659998	4.49567	6.77157	No change
NM_028814	2810403A07Rik	0.372447	1	0.54215	15.7094	21.7839	No change
NM_010560	Il6st	0.372549	1	0.50292	14.8539	20.0414	No change
NM_001193303	Lims1	0.372636	1	0.533163	11.8102	16.2745	No change
NM_001012402	Hs3st6	0.372641	1	0.843497	4.45578	7.64986	No change
NM_001037279	2700094K13Rik	0.372669	1	0.781779	11.2958	18.5515	No change
NM_025705	Dcbl1	0.3727	1	0.807193	2.14263	3.58362	No change
NM_009639	Crisp3	0.372914	1	0.589193	20.5511	29.4514	No change
NM_001001152	Zfp458	0.373013	1	0.619615	6.21402	9.09737	No change
NM_008184	Gstm6	0.373176	1	0.478474	108.714	144.205	No change
NM_001024145	Pla2g4f	0.373212	1	0.671072	4.66106	7.07572	No change
NM_018824	Slc23a2	0.373615	1	0.617955	3.47151	5.07636	No change
NM_008278	Hpgd	0.373625	1	0.745768	5.27055	8.43617	No change
NM_015740	Bloc1s1	0.373891	1	0.594054	49.9255	71.791	No change
NM_028984	8430406I07Rik	0.373988	1	0.732292	3.63011	5.75495	No change
NM_010902	Nfe2l2	0.374293	1	0.537199	20.747	28.6699	No change
NM_175313	A130022J15Rik	0.374311	1	0.750479	2.76162	4.43514	No change
NM_008163	Grb2	0.374665	1	0.681628	5.23365	8.00428	No change
NM_009029	Rb1	0.374724	1	0.528457	12.4769	17.1367	No change
NM_177993	Hbp1	0.374748	1	0.517944	21.9264	29.8952	No change
NR_029425	Rbmx	0.374841	1	0.59715	11.3222	16.3161	No change
NM_172262	Kdm1b	0.375165	1	0.665802	3.58151	5.41674	No change
NM_001081035	Nav3	0.375311	1	0.648328	2.24787	3.35799	No change
NM_001113470	Ctdsp2	0.37556	1	0.531581	11.6034	15.9717	No change
NM_199079	Ddx17	0.375673	1	0.451683	86.023	112	No change
NM_198862	Nlgn2	0.375921	1	0.760546	1.68589	2.72697	No change
NM_145417	Rnpep	0.376048	1	0.542698	21.232	29.4527	No change
NM_178413	Thns12	0.376382	1	0.681801	7.45903	11.4089	No change
NM_144520	Sec14l2	0.376391	1	0.627945	8.21539	12.0977	No change
NM_026393	Nmral1	0.376737	1	0.870998	4.20199	7.35842	No change
NM_080837	D17Wsu104e	0.376874	1	0.546341	51.6781	71.8696	No change
NM_027877	Mus81	0.377191	1	0.567616	18.6034	26.2597	No change
NM_080638	Mvp	0.377867	1	0.558244	14.757	20.6942	No change
NM_027472	5730455P16Rik	0.378121	1	0.601433	5.8692	8.48324	No change
NM_025668	Spcs2	0.378252	1	0.479383	48.228	64.0126	No change
NM_172689	Ddx58	0.378596	1	0.571267	7.31755	10.3554	No change
NM_010415	Hbegf	0.378703	1	0.88964	1.90739	3.38551	No change
NM_022027	Syne1	0.379035	1	0.545148	10.1873	14.1558	No change
NM_011809	Ets2	0.379279	1	0.653699	4.86047	7.28812	No change
NM_001081267	Rsf1	0.379314	1	0.535151	5.03487	6.94751	No change
NM_153420	Acpl2	0.379868	1	0.668444	4.98126	7.54726	No change
NM_001163722	1190007F08Rik	0.380153	1	0.541325	15.5195	21.5074	No change
NM_009994	Cyp1b1	0.380414	1	0.542421	10.0843	13.9858	No change
NM_178589	Tnfrsf21	0.380623	1	0.655514	4.74742	7.12762	No change
NM_053261	Impa2	0.380853	1	0.98261	2.26276	4.29917	No change
NM_027320	Ifi35	0.380914	1	0.763797	6.25187	10.1352	No change
NM_023718	Slco1a6	0.380918	1	1.05245	0.869919	1.74101	No change
NM_011663	Zrsr1	0.380957	1	0.59877	9.72797	14.0341	No change
NM_025577	2810428I15Rik	0.380957	1	0.738895	14.9569	23.8211	No change
NM_001167889	Suv420h1	0.380994	1	0.632779	6.29143	9.29573	No change
NM_007505	Atp5a1	0.381242	1	0.463699	84.4858	110.92	No change
NM_001195579	Gm15070	0.381422	1	0.563791	11.3073	15.9179	No change
NM_001162939	Aen	0.381469	1	0.647287	7.48931	11.1791	No change
NM_001037502	Defb28	0.381507	1	0.637417	50.3826	74.6843	No change
NR_015497	9330133O14Rik	0.38179	1	1.25136	0.669109	1.55988	No change
NM_052993	C1galt1	0.381867	1	0.611188	12.1836	17.7305	No change
NM_025624	Pomp	0.382074	1	0.627967	29.6242	43.6223	No change

NM_011125	Pltp	0.382156	1	0.574545	20.0666	28.462	No change
NM_026147	Rps20	0.382342	1	0.473239	335.553	443.474	No change
NM_024180	Ormdl2	0.382626	1	0.54674	24.4858	34.0614	No change
NM_178744	Zbtb1	0.38271	1	0.593532	7.51642	10.8038	No change
NM_001163024	Mon2	0.38273	1	0.482051	15.1226	20.1092	No change
NM_053163	Mrpl36	0.382998	1	0.667247	17.7709	26.9017	No change
NM_001199276	Trnp1	0.383525	1	0.656211	6.56149	9.85577	No change
NM_030256	Bcl9l	0.383525	1	0.656211	3.28321	4.93159	No change
NM_145823	Pitpnc1	0.383608	1	0.617577	3.79744	5.55108	No change
NM_009941	Cox4i1	0.383743	1	0.487491	189.474	252.907	No change
NM_013546	Hebp1	0.383901	1	0.76808	7.94802	12.9237	No change
NM_001081040	Coq10a	0.384007	1	0.701443	5.05948	7.84632	No change
NM_027294	Cmtm8	0.384083	1	0.874667	4.65056	8.1642	No change
NM_007478	Arf3	0.384401	1	0.490418	35.357	47.2901	No change
NM_010617	Kif13a	0.3845	1	0.576287	5.30945	7.53988	No change
NM_028274	Exosc6	0.384585	1	0.664199	13.1538	19.8692	No change
NM_019634	Tspan7	0.384766	1	0.898842	2.51429	4.49199	No change
NM_178005	Lrrtm2	0.384774	1	0.814295	1.16831	1.96358	No change
NM_011794	Bpnt1	0.384979	1	0.627087	10.2847	15.1347	No change
NM_018788	Extl3	0.385005	1	0.606699	4.51174	6.54501	No change
NM_010546	Ikbb	0.385502	1	0.547173	11.4362	15.9131	No change
NM_008720	Npc1	0.385596	1	0.624512	4.42856	6.50515	No change
NM_001159572	4632428N05Rik	0.385945	1	0.733431	2.15857	3.42426	No change
NM_198619	Zfp933	0.386188	1	0.601276	6.76089	9.77047	No change
NM_011680	Usf2	0.386193	1	0.62754	9.33465	13.7409	No change
NM_026660	Mfsd10	0.386266	1	0.85082	3.05169	5.26546	No change
NM_080643	Caskin2	0.386822	1	0.585647	7.15821	10.232	No change
NM_010395	H2-T10	0.38696	1	0.928299	2.42966	4.43479	No change
NM_152822	Las1l	0.386976	1	0.592884	12.0984	17.3813	No change
NM_021897	Trp53inp1	0.386987	1	0.521862	13.9463	19.0661	No change
NM_021281	Ctss	0.387046	1	0.637001	15.4816	22.9413	No change
NM_001018042	Sp3	0.387057	1	0.522173	17.9449	24.5379	No change
NM_001159633	Slc44a1	0.387106	1	0.793596	3.84786	6.37154	No change
NM_153780	2610044O15Rik	0.387186	1	0.741301	6.90694	11.0182	No change
NM_138950	Wdr81	0.387391	1	0.627987	3.28845	4.84218	No change
NM_028343	Tmem135	0.387446	1	0.601253	7.86947	11.3722	No change
NM_028807	1200009I06Rik	0.387628	1	0.865927	1.78822	3.11921	No change
NM_001164793	Grinl1a	0.387711	1	0.534013	29.2954	40.3907	No change
NM_009238	Sox4	0.387734	1	0.732984	3.58731	5.68882	No change
NM_016904	Cks1b	0.387892	1	0.745467	12.9811	20.7691	No change
NM_144902	Slc35a3	0.387926	1	0.536624	15.2816	21.1077	No change
NM_001077687	Lrba	0.388585	1	0.524475	8.38115	11.4788	No change
NM_020569	Park7	0.388597	1	0.536546	68.844	95.0853	No change
NM_016900	Cav2	0.388614	1	0.645537	8.00356	11.9313	No change
NM_025936	Rars	0.388723	1	0.555515	22.7949	31.9034	No change
NM_139311	Mllt6	0.388869	1	0.571031	5.56892	7.87914	No change
NM_028932	Eaf1	0.388903	1	0.591743	7.64682	10.977	No change
NM_008776	Pafah1b3	0.388965	1	0.661948	20.0267	30.2017	No change
NM_145684	Alox12e	0.38911	1	1.30148	0.513114	1.24367	No change
NM_022325	Ctsz	0.389117	1	0.657541	12.958	19.481	No change
NM_172372	Wdr45	0.389498	1	0.754312	6.00035	9.66065	No change
NM_145985	Arcn1	0.389532	1	0.476978	52.643	69.7541	No change
NM_009381	Thrsp	0.389897	1	1.13939	1.81282	3.87312	No change
NM_172516	Dstyk	0.390133	1	0.571062	6.429	9.09615	No change
NM_144534	Tmem38a	0.390363	1	0.985531	1.52952	2.91137	No change
NM_025287	Spop	0.390962	1	0.572614	14.1224	20.0028	No change
NM_023627	Isyna1	0.391151	1	0.479563	96.6904	128.349	No change
NM_030210	Aacs	0.391185	1	0.617498	8.12682	11.8784	No change
NM_001109988	D0H4S114	0.391234	1	0.878227	2.29652	4.04132	No change
NR_029443	4933407K13Rik	0.391339	1	0.621561	7.36978	10.8027	No change
NM_172529	Gnptg	0.39146	1	0.633333	18.1857	26.878	No change
NM_001195390	Commd7	0.391903	1	0.655425	5.70176	8.55902	No change
NR_002866	Dio3os	0.391937	1	1.83632	0.490412	1.79618	No change
NM_001102436	Acbd5	0.392037	1	0.547012	15.7115	21.859	No change
NM_009433	Tspyl1	0.392195	1	0.572623	15.3035	21.6758	No change
NM_026158	Isoc2b	0.392225	1	0.748399	9.29239	14.8975	No change
NR_028546	Snora7a	0.392238	1	0.95579	28.0933	52.3128	No change
NM_031406	Slc12a9	0.392346	1	0.805733	2.16542	3.61662	No change
NM_016792	Txn1	0.392414	1	0.543616	23.2128	32.2189	No change
NM_011609	Tnfrsf1a	0.392796	1	0.691831	6.66206	10.2606	No change
NM_011639	Trip6	0.393017	1	0.721272	6.69211	10.5239	No change
NM_172711	Guf1	0.393069	1	0.667453	4.32734	6.55106	No change
NM_175669	Gpr82	0.393185	1	0.762948	3.6563	5.92268	No change
NM_001081034	Fbxo11	0.393449	1	0.588242	8.77023	12.5585	No change
NM_133933	Rpn1	0.393527	1	0.476425	55.5706	73.6045	No change
NM_033218	Srebfl2	0.393547	1	0.598377	6.93879	10.0068	No change

NM_001110009	Apoc1	0.393682	1	0.621693	58.9959	86.4831	No change
NM_024189	Yaf2	0.393695	1	0.701281	6.01443	9.32516	No change
NM_138601	D10Jhu81e	0.393843	1	0.600199	22.9071	33.0776	No change
NM_153403	Eif2c1	0.394105	1	0.587226	5.07109	7.25634	No change
NM_008669	Naga	0.394144	1	0.585476	19.09	27.2828	No change
NM_029930	Fam115a	0.394191	1	0.717926	3.24413	5.08952	No change
NM_008405	Itgb2l	0.394257	1	0.813195	2.66207	4.4698	No change
NM_007405	Adcy6	0.394631	1	0.543589	10.1628	14.1054	No change
NM_028148	Scaf11	0.394979	1	0.508502	13.8141	18.7099	No change
NM_026821	D4Bwg0951e	0.395208	1	1.09183	1.31264	2.70431	No change
NM_053109	Clec2d	0.395223	1	0.701256	11.2519	17.4451	No change
NM_029394	Snx24	0.395283	1	0.891462	2.55516	4.53939	No change
NM_021548	Arpp19	0.395674	1	0.571604	10.7685	15.2413	No change
NM_134160	Mcoln3	0.395764	1	1.2451	0.81417	1.88703	No change
NM_177355	Plcx3	0.395764	1	1.2451	0.737491	1.70931	No change
NM_133781	Cab39	0.395948	1	0.495407	36.7539	49.328	No change
NM_009304	Syng2	0.396273	1	0.620391	17.2403	25.2493	No change
NM_011828	Hs2st1	0.396571	1	0.607426	6.20008	8.99812	No change
NM_178789	Tmem117	0.396739	1	0.886444	1.77929	3.14941	No change
NM_029832	Ddrk1	0.396819	1	0.584813	34.3717	49.0995	No change
NM_199016	Enpp4	0.396854	1	0.583195	8.45736	12.0676	No change
NM_033565	Aff4	0.396879	1	0.474491	22.7351	30.0724	No change
NM_021280	Plcg1	0.397058	1	0.551179	12.8543	17.9356	No change
NM_133969	Cyp4v3	0.397145	1	0.772066	3.02082	4.92491	No change
NM_001039959	Ahnak	0.397393	1	0.755663	9.32793	15.0308	No change
NM_025827	Lonp2	0.397505	1	0.561581	17.4901	24.5818	No change
NM_008416	Junb	0.397507	1	0.738097	5.90875	9.40306	No change
NM_025960	Trappc6a	0.397507	1	0.738097	14.1564	22.5282	No change
NM_053267	Selm	0.397976	1	1.11385	2.39769	5.02207	No change
NM_030207	Sfi1	0.39819	1	0.553207	13.9905	19.5485	No change
NM_030704	Hspb8	0.39836	1	0.760218	5.26928	8.51824	No change
NM_198113	Ssh3	0.398517	1	0.626061	9.32475	13.7108	No change
NM_001083587	Tns3	0.398578	1	0.553029	7.58119	10.5916	No change
NM_145853	Tpcn1	0.39878	1	0.624545	5.56284	8.1707	No change
NM_027758	Tbc1d9	0.398813	1	0.563191	9.69123	13.636	No change
NM_144925	Tnrc6a	0.398957	1	0.539847	8.07975	11.1848	No change
NM_144905	6330416G13Rik	0.399013	1	0.680281	4.4926	6.86266	No change
NM_019786	Tbk1	0.399026	1	0.581672	13.2529	18.8899	No change
NM_021365	Xlr4b	0.399531	1	0.988324	2.54314	4.84923	No change
NM_029837	Mppd2	0.399531	1	0.988324	1.37919	2.62982	No change
NM_178641	Inpp5f	0.399687	1	0.668682	3.77871	5.7251	No change
NM_011504	Stxbp3a	0.39969	1	0.633423	9.99338	14.77	No change
NM_007836	Gadd45a	0.399827	1	0.905747	3.75795	6.74507	No change
NM_026829	Mthfs	0.399827	1	0.905747	5.98924	10.75	No change
NM_023142	Arpc1b	0.399956	1	0.614104	18.6028	27.1241	No change
NM_010437	Hivep2	0.400024	1	0.575162	4.48067	6.35741	No change
NM_001163502	C130039O16Rik	0.400059	1	0.692154	2.07322	3.19357	No change
NM_001163746	Pgm3	0.400377	1	0.570343	10.4407	14.7639	No change
NM_177783	Ubr3	0.400449	1	0.545544	7.98637	11.0995	No change
NM_008349	Ii10rb	0.400545	1	0.696536	7.91109	12.2239	No change
NM_015733	Casp9	0.400738	1	0.652594	5.27706	7.90511	No change
NM_010700	Ldlr	0.40079	1	0.650237	4.6462	6.94854	No change
NM_013840	Uxt	0.400906	1	1.03985	3.26293	6.46377	No change
NR_028515	Snora78	0.400906	1	1.03985	17.3123	34.2951	No change
NM_001033430	Jhdm1d	0.401109	1	0.49232	17.4068	23.3116	No change
NM_025873	Trit1	0.401409	1	0.78171	4.1633	6.83391	No change
NM_011454	Serpib6b	0.401448	1	0.814295	3.86142	6.48783	No change
NM_177352	Gk5	0.401448	1	0.814295	2.61412	4.39216	No change
NM_175560	Zfp747	0.401617	1	0.733169	4.2844	6.79393	No change
NM_175318	Spty2d1	0.401967	1	0.547103	12.3223	17.1441	No change
NM_007615	Ctnd1	0.402012	1	0.481438	40.2119	53.4466	No change
NM_001045518	Fam83b	0.402096	1	1.05575	0.82227	1.64826	No change
NM_144515	Zfp52	0.402285	1	0.73667	3.56835	5.67249	No change
NM_001081113	Ipo8	0.402295	1	0.58947	7.11365	10.1946	No change
NM_153160	Zcchc17	0.40266	1	0.620815	19.6582	28.7978	No change
NM_172274	Cc2d2a	0.402759	1	0.795033	1.47085	2.43739	No change
NM_025987	Ndufa6	0.402805	1	0.542989	123.456	171.273	No change
NM_201359	Tmem106c	0.402824	1	0.692274	9.74107	15.0059	No change
NM_028211	2210016L21Rik	0.403057	1	0.780431	6.59971	10.823	No change
NM_027107	2310004N24Rik	0.403272	1	0.757711	11.0489	17.8284	No change
NM_178651	Slc30a9	0.403343	1	0.560822	15.9573	22.4149	No change
NM_021525	Rcl1	0.40368	1	0.889815	2.78308	4.93737	No change
NM_024197	Ndufa10	0.403798	1	0.570093	40.2363	56.8865	No change
NM_178870	Hs3st3a1	0.403802	1	0.767859	2.39221	3.88799	No change
NM_001114174	Fam189a2	0.404019	1	0.593848	14.5239	20.878	No change
NM_001113331	Shc1	0.404157	1	0.589646	10.9226	15.655	No change

NM_010489	Hyal2	0.404259	1	0.703479	7.72691	11.9975	No change
NM_172779	Ddx26b	0.404458	1	0.682698	4.37411	6.6927	No change
NM_031380	Fstl3	0.404466	1	0.80147	3.99673	6.65344	No change
NM_008885	Pmp22	0.404467	1	0.665203	10.6029	16.0244	No change
NM_001012518	Ehmt1	0.404593	1	0.587086	7.89753	11.299	No change
NM_153571	Hscb	0.405188	1	0.819672	8.84164	14.9118	No change
NM_008740	Nsf	0.405296	1	0.560242	14.9382	20.9748	No change
NM_001081959	Klc1	0.406057	1	0.739296	4.58062	7.29489	No change
NM_025950	Cdc3711	0.406172	1	0.54258	29.018	40.2452	No change
NM_001128606	Epb4.1	0.406186	1	0.566001	10.2621	14.4671	No change
NM_007834	Dscr3	0.40663	1	0.594348	15.7352	22.6268	No change
NM_010773	Mbd2	0.406709	1	0.627684	14.579	21.4597	No change
NM_133837	Cdc123	0.406795	1	0.571087	30.7027	43.4373	No change
NM_010329	Pdpn	0.407164	1	0.624126	15.8375	23.2539	No change
NM_028015	Lass5	0.407298	1	0.57846	22.7802	32.3952	No change
NM_144837	BC018507	0.407379	1	0.548228	8.90798	12.4032	No change
NM_133796	Arhgdia	0.407779	1	0.523477	37.423	51.2154	No change
NM_153117	9530068E07Rik	0.408155	1	0.532594	35.7081	49.1799	No change
NM_007791	Csrp1	0.40861	1	0.562369	32.2477	45.3459	No change
NM_010192	Fem1a	0.408886	1	0.577536	6.92226	9.83755	No change
NM_029891	Nkrf	0.408991	1	0.825134	2.15523	3.6489	No change
NM_008826	Pfkl	0.409007	1	0.545738	19.5373	27.1558	No change
NM_008624	Mras	0.409121	1	0.708125	3.54342	5.51964	No change
NM_027348	Pmvk	0.409128	1	0.679759	15.2134	23.2283	No change
NM_026639	Art4	0.409272	1	0.724719	5.34975	8.43183	No change
NM_001163307	Pcgf2	0.409285	1	0.898126	1.99123	3.55344	No change
NM_001168577	Nat2	0.409285	1	0.898126	3.60393	6.43138	No change
NM_001011687	Rnase13	0.409399	1	0.630286	43.927	64.7756	No change
NM_173181	Fam164a	0.409673	1	0.651611	6.63545	9.9324	No change
NM_153059	Tmem5	0.409706	1	0.685012	12.3404	18.9116	No change
NM_010440	Hmg20b	0.409748	1	0.734509	7.35862	11.6787	No change
NM_019643	Fam60a	0.409872	1	0.637935	9.56363	14.1786	No change
NM_028044	Cnn3	0.410107	1	0.721537	6.54132	10.2866	No change
NM_026467	Rps27l	0.410443	1	0.758872	22.2296	35.8955	No change
NM_001112738	Atp5c1	0.410575	1	0.511204	75.4652	102.399	No change
NM_009373	Tgm2	0.410871	1	0.520496	32.1267	43.8756	No change
NM_010764	Man2b1	0.410882	1	0.602443	8.37927	12.1173	No change
NM_026430	Uxs1	0.411081	1	0.661343	16.4438	24.7829	No change
NM_026395	Rer1	0.411245	1	0.541727	52.614	72.926	No change
NM_025440	Mrps16	0.411585	1	0.698817	27.4585	42.4911	No change
NM_022655	Ireb2	0.411873	1	0.573642	8.84361	12.5338	No change
NM_145963	Kcnj14	0.411879	1	1.34832	0.422541	1.06095	No change
NM_022980	Rcan3	0.412048	1	0.724173	2.57459	4.05615	No change
NM_011157	Srgn	0.412158	1	0.622054	31.9488	46.8402	No change
NM_001168655	Socs2	0.412241	1	0.793392	3.87359	6.41049	No change
NM_020558	C1d	0.412375	1	0.68704	5.77436	8.86158	No change
NM_001085410	1110020G09Rik	0.412605	1	0.59074	11.2824	16.1823	No change
NM_011856	Odz2	0.412804	1	0.883735	0.551074	0.973137	No change
NM_031392	Wdr6	0.4129	1	0.557875	15.7201	22.0355	No change
NM_001013755	5730409E04Rik	0.412974	1	0.762382	3.59469	5.81885	No change
NM_013902	Fkbp3	0.412974	1	0.59854	40.9308	59.0281	No change
NM_025729	Tab3	0.413007	1	0.616171	5.03752	7.35508	No change
NM_001080949	Ttc5	0.413338	1	0.675562	10.2211	15.5593	No change
NM_015774	Ero1l	0.413448	1	0.57381	11.8311	16.7696	No change
NM_001079905	Repin1	0.413563	1	0.703183	5.16157	8.01184	No change
NM_025494	Atp6v1c1	0.413673	1	0.642823	11.8923	17.6911	No change
NM_181043	Mylip	0.413707	1	0.778506	6.97971	11.4286	No change
NM_033444	Clic1	0.413733	1	0.649613	20.2645	30.2897	No change
NM_025522	Dhrs7	0.413827	1	0.652778	17.5301	26.261	No change
NR_028404	Rgag4	0.414087	1	0.658438	5.03785	7.57701	No change
NM_139297	Ugp2	0.414162	1	0.581248	15.5853	22.206	No change
NM_175326	D330045A20Rik	0.414311	1	0.807524	2.12547	3.55306	No change
NM_026322	Msra	0.41432	1	0.74812	6.07003	9.72652	No change
NM_001163290	Adck3	0.414394	1	0.618587	8.07288	11.8068	No change
NM_172943	Alkbh5	0.414454	1	0.543614	13.5222	18.7669	No change
NM_001165254	Ctage5	0.414471	1	0.618018	11.2749	16.4833	No change
NM_054046	Def8	0.414999	1	0.696752	4.30478	6.65156	No change
NM_013709	Sh3yl1	0.41516	1	0.777374	5.45982	8.93252	No change
NM_026442	Cmc1	0.415305	1	0.771463	8.3066	13.5329	No change
NM_025798	Hint3	0.415374	1	0.662332	30.6409	46.2103	No change
NM_012021	Prdx5	0.415508	1	0.562059	91.3707	128.452	No change
NM_026765	Uckl1	0.415685	1	0.666176	11.4421	17.3029	No change
NM_028419	Glrx5	0.4157	1	0.825874	7.79362	13.2003	No change
NM_054099	1110038F14Rik	0.41602	1	0.90131	4.59935	8.22536	No change
NM_001080557	Vamp1	0.416704	1	0.67607	6.09868	9.28685	No change
NM_026162	Plxdc2	0.416792	1	0.739459	3.78364	6.02551	No change

NM_007481	Arf6	0.416927	1	0.545235	22.1164	30.7291	No change
NM_001081468	Gtf2ird1	0.416948	1	0.572465	16.8479	23.8578	No change
NM_021307	Zfp112	0.416959	1	0.964711	1.09299	2.04708	No change
NM_177470	Acaa2	0.416959	1	0.61853	21.6977	31.7316	No change
NR_027891	2900092D14Rik	0.41709	1	0.746959	4.07217	6.51956	No change
NM_145619	Parp3	0.417315	1	0.709958	5.66437	8.83413	No change
NM_011843	Esyt1	0.417556	1	0.620583	8.6998	12.7412	No change
NM_138303	Yipf2	0.417697	1	0.54578	38.0318	52.8622	No change
NM_001110140	Atp2a2	0.418053	1	0.48682	65.1572	86.9242	No change
NM_001163610	Nhsl2	0.418131	1	0.739006	0.945645	1.50545	No change
NM_030732	Tbl1xr1	0.418257	1	0.560511	8.21531	11.5367	No change
NM_177772	Bpil2	0.418402	1	1.28378	0.5688	1.35687	No change
NM_029823	Arxes2	0.418444	1	0.746398	7.60287	12.1672	No change
NM_175387	Rbfox2	0.418451	1	0.632256	4.12367	6.08886	No change
NM_138665	Sardh	0.418529	1	0.649064	5.39746	8.06428	No change
NM_022995	Pmepa1	0.418646	1	0.722903	3.03013	4.76916	No change
NM_011245	Rasgrf1	0.418694	1	0.735343	2.98354	4.73739	No change
NM_020582	Atp5j2	0.418727	1	0.578857	109.726	156.074	No change
NM_001081009	Parp8	0.418751	1	0.611707	11.5327	16.7853	No change
NM_009294	Stx4a	0.418767	1	0.934034	3.23318	5.9209	No change
NM_027135	Sec24d	0.419196	1	0.620701	8.43832	12.3591	No change
NM_145944	Ccdc25	0.419232	1	0.641179	11.9545	17.7624	No change
NM_138650	Dgkg	0.419345	1	0.750043	2.08889	3.35155	No change
NM_001082414	Sh3d19	0.4194	1	0.629776	4.6404	6.8399	No change
NM_001033277	Spryd3	0.419402	1	0.575435	22.6495	32.1395	No change
NM_028108	Naa50	0.419468	1	0.591333	9.99353	14.3392	No change
NM_022993	Lrp10	0.419475	1	0.607669	12.4485	18.0669	No change
NM_009260	Spnb2	0.419494	1	0.486057	34.6116	46.1496	No change
NM_023281	Sdha	0.419623	1	0.497911	78.8586	106.017	No change
NM_172656	Stradb	0.419892	1	0.728565	5.74508	9.07844	No change
NM_001159751	Tcea1	0.419926	1	0.573607	22.2071	31.4715	No change
NM_001159905	Zfand2b	0.419955	1	1.04347	2.37524	4.71445	No change
NM_011324	Scnn1a	0.419976	1	0.758441	3.12801	5.04876	No change
NM_030165	Csgalnact2	0.420144	1	0.669671	5.69349	8.63061	No change
NM_008944	Psma2	0.420166	1	0.659944	23.9431	36.0473	No change
NM_001204912	2410017P09Rik	0.420223	1	0.685961	4.5501	6.97694	No change
NM_010697	Ldb1	0.420285	1	0.611933	15.7784	22.9681	No change
NM_011738	Ywhah	0.42034	1	0.572037	33.1476	46.9246	No change
NM_033524	Spred1	0.420451	1	0.650608	8.232	12.3125	No change
NM_013551	Hmbs	0.420635	1	0.653641	15.0652	22.5809	No change
NM_175168	Ptk7	0.420823	1	0.675249	4.70079	7.15379	No change
NM_009729	Atp6v0c	0.420975	1	0.533298	93.9734	129.486	No change
NR_037854	Atp6v0c-ps2	0.420975	1	0.533298	96.7473	133.308	No change
NM_027366	Ly6g6e	0.421562	1	1.05871	2.39052	4.79869	No change
NM_013505	Dsc2	0.421623	1	0.753157	2.58823	4.1618	No change
NM_133668	Slc25a3	0.421863	1	0.528683	79.2342	108.826	No change
NM_001081047	Cnksr1	0.422386	1	0.874389	2.37301	4.16137	No change
NM_027154	Tmbim1	0.422412	1	0.686154	8.02872	12.3124	No change
NM_015728	Slc33a1	0.422422	1	0.546019	28.6035	39.7633	No change
NM_139145	Hlcs	0.422469	1	0.716851	3.04267	4.76824	No change
NM_001163945	Rpl3l	0.422477	1	0.853887	4.72408	8.16282	No change
NM_008856	Prkch	0.422477	1	0.853887	1.96407	3.39376	No change
NM_178716	Tnpo1	0.422546	1	0.505176	37.4514	50.6039	No change
NM_178763	Zfp750	0.422631	1	0.756998	3.45993	5.57858	No change
NM_025848	Sdhd	0.422964	1	0.563975	52.8256	74.3609	No change
NM_145567	Hibadh	0.423147	1	0.56684	37.6599	53.1187	No change
NM_009612	Acvr1l	0.423158	1	0.805169	2.3263	3.88166	No change
NM_178772	Nceh1	0.423158	1	0.805169	1.91917	3.20233	No change
NM_008124	Gjb1	0.423331	1	0.836745	4.75179	8.11008	No change
NM_001101445	Cyp4f17	0.42351	1	1.13694	1.23496	2.62908	No change
NM_009282	Stag1	0.423595	1	0.596389	7.43314	10.7029	No change
NM_018789	Foxo4	0.424086	1	0.740486	3.98938	6.3572	No change
NM_022656	Nisch	0.424508	1	0.531193	21.4843	29.5595	No change
NM_029948	Pramef12	0.424545	1	0.747727	4.90117	7.85031	No change
NM_178918	Utp15	0.424572	1	0.680136	4.8619	7.42422	No change
NM_031257	Plekha2	0.424932	1	0.675891	4.12508	6.28027	No change
NM_017366	Acadvl	0.424957	1	0.594051	21.6378	31.105	No change
NM_053141	Pcdhb16	0.425071	1	0.951302	0.793468	1.47124	No change
NM_032002	Nrg4	0.425314	1	0.889959	2.85568	5.06409	No change
NM_001170960	Dtwd2	0.425418	1	0.94393	1.51241	2.78922	No change
NM_172769	Sc5d	0.425433	1	0.612457	16.8577	24.5475	No change
NM_172381	Al314180	0.425476	1	0.512886	30.4944	41.4249	No change
NM_178935	Txlng	0.42553	1	0.673282	5.54688	8.42936	No change
NM_001085492	Rere	0.425596	1	0.611137	5.16763	7.51793	No change
NM_011723	Xdh	0.42564	1	0.667009	4.86194	7.35595	No change
NM_008628	Msh2	0.425766	1	0.736488	4.28739	6.81262	No change

NM_133978	Cmtm7	0.425856	1	0.936977	4.58412	8.41128	No change
NM_021524	Nampt	0.425915	1	0.614609	8.18474	11.9362	No change
NM_029869	Zkscan1	0.426066	1	0.546104	11.734	16.3129	No change
NM_025448	Ssr2	0.426072	1	0.579518	48.19	68.5746	No change
NM_001172071	Senp8	0.426116	1	0.711528	4.13526	6.45589	No change
NR_028108	Myeov2	0.426229	1	0.568096	99.3693	140.28	No change
NM_001081076	Gucy2g	0.426232	1	0.73311	3.45866	5.48262	No change
NM_030684	Trim34a	0.426391	1	0.809701	3.24153	5.42606	No change
NM_001048204	Zfp455	0.426486	1	1.0187	1.18211	2.30303	No change
NM_009730	Atrn	0.426516	1	0.598329	5.16894	7.45272	No change
NM_021539	Wsb2	0.426591	1	0.598017	18.8414	27.1601	No change
NM_199299	Phf15	0.426845	1	0.653437	4.17015	6.24935	No change
NM_153680	Snx17	0.426924	1	0.669702	11.3462	17.1988	No change
NM_008716	Notch3	0.427031	1	0.655425	3.14991	4.72701	No change
NM_152813	Plcd3	0.427384	1	0.742813	4.1848	6.67933	No change
NM_178391	Setmar	0.427546	1	1.03139	1.90584	3.74794	No change
NM_178407	Arap2	0.427559	1	0.552361	11.8238	16.5094	No change
NM_080289	Grhpr	0.427572	1	0.918304	3.97921	7.20252	No change
NM_011186	Psmb5	0.427801	1	0.60539	48.409	70.1425	No change
NM_172597	Txndc16	0.427848	1	0.548777	23.0464	32.0992	No change
NM_025431	Llph	0.427884	1	0.693321	15.7139	24.2186	No change
NM_001024560	Snx32	0.427958	1	0.750107	7.34944	11.7911	No change
NM_024457	Rap1b	0.428103	1	0.592318	25.5817	36.7294	No change
NM_021330	Acp1	0.428151	1	0.559769	25.1227	35.2601	No change
NM_007499	Atm	0.428392	1	0.555692	6.98444	9.77495	No change
NM_183138	Tet3	0.428396	1	0.619279	3.32936	4.8712	No change
NM_001002267	Tmem158	0.428543	1	1.16276	1.12603	2.44412	No change
NM_001033537	Pgap3	0.428544	1	0.772818	4.34143	7.0784	No change
NM_019710	Smc1a	0.428854	1	0.627825	8.39124	12.3509	No change
NM_146162	Tmem119	0.428941	1	1.04514	1.40862	2.7984	No change
NM_019941	Zfp235	0.428977	1	0.907404	1.494	2.6828	No change
NM_172398	Akr1b10	0.429211	1	0.873592	4.52147	7.92324	No change
NM_001037746	Prps1l3	0.429306	1	0.565939	18.0408	25.4297	No change
NM_025939	Paics	0.429525	1	0.564949	30.9356	43.5755	No change
NM_001048250	2810008M24Rik	0.429544	1	0.726298	7.73951	12.2091	No change
NM_001130458	Tcn2	0.429833	1	0.64978	13.1394	19.6396	No change
NM_145412	Chtf8	0.430059	1	0.568114	24.1345	34.0707	No change
NM_001113549	Ltbp4	0.430111	1	0.643299	5.65521	8.41454	No change
NM_181517	Ipo7	0.430325	1	0.630876	10.5087	15.5006	No change
NM_153055	Sec63	0.430377	1	0.590958	8.59608	12.3301	No change
NM_008183	Gstm2	0.430414	1	0.519671	164.481	224.492	No change
NM_011486	Stat3	0.430655	1	0.560479	18.079	25.3865	No change
NM_008876	Pld2	0.430723	1	1.06008	0.733417	1.47322	No change
NM_021506	Sh3rf1	0.430776	1	0.676791	4.12965	6.29089	No change
NM_001013391	Cpsf6	0.430779	1	0.539814	17.5352	24.2709	No change
NM_001170488	Tprkb	0.430951	1	0.741437	5.84662	9.32225	No change
NM_001168497	Plscr3	0.431042	1	0.761183	4.01934	6.49908	No change
NM_001195765	Gm13611	0.431099	1	0.601148	106.39	153.696	No change
NM_008268	Hoxb5	0.431347	1	0.892946	2.94063	5.22529	No change
NM_001048057	Rpl38	0.431603	1	0.715593	42.8734	67.1216	No change
NM_177239	Mysm1	0.431617	1	0.598384	6.46297	9.3186	No change
NM_011479	Sptlc2	0.431665	1	0.601453	12.3086	17.7852	No change
NM_028994	Pck2	0.431836	1	0.820919	2.37776	4.01185	No change
NM_001204917	Gm8394	0.431859	1	0.65395	36.4784	54.6838	No change
NM_146249	Zfp119b	0.43189	1	0.832341	4.00872	6.8192	No change
NM_144870	Ndufs8	0.431907	1	0.635356	33.001	48.8298	No change
NM_028320	Adipor1	0.431971	1	0.560415	40.4935	56.8582	No change
NM_019998	Alg2	0.43201	1	0.637417	10.1973	15.1102	No change
NM_177157	Gchfr	0.432019	1	1.22933	2.54839	5.82089	No change
NM_001033297	Gm561	0.432256	1	0.954074	9.26202	17.2048	No change
NM_008377	Lrig1	0.43229	1	0.690173	3.90146	5.99945	No change
NM_177327	Wwp1	0.432331	1	0.560661	16.193	22.7409	No change
NM_026969	Sec31a	0.43247	1	0.512778	50.44	68.5139	No change
NM_009679	Ap2m1	0.432535	1	0.584396	28.2566	40.3453	No change
NM_001001144	Scap	0.432633	1	0.666205	5.56113	8.40856	No change
NM_011419	Kdm5d	0.432644	1	0.677076	3.96171	6.03616	No change
NM_010792	Mettl1	0.43265	1	0.988324	4.16429	7.93181	No change
NM_026585	D6Wsu116e	0.432792	1	0.638399	7.23366	10.726	No change
NM_001040684	Hsd3b7	0.43291	1	0.725535	8.38204	13.2151	No change
NM_024190	Chmp1b	0.433134	1	0.619449	15.074	22.0568	No change
NM_026740	Slc46a1	0.433367	1	0.764341	5.79009	9.38301	No change
NM_026823	Arl8a	0.433411	1	0.842553	4.25856	7.2972	No change
NM_147219	Abca5	0.433917	1	0.555998	10.9904	15.3844	No change
NM_030250	Nus1	0.434119	1	0.612254	9.0628	13.1944	No change
NM_019390	Lmna	0.43422	1	0.647035	18.9905	28.3299	No change
NM_145622	Zfp71-rs1	0.434306	1	0.717595	4.01262	6.29077	No change

NM_145542	Ahcyl1	0.434649	1	0.548739	27.0917	37.7317	No change
NM_001024606	Pdp2	0.434777	1	0.710691	4.8016	7.49105	No change
NM_001037913	Ccdc107	0.434813	1	0.876526	7.53437	13.2293	No change
NM_028840	Armc1	0.435075	1	0.648108	9.84404	14.6962	No change
NM_028643	Efha1	0.435163	1	0.648941	12.3999	18.5227	No change
NM_007711	Cln3	0.435211	1	0.546041	20.0167	27.8257	No change
NM_029976	Cdkn2aipnl	0.435487	1	0.687282	10.9176	16.7538	No change
NM_007874	Reep5	0.435761	1	0.627867	12.3412	18.1646	No change
NM_008820	Pepd	0.435835	1	0.70643	9.44033	14.6836	No change
NM_001081241	Fam65a	0.436029	1	1.03324	0.758815	1.49384	No change
NM_001122641	Arhgap17	0.436157	1	0.681596	6.59866	10.0856	No change
NM_011873	Dazap2	0.436401	1	0.533576	79.3704	109.381	No change
NM_008675	Nbl1	0.436417	1	0.687361	11.6287	17.8459	No change
NM_008945	Psbm4	0.436473	1	0.551095	108.836	151.828	No change
NM_013706	Cd52	0.436503	1	0.539393	255.91	354.102	No change
NM_133718	Tmem30a	0.436527	1	0.521246	52.2126	71.3398	No change
NM_010761	Ccnbdp1	0.436718	1	0.80417	5.80774	9.68173	No change
NM_145973	Eli3	0.436813	1	0.727343	8.99264	14.1952	No change
NM_177047	Auts2	0.43682	1	0.762091	1.95541	3.16359	No change
NM_025691	Srp72	0.437066	1	0.559967	24.842	34.8699	No change
NR_015483	2610203C20Rik	0.437475	1	0.635594	13.0032	19.2427	No change
NM_025611	Cul7	0.437817	1	0.710405	3.11343	4.85618	No change
NM_009302	Swap70	0.437822	1	0.706312	4.40439	6.84994	No change
NM_010197	Fgf1	0.437864	1	0.727085	3.88669	6.1341	No change
NM_029349	2310035C23Rik	0.438192	1	0.615933	7.86561	11.4806	No change
NM_026009	Ccdc47	0.438326	1	0.570787	23.5011	33.2374	No change
NM_008388	Eif3e	0.438453	1	0.542652	81.3612	112.834	No change
NM_001164503	Akap11	0.438598	1	0.527163	18.5335	25.4272	No change
NM_029250	Etnk1	0.438599	1	0.516263	35.4152	48.2215	No change
NM_025937	Nkap	0.438653	1	0.809987	2.09308	3.50364	No change
NM_026244	Slc39a9	0.438755	1	0.620168	7.68888	11.2559	No change
NM_007570	Btg2	0.438797	1	0.706254	5.80963	9.035	No change
NM_001113560	Glo1	0.438939	1	0.787044	11.3958	18.7663	No change
NM_177798	Frs2	0.439356	1	0.620907	7.06248	10.3443	No change
NR_033228	E030024N20Rik	0.43939	1	0.536108	22.9315	31.6576	No change
NM_026232	Slc25a30	0.439473	1	0.642909	18.5875	27.6475	No change
NM_144788	Hectd1	0.439489	1	0.499214	43.12	58.0207	No change
NM_023500	Xk	0.439595	1	0.729375	2.99888	4.74051	No change
NM_001163064	AU041133	0.439646	1	0.81787	3.25445	5.47835	No change
NM_007639	Cd1d1	0.439751	1	0.981405	2.11764	4.01219	No change
NM_026065	Mrp142	0.440029	1	0.719052	24.5914	38.5903	No change
NM_009656	Aldh2	0.440061	1	0.554735	46.7041	65.3177	No change
NM_001081282	Ibtk	0.440097	1	0.57977	12.187	17.3442	No change
NM_029653	Dapk1	0.440141	1	0.755807	2.14312	3.45172	No change
NM_001168516	Zdhhc24	0.440298	1	0.748061	5.86662	9.39706	No change
NM_007907	Eef2	0.441106	1	0.472933	444.349	587.088	No change
NM_008799	Pdcd2	0.441141	1	0.784791	9.3961	15.4479	No change
NM_207680	Bcl2l11	0.44128	1	0.723692	3.16849	4.98845	No change
NM_145537	Edem2	0.441642	1	0.613974	19.4739	28.3847	No change
NM_172710	Sel1l3	0.44166	1	0.706085	4.06233	6.31671	No change
NM_001163688	Ptptra	0.441764	1	0.676007	6.74833	10.2734	No change
NM_009052	Bex1	0.442006	1	1.26913	1.69001	3.97918	No change
NM_145607	Ttc13	0.44202	1	0.647346	10.1945	15.2106	No change
NM_011749	Zfp148	0.442024	1	0.570275	8.69037	12.2861	No change
NM_024188	Oxct1	0.442214	1	0.612358	13.17	19.1745	No change
NM_026080	Mrps24	0.442214	1	0.796998	9.7584	16.1833	No change
NM_007988	Fasn	0.442631	1	0.510251	30.3092	41.0967	No change
NM_007566	Birc6	0.44288	1	0.526095	12.2001	16.7255	No change
NM_207533	Dbx2	0.443077	1	1.87939	0.276194	1.0432	No change
NM_025770	Atg10	0.44312	1	0.848121	4.59133	7.89745	No change
NM_001004176	Mami3	0.443218	1	0.655504	4.45213	6.68079	No change
NM_020601	Tbl1x	0.443543	1	0.665533	11.4742	17.3396	No change
NM_010271	Gpd1	0.443742	1	0.640498	12.1869	18.096	No change
NM_146145	Jak1	0.443792	1	0.552581	21.6352	30.2121	No change
NM_080556	Tm9sf2	0.443907	1	0.567772	28.7239	40.5378	No change
NM_007644	Scarb2	0.444224	1	0.626409	18.86	27.7297	No change
NM_009081	Rpl28	0.444239	1	0.653374	60.2788	90.3177	No change
NR_030700	4831440E17Rik	0.444286	1	0.89008	1.2815	2.27177	No change
NM_010602	Kcnj11	0.444323	1	0.794395	3.24413	5.36992	No change
NM_029658	Fam101b	0.444337	1	0.781618	3.11643	5.11186	No change
NM_001146180	Mtss1	0.444423	1	0.698817	4.02645	6.22877	No change
NM_080465	Kcnn2	0.444427	1	0.862316	3.37224	5.85977	No change
NM_029687	Wdr38	0.444446	1	0.629469	31.957	47.0868	No change
NM_011438	Sox12	0.444794	1	0.787204	2.38857	3.93353	No change
NM_009443	Tgoln1	0.444832	1	0.529022	38.4254	52.7858	No change
NM_177766	Slc35e1	0.444862	1	0.615192	6.50428	9.48838	No change

NM_172441	Shroom2	0.444897	1	0.634438	4.89171	7.23274	No change
NM_029634	Ip6k2	0.444923	1	0.64484	17.8205	26.5416	No change
NR_028517	Scarna10	0.445183	1	0.597291	812.757	1170.9	No change
NM_030255	Apobec3	0.445293	1	0.702248	8.23912	12.7764	No change
NM_080558	Ssfa2	0.4453	1	0.64299	6.59572	9.81082	No change
NM_019432	Tmem37	0.445379	1	0.756785	12.7462	20.542	No change
NM_010656	Sspn	0.445425	1	0.709706	4.15818	6.48203	No change
NM_001113533	Wtap	0.445438	1	0.660407	13.7619	20.7217	No change
NM_013834	Sfrp1	0.445794	1	0.676664	5.56332	8.47304	No change
NM_016703	Preb	0.445909	1	0.608362	9.18483	13.3349	No change
NM_144794	Tmem63a	0.446019	1	0.959345	1.35556	2.52676	No change
NM_008925	PrkcsH	0.446111	1	0.681539	11.7028	17.8848	No change
NR_028520	Gm10451	0.446213	1	0.826974	9.44328	15.9982	No change
NM_026914	1500032L24Rik	0.446223	1	0.705821	32.5234	50.5605	No change
NM_028175	Lrrc8e	0.446379	1	0.878477	1.65337	2.90644	No change
NM_021381	Prokr1	0.44644	1	0.74521	3.48808	5.57548	No change
NM_197991	2310044H10Rik	0.446504	1	0.60495	28.591	41.4104	No change
NM_009466	Ugdh	0.446537	1	0.741886	5.93617	9.4663	No change
NM_007382	Acadm	0.446789	1	0.635759	19.9824	29.5724	No change
NM_001139504	Dnlz	0.446798	1	0.768943	4.12483	6.70508	No change
NM_001081454	Furin	0.446862	1	0.641043	8.36449	12.4247	No change
NM_007961	Etv6	0.447036	1	0.68552	4.10848	6.29631	No change
NM_011293	Polr2j	0.447742	1	0.835947	13.7959	23.522	No change
NM_175446	Zmat1	0.447742	1	0.835947	2.30784	3.93487	No change
NM_172595	Arl15	0.447782	1	0.735343	4.56187	7.24104	No change
NM_001172154	Dnase111	0.447849	1	0.871494	4.43669	7.7599	No change
NM_001076791	Zfp874b	0.447882	1	0.804751	2.56822	4.28234	No change
NM_009021	Rai1	0.448007	1	0.683034	3.18683	4.8753	No change
NM_183025	A430033K04Rik	0.448127	1	0.823075	2.77263	4.68401	No change
NM_144552	Stxbp6	0.448369	1	0.755017	3.09388	4.97972	No change
NM_001122954	Pla2g5	0.448392	1	0.643474	16.1735	24.065	No change
NM_016886	Gria3	0.448426	1	1.11385	0.46981	0.981733	No change
NM_026362	5033414D02Rik	0.448455	1	0.758938	15.4598	24.9523	No change
NM_018819	Brp44l	0.448472	1	0.65866	32.5797	48.9952	No change
NM_011288	Mrpl23	0.448657	1	0.833747	14.1302	24.0537	No change
NM_026913	Mitd1	0.448695	1	0.848195	6.18107	10.6314	No change
NM_016762	Matn2	0.448849	1	0.705671	5.5271	8.59124	No change
NM_001177576	Slc25a22	0.448853	1	0.782938	4.37976	7.19038	No change
NM_001145859	Sh3bp2	0.449569	1	0.831616	2.74382	4.66359	No change
NM_009615	Adam17	0.449846	1	0.595409	14.3021	20.5768	No change
NM_025326	Tmem176a	0.450014	1	0.659916	27.8379	41.9006	No change
NM_175283	Srd5a1	0.450397	1	0.757711	4.99488	8.0546	No change
NM_001005510	Syne2	0.450564	1	0.506055	20.6338	27.8959	No change
NM_178647	Cggbp1	0.450572	1	0.589345	16.1004	23.0662	No change
NR_028381	B230206F22Rik	0.450595	1	1.02459	0.799381	1.56287	No change
NR_038060	5830428M24Rik	0.450595	1	1.02459	3.29311	6.43834	No change
NM_023184	Klf15	0.45062	1	0.715181	7.9597	12.4555	No change
NM_008648	Mup4	0.450995	1	0.793105	12.1067	20.0194	No change
NM_177411	Rab5b	0.45109	1	0.571421	29.3167	41.4787	No change
NM_172647	F11r	0.451143	1	0.677523	10.1928	15.5325	No change
NM_001008501	Zfp760	0.451352	1	0.775053	2.83143	4.62232	No change
NM_007665	Cdh3	0.451647	1	0.700425	6.42788	9.9543	No change
NM_033564	Mpv17l	0.451709	1	0.807193	3.21377	5.36777	No change
NM_001005341	Ypel2	0.451732	1	0.662059	6.01389	9.0654	No change
NM_001025392	Bclaf1	0.452293	1	0.540641	32.0225	44.3461	No change
NM_019769	1500003O03Rik	0.45238	1	0.605866	21.7891	31.5781	No change
NR_002864	Peg13	0.45267	1	0.645022	7.50766	11.1827	No change
NM_013493	Cnbp	0.452846	1	0.533154	97.3077	134.056	No change
NM_011930	Cicn7	0.452858	1	0.618056	11.9557	17.4751	No change
NM_172402	Slc25a32	0.453109	1	0.73922	5.25359	8.36139	No change
NM_010928	Notch2	0.453177	1	0.581426	7.77462	11.0768	No change
NM_009145	Nptn	0.453346	1	0.610731	25.8371	37.5719	No change
NM_019753	Cdh17	0.453974	1	1.04972	0.905887	1.80411	No change
NM_173781	Rab6b	0.454029	1	0.7147	3.97488	6.21764	No change
NM_001190324	Chchd7	0.454209	1	0.867694	14.6341	25.5224	No change
NM_001033285	Cdc42bpa	0.45425	1	0.587947	8.66331	12.3992	No change
NM_178883	Gorab	0.454346	1	0.69579	8.80537	13.5914	No change
NM_172442	Dtx4	0.45449	1	0.606209	10.0252	14.5324	No change
NM_025476	Fam82b	0.454578	1	0.89973	3.19658	5.70499	No change
NM_010633	Uhmk1	0.455309	1	0.72773	8.47058	13.3721	No change
NM_027864	Galnt14	0.455505	1	0.830062	3.53126	5.99471	No change
NM_020007	Mbnl1	0.455719	1	0.585222	14.3383	20.4823	No change
NM_027760	Rassf8	0.455787	1	0.818399	5.38884	9.07226	No change
NM_133937	6720456B07Rik	0.455844	1	0.620968	44.3616	64.9725	No change
NM_015794	Fbxl17	0.45598	1	0.648057	2.09227	3.123	No change
NM_026499	Srsf6	0.456435	1	0.559987	35.613	49.9864	No change

NM_001045513	Raph1	0.456589	1	0.765932	5.71652	9.27143	No change
NM_181392	Gtf2h5	0.456739	1	0.712396	16.7239	26.117	No change
NM_172118	Myl9	0.456909	1	0.606231	55.1494	79.9445	No change
NM_008141	Gnat2	0.457282	1	1.11385	1.54112	3.21913	No change
NM_026617	Tmbim4	0.457309	1	0.618199	63.3964	92.6708	No change
NM_175015	Atp5g3	0.457611	1	0.603636	92.0686	133.22	No change
NM_001131021	D630003M21Rik	0.457613	1	0.732074	3.73052	5.90715	No change
NM_019940	Zfp111	0.458054	1	0.797732	1.50445	2.49568	No change
NM_008617	Mdh2	0.458478	1	0.718065	14.7866	23.1837	No change
NM_139065	Rbm47	0.458522	1	0.634047	9.13957	13.5087	No change
NM_027052	Slc38a4	0.45869	1	0.768719	3.31449	5.38615	No change
NM_008857	Prkci	0.458702	1	0.650883	7.94484	11.8821	No change
NM_153533	Tenc1	0.458959	1	0.870298	1.51024	2.63859	No change
NM_026933	Triap1	0.459196	1	0.848331	7.64031	13.14	No change
NM_001076789	Cbx5	0.459549	1	0.527292	33.9239	46.5446	No change
NR_015529	R74862	0.45973	1	0.722044	9.75188	15.3325	No change
NM_133765	Fbxo31	0.459761	1	1.0383	1.83907	3.63099	No change
NM_001024626	Zfp873	0.459877	1	0.902351	2.63621	4.71323	No change
NM_011897	Spry2	0.460211	1	0.864241	3.53975	6.15744	No change
NM_008996	Rab1	0.460301	1	0.590214	29.8759	42.826	No change
NM_001112744	Arhgef16	0.460354	1	0.830548	3.28329	5.57523	No change
NM_001032298	Bglap2	0.460706	1	0.988324	8.73011	16.614	No change
NM_144880	Ppp2r5a	0.46108	1	0.675049	9.20345	13.9995	No change
NM_080446	Helb	0.461134	1	0.828625	1.99914	3.38995	No change
NM_019883	Uba52	0.461241	1	0.540066	444.398	615.164	No change
NM_015817	Ppap2c	0.461278	1	0.766607	8.17177	13.2559	No change
NM_001177772	Slco1c1	0.461338	1	1.58334	0.263406	0.791397	No change
NM_015804	Atp11a	0.461501	1	0.553024	21.7796	30.4217	No change
NM_025572	2610528J11Rik	0.461572	1	0.886444	7.23588	12.789	No change
NM_001113545	Lima1	0.46165	1	0.604077	15.4818	22.4083	No change
NM_080559	Sh3bgrl3	0.461746	1	0.605743	90.8867	131.701	No change
NM_011803	Klf6	0.461871	1	0.662318	7.70143	11.6105	No change
NM_010189	Fcgrt	0.461961	1	0.723723	10.7066	16.8531	No change
NM_010591	Jun	0.462119	1	0.775168	4.00182	6.5326	No change
NM_175465	Sestd1	0.462187	1	0.631703	14.2059	20.9622	No change
NM_001168514	Mapk14	0.462223	1	0.679255	7.66176	11.6888	No change
NM_001101478	D3Ert254e	0.462362	1	0.709958	3.15591	4.91971	No change
NM_029965	Rnf170	0.462393	1	0.646767	9.86204	14.7066	No change
NM_011281	Rorc	0.462513	1	0.806187	4.17656	6.96972	No change
NM_021523	Huwe1	0.462576	1	0.544553	13.8576	19.2424	No change
NM_146211	Gltd2d1	0.462802	1	0.648632	11.9405	17.8293	No change
NM_028724	Rin2	0.462833	1	0.685901	5.58202	8.55572	No change
NM_145977	Slc45a3	0.462841	1	0.65751	10.3287	15.5189	No change
NM_001033136	Fam82a2	0.462916	1	0.670781	13.3692	20.2749	No change
NM_172471	Itih5	0.463004	1	0.651693	4.64151	6.94547	No change
NM_001081230	Mtap9	0.46348	1	0.778916	2.01749	3.30206	No change
NM_023912	Scyl1	0.463507	1	0.588821	32.3754	46.3633	No change
NM_178764	Fam168a	0.463999	1	0.668444	4.7323	7.16492	No change
NM_001145880	Zfp790	0.464024	1	0.7325	3.97572	6.29689	No change
NM_206534	Churc1	0.464273	1	0.760218	22.4675	36.2887	No change
NM_011547	Tcfap2a	0.464362	1	0.946398	1.75267	3.23473	No change
NM_008907	Ppia	0.46465	1	0.529668	440.126	604.858	No change
NM_177602	Wdr25	0.464812	1	0.756092	5.58698	8.99751	No change
NM_025514	Anapc16	0.464942	1	0.690869	19.0358	29.2782	No change
NM_007513	Slc7a1	0.46524	1	0.581109	13.9502	19.8703	No change
NM_008971	Twf1	0.465347	1	0.621568	18.2613	26.7556	No change
NM_008760	Ogn	0.465568	1	0.644182	16.216	24.1376	No change
NM_001190371	Ankrd29	0.465692	1	0.896624	1.96921	3.50576	No change
NM_001166474	Vmac	0.465922	1	0.67142	15.4951	23.509	No change
NM_023324	Peli1	0.466216	1	0.666536	9.31906	14.0904	No change
NM_019787	Sec23b	0.466432	1	0.640115	15.8531	23.5303	No change
NR_027665	Plcx1	0.466842	1	0.839416	2.64657	4.5221	No change
NM_022887	Tsc1	0.467016	1	0.595055	10.6029	15.2499	No change
NM_010586	Itpr2	0.467029	1	0.575602	13.8844	19.7007	No change
NM_001025575	Cfhr2	0.467084	1	0.855787	5.00293	8.64897	No change
NM_134158	AF251705	0.467135	1	1.37019	1.04019	2.64725	No change
NM_011768	Zfx	0.467219	1	0.630039	7.18639	10.5916	No change
NM_001081216	Phip	0.467233	1	0.565054	13.1734	18.555	No change
NM_001162492	Mpst	0.467235	1	0.815049	7.6968	12.9245	No change
NM_001177374	Ubr2	0.467416	1	0.611289	8.40069	12.2201	No change
NM_027230	Zmynd8	0.467606	1	0.623971	10.2735	15.0773	No change
NM_026776	Vps25	0.467712	1	0.687532	25.0816	38.4859	No change
NM_175009	Eny2	0.467828	1	0.733671	7.40254	11.7336	No change
NM_199449	Zhx2	0.467857	1	0.696113	5.65638	8.73178	No change
NM_027379	Far1	0.467931	1	0.596274	20.9205	30.1148	No change
NM_001161430	Nxt2	0.467942	1	0.790878	4.87025	8.03871	No change

NM_030557	Mynn	0.467967	1	0.659707	8.55643	12.8754	No change
NM_011313	S100a6	0.468635	1	0.822089	13.6672	23.065	No change
NM_001110497	Tmem87a	0.468662	1	0.617639	20.4713	29.9109	No change
NM_009946	Cplx2	0.469428	1	1.00889	0.792448	1.53057	No change
NM_009533	Xrcc5	0.469793	1	0.801911	4.38989	7.30268	No change
NM_007509	Atp6v1b2	0.469924	1	0.63202	18.3322	27.0558	No change
NM_028128	Rfc5	0.470054	1	0.818848	5.84132	9.83495	No change
NM_001114361	Eml4	0.470348	1	0.619627	10.9347	15.999	No change
NM_007705	Cirbp	0.470401	1	0.629001	41.838	61.6168	No change
NM_011067	Per3	0.470503	1	0.665333	5.77165	8.71911	No change
NM_153557	BC029214	0.470697	1	0.728033	19.7285	31.1462	No change
NM_172146	Ppat	0.470754	1	0.654262	9.70276	14.5445	No change
NM_153599	Cdk8	0.470773	1	0.709138	8.73183	13.6031	No change
NM_001162521	Dguok	0.470982	1	0.786909	12.3515	20.3289	No change
NM_007920	Elf1	0.471043	1	0.675943	7.33784	11.1679	No change
NM_145151	Crebzf	0.471076	1	0.632173	10.3008	15.2042	No change
NM_009818	Ctnna1	0.471114	1	0.60862	19.1675	27.8297	No change
NM_010318	Gng5	0.471233	1	0.591513	173.125	248.383	No change
NM_001164042	Smad5	0.471369	1	0.60589	11.1479	16.1551	No change
NM_007656	Cd82	0.471455	1	0.6128	36.63	53.3395	No change
NM_010810	Mmp7	0.471621	1	0.806596	12.5416	20.9322	No change
NM_001161746	Tnfrsf12a	0.472014	1	0.976351	5.26749	9.93387	No change
NM_007808	Cyca	0.472228	1	0.598596	27.3623	39.451	No change
NM_001198949	Ralbp1	0.47239	1	0.60912	18.8979	27.4478	No change
NM_011342	Sec22b	0.472484	1	0.64933	23.1158	34.5309	No change
NM_024218	Rpl24	0.472514	1	0.691362	39.7219	61.1122	No change
NM_001033472	A830080D01Rik	0.472656	1	0.835668	2.75376	4.69222	No change
NM_144872	Eml3	0.472656	1	0.835668	2.91483	4.96667	No change
NM_198037	Cachd1	0.472656	1	0.835668	1.8669	3.18107	No change
NR_036572	Gm13253	0.472989	1	0.700156	35.7964	55.414	No change
NM_001017427	Rasef	0.472993	1	0.591848	18.3006	26.2619	No change
NM_019727	Snx1	0.473255	1	0.544393	129.53	179.84	No change
NM_026693	Gabarapl2	0.473614	1	0.734007	29.7578	47.1769	No change
NM_026917	Zdhhc3	0.473631	1	0.661343	5.30652	7.9939	No change
NM_009712	Arsb	0.473952	1	0.777988	3.38943	5.54315	No change
NM_029850	Bcl7a	0.473952	1	0.777988	3.5496	5.8051	No change
NM_008280	Lipc	0.474393	1	0.736153	9.65538	15.3304	No change
NM_001163742	Nlr1	0.474445	1	0.801613	3.22797	5.3683	No change
NR_002899	Snora70	0.474632	1	1.29828	11.3454	27.2694	No change
NM_001164185	Lsr	0.474654	1	0.677475	16.0015	24.3791	No change
NM_133749	2900064A13Rik	0.47471	1	0.679277	28.9304	44.1327	No change
NM_028230	Shmt2	0.474724	1	0.696271	11.5238	17.7903	No change
NM_008160	Gpx1	0.474768	1	0.650151	40.8154	61.0052	No change
NR_015608	1810058I24Rik	0.474846	1	0.793975	11.7385	19.416	No change
NM_009950	Cradd	0.475006	1	0.914246	3.71696	6.70049	No change
NM_027905	1300018J18Rik	0.475123	1	0.674155	13.9091	21.1418	No change
NM_146168	Vopp1	0.475201	1	0.738346	6.35109	10.0995	No change
NM_016662	Mxd3	0.475378	1	0.776438	10.6229	17.3536	No change
NM_178690	Rab3gap1	0.475442	1	0.656948	9.34485	14.0339	No change
NM_001033284	BC026585	0.475566	1	1.15567	1.78423	3.84296	No change
NM_010509	Ifnar2	0.475791	1	0.826573	3.27294	5.54052	No change
NM_134005	Enpp3	0.475918	1	1.78371	0.247577	0.867102	No change
NM_001037745	Zfp791	0.476042	1	1.01076	1.70347	3.29401	No change
NM_021518	Rab2a	0.476341	1	0.604579	39.4373	57.0977	No change
NM_001199272	Gopc	0.476513	1	0.584901	26.492	37.8329	No change
NM_010156	Samd9l	0.476541	1	0.622002	11.7572	17.2304	No change
NM_016862	Vti1a	0.47656	1	0.755243	4.769	7.67457	No change
NM_001001892	H2-K1	0.476647	1	0.54001	206.581	285.943	No change
NM_133950	Kdelr1	0.476659	1	0.672858	22.1646	33.6594	No change
NM_010741	Ly6c1	0.477247	1	0.754774	19.4511	31.2913	No change
NM_019951	Sec11a	0.477661	1	0.637332	46.462	68.8239	No change
NM_172702	Serinc2	0.477802	1	0.700099	13.894	21.5067	No change
NM_009662	Alox5	0.478127	1	0.832284	3.45137	5.86619	No change
NM_008587	Mertk	0.478271	1	0.768993	4.1757	6.78531	No change
NM_001039644	Edem3	0.478563	1	0.628088	8.95962	13.1863	No change
NM_007687	Cfl1	0.478703	1	0.574339	124.553	176.567	No change
NM_019817	Copz1	0.478753	1	0.636348	31.9147	47.2423	No change
NM_001081383	Mll3	0.478846	1	0.552686	14.8211	20.6965	No change
NM_018882	Gpr56	0.478929	1	0.638257	14.6051	21.6484	No change
NM_025934	Riok2	0.478951	1	0.788085	4.0765	6.71426	No change
NM_172729	Nod1	0.478988	1	0.844248	2.1124	3.62111	No change
NM_021287	Spnb3	0.479093	1	0.744505	2.18346	3.48711	No change
NM_145531	Spg11	0.47918	1	0.608014	10.4744	15.2011	No change
NM_001013025	Tgfbra1	0.479351	1	0.696374	4.94571	7.63541	No change
NM_009870	Cdk4	0.479983	1	0.70136	19.5202	30.2418	No change
NM_173739	Galntf4	0.480178	1	0.741253	7.22641	11.5144	No change

NM_027215	Tmem147	0.480237	1	0.647833	53.8755	80.3927	No change
NM_011480	Srebf1	0.480243	1	0.584653	28.678	40.9471	No change
NR_027885	Vaultrc5	0.480338	1	0.936212	16.3627	29.9649	No change
NM_008173	Nr3c1	0.480507	1	0.632091	9.08464	13.4076	No change
NM_001163572	Tmem170b	0.480744	1	0.667247	5.2294	7.91002	No change
NM_029398	Tmem14a	0.480888	1	1.21007	1.75486	3.93817	No change
NM_028444	Prkcdbp	0.480911	1	0.889149	6.99646	12.385	No change
NM_031997	Tmem2	0.48093	1	0.755554	2.50882	4.03804	No change
NM_177025	Cobll1	0.481014	1	0.661606	7.94793	11.9747	No change
NM_009610	Actg2	0.481091	1	0.534957	358.481	494.457	No change
NM_177130	Glit28d2	0.481226	1	1.04277	1.29863	2.57052	No change
NM_133656	Crk	0.481247	1	0.611037	21.8441	31.7682	No change
NM_010017	Dag1	0.481591	1	0.602087	20.8368	30.1148	No change
NR_030711	2210403K04Rik	0.481626	1	0.822251	5.99849	10.1223	No change
NM_007862	Dlg1	0.481753	1	0.658932	8.94151	13.4464	No change
NM_001190357	Carkd	0.481768	1	0.700053	20.7051	32.0476	No change
NM_026840	Pdgfrl	0.481878	1	1.17994	1.40932	3.09081	No change
NM_025418	Vta1	0.481972	1	0.705284	19.4614	30.2335	No change
NM_028780	Tm9sf1	0.482077	1	0.637818	21.6059	32.0149	No change
NR_028574	Shhg8	0.482103	1	0.795885	16.0693	26.613	No change
NM_009524	Wnt5a	0.482209	1	0.832673	2.33234	3.96505	No change
NM_026246	Mrpl49	0.482259	1	0.71579	13.6391	21.3455	No change
NM_018773	Skap2	0.482333	1	0.665691	23.6845	35.786	No change
NM_009163	Sgpl1	0.482601	1	0.613902	18.7121	27.2677	No change
NM_183150	BC003965	0.482732	1	0.794864	4.21892	6.98199	No change
NM_001190408	Gas2l1	0.482844	1	0.617076	28.5132	41.6421	No change
NM_176996	Smo	0.482858	1	0.782882	3.48728	5.72234	No change
NM_001160404	Galnt1	0.482931	1	0.624763	16.9436	24.8784	No change
NM_021284	Kras	0.483043	1	0.659333	9.01382	13.5588	No change
NM_030729	Nckipsd	0.483091	1	0.867836	2.84114	4.95283	No change
NM_181404	Kank1	0.483167	1	0.64157	9.70033	14.4113	No change
NM_009670	Ank3	0.483417	1	0.715593	3.41161	5.33846	No change
NM_177298	Pisd	0.483546	1	0.620974	32.6746	47.8495	No change
NM_025811	Nhlrc2	0.483792	1	0.744733	4.73005	7.55502	No change
NM_008149	Gpam	0.483889	1	0.632449	15.639	23.0864	No change
NM_018831	Dclre1a	0.484158	1	0.741886	4.66777	7.44057	No change
NM_183170	Mpv17l2	0.484247	1	0.860098	8.97616	15.561	No change
NM_027879	Cdc40	0.484639	1	0.720447	10.9831	17.2449	No change
NM_018880	Trim3	0.484652	1	0.857674	2.94809	5.1019	No change
NR_001460	Rmrp	0.484852	1	0.523693	3310.54	4530.66	No change
NM_026077	3110040N11Rik	0.484884	1	0.923524	7.15633	12.9844	No change
NM_029920	Mtus2	0.485015	1	0.744068	2.50388	3.99738	No change
NM_008654	Ppp1r15a	0.485198	1	0.790987	5.70813	9.42026	No change
NM_145562	Parm1	0.48522	1	0.933283	2.80777	5.13039	No change
NM_013502	Ctbp1	0.485832	1	0.643063	23.2614	34.5939	No change
NM_013901	Slc39a1	0.48616	1	0.645111	22.2102	33.0778	No change
NM_008069	Gabrb1	0.486162	1	1.06805	1.76106	3.55095	No change
NM_008439	Khk	0.486211	1	0.949625	4.86665	8.99797	No change
NM_001166501	Dennd1b	0.48639	1	0.66932	4.74812	7.19222	No change
NR_024619	2610001J05Rik	0.486689	1	0.801911	6.91904	11.5073	No change
NM_027271	D3Erd751e	0.486757	1	0.711969	7.61545	11.8859	No change
NM_146201	Zfp553	0.486792	1	0.846571	3.56249	6.11623	No change
NM_008551	Mapkapk2	0.486846	1	0.642381	21.2038	31.5187	No change
NM_001110794	Anxa7	0.486852	1	0.632965	21.7149	32.0666	No change
NM_183195	Marveld1	0.487074	1	0.870089	2.67266	4.6663	No change
NM_009955	Dpysl2	0.487156	1	0.633991	13.8222	20.4261	No change
NM_015827	Copb2	0.487213	1	0.612189	28.01	40.7673	No change
NM_145548	Cyp2j13	0.48727	1	0.961852	1.17908	2.19936	No change
NM_001163489	Sema4a	0.487614	1	0.638243	19.082	28.2827	No change
NM_028705	Herc3	0.487726	1	0.740111	4.21488	6.71	No change
NM_001081473	Zxdb	0.487808	1	0.760546	3.01181	4.86437	No change
NM_008434	Kcnq1	0.488077	1	0.862316	2.85306	4.95355	No change
NM_011056	Pde4d	0.488077	1	0.862316	1.22598	2.12857	No change
NM_001001881	2510009E07Rik	0.488097	1	0.699981	5.56032	8.60546	No change
NM_021446	0610007P14Rik	0.488286	1	0.771749	13.174	21.4464	No change
NM_001130163	Oxr1	0.488321	1	0.571507	46.948	66.4213	No change
NM_130863	Adrbk1	0.48848	1	0.677512	11.433	17.4175	No change
NM_001128086	Anks1b	0.488707	1	1.01432	0.587916	1.13938	No change
NM_029022	Scrn3	0.488707	1	0.814295	3.58445	6.0139	No change
NM_010022	Dbt	0.48876	1	0.785725	4.29759	7.0657	No change
NM_011563	Prdx2	0.488763	1	0.65603	49.7173	74.6108	No change
NM_001190913	Kirrel3	0.489351	1	0.904627	2.19873	3.93501	No change
NM_138602	Praf2	0.489397	1	1.20696	1.67587	3.75027	No change
NM_001044383	Ubtf	0.489425	1	0.620478	17.384	25.4482	No change
NM_025424	Nenf	0.489443	1	0.766487	24.8903	40.3688	No change
NR_024068	Shhg7	0.489479	1	0.897231	9.67436	17.2221	No change

NM_018782	Calcl	0.489567	1	0.759095	3.6634	5.91059	No change
NM_013471	Anxa4	0.4896	1	0.662429	21.8508	32.9385	No change
NM_177712	Zfp874a	0.489705	1	0.821857	3.44163	5.80532	No change
NR_004432	Rnu12	0.489885	1	0.887084	50.6435	89.4994	No change
NM_001082476	Ndor1	0.48991	1	0.707401	5.72095	8.90021	No change
NM_001146324	Hps3	0.490099	1	0.795679	5.70079	9.4389	No change
NM_021890	Fads3	0.490117	1	0.734403	6.52372	10.3437	No change
NM_018815	Nup210	0.490252	1	0.64207	8.12341	12.0723	No change
NM_181414	Pik3c3	0.490259	1	0.778568	4.85289	7.9382	No change
NM_001123037	Eif4a2	0.490414	1	0.578364	78.5538	111.668	No change
NM_001039581	Abca3	0.491033	1	0.65873	7.297	10.9712	No change
NM_009159	Srsf5	0.491125	1	0.591592	87.2649	125.198	No change
NM_080455	Tshz2	0.491174	1	0.63983	11.6677	17.3124	No change
NM_013812	Cdk2ap1	0.491211	1	0.682666	28.3232	43.3043	No change
NM_029418	9130401M01Rik	0.491221	1	0.817613	8.85159	14.8855	No change
NM_138656	Mvd	0.491395	1	0.828453	6.13425	10.3956	No change
NM_207515	Mbnl2	0.491749	1	0.628287	15.7851	23.2335	No change
NM_153388	Lrfr4	0.491956	1	0.957736	1.83842	3.41862	No change
NM_009483	Kdm6a	0.492158	1	0.717196	4.80504	7.5268	No change
NR_002901	Snora68	0.492279	1	1.03442	39.1134	76.9189	No change
NM_010568	Insr	0.492428	1	0.617609	9.06641	13.2455	No change
NM_013820	Hk2	0.492459	1	0.60366	19.6015	28.3595	No change
NM_007635	Ccng2	0.49251	1	0.735576	8.63477	13.7019	No change
NM_016907	Spint1	0.492629	1	0.731305	9.83792	15.5642	No change
NM_144523	Zfp622	0.492815	1	0.823853	4.00305	6.76162	No change
NM_011072	Pfn1	0.493026	1	0.614265	104.059	151.666	No change
NM_007901	S1pr1	0.493044	1	1.069	1.10441	2.22791	No change
NM_017401	Polm	0.493232	1	1.00694	1.47725	2.84709	No change
NM_144832	BC017643	0.493289	1	0.742174	8.63816	13.771	No change
NM_001172121	Rbms3	0.493673	1	0.7169	3.47288	5.43886	No change
NM_009127	Scd1	0.493714	1	0.578214	39.0321	55.4796	No change
NM_001017429	Cox17	0.493739	1	0.903088	16.3043	29.1445	No change
NM_030718	Abo	0.493758	1	0.899455	4.07424	7.26384	No change
NM_133662	Ier3	0.493758	1	0.899455	6.6496	11.8554	No change
NM_025836	Plin3	0.493841	1	0.637691	29.5364	43.7596	No change
NM_010120	Eif1a	0.494037	1	0.610126	34.3502	49.922	No change
NM_080575	Acss1	0.494078	1	0.673726	11.2277	17.0588	No change
NM_019699	Fads2	0.494168	1	0.580437	120.022	170.861	No change
NM_153083	Thtpa	0.494466	1	0.746609	7.02085	11.2276	No change
NM_172448	Rnf43	0.495154	1	0.716613	6.06236	9.4922	No change
NM_001081361	Mosc1	0.495271	1	2.02075	0.225752	0.963414	No change
NM_172682	Fam160a1	0.495588	1	0.757493	4.19301	6.75699	No change
NM_207245	Zfp870	0.495825	1	0.864179	1.68442	2.92803	No change
NM_027862	Atp5h	0.495836	1	0.695711	56.3371	86.9246	No change
NM_021028	Tk2	0.495972	1	0.713539	11.2961	17.6486	No change
NM_010513	Igf1r	0.496147	1	0.595669	11.2935	16.2486	No change
NM_019920	Lamtor3	0.496505	1	0.837471	8.33225	14.2104	No change
NM_001081171	Lama5	0.49659	1	0.675574	3.56788	5.42782	No change
NM_001164082	Polr3d	0.496633	1	0.763358	8.7764	14.2016	No change
NM_009082	Rpl29	0.496658	1	0.58888	222.428	318.509	No change
NM_175352	Unc119b	0.4968	1	0.642623	17.0071	25.2835	No change
NM_133772	Ssbp4	0.496972	1	0.7902	9.82789	16.2077	No change
NM_027244	Ndufa11	0.497061	1	0.784462	5.68334	9.33471	No change
NM_001013441	Ric8b	0.497185	1	0.803213	4.55196	7.57643	No change
NM_028787	Slc35f5	0.497214	1	0.8215	4.50844	7.60205	No change
NM_009565	Zbtb7b	0.497315	1	0.7502	5.3639	8.59935	No change
NM_013769	Tjp3	0.497503	1	0.795493	4.62167	7.65044	No change
NM_001083934	Myom1	0.497632	1	0.85082	1.83437	3.15832	No change
NM_173751	Ilvbl	0.497658	1	0.820124	5.08708	8.5693	No change
NM_028410	Prkrr	0.497758	1	0.666396	13.2662	20.0525	No change
NM_172120	Vps41	0.497847	1	0.725734	7.69522	12.1261	No change
NM_178928	Afap1l1	0.497982	1	0.788536	4.34173	7.15167	No change
NM_145570	Fam176a	0.498034	1	1.17614	1.30083	2.8424	No change
NM_013909	Fbxl6	0.498035	1	0.891462	4.51337	8.00004	No change
NM_001109992	Ptpn11	0.498318	1	0.616729	16.9409	24.7338	No change
NM_016863	Fkbp1b	0.49838	1	1.23724	1.92011	4.39537	No change
NM_001177854	Asph	0.498527	1	0.707905	11.6478	18.1259	No change
NM_022883	Lpin3	0.498638	1	0.876604	2.42812	4.25826	No change
NM_011845	Mid2	0.498875	1	0.768563	2.92154	4.74481	No change
NM_024257	Hdhd3	0.499035	1	0.930143	5.85601	10.6725	No change
NM_025654	Rdm1	0.499035	1	0.930143	5.77601	10.5267	No change
NM_008993	Pxmp2	0.499216	1	0.868742	8.68597	15.1473	No change
NM_019929	Sumo3	0.499363	1	0.659581	20.4634	30.784	No change
NM_007801	Ctsh	0.499389	1	0.730709	14.6858	23.2226	No change
NM_025301	Mrpl17	0.499516	1	0.717243	4.02873	6.31059	No change
NM_145573	Mrps35	0.500175	1	0.859282	8.81776	15.2732	No change

NM_030226	9130019O22Rik	0.500752	1	0.811292	3.30673	5.5352	No change
NM_029862	5930434B04Rik	0.500779	1	0.802926	8.45157	14.0635	No change
NM_001160222	Pum2	0.500918	1	0.621384	15.573	22.8104	No change
NM_011906	Tpra1	0.501002	1	0.852851	5.37272	9.26335	No change
NM_015800	Crim1	0.501021	1	0.712757	4.77795	7.46051	No change
NM_026353	Slc48a1	0.501115	1	0.661969	20.0305	30.1829	No change
NR_034048	Snora81	0.501295	1	0.85082	60.7688	104.622	No change
NM_053185	Col4a6	0.501361	1	0.765932	2.70469	4.38435	No change
NM_024198	Gpx7	0.501861	1	0.994015	3.90372	7.45112	No change
NM_145628	Usp11	0.501919	1	0.829682	3.29955	5.59572	No change
NR_027886	A930013F10Rik	0.502087	1	0.887346	3.33377	5.8913	No change
NM_008483	Lamb2	0.502181	1	0.659641	9.39318	14.131	No change
NM_022410	Myh9	0.502462	1	0.582464	28.5447	40.6923	No change
NM_015792	Fbxo18	0.502647	1	0.647316	17.8893	26.6816	No change
NM_001113375	Mocs2	0.502943	1	0.805733	8.09122	13.4903	No change
NM_173182	Fndc3b	0.503024	1	0.622086	13.6243	19.9657	No change
NM_175184	Fam125b	0.503047	1	0.798042	2.86027	4.74295	No change
NR_002863	Emx2os	0.503212	1	1.00196	0.915734	1.75797	No change
NM_138742	Nap1l3	0.503294	1	1.05836	1.28284	2.56669	No change
NM_001013786	Zfp187	0.503619	1	0.632322	20.0171	29.5441	No change
NM_053075	Rheb	0.503746	1	0.696885	22.7728	35.1639	No change
NM_175403	Mlec	0.503866	1	0.560006	72.3626	101.559	No change
NM_134127	Cyp4f15	0.50444	1	0.941902	2.87528	5.28419	No change
NM_019963	Stat2	0.504842	1	0.765932	4.20315	6.81312	No change
NM_172827	Lnpep	0.504962	1	0.639885	13.9897	20.7572	No change
NM_010914	Nfyb	0.504985	1	0.755913	7.86503	12.6591	No change
NM_011699	Lin7c	0.505253	1	0.617134	25.6967	37.5271	No change
NM_176832	Spire1	0.505357	1	0.662844	11.0812	16.7075	No change
NM_018753	Ywhab	0.505364	1	0.650687	22.4273	33.5283	No change
NM_144900	Atp1a1	0.505702	1	0.577744	71.2595	101.251	No change
NM_001109991	Col18a1	0.506177	1	0.6729	8.33393	12.654	No change
NM_178410	Marveld2	0.506243	1	0.875406	4.0177	7.03897	No change
NM_001031811	Kcnh8	0.506377	1	1.23315	0.935476	2.13377	No change
NM_001037719	Btla	0.506377	1	1.23315	0.603216	1.3759	No change
NM_053177	Mcoln1	0.506467	1	0.913261	3.5856	6.45473	No change
NM_145413	Fam20b	0.506595	1	0.592141	43.2826	62.1183	No change
NM_011965	Psma1	0.506669	1	0.656794	46.3694	69.6172	No change
NM_133806	Uap1	0.506719	1	0.681426	18.6519	28.49	No change
NM_199308	Mast3	0.50728	1	0.743702	4.25945	6.79686	No change
NM_025348	Ndufa3	0.507323	1	0.779307	48.5255	79.402	No change
NM_001166385	Sp4	0.507351	1	0.741378	4.02633	6.41436	No change
NM_010117	Rhbdf1	0.50772	1	0.810305	4.60035	7.69451	No change
NM_001081345	Chd2	0.508113	1	0.610241	14.0984	20.4902	No change
NM_027420	2610034B18Rik	0.508528	1	0.848921	4.81851	8.28357	No change
NM_001005509	Eif2a	0.509103	1	0.827551	5.27472	8.93093	No change
NM_029745	Tbc1d9b	0.509199	1	0.675254	9.09038	13.8251	No change
NM_001164352	Efemp2	0.509756	1	0.897721	4.42125	7.87024	No change
NM_009047	Rem1	0.510047	1	0.804072	8.95617	14.9135	No change
NM_009272	Srm	0.510262	1	0.954377	4.46077	8.2711	No change
NM_011655	Tubb5	0.510332	1	0.610878	49.8785	72.5238	No change
NM_011883	Rnf13	0.51046	1	1.03857	3.62203	7.1405	No change
NM_019411	Ppp2ca	0.510478	1	0.652401	33.7993	50.5885	No change
NM_001111025	Pigx	0.510656	1	0.860874	10.0573	17.437	No change
NM_021355	Fmod	0.510787	1	0.783706	5.87478	9.64244	No change
NM_027984	Epn3	0.510833	1	0.858758	2.58388	4.47307	No change
NM_023196	Pla2g12a	0.511094	1	0.701638	23.0652	35.7324	No change
NM_011895	Slc35a1	0.511171	1	0.756007	10.3907	16.7242	No change
NM_030601	Cla2	0.511948	1	0.750321	6.10338	9.78432	No change
NM_023645	Kdelc1	0.512364	1	0.936317	2.81891	5.15882	No change
NM_001039677	Slc30a2	0.512788	1	0.841942	7.68045	13.1373	No change
NM_010227	Flna	0.512971	1	0.565207	59.5233	83.8407	No change
NM_133991	Ftsj1	0.513175	1	0.775376	5.33126	8.69876	No change
NM_024461	1810037117Rik	0.513235	1	0.736125	26.2777	41.7064	No change
NM_027739	B4galnt1	0.513322	1	0.713317	14.1348	22.0774	No change
NM_201601	Fgfr2	0.513345	1	0.692192	8.33847	12.8325	No change
NM_178119	Agap1	0.513392	1	0.673072	5.33917	8.10749	No change
NM_012037	Vat1	0.513862	1	0.654047	24.464	36.6575	No change
NM_009988	Cxadr	0.51388	1	0.862793	5.75077	9.98363	No change
NM_008909	Ppl	0.514005	1	0.728638	4.41896	6.97666	No change
NM_001005859	Rpl34	0.514018	1	0.860668	25.0756	43.4665	No change
NM_001199350	Rpl34-ps1	0.514018	1	0.860668	24.4685	42.414	No change
NM_026850	Pdcl3	0.514049	1	0.909924	4.45283	7.99548	No change
NM_016847	Avpr1a	0.514051	1	1.22933	0.756681	1.72019	No change
NM_001077237	BC003331	0.514164	1	0.686513	13.8899	21.2908	No change
NM_011692	Vbp1	0.5142	1	0.809414	8.8803	14.8425	No change
NM_001199967	Gm11127	0.51429	1	0.913556	5.54847	9.98877	No change

NM_011544	Tcf12	0.51442	1	0.653958	14.3324	21.4748	No change
NM_198168	Ppp2r5b	0.514443	1	0.750969	8.36418	13.4144	No change
NM_001111282	Hmg1l1	0.51449	1	0.782556	13.6013	22.3051	No change
NM_030561	BC004004	0.51453	1	0.719482	10.867	17.0468	No change
NM_133688	Lyrn5	0.514688	1	0.741409	17.8506	28.4367	No change
NM_010459	Hoxb4	0.514877	1	0.781913	6.84436	11.2191	No change
NM_001164659	Trank1	0.515051	1	0.57622	34.3099	48.6978	No change
NM_028295	Pdia5	0.515237	1	0.733286	14.8324	23.4938	No change
NM_001010930	Mrps33	0.515337	1	0.815415	14.684	24.647	No change
NR_003513	Neat1	0.515472	1	0.577773	109.464	155.536	No change
NM_013759	Sepr1	0.515478	1	0.845467	12.6643	21.7156	No change
NM_033074	Tars	0.515844	1	0.696288	15.0702	23.2585	No change
NM_007952	Pdia3	0.515876	1	0.608935	58.35	84.7253	No change
NM_026609	Leprotl1	0.515929	1	0.747351	9.16658	14.6637	No change
NM_027251	2010107G23Rik	0.516186	1	1.03985	2.37544	4.68653	No change
NM_001033872	Smagp	0.516263	1	0.803515	15.7795	26.2632	No change
NM_010880	Ncl	0.516347	1	0.616803	15.9778	23.3275	No change
NM_001163243	Fis1	0.516484	1	0.72461	31.1051	48.969	No change
NM_175666	Hist2h2bb	0.516634	1	0.821828	26.8593	45.288	No change
NM_001042779	Sema3b	0.516692	1	0.746797	7.25397	11.5995	No change
NM_033073	Krt7	0.516693	1	0.878751	5.80042	10.1847	No change
NM_181325	Slc25a15	0.51679	1	0.889538	2.50128	4.4259	No change
NM_182996	Zfp692	0.51693	1	0.820606	6.86559	11.5661	No change
NM_021455	Mixipl	0.516966	1	0.895431	2.64072	4.69237	No change
NM_198004	5133401N09Rik	0.517056	1	0.864683	6.64182	11.5455	No change
NM_001205391	Atg16l1	0.51707	1	0.770096	6.18032	10.0462	No change
NM_030035	Golgb1	0.517195	1	0.57874	32.3148	45.9462	No change
NM_011122	Plod1	0.517275	1	0.809	4.47904	7.48375	No change
NM_013835	Trove2	0.517328	1	0.698817	4.49967	6.95681	No change
NM_172563	Hlf	0.517348	1	0.832878	2.17752	3.70043	No change
NM_013589	Ltbp2	0.517378	1	0.713799	5.04517	7.88255	No change
NM_001011732	Xkr7	0.517468	1	1.02222	1.64528	3.20424	No change
NM_153153	Svil	0.51753	1	0.665029	8.10143	12.2327	No change
NM_133869	Cept1	0.517707	1	0.727229	10.5055	16.5691	No change
NM_021297	Tlr4	0.517899	1	0.911896	1.9933	3.58395	No change
NM_026176	Pdcl	0.518087	1	0.711392	12.0463	18.7892	No change
NM_013778	Akr1c13	0.518554	1	0.952919	5.03464	9.3235	No change
NM_001190448	Ddc	0.518629	1	1.05029	1.96853	3.91328	No change
NM_008453	Kif3	0.518958	1	0.784837	7.64996	12.565	No change
NM_026618	Ccdc56	0.518973	1	0.723795	42.5146	66.8916	No change
NM_008640	Laptn4a	0.519062	1	0.615692	67.0087	97.7558	No change
NM_029878	Tbcd	0.519185	1	0.823513	3.4027	5.74401	No change
NM_029657	Mgrn1	0.519245	1	0.714628	10.7271	16.7695	No change
NM_001199494	Ei24	0.519796	1	0.701378	17.5954	27.2522	No change
NM_025371	Acy1	0.520131	1	0.868742	6.96442	12.1408	No change
NM_009657	Aldoc	0.520288	1	0.787627	10.2779	16.9143	No change
NM_001159331	N6amt1	0.520826	1	0.940207	4.05732	7.44467	No change
NM_022314	Tpm3	0.520866	1	0.6493	42.1768	62.9879	No change
NM_010344	Gsr	0.520878	1	0.77682	7.17274	11.7144	No change
NM_009256	Serpnb9	0.521207	1	0.709872	10.6478	16.5899	No change
NM_025760	Ptplad2	0.521393	1	0.910321	3.76989	6.77014	No change
NM_018730	Rpl36	0.521394	1	0.67059	144.18	218.548	No change
NM_007537	Bcl2l2	0.521551	1	0.681043	14.7803	22.5682	No change
NM_026559	Txndc17	0.521922	1	0.775203	13.5434	22.0933	No change
NM_028036	Tmco6	0.521948	1	1.13053	1.61273	3.40167	No change
NM_011175	Lgmn	0.522239	1	0.650866	42.4331	63.4399	No change
NM_001122830	Kihl26	0.522386	1	0.802128	5.50589	9.15422	No change
NM_001034963	Sorbs1	0.52279	1	0.673532	10.8108	16.4206	No change
NM_133753	Errfi1	0.522809	1	0.685761	16.2109	24.8343	No change
NM_138756	Slc25a36	0.522828	1	0.661498	22.2671	33.5384	No change
NM_030708	Zfx4	0.522998	1	0.800415	1.1654	1.93526	No change
NM_173444	Nbeal1	0.523068	1	0.64774	6.99922	10.4414	No change
NM_172803	Dock4	0.523286	1	0.868379	1.26165	2.19868	No change
NM_175236	Adhfe1	0.523594	1	0.89053	2.84189	5.03154	No change
NM_025901	Polr3k	0.52393	1	0.75876	7.8497	12.6574	No change
NM_198866	Dbpht2	0.524059	1	0.899261	2.83891	5.05773	No change
NM_001033375	A230046K03Rik	0.524149	1	0.724888	5.42506	8.54188	No change
NM_001160411	Gstm4	0.524204	1	0.849092	7.90234	13.5834	No change
NM_023603	Sfpq	0.524399	1	0.655076	22.0588	33.0757	No change
NM_033080	Nudt19	0.524583	1	0.784478	9.64533	15.8373	No change
NM_008098	Mtpn	0.524708	1	0.634967	26.9323	39.8207	No change
NM_009338	Acat2	0.524737	1	0.607964	92.9239	134.833	No change
NM_001081133	Kif16b	0.524913	1	0.631896	21.2599	31.3665	No change
NM_016891	Ppp2r1a	0.524942	1	0.699607	18.7825	29.0537	No change
NM_144784	Acat1	0.525017	1	0.661948	20.724	31.2236	No change
NM_007826	Dach1	0.525498	1	0.83656	2.42758	4.13571	No change

NM_001003908	Cltc	0.525594	1	0.575751	87.4338	124.057	No change
NM_008908	Ppic	0.526006	1	1.01656	3.68516	7.1456	No change
NM_010511	Ifngr1	0.526398	1	0.722763	15.8378	24.8994	No change
NM_183142	Alg11	0.526767	1	0.854335	7.58848	13.0921	No change
NM_145930	AW549877	0.526796	1	0.664158	13.6535	20.6025	No change
NM_173440	Nrip1	0.526875	1	0.66291	15.6344	23.571	No change
NM_173378	Trp53bp2	0.52692	1	0.790533	4.11459	6.78482	No change
NM_011763	Zfp9	0.526946	1	0.892387	2.29288	4.06468	No change
NM_145608	BC021891	0.527176	1	0.729548	5.48532	8.66486	No change
NM_029037	4930444A02Rik	0.527472	1	0.844248	3.38691	5.80149	No change
NM_010390	H2-Q1	0.527959	1	0.821247	7.09325	11.9533	No change
NM_177741	Ppp1r3b	0.528015	1	0.794055	4.17926	6.90854	No change
NM_207634	Rps24	0.528191	1	0.657373	94.0064	141.18	No change
NM_011797	Car14	0.528343	1	1.13016	1.84418	3.88776	No change
NM_031375	Ngrn	0.528359	1	0.800067	12.7674	21.1949	No change
NM_008091	Gata3	0.528694	1	0.914085	2.4929	4.48833	No change
NM_001033389	Fubp3	0.528783	1	0.765527	6.01894	9.75129	No change
NM_173014	Lpcat2	0.529448	1	1.30289	0.597368	1.43582	No change
NM_175353	Exoc6	0.529571	1	0.881194	3.57007	6.2781	No change
NM_007853	Degs1	0.529692	1	0.706945	20.4734	31.8315	No change
NM_001042489	Hvcn1	0.529714	1	0.711664	13.9787	21.8057	No change
NM_021296	Grpel2	0.530426	1	0.782978	4.85749	7.96692	No change
NM_010738	Ly6a	0.530442	1	0.701858	53.1114	82.2822	No change
NM_183319	Xkrx	0.530905	1	0.819471	5.16513	8.69285	No change
NM_007868	Dmd	0.531024	1	0.7494	1.92194	3.07853	No change
NM_194061	D630045J12Rik	0.531033	1	0.684245	5.05067	7.72882	No change
NM_001164724	Ii33	0.531057	1	0.835634	5.18265	8.82284	No change
NM_007913	Egr1	0.531226	1	0.978925	1.88298	3.55216	No change
NM_145612	Zfp810	0.531342	1	0.791927	5.68219	9.3785	No change
NM_011204	Ptpn13	0.531676	1	0.671145	8.11205	12.3003	No change
NM_013607	Myh11	0.531838	1	0.610942	32.1773	46.7854	No change
NM_001164325	Trpm7	0.532316	1	0.642246	15.3008	22.7375	No change
NM_178364	Zfp369	0.532386	1	0.875945	3.57088	6.25575	No change
NM_019861	Ctsf	0.532414	1	0.854211	5.9636	10.287	No change
NM_016677	Hpcal1	0.532635	1	0.811397	10.224	17.1084	No change
NM_001113564	Serbp1	0.532662	1	0.638527	17.6976	26.2311	No change
NM_023665	D4Wsu53e	0.533078	1	0.671544	48.1694	73.0594	No change
NM_011498	Bhlhe40	0.53323	1	0.697423	15.4251	23.8227	No change
NM_010726	Phyh	0.53338	1	0.83862	8.9362	15.2446	No change
NM_145398	Casd1	0.533438	1	0.765932	6.20934	10.0622	No change
NM_007898	Ebp	0.53364	1	0.735825	17.9336	28.4525	No change
NM_025783	Vps24	0.533706	1	0.672436	26.1886	39.7454	No change
NM_011526	Tagln	0.533837	1	0.700985	29.1779	45.1749	No change
NM_008650	Mut	0.53442	1	0.742488	8.00284	12.7563	No change
NM_001081079	Ogfr1	0.534614	1	0.907851	1.76966	3.17161	No change
NM_019719	Stub1	0.53464	1	0.674903	39.6816	60.3267	No change
NM_007923	Elk4	0.534697	1	0.716835	10.5555	16.525	No change
NM_178661	Creb3l2	0.534894	1	0.69745	14.7662	22.8052	No change
NM_001193309	Morc4	0.535236	1	0.85082	2.98587	5.13791	No change
NM_212445	Kdelc2	0.535236	1	0.85082	3.36607	5.79214	No change
NM_029057	Tbc1d30	0.5355	1	0.757399	4.51566	7.27364	No change
NM_176849	Arglu1	0.53555	1	0.678684	37.1669	56.6528	No change
NM_025385	Prr13	0.535605	1	0.793257	15.3109	25.2933	No change
NM_183146	A530054K11Rik	0.535697	1	0.773267	4.30619	7.01414	No change
NM_175364	Lymr2	0.535743	1	0.754527	19.9123	32.0091	No change
NM_021462	Mknk2	0.536076	1	0.651376	32.2796	48.274	No change
NM_011933	Decr2	0.536089	1	0.791927	9.31051	15.3663	No change
NM_028264	Tmem55a	0.536089	1	0.791927	8.37538	13.8229	No change
NM_001199307_2	Gm14435	0.536439	1	0.805733	15.2125	25.353	No change
NM_175499	Slitrk6	0.536469	1	1.29606	0.410732	0.981583	No change
NM_177574	Vps37d	0.536469	1	1.29606	1.35169	3.23032	No change
NM_013594	Mbd1	0.536608	1	0.740919	11.4242	18.1896	No change
NM_007863	Mpp3	0.536717	1	0.897776	3.23128	5.74933	No change
NM_021554	Mettl9	0.536742	1	0.735654	17.7004	28.0784	No change
NM_145445	Eif2b2	0.536976	1	0.82856	9.2156	15.6087	No change
NM_028464	Mocs1	0.536987	1	0.900611	3.42666	6.10929	No change
NM_001025439	Camk2d	0.537017	1	0.771073	5.34977	8.70042	No change
NM_001033441	Alg10b	0.537044	1	0.742473	8.09687	12.9058	No change
NM_010736	Ltbr	0.537118	1	0.748511	13.5921	21.7569	No change
NM_001168253	Fam83h	0.53755	1	0.760546	5.60924	9.055	No change
NM_001111059	Cd34	0.537723	1	0.716095	15.4223	24.1312	No change
NM_027078	Ikbip	0.537758	1	0.864827	9.19834	15.9858	No change
NM_027462	Wars2	0.537821	1	0.932408	1.73121	3.15762	No change
NM_020276	Nelf	0.53789	1	0.682139	21.852	33.3888	No change
NM_181070	Rab18	0.538008	1	0.723815	16.4583	25.8918	No change
NM_176999	Atp10b	0.538091	1	0.645312	16.6161	24.7444	No change

NM_145828	Xylt2	0.538096	1	0.844668	3.80624	6.52073	No change
NM_021053	Slc46a2	0.538158	1	0.877155	5.10856	8.95645	No change
NM_030678	Gys1	0.538158	1	0.877155	2.85891	5.0123	No change
NM_001039115	Zkscan4	0.5383	1	1.25136	0.842825	1.94596	No change
NM_024254	2410042D21Rik	0.538345	1	0.840371	4.66553	7.96847	No change
NM_178406	Gpr153	0.538439	1	0.838995	3.59813	6.13937	No change
NM_007437	Aldh3a2	0.53847	1	0.646559	36.0596	53.7458	No change
NM_145384	Pqlc2	0.538557	1	0.884032	4.93673	8.69768	No change
NM_023523	Pecr	0.538722	1	1.01293	4.29332	8.29988	No change
NM_010023	Eci1	0.538758	1	0.916091	7.66558	13.8186	No change
NM_172308	Mthfd11	0.539287	1	0.755781	7.24762	11.6605	No change
NM_153582	Cmtm4	0.539456	1	0.812901	12.7788	21.4046	No change
NM_023628	Anxa9	0.539487	1	0.795202	10.3054	17.047	No change
NM_018798	Ubqln2	0.539521	1	0.788814	6.05388	9.96917	No change
NM_010431	Hif1a	0.539525	1	0.687989	12.384	18.9995	No change
NM_181419	Zfp599	0.539862	1	1.14702	0.818999	1.74757	No change
NM_010176	Fah	0.540205	1	0.8222	9.81157	16.5427	No change
NM_030026	Mccc2	0.540271	1	0.743805	14.4701	23.0853	No change
NM_028130	Zfp157	0.540338	1	0.857401	2.28631	3.95229	No change
NM_146230	Acaa1b	0.540596	1	0.870401	6.68117	11.6569	No change
NM_019478	Pqbp1	0.540724	1	0.841915	12.7672	21.8288	No change
NM_008070	Gabrb2	0.540732	1	2.36178	0.0276852	0.171112	No change
NR_029744	Mir29a	0.540732	1	2.36178	2.3759	14.6845	No change
NM_016802	Rhoa	0.540783	1	0.667345	38.4524	58.1487	No change
NM_027121	Vkorc11l	0.540797	1	0.840531	12.273	20.9632	No change
NM_177086	Zmat4	0.540802	1	0.9303	1.86782	3.40144	No change
NM_016697	Gpc3	0.540823	1	0.818116	7.09835	11.9335	No change
NM_001042613	Sepp1	0.541684	1	0.637538	71.5625	105.992	No change
NM_028099	Dusp11	0.54189	1	0.66744	12.9117	19.5266	No change
NM_011825	Grem2	0.541964	1	1.21622	0.614117	1.38023	No change
NM_009752	Glb1	0.54204	1	0.752788	12.1437	19.4961	No change
NM_001081264	Alg6	0.542082	1	0.938128	2.4171	4.42642	No change
NM_001122820	Ap3m2	0.542532	1	0.76278	7.51807	12.155	No change
NM_010498	Ids	0.542841	1	0.759495	5.42461	8.75007	No change
NM_145836	6430527G18Rik	0.542879	1	0.85729	2.99991	5.18529	No change
NM_008064	Gaa	0.542883	1	0.7178	11.1887	17.5272	No change
NM_026213	Ttc33	0.542955	1	0.791309	11.0944	18.3012	No change
NM_009775	Tspo	0.543131	1	0.924699	9.52579	17.2768	No change
NM_010301	Gna11	0.543187	1	0.678839	21.7283	33.1224	No change
NM_001033337	Ttc38	0.543209	1	0.784906	5.72259	9.39733	No change
NM_012053	Rpl8	0.544145	1	0.626725	226.057	332.304	No change
NM_001001493	BC056474	0.544202	1	0.885036	14.8559	26.1898	No change
NM_009542	Zfp101	0.544268	1	1.00138	2.01602	3.86425	No change
NM_011743	Zfp106	0.544281	1	0.619517	25.8658	37.8325	No change
NM_145571	Mobkl1b	0.544311	1	0.735775	22.3089	35.3899	No change
NM_148948	Dicer1	0.544496	1	0.6665	8.93535	13.5041	No change
NM_146231	Zfp825	0.544574	1	1.08738	2.7212	5.55433	No change
NM_172661	Prrc2b	0.544745	1	0.670297	9.71265	14.7177	No change
NM_172787	L3mbtl3	0.544827	1	0.786098	6.31343	10.3761	No change
NM_144908	Galnt11	0.545032	1	0.798353	7.65224	12.6856	No change
NM_009760	Bnip3	0.545274	1	0.741707	18.8123	29.9674	No change
NM_176837	Arhgap18	0.545516	1	0.761553	7.49739	12.1108	No change
NM_007404	Adam9	0.545616	1	0.693188	14.9529	23.0236	No change
NM_133206	Znrf1	0.545968	1	0.689735	11.3022	17.3605	No change
NM_010890	Nedd4	0.546126	1	0.627922	36.1404	53.1703	No change
NM_011018	Sqstm1	0.546442	1	0.634741	84.9905	125.634	No change
NM_009938	Copa	0.546589	1	0.644764	29.5996	44.061	No change
NM_023913	Ern1	0.546593	1	0.682569	17.7212	27.0841	No change
NM_019819	Dusp14	0.546629	1	1.18786	1.787	3.93034	No change
NM_026210	Fam18b	0.546841	1	0.709799	27.7895	43.2881	No change
NM_145469	Nipal2	0.547538	1	0.817462	4.44577	7.47001	No change
NM_139061	Vps54	0.547664	1	0.729623	8.20874	12.9656	No change
NM_001110211	Anxa6	0.547674	1	0.682399	27.1599	41.5046	No change
NM_134032	Hoxb2	0.547692	1	0.914755	5.4334	9.78367	No change
NM_008139	Gnaq	0.547792	1	0.730869	6.77879	10.7164	No change
NM_026313	Luc7l3	0.548232	1	0.656962	33.7469	50.6632	No change
NM_011716	Wfs1	0.548305	1	0.777702	6.70726	10.958	No change
NM_009077	Rpl18	0.548535	1	0.696552	87.1418	134.489	No change
NM_001081642	Xlr4a	0.548598	1	0.737587	30.0189	47.6798	No change
NM_001177556	Gng12	0.548691	1	0.703132	12.9283	20.0446	No change
NM_001024622	Pcnp	0.54881	1	0.681885	32.4068	49.5045	No change
NM_001130408	Arf1	0.548823	1	0.624963	115.233	169.183	No change
NM_029436	Kihl24	0.548898	1	0.658123	16.4873	24.7718	No change
NM_007392	Acta2	0.548959	1	0.634137	102.66	151.689	No change
NM_172468	Snx30	0.549148	1	0.751981	4.11269	6.59861	No change
NM_010684	Lamp1	0.549666	1	0.605397	191.215	276.944	No change

NM_001105245	Pcdh19	0.549764	1	1.28378	0.182797	0.432392	No change
NM_009450	Tubb2a	0.54983	1	0.758399	18.128	29.2167	No change
NM_010466	Hoxc8	0.549842	1	1.02334	2.14757	4.182	No change
NM_194334	Tbc1d2b	0.550046	1	0.760804	4.80357	7.75497	No change
NM_008514	Lrp6	0.550506	1	0.667396	10.2389	15.4834	No change
NM_010680	Lama3	0.550601	1	0.867215	1.17256	2.04086	No change
NM_001161770	Lmo4	0.55084	1	0.870928	7.64868	13.3478	No change
NM_019992	Stap1	0.550994	1	0.898126	8.77297	15.6095	No change
NM_145070	Hip1r	0.551316	1	0.676237	19.0577	28.9975	No change
NM_148933	Slco4a1	0.551338	1	0.900746	3.18325	5.67444	No change
NM_025442	Alg5	0.551354	1	0.919586	5.96962	10.7857	No change
NM_172758	Slc38a7	0.551669	1	0.88097	3.39758	5.97164	No change
NM_009142	Cx3cl1	0.551805	1	0.795493	6.69655	11.0781	No change
NM_175122	Rab39b	0.551813	1	1.16448	0.849914	1.83641	No change
NM_009806	Cask	0.551921	1	0.815589	2.1605	3.62519	No change
NM_011528	Taldo1	0.551965	1	0.79488	16.604	27.4561	No change
NM_008422	Kcnc3	0.552022	1	1.03139	0.978679	1.91689	No change
NM_025549	Arrdc4	0.552022	1	1.03139	4.51066	8.83481	No change
NM_016775	Dnajc5	0.552023	1	0.681837	21.0558	32.1633	No change
NM_020486	Bcam	0.552104	1	0.739767	15.0562	23.9502	No change
NM_031402	Crispld1	0.552221	1	0.971836	1.65273	3.10031	No change
NR_024329	2900097C17Rik	0.55235	1	0.622192	55.5191	81.3543	No change
NM_001177965	Naa10	0.552351	1	0.853792	12.7374	21.9588	No change
NM_175141	1810030O07Rik	0.552382	1	0.812199	7.15355	11.9745	No change
NM_027106	Avpi1	0.552449	1	0.856882	13.4959	23.3174	No change
NM_134188	Acot2	0.552484	1	0.926228	3.86831	7.02232	No change
NM_001081237	Klhdc5	0.55263	1	0.748263	5.05913	8.09574	No change
NM_178403	Pus7	0.552748	1	0.809783	5.68664	9.5027	No change
NM_025392	Bccip	0.552756	1	0.863448	10.1402	17.6015	No change
NM_133976	Imp3	0.552848	1	0.780514	26.9779	44.1606	No change
NM_145624	Zfp709	0.553041	1	0.824348	4.22541	7.13395	No change
NM_001170953	Rnmt	0.553382	1	0.779171	5.09422	8.3309	No change
NM_145615	Etfa	0.553473	1	0.819569	11.9487	20.1054	No change
NM_024469	Bhlhe41	0.553862	1	0.816001	12.7027	21.32	No change
NM_001008700	Il4ra	0.55391	1	0.712455	10.0695	15.714	No change
NM_016920	Atp6v0a1	0.553946	1	0.74156	9.06008	14.43	No change
NM_133955	Rhou	0.554207	1	0.755155	9.33517	15.0106	No change
NM_001162494	Fzd6	0.554414	1	0.714759	12.2787	19.1923	No change
NM_007620	Cbr1	0.554474	1	0.768917	25.4015	41.2416	No change
NM_145451	Gpx6	0.554785	1	0.791367	17.727	29.2397	No change
NM_023173	Dusp12	0.554811	1	0.968314	4.97082	9.30043	No change
NM_177420	Psat1	0.554986	1	0.730737	19.0918	30.1773	No change
NM_027908	Amdhd1	0.555327	1	1.50617	0.431803	1.21579	No change
NM_178603	Mrpl50	0.55533	1	0.805733	9.44483	15.7373	No change
NM_028626	Mcee	0.555491	1	0.91064	13.6182	24.4461	No change
NM_016769	Smad3	0.555523	1	0.741886	7.21575	11.495	No change
NM_001164598	Irf2bp2	0.55578	1	0.738487	8.44623	13.4232	No change
NM_013464	Ahr	0.55598	1	0.896263	1.89011	3.35826	No change
NM_033474	Arvcf	0.556188	1	0.781279	5.36795	8.79137	No change
NM_027307	Golm1	0.556245	1	0.732538	11.1531	17.6513	No change
NM_025813	Mfsd1	0.556355	1	0.811467	6.41231	10.7277	No change
NM_207215	Mycbp2	0.556361	1	0.598613	49.3839	71.1877	No change
NM_013680	Syn1	0.556501	1	1.03255	1.56175	3.06112	No change
NM_053015	Mlph	0.556523	1	0.844063	3.31057	5.66771	No change
NM_138584	Spg21	0.556565	1	0.809912	7.20247	12.0363	No change
NM_013477	Atp6v0d1	0.556727	1	0.702092	37.885	58.6937	No change
NM_177429	Ofd1	0.556862	1	0.771234	6.16641	10.0278	No change
NM_178027	Vps26b	0.556888	1	0.690927	10.5254	16.1799	No change
NM_001163675	Abcc4	0.557317	1	0.723908	8.10298	12.7466	No change
NM_026345	Mansc1	0.557426	1	1.1285	1.40794	2.96108	No change
NM_181278	B230219D22Rik	0.557482	1	0.699337	13.8427	21.4046	No change
NR_003965	Gm10653	0.557495	1	0.766562	23.4761	38.0515	No change
NM_023053	Twsg1	0.557554	1	0.694918	16.997	26.201	No change
NM_024479	Wbscr27	0.557772	1	0.787187	8.50338	13.9843	No change
NM_172733	Dera	0.557952	1	0.909384	5.73893	10.2923	No change
NM_009805	Cflar	0.557985	1	0.871741	6.11281	10.6726	No change
NM_010387	H2-DMb1	0.557985	1	0.871741	9.6072	16.7736	No change
NM_198012	Trim68	0.557986	1	0.813484	7.96407	13.3425	No change
NM_011385	Ski	0.558285	1	0.71156	10.049	15.6718	No change
NM_001111022	Runx1	0.558631	1	0.832442	2.94442	4.99941	No change
NM_025409	Ier3ip1	0.558645	1	0.790316	16.7483	27.604	No change
NM_011268	Rgs9	0.558926	1	0.789272	9.50358	15.6519	No change
NM_028101	Jmjd8	0.558971	1	0.696853	32.6144	50.3429	No change
NM_172666	Agps	0.559041	1	0.760935	4.22381	6.81912	No change
NM_001004293	Amigo1	0.559099	1	0.900311	2.06456	3.67864	No change
NM_027324	Sfxn1	0.559132	1	0.82156	6.39885	10.7814	No change

NR_026976	6720401G13Rik	0.559271	1	0.676726	19.4402	29.5887	No change
NM_001111050	Cd151	0.5595	1	0.687769	47.6228	73.0444	No change
NM_172339	Snappc4	0.559626	1	0.734266	9.59633	15.2055	No change
NM_025458	Tmed6	0.559705	1	0.814698	22.1273	37.1017	No change
NM_019500	Cldn14	0.559882	1	0.867876	8.79527	15.3134	No change
NM_016985	Mtmr1	0.560039	1	0.771749	6.07595	9.88404	No change
NM_130882	Cyp4f13	0.560069	1	0.889959	6.47643	11.4547	No change
NM_173368	Chd6	0.56032	1	0.663574	11.6738	17.6058	No change
NM_021375	Rhbg	0.56045	1	0.797551	11.6276	19.2619	No change
NM_175036	Leprot	0.56077	1	0.755786	18.272	29.3923	No change
NM_145459	Zfp503	0.561	1	0.853619	3.39118	5.84484	No change
NM_019880	Mtch1	0.5611	1	0.669033	58.6467	88.7842	No change
NM_008981	Ptprg	0.561135	1	0.705848	6.71904	10.4366	No change
NM_172415	Arhgef10l	0.561196	1	0.73868	9.01562	14.3295	No change
NM_021899	Foxj2	0.561376	1	0.859538	2.73878	4.74024	No change
NR_003292	Zxda	0.56149	1	0.861089	1.94006	3.36152	No change
NM_176808	Mcf2	0.561888	1	0.685419	37.527	57.4643	No change
NM_001159578	Lnx1	0.562481	1	0.832898	5.44406	9.24616	No change
NM_010211	Fhl1	0.562647	1	0.751085	15.2047	24.3772	No change
NR_028438	9230102K24Rik	0.562675	1	0.947845	6.09746	11.2397	No change
NM_001163288	Susd1	0.562892	1	0.760047	9.89872	15.9705	No change
NM_028248	Tmem87b	0.563223	1	0.744783	8.36858	13.3579	No change
NM_007621	Cbr2	0.563617	1	0.925922	8.87373	16.102	No change
NM_146174	Fam115c	0.564222	1	1.18257	0.654855	1.43346	No change
NM_016752	Slc35b1	0.564655	1	0.786511	21.82	35.8648	No change
NR_015570	LOC624853	0.564788	1	0.660897	393.13	591.78	No change
NM_023258	Pycard	0.565148	1	0.854937	6.8224	11.769	No change
NR_015476	1500011K16Rik	0.565164	1	1.03478	6.36701	12.4969	No change
NM_008634	Mtap1b	0.565201	1	0.625664	30.7185	45.1207	No change
NM_008927	Map2k1	0.565532	1	0.766808	13.0802	21.2035	No change
NM_181821	Hcfc1r1	0.565955	1	0.765932	25.455	41.2379	No change
NM_019511	Ramp3	0.566135	1	0.762593	26.884	43.4509	No change
NM_175193	Golim4	0.566459	1	0.819456	4.67084	7.85755	No change
NM_001081059	Ccdc90a	0.566493	1	0.939525	1.95191	3.57636	No change
NM_001076676	Usp33	0.566896	1	0.721713	12.9435	20.3287	No change
NM_133829	Mfsd6	0.567199	1	0.724307	10.9142	17.1726	No change
NM_001177886	Igsf5	0.567387	1	0.892191	7.57934	13.4251	No change
NM_016781	Prkag1	0.567418	1	0.735123	27.7666	44.0207	No change
NM_027893	Pvrl4	0.567538	1	0.760055	9.76576	15.7555	No change
NM_025985	Ube2g1	0.568122	1	0.801159	5.99392	9.95382	No change
NR_026596	Gm5126	0.568191	1	1.11385	1.6967	3.52854	No change
NM_026435	Ufm1	0.568432	1	0.741196	8.79216	13.9983	No change
NM_172871	Klh9	0.568489	1	0.674864	27.4177	41.6752	No change
NM_001025570	Prrx1	0.568565	1	0.848265	3.82648	6.56945	No change
NM_009796	Capn7	0.568584	1	0.742586	11.8406	18.8701	No change
NM_027144	Arhgef12	0.568629	1	0.642488	23.1423	34.3923	No change
NM_025311	D14Ert449e	0.568737	1	0.732912	24.0053	37.9985	No change
NM_001160303	Gm4788	0.568925	1	0.961852	2.63403	4.90389	No change
NM_023056	Tmem176b	0.569226	1	0.677596	66.6864	101.557	No change
NM_013871	Mapk12	0.569491	1	0.928937	4.86744	8.85042	No change
NM_016963	Tmod3	0.569965	1	0.724813	14.9287	23.497	No change
NM_001081178	Gpr116	0.570102	1	0.769961	3.70716	6.02253	No change
NM_010100	Edar	0.570201	1	0.932181	2.46198	4.48694	No change
NM_175507	Tmem20	0.570378	1	0.749125	11.485	18.3873	No change
NM_010132	Emx2	0.570421	1	0.848298	6.11624	10.5006	No change
NM_001172099	Cuedc1	0.570826	1	0.911495	3.44853	6.1926	No change
NM_078479	Mrps21	0.570919	1	0.803863	56.5078	94.0162	No change
NM_021552	Nsa2	0.570987	1	0.700108	28.9566	44.7959	No change
NM_025482	Tpd52l2	0.571263	1	0.800889	10.2756	17.0605	No change
NM_172134	Pdxk	0.57139	1	0.724097	10.822	17.0246	No change
NM_021563	Erbb2ip	0.571478	1	0.651296	32.5161	48.6195	No change
NM_001025615	Ccdc50	0.571564	1	0.689797	13.4241	20.6182	No change
NM_181073	Plekhh1	0.5716	1	0.773574	4.80566	7.82688	No change
NM_001081081	Gls	0.571842	1	0.727635	10.6368	16.7748	No change
NM_001202500	Armcx4	0.57195	1	0.905268	3.2557	5.8203	No change
NM_211358	Slc35c1	0.572363	1	0.930409	2.95384	5.37632	No change
NM_010601	Kcnh3	0.573055	1	0.829367	5.25177	8.89623	No change
NM_009987	Cx3cr1	0.573137	1	0.922671	2.61652	4.73601	No change
NM_024460	Ost4	0.573141	1	0.744047	85.5136	136.417	No change
NM_008037	Fosl2	0.57316	1	0.816125	3.58985	6.02442	No change
NM_145410	Fam173a	0.573394	1	0.776647	38.0617	62.1234	No change
NR_033146	LOC100316870	0.573553	1	1.10136	0.317039	0.653166	No change
NM_133931	Pot1a	0.573967	1	0.892161	3.77973	6.69412	No change
NM_010458	Hoxb3	0.574238	1	0.85082	4.83833	8.32108	No change
NM_024214	Tomm20	0.574587	1	0.753079	39.5779	63.5375	No change
NM_025826	Acad5b	0.574723	1	0.717136	18.9845	29.7199	No change

NM_010346	Grb7	0.574826	1	0.99521	2.73306	5.21136	No change
NM_010368	Gusb	0.574864	1	0.781279	12.0317	19.7016	No change
NM_031881	Nedd4l	0.575053	1	0.780532	3.63232	5.9447	No change
NR_027375	Ythdf3	0.57553	1	0.686962	19.8746	30.4646	No change
NM_009128	Scd2	0.575626	1	0.617455	140.038	204.521	No change
NM_001177467	Gm7030	0.575857	1	0.977038	8.06236	15.1727	No change
NM_033370	Copb1	0.576123	1	0.666912	48.0387	72.6139	No change
NM_177358	Zfp945	0.576173	1	0.821377	3.11712	5.25035	No change
NM_177608	Secisbp2l	0.576558	1	0.681063	17.595	26.8596	No change
NR_002890	Gm12070	0.576856	1	0.657026	124.524	186.936	No change
NM_026037	Mboat2	0.577191	1	0.777492	11.2255	18.3323	No change
NM_010876	Ncf1	0.577223	1	0.981943	2.61252	4.93382	No change
NM_009906	Tpp1	0.577285	1	0.759925	10.8908	17.5676	No change
NM_008796	Pctp	0.577621	1	0.722718	31.01	48.7348	No change
NM_001078649	Tmem134	0.578018	1	0.902351	7.52941	13.4312	No change
NM_010477	Hspd1	0.57802	1	0.716013	29.0487	45.4389	No change
NM_139302	Sh3glb2	0.578361	1	0.783514	17.3323	28.4251	No change
NM_029956	Mmab	0.578469	1	0.945349	2.93984	5.40776	No change
NM_019698	Aldh18a1	0.578511	1	0.84072	5.07828	8.6711	No change
NM_021540	Rnf130	0.578615	1	0.871882	9.43807	16.475	No change
NM_144867	Slimo1	0.579	1	1.03139	2.57288	5.03564	No change
NM_177321	Mia2	0.579	1	1.03139	3.42471	6.70284	No change
NM_012032	Serinc3	0.579101	1	0.621021	205.551	300.943	No change
NM_009424	Traf6	0.5792	1	0.815331	4.07412	6.83286	No change
NM_011989	Slc27a4	0.579219	1	0.794237	6.76411	11.177	No change
NM_008138	Gnai2	0.579369	1	0.700717	40.4648	62.6234	No change
NM_026081	Gprasp1	0.579526	1	0.695684	16.3858	25.2697	No change
NM_025841	Kdelr2	0.57957	1	0.726767	32.0588	50.5253	No change
NM_001037878	Tcf25	0.579742	1	0.744134	17.2578	27.5312	No change
NM_001005864	Mtus1	0.580229	1	0.737976	12.3817	19.6673	No change
NR_027759	Dctd	0.580292	1	1.30027	0.722474	1.72766	No change
NR_033547	Gm10684	0.580499	1	1.07079	2.11958	4.269	No change
NM_172396	9130011J15Rik	0.580508	1	0.726194	21.3101	33.5715	No change
NM_212457	Bex4	0.580628	1	0.81778	28.2515	47.4628	No change
NR_028097	Rabggtb	0.580633	1	0.815664	16.5765	27.8071	No change
NM_177806	Prpf39	0.580743	1	0.731768	13.8255	21.8655	No change
NM_009347	Tecta	0.581121	1	0.802181	3.4856	5.7918	No change
NM_181319	Tbx22	0.581358	1	0.946745	1.69495	3.12075	No change
NM_009547	Zfp161	0.581722	1	0.84095	5.14144	8.78005	No change
NR_028300	5330426P16Rik	0.582017	1	0.988324	3.87823	7.35709	No change
NM_001177572	Slc25a13	0.582362	1	0.803672	8.17814	13.6032	No change
NM_001033213	Ttc7b	0.582917	1	0.739069	15.2466	24.2362	No change
NM_021716	Fign	0.58294	1	0.971836	0.892571	1.67322	No change
NM_008129	Gclm	0.583423	1	0.813638	15.9772	26.7629	No change
NM_025835	Pccb	0.583442	1	0.76247	17.2787	27.9205	No change
NM_029789	Lass2	0.584203	1	0.795958	13.8557	22.9219	No change
NM_144958	Eif4a1	0.584563	1	0.693604	58.201	89.6242	No change
NM_011671	Ucp2	0.584585	1	0.759746	10.0164	16.1543	No change
NM_019709	Mbtps1	0.584701	1	0.69121	26.2424	40.3434	No change
NM_001163614	Ascl4	0.584783	1	0.968804	6.86689	12.8442	No change
NM_001161731	Ang	0.585629	1	1.29443	2.52322	6.00499	No change
NM_012043	Islr	0.585783	1	1.02075	2.72262	5.28681	No change
NM_010476	Hsd17b7	0.586219	1	0.853145	3.76348	6.48222	No change
NM_027016	Sec62	0.58658	1	0.709777	21.4913	33.4699	No change
NM_173752	1110067D22Rik	0.586604	1	0.796781	7.80331	12.9165	No change
NM_053102	Sep15	0.586774	1	0.689325	82.1167	126.074	No change
NM_007520	Bach1	0.586946	1	0.832179	3.50963	5.95603	No change
NM_024207	Der1	0.586961	1	0.714843	25.1072	39.2396	No change
NM_145429	Arrb2	0.586961	1	1.00463	3.8315	7.35359	No change
NM_025560	1810049H13Rik	0.586965	1	1.11385	4.90432	10.1925	No change
NR_030451	Mir682	0.587234	1	0.727902	676.602	1067.14	No change
NM_001035510	Zcchc18	0.587289	1	1.01545	1.88529	3.64673	No change
NM_010261	Rabac1	0.587548	1	0.704069	109.119	169.263	No change
NM_027828	Fam110c	0.587619	1	0.85196	6.57776	11.3198	No change
NM_008323	Idh3g	0.588656	1	0.770202	28.8511	46.8718	No change
NM_016799	Srrm1	0.588914	1	0.710666	23.3804	36.4341	No change
NM_029103	Manf	0.589411	1	0.672157	86.816	131.704	No change
NM_177994	C030046I01Rik	0.589474	1	0.854251	9.60622	16.558	No change
NM_001083901	Hiatl1	0.589736	1	0.770149	11.5226	18.7188	No change
NM_009099	Trim30a	0.589975	1	0.867108	4.21485	7.33144	No change
NM_001004066	Zfp386	0.59	1	0.769166	19.1023	31.0109	No change
NM_001033289	Slc9a2	0.590009	1	0.835139	5.88589	10.0092	No change
NM_009179	St3gal2	0.590054	1	0.701041	23.574	36.4897	No change
NM_008756	Ocln	0.590242	1	0.795286	9.34479	15.4513	No change
NM_080857	Asb13	0.590419	1	0.978925	3.27932	6.17786	No change
NM_145385	Mif2	0.590728	1	0.789174	20.6732	34.0356	No change

NM_027412	Ttc9c	0.590815	1	0.780117	10.1426	16.5926	No change
NM_146061	Prr5	0.591168	1	0.898632	6.9503	12.3629	No change
NM_025921	2610002M06Rik	0.591609	1	0.775686	6.38345	10.4104	No change
NM_008638	Mthfd2	0.591975	1	0.737671	29.1566	46.3	No change
NM_144500	Osbpl2	0.592062	1	0.762382	15.9443	25.7611	No change
NM_001128601	Gm2382	0.592074	1	0.975724	10.1469	19.0709	No change
NM_008212	Hadh	0.592159	1	0.73632	35.8594	56.8902	No change
NM_016693	Map3k6	0.592308	1	0.935258	2.33221	4.25808	No change
NM_001113464	Tec	0.592949	1	0.961852	3.36393	6.2597	No change
NM_133196	Cstf2	0.592996	1	0.735423	14.5247	23.0285	No change
NM_001042534	Capg	0.593141	1	0.78669	27.5119	45.2148	No change
NM_001164578	Tsr2	0.593276	1	0.827551	5.93443	10.0375	No change
NM_021472	Rnase4	0.593497	1	0.797759	19.7356	32.688	No change
NM_008815	Etv4	0.593568	1	0.851909	7.87626	13.553	No change
NM_013913	Angptl3	0.593784	1	1.42198	0.868989	2.28263	No change
NM_015787	Hist1h1e	0.594216	1	0.786396	17.6488	28.9989	No change
NM_146041	Gm5	0.594275	1	0.911592	7.89238	14.168	No change
NM_001081206	Dgki	0.594462	1	0.881789	3.19818	5.62087	No change
NM_023755	Tcfcp2l1	0.59463	1	0.722372	8.51803	13.3824	No change
NM_001204281	Hdac7	0.59466	1	0.849759	4.98201	8.55962	No change
NM_030108	Tmem33	0.59476	1	0.763078	8.34965	13.4968	No change
NM_021538	Cope	0.594845	1	0.815196	24.8277	41.629	No change
NM_009638	Crisp1	0.594851	1	0.640284	453.841	673.395	No change
NM_133919	Aff1	0.594859	1	0.732523	8.13908	12.878	No change
NM_026341	Nudt13	0.595294	1	1.04931	2.18222	4.3251	No change
NM_177359	Zfp799	0.595648	1	0.871991	3.76053	6.56336	No change
NM_025692	Uba5	0.595666	1	0.766562	18.0761	29.2902	No change
NM_145959	D15Ert621e	0.595766	1	0.71985	14.9032	23.3726	No change
NM_011237	Rad9	0.595862	1	0.792312	15.9074	26.2462	No change
NM_013478	Azgp1	0.595929	1	1.69882	0.636465	2.07615	No change
NM_026373	Cdk2ap2	0.596238	1	0.874876	17.2129	30.1033	No change
NR_003546	2410002O22Rik	0.596659	1	1.07321	3.02272	6.09587	No change
NM_133990	Il13ra1	0.596733	1	0.835899	5.86291	9.97476	No change
NM_023907	Foxi1	0.596851	1	0.809	11.7833	19.6708	No change
NM_016800	Vti1b	0.597138	1	0.739636	49.2366	78.292	No change
NM_007682	Cenpb	0.597148	1	0.758616	17.9093	28.8587	No change
NM_029752	Bri3bp	0.59752	1	0.770677	6.04378	9.82143	No change
NM_008704	Nme1	0.597833	1	0.773966	33.0124	53.7706	No change
NM_173864	Gm5077	0.598169	1	0.926353	4.16273	7.55127	No change
NM_001033268	Fam120a	0.598215	1	0.693866	28.9372	44.5665	No change
NM_010439	Hmgb1	0.59824	1	0.706699	47.7196	74.1539	No change
NM_013476	Ar	0.598245	1	0.758033	16.6157	26.763	No change
NM_001146001	Pdzk1	0.598438	1	0.676813	89.9453	136.89	No change
NM_025965	Ssr1	0.598476	1	0.676425	23.1711	35.2552	No change
NM_016740	S100a11	0.598797	1	0.800009	61.3962	101.846	No change
NM_001168507	Tmem11	0.599167	1	0.895083	9.1325	16.2017	No change
NM_001024141	Nxf3	0.599231	1	0.709079	36.04	56.0972	No change
NM_001081005	1500012F01Rik	0.599333	1	0.98261	10.7656	20.331	No change
NM_011943	Map2k6	0.599407	1	1.32887	0.911681	2.22608	No change
NM_178600	Vkorc1	0.599504	1	0.853988	25.3429	43.6696	No change
NM_025958	Cand2	0.599517	1	0.752469	9.99448	16.0355	No change
NM_172988	Fbxl4	0.600326	1	0.87257	6.63475	11.5839	No change
NM_001166497	3110052M02Rik	0.600802	1	0.987163	1.78741	3.38652	No change
NM_029555	Gstk1	0.600802	1	0.987163	8.39313	15.9021	No change
NM_008477	Ktn1	0.601061	1	0.807193	6.55751	10.9327	No change
NM_144847	Nrbp2	0.601203	1	0.719858	36.7172	57.5823	No change
NM_172116	Pddc1	0.601329	1	0.811826	18.8082	31.4595	No change
NM_001033258	D10Bwg1379e	0.601643	1	0.772663	5.26769	8.57193	No change
NM_153781	Pygb	0.601826	1	0.791567	9.09749	15.0017	No change
NM_001037298	Fam38a	0.601931	1	0.75269	6.82848	10.9574	No change
NM_010398	H2-T23	0.602221	1	0.809508	22.0668	36.8494	No change
NM_053191	Pi15	0.603037	1	0.957129	1.35903	2.51989	No change
NM_017463	Pbx2	0.603054	1	0.94332	3.65757	6.71519	No change
NM_152809	Csnk1g3	0.60308	1	0.829163	5.5196	9.34557	No change
NM_001163098	Tchh	0.603557	1	0.899295	2.36978	4.21647	No change
NM_008714	Notch1	0.603656	1	0.727803	8.79883	13.8755	No change
NM_133734	Dcaf11	0.603841	1	0.74224	26.5748	42.3324	No change
NM_207707	Esr2	0.604024	1	1.02075	1.96931	3.8223	No change
NM_001101561	Gm6251	0.604647	1	0.797888	56.7432	93.9831	No change
NR_028560	Scarna17	0.604753	1	1.51825	17.9853	50.9484	No change
NM_183115	Ccdc125	0.604882	1	1.21339	1.05634	2.36207	No change
NM_023396	Rprm	0.605155	1	0.936977	7.39891	13.5223	No change
NM_133643	Edaradd	0.60546	1	0.944535	1.27293	2.33899	No change
NM_019574	Patz1	0.605493	1	0.900451	5.47312	9.74589	No change
NM_019979	Selk	0.605749	1	0.824348	25.5358	43.0887	No change
NM_027560	Arrdc2	0.605818	1	0.80364	13.6356	22.6757	No change

NM_021604	Agrn	0.605971	1	0.75692	8.16921	13.1473	No change
NM_080463	Pofut1	0.606099	1	0.826974	4.54005	7.67496	No change
NM_008084	Gapdh	0.606252	1	0.688669	155.961	239.323	No change
NM_010689	Lat	0.60652	1	1.15412	2.93682	6.28316	No change
NM_028000	Ppapdc1b	0.606612	1	0.935398	7.48063	13.6559	No change
NM_001033421	Pate2	0.606724	1	0.780216	18.9414	30.9852	No change
NM_177905	Piwil4	0.606733	1	1.04514	2.24645	4.43759	No change
NM_001128198	Vps13d	0.607172	1	0.679269	19.2615	29.364	No change
NM_026113	Gtf3c6	0.607181	1	0.924821	11.6155	21.0446	No change
NM_029953	Arhgef38	0.607194	1	1.02174	3.50289	6.80323	No change
NM_175372	Rdh13	0.60787	1	0.965463	3.02216	5.63668	No change
NM_019824	Arpc3	0.60827	1	0.83419	28.6004	48.5944	No change
NM_021610	Gpa33	0.608279	1	1.17044	1.4893	3.2248	No change
NM_175134	Ankrd46	0.608352	1	0.841111	9.18935	15.6898	No change
NM_011300	Rps7	0.608454	1	0.722103	103.923	163.229	No change
NM_016763	Hsd17b10	0.608652	1	0.91779	13.7703	24.8234	No change
NM_146226	Apeh	0.609132	1	0.832878	10.3476	17.5649	No change
NM_001167832	Zfp764	0.610076	1	1.04595	2.42557	4.79381	No change
NM_145515	Mark1	0.610388	1	0.906563	3.00756	5.37843	No change
NM_001177399	Etohi1	0.610537	1	0.863311	5.72961	9.93699	No change
NM_007936	Epha4	0.610669	1	0.90198	2.24674	4.00477	No change
NM_007899	Ecm1	0.610899	1	0.817462	15.3772	25.8206	No change
NM_011436	Sorl1	0.610915	1	0.760316	8.2169	13.2552	No change
NM_001081364	Arhgap21	0.611064	1	0.774153	6.85685	11.1689	No change
NM_026177	1200011118Rik	0.611101	1	0.773726	8.78837	14.3108	No change
NM_029492	Zdhhc20	0.611907	1	0.718839	21.8388	34.2232	No change
NM_028662	Slc35b2	0.612218	1	0.838329	11.3112	19.2741	No change
NM_175212	Tmem65	0.612256	1	0.826825	7.40153	12.5102	No change
NM_022317	Slc28a3	0.612298	1	0.813792	6.73413	11.2783	No change
NM_026697	Rab14	0.612936	1	0.741128	25.312	40.2878	No change
NM_144826	Utp6	0.612959	1	0.803515	8.91191	14.8181	No change
NM_001081286	Fat1	0.613375	1	0.665445	33.1955	50.1217	No change
NM_207659	Hook3	0.613466	1	0.728417	7.59043	11.9745	No change
NM_178205	Hist1h3e	0.613551	1	1.23487	6.6132	15.022	No change
NM_010137	Epas1	0.614185	1	0.798353	6.9146	11.4554	No change
NM_001009935	Txnp1	0.614278	1	0.727563	35.8293	56.4896	No change
NM_010070	Dok1	0.614365	1	0.888869	8.91915	15.7503	No change
NR_028538	Scarna2	0.614724	1	0.92121	209.079	377.785	No change
NM_001083922	Wbp1	0.615042	1	0.807428	25.6457	42.7587	No change
NM_175677	Trim12c	0.61524	1	0.872354	5.10606	8.91185	No change
NM_031165	Hspa8	0.615959	1	0.664977	255.717	385.507	No change
NM_008963	Ptgsd	0.616068	1	0.67896	411.578	627.301	No change
NM_001077189	Fcgr2b	0.616349	1	0.817291	19.9573	33.5055	No change
NM_009388	Tkt	0.616493	1	0.767404	17.3852	28.1836	No change
NM_025650	Uqcr11	0.616513	1	0.782578	105.019	172.068	No change
NM_178633	Klh2	0.616726	1	0.854503	7.18579	12.3843	No change
NM_198860	Al646023	0.616919	1	0.893037	3.45359	6.11651	No change
NM_011584	Nr1d2	0.616955	1	0.76944	11.7607	19.0927	No change
NM_008681	Ndrp1	0.617388	1	0.77269	18.1829	29.5858	No change
NM_011945	Map3k1	0.617457	1	0.734328	13.5161	21.4104	No change
NM_007498	Atf3	0.618082	1	1.20696	1.55187	3.45149	No change
NM_008698	Nipsnap1	0.618364	1	1.08471	2.75202	5.59311	No change
NM_029361	Wnk2	0.618539	1	0.918003	2.02345	3.64763	No change
NM_026638	Cdipt	0.618637	1	0.825693	15.4543	26.0989	No change
NM_001042611	Cp	0.618813	1	0.730739	22.5082	35.5652	No change
NM_001130485	Rpl35a	0.618945	1	0.738649	182.766	290.387	No change
NM_007604	Capza2	0.618966	1	0.791334	21.336	35.1725	No change
NM_025388	Ufc1	0.619217	1	0.765015	62.0296	100.388	No change
NM_001170430	Slc35b3	0.619233	1	0.860281	10.8237	18.7297	No change
NM_001033713	Mef2a	0.619406	1	0.763255	21.4178	34.6198	No change
NM_010165	Eya2	0.619577	1	1.35897	0.766504	1.91321	No change
NM_175518	D730040F13Rik	0.620223	1	0.761352	9.26881	14.9621	No change
NM_001161774	St3gal3	0.620345	1	0.914014	6.25049	11.2354	No change
NM_001098222	Bhlhb9	0.620509	1	0.891462	5.86758	10.3797	No change
NM_139141	Zfp192	0.620552	1	0.78228	5.49081	8.99428	No change
NM_017375	Ostf1	0.620959	1	0.871212	11.3851	19.8535	No change
NM_001081093	Arfp1	0.621631	1	0.797474	13.4763	22.3112	No change
NM_021273	Ckb	0.621666	1	0.797802	27.3962	45.3672	No change
NM_028421	Zc3hav1	0.621671	1	0.803833	9.98245	16.6007	No change
NM_177215	Ocll	0.621721	1	0.809499	6.84556	11.4295	No change
NM_134050	Rab15	0.621811	1	1.01198	2.43011	4.68502	No change
NM_001080974	Sri	0.621896	1	0.896119	6.90947	12.263	No change
NM_001024142	Fbxo10	0.621898	1	0.783825	10.3923	17.0414	No change
NM_001105196	Tcfe3	0.622	1	0.820636	9.96242	16.7641	No change
NM_024266	Rps25	0.62209	1	0.795213	61.3379	101.389	No change
NM_027819	Ggt6	0.622103	1	3.69882	0	0.433425	No change

NM_007843	Defb1	0.622274	1	0.875966	20.6948	36.209	No change
NM_139152	Asb18	0.622352	1	1.10351	3.42508	7.05638	No change
NM_153559	Qsox2	0.62259	1	0.766377	25.0997	40.6591	No change
NM_007475	Rplp0	0.622598	1	0.667998	469.505	710.15	No change
NM_001033634	Zyg11b	0.622738	1	0.732787	9.96922	15.7746	No change
NM_172501	Nhlrc3	0.622846	1	1.049	4.02075	7.96143	No change
NM_134074	Dock9	0.622868	1	0.747863	10.5527	16.8746	No change
NM_009007	Rac1	0.623435	1	0.741501	40.5442	64.5454	No change
NM_172678	Acad9	0.623446	1	0.871926	5.05821	8.8248	No change
NM_153131	Unc5a	0.623569	1	1.00407	2.01678	3.86595	No change
NM_178886	Ldlrad3	0.62388	1	0.869474	5.29936	9.22946	No change
NM_172671	Lgr4	0.6239	1	0.804244	7.61664	12.6698	No change
NM_011980	Zfp146	0.623908	1	0.846003	12.325	21.1129	No change
NM_013844	Zfp68	0.62413	1	0.827307	6.36384	10.7588	No change
NM_001142411	Zfp937	0.624215	1	0.940255	1.72218	3.15382	No change
NM_001112798	Slc8a1	0.624305	1	0.843766	1.38162	2.363	No change
NM_001190314	Mfrp	0.624428	1	0.791927	10.5432	17.387	No change
NM_026433	Tmem100	0.624469	1	1.0004	4.662	8.91282	No change
NM_175464	Pkp4	0.624645	1	0.799548	9.15254	15.1745	No change
NM_026064	2900073G15Rik	0.624656	1	0.775211	31.4186	51.2101	No change
NM_025286	Slc31a2	0.624699	1	0.817989	18.302	30.7394	No change
NM_145569	Mat2a	0.624721	1	0.706155	69.8421	108.48	No change
NM_177614	Os9	0.624922	1	0.719556	37.1612	58.2609	No change
NM_178626	Cdc42se2	0.624998	1	0.728702	38.1779	60.2376	No change
NM_009255	Serpine2	0.625166	1	1.08547	2.57745	5.24022	No change
NM_001163319	Tubgcp6	0.62552	1	0.737602	14.6959	23.3318	No change
NM_172611	Gramd4	0.625633	1	0.912392	3.5549	6.38219	No change
NM_181328	Slc25a29	0.625791	1	1.02256	3.72595	7.23758	No change
NM_181058	Zbtb20	0.626188	1	0.746416	30.3563	48.4921	No change
NM_001033164	2510002D24Rik	0.626202	1	1.00504	6.562	12.5867	No change
NM_029494	Rab30	0.626202	1	1.00504	4.19532	8.04715	No change
NM_001011877	Rnase11	0.626498	1	1.11385	8.06464	16.7388	No change
NM_026763	Col6a4	0.626642	1	0.721957	19.1119	30.0134	No change
NM_010241	Aktip	0.626832	1	0.744104	43.039	68.6408	No change
NR_002847	Malat1	0.627328	1	0.638614	1495.64	2216.55	No change
NM_011992	Rcn2	0.62806	1	0.777284	27.8499	45.4582	No change
NM_146030	Plekhh3	0.628621	1	1.13694	1.41379	2.98433	No change
NM_053071	Cox6c	0.628742	1	0.728533	257.296	405.912	No change
NM_178920	Mal2	0.628774	1	1.09449	1.85848	3.80298	No change
NM_009919	Cnih	0.62905	1	0.827706	21.2272	35.8955	No change
NM_009861	Cdc42	0.62908	1	0.714634	83.2708	130.102	No change
NM_019437	Rfk	0.6294	1	0.792191	19.1501	31.5857	No change
NM_019394	Mia1	0.629658	1	0.991371	15.7332	29.8813	No change
NM_011971	Psmb3	0.629751	1	0.933283	17.7331	32.3108	No change
NR_029471	Gm11968	0.629774	1	0.844095	32.6474	55.8471	No change
NM_177776	Smtnl2	0.629917	1	0.901069	6.26811	11.1626	No change
NM_025637	Rwdd3	0.630136	1	1.28835	1.39715	3.30171	No change
NM_029321	Ttc32	0.630136	1	1.28835	2.36956	5.5997	No change
NM_026307	Cuta	0.630164	1	0.89053	27.9861	49.4685	No change
NM_001081499	Tbc1d8b	0.630951	1	0.838865	4.84913	8.26441	No change
NM_001099323	Zkscan16	0.630964	1	1.1816	1.27213	2.77503	No change
NM_001165954	Phc3	0.631074	1	0.723816	13.5842	21.3599	No change
NM_172891	Styk1	0.631233	1	0.995535	2.59956	4.95183	No change
NM_001103178	Ablim1	0.631329	1	0.797423	7.71221	12.7669	No change
NM_013876	Rnf11	0.631562	1	0.758318	37.2328	59.9717	No change
NM_007527	Bax	0.631858	1	0.930789	15.3982	28.0059	No change
NM_008202	Slc39a7	0.63193	1	0.741171	44.9378	71.521	No change
NM_001081279	Mfhas1	0.631966	1	0.836526	4.62227	7.86474	No change
NM_001081471	Gm10035	0.632004	1	1.66405	0.626562	1.98592	No change
NM_001164155	Tnfrsf19	0.632097	1	0.907646	3.93706	7.04391	No change
NM_001168333	Tinagl1	0.632189	1	0.88964	9.38037	16.57	No change
NR_027853	Clk1	0.632352	1	0.750579	52.6204	84.2997	No change
NM_029662	Mfsd2a	0.632458	1	0.800663	20.6486	34.2593	No change
NM_010605	Kcnj5	0.632705	1	1.81429	0.170512	0.606774	No change
NM_026522	Chid1	0.632833	1	0.750051	23.4829	37.6065	No change
NM_199446	Phkb	0.633126	1	0.853184	5.50962	9.48505	No change
NM_001161413	Slc3a2	0.633495	1	0.715365	68.7019	107.393	No change
NM_009716	Atf4	0.633717	1	0.757954	47.9164	77.1597	No change
NM_009370	Tgfbr1	0.633783	1	0.742929	19.0038	30.2825	No change
NM_009739	Bckdk	0.633872	1	0.912868	5.41541	9.72457	No change
NM_145394	Slc44a3	0.634	1	0.898687	6.7515	12.0026	No change
NM_001205385	Actr3	0.634037	1	0.780962	22.949	37.5539	No change
NM_138313	Bmf	0.634126	1	0.87545	4.52786	7.91824	No change
NM_028749	Npl	0.634224	1	0.836221	21.658	36.8421	No change
NM_016883	Psmc10	0.634307	1	0.842371	19.6251	33.5288	No change
NM_001038999	Atp8a1	0.634316	1	0.787487	6.58221	10.8205	No change

NM_175467	Sptlc3	0.634323	1	1.41154	0.580985	1.5092	No change
NM_021883	Tmod1	0.634335	1	0.816341	13.1327	22.0299	No change
NM_001038637	Gng2	0.63446	1	1.06439	1.66748	3.33775	No change
NM_008994	Pxmp3	0.634479	1	0.808147	19.6392	32.7557	No change
NM_001045520	Clint1	0.63464	1	0.748381	29.1242	46.586	No change
NM_001164316	Fam190a	0.634872	1	1.08655	0.982817	1.99918	No change
NM_008749	Nucb1	0.634925	1	0.718642	70.2766	110.105	No change
NM_133913	Chpf2	0.634963	1	0.791927	13.7623	22.6942	No change
NR_028543	Snord47	0.635181	1	0.924194	220.873	399.82	No change
NM_001163996	Zfp605	0.635676	1	1.03547	2.27308	4.45568	No change
NM_030692	Sacm1l	0.63583	1	0.803067	13.0738	21.7276	No change
NM_027382	Hdac8	0.635898	1	1.10407	2.95104	6.07975	No change
NM_011083	Pik3c2a	0.636019	1	0.712044	27.9049	43.5191	No change
NM_027179	Tecr	0.636843	1	0.748487	90.9897	145.553	No change
NM_025535	Sar1b	0.637037	1	0.878265	16.7419	29.3352	No change
NM_028882	Sema3d	0.637218	1	0.908106	2.52224	4.51377	No change
NM_027442	Ddo	0.637359	1	1.1489	1.39386	2.96736	No change
NM_144551	Trib2	0.637902	1	0.94344	3.03807	5.575	No change
NM_028339	Tmx1	0.638043	1	0.797496	21.3284	35.3075	No change
NM_182994	Arl5a	0.638049	1	0.818518	7.3544	12.3554	No change
NM_175224	Metap1	0.638069	1	0.762488	32.2901	52.1604	No change
NM_053099	Setbp1	0.63818	1	0.783514	6.01368	9.85819	No change
NM_013718	Trappc3	0.638545	1	0.882849	16.258	28.5792	No change
NM_021430	Rilp1	0.639161	1	0.837968	13.9448	23.7494	No change
NM_021717	Nrip2	0.639224	1	1.2451	1.50707	3.44566	No change
NM_001040695	Uevld	0.639431	1	0.844015	6.41411	10.9704	No change
NM_177850	Bpi	0.639729	1	0.825117	20.3712	34.3822	No change
NM_029814	Chmp5	0.639777	1	0.830189	24.9919	42.3316	No change
NM_016844	Rps28	0.639804	1	0.820547	116.794	196.492	No change
NM_025887	Rab5a	0.639867	1	0.81355	17.5412	29.3663	No change
NM_001146124	Psap	0.640037	1	0.70002	141.069	218.17	No change
NM_001167949	Atp2b4	0.640101	1	0.7126	60.919	95.042	No change
NM_007788	Csnk2a1	0.640265	1	0.775975	16.3788	26.7082	No change
NM_144546	Zfp119a	0.640287	1	1.05911	3.2685	6.51658	No change
NM_029951	C330007P06Rik	0.640464	1	0.820714	11.5007	19.3507	No change
NM_025512	Zfand1	0.640745	1	0.951004	7.75339	14.304	No change
NM_133951	Rrp8	0.641112	1	0.870496	8.05448	14.0353	No change
NM_007561	Bmpr2	0.641139	1	0.844754	8.50544	14.5547	No change
NM_025964	Mettl21a	0.641271	1	0.986476	3.68594	6.97444	No change
NM_175152	Thap3	0.641558	1	1.09548	4.87976	9.98887	No change
NM_001033186	Skap1	0.641721	1	1.0276	3.53238	6.88407	No change
NM_008179	Gspt2	0.641735	1	0.846722	11.7972	20.2155	No change
NM_009982	Ctsc	0.641755	1	0.861845	10.2622	17.7735	No change
NM_009922	Cnn1	0.642191	1	0.962817	5.78728	10.7668	No change
NM_017467	Zfp316	0.642354	1	0.891038	2.85121	5.04089	No change
NM_146243	Actr2	0.642628	1	0.752091	29.1005	46.6671	No change
NM_001033820	Zfp551	0.642914	1	1.16195	1.73039	3.71862	No change
NM_001099349	Gm14308	0.64298	1	0.832197	21.3188	36.1601	No change
NM_001141948	Nmi	0.643312	1	0.94252	10.0236	18.3802	No change
NM_026228	Slc39a8	0.643338	1	0.794426	16.8283	27.7971	No change
NM_010397	H2-T22	0.643529	1	0.836321	18.9891	32.3019	No change
NM_001025208	LOC547349	0.644057	1	0.849449	74.1039	127.225	No change
NM_153081	Slc16a11	0.644172	1	0.941153	7.69956	14.1047	No change
NM_001163445	2700089E24Rik	0.644362	1	0.819804	16.1728	27.1936	No change
NM_016958	Krt14	0.644742	1	0.842553	19.0606	32.5654	No change
NM_028617	Fam125a	0.644847	1	0.982149	9.71239	18.3195	No change
NM_173006	Pon3	0.64547	1	0.955534	6.9146	12.7968	No change
NM_133697	1110003E01Rik	0.645686	1	0.744256	63.3724	101.072	No change
NM_011212	Ptpre	0.645887	1	0.903799	3.36164	5.99695	No change
NM_177583	Aph1b	0.645898	1	0.895308	4.28127	7.59176	No change
NM_001161338	Sh3bp5l	0.646013	1	0.844423	10.4009	17.7933	No change
NM_001165971	Gm5803	0.646095	1	0.949735	11.0671	20.3973	No change
NM_001025257	Vegfa	0.64618	1	0.820281	12.3838	20.8293	No change
NM_172752	Sorbs2	0.646409	1	0.803752	8.40008	13.966	No change
NM_175150	Txndc15	0.64643	1	0.868444	16.2936	28.3497	No change
NM_023397	Mdp1	0.646473	1	0.873422	13.7134	23.9441	No change
NM_001093754	Dennd2d	0.646634	1	1.23939	1.44494	3.2884	No change
NM_008772	P2ry1	0.646634	1	1.23939	0.771178	1.75505	No change
NM_001005419	Ado	0.646824	1	0.790288	13.7975	22.7244	No change
NM_198416	Zzz3	0.646908	1	0.764157	12.2949	19.8832	No change
NM_007585	Anxa2	0.647153	1	0.782136	50.5705	82.8156	No change
NM_001160235	Fam168b	0.647342	1	0.779136	14.4235	23.5708	No change
NM_007903	Edn3	0.647821	1	1.01683	2.86957	5.54848	No change
NM_001039512	Ivns1abp	0.647869	1	0.710841	96.6894	150.661	No change
NM_026775	Tmed10	0.647958	1	0.745617	38.1473	60.8981	No change
NM_177450	Cndp1	0.648105	1	0.859538	9.7309	16.8248	No change

NM_011341	Sdf4	0.648399	1	0.748584	24.6767	39.4753 No change
NM_001111324	Nedd9	0.648771	1	0.796952	12.5701	20.7994 No change
NM_001174053	Camk2b	0.648792	1	0.771314	21.1164	34.32 No change
NM_026432	Tmem66	0.649189	1	0.746458	71.3811	114.019 No change
NM_177688	H2afj	0.649197	1	0.992902	5.41675	10.2951 No change
NM_016957	Hmgn2	0.649657	1	0.807246	40.293	67.1538 No change
NM_008209	Mr1	0.650002	1	0.939107	5.69432	10.4153 No change
NM_010399	H2-T9	0.650076	1	0.844668	19.9426	34.1215 No change
NM_001165902	Ctnnb1	0.650132	1	0.717702	82.9067	129.803 No change
NM_013889	Zfp292	0.650173	1	0.761243	10.3663	16.7299 No change
NM_178598	Tagln2	0.650395	1	0.85561	21.1802	36.5189 No change
NM_001024955	Pik3r1	0.650582	1	0.787805	11.4902	18.8911 No change
NM_029748	2510006D16Rik	0.651025	1	0.969465	15.294	28.5843 No change
NM_023210	Anp32e	0.651388	1	0.858485	8.80782	15.217 No change
NM_011309	S100a1	0.651597	1	0.880656	37.8495	66.4212 No change
NM_029847	Arsk	0.651597	1	0.880656	6.36517	11.1701 No change
NM_170669	Rps15a	0.651681	1	0.778358	15.3938	25.1422 No change
NM_026172	Decr1	0.652005	1	0.856242	9.98642	17.226 No change
NM_026868	Abhd13	0.652019	1	0.817155	8.85289	14.8571 No change
NM_001033422	Thoc2	0.652047	1	0.747791	18.3585	29.3515 No change
NM_007557	Bmp7	0.652396	1	0.965532	6.13269	11.4296 No change
NM_053069	Atg5	0.652408	1	0.923838	6.93374	12.5451 No change
NM_019791	Maged1	0.652414	1	0.700672	203.406	314.712 No change
NM_019730	Nme3	0.65279	1	1.01472	12.259	23.6652 No change
NM_026496	Grhl2	0.652823	1	0.813498	9.80717	16.4164 No change
NM_009157	Map2k4	0.652906	1	0.798692	16.0365	26.5669 No change
NM_010273	Gdi1	0.653034	1	0.867215	10.0723	17.5087 No change
NM_028096	2010300C02Rik	0.653412	1	0.826491	9.54063	16.1163 No change
NM_001164613	Atp13a4	0.653796	1	0.95185	4.63493	8.55424 No change
NM_001033347	D430041D05Rik	0.653807	1	1.06193	0.674759	1.34759 No change
NM_013795	Atp5l	0.654032	1	0.808551	102.434	170.871 No change
NM_001081304	Atf6	0.654135	1	0.762799	14.4746	23.3852 No change
NM_008667	Nab1	0.654166	1	0.874472	4.9585	8.66345 No change
NM_030131	Cnih4	0.654444	1	0.960099	3.88131	7.20546 No change
NM_018799	Eif3i	0.655307	1	0.750774	126.754	203.073 No change
NM_133218	Zfp704	0.655341	1	0.759204	8.55304	13.7836 No change
NM_025605	2400001E08Rik	0.655404	1	0.852717	26.7372	46.0043 No change
NM_024270	Stard3nl	0.655438	1	0.937266	11.724	21.4143 No change
NR_004445	Snord22	0.655582	1	0.880365	191.932	336.734 No change
NM_026438	Ppa1	0.655836	1	0.894192	16.5602	29.3387 No change
NM_025399	Nudt14	0.656032	1	1.04611	9.4916	18.7399 No change
NM_012060	Bcap31	0.656113	1	0.813987	41.3909	69.3073 No change
NM_001077694	Dysf	0.656335	1	0.882347	3.49688	6.14361 No change
NM_013495	Cpt1a	0.656394	1	0.778689	19.7201	32.215 No change
NM_008869	Pla2g4a	0.657128	1	0.904481	6.9546	12.4108 No change
NM_019980	Litaf	0.65713	1	0.775707	40.3764	65.8218 No change
NM_025872	Golt1b	0.657347	1	0.833657	14.3075	24.2898 No change
NM_009284	Stat6	0.657521	1	0.900806	5.38495	9.58471 No change
NM_026029	Glod4	0.657696	1	0.792287	27.623	45.5558 No change
NM_009000	Rab24	0.657922	1	0.874416	14.0133	24.4821 No change
NM_021339	Cdon	0.658119	1	0.843561	4.99463	8.53849 No change
NM_019397	Egfl6	0.658203	1	1.13403	1.80685	3.80226 No change
NM_133351	Prss8	0.659178	1	0.854539	17.3858	29.9515 No change
NM_008883	Plxna3	0.659433	1	0.997159	1.47557	2.81249 No change
NM_019417	Pdlim4	0.659738	1	0.933701	13.4681	24.5362 No change
NM_145923	Rell1	0.660136	1	0.967156	3.87183	7.22341 No change
NM_008827	Pgf	0.660237	1	0.867572	18.2117	31.6631 No change
NM_001163635	Tnks2	0.660555	1	0.770525	16.2377	26.3747 No change
NM_054043	Msi2	0.660629	1	0.749472	25.0315	40.0658 No change
NM_033320	Glce	0.660855	1	0.824348	10.0961	17.028 No change
NM_026732	Mrpl14	0.660874	1	1.08933	10.3075	20.9943 No change
NM_022885	Slc30a5	0.660923	1	0.798723	20.8706	34.5744 No change
NM_019568	Cxcl14	0.661075	1	1.11385	2.97866	6.17599 No change
NM_016978	Oat	0.6613	1	0.760693	59.9909	96.7762 No change
NM_008020	Fkbp2	0.661607	1	0.86263	47.2916	81.9353 No change
NR_015566	A330023F24Rik	0.66165	1	0.841381	7.39188	12.617 No change
NM_001167860	Wipf3	0.661689	1	0.850243	8.27231	14.2079 No change
NM_008175	Grn	0.661886	1	0.85381	14.3688	24.7407 No change
NM_001081145	Tigd2	0.662123	1	0.899173	7.18484	12.7729 No change
NM_011882	Rnasel	0.662289	1	0.919636	3.823	6.89543 No change
NM_206924	Jtb	0.662351	1	0.942694	13.7743	25.2538 No change
NM_001035245	Trpm3	0.662625	1	0.935354	9.88886	18.0359 No change
NM_024220	Ndufc2	0.662697	1	0.886645	35.7164	62.9357 No change
NM_019833	Fam69b	0.663077	1	1.0342	5.15607	10.0915 No change
NM_172380	Poglut1	0.663114	1	0.861704	11.8222	20.469 No change
NM_008251	Hmgn1	0.663269	1	0.781035	76.1976	124.677 No change

NM_007910	Efn4	0.663303	1	1.33625	1.39735	3.41862	No change
NM_153103	Kif1c	0.663364	1	0.825285	7.0373	11.8767	No change
NM_175266	Epm2aip1	0.664404	1	0.798544	9.66488	16.0086	No change
NM_175654	Hist1h4d	0.664838	1	0.855543	108.784	187.531	No change
NM_026902	Mcts1	0.664915	1	1.17089	4.85305	10.49	No change
NM_001024139	Adamts15	0.664917	1	0.923595	3.03319	5.48605	No change
NM_021607	Ncstn	0.665029	1	0.757846	51.9951	83.71	No change
NM_183256	2310016M24Rik	0.665064	1	0.941134	21.6887	39.7184	No change
NM_145525	Osbpl6	0.665178	1	0.963521	1.65543	3.0802	No change
NM_019405	Cetn2	0.66519	1	0.906661	17.5114	31.2951	No change
NM_025446	Aig1	0.665409	1	1.02674	8.39754	16.3471	No change
NM_013725	Rps11	0.665884	1	0.753162	279.351	448.276	No change
NM_019447	Hgfac	0.666198	1	0.946398	7.22447	13.2795	No change
NM_025303	Stau2	0.666393	1	0.92943	6.00469	10.9053	No change
NM_001164216	Romo1	0.666598	1	1.00618	22.3572	42.884	No change
NM_027439	Atp6ap2	0.666683	1	0.842769	16.8935	28.8619	No change
NM_001198977	Syk	0.666779	1	0.794185	15.2534	25.1881	No change
NM_170779	Wwc1	0.667053	1	0.843728	11.9834	20.487	No change
NM_019868	Hnrmp2	0.667395	1	0.822943	21.8454	36.8065	No change
NM_026130	Srpr	0.667497	1	0.776376	36.533	59.5811	No change
NM_001001488	Atp8b1	0.667676	1	0.853051	5.58409	9.60929	No change
NM_001002786	Rab44	0.667917	1	1.17	1.05261	2.27353	No change
NM_011502	Stx3	0.66802	1	0.950624	6.06765	11.1863	No change
NM_172665	Pdk1	0.668574	1	0.821026	10.4736	17.6228	No change
NM_001081008	Taf1	0.668605	1	0.831455	5.82792	9.87794	No change
NM_178642	Ano1	0.669217	1	0.773303	26.8356	43.6717	No change
NM_030235	Avl9	0.669616	1	0.79314	12.3741	20.4182	No change
NM_025529	Nudt8	0.669704	1	1.27986	3.54671	8.31168	No change
NM_001001181	BC031181	0.670128	1	0.840885	40.6709	69.3911	No change
NM_144874	Cox15	0.670296	1	0.812671	12.8986	21.5762	No change
NM_026728	Echdc2	0.67081	1	0.832914	37.0823	62.9154	No change
NM_011213	Ptprf	0.671426	1	0.766449	18.4712	29.916	No change
NM_001145974	Elov4	0.671455	1	0.887003	8.78443	15.4815	No change
NM_025323	O610009D07Rik	0.672345	1	1.00843	9.24243	17.7548	No change
NM_172588	Serinc5	0.672488	1	0.809441	12.594	21.0189	No change
NM_008528	Bink	0.672688	1	0.969269	6.41428	11.9823	No change
NM_177260	Tmem154	0.673026	1	0.947076	4.75463	8.74295	No change
NM_172404	Ccbl1	0.67332	1	0.855675	19.3068	33.2835	No change
NM_173774	Slc45a1	0.673395	1	1.38516	0.761374	1.93273	No change
NM_026329	Polr2g	0.673396	1	0.847858	46.8902	80.3927	No change
NM_029988	Pigh	0.67358	1	0.882763	11.8872	20.8869	No change
NM_026752	Zfyve21	0.673764	1	0.907578	16.9178	30.2509	No change
NM_026878	Rasl11b	0.673952	1	1.04171	4.80913	9.46114	No change
NM_008828	Pgk1	0.674368	1	0.846955	23.102	39.5827	No change
NM_011220	Pts	0.674377	1	0.928089	18.0287	32.7079	No change
NM_011399	Slc25a17	0.674476	1	0.883385	16.8066	29.5433	No change
NM_009120	Sar1a	0.674635	1	0.800051	30.802	51.0704	No change
NM_019490	Uso1	0.675274	1	0.861509	9.11837	15.7837	No change
NM_001161712	Gcat	0.675301	1	1.24314	1.85795	4.23498	No change
NM_145609	8430410K20Rik	0.675463	1	0.85392	14.183	24.4199	No change
NM_199476	Rrm2b	0.675609	1	0.886001	6.11667	10.7718	No change
NM_009761	Bnip3l	0.675933	1	0.793016	28.4843	46.9957	No change
NM_001081226	2310009B15Rik	0.675941	1	1.37689	3.53957	8.92672	No change
NM_144549	Trib1	0.675956	1	0.912569	5.36632	9.62919	No change
NM_030063	Acbd7	0.676033	1	1.21882	6.77389	15.1633	No change
NM_053257	Rpl3l	0.676055	1	0.871991	30.7883	53.6878	No change
NM_029011	Pyroxd2	0.676258	1	0.884619	9.02724	15.8819	No change
NM_023231	Stoml2	0.676456	1	0.910184	14.3168	25.6463	No change
NM_001166503	Slc39a11	0.676468	1	0.892421	9.53131	16.8612	No change
NM_009720	Atox1	0.676741	1	0.829898	121.406	205.539	No change
NM_001122758	Pcdh7	0.67675	1	0.919807	2.63791	4.75762	No change
NM_025745	Erlec1	0.676876	1	0.830226	15.1489	25.6528	No change
NM_021458	Fzd3	0.676942	1	0.82464	4.49597	7.58363	No change
NM_145544	Rap1gds1	0.677186	1	0.881194	8.36474	14.6808	No change
NM_020259	Hhip	0.677224	1	0.945056	1.83483	3.36891	No change
NM_026767	Dpm3	0.67768	1	0.957453	37.6066	69.6586	No change
NM_007755	Cpeb1	0.67816	1	0.924821	7.57764	13.715	No change
NR_003964	Tubb2a-ps2	0.678267	1	1.24061	4.75179	10.8094	No change
NM_007974	F2rl1	0.678348	1	1.0473	3.0587	6.04117	No change
NM_183161	Slc17a9	0.678452	1	0.864257	16.2416	28.1674	No change
NM_001083955_2	Hba-a2	0.678585	1	1.12263	10.0269	20.9125	No change
NM_145583	Pgap2	0.678602	1	0.793907	81.1102	133.904	No change
NM_025647	Cmpk1	0.678656	1	0.858133	20.3889	35.2081	No change
NM_001136556	Fer1l4	0.679023	1	1.05677	1.31281	2.61058	No change
NM_175274	Ttyh3	0.679181	1	0.860406	8.06451	13.9482	No change
NM_198295	Tmx3	0.679711	1	0.876589	6.86198	12.0041	No change

NM_026013	Dram2	0.679746	1	0.987591	5.64649	10.6853	No change
NM_001161620	Mpp7	0.679922	1	0.942486	9.72187	17.817	No change
NM_176940	Nwd1	0.679926	1	1.03927	1.15523	2.26845	No change
NM_025378	Ifitm3	0.680092	1	0.853251	63.6701	109.57	No change
NM_011694	Vdac1	0.680509	1	0.831579	30.9396	52.4407	No change
NM_025574	Pigy	0.680974	1	0.918531	3.95485	7.12602	No change
NM_031258	Chrdl1	0.681203	1	0.886276	6.93603	12.2165	No change
NM_023217	Pgpep1	0.681228	1	0.872847	15.5594	27.147	No change
NM_026398	Pop5	0.681355	1	0.988324	12.6138	23.8819	No change
NM_009902	Cldn3	0.681367	1	0.824076	48.614	81.9656	No change
NM_026455	Fam32a	0.681498	1	0.865668	18.9016	32.8123	No change
NM_025791	Tmem223	0.681678	1	1.00625	14.8144	28.4093	No change
NM_009874	Cdk7	0.681689	1	0.837447	6.75188	11.4911	No change
NM_153548	E430025E21Rik	0.681689	1	0.837447	12.7661	21.7267	No change
NM_001142950	Nars	0.682032	1	0.792289	39.2647	64.7473	No change
NM_026428	Dcxr	0.682765	1	0.914217	24.5975	44.1851	No change
NR_038063	Rplp2-ps1	0.682796	1	0.780087	162.701	266.018	No change
NM_007386	Aco1	0.683167	1	0.813769	17.04	28.5236	No change
NM_023214	Slc30a7	0.683267	1	0.816934	7.78058	13.0529	No change
NM_009705	Arg2	0.683401	1	1.00694	7.86935	15.0979	No change
NM_024236	Qdpr	0.683933	1	0.857143	29.547	50.985	No change
NM_028758	Gga2	0.684471	1	0.819698	14.007	23.5438	No change
NM_146094	Fads1	0.684795	1	0.784266	37.0836	60.8085	No change
NM_020003	O610031J06Rik	0.684908	1	0.890593	18.7722	33.163	No change
NM_001163136	Macc1	0.685033	1	1.02271	2.66645	5.17362	No change
NM_010306	Gnai3	0.68507	1	0.776995	46.8816	76.4861	No change
NM_026485	Trabd	0.685202	1	0.854539	18.0804	31.1415	No change
NM_013649	Ryk	0.685203	1	0.90174	7.93565	14.1297	No change
NM_028203	Wdr89	0.685348	1	0.781172	46.4074	75.9332	No change
NM_007488	Arnt2	0.686525	1	0.842181	8.56327	14.6219	No change
NM_011040	Pax8	0.686575	1	0.820964	27.4414	46.1655	No change
NM_008591	Met	0.686739	1	0.92121	3.30025	5.9574	No change
NM_178745	Tmem229b	0.687462	1	0.912221	6.20294	11.1262	No change
NM_022324	Sdf2l1	0.687715	1	0.832481	53.7164	91.0994	No change
NM_007440	Alox12	0.687775	1	0.945669	6.01163	11.0411	No change
NM_133768	Asl	0.687927	1	0.846733	32.18	55.1227	No change
NM_019424	Hps1	0.687961	1	0.974957	5.21305	9.77546	No change
NR_002885	Gm10052	0.688086	1	0.841992	37.8089	64.5498	No change
NM_172840	Vwa2	0.688455	1	1.01764	2.76474	5.34456	No change
NM_025558	Cyb5b	0.688831	1	0.762302	55.183	89.1118	No change
NM_144797	Metrl	0.688872	1	1.0308	4.00989	7.82487	No change
NM_183019	Arhgef4	0.689307	1	1.03819	3.49235	6.85109	No change
NM_008413	Jak2	0.689503	1	0.871133	7.41267	12.9167	No change
NM_023737	Ehhadh	0.689624	1	0.973956	4.8623	9.11101	No change
NM_011851	Nt5e	0.689637	1	0.862432	11.5441	19.9932	No change
NM_001164256	Tpm1	0.689894	1	0.820255	47.5711	79.989	No change
NM_001164661	Cyfp1	0.689958	1	0.855718	6.90093	11.8955	No change
NM_025902	Cisd2	0.690026	1	0.880085	11.8301	20.7441	No change
NM_001177967	Lclat1	0.690314	1	0.833806	13.6005	23.0866	No change
NM_013555	Hoxd9	0.690316	1	0.9799	6.7038	12.6147	No change
NM_153194	Zfp740	0.690931	1	0.843988	14.1998	24.2763	No change
NM_028763	Cbx6	0.691023	1	0.87722	6.49734	11.3701	No change
NM_011197	Ptgrn	0.691119	1	0.893139	5.16735	9.14448	No change
NM_001110233	Ngfrap1	0.691864	1	0.924416	23.9033	43.2439	No change
NM_133977	Trf	0.692389	1	0.82217	31.8878	53.6893	No change
NM_008303	Hspe1	0.692728	1	0.943601	24.7737	45.4302	No change
NM_146131	Pbxip1	0.692731	1	0.848463	11.4159	19.5779	No change
NM_028303	Pdzd11	0.69283	1	0.963914	15.9298	29.6359	No change
NM_013535	Grcc10	0.693133	1	0.842834	97.8405	167.132	No change
NM_025596	Preld1	0.693448	1	0.871321	35.7104	62.232	No change
NR_030730	Gm3428	0.693791	1	0.991753	25.4159	48.2281	No change
NM_029572	Erp44	0.693895	1	0.81809	30.726	51.5854	No change
NM_009984	Ctsl	0.693928	1	0.747429	227.996	364.382	No change
NM_175090	Slc31a1	0.694125	1	0.827273	18.8379	31.8304	No change
NM_001083891	Ndufv3	0.694244	1	0.95732	35.3473	65.4521	No change
NM_010150	Nr2f6	0.694368	1	0.963204	7.41548	13.7885	No change
NM_011946	Map3k2	0.694654	1	0.824574	6.87177	11.5893	No change
NM_031869	Prkab1	0.695118	1	0.93719	9.99011	18.2365	No change
NM_016696	Gpc1	0.695473	1	0.852826	14.0877	24.2335	No change
NM_029565	Tmem59	0.695655	1	0.826643	47.2143	79.7419	No change
NM_023842	Dsp	0.696276	1	0.783228	17.5177	28.7029	No change
NM_176838	Esrp2	0.696475	1	0.871708	14.9975	26.1424	No change
NM_011631	Hsp90b1	0.696535	1	0.72521	571.437	899.274	No change
NM_008744	Ntn1	0.696797	1	0.889183	5.75714	10.1593	No change
NM_008097	Gcdh	0.696806	1	0.884472	15.9746	28.0964	No change
NM_018754	Sfn	0.696894	1	0.988983	8.55499	16.2008	No change

NM_009213	Smpd2	0.697035	1	0.942668	12.3986	22.7204	No change
NM_026998	Snx6	0.697382	1	0.841712	31.7865	54.254	No change
NM_019953	Cnpy2	0.697864	1	0.966579	16.1726	30.1423	No change
NM_133684	Mosc2	0.698036	1	0.817084	47.0418	78.9205	No change
NM_021550	C1galt1c1	0.698401	1	0.987678	9.34172	17.6738	No change
NM_027992	Tmem106b	0.698777	1	0.810675	16.5237	27.5974	No change
NM_001190297	Gpr155	0.698992	1	0.840735	12.6805	21.6284	No change
NM_145839	Rasgef1b	0.699061	1	0.868482	14.3294	24.9208	No change
NM_029999	Lbh	0.699147	1	0.925459	7.67804	13.8996	No change
NM_008133	Glud1	0.699316	1	0.898231	9.75436	17.3226	No change
NM_008516	Lrrn1	0.699344	1	1.14992	1.4473	3.0773	No change
NM_019776	Snd1	0.699485	1	0.842241	17.5333	29.937	No change
NM_001109993	Tmem141	0.69953	1	0.964477	16.0525	29.8732	No change
NM_007452	Prdx3	0.699576	1	0.835066	47.0246	79.8892	No change
NM_010288	Gja1	0.700048	1	0.779382	65.1141	106.403	No change
NM_134017	Mat2b	0.70008	1	0.875824	21.4295	37.4612	No change
NM_184053	Calu	0.7008	1	0.810381	32.5927	54.4236	No change
NM_172371	Slc16a13	0.70106	1	0.93195	8.93216	16.2438	No change
NM_019969	Plag1	0.70117	1	1.01402	2.5712	4.95644	No change
NM_126166	Tlr3	0.701224	1	1.08738	1.75561	3.56715	No change
NM_019552	Abcb10	0.701355	1	0.90131	7.07288	12.5876	No change
NM_016965	Nckap1	0.701629	1	0.789844	48.1081	79.1884	No change
NM_024169	Fkbp11	0.701797	1	0.978291	21.0215	39.5045	No change
NM_001077411	Gba	0.702256	1	0.926576	13.4763	24.4146	No change
NM_145937	Sumf1	0.702534	1	0.885507	14.0672	24.7584	No change
NM_015784	Postn	0.702975	1	0.912858	8.56525	15.3678	No change
NM_144848	Eppk1	0.70312	1	0.761082	30.9363	49.9129	No change
NM_028058	Fundc1	0.703511	1	0.90167	15.9043	28.3114	No change
NM_029384	2210411K11Rik	0.70394	1	1.63742	0.994666	3.07383	No change
NM_001098227	Sdcbp	0.704512	1	0.816133	39.5009	66.2232	No change
NM_198167	Tmem63b	0.704654	1	0.924061	7.75084	14.0166	No change
NR_002142	Rpph1	0.704776	1	0.729529	6953.93	10976.2	No change
NM_019793	Tspan3	0.704886	1	0.795158	89.8471	148.44	No change
NM_011981	Zfp260	0.704939	1	0.878664	10.9528	19.1842	No change
NM_008604	Mme	0.70496	1	0.92121	6.09813	11.0057	No change
NM_175194	Slc25a16	0.705208	1	0.94018	6.9227	12.6623	No change
NM_009083	Rpl30	0.705474	1	0.897248	57.6936	102.38	No change
NM_029631	Abhd14b	0.705833	1	0.87968	27.5464	48.2825	No change
NM_172416	Ostm1	0.706044	1	0.908576	9.84364	17.6078	No change
NM_010121	Eif2ak3	0.707024	1	0.934722	5.16187	9.405	No change
NM_008276	Hoxd8	0.707035	1	0.848239	43.7539	75.0175	No change
NM_009197	Slc16a2	0.70704	1	0.915545	6.70608	12.0544	No change
NM_145625	Eif4b	0.707587	1	0.789531	49.0238	80.6764	No change
NM_054097	Pip4k2c	0.707611	1	0.826228	26.3776	44.5342	No change
NM_008063	Slc37a4	0.708112	1	0.886254	18.5179	32.6072	No change
NM_008402	Itgav	0.708112	1	0.886254	5.47347	9.63794	No change
NM_025344	Eif3f	0.7082	1	0.934562	15.585	28.3924	No change
NM_008448	Kif5b	0.708255	1	0.78647	34.4304	56.5399	No change
NM_139272	Galnt2	0.708296	1	0.858895	13.2773	22.9347	No change
NM_008132	Glrp1	0.708754	1	1.1588	2.77775	5.94284	No change
NM_026497	Nudt12	0.709039	1	1.02243	5.1964	10.0759	No change
NM_178615	Rgmb	0.709065	1	0.994616	5.47909	10.4156	No change
NM_031176	Tnxb	0.709112	1	0.987131	1.59502	3.01599	No change
NM_026020	Rplp2	0.709121	1	0.998675	31.7648	60.5584	No change
NM_008557	Fxyd3	0.709584	1	1.0283	21.8123	42.4718	No change
NM_001163567	Fam102b	0.709744	1	0.876451	7.76131	13.5725	No change
NM_145453	Zcchc9	0.709987	1	1.04443	6.73274	13.2616	No change
NM_015754	Rbbp9	0.710341	1	0.993265	6.80797	12.929	No change
NM_011295	Rps12	0.710358	1	0.98773	29.5993	55.9914	No change
NM_010380	H2-D1	0.710691	1	0.797191	97.4336	161.199	No change
NM_007956	Esr1	0.710922	1	0.909532	7.13227	12.7658	No change
NM_009846	Cd24a	0.711117	1	0.805903	77.33	128.718	No change
NM_027168	Hddc2	0.71167	1	1.26161	4.85327	11.1986	No change
NM_026871	Hint2	0.711689	1	0.997797	24.2923	46.2815	No change
NM_009758	Bmpr1a	0.711934	1	0.815145	21.5398	36.0854	No change
NM_175002	Mmgt2	0.712056	1	0.939604	12.3249	22.5324	No change
NM_001081356	Vma21	0.712084	1	0.9483	5.14265	9.45976	No change
NM_031880	Tnk1	0.712263	1	0.97125	5.49752	10.2781	No change
NM_001172062	Lman1	0.712346	1	0.86249	31.4858	54.5232	No change
NM_011289	Rpl27	0.712417	1	0.85306	85.4546	147.005	No change
NM_153558	Lcn13	0.71256	1	1.11385	9.77461	20.2384	No change
NM_133739	Tmem123	0.712889	1	0.837922	27.8043	47.327	No change
NM_008580	Map3k5	0.712966	1	0.963612	3.51502	6.53613	No change
NM_025988	Acbd4	0.713094	1	1.07354	4.22992	8.50702	No change
NM_173385	Cilp	0.713547	1	0.91542	7.16564	12.8785	No change
NM_019807	Acpp	0.713745	1	1.03889	4.10266	8.04856	No change

NM_023733	Crot	0.713991	1	0.862189	20.0899	34.7814	No change
NM_026034	Armc10	0.714067	1	0.982756	8.132	15.3278	No change
NM_025582	2810405K02Rik	0.714255	1	1.12912	8.25662	17.2847	No change
NM_008485	Lamc2	0.714726	1	0.923269	5.38487	9.73154	No change
NM_009853	Cd68	0.715008	1	1.18142	4.97807	10.8256	No change
NM_027978	Coq2	0.715063	1	0.964763	11.1541	20.7573	No change
NM_026170	Ergic1	0.715389	1	0.837745	30.4986	51.9059	No change
NM_001009949	Mcart1	0.715547	1	0.888597	9.22014	16.261	No change
NR_027492	Hspa13	0.715638	1	0.822419	26.4468	44.5308	No change
NM_026163	Pkp2	0.715717	1	0.970327	6.3401	11.8451	No change
NM_008394	Irf9	0.715924	1	0.930474	10.6566	19.3564	No change
NM_001033208	Gcom1	0.715997	1	0.944749	10.0434	18.4273	No change
NM_080554	Psmc5	0.716244	1	0.896574	18.3959	32.6259	No change
NM_177353	Slc9a7	0.716306	1	1.03659	4.57281	8.9557	No change
NM_001163223	Zfp804b	0.716377	1	1.13744	1.55565	3.27618	No change
NM_007409	Adh1	0.716586	1	0.974942	13.3221	24.9708	No change
NM_024465	Abhd12	0.717109	1	0.812614	70.189	117.377	No change
NM_001199349	Cd99l2	0.717599	1	0.898386	10.3765	18.4263	No change
NM_027395	Basp1	0.717678	1	0.867993	29.4551	51.2019	No change
NM_023580	Epha1	0.717682	1	1.01325	4.08831	7.87441	No change
NM_001033344	Dusp27	0.717724	1	1.33109	0.675286	1.64094	No change
NR_028405	Marcks1-ps4	0.717816	1	1.4258	1.87095	4.88702	No change
NM_172921	Fam55d	0.718152	1	1.05767	3.1409	6.24466	No change
NM_001166065	Gcnt4	0.718231	1	0.825008	21.585	36.4098	No change
NR_028101	Gm12191	0.718265	1	0.910692	68.6723	123.006	No change
NM_001080126	Casp8	0.718422	1	1.02075	5.28765	10.3062	No change
NM_001002268	Gpr126	0.719001	1	0.924716	4.39264	7.94612	No change
NM_172778	Maob	0.719247	1	0.965825	8.11929	15.1202	No change
NM_022305	B4galt1	0.719345	1	0.837686	22.4188	38.1525	No change
NM_001099327	Gm14305	0.719396	1	0.919318	18.7023	33.7032	No change
NM_001012310	Slc25a47	0.719723	1	0.960232	13.0564	24.2181	No change
NM_013647	Rps16	0.719795	1	0.866474	93.3772	162.143	No change
NM_011770	Ikzf2	0.719901	1	0.990583	1.70885	3.23863	No change
NM_007798	Ctsb	0.719997	1	0.814624	29.6688	49.684	No change
NM_198105	Fam120c	0.720165	1	0.892682	5.33526	9.43613	No change
NM_001177406_2	Gm14431	0.720734	1	0.887838	12.2439	21.5813	No change
NM_001177407_2	Gm8898	0.720734	1	0.887838	12.2439	21.5813	No change
NM_009794	Capn2	0.72091	1	0.905144	11.269	20.106	No change
NM_146102	Afap1l2	0.7211	1	0.956671	5.35566	9.90898	No change
NM_016738	Rpl13	0.721831	1	0.826903	145.925	246.47	No change
NM_008218	Hba-a1	0.724143	1	1.13646	11.7194	24.6581	No change
NM_007450	Slc25a4	0.72435	1	0.847163	74.8109	128.156	No change
NM_020606	Parva	0.724362	1	0.893215	9.64738	17.0685	No change
NM_153459	Dusp7	0.72439	1	1.05205	3.34144	6.61586	No change
NM_172772	Fam63b	0.724685	1	0.85082	9.66784	16.604	No change
NM_018881	Fmo2	0.72469	1	0.92403	9.12944	16.5059	No change
NM_146106	Lyplal1	0.724838	1	0.939138	16.6167	30.3643	No change
NM_001162926	Fam84b	0.724855	1	0.87126	10.3481	18.0284	No change
NM_008991	Abcd3	0.724876	1	0.838166	28.6235	48.7266	No change
NM_009672	Anp32a	0.725114	1	0.93413	13.2113	24.0563	No change
NM_011727	Xlr3c	0.725564	1	1.22404	2.72788	6.11855	No change
NM_011185	Psemb1	0.72571	1	0.840948	90.6815	154.669	No change
NM_025681	Lix1	0.725718	1	1.12821	2.22424	4.65183	No change
NM_001163187	Plekhhb1	0.725851	1	1.05245	5.998	11.8788	No change
NM_009416	Tpm2	0.72592	1	0.956399	10.7297	19.8469	No change
NM_173021	Phka1	0.725926	1	0.901815	6.64301	11.8241	No change
NM_175245	Mzt1	0.726202	1	0.897043	18.5662	32.936	No change
NM_001110504	Capn1	0.726562	1	0.87505	18.3318	32.0222	No change
NM_027769	Cpne3	0.726844	1	0.854229	13.5535	23.3327	No change
NM_018775	Tbc1d8	0.726864	1	0.817962	34.1555	57.3292	No change
NM_001081032	Gm8909	0.726926	1	1.24456	2.92741	6.66593	No change
NM_175543	Rab11fip4	0.727004	1	0.871837	18.703	32.597	No change
NM_025982	Tspan31	0.727025	1	0.909407	23.7128	42.4325	No change
NM_009084	Rpl37a	0.727086	1	0.848902	142.586	244.553	No change
NM_145517	Ormdl1	0.727097	1	0.980413	10.0047	18.8228	No change
NM_001163630	Satb1	0.727309	1	1.05996	1.64126	3.26787	No change
NM_012006	Acot1	0.727309	1	1.05996	6.66511	13.2707	No change
NM_009481	Usp9x	0.728198	1	0.781638	37.4873	61.3499	No change
NM_001161373	F8	0.728205	1	0.983794	2.48323	4.68309	No change
NM_025641	Uqcrh	0.728461	1	0.832596	211.376	358.429	No change
NM_011925	Cd97	0.728512	1	0.851308	25.3448	43.5424	No change
NM_175484	Coro2b	0.728518	1	1.08562	2.47111	5.01145	No change
NM_001163592	Nhsl1	0.728528	1	0.838348	15.2367	25.9407	No change
NM_010239	Fth1	0.728656	1	0.835652	126.107	214.295	No change
NM_016667	Sntb1	0.728992	1	1.18882	2.39539	5.23511	No change
NM_010559	Il6ra	0.729061	1	1.11385	2.27237	4.70303	No change

NR_033639	Rps19-ps3	0.729243	1	0.961349	52.0243	96.5639	No change
NM_133974	Cdcp1	0.729723	1	0.915496	9.14392	16.4323	No change
NM_001177471	Gm15056	0.729813	1	1.03813	38.8416	76.135	No change
NM_025635	Zwint	0.73019	1	0.93072	11.2248	20.3891	No change
NM_019671	Net1	0.730866	1	0.873983	17.4535	30.4643	No change
NM_001101507	Clec2l	0.731067	1	1.06461	7.22308	14.4286	No change
NM_009847	Cd2ap	0.731137	1	0.842244	18.7173	31.9529	No change
NM_001042660	Smad7	0.731393	1	1.30073	0.721881	1.71354	No change
NM_011063	Pea15a	0.731471	1	0.851284	34.9731	60.0818	No change
NM_146033	Ankmy2	0.731529	1	0.989866	7.23712	13.7066	No change
NM_001033416	Gal3st4	0.731718	1	0.906725	12.5853	22.4772	No change
NM_009484	Uty	0.731817	1	0.889263	9.4648	16.6981	No change
NM_008051	Fut1	0.731836	1	0.976351	7.70461	14.4529	No change
NM_174868	Fam73a	0.73186	1	0.888449	9.3462	16.4795	No change
NM_001146351	Ephb6	0.731872	1	0.977625	5.22697	9.81398	No change
NM_010595	Kcna1	0.73203	1	0.908991	4.33541	7.75535	No change
NM_008425	Kcnj2	0.732046	1	1.08143	1.71418	3.46568	No change
NM_008270	Hoxb9	0.732168	1	0.956233	8.83104	16.3318	No change
NM_008525	Alad	0.732313	1	0.864335	52.6053	91.2011	No change
NM_198899	Uggt1	0.732314	1	0.801621	29.1847	48.4305	No change
NM_145380	Eif3m	0.732448	1	0.880016	45.9894	80.6115	No change
NM_001110193	Inpp5d	0.73255	1	0.881739	11.6228	20.3974	No change
NM_133352	Tm9sf3	0.732878	1	0.794116	55.0828	90.9306	No change
NM_028922	Ppapdc2	0.732901	1	0.862155	25.7298	44.5393	No change
NM_001001491	Tpm4	0.733347	1	0.89012	23.9674	42.3091	No change
NM_011207	Ptpn3	0.733516	1	0.864026	11.4131	19.7823	No change
NM_181796	Gstp2	0.73364	1	0.913556	49.9528	89.6432	No change
NM_010575	Itga2b	0.734123	1	1.11385	2.27105	4.69973	No change
NM_007510	Atp6v1e1	0.734217	1	0.849322	78.0283	133.863	No change
NM_010330	Emb	0.734234	1	0.891631	18.8718	33.3491	No change
NM_133994	Gstt3	0.734646	1	0.855799	45.172	77.847	No change
NM_015732	Axin2	0.735204	1	0.987345	4.37013	8.26153	No change
NM_007506	Atp5g1	0.735941	1	0.87832	76.1557	133.326	No change
NM_144796	Susd4	0.735968	1	0.93264	15.3427	27.905	No change
NM_181348	Prune2	0.736027	1	1.00504	1.29783	2.48445	No change
NM_028133	Egln3	0.736633	1	1.18511	2.03141	4.42657	No change
NM_001190302	Gm14326	0.736735	1	0.877304	13.2011	23.0947	No change
NM_026672	Gstm7	0.736872	1	0.793513	303.284	500.446	No change
NM_198052	Tbx3	0.737044	1	0.971041	4.32979	8.09114	No change
NM_011276	Rlim	0.737199	1	0.815537	27.6147	46.2707	No change
NM_025337	Akr7a5	0.737225	1	0.953968	15.4779	28.577	No change
NM_030750	Sgpp1	0.737593	1	0.8109	70.6574	118.01	No change
NM_138956	Rassf3	0.737991	1	0.954428	7.47001	13.7963	No change
NM_145438	Llg12	0.738175	1	1.04953	3.36462	6.64806	No change
NM_194055	Esrp1	0.738366	1	0.891144	13.5995	24.0232	No change
NM_011141	Pou3f1	0.738527	1	1.50617	0.532361	1.47826	No change
NM_027011	Krt5	0.738527	1	1.01549	6.96929	13.4403	No change
NM_007838	Ddost	0.73857	1	0.866383	36.1605	62.7785	No change
NM_007591	Calr	0.738756	1	0.770736	644.166	1046.23	No change
NM_001110500	Canx	0.739032	1	0.780357	175.65	287.198	No change
NM_013767	Csnk1e	0.739053	1	0.989288	6.84304	12.9536	No change
NM_011404	Slc7a5	0.739272	1	0.808989	73.9781	123.391	No change
NR_028526	Snord49b	0.739648	1	1.53707	23.231	66.0933	No change
NM_020600	Rps14	0.739729	1	0.863109	136.351	236.177	No change
NM_146057	Dap	0.739975	1	0.857765	60.4225	104.269	No change
NM_009735	B2m	0.740332	1	0.804116	362.517	602.609	No change
NM_177186	Slc35e2	0.740634	1	0.860299	13.768	23.801	No change
NM_178606	Reep3	0.741233	1	0.884721	10.913	19.1906	No change
NM_012008	Ddx3y	0.741402	1	0.868938	16.3869	28.4998	No change
NM_001033293	Uap1l1	0.741763	1	1.00423	10.1034	19.3283	No change
NM_001110338	Gprc5c	0.741781	1	0.964629	13.284	24.7104	No change
NM_026667	Fam114a1	0.742282	1	0.976121	7.37341	13.8275	No change
NM_001111331	Kcnip3	0.742898	1	1.01167	5.54592	10.6657	No change
NM_146234	Mmgt1	0.743273	1	0.954377	6.58704	12.1644	No change
NM_001082485	Zfp266	0.743302	1	0.863686	13.6081	23.58	No change
NM_008929	Dnajc3	0.744413	1	0.815773	47.3214	79.3021	No change
NM_177290	Itgb8	0.744364	1	1.12679	2.47617	5.17099	No change
NM_012056	Fkbp9	0.744619	1	0.880182	22.2666	39.0308	No change
NM_007453	Prdx6	0.745407	1	0.809976	129.831	216.696	No change
NM_008706	Nqo1	0.745733	1	1.00605	11.1814	21.417	No change
NM_001110331	Eci2	0.745756	1	0.944547	21.3575	39.1679	No change
NM_025335	Tmem167	0.74629	1	0.900001	4.79062	8.51476	No change
NM_007833	Dcn	0.746344	1	0.868697	46.0735	80.1146	No change
NM_013721	Rpl7a	0.746421	1	0.846909	142.935	244.787	No change
NM_001037665	Zfp1	0.74647	1	1.05496	6.48133	12.8541	No change
NM_013677	Surf1	0.747069	1	0.976573	19.1685	35.9564	No change

NR_027961	9130230L23Rik	0.748377	1	0.988768	14.092	26.6624	No change
NM_010468	Hoxd3	0.748631	1	1.01241	5.81175	11.1818	No change
NM_080456	Mrps6	0.749602	1	0.946348	39.8501	73.1716	No change
NM_008705	Nme2	0.74967	1	0.904741	66.9383	119.368	No change
NM_178715	Tmem30b	0.749854	1	0.933563	10.9147	19.8617	No change
NM_001024672	AB099516	0.749887	1	1.02826	10.389	20.2144	No change
NM_030694	Ifitm2	0.750316	1	0.934885	56.5769	103.049	No change
NM_012005	Med14	0.750553	1	0.889361	12.553	22.145	No change
NM_008302	Hsp90ab1	0.750917	1	0.790945	316.718	521.666	No change
NM_031868	Ppp1ca	0.752183	1	0.86213	75.3175	130.361	No change
NR_030738	2410006H16Rik	0.752186	1	1.29941	7.55889	17.9088	No change
NM_023794	Etv5	0.752318	1	0.853461	31.8377	54.773	No change
NM_029802	Arfp2	0.752429	1	0.931422	11.5269	20.9436	No change
NM_181075	2610524H06Rik	0.753025	1	1.00325	19.9123	38.0606	No change
NM_013703	Vldlr	0.753627	1	0.959871	3.38902	6.28214	No change
NM_008253	Hmgb3	0.753888	1	0.906157	31.8163	56.7912	No change
NM_053196	Sfxn2	0.753945	1	1.06641	3.66691	7.33108	No change
NM_001163434	Hspa5	0.754026	1	0.789612	396.705	652.805	No change
NM_011176	St14	0.754027	1	0.895126	15.337	27.1651	No change
NM_008911	Ppox	0.754483	1	1.06019	6.77411	13.483	No change
NM_024173	Atp6v1g1	0.754515	1	0.847869	130.969	224.437	No change
NM_019427	Epb4.1l4b	0.755001	1	0.961455	9.4694	17.5726	No change
NM_008408	Stt3a	0.755084	1	0.829598	83.8538	141.878	No change
NM_010447	Hnrnpa1	0.755322	1	0.886754	40.4924	71.3012	No change
NM_134021	Pnpo	0.755718	1	0.962649	13.7264	25.4936	No change
NM_030143	Ddit4l	0.755818	1	0.855113	46.3851	79.8909	No change
NM_146026	Prr15l	0.756185	1	1.04674	10.0804	19.8717	No change
NM_001204979	Sars	0.756486	1	0.874334	24.5038	42.7741	No change
NM_172436	Slc25a12	0.756961	1	1.04206	4.88613	9.59996	No change
NM_001037999	Dbi	0.757	1	0.888404	120.112	211.741	No change
NM_025799	Fuca2	0.757207	1	0.917568	11.968	21.5337	No change
NM_031248	Lamtor2	0.757532	1	0.993458	37.2265	70.6594	No change
NM_145367	Txndc5	0.757592	1	0.860777	44.58	77.0855	No change
NM_145516	Plekhh2	0.757623	1	0.893997	19.8973	35.2137	No change
NM_001039056	Kcnj15	0.757663	1	0.934493	7.81248	14.2248	No change
NR_002883_2	Gm5643	0.758067	1	0.889577	40.9958	72.3292	No change
NM_001145959	Ndrp2	0.758449	1	0.889702	33.7426	59.5373	No change
NM_001145804	Nucks1	0.758503	1	0.849878	24.5121	42.0636	No change
NM_025698	Tmed7	0.758645	1	0.844312	49.3221	84.3107	No change
NM_001033123_2	Gm14288	0.758828	1	0.919385	13.9468	25.1258	No change
NM_001199308_2	Gm14440	0.758828	1	0.919385	13.951	25.1332	No change
NM_028060	Slc35f2	0.759516	1	0.924753	17.3147	31.3107	No change
NM_026662	Prps2	0.759706	1	0.949158	9.21449	16.9512	No change
NM_053119	Echs1	0.759712	1	0.90605	38.282	68.3242	No change
NM_001111060	Cd59a	0.760448	1	1.04092	8.17196	16.0418	No change
NM_133674	Arhgef5	0.76072	1	0.922759	8.55856	15.4549	No change
NM_009753	Bicd1	0.760904	1	0.988324	4.33194	8.19228	No change
NM_009154	Sema5a	0.760997	1	0.911108	5.00984	8.97304	No change
NM_001168571	Ctps2	0.761072	1	1.09875	1.83301	3.74998	No change
NM_001193619	Cldn7	0.761228	1	0.997784	21.3518	40.6501	No change
NM_015790	Icosl	0.761278	1	1.02309	6.21353	12.0435	No change
NM_144942	Csad	0.761699	1	0.961852	13.2001	24.5008	No change
NM_001163507	Mmrn1	0.762465	1	1.21216	1.15829	2.57226	No change
NM_001190436	Fau	0.763325	1	0.854873	201.882	347.64	No change
NM_025509	Ostc	0.763338	1	0.924264	44.1651	79.8353	No change
NM_010242	Fut4	0.763655	1	0.952255	9.22518	17.0072	No change
NM_001167588	Pate-n	0.763926	1	1.11944	25.4151	52.7694	No change
NM_023716	Tubb2b	0.764293	1	0.969279	14.7943	27.6033	No change
NM_146119	Fam129b	0.764475	1	1.03585	4.28386	8.37853	No change
NM_026198	Tmem167b	0.76477	1	0.896165	24.8208	43.992	No change
NM_176834	Rnf208	0.765205	1	1.73053	0.731959	2.42355	No change
NM_032394	Myo7b	0.765323	1	1.07909	1.76585	3.56177	No change
NM_009864	Cdh1	0.765385	1	0.907213	13.7712	24.5973	No change
NM_007921	Elf3	0.765605	1	0.931982	22.5604	41.0023	No change
NM_001039546	Myo6	0.766538	1	0.8644	16.4755	28.5594	No change
NM_011519	Sdc1	0.76659	1	0.875106	34.3676	60.0216	No change
NM_028123	Slc37a3	0.766939	1	0.936459	10.3579	18.884	No change
NM_001136061	Ednrb	0.767251	1	1.27058	1.07828	2.49917	No change
NM_175116	Lpar6	0.767374	1	1.05276	5.76068	11.4028	No change
NM_019657	Hsd17b12	0.768694	1	0.933357	24.2921	44.1911	No change
NM_145949	Ido2	0.768786	1	1.171	2.26606	4.88293	No change
NM_009551	Zfand5	0.768855	1	0.904331	23.5343	41.9498	No change
NM_007560	Bmpr1b	0.769046	1	0.977632	5.13293	9.63312	No change
NM_138310	Apobr	0.769755	1	0.957274	9.48862	17.5538	No change
NM_181274	Zfp869	0.76976	1	0.947716	11.7192	21.5351	No change
NM_013842	Xbp1	0.769884	1	0.889609	47.7009	84.155	No change

NM_026383	Pnrc2	0.769925	1	0.898431	38.9579	69.1558	No change
NM_013587	Lrpap1	0.770581	1	0.862171	50.9691	88.2137	No change
NM_001111063	Comt	0.770856	1	0.905071	34.2839	61.1419	No change
NM_001033242	Cln5	0.770941	1	1.03243	6.97784	13.613	No change
NM_001177568	Gm14420	0.771206	1	0.930143	10.2955	18.6866	No change
NM_025519	Chmp4c	0.771315	1	1.20535	3.23157	7.13899	No change
NM_008269	Hoxb6	0.77187	1	0.950569	28.5203	52.5128	No change
NR_024069	2010107H07Rik	0.772095	1	1.34992	7.60915	18.7048	No change
NM_012019	Aifm1	0.772109	1	0.981904	12.8766	24.238	No change
NM_011373	St6galnac4	0.772369	1	1.0211	4.34782	8.41403	No change
NR_033394	Taz	0.773324	1	0.968207	17.491	32.6069	No change
NM_011161	Mapk11	0.773425	1	1.04115	6.64965	13.0529	No change
NM_001040400	Tet2	0.773855	1	0.918976	6.30053	11.3461	No change
NM_025947	Dynlrb1	0.774048	1	1.00911	31.0875	59.6514	No change
NM_177236	Atp2b3	0.774145	1	0.972865	6.74699	12.6191	No change
NM_018860	Rpl41	0.77427	1	0.818717	1423.19	2389.73	No change
NM_021299	Ak3	0.774487	1	0.883604	37.6712	66.1803	No change
NM_027534	Kdsr	0.774561	1	0.946702	7.29141	13.3885	No change
NM_178892	Tiparp	0.774581	1	0.896632	19.8476	35.1869	No change
NM_008338	Ifngr2	0.775071	1	0.927807	25.1501	45.5717	No change
NM_025359	Tspan13	0.775305	1	0.962503	17.7947	33.0395	No change
NM_130861	Slco1a5	0.775571	1	1.00256	9.03427	17.2547	No change
NM_198937	Hn1l	0.775577	1	0.939596	17.2494	31.5153	No change
NM_016691	Cicn5	0.775775	1	0.886082	29.9715	52.7444	No change
NM_008503	Rps2	0.776413	1	0.856621	193.871	334.234	No change
NM_025865	2310030G06Rik	0.776469	1	1.1	8.7537	17.9188	No change
NM_172913	Tox3	0.778131	1	0.986985	8.53427	16.1209	No change
NM_026126	Fundc2	0.778245	1	1.04915	4.85136	9.57653	No change
NM_020564	Sult5a1	0.778339	1	1.01781	17.6636	34.1007	No change
NM_025628	Cox6b1	0.779329	1	0.904724	154.291	275.08	No change
NM_027855	0610007C21Rik	0.779483	1	1.02415	20.3785	39.5187	No change
NM_170758	Cd300a	0.779509	1	1.19943	1.33621	2.93845	No change
NM_008900	Pou3f3	0.780513	1	0.977328	10.0536	18.8615	No change
NM_025823	Pcyox1	0.780937	1	0.883956	27.1073	47.632	No change
NM_026468	Atp5g2	0.781102	1	0.952812	63.1222	116.397	No change
NM_001177543	0610010B08Rik	0.781273	1	0.905128	17.596	31.3799	No change
NM_173742	Rnasek	0.781791	1	0.97667	50.533	94.7595	No change
NM_001171034	Tmbim6	0.782361	1	0.851279	101.057	173.573	No change
NR_029464	5033406O09Rik	0.783028	1	1.30978	2.17664	5.19021	No change
NM_001141930	Ctnnbip1	0.783271	1	0.988973	10.9584	20.7278	No change
NM_015764	Greb1	0.784145	1	0.927238	7.34972	13.3114	No change
NM_133764	Atp6v0e2	0.784145	1	0.984625	16.1502	30.4544	No change
NM_001205054	Aga	0.78428	1	1.11879	8.02022	16.6373	No change
NM_026938	Tmem160	0.78472	1	1.26913	5.55833	12.8607	No change
NM_178939	Pdrg1	0.784988	1	0.918887	55.3461	99.6545	No change
NM_001100415	Gm14430	0.785201	1	0.909099	17.5691	31.4184	No change
NM_001101804	Gm14434	0.785201	1	0.909099	17.5691	31.4184	No change
NM_001109757	Atp7a	0.785532	1	0.914546	9.00892	16.1719	No change
NM_172086	Rpl32	0.78599	1	0.872488	328.829	573.188	No change
NR_037964	2610507I01Rik	0.78625	1	1.04375	6.04565	11.8869	No change
NM_001083110	Pja1	0.786375	1	0.853503	102.603	176.499	No change
NM_172458	Zfp871	0.786614	1	0.907038	7.78505	13.9016	No change
NM_011783	Agr2	0.786691	1	0.992549	36.8639	69.9017	No change
NM_024459	Ppp3r1	0.786752	1	0.92625	22.0978	39.9938	No change
NM_025786	Rnf186	0.786758	1	1.01891	17.3816	33.5787	No change
NM_139144	Ogt	0.786997	1	0.883434	24.6721	43.3359	No change
NM_028757	Nebi	0.78739	1	1.0863	4.30319	8.72092	No change
NM_018771	Gipc1	0.787698	1	0.987406	18.4583	34.8737	No change
NM_025975	Dynlt3	0.787904	1	0.915816	34.6684	62.2878	No change
NM_019770	Tmed2	0.789215	1	0.870881	94.2178	164.047	No change
NM_001099634	Myof	0.789435	1	0.894461	15.7286	27.84	No change
NM_009441	Ttc3	0.789533	1	0.893983	15.4672	27.3682	No change
NM_028132	Pgm2	0.789824	1	0.995109	12.0634	22.9153	No change
NM_009091	Rps15	0.78991	1	0.876222	318.558	556.724	No change
NM_010749	M6pr	0.789919	1	0.907931	39.5826	70.7248	No change
NM_016794	Vamp8	0.790377	1	0.958443	54.1761	100.288	No change
NM_001166064	Syde2	0.790397	1	1.14092	1.66147	3.50136	No change
NM_001161817	Myo1b	0.790418	1	0.916183	15.3183	27.5287	No change
NM_019563	Cited4	0.790594	1	1.14754	6.98037	14.7805	No change
NM_009673	Anxa5	0.79103	1	0.898987	61.1987	108.666	No change
NM_026416	S100a16	0.791194	1	1.0184	21.4794	41.4777	No change
NM_001164689	Gm6710	0.791201	1	0.944417	13.5964	24.9222	No change
NM_025586	Rpl15	0.791331	1	0.86551	122.767	212.955	No change
NM_175016	Alkbh2	0.791606	1	1.33625	3.27197	7.9543	No change
NM_029770	Unc5b	0.791722	1	1.0838	2.29261	4.6376	No change
NM_001044700	Zfp2	0.792117	1	1.17069	2.54471	5.47878	No change

NM_016903	Esd	0.792924	1	1.07805	8.74392	17.615	No change
NM_175380	Gpd1l	0.793136	1	0.978812	7.88468	14.806	No change
NM_001033330	Frmpd4	0.79345	1	1.02193	2.6148	5.06181	No change
NM_029478	Vmp1	0.793543	1	0.91328	30.7624	55.1701	No change
NM_053108	Glrx	0.793956	1	1.05024	13.3399	26.3468	No change
NM_016695	Mpp2	0.79438	1	0.955358	11.3739	21.0086	No change
NM_001163513	Dlg5	0.794892	1	0.919922	9.93965	17.9089	No change
NM_015818	Hs6st1	0.794997	1	1.00138	7.47714	14.2655	No change
NM_008687	Nfib	0.795203	1	0.896635	14.1832	25.1422	No change
NM_177388	Slc41a2	0.795215	1	0.898407	26.3295	46.7312	No change
NM_010547	Ikbkg	0.79562	1	0.953943	7.05725	13.0223	No change
NM_001190400	Bend7	0.796382	1	1.24963	1.36332	3.10832	No change
NM_011193	Pstpip1	0.796936	1	1.1604	4.55583	9.73503	No change
NM_030685	Serp1	0.797755	1	0.866868	106.318	184.593	No change
NM_001199271	Slc19a1	0.797964	1	1.31116	1.76242	4.20426	No change
NM_207625	Acs14	0.79831	1	0.88688	29.8175	52.4971	No change
NM_029751	Rpl18a	0.798345	1	0.886078	124.324	218.765	No change
NM_175414	Tspan9	0.799201	1	0.95287	12.9987	23.9669	No change
NM_145512	Sft2d2	0.799766	1	0.897127	23.4958	41.6637	No change
NM_181315	Car5b	0.799898	1	0.970491	11.9422	22.2929	No change
NM_026611	Rnaset2b	0.800762	1	0.973473	39.628	74.1297	No change
NM_175314	Adamts9	0.801334	1	1.00047	4.95333	9.44368	No change
NM_008287	Hrsp12	0.801521	1	1.07451	15.5652	31.2731	No change
NM_001111116	Gm15427	0.801567	1	0.890235	260.279	459.319	No change
NM_025283	Mobk13	0.801788	1	1.04577	6.92984	13.6418	No change
NM_008197	H1f0	0.802113	1	0.957592	21.7695	40.2707	No change
NM_175408	Tmem139	0.802325	1	1.19554	6.19763	13.5821	No change
NM_013755	Gyg	0.802982	1	1.09183	8.01022	16.2933	No change
NM_009076	Rpl12	0.803105	1	1.14466	15.0746	31.8446	No change
NM_009112	S100a10	0.803265	1	1.01514	40.4219	77.8656	No change
NM_028013	Endod1	0.803352	1	0.936404	15.3418	27.9615	No change
NM_001081667	Klh134	0.803424	1	1.06333	8.86019	17.6602	No change
NM_030069	Fam55b	0.803562	1	0.977237	11.7741	22.083	No change
NM_177376	Myo3b	0.803708	1	0.941852	10.1487	18.5674	No change
NR_038007	9330162B11Rik	0.804012	1	2.28378	0.220547	1.13593	No change
NM_144861	Rprd1a	0.804057	1	0.902434	29.551	52.5944	No change
NM_133862	Fgg	0.805074	1	1.67185	0.777925	2.45117	No change
NM_011896	Spry1	0.805084	1	1.05771	7.30516	14.5024	No change
NM_022723	Scube1	0.805323	1	0.984868	4.72993	8.91882	No change
NM_173011	Idh2	0.805784	1	0.978094	23.6817	44.442	No change
NM_001109761	Capn3	0.806558	1	1.33625	1.40821	3.42122	No change
NM_009510	Ezr	0.806693	1	0.87503	87.1729	152.211	No change
NM_021882	Pmel	0.807017	1	1.05641	8.76888	17.3916	No change
NM_001163314	Pgap1	0.807288	1	0.961411	17.6478	32.7323	No change
NM_018805	Hs3st3b1	0.80817	1	0.950088	9.99427	18.3902	No change
NM_009767	Chic1	0.80839	1	1.08114	2.09051	4.21957	No change
NM_010578	Itgb1	0.808402	1	0.901677	33.6999	59.9456	No change
NM_026211	Tmed9	0.809207	1	0.941307	47.8869	87.5741	No change
NM_183284	Spink2	0.809396	1	0.86335	699.662	1211.77	No change
NM_025589	Rpl36al	0.809555	1	0.909381	238.061	425.747	No change
NM_007379	Abca2	0.809776	1	0.889521	24.0955	42.4993	No change
NM_172575	Zfp277	0.810014	1	1.08689	6.10594	12.3747	No change
NM_001206367	Gsn	0.810049	1	0.906295	50.2106	89.6027	No change
NM_025592	Rpl35	0.811538	1	0.925647	207.229	374.838	No change
NM_001013387	Zfp182	0.811907	1	1.06571	3.03729	6.06343	No change
NM_134109	Ildr1	0.812099	1	1.04788	7.28894	14.3682	No change
NM_001161844	Cblc	0.812531	1	1.30941	2.77861	6.61603	No change
NM_025919	Rpl11	0.812613	1	0.985356	67.3464	127.024	No change
NM_176830	Leprel4	0.813465	1	1.07255	9.22022	18.4957	No change
NM_019760	Serinc1	0.813599	1	0.902795	53.7292	95.6464	No change
NM_011292	Rpl9	0.813747	1	1.02427	36.6248	70.9988	No change
NM_025387	Tmem14c	0.813764	1	1.0875	16.1055	32.6528	No change
NM_011327	Scp2	0.814228	1	0.910003	51.3006	91.7834	No change
NM_010255	Gamt	0.814443	1	0.947701	72.2031	132.631	No change
NR_027981	1810064F22Rik	0.814577	1	1.1545	4.20822	8.95048	No change
NM_008972	Ptma	0.815014	1	0.890197	183.353	323.541	No change
NM_009696	Apoe	0.815082	1	0.869818	331.975	577.541	No change
NM_019738	Nupr1	0.815396	1	1.16116	14.9183	31.8816	No change
NM_009096	Rps6	0.815885	1	0.87916	222.227	389.134	No change
NM_026062	Fam69a	0.815938	1	0.963879	20.1864	37.5031	No change
NM_181820	Tmc4	0.815979	1	0.975816	19.9929	37.4562	No change
NM_009331	Tcf7	0.816136	1	0.994141	16.8905	32.0542	No change
NM_001100416	OTTMUSG00000016609	0.816644	1	0.982831	16.7945	31.6192	No change
NM_001024849	Gm14325	0.816756	1	0.953072	14.8591	27.3974	No change
NM_028801	Muc5b	0.816911	1	0.864387	36.968	64.0712	No change
NM_016899	Rab25	0.817184	1	1.07129	16.8973	33.8637	No change

NM_007724	Cnga2	0.817276	1	1.16789	2.98225	6.404	No change
NM_022417	Iitm2c	0.818192	1	0.905532	79.6097	141.986	No change
NM_175406	Atp6v0d2	0.818366	1	0.969465	21.022	39.2083	No change
NM_001008702	Dab2	0.818384	1	0.934927	23.6356	43.0291	No change
NM_023133	Rps19	0.818794	1	1.00192	56.2862	107.401	No change
NM_025559	1810046J19Rik	0.819294	1	0.96223	79.2476	147.056	No change
NM_175400	Sephs1	0.819298	1	1.03813	4.59989	9.00425	No change
NM_027468	Cpm	0.819795	1	1.1595	1.86474	3.97994	No change
NM_008622	Mpv17	0.819888	1	1.06046	11.7515	23.3699	No change
NM_008597	Mgp	0.820394	1	0.962981	98.8965	183.612	No change
NM_001159645	Araf	0.820451	1	1.00694	21.6931	41.5391	No change
NM_145602	Ndrq4	0.820665	1	1.04252	8.11933	15.9426	No change
NM_025273	Pcbd1	0.820823	1	1.11773	15.9175	32.9707	No change
NM_009334	Tcfap2b	0.820837	1	1.01558	5.17401	9.96799	No change
NM_013930	Aass	0.821264	1	1.01663	8.36089	16.1195	No change
NM_027925	Trnau1ap	0.821355	1	1.06269	17.6391	35.1331	No change
NM_145463	Shisa2	0.821927	1	1.04993	7.13323	14.0798	No change
NM_027935	Tmem50a	0.822019	1	0.992549	37.39	70.8739	No change
NM_013632	Pnp	0.822035	1	0.990494	14.2893	27.0467	No change
NM_007451	Slc25a5	0.822509	1	0.943854	66.5404	121.894	No change
NM_021605	Nek7	0.82283	1	0.992506	12.2988	23.3118	No change
NM_001166464	Spock1	0.82287	1	1.12596	3.92855	8.18509	No change
NM_011660	Txn1	0.823511	1	0.947596	74.8652	137.503	No change
NM_027934	Rnf180	0.824133	1	0.958508	17.658	32.6805	No change
NM_011464	Spint2	0.824143	1	0.909561	115.28	206.178	No change
NM_001081979	Mecp2	0.824145	1	0.934694	9.81098	17.8576	No change
NM_007376	Pzp	0.824169	1	1.16484	2.05461	4.40163	No change
NM_013541	Gstp1	0.824293	1	0.961852	85.6174	158.828	No change
NM_007602	Capn5	0.82446	1	0.940252	20.5397	37.5312	No change
NM_013556	Hprt	0.825015	1	1.0347	19.7868	38.6362	No change
NM_029364	Gns	0.825486	1	0.930378	28.7449	52.1625	No change
NM_177397	Atp6v1g3	0.825621	1	1.14527	5.83544	12.3266	No change
NM_008150	Gpc4	0.825711	1	0.983205	20.743	39.0605	No change
NM_181074	Lingo1	0.826258	1	0.988727	13.7271	25.9493	No change
NM_183027	Ap1s3	0.826779	1	1.1991	2.76252	6.06579	No change
NM_178243	5830403L16Rik	0.827078	1	0.861255	646.619	1118.23	No change
NM_153143	Kctd11	0.82743	1	1.26586	2.04829	4.72101	No change
NM_025790	Acot13	0.827434	1	1.095	23.3664	47.6165	No change
NM_001164200	Prkacb	0.827718	1	0.927926	28.3387	51.3367	No change
NM_007410	Adh5	0.828702	1	0.980092	34.0963	64.064	No change
NM_025478	Isoc1	0.828872	1	1.00318	15.2547	29.1309	No change
NM_001160379	Fam46a	0.829437	1	1.03771	4.96163	9.70825	No change
NM_029796	Lrg1	0.829798	1	1.29266	3.65721	8.59581	No change
NM_134042	Aldh6a1	0.829991	1	0.894633	88.3611	156.395	No change
NM_011172	Prodh	0.830169	1	1.04025	11.6308	22.7983	No change
NM_001024728	C330021F23Rik	0.830481	1	0.913798	109.032	195.576	No change
NR_038073	Shhg4	0.830482	1	1.25905	5.08619	11.6637	No change
NM_008784	Igbbp1	0.830918	1	1.06727	13.6815	27.3354	No change
NM_001100608	Gm15450	0.831263	1	0.911112	389.154	696.735	No change
NM_001178039	Gm10136	0.831767	1	0.91063	385.009	689.081	No change
NM_024175	Rps23	0.831869	1	0.911712	347.083	621.671	No change
NM_172700	Zmpste24	0.832397	1	0.978679	16.3362	30.6629	No change
NR_030696	9930014A18Rik	0.832522	1	1.09049	3.36917	6.84323	No change
NM_153179	Pkhd1	0.832765	1	0.95507	6.25339	11.545	No change
NM_001168600	Gnl3l	0.833138	1	0.975087	12.3013	23.0312	No change
NM_011051	Pdcd6	0.833158	1	1.01373	23.8255	45.835	No change
NM_019989	Sh3bgrl	0.833459	1	0.982081	19.1189	35.9714	No change
NM_133198	Pygl	0.83415	1	0.972055	22.4075	41.8632	No change
NM_172393	Aim1	0.834776	1	0.963697	9.78295	18.1704	No change
NM_008075	Gabbr1	0.834945	1	1.69882	0.526335	1.69032	No change
NM_016674	Cldn1	0.835186	1	1.01828	10.8808	20.999	No change
NM_001033359	Cntn5	0.835556	1	1.15387	3.07298	6.53007	No change
NR_002218	Tpt1p	0.835563	1	0.896825	404.202	716.499	No change
NM_007657	Cd9	0.835769	1	0.951876	75.3643	138.824	No change
NM_009093	Rps29	0.835818	1	1.59498	4.1101	12.1492	No change
NM_181401	Tmem64	0.835988	1	0.898917	66.5664	118.169	No change
NM_015729	Acox1	0.835989	1	0.921381	42.1094	75.9324	No change
NM_013643	Ptpn5	0.836111	1	0.998378	14.4415	27.4832	No change
NM_172658	Slco4c1	0.83661	1	1.00264	18.02	34.3961	No change
NM_011386	Skil	0.836986	1	0.929671	21.1559	38.3697	No change
NM_172928	Dclk3	0.836995	1	1.15338	3.20771	6.81378	No change
NM_008356	Il13ra2	0.837503	1	1.30911	3.08536	7.33801	No change
NM_018818	Chm	0.837704	1	1.03912	5.94259	11.6382	No change
NM_023065	Ifi30	0.838076	1	1.04929	26.6849	52.637	No change
NM_009429	Tpt1	0.838102	1	0.899195	369.825	656.638	No change
NM_008520	Ltbp3	0.838103	1	1.03632	5.76075	11.2597	No change

NM_009057	Slc50a1	0.840154	1	1.00676	41.8703	80.1502 No change
NM_172300	Ube2z	0.840391	1	0.944889	28.0247	51.3697 No change
NM_001099674	1810022K09Rik	0.840569	1	1.20927	20.1606	44.5784 No change
NM_027335	2210016F16Rik	0.840581	1	1.05146	9.3105	18.3929 No change
NM_001083938	Rnaset2a	0.840767	1	0.931671	153.513	278.806 No change
NM_023402	Myl12b	0.841288	1	0.948897	111.553	205.052 No change
NM_030004	Cryl1	0.841795	1	1.12068	10.3798	21.5373 No change
NM_001081062	Ccno	0.842319	1	1.0411	15.8258	31.0354 No change
NM_020267	Trim44	0.842466	1	0.933035	26.5012	48.1762 No change
NM_133942	Plekha1	0.842564	1	0.973212	21.2164	39.6677 No change
NM_011058	Pdgfra	0.843108	1	0.938478	20.4304	37.2813 No change
NM_080285	Cttnbp2	0.843111	1	1.04347	4.92351	9.67139 No change
NM_008812	Padi2	0.843992	1	1.03104	7.07476	13.7758 No change
NM_009785	Cacna2d3	0.844115	1	1.0946	4.96055	10.1032 No change
NM_145441	Ubxn2a	0.844407	1	1.00711	17.8743	34.2229 No change
NM_010460	Hoxb7	0.845748	1	1.00992	34.7092	66.5863 No change
NM_018811	Abhd2	0.846614	1	0.891035	216.209	381.706 No change
NM_011421	Smpd1	0.847131	1	1.05045	11.7311	23.1565 No change
NM_011170	Prnp	0.847878	1	0.949001	54.2942	99.8046 No change
NR_028541	Snord65	0.848284	1	1.65227	24.4537	75.5694 No change
NM_144904	Rod1	0.848699	1	0.919506	35.5556	64.0275 No change
NM_001177732	Plch1	0.849531	1	1.07574	3.60902	7.25231 No change
NM_008116	Ggt1	0.849908	1	0.998223	26.8156	51.0206 No change
NM_010298	Glrb	0.849918	1	1.11087	5.62115	11.5807 No change
NR_027059	2810008D09Rik	0.850194	1	1.24114	11.8478	26.802 No change
NM_080595	Emid1	0.850506	1	1.00051	27.7167	52.8195 No change
NM_175097	Prickle3	0.85059	1	1.06536	10.6182	21.1808 No change
NM_024171	Sec61b	0.850645	1	1.08308	38.7604	78.2938 No change
NM_025402	1110031I02Rik	0.850719	1	1.18914	7.7935	16.9803 No change
NM_178727	D630039A03Rik	0.851343	1	1.22256	2.74344	6.12306 No change
NM_028176	Cda	0.851757	1	1.58334	2.15368	6.30057 No change
NR_003363	Gm6548	0.851802	1	0.914041	155.545	279.035 No change
NM_011290	Rpl6	0.853449	1	0.938914	133.476	243.63 No change
NR_002173	Snord15b	0.853743	1	1.01339	321.068	617.402 No change
NM_145962	Pank3	0.85385	1	0.94509	19.8339	36.3585 No change
NM_144558	Bivm	0.854584	1	1.19515	2.67374	5.85023 No change
NM_010028	Ddx3x	0.85471	1	0.943971	33.4057	61.1896 No change
NM_009976	Cst3	0.854712	1	0.934577	257.92	469.35 No change
NM_145381	Lactb2	0.854962	1	1.09175	10.8895	22.1305 No change
NR_028575	Snord123	0.855218	1	1.00739	8.33691	15.9639 No change
NM_025703	Tceal8	0.855346	1	1.00192	24.5902	46.906 No change
NM_029767	Rps9	0.855638	1	0.936906	262.712	478.845 No change
NM_030711	Erap1	0.856472	1	1.06995	6.35466	12.7163 No change
NM_130864	Acaa1a	0.856592	1	1.12319	9.11796	18.9482 No change
NR_033595	Gm13498	0.856736	1	1.42318	1.44992	3.75052 No change
NM_001161806	Wfdc11	0.857048	1	1.15728	20.2189	43.0513 No change
NM_001080384	Clta	0.857133	1	1.02044	41.1059	79.4354 No change
NM_153546	Mboat1	0.857676	1	1.06369	9.53107	18.9881 No change
NM_008062	G6pdx	0.85786	1	0.96068	43.7446	81.0667 No change
NM_027207	1600002K03Rik	0.858457	1	1.5347	3.21166	9.0428 No change
NM_145928	Tspan14	0.858697	1	1.02075	18.2114	35.1996 No change
NM_001204908	Zfp648	0.858839	1	1.00367	30.2609	57.7923 No change
NM_008862	Pkia	0.859174	1	1.08852	5.96232	12.0886 No change
NM_001166635	Mid1ip1	0.859278	1	0.952605	67.6621	124.684 No change
NM_023557	Slc44a4	0.859321	1	1.15635	5.43872	11.5723 No change
NM_010118	Egr2	0.859344	1	0.965604	36.0805	67.0937 No change
NM_009592	Abcb7	0.8599	1	1.01403	8.67683	16.6918 No change
NM_134020	Tmed4	0.860955	1	0.947067	100.915	185.243 No change
NR_030485	Mir704	0.861264	1	1.46435	35.299	94.1674 No change
NM_001111313	Gm9104	0.86163	1	0.948968	308.756	567.51 No change
NM_018755	Pgcp	0.861834	1	1.01839	24.0273	46.3628 No change
NM_001114663	Plcl1	0.861862	1	1.06038	4.51861	8.98072 No change
NM_146115	A830007P12Rik	0.862399	1	1.05327	9.37236	18.5341 No change
NM_019647	Rpl21	0.86243	1	0.950026	85.3138	156.927 No change
NM_026281	Tm7sf3	0.862544	1	0.990058	22.242	42.0732 No change
NM_019734	Asah1	0.863422	1	0.97376	43.9644	82.22 No change
NM_020561	Smpdl3a	0.863675	1	1.06329	16.3434	32.5484 No change
NM_021473	Akr1a4	0.863886	1	0.919171	288.893	520.085 No change
NM_010008	Cyp2j6	0.864924	1	1.10866	5.36994	11.0432 No change
NM_010401	Hal	0.865012	1	1.48936	0.909698	2.47286 No change
NM_025828	Lman2	0.865404	1	0.920957	92.1917	166.176 No change
NM_016797	Stx7	0.86589	1	1.03437	16.6148	32.4208 No change
NM_133655	Cd81	0.866266	1	0.960302	90.2152	167.134 No change
NR_002840	Gas5	0.866288	1	0.9852	33.2365	62.6555 No change
NM_009324	Tbx2	0.866328	1	1.09548	6.16319	12.5564 No change
NM_010305	Gnai1	0.866382	1	1.03153	13.5544	26.3961 No change

NM_001082483	Efr3b	0.866742	1	1.11385	2.86351	5.91039	No change
NM_026268	Dusp6	0.866838	1	1.02021	18.015	34.8046	No change
NM_028443	Fam101a	0.867009	1	1.4021	2.15415	5.48222	No change
NM_011296	Rps18	0.86937	1	0.965611	249.112	463.216	No change
NM_010266	Gda	0.869985	1	1.13185	3.06201	6.40115	No change
NM_025272	Atp6v0e	0.870164	1	1.02949	58.486	113.729	No change
NM_025963	Rps10	0.87127	1	1.0098	108.249	207.605	No change
NM_175358	Zdhhc15	0.871446	1	1.1565	2.51795	5.35695	No change
NM_008594	Mfge8	0.872626	1	0.900351	757.181	1345.39	No change
NM_183024	Raver2	0.872851	1	1.09452	5.88635	11.9832	No change
NM_172406	Trak2	0.872932	1	0.98665	14.8768	28.0721	No change
NM_001160097	Cldn10	0.873874	1	1.10674	19.6537	40.3574	No change
NM_016809	Rbm3	0.874136	1	1.12191	6.41656	13.3185	No change
NM_020568	Plin4	0.874632	1	1.05986	5.92178	11.7635	No change
NM_009143	Sdf2	0.874677	1	1.05365	28.8555	57.0704	No change
NM_001172101	Rnh1	0.874886	1	0.973744	74.5778	139.461	No change
NM_009555	Zfp40	0.875052	1	1.12782	4.37396	9.11687	No change
NM_013875	Pde7b	0.875063	1	1.24675	1.90824	4.33146	No change
NM_172863	Zfp697	0.875403	1	1.10056	4.39967	8.99472	No change
NM_001164763	Rarres1	0.875524	1	1.21408	6.81618	15.1112	No change
NM_030556	Slc19a3	0.875639	1	1.35155	1.54665	3.78991	No change
NM_024211	Slc25a11	0.875654	1	0.996685	49.6536	94.3538	No change
NM_011950	Mapk13	0.875932	1	1.36911	3.06287	7.60322	No change
NM_029701	Spcc3	0.875944	1	0.975201	35.3191	66.114	No change
NM_001013814	Amt	0.875995	1	1.21339	7.31118	16.2004	No change
NM_008879	Lcp1	0.87604	1	0.963182	42.992	79.8043	No change
NM_001164704	Renbp	0.876638	1	1.1069	15.7518	32.3477	No change
NM_011975	Rpl27a	0.876958	1	0.958539	163.891	303.239	No change
NM_011226	Rab19	0.877802	1	1.48666	2.00479	5.43459	No change
NM_145951	Enox2	0.878295	1	1.16942	4.26325	9.153	No change
NM_011969	Psmc7	0.878372	1	0.986543	116.524	219.855	No change
NM_177611	Psd4	0.878671	1	1.19914	2.30673	5.05894	No change
NM_032000	Trps1	0.878722	1	1.02763	5.23278	10.1614	No change
NM_023887	Gcnt2	0.87877	1	1.20943	2.5397	5.61121	No change
NM_001013785	Akr1c19	0.879257	1	1.29633	4.93799	11.6183	No change
NM_007793	Cstb	0.879505	1	1.10099	39.0142	79.781	No change
NM_025613	Eid1	0.879507	1	1.0192	23.9253	46.1856	No change
NM_009888	Cfn	0.87955	1	1.00768	16.6369	31.8578	No change
NM_134133	2010002N04Rik	0.880224	1	1.18871	5.89548	12.8327	No change
NM_025500	Mrpl37	0.880512	1	0.97155	97.4117	181.877	No change
NM_009530	Atrx	0.881251	1	0.953176	42.29452	82.2951	No change
NM_001005421	Amica1	0.881419	1	1.16749	5.58564	11.9749	No change
NM_009831	Ccng1	0.881651	1	0.994418	27.0218	51.2646	No change
NM_010886	Ndufa4	0.882277	1	1.02263	122.388	236.823	No change
NM_026369	Arpc5	0.882386	1	1.02195	32.1095	62.1028	No change
NM_027764	Rcctb1	0.882465	1	1.03333	13.3029	25.9352	No change
NM_001101584	Gm6813	0.8843	1	1.05831	68.7026	136.314	No change
NM_011712	Wbp5	0.885579	1	1.03891	49.2917	96.4735	No change
NM_010153	Erbb3	0.885735	1	1.01846	16.7818	32.3774	No change
NR_028519	Scarna6	0.885862	1	1.09016	111.846	226.952	No change
NM_017391	Slc5a3	0.886249	1	0.948452	28.853	53.0094	No change
NM_027570	Ldhd	0.886417	1	0.952801	124.293	229.046	No change
NM_178256	Reps2	0.887039	1	1.03617	6.96016	13.5961	No change
NM_023149	Cndp2	0.887351	1	0.966659	93.8527	174.63	No change
NM_134054	1110002B05Rik	0.888473	1	1.03243	41.8771	81.5878	No change
NM_009092	Rps17	0.888694	1	0.990449	244.66	462.855	No change
NM_010469	Hoxd4	0.889229	1	1.0273	24.2931	47.1593	No change
NM_001162425	Efna1	0.889235	1	1.28378	4.76821	11.1135	No change
NM_001177974	Irak1	0.890374	1	1.03179	23.1582	45.0977	No change
NM_175027	Fancb	0.890483	1	1.60689	0.720484	2.14088	No change
NM_009026	Rasd1	0.890981	1	1.10217	16.0897	32.9247	No change
NM_175118	Dusp28	0.891075	1	1.15711	10.704	22.7747	No change
NM_177375	Rab26	0.891793	1	1.10054	18.4681	37.7478	No change
NR_027826	2610017I09Rik	0.892489	1	1.2665	14.1683	32.6084	No change
NM_001081318	Gm6614	0.892931	1	1.75128	0.606646	2.02176	No change
NM_019968	Arl10	0.892931	1	1.75128	1.13052	3.76766	No change
NM_025623	Nipsnap3b	0.893315	1	1.15602	10.8678	23.1046	No change
NM_012026	Rgntf	0.893751	1	1.01626	12.6714	24.4082	No change
NM_001163583	Prom1	0.894556	1	0.944881	162.562	297.914	No change
NM_001150749	Rdh7	0.894748	1	2.92121	0.0436946	0.58513	No change
NM_001044751	Hsd11b1	0.89476	1	1.62287	1.29348	3.89068	No change
NM_001177812	D19Wsu162e	0.895338	1	0.996209	30.018	57.0159	No change
NM_001110300	Ap1m2	0.895522	1	1.04004	32.5207	63.6949	No change
NM_009080	Rpl26	0.89558	1	0.954813	638.659	1178.54	No change
NR_003373	Gm15772	0.89558	1	0.954813	666.908	1230.66	No change
NM_172693	Galnt12	0.895729	1	1.12798	9.56076	19.9239	No change

NM_145953	Cth	0.895869	1	1.13661	10.9125	22.8806	No change
NM_011032	P4hb	0.896235	1	0.940363	247.413	451.989	No change
NM_145402	Tmem51	0.896999	1	1.02479	38.7885	75.1622	No change
NM_025410	Lage3	0.897215	1	1.24828	11.6461	26.4493	No change
NM_026931	1810011O10Rik	0.897703	1	1.16297	12.0431	25.7282	No change
NM_009098	Rps8	0.897798	1	1.00603	137.879	263.686	No change
NM_008846	Pip5k1b	0.897974	1	1.06511	16.5817	33.0534	No change
NM_007995	Fcna	0.898721	1	1.20229	9.15481	20.1146	No change
NM_145535	Sdcbp2	0.898726	1	1.24345	6.65182	15.0538	No change
NM_013738	Plek2	0.89904	1	1.10813	16.9851	34.9003	No change
NM_008126	Gjb3	0.899286	1	1.08637	20.9035	42.2965	No change
NM_175328	Slc6a15	0.89969	1	1.41502	1.06269	2.72674	No change
NM_010422	Hexb	0.900094	1	0.990891	76.5342	144.826	No change
NM_010199	Fgf12	0.900137	1	1.16643	5.20642	11.1497	No change
NM_011291	Rpl7	0.900204	1	0.988206	166.323	314.143	No change
NM_009478	Urod	0.90049	1	1.03799	52.1389	101.968	No change
NR_015601	C030044B11Rik	0.901162	1	1.22077	7.39384	16.4613	No change
NM_010325	Got2	0.901269	1	0.969193	111.954	208.668	No change
NM_027977	2310001A20Rik	0.901275	1	1.06558	19.7941	39.4686	No change
NM_172773	Slc17a5	0.901932	1	1.07049	12.8456	25.7021	No change
NM_173047	Cbr3	0.902147	1	1.30368	5.67338	13.4108	No change
NM_001162537	9330159F19Rik	0.902186	1	1.17595	2.65485	5.72394	No change
NM_007962	Mpzl2	0.902191	1	1.12965	6.86961	14.3314	No change
NM_010106	Eef1a1	0.902464	1	0.918673	2622.5	4719.26	No change
NM_007883	Dsg2	0.903832	1	1.1377	3.63732	7.63147	No change
NM_027920	March8	0.903832	1	0.997519	30.2296	57.4677	No change
NM_025862	Acad8	0.903996	1	1.05085	19.0669	37.6263	No change
NM_010941	Nsdhl	0.904332	1	1.05001	25.0115	49.328	No change
NM_134052	Adi1	0.904966	1	1.12672	13.897	28.9307	No change
NM_008378	Impact	0.905028	1	1.05034	16.2454	32.0466	No change
NM_022891	Rpl23	0.905079	1	1.01727	89.1177	171.771	No change
NM_153526	Insig1	0.905284	1	1.02333	32.2146	62.3562	No change
NM_019972	Sort1	0.905767	1	0.952212	83.6522	154.082	No change
NM_001171187	Mal	0.905782	1	1.00851	43.3912	83.1235	No change
NM_031368	Bglap-rs1	0.905888	1	1.01902	152.275	293.861	No change
NM_026982	1810027O10Rik	0.906135	1	1.50617	6.30632	17.3231	No change
NM_023525	Cad	0.90639	1	1.00674	16.7122	31.9756	No change
NM_198657	Gm5148	0.906532	1	0.975931	206.612	386.903	No change
NM_009903	Cldn4	0.90699	1	1.05869	28.1541	55.8638	No change
NM_011823	Gpr34	0.907237	1	1.56131	1.17501	3.36638	No change
NM_001159706	Folh1	0.907587	1	1.07241	14.5863	29.2229	No change
NM_134037	Acly	0.907603	1	0.942428	229.383	419.643	No change
NM_028725	Sdr42e1	0.907755	1	1.07746	14.2828	28.7164	No change
NM_030721	Acox3	0.907916	1	0.979528	59.5279	111.751	No change
NM_012010	Eif2s3x	0.908019	1	1.01874	27.0845	52.2571	No change
NM_026125	Fam132a	0.908118	1	1.1982	10.0697	22.0559	No change
NM_207523	Rpl23a	0.908379	1	1.00176	245.419	467.923	No change
NM_013499	Cr1l	0.908957	1	1.09196	20.8408	42.3316	No change
NM_001102414	Slc2a9	0.908961	1	1.31616	1.78005	4.24527	No change
NM_177271	Samd5	0.909256	1	1.25234	3.71509	8.45954	No change
NM_024225	Snx5	0.909345	1	0.991278	74.0722	140.199	No change
NM_028454	Tm7sf2	0.909729	1	1.13907	14.6548	30.7745	No change
NM_001166378	Armcx1	0.91044	1	1.10711	13.784	28.2984	No change
NM_009201	Slc1a5	0.911241	1	1.04361	24.4355	47.9734	No change
NM_001037933	Defb23	0.911651	1	1.01351	184.396	354.468	No change
NM_173033	Tstd2	0.912062	1	1.0364	20.5618	40.1644	No change
NM_011710	Wars	0.912237	1	0.97894	147.445	276.68	No change
NM_010240	Ftl1	0.912954	1	0.973955	335.388	627.172	No change
NR_028262	Rmst	0.913435	1	1.08359	14.9657	30.2179	No change
NM_026347	Iah1	0.913563	1	1.06375	56.1457	111.795	No change
NM_023144	Nono	0.913988	1	1.04057	29.9047	58.5847	No change
NM_018794	Atp6ap1	0.914675	1	1.03066	40.3067	78.4158	No change
NM_001033248	Gm266	0.916156	1	1.2972	6.08021	14.2991	No change
NM_025891	Smarcd3	0.91662	1	1.07256	27.8772	55.8513	No change
NM_001159529	Cox7a2l	0.916928	1	0.99492	172.018	326.402	No change
NM_025436	Sc4mol	0.91766	1	1.05355	34.9611	69.1146	No change
NM_025974	Rpl14	0.918622	1	1.02658	109.123	211.687	No change
NM_009623	Adcy8	0.919673	1	1.04269	15.5042	30.4175	No change
NM_008747	Ntsr2	0.919993	1	1.02132	75.0089	144.974	No change
NM_181683	Defb37	0.920987	1	1.12271	80.1865	166.425	No change
NM_133888	Smpd13b	0.921271	1	1.17598	9.01483	19.4302	No change
NR_030762	Snord17	0.921682	1	1.00158	850.506	1621.31	No change
NM_009412	Tpd52	0.921794	1	1.01799	56.8985	109.714	No change
NM_133664	Lad1	0.922149	1	1.22738	3.95983	8.8539	No change
NM_001167587	Gm5916	0.92281	1	1.08517	38.6912	78.2031	No change
NM_145586	Tmem159	0.922941	1	1.14647	16.1514	34.0893	No change

NM_026853	Asb11	0.923089	1	1.13797	19.6046	41.1291	No change
NM_027959	Pdia6	0.92335	1	0.993641	114.624	217.299	No change
NM_010062	Dnase2a	0.924094	1	1.22191	7.59284	16.91	No change
NR_036450	Gm14403	0.924463	1	1.34832	1.5771	3.84871	No change
NM_023326	Bmyc	0.925122	1	1.13738	30.1644	63.2546	No change
NM_008081	B4galnt2	0.925545	1	1.05605	16.9201	33.506	No change
NM_031170	Krt8	0.925755	1	1.03311	57.0671	111.206	No change
NM_011804	Creg1	0.927016	1	1.04634	39.0608	76.8248	No change
NM_018796	Eef1b2	0.927157	1	1.05881	35.1169	69.674	No change
NM_033612	Cela1	0.927669	1	1.4638	3.15068	8.37345	No change
NM_009413	Tpd52l1	0.927799	1	1.07972	39.9345	80.4036	No change
NM_025718	Dnase1l2	0.928597	1	1.11694	26.2758	54.3079	No change
NM_182841	Tmem150c	0.928618	1	0.99282	94.7851	179.582	No change
NM_011034	Prdx1	0.928834	1	1.01995	101.416	195.817	No change
NM_015828	Gne	0.930282	1	1.05828	13.3457	26.4683	No change
NM_009787	Pdia4	0.93137	1	0.983876	176.69	332.681	No change
NM_177638	Crb3	0.931721	1	1.35293	5.12448	12.5448	No change
NM_172856	Lass6	0.933293	1	1.08946	12.1475	24.6245	No change
NM_001034867	Pm20d2	0.933538	1	1.12685	5.5159	11.4799	No change
NM_183028	Pcmt1d1	0.933696	1	1.02828	25.4289	49.3837	No change
NM_178750	Ss18l1	0.934752	1	1.0832	12.1233	24.4671	No change
NM_026142	3632451O06Rik	0.934876	1	1.41764	1.59776	4.10159	No change
NM_026582	Wls	0.935104	1	1.08006	20.6901	41.6644	No change
NM_007750	Cox8a	0.935818	1	1.04886	169.693	334.322	No change
NM_009655	Alcam	0.93682	1	1.05953	15.7684	31.2991	No change
NM_024212	Rpl4	0.937126	1	1.00047	210.696	401.313	No change
NM_025417	Comm1d4	0.937144	1	1.19434	20.5527	44.8694	No change
NM_172780	Slc9a6	0.93765	1	1.11253	7.6838	15.8302	No change
NM_011863	Papss1	0.937705	1	1.09819	17.3428	35.3709	No change
NR_034050	Snora44	0.937739	1	1.58098	19.657	57.0646	No change
NM_001126490	Ism1	0.9378	1	1.14862	8.71162	18.4111	No change
NM_001039195	Gria2	0.937921	1	1.14577	7.56621	15.9581	No change
NM_019755	Plp2	0.938067	1	1.15799	26.996	57.4328	No change
NM_001077354	C77370	0.938259	1	1.0749	5.75975	11.5564	No change
NM_001136077	Enpp2	0.93852	1	1.01302	78.5791	150.983	No change
NM_001110844	Cacna2d1	0.939574	1	1.15063	3.43966	7.2795	No change
NM_146261	Fam199x	0.940555	1	1.11941	4.34268	8.9901	No change
NM_026482	Atp2b1	0.941533	1	1.04091	16.8416	32.9957	No change
NM_016966	Phgdh	0.941927	1	1.09461	26.6703	54.2557	No change
NM_008471	Krt19	0.942455	1	1.07693	47.1557	94.7453	No change
NM_027642	Phf6	0.942491	1	1.03571	31.4339	61.3607	No change
NM_001145922	Arhgef40	0.943075	1	1.09996	8.61302	17.5873	No change
NM_207633	Yipf6	0.944961	1	1.08741	11.0698	22.4053	No change
NM_023910	Tsc22d4	0.945301	1	1.15038	11.6755	24.7033	No change
NM_001033865	Rps27a	0.94561	1	1.06023	109.251	216.947	No change
NM_053179	Nans	0.94594	1	1.07442	37.2989	74.8074	No change
NM_022032	Perp	0.946076	1	1.09868	26.2632	53.5787	No change
NM_025797	Cyb5	0.946258	1	1.11148	56.5732	116.457	No change
NM_008969	Ptgs1	0.946591	1	1.14698	9.92832	20.9557	No change
NM_145838	St8sia6	0.94849	1	1.08964	18.5436	37.5896	No change
NM_001164306	Gm4846	0.949287	1	0.977356	883.07	1655.1	No change
NM_178047	Prom2	0.949326	1	1.00746	84.1133	160.986	No change
NM_026572	Gcsh	0.949336	1	1.12019	29.5556	61.2129	No change
NM_018853	Rplp1	0.950075	1	1.0233	475.937	921.011	No change
NM_139225	Defb10	0.951037	1	1.66275	6.10107	18.8542	No change
NM_025412	Pycl1	0.951205	1	1.19159	14.3713	31.3057	No change
NM_011376	Sim1	0.95205	1	1.19751	2.52998	5.5344	No change
NM_010903	Nfe2l3	0.952932	1	1.14882	11.6977	24.7205	No change
NM_134164	Syt12	0.954753	1	1.11851	13.1432	27.1872	No change
NM_007399	Adam10	0.954775	1	1.08312	15.4755	31.2257	No change
NM_212444	Gyk	0.955028	1	1.04936	30.0528	59.2231	No change
NM_001042580	Cd63	0.955238	1	1.16213	28.2479	60.2586	No change
NM_008730	Nptx1	0.955908	1	1.23878	2.61151	5.88295	No change
NM_001144992	2810459M11Rik	0.956233	1	1.13278	11.068	23.1257	No change
NM_152802	Defb12	0.956275	1	1.02376	263.183	509.449	No change
NM_175013	Pgm5	0.957564	1	1.1108	6.18251	12.7193	No change
NM_013765	Rps26	0.958826	1	1.06498	233.347	464.879	No change
NM_001010937	Gjb6	0.958937	1	1.45489	1.98546	5.2344	No change
NM_199477	Mettl7a2	0.961035	1	1.14237	19.5877	41.2021	No change
NM_025473	Fam3a	0.963302	1	1.205	10.8587	23.8761	No change
NM_010495	Id1	0.963647	1	1.9074	1.07102	4.01903	No change
NM_013467	Aldh1a1	0.963737	1	1.02169	175.364	338.958	No change
NM_026779	Mocos	0.963864	1	1.39293	1.9574	4.92878	No change
NR_037274	Mir3091	0.963938	1	1.41966	65.1079	167.197	No change
NM_018760	Slc4a4	0.966241	1	1.14834	4.60465	9.72609	No change
NM_175460	Nmnat2	0.966365	1	1.79666	0.277354	0.952345	No change

NM_183185	Zfp300	0.970676	1	1.6809	0.389012	1.21758	No change
NM_008049	Ftl2	0.971211	1	1.04855	207.258	408.166	No change
NM_001114332	Slc16a10	0.971224	1	1.04875	36.5907	72.0705	No change
NM_001002239	Rpl17	0.971296	1	1.11214	75.4482	155.346	No change
NM_019865	Rpl36a	0.971301	1	1.17966	53.303	115.1	No change
NM_019771	Dstn	0.971444	1	1.04928	103.036	203.017	No change
NM_027711	lqqap2	0.973101	1	1.05543	30.2635	59.8859	No change
NM_013737	Pla2g7	0.97358	1	1.15041	19.1064	40.4129	No change
NM_010877	Ncf2	0.974689	1	1.1213	20.7253	42.9474	No change
NM_009095	Rps5	0.975679	1	1.07428	163.496	327.813	No change
NM_009419	Tpst2	0.976897	1	1.10228	40.8399	83.5055	No change
NM_007418	Adra2c	0.977442	1	1.37944	2.02672	5.05096	No change
NM_009031	Rbbp7	0.981799	1	1.07216	63.4966	127.119	No change
NM_016785	Tpmt	0.981853	1	1.12881	19.6886	41.0121	No change
NM_019804	B4galt4	0.982436	1	1.13791	20.6958	43.3867	No change
NM_019946	Mgst1	0.982798	1	1.09608	96.5207	196.493	No change
NM_023266	Zfp120	0.982903	1	1.26092	3.52613	8.0658	No change
NM_174875	Atg4a	0.983606	1	1.10665	35.069	71.922	No change
NM_148947	Ly6g5c	0.983866	1	1.18128	64.5821	139.594	No change
NM_013463	Gla	0.9843	1	1.27849	4.16043	9.63685	No change
NM_001166398	Armcx2	0.986981	1	1.11997	18.1271	37.5244	No change
NM_027054	Cst12	0.987432	1	1.05657	454.025	899.096	No change
NM_001190409	Magt1	0.988514	1	1.0934	23.5135	47.776	No change
NM_001003951	Ces5a	0.988815	1	1.03917	369.433	722.76	No change
NM_033145	Lcn8	0.990795	1	1.03053	1161.8	2259.32	No change
NM_008532	Epcam	0.991915	1	1.11725	35.844	74.0551	No change
NM_016980	Rpl5	0.993217	1	1.07161	95.0641	190.234	No change
NM_001014761	Scn2b	0.993436	1	1.27644	2.99426	6.92416	No change
NM_001029978	Tceal3	0.993532	1	1.29794	10.5008	24.66	No change
NM_010220	Fkbp5	0.993946	1	1.07541	50.6442	101.613	No change
NM_001159483	Rpl19	0.994089	1	1.07534	241.848	485.221	No change
NM_198636	Acss3	0.995326	1	1.17154	14.7223	31.5996	No change
NM_001081159	S100z	0.996261	1	1.65301	7.2016	22.0159	No change
NM_010664	Krt18	0.996709	1	1.10269	74.223	151.787	No change
NM_008618	Mdh1	0.99736	1	1.07267	106.212	212.696	No change
NM_001205057	Gm14295	0.998235	1	1.30595	9.4538	22.3271	No change
NM_009438	Rpl13a	1.00159	1	1.07676	259.765	521.669	Up
NM_026950	Ociad2	1.00163	1	1.15609	21.8166	46.3168	Up
NM_013762	Rpl3	1.00215	1	1.07882	147.221	296.078	Up
NM_144816	Rhbdl1	1.00223	1	1.27835	9.30444	21.5419	Up
NM_011029	Rpsa	1.0027	1	1.06556	160.919	320.648	Up
NM_133681	Tspan1	1.00693	1	1.23471	10.8906	24.4403	Up
NM_011287	Rpl10a	1.00807	1	1.09917	169.866	346.5	Up
NM_145422	D10Wsu52e	1.00822	1	1.07078	152.592	305.157	Up
NM_016861	Pdlim1	1.01098	1	1.16506	31.9986	68.3565	Up
NM_146256	Hpd1	1.01146	1	1.1867	23.057	50.0117	Up
NM_001163085	Map3k15	1.01199	1	1.24553	4.68039	10.5837	Up
NM_026069	Rpl37	1.01263	1	1.20188	36.3336	79.6573	Up
NM_026680	Golt1a	1.01282	1	1.46319	2.72415	7.21028	Up
NR_033727	Rps27	1.01302	1	1.25374	33.2102	75.5366	Up
NM_053188	Srd5a2	1.01317	1	1.15847	63.5724	135.176	Up
NM_053103	Entpd7	1.01327	1	1.28231	2.49973	5.80261	Up
NM_031256	Plekha3	1.01352	1	1.10284	48.741	99.6765	Up
NM_153803	Glb1l2	1.01384	1	1.05347	205.467	405.972	Up
NM_016783	Pgrmc1	1.01386	1	1.0637	259.623	516.637	Up
NM_008127	Gjb4	1.01394	1	1.49951	2.94205	7.99886	Up
NM_008289	Hsd11b2	1.01431	1	3.02075	0.0376922	0.543577	Up
NM_027127	Gpx8	1.01562	1	1.18135	40.7457	88.0429	Up
NM_001034871	Gm749	1.01648	1	1.12503	221.793	460.659	Up
NM_009978	Cst8	1.01753	1	1.07074	594.224	1188.28	Up
NM_145216	Rasl10a	1.01964	1	1.41203	6.10128	15.5504	Up
NM_153535	Fam149a	1.02005	1	1.42624	1.1448	2.94816	Up
NM_027409	Mospd1	1.02058	1	1.1653	31.169	66.5899	Up
NM_130450	Elovl6	1.02086	1	1.10109	30.5763	62.4505	Up
NM_001081147	Oxtr	1.02114	1	1.17078	11.168	23.9513	Up
NM_009983	Ctsd	1.02321	1	1.07677	210.755	423.214	Up
NM_173733	Suox	1.02343	1	1.10969	66.815	137.286	Up
NM_001159544	Frk	1.02477	1	1.21255	6.64571	14.6781	Up
NM_013492	Clu	1.02482	1	1.04576	1506.57	2960.78	Up
NM_178244	Teddm1	1.02511	1	1.05837	759.727	1506.19	Up
NM_001037751	Defb48	1.02683	1	1.06611	1727.13	3442.58	Up
NM_018883	Camkk1	1.02763	1	1.51985	1.1915	3.28687	Up
NM_177814	Erc2	1.02839	1	1.27993	2.85279	6.60907	Up
NM_027870	Armcx3	1.02981	1	1.14319	26.5389	55.8209	Up
NM_001081108	0910001L09Rik	1.03019	1	1.21182	38.939	85.9527	Up
NM_001201391	Beta-s	1.03042	1	1.23762	40.6815	91.452	Up

NM_001017959	Lamp2	1.03096	1	1.10711	114.079	233.97	Up
NM_030706	Trim2	1.03151	1	1.16018	12.0494	25.6477	Up
NM_008810	Pdha1	1.03386	1	1.14208	35.7426	75.1192	Up
NM_144804	Depdc7	1.03446	1	1.21654	19.7214	43.6753	Up
NM_001080550	Wfdc8	1.03552	1	1.11895	93.3512	193.043	Up
NM_028440	3110003A17Rik	1.03623	1	1.21033	46.0025	101.43	Up
NM_001081201	Dpy19l4	1.03659	1	1.12052	55.4227	114.736	Up
NM_001190258	Gm9846	1.03684	1	1.28256	52.7242	122.357	Up
NM_030061	Spink12	1.03742	1	1.16168	83.4594	177.826	Up
NM_001142959	Bcl2l15	1.03761	1	1.29233	22.8532	53.4055	Up
NM_018731	Atp4a	1.03877	1	1.22908	8.97698	20.0565	Up
NM_012052	Rps3	1.03944	1	1.09863	178.5	363.924	Up
NM_029730	Mospd2	1.03948	1	1.1956	23.1042	50.414	Up
NM_025840	Bzw2	1.0397	1	1.31339	7.7478	18.3794	Up
NM_011149	Ppib	1.04124	1	1.14358	114.993	241.921	Up
NM_011282	Ros1	1.04144	1	1.09979	46.5938	95.0714	Up
NM_001136484	Gcnt1	1.04202	1	1.15723	18.8638	40.0661	Up
NM_138587	Fam3c	1.04306	1	1.1229	66.7159	138.34	Up
NM_025360	Tmed3	1.04308	1	1.12639	126.595	263.143	Up
NM_019487	Hebp2	1.04453	1	1.26721	11.6763	26.7995	Up
NM_010281	Ggh	1.04469	1	1.30931	11.7206	27.7202	Up
NM_007431	Alpl	1.04555	1	1.14844	43.3503	91.5078	Up
NM_025468	Sec11c	1.04621	1	1.18299	79.1965	171.273	Up
NM_007631	Ccnd1	1.04698	1	1.18065	16.8357	36.3494	Up
NM_177305	Arl4c	1.04733	1	1.13632	36.9376	77.312	Up
NM_001110784	Xlr3a	1.04798	1	1.44487	3.97762	10.3742	Up
NM_001167622	Gm3867	1.04834	1	1.21928	42.8701	95.1091	Up
NM_007470	Apod	1.04842	1	1.13588	81.4831	170.494	Up
NM_011254	Rbp1	1.04946	1	1.23476	12.4158	27.8474	Up
NM_170597	Creg2	1.04981	1	1.33101	2.35555	5.65761	Up
NM_024434	Lap3	1.05059	1	1.13268	76.0566	158.783	Up
NM_203508	Eddm3b	1.05236	1	1.15517	88.0302	186.691	Up
NM_001033543	Il20rb	1.05617	1	1.33124	5.76556	13.8483	Up
NM_009079	Rpl22	1.05655	1	1.15531	57.975	122.96	Up
NM_013797	Slco1a1	1.05901	1	1.73053	0.509477	1.64683	Up
NM_001033636	Prex2	1.06017	1	1.20943	7.77209	17.1213	Up
NM_001039122	Defb25	1.06844	1	1.11734	1670.25	3449.64	Up
NM_001081643	Xlr3b	1.06855	1	1.4951	3.44801	9.3235	Up
NM_008409	Itm2a	1.06855	1	1.4951	3.41632	9.23781	Up
NM_001168230	Morf4l2	1.07009	1	1.12586	217.861	452.633	Up
NM_020578	Ehd3	1.07132	1	1.23876	10.936	24.5911	Up
NM_178712	Gpr64	1.07169	1	1.11653	123.518	254.959	Up
NM_022413	Trpv6	1.07222	1	1.25406	11.5203	26.1861	Up
NM_027416	Calml3	1.07327	1	1.18303	66.6139	144.035	Up
NM_026155	Ssr3	1.07334	1	1.12396	158.011	327.85	Up
NM_001177848	Wfdc6a	1.07342	1	1.19902	89.6052	195.931	Up
NM_153319	Amot	1.07435	1	1.16276	23.1689	49.3908	Up
NM_001109043	Zfp185	1.07474	1	1.14664	63.1041	133.017	Up
NM_001025612	Snx22	1.0757	1	1.16654	54.6087	116.72	Up
NM_001166480	Ssr4	1.07579	1	1.2615	40.1341	91.7031	Up
NM_029325	Spinl1	1.07785	1	1.19663	106.986	233.535	Up
NM_001178001	Gm6654	1.07881	1	1.20147	115.799	253.632	Up
NM_023788	Mageh1	1.07891	1	1.30954	14.7063	34.7657	Up
NM_008548	Man1a	1.07934	1	1.11879	193.595	400.231	Up
NM_013657	Sema3c	1.08031	1	1.17136	28.0038	60.0552	Up
NM_009037	Rcn1	1.08059	1	1.14382	94.8352	199.505	Up
NM_010730	Anxa1	1.08108	1	1.20877	49.9091	109.874	Up
NM_001081556	Ano3	1.08173	1	1.28719	11.3433	26.3919	Up
NM_009770	Btg3	1.08239	1	1.18134	84.2938	182.036	Up
NR_002700	Gm7334	1.08239	1	1.18134	86.2181	186.191	Up
NM_008131	Glul	1.08276	1	1.10763	683.527	1402.17	Up
NM_025379	Cox7b	1.08364	1	1.29455	24.7163	57.8057	Up
NM_016959	Rps3a	1.08543	1	1.1521	276.407	584.834	Up
NM_148939	Ly6g5b	1.08571	1	1.12963	573.728	1195.06	Up
NM_019799	Rhcg	1.08625	1	1.16203	96.2029	204.965	Up
NM_008324	Ido1	1.08804	1	1.157	156.462	332.178	Up
NM_008939	Prss12	1.08897	1	1.3782	4.89214	12.1442	Up
NM_009199	Slc1a1	1.09192	1	1.16608	56.5738	120.871	Up
NM_178924	Upk1b	1.09327	1	1.24957	25.9231	58.7233	Up
NM_027334	Mettl7a1	1.09395	1	1.14672	221.663	467.232	Up
NM_010082	Adam28	1.09424	1	1.13131	273.394	570.127	Up
NM_001166454	Pls3	1.09649	1	1.14039	197.444	414.352	Up
NM_010893	Neu1	1.10043	1	1.25062	12.9068	29.2572	Up
NM_021351	Cryba4	1.10073	1	1.20095	151.063	330.697	Up
NM_177840	Lcn6	1.10277	1	1.29129	42.6965	99.6001	Up
NM_001039168	Rbfox3	1.10466	1	1.52244	1.31436	3.62136	Up

NM_029959	Lcn9	1.10739	1	1.14882	807.491	1704.5 Up
NM_207276	Defb21	1.10814	1	1.22547	193.046	429.903 Up
NM_008819	Pemt	1.10841	1	1.24309	74.3726	167.684 Up
NM_001162863	Rnase10	1.10973	1	1.13709	1025.92	2147.97 Up
NM_010860	Myl6	1.10991	1	1.21584	164.925	364.801 Up
NM_177751	Cnksr2	1.11108	1	1.20331	24.6248	53.9923 Up
NM_008143	Gnb2l1	1.11137	1	1.20855	96.2029	211.709 Up
NM_010279	Gfra1	1.11834	1	1.19154	66.4072	144.406 Up
NM_033373	Krt23	1.11876	1	1.27496	29.6614	68.3857 Up
NM_008491	Lcn2	1.1191	1	1.14631	1845.68	3889.08 Up
NM_009749	Bex2	1.11989	1	1.32825	27.8926	66.7767 Up
NM_016773	Nucb2	1.12052	1	1.27182	30.6579	70.5259 Up
NM_001101442	9230113P08Rik	1.12152	1	1.16078	378.734	806.104 Up
NM_010720	Lipg	1.12493	1	1.19662	58.8903	128.511 Up
NM_011990	Slc7a11	1.1268	1	1.23792	9.91729	22.2757 Up
NM_007805	Cyb561	1.12888	1	1.17968	180.711	389.714 Up
NM_021492	Ap3b2	1.12931	1	1.32042	7.89219	18.7871 Up
NM_139198	Plac8	1.13011	1	1.24262	128.071	288.608 Up
NM_001013773	BC055004	1.13143	1	1.37195	8.04845	19.8729 Up
NM_029960	9230104L09Rik	1.13231	1	1.16476	1673.37	3571.44 Up
NM_013757	Sytl4	1.13268	1	1.19347	83.4294	181.656 Up
NM_008469	Krt15	1.133	1	1.62353	2.35011	6.9704 Up
NM_139222	Defb15	1.135	1	1.21489	539.647	1192.68 Up
NM_033037	Cdo1	1.13528	1	1.1907	244.745	531.863 Up
NM_001045554	Wfdc15b	1.13616	1	1.28626	91.038	211.532 Up
NM_001007578	Armcx6	1.13757	1	1.26807	32.3109	74.1205 Up
NM_007914	Ehf	1.13782	1	1.22711	32.4715	72.3801 Up
NM_001025353	Gm6040	1.14008	1	1.29864	51.3955	120.461 Up
NM_183160	E030010A14Rik	1.1436	1	1.53452	2.68921	7.46486 Up
NM_197996	Tspan15	1.14454	1	1.27071	19.5063	44.827 Up
NM_008410	Itm2b	1.14549	1	1.16498	1725.33	3682.81 Up
NM_001001179	BC048546	1.14611	1	1.33393	6.6014	15.8619 Up
NM_008430	Kcnk1	1.15295	1	1.23528	72.6889	162.94 Up
NM_009121	Sat1	1.15555	1	1.24759	119.634	270.488 Up
NM_001033459	Gm1679	1.1556	1	1.30258	74.8818	175.966 Up
NM_001159904	Klrb1c	1.1567	1	1.2341	72.0231	161.311 Up
NM_021475	Adamdec1	1.15814	1	1.49663	3.72736	10.0603 Up
NM_145933	St6gal1	1.15941	1	1.20446	126.141	276.739 Up
NM_016675	Cldn2	1.16026	1	1.2169	116.178	257.099 Up
NM_023270	Rnf128	1.16174	1	1.24833	54.842	124.055 Up
NM_024181	Dnajc10	1.16211	1	1.21238	111.743	246.505 Up
NM_052835	Rpl10	1.1644	1	1.21953	472.86	1048.33 Up
NM_001159900	Hopx	1.16448	1	1.34115	31.7245	76.5987 Up
NM_172479	Slc38a5	1.16462	1	1.21061	292.342	644.105 Up
NM_029863	9230110F15Rik	1.16608	1	1.2107	507.131	1117.41 Up
NM_007663	Cdh16	1.16647	1	1.25006	56.5829	128.144 Up
NM_007966	Evx1	1.16796	1	2.02639	0.387587	1.57207 Up
NM_001008426	Gm5531	1.16849	1	1.20912	274.911	605.067 Up
NM_001081135	Prrg3	1.1702	1	1.2333	48.4471	108.441 Up
NM_008096	Gc	1.17137	1	1.33	24.1156	57.7656 Up
NM_008878	Serpinf2	1.17228	1	1.29639	32.9706	77.1294 Up
NM_019443	Ndufa1	1.17239	1	1.33288	86.5154	207.655 Up
NM_008220	Hbb-b1	1.17245	1	1.39133	35.8484	89.6814 Up
NM_016956	Hbb-b2	1.17245	1	1.39133	36.7887	92.0337 Up
NM_026055	Rpl39	1.17289	1	1.29071	203.949	475.205 Up
NM_080462	Hnmt	1.17318	1	1.52007	5.18764	14.2355 Up
NM_177142	Lipi	1.17763	1	1.32852	33.0827	79.1567 Up
NM_021278	Tmsb4x	1.17807	1	1.21595	1191.44	2634.73 Up
NM_001177417	Gm6792	1.18265	1	1.25605	280.918	638.815 Up
NM_007763	Crip1	1.18369	1	1.29382	205.805	480.534 Up
NM_009738	Bche	1.18904	1	1.39106	4.25409	10.6374 Up
NM_019435	Ndufb11	1.19168	1	1.3455	54.3327	131.547 Up
NM_183136	Spink8	1.19386	1	1.24442	654.949	1477.27 Up
NM_018778	Cldn8	1.19609	1	1.35958	17.3198	42.35 Up
NR_002905	Snora74a	1.1976	1	1.30851	456.524	1076.86 Up
NM_030059	Cst11	1.20429	1	1.24014	1463.9	3291.96 Up
NM_030033	Crisp4	1.20645	1	1.29501	119.682	279.635 Up
NM_001159543	Dpp4	1.20759	1	1.34455	16.0404	38.8033 Up
NM_023409	Npc2	1.21718	1	1.25437	251.852	571.973 Up
NM_001111048	Fga	1.21915	1	1.5222	4.25182	11.6705 Up
NM_172908	Ovch2	1.21942	1	1.26405	295.434	675.484 Up
NM_134163	Mbnl3	1.22352	1	1.29719	23.807	55.704 Up
NM_001033135	Rnf149	1.22541	1	1.27642	178.432	411.491 Up
NM_001012725	Wfdc6b	1.22636	1	1.35176	86.6196	210.569 Up
NM_027322	Prrg1	1.23251	1	1.31046	47.1053	111.239 Up
NM_001177509	Gm1110	1.23734	1	1.26844	489.539	1122.66 Up

NM_198302	Rbm11	1.2396	1	1.32245	60.0614	143.023 Up
NM_001005370	Spin2	1.24607	1	1.4951	12.914	34.7411 Up
NM_001039125	Defb47	1.24654	1	1.32602	490.568	1171.05 Up
NM_178036	Lcn10	1.24784	1	1.324	173.539	413.674 Up
NM_183124	Defb41	1.24982	1	1.37198	156.475	385.743 Up
NM_178656	Pirt	1.2537	1	2.02532	0.462461	1.8579 Up
NM_009060	Rgn	1.25805	1	1.70567	3.05515	9.57821 Up
NM_001159902	Klrp1a	1.26335	1	1.42502	35.0541	89.6929 Up
NM_178396	Car12	1.26561	1	1.49468	5.38264	14.4702 Up
NM_001160414	Wfdc9	1.26612	1	1.39822	115.381	289.69 Up
NM_001011875	Rnase12	1.26897	1	1.36516	271.612	666.279 Up
NM_008918	Ppy	1.26926	1	1.67123	12.6318	38.5876 Up
NM_172979	Muc15	1.27085	1	1.32248	263.816	628.137 Up
NM_001164742	Serpina1f	1.27239	1	1.31701	197.06	467.409 Up
NM_009094	Rps4x	1.27341	1	1.34542	244.164	590.718 Up
NM_001033418	Bsph1	1.27394	1	1.39952	83.9368	210.919 Up
NM_183032	Rnase9	1.27504	1	1.306	988.677	2327.13 Up
NM_026887	Ap1s2	1.28847	1	1.31601	464.693	1101.4 Up
NM_010742	Ly6d	1.28928	1	1.84746	4.23604	14.753 Up
NM_007617	Cav3	1.29835	1	2.32031	0.722831	3.66091 Up
NM_177829	Spink10	1.29915	1	1.50333	22.2281	60.0894 Up
NM_183175	C1qtnf9	1.303	1	1.55774	8.34997	23.465 Up
NM_053110	Gpnmb	1.30468	1	1.48203	8.88135	23.6468 Up
NM_001034905	Spag11b	1.30613	1	1.32603	1626.69	3882.32 Up
NM_007576	C4bp	1.31077	1	1.34409	533.338	1288.96 Up
NM_007675	Ceacam10	1.32003	1	1.40404	147.691	372.163 Up
NM_008411	Cuzd1	1.32169	1	1.34764	734.463	1779.37 Up
NM_029958	Lcn12	1.33149	1	1.41901	198.664	505.846 Up
NM_153115	Spag11a	1.34204	1	1.43346	298.638	768.081 Up
NM_009027	Rasgrf2	1.34731	1	1.77188	0.732089	2.4013 Up
NM_001145899	Slc15a2	1.34845	1	1.60152	14.6823	42.533 Up
NM_001167673	Pate-e	1.35024	1	1.48694	88.7691	237.033 Up
NM_001168423	Spink13	1.35211	1	1.66034	13.2373	40.0043 Up
NM_011491	Stc2	1.35292	1	1.87088	1.9046	6.72665 Up
NM_001034910	Defb42	1.35463	1	1.3987	923.148	2317.19 Up
NM_001168620	Enpp5	1.35503	1	1.39612	266.506	667.753 Up
NM_001039566	Defb30	1.36155	1	1.40519	576.045	1452.44 Up
NM_011702	Vip	1.36228	1	1.69882	5.70505	17.7244 Up
NM_001001444	Defb29	1.37156	1	1.52889	105.142	289.114 Up
NM_183038	Defb39	1.37714	1	1.47489	446.643	1182.27 Up
NM_001039501	Wfdc10	1.38084	1	1.44251	623.289	1612.87 Up
NM_008813	Enpp1	1.38757	1	1.44803	92.2394	239.6 Up
NM_001048217	Spink11	1.41926	1	1.4551	1136.48	2966.33 Up
NM_001040027	Gm15386	1.43653	1	1.53771	405.09	1120.05 Up
NM_026593	D730048I06Rik	1.43918	1	1.47625	591.711	1567.24 Up
NM_176950	Defb20	1.44076	1	1.46586	2505.71	6588.95 Up
NM_001081180	Spink5	1.4489	1	1.50757	65.5245	177.376 Up
NM_009349	Inmt	1.45452	1	1.61211	40.8075	118.88 Up
NM_001012640	AY761185	1.4634	1	1.59466	124.759	358.955 Up
NM_007402	Adam7	1.47889	1	1.49035	2382.66	6372.55 Up
NM_001193274	BC048679	1.49601	1	1.61258	111.307	324.204 Up
NM_001037752	Defb45	1.51254	1	1.63313	184.111	543.983 Up
NM_011921	Aldh1a7	1.53387	1	1.60677	96.1154	278.73 Up
NM_001042630	Lcn5	1.53573	1	1.59325	350.068	1005.62 Up
NM_001039123	Defb18	1.62037	1	1.69984	633.99	1961.17 Up
NM_010030	Defb2	1.66041	1	1.99711	27.0519	103.436 Up
NM_001083884	2210415F13Rik	1.82442	1	1.87428	366.014	1277.53 Up
NM_183123	Spinkl	3.59708	1	3.91832	12.4578	180.87 Up