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Manuscript Title: Comparative Multidimensional Molecular Analyses of Pediatric Diffuse Intrinsic Pontine Glioma Reveals Distinct Molecular Subtypes
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Gene ID	p-value (1 vs. 2)	MeanRatio (1 vs. 2)	FoldChange (1 vs. 2)	FoldChange (1 vs. 2)	F(Gene Group)	SS(Gene Group)	SS(Error)	F(Error)	FoldChange (106 vs. n)	FoldChange (111 vs. n)	FoldChange (112 vs. n)	FoldChange (121 vs. n)	FoldChange (347 vs. n)	FoldChange (353 vs. n)	FoldChange (537 vs. n)	FoldChange (563 vs. n)
ABI3BP	0.448707	0.152963	-6.53755	1 down vs 2	0.65658	1976.53	18062	1	4.52612	2.42827	2.20652	15.4986	-2.43516	18.8329	10.8266	157.36
ABL2	0.133292	-0.429557	-2.32798	1 down vs 2	3.01281	162.224	323.069	1	-6.38655	2.33607	3.02846	-5.45098	3.45263	-1.19555	8.82283	19.5413
ACMSD	0.599448	0.339921	-2.94186	1 down vs 2	0.307181	1841.18	35962.7	1	37.896	7.09331	6.97566	6.99726	3.51839	-1.21671	215.241	9.27417
ACP6	0.39876	-0.180074	-5.55328	1 down vs 2	0.824905	1106.97	8051.61	1	-3.32891	-2.44172	-2.93318	-4.01944	-3.77484	3.16558	4.5317	100.628
ACRV1	0.120964	-0.243128	-4.11305	1 down vs 2	3.2612	9345.22	17193.5	1	-46.018	104.097	2.344	6.79127	-2.19566	26.3449	141.77	9.39814
ACTG2	0.279947	0.0532453	-18.781	1 down vs 2	1.40989	1574.96	6702.49	1	-2.60028	4.11495	49.292	4.58554	2.90464	1.3907	3.94737	94.3169
ACTR3	0.0148981	-0.82766	-1.20823	1 down vs 2	11.4096	96.8115	50.9107	1	-4.29658	7.56198	2.04946	-2.10137	-3.36409	-1.01809	4.49857	6.566
ADAMDEC1	0.457657	0.274061	-3.64882	1 down vs 2	0.629797	157.534	1500.81	1	21.0057	35.7175	16.909	3.35307	-13.9774	2.4839	10.5698	-2.54725
ADARB1	0.105452	-0.569463	-1.75604	1 down vs 2	3.62862	1024.18	1693.5	1	-14.5308	6.18353	4.16403	-2.48851	-8.42103	21.6392	46.7701	-4.29974
AFAP1	0.0853536	-0.705863	-1.41671	1 down vs 2	4.23323	115.226	163.316	1	-3.33426	5.28989	5.68457	-3.4609	-2.93615	2.09209	13.758	-3.84721
AGMAT	0.164953	-0.940767	-1.06296	1 down vs 2	2.49969	305.402	733.058	1	-12.8044	-3.08524	24.8522	-3.5425	-2.21257	-2.10972	15.6578	-2.43502
AGTR2	0.743449	0.475489	-2.1031	1 down vs 2	0.117503	63.1213	3223.15	1	-5.04993	4.88525	-3.11591	23.2058	-2.37635	-1.56361	57.5026	-2.39848
AJAP1	0.364209	0.0487428	-20.5159	1 down vs 2	0.963522	102.214	636.503	1	-2.65554	2.58043	18.3623	6.55365	-2.76313	-2.6597	22.8913	-2.36583
AKAP12	0.014314	-0.685031	-1.45979	1 down vs 2	11.6299	223.008	115.052	1	-7.12523	6.21399	7.926	-2.20162	-3.97412	1.71494	14.2305	2.27556
AKAP12	0.00480416	-0.772786	-1.29402	1 down vs 2	18.9532	197.976	62.6733	1	-3.07085	5.55697	7.61086	-3.44791	-6.9191	1.7904	10.969	3.05418
AKAP7	0.21571	-0.269755	-3.70707	1 down vs 2	1.91479	3004.53	9414.7	1	-17.2052	114.86	5.15882	-3.58961	-4.71797	22.3558	22.3644	-7.10944
ALDH1A2	0.0992188	-0.252871	-3.95459	1 down vs 2	3.79797	104.382	164.901	1	-10.8991	9.94895	6.73598	3.1734	3.20792	4.19897	6.49034	2.40235
ALPK2	0.0668487	-0.552488	-1.80999	1 down vs 2	4.9931	2207.26	2652.38	1	-13.5918	20.0843	41.2985	-17.3706	-5.66804	-7.39232	53.3833	3.12765
ALS2CR12	0.577234	0.0114782	-87.1216	1 down vs 2	0.347135	1754.64	30327.7	1	-6.31192	15.3238	-186.353	2.73581	2.51049	2.68694	7.40051	6.21091
AMICA1	0.239443	-0.0049132	-203.535	1 down vs 2	1.70516	276.888	974.296	1	4.24271	36.3353	4.13211	-8.55845	4.1375	1.58942	2.57576	15.8309
AMY1A	0.0352429	-0.427959	-2.33667	1 down vs 2	7.32825	708.958	580.459	1	-11.2216	18.7848	4.66076	-3.10031	-3.16116	2.62098	11.0186	31.0018
ANKRD36	0.165935	-0.452398	-2.21044	1 down vs 2	2.48602	280.181	676.216	1	-5.14583	19.4963	4.09532	-3.72661	-2.55043	-1.72543	24.6482	-4.43173
ANKRD6	0.0433864	-0.706622	-1.41518	1 down vs 2	6.51158	207.712	191.393	1	-11.0211	3.56309	4.11931	3.5692	-5.62189	6.28989	13.9687	2.89537
ANKZF1	0.367148	-0.200528	-4.98683	1 down vs 2	0.950909	713.397	4501.36	1	-2.41285	75.4701	-2.11359	3.11296	-10.4745	1.07999	2.09417	4.70796
ANO6	0.0101624	-0.477286	-2.09518	1 down vs 2	13.6444	132.676	58.3428	1	-3.01799	4.41724	2.07354	-2.46155	-2.6737	2.61575	8.6427	10.7216
ANXA1	0.0721092	-0.102974	-9.71119	1 down vs 2	4.7503	678.049	856.429	1	2.2515	22.9596	6.78784	-4.74969	-2.82796	1.50538	38.227	16.7256
AP1GBP1	0.0165247	-0.860615	-1.16196	1 down vs 2	10.8525	242	133.794	1	-6.03467	12.573	10.0181	-4.46414	-5.26572	-1.93285	6.94463	2.92669
APBA2BP	0.392529	-0.104451	-9.57388	1 down vs 2	0.84842	3878.05	27425.4	1	-4.25737	3.34903	189.266	-3.58115	-5.06454	3.13595	7.09302	3.04331
APOBEC3D	0.50879	-0.124835	-8.01059	1 down vs 2	0.493267	10617.9	129154	1	-43.9542	9.71337	2.75832	21.8733	-2.97364	-7.46596	-53.0591	382.556
APOBEC3F	0.265691	-0.710615	-1.40723	1 down vs 2	1.50616	3556.38	14167.4	1	-44.2976	-2.89101	-3.68064	-7.91575	-2.06252	-2.53803	8.91961	127.488
APOC1	0.0788442	-0.0700611	-14.2733	1 down vs 2	4.47253	55.5988	74.5871	1	4.30589	9.55513	2.24499	-2.26667	-3.10882	1.81437	6.78181	5.04817
ARHGAP10	0.0725577	-0.0100654	-99.3498	1 down vs 2	4.73072	69.0574	87.5859	1	-2.02654	2.7701	4.1049	5.5124	-3.66729	9.29001	9.49237	4.38435
ARHGAP11A	0.258835	-0.0232216	-43.0634	1 down vs 2	1.55524	11337.5	43739.1	1	-11.0432	144.711	-2.87316	3.66064	2.08836	3.24288	226.849	8.0477
ARHGEF5L	0.484396	0.060101	-16.6387	1 down vs 2	0.555089	3730.22	40320.2	1	4.04738	7.408	5.99675	6.56453	-2.05557	1.81292	226.77	-4.71086
ASAH2B	0.945679	0.947271	-1.05566	1 down vs 2	0.00504588	0.0831512	98.8742	1	-2.49512	2.07736	-2.67054	-5.97408	-2.8804	-2.53023	-6.01273	-10.8328
ATP1B4	0.264081	-0.719803	-1.38927	1 down vs 2	1.51751	538.432	2128.87	1	-2.34342	-2.85193	50.3928	-7.94781	-10.9863	-3.6265	3.32016	2.03246
ATP2B4	0.328077	-0.679534	-1.4716	1 down vs 2	1.13304	18.75	99.2901	1	-4.22179	3.66366	3.68342	4.5345	-4.15105	1.39221	4.64753	-3.97267
ATRN	0.0924631	-0.266973	-3.74569	1 down vs 2	3.99885	509.595	764.612	1	-5.29923	33.8636	3.45334	-2.09926	-3.0231	2.30814	20.4079	5.0271

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AURKA	0.251907	-0.394519	-2.53473	1 down vs 2	1.60684	2983.54	11140.6	1	-35.0264	118.964	3.93279	3.27311	-2.10225	4.51827	13.3629	2.24674
AURKA	0.319204	-0.254597	-3.92778	1 down vs 2	1.17922	8458.95	43039.9	1	-35.294	237.221	5.01871	2.77528	-8.37223	5.65231	16.1395	3.65308
B3GAT2	0.738897	-0.223256	-4.47915	1 down vs 2	0.121913	1442.33	70985.2	1	-33.7791	237.132	-126.595	7.49263	11.1006	-1.46945	6.7751	-2.47622
B3GNT2	0.748183	0.470255	-2.12651	1 down vs 2	0.113015	199.642	10599.1	1	-17.8756	4.65554	2.04424	-3.10429	-6.49986	-1.21517	7.96326	-110.841
B4GALT5	0.00338847	-0.652934	-1.53155	1 down vs 2	21.9222	214.701	58.7627	1	-5.1928	9.83827	2.73193	-3.32717	-4.16098	4.76965	11.1632	3.86611
BCL7A	0.393039	-0.261166	-3.82898	1 down vs 2	0.846472	3556.61	25210.1	1	-23.9035	3.68328	2.87265	4.48467	-7.6384	1.54396	175.025	-10.4555
BEAN	0.389448	-0.104742	-9.54726	1 down vs 2	0.860277	630576	4.40E+06	1	-9.59052	6.30153	2.08883	-4.55359	-150.805	231.564	2389.2	-4.46887
BIRC5	0.341354	0.109098	-9.16605	1 down vs 2	1.06746	270.838	1522.32	1	-6.18645	44.3691	3.05833	15.9481	-5.34632	5.45399	8.64733	5.92315
BRD7P2	0.39394	-0.0180965	-55.2593	1 down vs 2	0.84304	9221.5	65630.3	1	8.23081	-2.45754	-291.247	-2.03997	-2.45122	-1.66325	-64.8031	15.7565
BRIP1	0.331823	-0.268795	-3.7203	1 down vs 2	1.11412	3627.44	19535.2	1	-18.0505	3.19996	158.806	-6.6819	-3.22204	1.97331	13.231	-3.87869
BRUNOL5	0.972904	0.958237	-1.04358	1 down vs 2	0.00125359	4.66677	22336.3	1	-89.575	15.5827	-143.131	-13.859	-5.16066	1.86794	3.25807	-66.457
BSND	0.323265	0.0662104	-15.1034	1 down vs 2	1.15785	6069.54	31452.5	1	-5.65372	192.936	110.958	-2.83696	20.5932	4.08617	2.86775	-6.19992
C10orf111	0.313291	-0.552691	-1.80933	1 down vs 2	1.21112	3853.19	19089	1	-55.9724	5.61181	3.09249	5.10029	2.46289	-1.95816	144.548	-5.3138
C10orf59	0.316639	-0.266225	-3.75622	1 down vs 2	1.19295	433.686	2181.24	1	-3.13854	2.2823	-2.3251	-2.77908	-3.67521	-5.15392	13.441	51.8103
C12orf48	0.505465	0.432075	-2.31441	1 down vs 2	0.501362	5.49424	65.7517	1	-2.10733	4.22146	7.14729	3.55944	2.45489	-2.30306	2.33557	3.66941
C12orf49	0.0297127	-0.871958	-1.14684	1 down vs 2	8.04434	129.668	96.7152	1	-2.97485	7.21528	2.65185	-3.79727	-4.84871	-1.58702	11.1472	2.78482
C14orf37	0.153758	-0.858837	-1.16437	1 down vs 2	2.66407	270.076	608.265	1	-9.83062	2.73153	2.11395	-3.13525	-3.66953	2.33179	27.6607	-2.55515
C16orf74	0.475075	-0.318167	-3.143	1 down vs 2	0.580266	3805.58	39350	1	57.9539	-201.493	-5.07177	-22.1717	-3.15979	1.20318	32.4721	2.00231
C17orf51	0.185805	-0.502264	-1.99099	1 down vs 2	2.23189	3494.28	9393.67	1	-36.3823	3.86236	42.3791	-3.42197	-3.49545	1.65696	104.456	-8.67258
C17orf67	0.245574	-0.0376058	-26.5917	1 down vs 2	1.65588	43.1508	156.355	1	-2.92031	6.24375	-2.33487	5.45703	-3.05832	1.84427	11.6038	5.76006
C17orf98	0.142207	-0.231611	-4.31759	1 down vs 2	2.8523	360.158	757.617	1	-8.47969	3.88228	13.7347	-2.00887	2.66954	1.30839	33.2564	4.08377
C1orf187	0.0490744	-0.0839346	-11.914	1 down vs 2	6.05493	1390.71	1378.09	1	-5.25376	38.1826	7.74185	2.17226	-3.24518	17.1239	50.4713	12.1076
C1QB	0.117483	-0.506797	-1.97318	1 down vs 2	3.33776	38.417	69.0589	1	2.24073	7.41422	3.20958	-3.78784	-3.02021	-2.10412	2.29748	4.20305
C1QL4	0.602289	0.317903	-3.14561	1 down vs 2	0.302307	17098.2	339355	1	2.48711	23.6251	3.06517	125.864	5.16859	2.02542	653.085	18.2008
C1QTNF5	0.104526	0.282416	-3.54088	1 down vs 2	3.6529	45.6322	74.9523	1	4.57098	5.0821	2.63897	3.56456	-2.31085	5.97282	9.52329	11.157
C1S	0.027479	-0.153894	-6.49799	1 down vs 2	8.38657	154.784	110.737	1	4.21284	8.01045	6.95994	-4.77514	-3.07299	3.21994	6.85611	14.3237
C2	0.262279	-0.0646644	-15.4645	1 down vs 2	1.53035	121.618	476.826	1	4.81548	2.49346	9.47463	-3.80272	-2.48024	-1.71985	2.81625	24.7585
C20orf7	0.544529	0.336798	-2.96913	1 down vs 2	0.412326	4.67485	68.0265	1	-2.18528	2.09556	3.16145	2.11076	2.48015	1.50175	7.7224	-2.57676
C21orf131	0.491897	0.202395	-4.94083	1 down vs 2	0.535469	44490.7	498524	1	-2.16052	-140.962	-13.2592	-7.17036	-107.934	-811.066	-3.37982	3.02486
C21orf62	0.0360314	-0.175124	-5.71023	1 down vs 2	7.23849	2393.62	1984.08	1	11.4163	10.6103	62.0502	-19.7604	-7.62981	28.9438	29.7245	20.6957
C22orf9	0.468585	0.559844	-1.78621	1 down vs 2	0.598333	97.4093	976.807	1	-13.1169	-6.85964	-28.4201	-4.6997	-9.68652	-36.9999	-7.24311	-2.35452
C2orf27A	0.210346	-0.0203609	-49.1137	1 down vs 2	1.96686	33772.6	103025	1	-7.24883	292.496	5.74467	2.91225	-3.69769	15.9855	22.282	321.146
C3orf15	0.182249	-0.27875	-3.58744	1 down vs 2	2.27446	309.348	816.056	1	-7.13548	3.4764	3.46137	3.82651	-5.09092	5.87676	34.4249	2.98411
C3orf55	0.997293	0.990251	-1.00985	1 down vs 2	1.25E-05	0.0003275	157.062	1	-2.36947	2.45881	2.6388	-4.40117	2.74347	-8.75563	3.16269	-6.2827
C4orf11	0.395303	-0.0893875	-11.1872	1 down vs 2	0.837876	6572.59	47066.1	1	-8.46757	5.65858	9.88214	2.93228	-9.03886	5.03115	248.152	3.01715
C4orf15	0.294707	-0.638555	-1.56604	1 down vs 2	1.31769	76.6728	349.123	1	-4.94293	4.58553	9.38432	3.5798	-6.11303	3.95527	11.8234	-10.2353
C6orf105	0.271923	0.148867	-6.7174	1 down vs 2	1.46315	160.454	657.981	1	-2.2819	-12.3532	-3.79899	-4.64818	2.07611	-1.60428	-32.1939	-4.39306
C6orf127	0.182594	-0.958379	-1.04343	1 down vs 2	2.27029	50.7059	134.007	1	-2.48466	-2.1611	6.94323	-9.31826	4.16825	3.6881	2.77849	2.02834
C6orf15	0.496403	0.187719	-5.32711	1 down vs 2	0.523948	19.3109	221.139	1	4.2246	4.94365	-8.98012	-3.9574	-2.49217	1.66127	-7.62737	-9.75186
C6orf150	0.421135	-0.477128	-2.09587	1 down vs 2	0.74529	249.351	2007.41	1	-2.15724	40.5174	2.00498	-2.99858	-6.01906	-20.643	15.0948	2.06103
C6orf173	0.162551	-0.228684	-4.37285	1 down vs 2	2.5336	3107.92	7360.09	1	-28.5981	97.2919	50.3987	8.1236	-2.25821	8.67317	6.7647	2.54927
C6orf174	0.738886	0.396511	-2.522	1 down vs 2	0.121923	138.88	6834.51	1	-9.27542	11.2304	3.07155	-4.85682	-2.83168	-86.9765	8.69323	-7.32369
C6orf208	0.274249	0.18313	-5.46061	1 down vs 2	1.44746	67.6331	280.352	1	9.96568	2.59169	9.51141	-2.39146	-3.53492	4.15796	17.798	2.70267
C6orf211	0.016826	-0.553523	-1.80661	1 down vs 2	10.7573	200.2	111.664	1	-2.84869	2.48189	8.28699	-10.4706	2.27415	9.49444	5.71657	7.27719
C6orf94	0.511939	-0.0268882	-37.1911	1 down vs 2	0.485691	42598.8	526245	1	-4.57005	5.7121	8.15956	-4.56256	-2.70754	792.579	2.82798	-75.3655
C7orf13	0.161224	-0.311168	-3.21369	1 down vs 2	2.55265	45.0436	105.875	1	-4.68299	8.72596	-2.08452	3.58275	-2.38935	2.86173	6.64863	2.53899
C7orf52	0.286734	-0.0058861	-169.892	1 down vs 2	1.3666	19422.5	85273.6	1	-2.35692	8.27273	38.9916	3.06056	-2.49034	85.9853	356.657	16.0038
C7orf68	0.343588	-0.12462	-8.02442	1 down vs 2	1.05682	696.318	3953.27	1	-2.13613	4.99813	2.47688	2.11199	-6.38213	1.70136	3.429	73.0723
C8orf42	0.290768	0.0467922	-21.3711	1 down vs 2	1.3416	219.876	983.344	1	-3.5254	33.3506	-8.01564	2.22367	2.89649	12.8638	15.9615	2.64265
C8orf80	0.716541	0.478584	-2.0895	1 down vs 2	0.144931	49.3168	2041.66	1	-7.96352	5.70162	-2.76102	-2.83282	-3.32553	-5.85875	2.99271	-49.2539
C9orf109	0.831167	0.693654	-1.44164	1 down vs 2	0.0495893	1.40033	169.432	1	-2.67522	4.07083	3.02133	11.1041	-2.55848	-2.54649	6.48709	3.07225
C9orf117	0.342239	-0.0088176	-113.409	1 down vs 2	1.06323	1014.61	5725.59	1	-6.06129	89.9005	4.82256	7.71338	-2.26206	10.9143	2.40028	7.25608

Gene ID	p-value (1 vs. 2)	MeanRatio (1 vs. 2)	FoldChange (1 vs. 2)	FoldChange (1 vs. 2)	F(Gene Group)	SS(Gene Group)	SS(Error)	F(Error)	FoldChange (106 vs. n)	FoldChange (111 vs. n)	FoldChange (112 vs. n)	FoldChange (121 vs. n)	FoldChange (347 vs. n)	FoldChange (353 vs. n)	FoldChange (537 vs. n)	FoldChange (563 vs. n)
C9orf50	0.00344788	-0.445566	-2.24434	1 down vs 2	21.766	302.178	83.2981	1	-2.06802	12.4459	12.9644	-2.84648	-6.82436	5.50946	9.51128	3.47892
C9orf61	0.213674	-0.243844	-4.10098	1 down vs 2	1.93434	64.3936	199.739	1	2.81533	-5.82657	-2.27135	5.88055	-5.2493	-13.4773	2.31921	-4.30125
CACNG6	0.126132	-0.550574	-1.81629	1 down vs 2	3.15298	801.741	1525.68	1	2.95417	37.4702	15.9393	2.81696	-27.7984	7.98695	7.71186	-2.42858
CACYBP	0.344017	-0.26331	-3.7978	1 down vs 2	1.05479	4095.34	23295.6	1	-21.3456	172.304	2.15497	-3.06466	-4.81264	-1.56468	15.156	-3.07913
CALD1	0.023499	-0.895134	-1.11715	1 down vs 2	9.10004	110.153	72.6279	1	-2.69829	5.80603	2.01408	-4.03077	-4.13185	-1.23333	10.0492	3.58616
CANX	0.000130414	-0.994559	-1.00547	1 down vs 2	75.06	91.6851	7.32894	1	-3.74945	4.92447	3.34623	-2.19067	-4.52041	1.9987	3.92277	3.33742
CAPS	0.377523	0.154289	-6.48134	1 down vs 2	0.907658	163.753	1082.48	1	3.11671	2.26035	2.44753	4.44877	-2.45068	1.3976	9.64775	39.498
CARD8	0.0811763	-0.569007	-1.75745	1 down vs 2	4.38378	216.141	295.829	1	-6.15732	21.7609	2.25317	-2.84555	-2.67819	2.2856	5.84126	2.07384
CASKIN1	0.31096	-0.362855	-2.75592	1 down vs 2	1.22395	782.102	3833.99	1	-10.6174	5.03287	3.157	-2.10009	-3.59558	2.88921	69.5644	-5.71422
CASZ1	0.249162	0.0500829	-19.9669	1 down vs 2	1.62788	9296.44	34264.7	1	10.4072	172.587	3.18425	5.28652	-4.55635	3.78582	13.2052	177.869
CCDC109B	0.00341245	-0.787406	-1.26999	1 down vs 2	21.8587	376.804	103.429	1	-4.57026	10.9641	4.04158	-7.00627	-7.15847	2.2209	7.99617	14.4328
CCDC80	0.263673	-0.348527	-2.86922	1 down vs 2	1.52041	701.336	2767.69	1	-4.51972	5.40024	2.32668	-7.64211	-2.83366	6.88516	60.737	-3.64026
CCL11	0.4847	-0.0146851	-68.0961	1 down vs 2	0.554282	21251.7	230045	1	-3.46176	2.59932	2.69997	14.0971	-6.01298	-3.24601	6.98208	-533.643
CCL15	0.551344	0.603529	-1.65692	1 down vs 2	0.39808	6.76954	102.033	1	-4.21081	5.65219	5.88324	6.47976	6.40839	1.43204	3.03493	7.96039
CCL28	0.0595373	-0.464353	-2.15353	1 down vs 2	5.37737	508.815	567.729	1	-4.19854	2.45365	4.16481	3.8413	-15.314	25.9416	16.235	7.45248
CCL5	0.159962	0.00709399	-140.964	1 down vs 2	2.57096	222.347	518.905	1	6.79214	2.05129	26.3247	-4.29732	-2.26141	1.08127	16.5756	8.8046
CCNF	0.0231451	-0.702045	-1.42441	1 down vs 2	9.17128	151.821	99.324	1	-9.63004	7.79642	3.15787	2.29849	-3.80321	4.85825	8.23919	2.38238
CD163	0.096643	-0.19804	-5.04948	1 down vs 2	3.87228	4865.09	7538.33	1	2.62247	20.3818	82.5414	-25.8812	-2.00214	1.91447	14.686	93.0666
CD163	0.155716	-0.0787727	-12.6948	1 down vs 2	2.63413	17730.4	40386.3	1	3.02115	47.9418	164.335	-21.5461	-2.77734	1.66053	10.3448	226.43
CD164L2	0.856298	0.509743	-1.96177	1 down vs 2	0.0357342	8.47527	1423.05	1	30.8864	4.78351	2.57255	-10.4612	-13.7935	3.45992	14.8558	-3.98863
CD1D	0.286075	-0.388696	-2.57271	1 down vs 2	1.37074	87.3522	382.358	1	-2.16135	-20.6146	3.28019	4.15043	3.74231	1.60812	-3.81849	-5.03054
CD276	0.00962798	-0.338735	-2.95216	1 down vs 2	13.984	426.767	183.11	1	-4.80318	12.3201	3.74651	-2.22787	-4.42095	5.24629	19.4152	15.6188
CD44	0.432424	0.045996	-21.741	1 down vs 2	0.707786	860.165	7291.73	1	8.06503	5.01338	2.75871	-2.73773	-2.2293	2.01571	4.05883	98.4095
CD52	0.013621	-0.413704	-2.41719	1 down vs 2	11.9075	221.076	111.397	1	-3.29792	3.35376	8.53443	-2.08197	-4.15297	1.31369	13.2402	11.9624
CD58	0.0588471	-0.0399068	-25.0584	1 down vs 2	5.41694	133.644	148.029	1	-3.57624	6.74923	5.69515	-3.18116	5.78544	2.39165	14.6256	11.1313
CD72	0.0379426	-0.0623787	-16.0311	1 down vs 2	7.03148	406.688	347.029	1	-3.08686	4.11556	19.1366	3.18951	-2.69688	16.6875	4.93683	24.4375
CD83	0.220727	-0.191637	-5.21819	1 down vs 2	1.86776	813.835	2614.36	1	-8.08703	8.22903	3.04392	2.29705	-4.26138	11.9572	62.1567	2.02968
CDC2	0.45084	0.014295	-69.9546	1 down vs 2	0.650112	32078.6	296059	1	-8.14993	619.002	4.13803	4.43936	9.40126	7.15578	7.78652	25.4012
CDC25C	0.212409	-0.0391515	-25.5418	1 down vs 2	1.94661	594.788	1833.3	1	-5.54245	50.1214	3.75981	6.35777	-2.82845	26.1014	3.32827	2.3873
CDCA1	0.637006	0.525658	-1.90238	1 down vs 2	0.24681	15215.8	369899	1	-93.0529	317.073	56.7788	388.389	4.15171	10.7417	562.788	2.18379
CDH12P	0.242825	-0.13992	-7.14695	1 down vs 2	1.67776	610.123	2181.93	1	-2.04583	13.9153	56.692	-2.02397	-2.57274	2.12093	3.99221	2.40274
CELSR1	0.010378	-0.357786	-2.79497	1 down vs 2	13.5141	653.738	290.247	1	-5.28064	5.81862	20.2278	-6.02664	-3.45367	3.79794	22.43	16.4863
CES8	0.337267	0.227513	-4.39535	1 down vs 2	1.08722	2099.12	11584.3	1	-2.94719	-49.9856	-12.8528	-4.08906	-22.5272	-133.451	-5.4132	-14.8668
CH25H	0.916609	0.90948	-1.09953	1 down vs 2	0.0119234	0.940665	473.355	1	16.5836	19.9008	4.12792	7.72791	-2.96211	-1.40093	3.95804	12.538
CHI3L1	0.863876	0.611786	-1.63456	1 down vs 2	0.0320185	63.2738	11857	1	6.03997	2.15849	7.0609	-31.2115	-2.29235	-108.792	9.5921	15.1617
CHI3L1	0.391458	-0.112582	-8.88241	1 down vs 2	0.852526	7721.13	54340.6	1	6.97537	3.91433	4.91361	-21.8436	-4.61218	1.05803	13.2924	265.21
CHI3L2	0.536859	0.389859	-2.56503	1 down vs 2	0.428798	1748.41	24464.8	1	54.8253	173.726	7.53637	9.33116	-5.62105	-7.72328	8.62088	68.0821
CHMP6	0.0869345	-0.406707	-2.45877	1 down vs 2	4.17885	292.923	420.58	1	-3.81622	15.2388	21.4682	-4.56057	-2.46437	-4.42196	9.72441	2.4171
CHRM3	0.366783	-0.281507	-3.55231	1 down vs 2	0.952464	740001	4.66E+06	1	-361.797	9.50194	7.59628	-6.70544	-45.5017	2405.45	31.2369	-2.66391
CLCF1	0.321077	-0.218466	-4.57737	1 down vs 2	1.16931	9774.58	50155.5	1	3.97905	6.64127	13.8072	-5.59164	-37.2239	-8.11391	27.5872	256.36
CLEC2D	0.271892	-0.13444	-7.43828	1 down vs 2	1.46336	1402.48	5750.4	1	-14.3125	90.1726	3.15975	6.60166	-2.01249	11.4542	12.2989	3.456
CLGN	0.478145	-0.975252	-1.02538	1 down vs 2	0.571874	15.6929	164.648	1	-7.29794	-2.55622	-2.99943	5.51665	-2.50387	8.00854	2.48099	2.38929
CLIC1	0.0636954	-0.949031	-1.05371	1 down vs 2	5.15146	216.883	252.608	1	-2.62665	3.25795	3.62127	-9.36484	-3.7192	-2.0931	4.67305	18.1316
CLPB	0.062995	-0.983296	-1.01699	1 down vs 2	5.18809	1971.99	2280.6	1	-3.8676	42.1215	4.02514	-3.67515	-40.6931	2.0221	30.024	3.56602
CLSTN2	0.391101	-0.0784585	-12.7456	1 down vs 2	0.853898	1701.69	11957.1	1	-4.97205	3.54722	2.73232	2.84809	-4.45106	10.1351	125.274	-2.01786
CMTM7	0.0288056	-0.680911	-1.46862	1 down vs 2	8.17901	126.994	93.1606	1	-4.59031	5.19865	4.61515	-2.3637	-3.04731	-1.25589	3.85312	12.0692
CMTM7	0.00801782	-0.653294	-1.5307	1 down vs 2	15.1814	104.135	41.1564	1	-4.23894	8.89969	6.37536	-2.53002	-2.06547	1.08118	3.13155	3.05039
CNR1	0.0453617	-0.428743	-2.3324	1 down vs 2	6.34426	926.024	875.774	1	-7.78326	29.5945	7.07743	-4.46869	-7.75471	12.4701	31.4463	-2.81579
COL27A1	0.434339	0.0817705	-12.2294	1 down vs 2	0.701592	475.192	4063.83	1	2.43213	4.13458	4.97687	5.97017	-4.14925	1.0182	73.9199	2.6372
COL6A3	0.0781318	-0.738726	-1.35368	1 down vs 2	4.50035	3015.64	4020.54	1	-44.6316	5.04615	32.6826	-2.02342	-4.46167	1.56754	10.1832	65.8467
CP	0.434556	0.0549891	-18.1854	1 down vs 2	0.700892	62176.3	532261	1	25.1669	840.426	21.4308	2.7832	3.83857	-15.0367	14.7647	101.9
CPAMD8	0.568473	0.123649	-8.08743	1 down vs 2	0.363827	40923.1	674877	1	-2.22637	58.2452	-2.17608	2.06769	-62.3753	-900.534	-2.04284	3.60933

Gene ID	p-value (1 vs. 2)	MeanRatio (1 vs. 2)	FoldChange (1 vs. 2)	FoldChange (1 vs. 2)	F(Gene Group)	SS(Gene Group)	SS(Error)	F(Error)	FoldChange (106 vs. n)	FoldChange (111 vs. n)	FoldChange (112 vs. n)	FoldChange (121 vs. n)	FoldChange (347 vs. n)	FoldChange (353 vs. n)	FoldChange (537 vs. n)	FoldChange (563 vs. n)
CPT1A	0.147602	-0.246251	-4.06089	1 down vs 2	2.76182	999.565	2171.53	1	-3.48543	4.64084	7.65342	-2.29765	-7.90364	2.5942	58.3826	19.3627
CREB3L4	0.0591269	-0.342592	-2.91892	1 down vs 2	5.40083	244.262	271.361	1	-11.5346	15.1618	2.94042	5.17956	-2.38236	9.991	2.18658	12.2265
CRYBB3	0.945868	0.718193	-1.39238	1 down vs 2	0.00501078	0.948463	1135.71	1	3.27701	31.7971	-8.20627	5.23987	-3.07912	-2.57029	-6.37329	-2.02817
CRYZ	0.0255071	-0.365507	-2.73593	1 down vs 2	8.72134	78.3818	53.9242	1	-5.01245	7.97288	2.56708	2.54694	-2.72643	2.18068	6.20335	4.75064
CTHRC1	0.220716	-0.0134163	-74.5361	1 down vs 2	1.86786	6640.28	21330.1	1	-6.15376	81.9668	5.20746	-3.27271	7.06295	13.2787	176.885	16.2746
CTSC	0.0172125	-0.622225	-1.60713	1 down vs 2	10.6386	122.221	68.9307	1	-2.32692	8.5833	3.25456	-4.66764	-2.29573	-1.08247	5.68198	8.44721
CTSL1	0.00641846	-0.889941	-1.12367	1 down vs 2	16.7403	133.488	47.844	1	-3.27047	2.29355	3.60938	-2.38088	-6.26804	1.07208	6.67431	8.67311
CXCL6	0.0769456	-0.378699	-2.64062	1 down vs 2	4.54746	249.975	329.822	1	-4.18871	13.1967	15.8655	5.61764	-10.9436	-1.38922	4.53274	9.66869
CXCR4	0.38489	-0.005356	-186.705	1 down vs 2	0.878103	48906.4	334173	1	-3.1005	28.2479	74.3137	2.5681	-2.04883	2.51752	675.536	22.6011
CYP21A2	0.479518	0.00351937	-284.141	1 down vs 2	0.568154	820772	8.67E+06	1	4.46886	2.47769	11.2329	4.86675	-2.32544	3.15882	5.69022	3297.24
CYP26C1	0.914807	0.837184	-1.19448	1 down vs 2	0.0124467	42.5964	20533.8	1	-66.2252	5.03555	-7.81097	-4.74227	-2.55659	1.14909	-148.67	3.9245
CYP3A7	0.419682	0.0625236	-15.994	1 down vs 2	0.750242	73.9557	591.455	1	-3.09622	-3.01913	-27.2074	-2.05859	3.89823	3.66127	-2.92806	-4.00282
CYTH2	0.0140637	-0.214127	-4.67013	1 down vs 2	11.728	57.1286	29.2267	1	-3.21402	5.86425	2.65808	2.85336	-2.55982	3.83362	4.73401	5.64174
D4S234E	0.391978	-0.0410437	-24.3643	1 down vs 2	0.850531	2933.1	20691.3	1	-2.52775	10.2138	9.14638	2.74619	-4.89645	1.3513	166.372	2.87727
DBI	0.00422116	-0.539682	-1.85294	1 down vs 2	20.0131	108.799	32.6183	1	-3.48265	9.7004	2.35757	-2.22239	-2.30509	4.93809	3.92964	3.81151
DCBLD2	0.00373647	-0.675179	-1.48109	1 down vs 2	21.0554	283.027	80.6521	1	-5.64618	8.40038	3.63052	-4.65997	-4.54952	2.13027	13.1581	9.35168
DCBLD2	0.0128658	-0.923472	-1.08287	1 down vs 2	12.2323	284.083	139.344	1	-6.28278	3.89833	2.76264	-6.33379	-5.11231	1.58395	7.64898	16.1029
DCT	0.264701	-0.128142	-7.80382	1 down vs 2	1.51313	3790.5	15030.4	1	-39.3891	141.35	23.9435	7.41104	16.6567	4.40509	23.649	5.92773
DCX	0.587422	-0.300666	-3.32595	1 down vs 2	0.328398	37.2874	681.259	1	-2.94596	7.12733	6.00038	-3.29738	3.15077	-2.655	-13.9514	20.6216
DDX52	0.329766	-0.110096	-9.08297	1 down vs 2	1.12447	8367.18	44645.9	1	-14.044	242.954	3.78393	-3.20681	-2.62486	-1.06949	60.0336	-4.81849
DEFB125	0.779176	0.154291	-6.48125	1 down vs 2	0.0860225	106.258	7411.42	1	-6.10557	3.3978	-82.1458	5.60652	-3.62119	6.31147	30.4282	-2.49882
DHFR	0.377233	-0.184822	-5.41061	1 down vs 2	0.908841	889.412	5871.73	1	-3.12201	2.65785	-2.50508	-3.96329	-3.10701	-3.257	8.63037	86.3849
DKFZp667F07	0.236817	-0.944402	-1.05887	1 down vs 2	1.72684	1172.23	4072.98	1	-3.57911	-10.3679	3.27466	-2.6357	-30.2184	-1.6841	8.09085	64.9833
DKK1	0.0233914	-0.643458	-1.5541	1 down vs 2	9.12155	172.12	113.218	1	-4.15338	5.64187	3.94961	-4.45846	-2.64194	-1.02139	13.5328	7.04632
DLEU2	0.143637	-0.953949	-1.04827	1 down vs 2	2.82785	251.338	533.278	1	-16.7307	16.517	-6.43357	-3.27459	3.0478	2.19548	12.8724	4.47551
DLGAP2	0.531514	0.134864	-7.41489	1 down vs 2	0.440559	378099	5.15E+06	1	-149.436	-65.7895	-3.90802	-13.536	-47.0353	-4.75657	25.0235	-2545.87
DLGAP5	0.174804	-0.347198	-2.8802	1 down vs 2	2.36753	6261.34	15868	1	-44.322	148.35	10.7642	2.01607	-2.37269	16.3046	36.9473	2.10639
DNAH17	0.452378	-0.150497	-6.64466	1 down vs 2	0.645481	238.868	2220.37	1	26.5238	-4.66317	-5.522	5.94137	-28.0358	-33.4076	-2.97399	-2.48597
DNAJC2	0.706593	0.316878	-3.15579	1 down vs 2	0.155923	14.4225	554.986	1	-5.79615	-8.50752	18.4465	-2.28522	11.9409	1.30868	6.20395	2.84819
DNMT3B	0.348938	-0.80374	-1.24418	1 down vs 2	1.03178	13.7609	80.0228	1	-2.16054	4.56903	2.30023	3.35238	-4.81332	-1.60626	4.68198	-2.43534
DOCK11	0.0248303	-0.378771	-2.64012	1 down vs 2	8.84437	196.128	133.053	1	-3.68371	16.9094	5.5239	-2.23174	-2.51353	1.68543	7.82502	5.1454
DOK7	0.116506	-0.238204	-4.19809	1 down vs 2	3.35982	558.204	996.847	1	-2.70148	41.9094	9.30536	-4.91448	-2.34207	4.18916	8.00439	6.26615
DOPEY2	0.0508121	-0.992311	-1.00775	1 down vs 2	5.92948	201.303	203.697	1	-6.97336	2.2435	7.01981	-2.35781	-6.15115	3.20058	16.0056	-2.46567
DPH3	0.0225564	-0.86761	-1.15259	1 down vs 2	9.29312	118.605	76.5758	1	-6.54305	9.60034	3.65802	-2.07555	-2.46574	-1.43326	5.87115	3.59662
DPYD	0.440569	-0.0880714	-11.3544	1 down vs 2	0.681759	22845.8	201061	1	-4.0742	3.0887	2.54589	-18.4193	-4.31061	-4.75926	4.04263	502.324
DSE	0.000588406	-0.966417	-1.03475	1 down vs 2	43.3737	124.684	17.2479	1	-3.72277	4.36509	4.95081	-2.55537	-5.74493	1.10629	4.97946	5.33314
DST	0.279939	-0.196818	-5.08084	1 down vs 2	1.40994	2656.79	11306	1	-7.62158	14.2657	6.59733	-8.68844	-2.26101	-8.88373	124.357	20.9244
DUSP6	0.390731	-0.188272	-5.31147	1 down vs 2	0.855321	20237.3	141963	1	-35.3572	423.392	2.61934	-9.26373	-4.76075	-1.40846	18.2806	-5.7345
DYRK3	0.0415353	-0.102544	-9.75193	1 down vs 2	6.678	165.335	148.549	1	-4.02671	13.15	3.92338	5.06342	-3.6568	5.17514	5.90055	14.4358
DYRK3	0.442572	-0.0178415	-56.0492	1 down vs 2	0.675488	95198.2	845595	1	-6.64772	6.59167	10.3751	4.93001	-10.1314	7.2331	1043.44	39.2481
EEF2K	0.0203644	-0.525087	-1.90445	1 down vs 2	9.78727	180.923	110.913	1	-2.80958	2.69831	2.4951	-3.94594	-3.39069	5.01181	6.69394	15.3057
EFCBP1	0.654161	0.613517	-1.62995	1 down vs 2	0.222004	827.036	22351.9	1	-37.729	-6.04269	-3.07042	-7.98407	-54.305	-162.17	-2.10979	-98.3141
EFNA5	0.476302	0.2368	-4.22297	1 down vs 2	0.576901	45.816	476.505	1	-5.23064	5.33047	2.42117	2.63702	7.19484	-1.23643	2.05318	23.8163
EFS	0.33515	-0.598751	-1.67014	1 down vs 2	1.0976	75.9377	415.11	1	-5.44569	2.16175	-2.7732	2.02686	-3.73131	-2.52627	2.04646	20.9942
EGFLAM	0.221071	-0.0615585	-16.2447	1 down vs 2	1.8646	83.554	268.865	1	-2.73497	11.1846	17.1888	-2.36804	3.9417	2.18641	2.95989	-2.07777
EHMT1	0.397944	-0.238481	-4.19321	1 down vs 2	0.827952	401.83	2911.99	1	-3.56106	-4.36228	3.32931	-2.8214	-2.07435	-1.7465	59.7649	2.11647
EIF4EBP2	0.00660054	-0.993424	-1.00662	1 down vs 2	16.5379	114.377	41.4963	1	-7.0186	4.07227	2.28038	-2.31399	-2.34423	2.58525	8.35826	2.29403
ELAC1	0.0426962	-0.726469	-1.37652	1 down vs 2	6.5725	545.785	498.244	1	-15.8544	13.0622	17.2319	-2.34063	-3.34219	1.35559	19.9713	-2.21025
ELAVL2	0.464407	-0.029149	-34.3065	1 down vs 2	0.610206	1.94E+06	1.91E+07	1	-80.0676	72.6306	10.4123	-2.82468	-3.6377	6.27897	4899.4	-41.1539
EME1	0.078182	-0.132169	-7.56606	1 down vs 2	4.49838	426.195	568.465	1	-7.88529	15.5974	10.006	5.7145	-3.10933	2.20596	7.98595	30.7875
EMP1	0.0343837	-0.0956433	-10.4555	1 down vs 2	7.4292	156.289	126.223	1	3.40122	10.7565	2.2884	-3.2224	-2.56977	3.82275	11.0262	13.7705
EMR4	0.365202	-0.171378	-5.83507	1 down vs 2	0.959243	1019.38	6376.16	1	-4.33605	2.9959	9.84492	-2.73294	-3.16502	-1.16008	90.7749	-2.92868

Gene ID	p-value (1 vs. 2)	MeanRatio (1 vs. 2)	FoldChange (1 vs. 2)	FoldChange (1 vs. 2)	F(Gene Group)	SS(Gene Group)	SS(Error)	F(Error)	FoldChange (106 vs. n)	FoldChange (111 vs. n)	FoldChange (112 vs. n)	FoldChange (121 vs. n)	FoldChange (347 vs. n)	FoldChange (353 vs. n)	FoldChange (537 vs. n)	FoldChange (563 vs. n)
ENTPD8	0.098943	-0.0069579	-143.722	1 down vs 2	3.8058	228.044	359.521	1	-5.88246	3.33656	15.9254	2.20962	3.44423	10.2583	23.0942	2.146
EPB41	0.419797	-0.0506468	-19.7446	1 down vs 2	0.749848	58963.1	471800	1	-26.2171	10.3809	2.13588	2.71524	-2.14335	781.357	55.6645	-5.61552
EPHA10	0.8483	0.579878	-1.7245	1 down vs 2	0.039886	10.1831	1531.82	1	-4.37593	-4.69952	9.79091	-2.15201	-3.12191	-36.7215	12.1745	-8.27969
EPHB1	0.197929	-0.0491202	-20.3582	1 down vs 2	2.09507	416.555	1192.96	1	-3.27612	4.04387	3.31071	3.799	-2.61647	16.2343	43.1549	4.29247
ERAP1	0.134624	-0.647429	-1.54457	1 down vs 2	2.98789	91.8927	184.53	1	-2.36281	4.39882	2.12056	-2.83329	-3.05756	-3.02319	15.3575	2.39359
ESPL1	0.247441	0.0228136	-43.8336	1 down vs 2	1.64124	1082.59	3957.72	1	-10.9905	23.9298	2.42129	4.88613	7.78731	77.57	9.56345	9.46423
EXT2	0.0143436	-0.974852	-1.0258	1 down vs 2	11.6184	72.7267	37.5576	1	-3.62304	3.93453	2.11397	-2.53035	-3.0696	-1.18672	7.16422	3.74219
EXTL1	0.3446	-0.629521	-1.58851	1 down vs 2	1.05204	157.695	899.367	1	-9.24729	-2.86635	2.40137	2.9846	-4.36599	2.47051	30.6785	-4.54445
FAM115A	0.761114	0.539289	-1.8543	1 down vs 2	0.101254	54.1794	3210.51	1	-3.6039	2.09093	4.07429	-10.2475	-5.02546	-19.8069	12.6837	-57.3808
FAM136B	0.352227	-0.391435	-2.5547	1 down vs 2	1.01668	2239.8	13218.4	1	-22.31	2.32178	-4.98503	-2.06359	-4.79548	2.61782	126.568	-2.32549
FAM169A	0.670204	0.350928	-2.84959	1 down vs 2	0.200273	77.9073	2334.03	1	-4.8771	6.0147	-3.91081	-2.25445	-3.32371	-4.45641	4.92812	-52.2309
FAM64A	0.363519	-0.0258157	-38.7362	1 down vs 2	0.966505	59747.1	370906	1	-21.8527	708.625	2.37218	10.6139	-2.2382	15.2823	139.173	4.62635
FAM71E1	0.0806739	-0.376388	-2.65683	1 down vs 2	4.40261	109.961	149.859	1	-4.73836	4.84352	5.25624	3.2424	-4.78659	9.56149	10.6417	-2.48349
FAM75A7	0.108139	-0.579832	-1.72464	1 down vs 2	3.5598	156.653	264.037	1	-5.56893	8.99306	2.32325	2.15704	-6.65236	2.84659	16.9187	-2.15297
FAM78B	0.10113	-0.582524	-1.71667	1 down vs 2	3.74453	470.918	754.569	1	-3.29445	34.0641	4.18745	-4.35659	-9.84971	2.84871	6.06515	2.90622
FAM96A	0.00155007	-0.995391	-1.00463	1 down vs 2	29.98	83.6803	16.7472	1	-5.09008	5.79965	2.41576	-2.10796	-2.79961	1.25205	4.10306	3.16938
FARP1	0.538414	-0.0355696	-28.1139	1 down vs 2	0.42542	10.997	155.099	1	-2.56679	6.89836	2.96702	-2.94809	5.26533	-1.03077	7.67115	-4.81271
FBLN1	0.0527138	-0.698573	-1.43149	1 down vs 2	5.7987	60.0512	62.1359	1	-2.98143	3.51072	2.44526	3.04922	-7.05026	1.92214	6.0409	2.73987
FBLN2	0.0269422	-0.195416	-5.11729	1 down vs 2	8.47444	362.695	256.792	1	-4.56831	17.8199	5.45731	2.58467	-4.83711	4.94242	21.2141	8.73922
FBXO16	0.00193408	-0.798683	-1.25206	1 down vs 2	27.4818	341.406	74.5378	1	-9.9899	4.46523	5.0002	-2.14372	-5.84167	10.5927	11.5272	5.92494
FBXO17	0.488889	-0.0137714	-72.6145	1 down vs 2	0.543271	1762.25	19462.7	1	5.82906	-3.16911	2.58098	2.16225	-9.24068	1.84198	154.502	-4.55185
FBXO30	0.433228	-0.0697461	-14.3377	1 down vs 2	0.705181	4123.46	35084.3	1	-2.86221	3.76831	2.10512	-2.03682	-4.27354	-1.19218	211.33	3.17816
FCGBP	0.0125729	-0.190058	-5.26155	1 down vs 2	12.3653	585.84	284.267	1	2.59339	14.24	3.41024	-7.16676	-3.89555	13.7682	18.5893	24.2584
FCGBP	0.0150066	-0.136832	-7.30825	1 down vs 2	11.3699	408.734	215.692	1	2.1263	22.4081	3.21979	-4.21083	-3.24675	11.9428	11.9286	15.4379
FCGR2B	0.368846	-0.136651	-7.31791	1 down vs 2	0.943695	9080.01	57730.6	1	-2.31828	-3.25275	7.11947	-20.0949	-2.68543	3.71489	275.023	23.5109
FCN3	0.00763885	-0.768359	-1.30147	1 down vs 2	15.5108	637.123	246.456	1	-3.60379	13.2002	12.7088	-17.8552	-2.56948	3.891	6.47944	15.8413
FGF5	0.43065	0.0357673	-27.9585	1 down vs 2	0.713568	302.401	2542.72	1	-3.29856	3.0509	-52.3553	5.23822	-3.3529	-1.76256	8.39196	-23.1785
FGFBP2	0.827031	0.693028	-1.44294	1 down vs 2	0.0520983	132.331	15240.2	1	11.8847	17.3497	6.88612	40.1902	4.82392	45.8245	115.87	-49.094
FGFR1	0.784927	0.390369	-2.56168	1 down vs 2	0.0814586	15.7597	1160.81	1	-2.56848	13.3776	3.56295	-11.7725	19.9103	20.9609	-9.49785	-4.62558
FJX1	0.0432638	-0.424762	-2.35426	1 down vs 2	6.52231	1012.56	931.47	1	-10.41	21.0939	12.1236	-6.86462	-3.5096	5.62918	40.0919	2.61379
FLJ11235	0.016445	-0.568842	-1.75796	1 down vs 2	10.878	400.735	221.033	1	-4.59002	18.0317	7.15927	-2.01331	-9.29903	3.74408	15.2163	2.44143
FLJ25076	0.895891	0.771206	-1.29667	1 down vs 2	0.0186323	0.513645	165.405	1	-5.29275	-5.16619	-10.1494	2.36823	-2.36818	1.63284	4.78244	-2.53784
FLJ30092	0.968385	0.921984	-1.08462	1 down vs 2	0.00170698	0.528242	1856.76	1	-3.06019	4.00873	21.0024	38.0401	-16.1617	2.11008	2.1795	4.71688
FLJ35934	0.799597	0.563039	-1.77608	1 down vs 2	0.0704279	87.0934	7419.79	1	-4.22988	2.38379	3.88332	4.3345	-26.4503	-1.73124	-89.7509	7.22851
FLJ37078	0.423179	-0.0817457	-12.2331	1 down vs 2	0.738375	3290.26	26736.5	1	-3.34713	3.20571	4.84416	-3.24869	-2.90095	2.87395	184.899	-2.19864
FLJ37201	0.280884	-0.0940743	-10.6299	1 down vs 2	1.40382	400.122	1710.14	1	-2.63725	5.37189	46.5697	2.20796	-3.33897	4.79894	17.5092	-7.48937
FLJ37228	0.655416	0.506171	-1.97562	1 down vs 2	0.220254	61.7072	1680.98	1	-8.85482	3.0766	2.14003	-2.95173	-5.83387	-39.7006	3.52363	-27.1242
FLJ41352	0.747666	0.539643	-1.85308	1 down vs 2	0.1135	4.76275	251.776	1	-3.29306	8.04713	-5.38096	5.05258	3.84529	-3.51447	9.28907	8.86948
FLJ44005	0.975481	0.211611	-4.72566	1 down vs 2	0.00102639	0.121041	707.573	1	3.17369	2.62341	18.9197	-5.67245	2.29417	-3.7003	-16.54	-2.91418
FLJ45079	0.384951	0.0492052	-20.3231	1 down vs 2	0.877861	3464.61	23679.9	1	-5.64585	3.6716	-55.311	-3.2428	2.21487	-1.27662	2.3272	-175.464
FLNC	0.278812	-0.126028	-7.93473	1 down vs 2	1.41728	230.999	977.924	1	-3.45299	3.35643	2.3224	3.05582	-3.3297	2.14089	4.07409	37.3924
FMO9P	0.98912	0.970613	-1.03028	1 down vs 2	0.00020204	0.0205123	609.151	1	5.07814	-5.62256	23.563	-2.77339	8.05908	1.79978	-3.96443	2.02023
FN3K	0.569025	0.221305	-4.51864	1 down vs 2	0.362759	12635.6	208992	1	-52.0437	-3.67976	-2.47634	-6.99435	-10.9532	-513.012	2.49802	-10.4388
FNDC3B	0.00709491	-0.431951	-2.31508	1 down vs 2	16.0238	182.346	68.2781	1	-4.29235	8.43618	4.74042	-2.15316	-2.4788	2.58988	13.0871	5.58055
FNDC3B	0.00299029	-0.362599	-2.75787	1 down vs 2	23.0728	200.249	52.0742	1	-3.13136	9.65928	4.76821	-2.65253	-2.46631	2.91146	11.5386	9.04409
FOXL2	0.111348	-0.414897	-2.41024	1 down vs 2	3.48066	123.794	213.398	1	6.91618	-13.8061	-9.58725	-3.45623	3.68807	-3.93656	-4.08096	2.69682
FOXP2	0.464759	-0.0369539	-27.0608	1 down vs 2	0.609199	121085	1.19E+06	1	-29.9816	4.0668	2.47733	5.58922	-2.77614	3.60268	1221.51	-6.32201
FPR3	0.183389	-0.119215	-8.38822	1 down vs 2	2.26069	17038.5	45221.2	1	-17.4608	12.8832	192.389	-9.45771	-3.54313	3.60868	210.134	6.84996
FST	0.256982	0.0334241	-29.9186	1 down vs 2	1.56884	5264.38	20133.5	1	-2.17505	177.224	2.68101	3.52839	4.14356	8.96793	40.6659	44.56
FXYD5	0.187129	-0.141945	-7.04497	1 down vs 2	2.21634	373.406	1010.87	1	2.50892	8.11253	5.709	-3.66119	-4.11017	3.7253	4.0091	40.2336
GAB3	0.271931	-0.521475	-1.91764	1 down vs 2	1.46309	9881.41	40522.8	1	-4.91275	221.966	2.73934	-3.74059	-65.9913	1.30844	3.71279	8.84252
GALNT9	0.325078	-0.560355	-1.78458	1 down vs 2	1.14844	2374.43	12405.2	1	-20.8348	-12.701	119.866	-2.02004	-15.4841	-1.53381	15.4038	-7.00339

Gene ID	p-value (1 vs. 2)	MeanRatio (1 vs. 2)	FoldChange (1 vs. 2)	FoldChange (1 vs. 2)	F(Gene Group)	SS(Gene Group)	SS(Error)	F(Error)	FoldChange (106 vs. n)	FoldChange (111 vs. n)	FoldChange (112 vs. n)	FoldChange (121 vs. n)	FoldChange (347 vs. n)	FoldChange (353 vs. n)	FoldChange (537 vs. n)	FoldChange (563 vs. n)
GALR1	0.335762	-0.0073195	-136.622	1 down vs 2	1.09459	17649.1	96743.5	1	3.4706	85.9658	6.80604	-2.051	-3.53452	13.0132	7.7777	368.012
GAP43	0.0196149	-0.784402	-1.27486	1 down vs 2	9.9729	462.394	278.19	1	-4.9467	3.52311	5.60541	-5.71894	-10.044	1.63352	21.6883	11.5527
GAPT	0.136157	-0.533653	-1.87388	1 down vs 2	2.95964	957.872	1941.87	1	6.64149	-2.93384	38.571	-21.0873	-9.14845	1.40894	33.672	2.96977
GAS1	0.103354	-0.661402	-1.51194	1 down vs 2	3.68403	281.715	458.815	1	-6.14096	9.44337	4.64765	-4.51862	-3.97959	1.27302	24.6259	-3.10068
GAS1	0.016479	-0.772004	-1.29533	1 down vs 2	10.8671	312.458	172.516	1	-8.00784	12.5729	3.96646	-3.12093	-5.74342	1.97657	15.5812	2.32794
GBA3	0.437591	0.156977	-6.37036	1 down vs 2	0.691181	47.0719	408.621	1	-6.18131	11.0078	2.20602	6.09932	2.88096	-4.36356	2.02673	18.8404
GCNT2	0.273327	-0.237898	-4.20348	1 down vs 2	1.45366	300.992	1242.35	1	-6.12282	39.6903	4.32109	6.87991	-8.06181	-1.49883	3.91538	4.74752
GDF9	0.0393575	-0.191993	-5.20853	1 down vs 2	6.88709	56.684	49.3829	1	-3.56249	5.49652	3.02601	3.02853	-2.12286	3.06674	8.66532	2.80896
GEM	0.140029	-0.0679935	-14.7073	1 down vs 2	2.89018	944.683	1961.16	1	-2.04067	11.0055	7.02577	2.25694	-4.50336	2.9447	27.3926	56.7172
GEMIN6	0.00256561	-0.993128	-1.00692	1 down vs 2	24.5499	108.685	26.5626	1	-5.24056	4.86499	2.05785	-2.09712	-4.04318	1.29201	7.12707	3.75743
GFRA1	0.505228	-0.0328918	-30.4027	1 down vs 2	0.501942	16.3122	194.989	1	-4.64427	4.10506	2.17005	-2.56416	6.92665	1.1767	10.9438	-4.1175
GGT1	0.0183105	-0.943314	-1.06009	1 down vs 2	10.3198	123.678	71.9071	1	-5.74185	5.83537	8.72037	-3.52177	-2.56354	-2.04163	5.69564	2.68672
GH1	0.390045	-0.139168	-7.18558	1 down vs 2	0.857967	4296.79	30048.6	1	-3.50804	196.215	3.20539	-11.5207	-2.51586	1.51127	16.3036	-7.12181
GIYD1	0.366841	0.109083	-9.16732	1 down vs 2	0.952218	238.483	1502.7	1	-5.81155	-43.7106	-3.29742	-2.94335	4.61233	-1.01756	2.53561	-17.8038
GLB1	0.000881566	-0.591452	-1.69075	1 down vs 2	37.253	121.407	19.5539	1	-2.61333	4.39131	4.0712	-2.49487	-3.86336	3.12787	8.69889	4.99189
GLB1	0.00129525	-0.455831	-2.19379	1 down vs 2	32.1474	142.938	26.678	1	-2.1341	6.47528	3.65119	-2.62775	-3.43955	3.67676	9.8119	6.37183
GLB1L2	0.486833	0.0224595	-44.5246	1 down vs 2	0.548653	3.86E+06	4.22E+07	1	-3.6667	70.8624	-21.1208	109.841	-7.30742	8.79211	7275.88	2.26643
GLCCI1	0.367198	-0.122429	-8.16801	1 down vs 2	0.950696	2507.41	15824.7	1	-11.8932	141.047	3.93671	4.16479	-4.23784	3.25388	29.4126	-14.7494
GLIPR1	0.0974003	-0.218183	-4.58332	1 down vs 2	3.85015	2416.69	3766.12	1	-4.50149	33.1184	80.7716	-10.7118	-4.077	4.91422	18.0613	10.4904
GNS	0.00503397	-0.625024	-1.59994	1 down vs 2	18.5815	105.335	34.013	1	-2.16202	3.90582	2.80961	-2.5731	-3.91346	1.7155	5.64517	8.98588
GPNMB	0.0573963	-0.112597	-8.88123	1 down vs 2	5.50222	1585.78	1729.24	1	-2.01992	8.84348	29.4558	-3.69535	-3.11412	6.32796	58.1056	27.9603
GPR103	0.482971	-0.0016561	-603.816	1 down vs 2	0.55888	346207	3.72E+06	1	-2.65731	2.34771	2153.33	2.5799	-2.05399	2.3316	-3.80595	-9.24751
GPR125	0.0124604	-0.301644	-3.31517	1 down vs 2	12.4174	56.6991	27.3965	1	-2.54142	2.82811	3.56461	2.58649	-3.86813	5.39873	4.62587	4.70616
GPR144	0.44953	-0.0075481	-132.484	1 down vs 2	0.654076	1256.76	11528.6	1	3.22639	-4.16739	-120.93	2.30079	-4.94532	-10.8902	4.67099	2.83815
GPR19	0.0941184	-0.597104	-1.67475	1 down vs 2	3.94781	233.791	355.323	1	-11.5642	14.03	4.96817	2.43145	-3.39148	4.25242	15.6706	-3.96293
GPR32	0.538497	-0.0832872	-12.0066	1 down vs 2	0.425241	3620.15	51079.2	1	-2.4864	-2.00387	-241.439	3.36187	9.25942	2.5723	8.8121	29.2485
GPR65	0.0545828	-0.921807	-1.08483	1 down vs 2	5.67623	973.719	1029.26	1	-2.01443	5.0705	23.2457	-24.7794	-5.99814	-1.31146	2.95617	29.3284
GPR81	0.135383	-0.198086	-5.04831	1 down vs 2	2.97385	7829.21	15796.1	1	-46.7981	23.5356	-4.08152	33.274	-18.5272	78.0904	138.79	33.3402
GPRIN2	0.545049	-0.181841	-5.4993	1 down vs 2	0.411226	8.56001	124.895	1	-2.44235	-2.40153	3.4238	-2.56815	4.02424	-4.29567	5.42853	6.88443
GPX3	0.0524921	0.11041	-9.05711	1 down vs 2	5.81361	150.907	155.745	1	4.42862	6.92111	10.7857	4.40347	-5.49171	6.08887	8.67829	17.9497
GRIK2	0.164692	-0.736031	-1.35864	1 down vs 2	2.50334	615.676	1475.65	1	-24.7518	13.917	2.2231	3.72304	-2.01935	1.29786	36.9046	-2.15248
GSTM5	0.961587	0.950531	-1.05204	1 down vs 2	0.00252073	7.84989	18684.8	1	-45.5959	-32.2499	-2.92902	-16.1439	-56.2074	-8.42252	-4.34083	-158.867
GZMK	0.314118	0.10254	-9.75226	1 down vs 2	1.2066	95.6345	475.556	1	3.76623	22.3605	3.77702	-7.88753	6.56928	7.50527	9.59826	-3.45217
H1F0	0.0331511	-0.33614	-2.97495	1 down vs 2	7.58009	56.4517	44.6842	1	-3.89245	3.7236	2.10507	2.54721	-2.79597	1.76842	6.76058	6.17549
HCN3	0.164168	-0.18814	-5.31519	1 down vs 2	2.5107	168.537	402.766	1	-5.55803	6.08143	2.80815	4.70636	-3.65216	2.13844	24.3177	4.55211
HECTD2	0.0530122	-0.783591	-1.27618	1 down vs 2	5.77875	538.848	559.478	1	-9.4141	25.7025	6.90187	-8.9701	-3.95913	3.12874	16.026	-4.23575
HERC2P4	0.390793	0.00820571	-121.866	1 down vs 2	0.855083	21277.9	149304	1	-3.34998	441.663	107.216	8.43486	-2.44077	1.26826	-17.7919	4.69112
HES4	0.0399357	-0.111466	-8.97135	1 down vs 2	6.83007	171.468	150.629	1	-2.6542	12.8325	3.04441	2.35347	-2.57639	7.69877	16.1273	3.31645
HEXB	0.000816949	-0.688548	-1.45233	1 down vs 2	38.3432	157.748	24.6846	1	-3.46284	7.70858	4.56302	-2.72477	-5.03316	1.81862	6.04698	7.02327
HGF	0.16063	-0.0337211	-29.655	1 down vs 2	2.56124	1797.1	4209.91	1	-2.7522	5.49363	4.32804	2.48728	-2.76482	43.4768	15.9264	80.52
HGF	0.164076	0.0776004	-12.8865	1 down vs 2	2.51199	100.289	239.544	1	6.17808	6.44366	13.7131	-7.83774	3.50549	-1.11697	10.4397	10.1644
HIGD2B	0.0743404	-0.610062	-1.63918	1 down vs 2	4.65449	403.875	520.627	1	12.8909	5.12045	-21.7338	-2.3775	6.16965	-6.3607	-14.8001	-7.80334
HIST1H2BF	0.484837	0.10468	-9.55297	1 down vs 2	0.55392	8886.88	96261.7	1	-10.2044	14.3652	353.106	29.1766	5.17566	2.69682	11.5086	2.79619
HIST1H2BG	0.337712	0.0613155	-16.3091	1 down vs 2	1.08505	1118.83	6186.8	1	-4.0621	17.2793	93.9441	11.059	-2.21	-1.12224	17.4634	2.55199
HK2	0.270124	-0.0345519	-28.942	1 down vs 2	1.47541	1924.93	7828.03	1	-3.08902	33.7866	5.58857	3.38778	-3.50907	1.15776	7.73772	106.584
HLA-DMA	0.150151	-0.150436	-6.64734	1 down vs 2	2.72066	216.988	478.533	1	2.17626	8.37316	6.47243	-4.03092	-2.36549	1.55716	2.52595	27.8259
HLA-DPB1	0.278052	-0.042856	-23.3339	1 down vs 2	1.42225	1011.63	4267.74	1	3.34396	9.2241	10.8631	-2.78422	-3.42339	4.72738	6.20042	80.3521
HLA-DRB4	0.225254	-0.0258608	-38.6685	1 down vs 2	1.82664	98260.1	322758	1	-3.34442	39.5248	12.7559	-10.9339	-3.03433	3.94912	463.957	595.57
HLA-DRB6	0.197558	-0.31604	-3.16416	1 down vs 2	2.09908	74.3911	212.639	1	2.91495	13.962	9.28034	-4.33911	-3.11373	1.33961	2.31587	-2.96682
HLA-F	0.00139894	-0.801838	-1.24714	1 down vs 2	31.202	72.666	13.9733	1	-2.24982	3.34021	2.86591	-3.22984	-2.83141	1.16834	3.64135	6.25924
HMOX1	0.0620136	-0.666781	-1.49974	1 down vs 2	5.24035	96.8998	110.947	1	2.03695	7.3571	3.83976	-7.61224	-3.05225	-2.27239	7.62987	5.0108
HNRPM	0.374289	-0.304047	-3.28896	1 down vs 2	0.920931	21787.6	141949	1	-79.95	414.086	-2.05981	-3.01404	7.56375	-3.16876	7.72804	-3.27099

Gene ID	p-value (1 vs. 2)	MeanRatio (1 vs. 2)	FoldChange (1 vs. 2)	FoldChange (1 vs. 2)	F(Gene Group)	SS(Gene Group)	SS(Error)	F(Error)	FoldChange (106 vs. n)	FoldChange (111 vs. n)	FoldChange (112 vs. n)	FoldChange (121 vs. n)	FoldChange (347 vs. n)	FoldChange (353 vs. n)	FoldChange (537 vs. n)	FoldChange (563 vs. n)
HOPX	0.200494	-0.777887	-1.28553	1 down vs 2	2.06765	8591.23	24930.4	1	-3.34413	-12.2326	10.1456	-74.6684	-10.8381	163.334	44.1508	-15.0303
HOXB3	0.528379	0.46328	-2.15852	1 down vs 2	0.447567	103.243	1384.06	1	-8.766	26.9883	-2.7826	2.41678	25.5645	1.90467	27.0606	15.9567
HPGDS	0.174788	-0.721051	-1.38686	1 down vs 2	2.36774	1774.22	4495.99	1	4.23394	2.71659	-2.73562	-2.95264	-39.9444	15.83	68.3903	5.16619
HRH1	0.0175086	-0.618486	-1.61685	1 down vs 2	10.55	216.282	123.004	1	-2.54316	3.77231	4.40518	-3.68603	-6.08348	2.15206	15.7449	7.10513
13377	0.203983	-0.513325	-1.94808	1 down vs 2	2.03116	278.612	823.015	1	-13.1236	10.1192	2.35175	3.29472	-2.57566	13.9051	24.43	-10.5309
13663	0.0503527	-0.401615	-2.48994	1 down vs 2	5.96208	176.26	177.381	1	-2.28949	2.85595	2.47367	-3.32711	-2.71788	1.7153	16.9004	10.642
13704	0.283781	0.121041	-8.26164	1 down vs 2	1.38525	25.0217	108.378	1	-2.12523	7.13832	4.54984	6.09234	-2.45792	-2.45633	4.46066	7.08816
13744	0.359237	0.0150588	-66.4065	1 down vs 2	0.985232	801.14	4878.89	1	-2.09026	7.5108	-2.48083	6.43644	-3.39808	10.1112	7.29334	82.4988
13853	0.016121	-0.294562	-3.39487	1 down vs 2	10.9837	264.221	144.334	1	-3.38756	11.2415	3.13277	-2.34338	-2.37228	4.8943	18.3228	8.25763
13860	0.895728	0.808202	-1.23731	1 down vs 2	0.018691	0.448544	143.987	1	-5.95	-3.04755	-9.70693	2.13795	-2.37096	-1.75014	5.09231	-3.33823
14134	0.378878	-0.190055	-5.26162	1 down vs 2	0.902152	1283.93	8539.11	1	-2.78087	5.25536	-4.07378	-4.57853	-5.17791	1.70552	104.4	2.6572
14135	0.187761	-0.306644	-3.26111	1 down vs 2	2.20898	1807.96	4910.75	1	-2.47261	85.0618	9.10621	-3.22257	-16.1669	1.90569	15.5702	7.18067
14167	0.454901	0.0356124	-28.0801	1 down vs 2	0.637944	21.3516	200.816	1	-2.15117	3.68601	2.37898	6.30083	-3.77582	-4.65834	3.97501	12.1141
14217	0.103663	-0.530078	-1.88652	1 down vs 2	3.6758	96.0334	156.755	1	-4.91323	7.94978	2.02337	2.26264	-4.78744	-1.34802	2.16807	12.5934
14248	0.165145	-0.320571	-3.11944	1 down vs 2	2.49701	199.687	479.822	1	-8.74033	3.39572	2.5451	5.09223	-3.86739	22.2617	12.9865	-2.11553
14286	0.536971	0.133499	-7.49071	1 down vs 2	0.428555	73492.2	1.03E+06	1	-15.964	-13.8868	7.64863	-3.41673	-72.1252	-1134.43	5.75093	-7.48956
14307	0.70928	0.372027	-2.68798	1 down vs 2	0.152907	412.861	16200.4	1	-2.34924	13.7447	-4.78031	-2.82964	-21.1939	2.35123	6.55428	-136.019
14479	0.0411544	-0.376472	-2.65624	1 down vs 2	6.71348	93.1099	83.2145	1	-4.08372	7.27932	2.26692	2.08368	-3.78204	2.35581	10.8865	2.80908
14525	0.517952	-0.253717	-3.94141	1 down vs 2	0.471474	103.342	1315.14	1	4.59355	2.43323	-3.95988	4.03281	-4.11914	-37.0724	6.30088	2.6902
14735	0.361434	-0.95108	-1.05144	1 down vs 2	0.975581	951.638	5852.75	1	-30.2814	2.2462	2.31668	61.0349	2.19218	-40.7226	-23.6847	2.11061
14926	0.404989	-0.108488	-9.21758	1 down vs 2	0.802	5469.7	40920.4	1	-5.61798	229.625	3.53689	-3.39494	-6.8453	1.19148	5.0372	4.23345
15135	0.400459	-0.161944	-6.17498	1 down vs 2	0.818597	9559.18	70065	1	-7.95969	297.799	3.8546	-15.9789	-5.91593	-8.34859	10.3735	3.5733
15257	0.486073	-0.103617	-9.65095	1 down vs 2	0.550653	4000.09	43585.6	1	-12.8675	5.26543	-17.642	2.06093	-2.20313	227.39	6.16602	-11.9196
15283	0.546745	0.156097	-6.40629	1 down vs 2	0.407653	365.097	5373.64	1	10.0013	2.17802	-12.3615	2.93436	-5.19238	1.13318	12.2523	79.4742
15300	0.169743	-0.615528	-1.62462	1 down vs 2	2.43408	46.9515	115.736	1	4.04628	7.88368	2.26357	-7.22481	-2.54124	-1.76964	2.15811	4.95172
15347	0.613811	-0.289475	-3.45453	1 down vs 2	0.283071	78.0488	1654.33	1	-14.6958	4.70704	33.064	6.36464	3.98604	-13.871	10.6834	-9.56618
15398	0.0400911	-0.56139	-1.78129	1 down vs 2	6.81495	3016.2	2655.52	1	-21.3837	20.745	11.5482	-2.39776	-19.4803	37.3648	61.3952	-2.61682
15399	0.579306	0.388483	-2.57412	1 down vs 2	0.343265	29.9516	523.53	1	3.99309	9.38826	-7.88523	7.39604	-3.77196	1.61151	8.39342	21.1712
15404	0.380674	-0.146346	-6.83313	1 down vs 2	0.894903	1547.83	10377.6	1	-3.99187	2.30638	114.975	-4.62149	-2.39055	1.27766	14.932	-8.1724
15550	0.367935	-0.446711	-2.23858	1 down vs 2	0.947561	232.209	1470.36	1	-2.27601	41.6836	-2.05131	-5.51126	-2.52146	-1.38876	2.94167	-2.7236
15653	0.357714	-0.156847	-6.37566	1 down vs 2	0.991984	6634.19	40126.8	1	-15.1908	7.06256	12.2631	-6.13128	-2.87226	4.8298	230.291	2.64496
15707	0.380311	0.02014	-49.6524	1 down vs 2	0.896364	7785.76	52115.6	1	-11.8968	53.6481	2.05214	6.52648	9.34376	1.10711	265.611	6.39983
15727	0.241073	-0.545486	-1.83323	1 down vs 2	1.69188	368.68	1307.47	1	-4.34054	-5.247	34.3054	2.51628	-13.0236	-1.13235	19.6752	-2.23537
15748	0.64606	0.304639	-3.28257	1 down vs 2	0.233511	696.808	17904.3	1	9.62644	-3.12608	8.21234	-6.60887	-28.3544	-144.642	3.77973	-2.84072
15963	0.61667	0.151401	-6.60497	1 down vs 2	0.278426	35.413	763.14	1	-7.10469	26.6405	-2.25164	6.90516	2.52563	-4.07436	7.44988	-2.15801
15986	0.768541	0.501743	-1.99305	1 down vs 2	0.0948248	4.84328	306.456	1	-2.05225	-2.79811	9.30675	2.38489	-5.18797	-1.58633	-8.18001	-12.8705
16053	0.199968	-0.189908	-5.26572	1 down vs 2	2.07324	505.084	1461.72	1	2.85225	2.15163	10.58	7.2254	-17.936	1.6567	42.1693	12.4088
16082	0.350354	0.0691305	-14.4654	1 down vs 2	1.02525	196.232	1148.4	1	2.56195	41.0401	4.5287	2.3454	-2.62813	2.4007	3.7411	3.23907
16098	0.217904	-0.48533	-2.06045	1 down vs 2	1.89403	384.534	1218.15	1	-13.2331	3.45749	36.3639	2.02076	-2.82557	-1.00812	14.2368	-4.84265
16146	0.131268	-0.359384	-2.78254	1 down vs 2	3.05136	83.8	164.779	1	3.28326	-13.8708	-2.24025	-4.33185	6.35083	-1.25258	-3.38069	-3.84515
16149	0.268738	-0.165647	-6.03694	1 down vs 2	1.48494	774.135	3127.95	1	-4.27989	9.2973	3.52367	-13.9626	9.57996	64.9744	5.8809	3.48242
16274	0.468155	-0.0057249	-174.677	1 down vs 2	0.599547	681.85	6823.65	1	-2.32274	-30.548	45.8885	4.34171	-2.34462	2.60349	74.4308	2.43092
16281	0.256807	-0.178246	-5.61021	1 down vs 2	1.57013	374.308	1430.35	1	-6.61489	2.12347	5.82963	-2.39507	2.59757	-1.98352	9.57291	44.4156
16305	0.260932	0.116129	-8.61114	1 down vs 2	1.54002	69.9958	272.707	1	2.50123	5.73863	19.3716	-3.6934	3.60045	-1.41502	3.04107	7.82711
16364	0.208213	-0.111812	-8.94358	1 down vs 2	1.98809	463.779	1399.67	1	-3.96936	7.87167	3.98887	2.81673	-3.59234	6.52132	47.1566	5.18993
16536	0.985815	0.951296	-1.0512	1 down vs 2	0.00034346	0.0141875	247.846	1	-2.01679	-5.57448	12.9585	2.1618	4.95206	2.24564	-4.52749	3.82788
16549	0.447169	0.0533699	-18.7372	1 down vs 2	0.661278	1209.72	10976.2	1	2.42935	119.989	-2.11914	4.80723	-2.94044	2.85034	11.4262	2.01609
16570	0.00099654	-0.857175	-1.16662	1 down vs 2	35.5545	85.633	14.451	1	-3.05392	2.53453	2.87051	-2.84767	-3.45587	1.68721	4.73626	6.36586
16583	0.0735202	-0.871535	-1.1474	1 down vs 2	4.68925	185.255	237.038	1	-11.2995	7.6229	6.45677	-8.23644	5.64945	-2.29106	8.03262	6.73439
16611	0.0086695	-0.572451	-1.74687	1 down vs 2	14.6611	118.929	48.6712	1	-2.8658	3.34962	2.94423	-2.84755	-2.98476	1.55714	7.74826	9.72493
IBSP	0.104391	-0.461732	-2.16576	1 down vs 2	3.65645	471.892	774.345	1	-4.18196	2.98777	17.6722	-7.58495	-3.26674	-4.0912	6.51041	31.1862
IDH1	0.0114068	-0.614774	-1.62661	1 down vs 2	12.9388	115.615	53.6132	1	-3.69535	10.2234	2.59724	-3.00257	-2.27081	1.43663	6.89083	3.16635

Gene ID	p-value (1 vs. 2)	MeanRatio (1 vs. 2)	FoldChange (1 vs. 2)	FoldChange (1 vs. 2)	F(Gene Group)	SS(Gene Group)	SS(Error)	F(Error)	FoldChange (106 vs. n)	FoldChange (111 vs. n)	FoldChange (112 vs. n)	FoldChange (121 vs. n)	FoldChange (347 vs. n)	FoldChange (353 vs. n)	FoldChange (537 vs. n)	FoldChange (563 vs. n)
IER3	0.0827506	-0.701591	-1.42533	1 down vs 2	4.32583	124.242	172.326	1	-2.01458	2.4849	4.19611	-4.43898	-3.61538	-1.48562	2.942	15.7819
IER3IP1	0.0160366	-0.89285	-1.12001	1 down vs 2	11.0117	267.551	145.782	1	-10.2556	15.3753	2.62036	-3.1225	-3.52577	2.18395	5.48981	5.88474
IGDCC4	0.127214	-0.532364	-1.87841	1 down vs 2	3.1311	692.633	1327.27	1	-14.0574	4.15401	2.25825	-3.37325	-2.60112	2.49815	10.2297	43.5731
IGFL4	0.432791	0.448493	-2.22969	1 down vs 2	0.706598	24.7726	210.354	1	-9.50936	-2.51489	-5.39705	4.06571	-3.42405	-1.29949	-14.707	-9.03528
IGJ	0.107714	-0.580709	-1.72203	1 down vs 2	3.57053	240.186	403.614	1	-6.48762	21.1188	3.90278	5.22635	-11.2126	1.02837	6.72744	3.02329
IGLL3	0.0394785	-0.638508	-1.56615	1 down vs 2	6.87506	34.5283	30.1335	1	-3.67281	2.89822	3.54409	2.53423	-3.87821	1.05741	3.05688	2.53849
IGSF1	0.682013	0.234937	-4.25647	1 down vs 2	0.185146	3.33233	107.99	1	4.75985	-5.79138	-3.21092	-2.16349	-3.8245	-2.70564	-2.11161	5.10699
IIP45	0.757224	0.770737	-1.29746	1 down vs 2	0.104716	5.73585	328.653	1	-2.0966	2.45416	8.72843	17.226	2.51031	5.22088	16.7925	4.94872
IKBIP	0.354946	-0.0963479	-10.3791	1 down vs 2	1.00436	1165.31	6961.47	1	-6.384	97.0623	7.30401	-2.32776	2.1392	1.75283	5.23999	2.33581
IL1RAPL2	0.397295	-0.16644	-6.00816	1 down vs 2	0.830377	2035.18	14705.5	1	-7.39828	2.04102	3.7107	-3.80627	-2.89866	-3.1586	136.568	2.06285
IMMP2L	0.000864448	-0.410842	-2.43403	1 down vs 2	37.5312	134.676	21.5302	1	-2.78655	6.68775	5.14246	-2.30648	-2.31089	3.68585	4.84721	9.67228
INPP5E	0.012248	-0.852785	-1.17263	1 down vs 2	12.5177	177.838	85.2418	1	-4.05101	8.70298	2.48737	-3.33108	-6.06559	1.37607	11.4125	2.30298
INSR	0.0203869	-0.978539	-1.02193	1 down vs 2	9.78185	731.227	448.52	1	-3.25682	13.2978	2.31009	-21.0112	-5.03282	3.10746	21.8067	9.38373
IQGAP3	0.475118	0.116897	-8.55456	1 down vs 2	0.580147	963.62	9965.95	1	2.5567	5.41065	4.71152	9.37299	-2.92717	1.32591	114.57	2.33629
IRF7	0.470197	-0.0155018	-64.5085	1 down vs 2	0.593805	28937.4	292393	1	-2.75772	-2.3259	605.8	4.29195	-7.22345	-1.2139	12.0861	-2.6749
ISM2	0.152253	-0.0848507	-11.7854	1 down vs 2	2.68746	76.6679	171.168	1	-7.0418	4.70409	7.76009	3.06948	2.4719	-1.45751	12.8078	5.6573
ITGA3	0.259858	-0.409241	-2.44355	1 down vs 2	1.54779	546.83	2119.78	1	-7.78769	2.48958	3.16523	-4.72361	-2.36655	-1.30388	53.0185	3.22186
ITGB1	0.0129183	-0.978172	-1.02231	1 down vs 2	12.2089	85.6647	42.0993	1	-4.73973	3.49395	3.84563	-2.6174	-2.66991	-1.23273	7.58339	3.39441
ITGB1	0.0125926	-0.698609	-1.43141	1 down vs 2	12.3562	97.0087	47.1062	1	-3.4805	4.23192	3.57705	-2.79436	-2.60011	-1.08556	7.05209	7.39744
ITIH1	0.275638	-0.0154001	-64.9346	1 down vs 2	1.4382	1187.81	4955.42	1	2.79166	3.12257	28.2783	2.05506	-5.99192	1.30277	6.84189	84.3929
ITK	0.363068	-0.114354	-8.74475	1 down vs 2	0.968464	9701.73	60105.9	1	-2.95578	2.66189	281.337	-14.7127	-4.47646	-4.59918	2.44741	40.9061
JPH2	0.899122	0.82813	-1.20754	1 down vs 2	0.0174858	10.28	3527.42	1	2.73195	60.0196	5.89539	33.4685	-2.35382	-5.57692	2.20362	5.57689
KANK1	0.935463	0.822461	-1.21586	1 down vs 2	0.00712808	5.87553	4945.68	1	-7.11327	2.25181	-72.6574	-7.5505	-9.93797	9.77454	4.9693	5.80784
KCNA10	0.616929	0.454444	-2.20049	1 down vs 2	0.278006	19.4252	419.238	1	4.39788	2.40419	18.6594	7.20721	-3.56161	-1.53851	-2.91264	12.8869
KCNC2	0.189229	-0.896296	-1.1157	1 down vs 2	2.19199	4459.76	12207.4	1	-6.93048	2.21029	14.5915	-58.9783	-3.24595	5.24102	115.122	-8.57128
KCNH4	0.32757	-0.847208	-1.18035	1 down vs 2	1.13563	39873.1	210665	1	-163.375	2.2174	-16.6308	-9.77241	-27.5005	-1.70776	472.838	-61.9928
KCNH5	0.511248	-0.0417715	-23.9397	1 down vs 2	0.487347	50404	620552	1	-9.69873	12.748	-84.0738	-4.21846	-5.80527	2.09074	858.57	-2.41732
KCNH7	0.411547	-0.971668	-1.02916	1 down vs 2	0.778514	325.997	2512.46	1	-40.5836	4.52842	-4.17522	12.5491	8.54002	18.4653	23.114	-8.49432
KCNIP3	0.800972	0.603274	-1.65762	1 down vs 2	0.0694388	6.94095	599.747	1	-5.19763	-25.0026	-4.26025	2.28624	-5.86578	2.93507	4.38028	-2.3012
KCNQ2	0.049061	-0.322288	-3.10281	1 down vs 2	6.05592	158.27	156.809	1	-7.14949	7.02079	2.38429	3.15303	-2.72152	5.47935	15.5245	4.3321
KCTD9	0.00474539	-0.662378	-1.50971	1 down vs 2	19.052	172.08	54.1926	1	-4.23412	4.8989	3.3598	-2.28187	-4.93549	1.66724	9.36295	9.52519
KIAA1843	0.178443	-0.153009	-6.53555	1 down vs 2	2.32136	1501.08	3879.82	1	-10.8345	33.1486	17.9251	2.2074	-2.63727	4.29778	73.0259	-5.69922
KIF20A	0.0840651	-0.203567	-4.91239	1 down vs 2	4.27857	9413.46	13200.8	1	-48.9276	58.7927	7.88708	9.24168	3.73315	112.712	110.569	4.39577
KIF27	0.204352	0.0253955	-39.377	1 down vs 2	2.02735	459.493	1359.88	1	-8.31245	34.5819	4.60503	4.53625	4.99994	2.24564	36.1392	2.74021
KIF4A	0.444122	0.0197535	-50.6239	1 down vs 2	0.670668	3.00E+06	2.69E+07	1	-14.6153	530.392	27.6382	84.1214	7.00015	11.095	5908.46	-22.5165
KITLG	0.319179	-0.331138	-3.01989	1 down vs 2	1.17936	2293.57	11668.6	1	-17.2169	13.1276	3.65181	-2.27981	-6.60466	2.79277	121.318	-9.51826
KLF11	0.027206	-0.410109	-2.43837	1 down vs 2	8.43097	92.9617	66.1573	1	-4.21526	5.16567	7.3968	2.21865	-4.14694	1.21429	8.59839	2.59198
KLF11	0.028284	-0.254361	-3.93142	1 down vs 2	8.25906	113.861	82.7172	1	-3.39715	6.5839	8.39574	2.34552	-3.689	1.14269	11.0608	3.87923
KLHDC8A	0.050563	-0.499621	-2.00152	1 down vs 2	5.94711	2321.36	2342	1	-25.7904	12.4995	2.70815	-6.55461	-2.82323	6.35174	48.927	46.8301
KLHL29	0.253434	-0.774944	-1.29042	1 down vs 2	1.5953	2189.79	8235.92	1	-22.4491	2.16039	4.03121	-16.5357	-5.777	5.26084	98.5378	-13.7214
KLKBL4	0.838427	0.61549	-1.62472	1 down vs 2	0.0453422	9.0876	1202.54	1	2.28904	4.91766	-2.65599	18.2038	-9.92079	-1.6132	-2.49375	30.473
KNG1	0.540202	-0.177976	-5.61873	1 down vs 2	0.42156	401.35	5712.35	1	-2.40782	-13.3872	-2.12407	-2.18523	-2.03838	5.44307	78.8982	-6.72959
KRT1	0.4615	-0.144766	-6.90772	1 down vs 2	0.61858	559.696	5428.85	1	4.89046	-2.45639	-2.29847	-7.50682	-3.93823	-3.3222	3.20439	80.3348
KRT8P9	0.264132	0.280144	-3.5696	1 down vs 2	1.51715	172.76	683.228	1	10.4432	13.0701	3.55774	-4.51864	5.28211	33.6057	6.12105	10.3176
KRTAP4-7	0.290371	-0.185368	-5.39466	1 down vs 2	1.34404	1083	4834.67	1	4.84333	-78.61	-25.0677	-2.38102	8.8127	2.47526	2.31776	-2.49008
KRTCAP3	0.401874	0.28832	-3.46837	1 down vs 2	0.813382	42.5852	314.135	1	-2.80736	2.79105	2.33175	-3.75999	12.3595	15.7833	10.3706	2.2055
LAMB1	0.286138	-0.0809833	-12.3482	1 down vs 2	1.37034	5171.41	22642.8	1	-4.47936	5.81863	15.62	-4.68382	-2.64007	1.7258	39.1089	180.642
LAMB1	0.122813	-0.476878	-2.09697	1 down vs 2	3.22174	1749.19	3257.6	1	-22.1578	19.72	8.21724	-4.60533	-2.82393	2.7263	68.451	4.29094
LAMC1	0.0125462	-0.23789	-4.20362	1 down vs 2	12.3776	372.899	180.761	1	-3.34895	13.2005	3.33275	-2.2463	-2.53513	5.44565	18.5212	16.4616
LAX1	0.222262	-0.50574	-1.9773	1 down vs 2	1.85368	1040.5	3367.88	1	3.95344	51.8906	-3.20956	2.02749	-29.7175	-7.88629	4.37909	33.0501
LEFTY2	0.391676	0.0318909	-31.3569	1 down vs 2	0.851687	40010.5	281868	1	-4.91491	39.1021	74.3143	21.6002	-2.24919	3.22582	622.894	14.9168
LGALS2	0.032542	-0.643625	-1.5537	1 down vs 2	7.65749	1101.47	863.055	1	-4.93127	24.7701	8.24286	2.56619	-26.1082	11.2503	26.2616	3.20674

Gene ID	p-value (1 vs. 2)	MeanRatio (1 vs. 2)	FoldChange (1 vs. 2)	FoldChange (1 vs. 2)	F(Gene Group)	SS(Gene Group)	SS(Error)	F(Error)	FoldChange (106 vs. n)	FoldChange (111 vs. n)	FoldChange (112 vs. n)	FoldChange (121 vs. n)	FoldChange (347 vs. n)	FoldChange (353 vs. n)	FoldChange (537 vs. n)	FoldChange (563 vs. n)
LGALS8	0.00211233	-0.98831	-1.01183	1 down vs 2	26.5371	118.941	26.8924	1	-6.62176	3.08775	4.01831	-2.12368	-3.13125	1.21339	5.48582	6.22335
LGALS9C	0.850531	-0.103311	-9.67953	1 down vs 2	0.038704	1.55695	241.363	1	2.15757	-3.1502	-4.69577	2.46744	-4.36903	-6.04601	11.9091	-2.14673
LIMS1	0.0364888	-0.640978	-1.56012	1 down vs 2	7.18762	156.25	130.433	1	-2.96575	3.87651	2.61048	-3.50548	-4.226	1.39477	4.40261	15.5305
LOC100009967	0.0329939	-0.65524	-1.52616	1 down vs 2	7.59988	119.861	94.6286	1	-3.34688	10.8958	2.23097	-3.06611	-3.0821	-1.20881	8.48865	3.74507
LOC100128170	0.349359	-0.412296	-2.42544	1 down vs 2	1.02983	154.384	899.477	1	-9.08939	-2.77658	31.338	4.52462	-3.38228	2.45872	3.37826	-2.27323
LOC100128200	0.431529	-0.184269	-5.42686	1 down vs 2	0.710698	2783.53	23499.7	1	-10.6675	6.72393	169.243	-4.95659	-2.36131	-6.74515	-2.64125	-3.90686
LOC100128510	0.376745	-0.114086	-8.76531	1 down vs 2	0.910835	2398.38	15799	1	-2.96334	144.358	4.7606	-3.06692	-4.9571	-1.36535	4.93783	7.82157
LOC100128820	0.771033	0.531755	-1.88056	1 down vs 2	0.0927195	15.7742	1020.77	1	-14.5338	4.83904	2.75649	27.409	-2.99345	1.43848	11.0256	10.9125
LOC100128890	0.167819	-0.505249	-1.97922	1 down vs 2	2.4601	2244.19	5473.4	1	-2.69365	15.9412	7.39269	-28.6249	-3.51898	3.58104	85.7527	2.25104
LOC100128890	0.0124295	-0.400511	-2.49681	1 down vs 2	12.4319	338.878	163.553	1	-2.11246	16.7684	15.3251	-4.16616	-5.25512	2.20942	8.34858	5.34444
LOC100129340	0.259642	-0.674819	-1.48188	1 down vs 2	1.54936	153.026	592.603	1	-4.66848	3.3517	3.48564	-3.51457	-2.73696	-3.20101	26.3354	-3.00152
LOC100129530	0.025746	-0.726212	-1.37701	1 down vs 2	8.67897	82.5116	57.0425	1	-3.93729	7.04197	2.35458	2.2032	-6.63826	2.15601	4.41844	3.24367
LOC100129780	0.463752	-0.546348	-1.83033	1 down vs 2	0.612083	36.0917	353.792	1	-5.8826	15.0333	-3.74261	-3.5846	4.81684	-2.57117	-3.14177	8.60844
LOC100130110	0.813516	0.519256	-1.92583	1 down vs 2	0.0607596	7.78321	768.591	1	2.46635	-25.3836	-3.55535	-11.9667	2.89847	6.51819	-2.12574	3.35631
LOC100130180	0.245578	-0.47457	-2.10717	1 down vs 2	1.65585	62.1467	225.189	1	2.03572	2.03012	-2.65804	-2.27169	-5.32262	1.41343	15.9013	2.83467
LOC100130260	0.121613	-0.769172	-1.3001	1 down vs 2	3.24725	493.393	911.65	1	-8.77261	-4.75497	2.68429	-2.64229	-9.7429	-1.35041	29.9779	19.2886
LOC100130320	0.0863459	-0.962436	-1.03903	1 down vs 2	4.19894	109.915	157.061	1	-2.71165	3.88629	-2.64051	-10.6912	2.138	3.13413	6.35505	8.77258
LOC100130320	0.329548	-0.0166088	-60.2091	1 down vs 2	1.12557	81.2708	433.223	1	-2.18088	20.7113	-3.23635	-5.31201	7.17021	1.60319	10.399	2.9033
LOC100130340	0.753126	0.348688	-2.8679	1 down vs 2	0.108433	7.20906	398.904	1	-3.20912	5.21185	-7.4341	3.63542	-3.57555	2.07516	2.87672	-17.7825
LOC100130460	0.505628	0.0617915	-16.1835	1 down vs 2	0.500963	212.297	2542.67	1	3.37179	-2.81538	5.32966	-2.09618	-3.37804	-55.5371	2.19663	-5.88149
LOC100130790	0.0137666	-0.252267	-3.96405	1 down vs 2	11.8476	164.744	83.4316	1	-2.27747	6.38793	11.5729	2.95762	-6.34501	9.20549	7.12603	3.13396
LOC100130930	0.0364439	-0.444188	-2.2513	1 down vs 2	7.19258	209.347	174.636	1	-2.07049	11.6462	2.08353	-3.00761	-4.67173	4.08611	16.6655	2.10162
LOC100131060	0.229156	-0.710329	-1.4078	1 down vs 2	1.79214	79.9524	267.677	1	-2.45645	3.04626	-2.3062	-2.81597	-2.86368	-1.90165	2.47117	17.7804
LOC100131090	0.885057	0.585415	-1.70819	1 down vs 2	0.0227482	2.86044	754.463	1	5.42273	-16.0223	21.9317	-2.55121	2.36071	2.82712	2.13035	4.02921
LOC100131130	0.153913	-0.222737	-4.4896	1 down vs 2	2.66168	22945.9	51725	1	-93.8072	77.4153	4.96523	35.9614	-2.60926	257.981	105.63	6.37347
LOC100131190	0.475471	-0.0085599	-116.824	1 down vs 2	0.579178	178321	1.85E+06	1	-2.34151	3.35127	6.29241	-2.21919	-3.29146	3.00394	1521.42	-5.20224
LOC100131240	0.39105	-0.0682824	-14.6451	1 down vs 2	0.854091	2208.57	15515.2	1	2.00918	-10.5561	2.11918	2.0916	2.48033	-11.8534	-142.874	2.52976
LOC100131260	0.229262	-0.211915	-4.71887	1 down vs 2	1.79122	771.299	2583.6	1	-4.93368	42.058	-4.95983	-2.91163	-2.7942	-2.31962	46.6608	2.23813
LOC100131470	0.0304335	-0.457779	-2.18446	1 down vs 2	7.94121	226.347	171.017	1	-3.83346	4.06773	2.33683	-2.61696	-3.90033	2.82363	11.1352	17.3213
LOC100131690	0.735665	-0.132422	-7.55162	1 down vs 2	0.1251	722.069	34631.7	1	-6.29587	7.51234	-84.9158	-3.25327	2.66481	-1.14513	169.714	-4.51903
LOC100131720	0.451702	-0.025103	-39.8358	1 down vs 2	0.647512	63960.8	592676	1	-8.41175	36.9424	3.60768	-2.98034	-2.17655	1.23907	868.046	-8.97223
LOC100131870	0.349228	-0.776588	-1.28768	1 down vs 2	1.03044	245.768	1431.05	1	-3.61237	-2.44098	5.23669	-9.16099	-2.24034	-2.94497	-6.68225	39.053
LOC100132210	0.665873	-0.829407	-1.20568	1 down vs 2	0.206004	263.718	7680.96	1	-3.62744	53.5181	-62.0248	-9.34063	-3.16242	33.5419	2.29786	5.08063
LOC100132350	0.155741	-0.339383	-2.94653	1 down vs 2	2.63374	304.767	694.298	1	-2.59374	2.81549	9.51268	-4.1829	-2.91483	-2.26841	31.7661	5.76776
LOC100132560	0.797127	-0.72599	-1.37743	1 down vs 2	0.0722242	4.09753	340.401	1	-5.69967	2.52435	-4.06204	14.2973	-6.73222	-1.32241	3.61168	-5.03403
LOC100132760	0.281998	-0.0883506	-11.3185	1 down vs 2	1.39664	132.048	567.281	1	-8.57248	2.33451	4.5721	2.3593	4.16943	1.28771	27.0257	3.33375
LOC100132810	0.883673	0.450435	-2.22008	1 down vs 2	0.0233041	5.71343	1471.01	1	-2.53104	-4.41747	-21.4587	4.44909	2.37417	-1.11987	28.3405	14.5373
LOC100132900	0.445841	-0.0538063	-18.5852	1 down vs 2	0.665354	3098.21	27938.9	1	-4.205	5.52053	10.219	4.0545	-6.07606	-2.13665	187.39	-8.12333
LOC100132950	0.332656	-0.140469	-7.11902	1 down vs 2	1.10997	339.166	1833.38	1	-12.0431	2.56068	45.1012	14.5356	-7.46212	-1.38712	5.38028	7.30963
LOC100133000	0.193338	-0.286188	-3.49421	1 down vs 2	2.14544	1374.62	3844.3	1	-4.03541	38.6417	66.7526	-2.46857	-11.5702	-2.0842	6.3347	-4.38656
LOC100133120	0.492474	-0.336072	-2.97555	1 down vs 2	0.533982	71.5527	803.989	1	-6.52534	-3.24031	5.3353	-2.0169	3.88063	1.91084	27.3207	-8.20841
LOC100133550	0.405573	-0.391262	-2.55583	1 down vs 2	0.799884	275.555	2066.97	1	-4.8668	-10.0239	48.0585	-3.13513	-2.22591	4.21831	3.32556	-2.01076
LOC100133690	0.299357	-0.173484	-5.76423	1 down vs 2	1.29008	2198.67	10225.7	1	-9.09067	118.913	5.32869	-3.20909	-2.88759	13.5052	10.1891	-2.03036
LOC100133820	0.888207	0.562056	-1.77918	1 down vs 2	0.0215079	0.300419	83.807	1	2.63258	4.29411	-2.528	2.42592	-3.51735	-3.95243	3.77356	2.98274
LOC100133880	0.448545	0.0817167	-12.2374	1 down vs 2	0.657072	5767.95	52669.6	1	-3.48183	264.05	9.77484	7.93518	10.3536	30.9195	-4.77301	2.02623
LOC100133890	0.75166	0.716999	-1.3947	1 down vs 2	0.109781	7.4585	407.638	1	-6.3643	-10.6254	-4.55413	-6.18397	-2.61095	-21.5924	5.56123	-4.02696
LOC100133950	0.757568	-0.277862	-3.5989	1 down vs 2	0.104407	1471.67	84573.2	1	-8.32084	51.3032	78.3173	28.8988	-2.30238	3.48149	33.4669	-276.189
LOC100134050	0.242536	-0.0277661	-36.0151	1 down vs 2	1.68007	5121.1	18288.9	1	-8.08142	-20.9109	-31.3418	5.28752	7.02958	1.24868	-168.724	-34.5194
LOC100134240	0.204719	-0.407074	-2.45656	1 down vs 2	2.02357	384.39	1139.74	1	-14.3862	14.7033	-3.12332	-2.00962	3.96891	-1.65416	34.8803	6.07288
LOC283585	0.698281	-0.683959	-1.46208	1 down vs 2	0.165472	112.409	4075.93	1	7.59298	-25.5328	-23.8373	-2.73323	4.57476	-20.2213	-3.25454	49.856
LOC284276	0.459477	0.265968	-3.75986	1 down vs 2	0.624463	419.935	4034.85	1	6.05036	8.07412	6.58949	-5.14959	15.3669	75.6715	5.69674	5.90829
LOC285741	0.490121	-0.0205865	-48.5755	1 down vs 2	0.540064	1766.81	19628.9	1	-2.00969	2.11347	3.99491	-3.0307	6.89797	-155.095	2.18519	-3.58683

Gene ID	p-value (1 vs. 2)	MeanRatio (1 vs. 2)	FoldChange (1 vs. 2)	FoldChange (1 vs. 2)	F(Gene Group)	SS(Gene Group)	SS(Error)	F(Error)	FoldChange (106 vs. n)	FoldChange (111 vs. n)	FoldChange (112 vs. n)	FoldChange (121 vs. n)	FoldChange (347 vs. n)	FoldChange (353 vs. n)	FoldChange (537 vs. n)	FoldChange (563 vs. n)
LOC339047	0.71315	0.260429	-3.83982	1 down vs 2	0.148625	11.6371	469.791	1	-11.7266	-3.24603	-3.34353	-6.2458	15.3406	-6.46403	2.91688	-6.70601
LOC374443	0.254607	-0.289231	-3.45745	1 down vs 2	1.58649	999.593	3780.39	1	-5.13954	6.33384	3.96944	-2.627	-7.77329	3.80032	72.7553	2.68795
LOC387804	0.51521	0.27393	-3.65056	1 down vs 2	0.477917	156.908	1969.89	1	4.58473	5.38481	11.5242	3.69696	2.07222	-1.24232	50.8397	-3.51038
LOC387826	0.598282	0.293604	-3.40595	1 down vs 2	0.309196	53.3902	1036.05	1	-4.64809	5.39159	3.02784	15.456	-4.15419	2.39159	31.5215	-4.5621
LOC387870	0.864178	-0.267675	-3.73587	1 down vs 2	0.0318752	0.732813	137.94	1	-7.71336	-2.13884	-2.04493	3.40045	4.70893	2.53657	3.49263	-4.31123
LOC388161	0.332706	-0.117372	-8.51993	1 down vs 2	1.10971	242.256	1309.83	1	-2.07611	2.39483	39.7181	4.41058	-5.91646	-6.32741	11.7693	3.309
LOC389102	0.0603175	-0.373246	-2.6792	1 down vs 2	5.33338	319.378	359.297	1	-5.71134	3.4133	3.21629	-2.67188	-2.2587	1.46027	18.6359	20.7939
LOC389607	0.25197	0.0417726	-23.9391	1 down vs 2	1.60637	673.225	2514.58	1	-3.04814	31.5526	-3.16344	2.90143	2.62484	55.894	17.5685	-2.97793
LOC391269	0.895405	0.748501	-1.336	1 down vs 2	0.018808	17.5123	5586.65	1	-14.1493	21.3956	2.89913	65.657	-24.2212	8.67878	30.4444	-2.65978
LOC391574	0.759149	0.0364082	-27.4664	1 down vs 2	0.102995	235.984	13747.3	1	-9.42035	107.604	-3.09303	7.33924	3.35276	1.63957	3.7065	-51.6444
LOC391763	0.183053	-0.313396	-3.19085	1 down vs 2	2.26473	136.129	360.65	1	-4.55421	11.8777	-2.69823	4.99647	-6.54176	-1.71144	16.4824	8.48724
LOC399965	0.492879	-0.0598748	-16.7015	1 down vs 2	0.532942	1925.68	21679.8	1	-2.28234	5.74805	5.3045	2.67734	5.03628	-161.709	2.19856	-2.72646
LOC400095	0.992997	0.992039	-1.00803	1 down vs 2	8.37E-05	0.0040593	290.985	1	2.32514	-7.62552	-4.11161	-9.18479	-10.5344	-3.85997	-16.2761	2.65047
LOC400464	0.109427	-0.0621836	-16.0814	1 down vs 2	3.52765	1037.74	1765.03	1	-4.45897	31.5033	4.48971	2.7617	-2.43454	4.51649	16.5325	53.7003
LOC400891	0.40876	-0.123175	-8.1185	1 down vs 2	0.788419	618.848	4709.53	1	-2.3111	5.87642	-2.48588	5.37173	-9.03771	-1.63382	76.5759	2.54225
LOC401220	0.294385	-0.0826549	-12.0985	1 down vs 2	1.31962	429.028	1950.68	1	-12.2333	46.5598	3.94537	14.0858	-5.31701	5.52173	17.9811	-4.14905
LOC401630	0.686985	-0.520536	-1.9211	1 down vs 2	0.178992	6.61031	221.584	1	-4.29866	-11.0591	4.95036	4.09721	2.1298	1.12116	-5.1691	3.98244
LOC402269	0.536888	-0.737488	-1.35595	1 down vs 2	0.428735	151.891	2125.66	1	-2.73516	2.77727	6.22998	-5.38808	-3.33768	42.8679	-8.83724	-17.1371
LOC439936	0.142958	-0.551405	-1.81355	1 down vs 2	2.83942	200.291	423.236	1	-2.20848	3.53227	-2.33419	-6.52353	-2.28837	1.39824	6.94807	23.7656
LOC439945	0.441348	-0.0798096	-12.5298	1 down vs 2	0.679314	2361.41	20857	1	-2.69695	161.919	3.30971	-2.01885	-3.15311	1.58857	2.12309	-4.61365
LOC439957	0.335681	-0.365574	-2.73542	1 down vs 2	1.09499	6729.82	36876.2	1	-15.3967	2.8026	-2.08859	2.23968	-34.9582	213.857	-2.55114	7.33924
LOC440356	0.56101	0.201035	-4.97425	1 down vs 2	0.378482	54.6723	866.71	1	3.18142	-2.70345	5.92639	-2.48502	-4.77254	-31.6904	-3.24342	-2.08203
LOC440518	0.327504	0.0801547	-12.4759	1 down vs 2	1.13597	77.7203	410.506	1	-2.19386	6.10654	-7.84387	6.37926	-2.50233	14.4391	6.2075	16.087
LOC441131	0.0249857	-0.710867	-1.40673	1 down vs 2	8.81572	119.213	81.1369	1	-4.24492	12.2575	2.22028	-2.39779	-3.29658	1.20146	4.89748	2.72649
LOC441395	0.528164	0.323853	-3.08782	1 down vs 2	0.448052	103.145	1381.25	1	-7.77001	7.0966	37.9041	2.75296	15.6745	-2.05031	14.4648	-2.56811
LOC497190	0.196205	-0.340353	-2.93812	1 down vs 2	2.11379	11266.9	31981.2	1	-47.7882	22.6974	6.29658	-5.42223	-5.84151	5.49482	42.182	212.499
LOC504188	0.482632	-0.0044166	-226.419	1 down vs 2	0.559785	11538.7	123677	1	6.98887	-3.11568	-392.302	6.25347	-12.2075	-1.95931	2.41597	4.44882
LOC51145	0.855892	0.336853	-2.96866	1 down vs 2	0.0359389	1.47475	246.209	1	2.52204	-3.55491	-7.83157	3.76326	-4.93382	3.91784	10.3478	3.80764
LOC642073	0.334465	0.123528	-8.09534	1 down vs 2	1.10098	3808.58	20755.5	1	-2.5509	54.4692	172.985	-3.87424	25.481	2.5237	4.58007	22.5482
LOC642383	0.924707	0.544454	-1.8367	1 down vs 2	0.00971172	10.421	6438.21	1	-3.41812	-4.72168	69.681	2.72359	9.14741	-2.66918	3.53327	-39.9477
LOC642439	0.481492	-0.0072551	-137.834	1 down vs 2	0.562836	8389.81	89437.8	1	-3.30108	-2.91562	2.3228	4.80653	-2.95089	1.01599	333.808	-2.17932
LOC642675	0.869176	-0.0030546	-327.377	1 down vs 2	0.0295457	0.999438	202.961	1	-4.50616	-2.95048	2.01801	6.64925	-2.14976	8.13301	-6.84053	3.27933
LOC642716	0.878172	0.543045	-1.84147	1 down vs 2	0.0255831	0.464211	108.871	1	2.20007	2.90931	-6.22486	-4.17954	3.75342	1.24855	4.86681	2.64464
LOC642797	0.8855	0.102742	-9.7331	1 down vs 2	0.0225716	0.981654	260.943	1	-4.35349	-2.22127	-3.45668	7.84057	-3.73564	-3.89645	10.5945	-5.0522
LOC643082	0.399922	0.218536	-4.57591	1 down vs 2	0.820587	40.5741	296.671	1	2.34924	5.41871	-2.00106	-2.17626	3.72966	1.02405	5.59894	19.7229
LOC643159	0.17726	-0.234253	-4.26888	1 down vs 2	2.33622	888.75	2282.53	1	-6.36249	2.73437	47.9529	-17.6724	11.6386	1.15546	32.8765	3.47798
LOC643226	0.032385	-0.670957	-1.49041	1 down vs 2	7.67774	460.746	360.064	1	-10.8375	17.6841	20.5341	-5.97868	-2.06725	1.80421	3.7376	3.14669
LOC643311	0.113671	-0.665107	-1.50352	1 down vs 2	3.42529	10961.8	19201.6	1	-85.6841	2.8453	2.39032	-2.97598	-2.96447	131.498	88.6589	4.20593
LOC643445	0.309084	-0.683017	-1.46409	1 down vs 2	1.23439	97.0055	471.516	1	-8.66563	20.6456	2.97312	3.32452	-3.41602	1.19743	3.18199	-6.6294
LOC643700	0.150631	-0.535555	-1.86722	1 down vs 2	2.71302	315.733	698.261	1	-2.29168	7.35856	29.0362	-5.20325	-6.08255	-1.02216	11.3618	-4.48075
LOC643811	0.124438	-0.281653	-3.55047	1 down vs 2	3.18775	575.049	1082.36	1	-5.74029	22.7403	2.24708	-3.04845	-2.75687	-3.84344	10.1583	37.0183
LOC644124	0.0138275	-0.315459	-3.16998	1 down vs 2	11.8228	253.303	128.549	1	-2.93339	9.84974	7.59608	-3.30507	-2.12347	6.89403	17.6374	2.20136
LOC644196	0.440303	-0.126027	-7.93478	1 down vs 2	0.682596	1156.47	10165.3	1	3.64058	2.14937	4.35194	-9.83991	-2.13947	-2.35681	-5.43495	111.568
LOC644234	0.404351	-0.556244	-1.79777	1 down vs 2	0.80432	182.679	1362.73	1	-2.11858	-2.12074	2.06447	-2.66733	-5.79815	-4.71231	38.9721	-2.49062
LOC644335	0.526766	0.234334	-4.26742	1 down vs 2	0.451205	39.4638	524.778	1	-2.8545	2.71339	5.63316	16.1513	-9.08454	1.09727	2.9118	17.6035
LOC644420	0.0472942	-0.3967	-2.5208	1 down vs 2	6.18983	34.0001	32.9574	1	2.35052	-2.18832	-3.08188	-2.62355	3.90147	-1.101	-5.25184	-3.62122
LOC644516	0.473555	-0.0194992	-51.284	1 down vs 2	0.584458	1667.16	17114.9	1	-2.98276	145.881	2.60659	6.49786	-5.22606	-3.27326	3.29372	-2.26652
LOC644518	0.827533	0.491477	-2.03468	1 down vs 2	0.0517903	26.7932	3104.04	1	-5.44152	5.50323	-3.52876	-2.38914	-3.12973	-56.1776	4.54846	12.4865
LOC644554	0.193967	-0.163015	-6.13442	1 down vs 2	2.13844	562.734	1578.91	1	6.8226	24.9808	-4.16287	2.05027	-16.1576	3.33246	40.5794	9.74957
LOC644625	0.393214	0.344312	-2.90434	1 down vs 2	0.845803	157.882	1119.99	1	4.61687	20.2922	40.6082	6.6928	3.14615	1.25893	3.88181	3.9332
LOC644739	0.237273	-0.451676	-2.21398	1 down vs 2	1.72305	37.4845	130.528	1	3.23375	2.88966	-4.94953	-4.96841	5.90819	-2.95425	-8.2103	-2.17574
LOC645332	0.0678744	-0.695306	-1.43822	1 down vs 2	4.94375	612.3	743.12	1	-3.44533	6.65386	2.63615	-2.12945	-16.6599	-1.25002	15.3765	29.8806

Gene ID	p-value (1 vs. 2)	MeanRatio (1 vs. 2)	FoldChange (1 vs. 2)	FoldChange (1 vs. 2)	F(Gene Group)	SS(Gene Group)	SS(Error)	F(Error)	FoldChange (106 vs. n)	FoldChange (111 vs. n)	FoldChange (112 vs. n)	FoldChange (121 vs. n)	FoldChange (347 vs. n)	FoldChange (353 vs. n)	FoldChange (537 vs. n)	FoldChange (563 vs. n)
LOC645465	0.868587	0.618531	-1.61673	1 down vs 2	0.0298156	6.81559	1371.55	1	-4.07612	-35.554	3.00433	3.52045	-8.7185	-1.8855	-2.30639	11.7518
LOC645537	0.741266	0.871466	-1.14749	1 down vs 2	0.119606	0.643966	32.3045	1	-6.39871	-7.13815	-2.58615	-2.6041	-2.9174	-3.50487	-2.36788	-7.20019
LOC645590	0.568135	-0.71945	-1.38995	1 down vs 2	0.364481	7.24474	119.261	1	-3.05806	2.44601	-5.72494	3.30679	2.21869	-7.23203	2.22435	2.57062
LOC645700	0.646125	0.31292	-3.1957	1 down vs 2	0.233418	157.461	4047.53	1	-3.09636	-3.96847	-68.7543	3.73812	-13.1626	-2.36317	6.28217	2.11567
LOC645711	0.453735	-0.693035	-1.44293	1 down vs 2	0.641417	77.1964	722.117	1	-4.74637	2.64329	-2.11339	5.19078	7.43527	-1.31985	7.22647	-25.3862
LOC645893	0.0737217	-0.949149	-1.05358	1 down vs 2	4.68066	812.286	1041.25	1	-3.82872	4.10569	2.94462	-24.1437	-2.43395	-3.56048	28.9973	20.9052
LOC646155	0.459431	-0.0211642	-47.2497	1 down vs 2	0.624599	16452.3	158044	1	-3.09216	-5.38459	446.944	-7.03246	4.30037	-4.75472	11.7938	10.0582
LOC646347	0.00854719	-0.639523	-1.56367	1 down vs 2	14.7547	256.72	104.396	1	-5.87781	7.66417	6.76631	-2.02752	-5.78738	4.20256	14.9233	2.12836
LOC646667	0.266172	-0.16112	-6.20655	1 down vs 2	1.50278	457.734	1827.54	1	2.26603	2.10844	41.8215	-10.8359	2.06558	3.60742	28.0214	-8.27678
LOC646764	0.754261	0.199089	-5.02289	1 down vs 2	0.107397	3.71711	207.666	1	-6.95426	2.05778	-2.33834	-3.18695	11.1912	2.0181	4.26166	2.79077
LOC646841	0.612904	0.155608	-6.4264	1 down vs 2	0.284555	1434.82	30254.1	1	-8.2807	-2.5846	-187.441	-2.32789	-4.68496	2.55646	2.47535	21.1897
LOC646909	0.159736	-0.475069	-2.10496	1 down vs 2	2.57427	400.203	932.777	1	-9.83134	-2.07272	2.81901	-2.07071	-2.21374	1.64697	34.9293	12.1993
LOC647044	0.631285	-0.392425	-2.54826	1 down vs 2	0.255455	120.545	2831.31	1	-6.10434	49.1034	2.43325	2.81227	-3.48716	-1.9923	2.2478	-23.0001
LOC647089	0.388872	-0.131918	-7.58049	1 down vs 2	0.862509	649.219	4516.26	1	-3.32704	2.371	2.44161	3.24567	-6.42448	76.034	4.21427	-2.86498
LOC647286	0.48071	0.0109972	-90.9319	1 down vs 2	0.564938	184230	1.96E+06	1	-5.65146	4.30634	1567.88	-7.14322	23.2512	4.39214	5.33334	2.80705
LOC647360	0.0923658	-0.667535	-1.49805	1 down vs 2	4.00189	324.688	486.802	1	-3.50782	14.2134	2.55187	2.13462	-14.4303	-1.40547	20.8658	3.23173
LOC647444	0.826091	0.413117	-2.42062	1 down vs 2	0.0526782	28.7219	3271.4	1	-3.6254	2.03467	21.2458	-2.08679	-2.55291	1.30701	-2.91568	-55.0163
LOC647571	0.433843	0.41847	-2.38966	1 down vs 2	0.703192	14.3662	122.58	1	4.67443	3.21301	12.2552	-3.76208	5.06328	1.52935	3.66549	3.13646
LOC647942	0.135271	0.108242	-9.23857	1 down vs 2	2.97591	68.7242	138.561	1	-2.17842	11.4234	8.44156	2.33089	2.0521	-2.16385	11.1116	5.1324
LOC648164	0.141038	-0.0493359	-20.2692	1 down vs 2	2.87253	258.613	540.177	1	-4.96325	26.914	12.2648	5.42037	-2.11363	-1.67373	14.7518	3.70342
LOC649179	0.162606	-0.630789	-1.58532	1 down vs 2	2.53281	437.456	1036.29	1	-3.96511	3.37196	9.64757	-3.4958	-10.2636	-8.32635	34.9395	7.19888
LOC649198	0.627142	-0.078205	-12.7869	1 down vs 2	0.261838	45.9252	1052.38	1	21.6325	6.86782	-6.448	-3.67011	-19.0393	13.6319	4.52264	4.37622
LOC649341	0.454713	-0.575593	-1.73734	1 down vs 2	0.638502	85.7444	805.739	1	-2.84085	3.33617	26.0268	-8.48805	3.91759	-1.2209	4.01925	-10.7014
LOC649443	0.369153	-0.243415	-4.10822	1 down vs 2	0.942399	33.7106	214.626	1	5.04883	2.37658	2.19928	5.04897	-12.588	5.2737	4.3662	2.83471
LOC649722	0.113521	-0.336054	-2.97572	1 down vs 2	3.42882	816.911	1429.49	1	-17.6981	25.3799	2.79244	4.04621	-2.09855	3.55517	41.3334	5.05381
LOC649812	0.499654	-0.336092	-2.97537	1 down vs 2	0.515756	50.0317	582.039	1	-4.82167	3.90531	-21.1944	11.9333	-3.21342	-2.81621	2.95412	-2.17987
LOC650120	0.262943	-0.101195	-9.88192	1 down vs 2	1.5256	49.3992	194.28	1	-3.04728	-13.4575	-5.9924	2.16315	2.29919	-2.48673	-6.17071	4.80149
LOC650177	0.316727	0.126244	-7.92115	1 down vs 2	1.19247	77.1788	388.329	1	-3.29692	8.33096	5.40236	8.87707	-2.79921	4.88974	20.8106	-2.71994
LOC650227	0.383425	-0.169191	-5.91047	1 down vs 2	0.883908	14952.8	101500	1	-8.6456	2.9561	-7.14022	-4.03194	-26.0905	3.14677	22.6328	360.3
LOC650656	0.34806	-0.22247	-4.49499	1 down vs 2	1.03584	58.9433	341.421	1	2.39257	4.33285	-2.80565	2.78443	-2.11595	-9.07536	2.41792	-17.8021
LOC650781	0.503831	0.0718634	-13.9153	1 down vs 2	0.505377	2896.59	34389.2	1	5.91821	-2.03522	208.013	5.49904	-2.28748	5.25211	2.69413	-2.18504
LOC651441	0.262016	-0.208159	-4.80403	1 down vs 2	1.53223	33862.6	132601	1	-3.07149	-61.3757	2.62511	-63.6957	-2.69548	291.631	321.206	2.0811
LOC651515	0.273937	-0.772658	-1.29423	1 down vs 2	1.44956	817.324	3383.07	1	-4.50817	2.8866	31.9217	-25.5327	2.73978	-1.00889	46.4736	-21.383
LOC651686	0.569818	0.148773	-6.72165	1 down vs 2	0.361228	16.9992	282.356	1	-2.37979	6.91306	3.65887	-2.55904	6.51758	-4.60046	14.2269	-2.51204
LOC651769	0.448304	0.00343759	-290.901	1 down vs 2	0.657807	13380.7	122049	1	-23.2305	3.52568	-394.177	33.7231	-11.3668	-1.70618	-3.80812	-27.6774
LOC652046	0.812567	0.346749	-2.88393	1 down vs 2	0.0613945	7.62597	745.275	1	-2.93531	2.6389	-25.4504	-2.3944	2.11824	-1.21385	10.794	-2.20473
LOC652258	0.42598	-0.567535	-1.76201	1 down vs 2	0.728988	41.0138	337.568	1	-3.14882	2.58097	-2.54654	2.76085	-4.692	2.13659	-4.85519	17.6024
LOC652515	0.504446	-0.249325	-4.01083	1 down vs 2	0.503863	845.553	10068.8	1	-2.19996	-10.6248	-11.5336	-8.19174	-2.32227	105.908	4.28328	-3.04354
LOC652577	0.430119	0.281806	-3.54855	1 down vs 2	0.715308	218.739	1834.79	1	-2.40526	-45.2941	2.10751	-7.0397	-3.26932	-8.2008	4.63156	-28.4395
LOC652809	0.260353	-0.265288	-3.76949	1 down vs 2	1.54421	398.378	1547.89	1	-5.65486	4.06544	46.2256	2.09503	-5.60864	1.85765	2.79712	2.65489
LOC652869	0.200219	-0.322643	-3.0994	1 down vs 2	2.07057	36.0914	104.584	1	-2.55993	3.4119	6.04443	2.09059	-2.74138	4.48344	7.3569	-4.71118
LOC653200	0.481303	0.202167	-4.9464	1 down vs 2	0.563343	18.368	195.632	1	-2.29404	2.67607	-15.2777	-2.26334	2.17807	-1.08028	-2.93188	-3.00123
LOC653238	0.803384	0.420076	-2.38052	1 down vs 2	0.0677216	5.64003	499.696	1	-2.97997	20.2796	-3.77114	9.24549	-2.49659	-2.75662	3.3169	-2.11537
LOC653352	0.666343	0.0148774	-67.2163	1 down vs 2	0.205377	26.5638	776.049	1	-2.93777	7.39182	-2.164	8.49224	-5.725	-25.0742	5.22992	-4.48752
LOC653604	0.579404	0.246794	-4.05196	1 down vs 2	0.343083	107.631	1882.31	1	-22.7396	13.2545	17.5153	34.7374	-4.55029	3.13828	12.4154	3.97153
LOC653879	0.138113	-0.899819	-1.11133	1 down vs 2	2.92421	28.2657	57.9966	1	2.17828	3.53114	3.02239	-5.494	-2.20116	-2.66948	2.6882	3.64625
LOC653941	0.36325	-0.140631	-7.11079	1 down vs 2	0.96767	520.696	3228.56	1	-6.69467	64.561	3.87884	4.22782	-3.69697	5.5252	2.54113	-3.45682
LOC727735	0.136321	-0.247973	-4.03269	1 down vs 2	2.95663	147.814	299.963	1	-5.42675	3.00445	2.16172	2.67209	-2.53804	-1.32781	15.4492	16.2855
LOC727735	0.649089	-0.128726	-7.76843	1 down vs 2	0.229165	12.5773	329.3	1	-8.61118	-3.03105	2.94888	13.2551	-5.53004	2.73507	2.04409	6.77595
LOC727758	0.985679	0.960077	-1.04158	1 down vs 2	0.00035006	0.193499	3316.54	1	-16.2995	8.14126	2.17505	-2.53863	-4.33826	-1.36785	8.92079	-58.1028
LOC727851	0.566777	0.0532448	-18.7812	1 down vs 2	0.367122	1719.27	28098.6	1	-2.71187	8.59563	5.9284	-6.51807	4.12099	-181.707	4.75713	2.50561
LOC727868	0.275287	-0.295804	-3.38062	1 down vs 2	1.44054	199.788	832.14	1	-2.19253	5.16663	-2.13884	-2.21755	-2.65912	-1.86751	5.79164	32.8785

Gene ID	p-value (1 vs. 2)	MeanRatio (1 vs. 2)	FoldChange (1 vs. 2)	FoldChange (1 vs. 2)	F(Gene Group)	SS(Gene Group)	SS(Error)	F(Error)	FoldChange (106 vs. n)	FoldChange (111 vs. n)	FoldChange (112 vs. n)	FoldChange (121 vs. n)	FoldChange (347 vs. n)	FoldChange (353 vs. n)	FoldChange (537 vs. n)	FoldChange (563 vs. n)
LOC728160	0.552811	0.362267	-2.7604	1 down vs 2	0.395059	62.91	955.453	1	2.5233	30.3631	4.22557	-9.1309	16.4788	-2.31866	4.62306	8.52098
LOC728503	0.197663	-0.207899	-4.81002	1 down vs 2	2.09795	1125	3217.43	1	-2.54465	4.97001	4.41253	-6.3818	-3.72148	12.9563	70.5837	8.47205
LOC728627	0.249561	-0.350485	-2.85319	1 down vs 2	1.6248	14.7121	54.3284	1	-3.57069	2.1273	2.03749	5.25569	-3.86591	1.45151	2.47924	2.27538
LOC728694	0.0862126	-0.824204	-1.21329	1 down vs 2	4.20351	91.5917	130.736	1	-3.87643	3.45549	2.2817	-2.00441	-3.59265	12.7225	3.72833	-3.03118
LOC728819	0.0430123	-0.318584	-3.13889	1 down vs 2	6.54443	535.194	490.671	1	-12.8272	13.2016	2.1838	2.88618	-2.30492	5.49587	26.1567	17.0265
LOC728835	0.0764417	-0.923161	-1.08324	1 down vs 2	4.56777	207.262	272.249	1	-5.50541	4.28444	2.18319	-6.41734	-3.21781	-1.07907	19.6664	2.27968
LOC729051	0.417947	0.259999	-3.84617	1 down vs 2	0.756195	66.0217	523.846	1	5.23341	-10.494	-2.95462	-3.06009	-8.42796	-24.6999	-4.11747	2.17193
LOC729153	0.274467	-0.93073	-1.07443	1 down vs 2	1.446	561.052	2328.01	1	2.64388	2.75771	-3.16892	-29.9379	2.27764	7.54434	-6.12468	43.7886
LOC729193	0.328268	-0.596194	-1.67731	1 down vs 2	1.13207	53.8392	285.348	1	-9.61303	2.47839	8.70111	-2.22283	5.83143	-6.42543	9.67929	2.35208
LOC729225	0.0181524	-0.722552	-1.38398	1 down vs 2	10.3641	89.5919	51.8666	1	-3.12389	4.72347	7.91568	-3.0336	-2.54116	-1.7785	5.52365	3.68034
LOC729264	0.349862	0.321793	-3.10758	1 down vs 2	1.02751	227.971	1331.21	1	-4.72958	31.01	8.53178	23.4983	-3.07319	32.6846	2.6317	6.43387
LOC729275	0.278197	-0.399177	-2.50515	1 down vs 2	1.42131	16.484	69.5868	1	-2.54841	5.78488	5.04135	2.43742	-2.42674	1.02941	2.12039	-3.38036
LOC729417	0.224357	0.00873838	-114.438	1 down vs 2	1.83468	13.3851	43.7734	1	-2.63431	2.25598	2.06603	-2.221	4.92597	1.13395	3.2518	4.76918
LOC729562	0.329037	-0.381291	-2.62267	1 down vs 2	1.12817	3586.08	19072.1	1	15.8713	-152.838	-4.00093	28.4316	-8.08678	-1.16579	-3.22019	2.92006
LOC729841	0.0047987	-0.885834	-1.12888	1 down vs 2	18.9623	106.683	33.7563	1	-3.3322	8.23683	2.30585	-2.18344	-5.11395	1.3038	4.8806	3.27214
LOC729926	0.209146	-0.338087	-2.95782	1 down vs 2	1.97877	401.84	1218.45	1	-2.19022	5.61626	38.4166	-2.89414	-6.01227	-4.05693	16.7546	-2.0275
LOC729989	0.103553	-0.0259955	-38.4682	1 down vs 2	3.67871	2583.42	4213.58	1	-2.35785	67.3416	4.43411	-2.66215	2.19856	28.2199	73.0071	7.89032
LOC730107	0.444397	-0.136886	-7.30537	1 down vs 2	0.669814	156.445	1401.39	1	-6.10701	40.0421	2.8091	6.07559	-3.26804	3.36708	-2.01405	-4.03127
LOC730291	0.423489	-0.685261	-1.4593	1 down vs 2	0.737328	31.3563	255.161	1	-4.16618	13.5511	-2.57224	4.13665	-4.95899	-1.62702	5.696	-2.91495
LOC730525	0.0707523	-0.546214	-1.83078	1 down vs 2	4.81056	1084.46	1352.6	1	-8.22617	17.3302	2.4255	-10.2004	-7.06059	6.72079	46.7451	4.54754
LOC731158	0.267391	-0.278545	-3.59009	1 down vs 2	1.49427	70.4986	283.075	1	-5.69128	-3.14576	-7.13524	-3.49677	13.1957	1.036	-4.6978	-10.0369
LOC731631	0.0390025	-0.169871	-5.88683	1 down vs 2	6.92265	779.276	675.414	1	-3.78482	5.07636	11.5444	3.32049	-8.41636	30.1493	9.19571	31.1661
LOC731837	0.644318	0.222446	-4.49548	1 down vs 2	0.236033	75.8913	1929.17	1	-3.27166	-8.91247	45.9075	3.83083	4.90105	2.66013	-3.22269	4.47802
LOC732435	0.160441	-0.305285	-3.27563	1 down vs 2	2.56399	365.038	854.226	1	-2.55544	3.54522	7.87479	-3.77049	-3.46423	8.58975	-2.21939	35.6578
LOXL4	0.0250455	-0.499245	-2.00303	1 down vs 2	8.80477	289.443	197.24	1	-2.44867	3.88545	6.58763	-4.79985	-5.16351	8.78782	19.8824	2.29273
LPHN2	0.300012	-0.479787	-2.08426	1 down vs 2	1.28624	655.64	3058.39	1	-3.40514	8.72655	-2.88303	-9.84511	-4.93849	1.29194	61.0192	-4.97127
LPPR4	0.367705	-0.310102	-3.22475	1 down vs 2	0.948538	191846	1.21E+06	1	-162.097	-5.95439	3.99323	-32.266	-32.7783	14.1004	1224.7	-16.0501
LRCH1	0.402717	-0.1715	-5.83091	1 down vs 2	0.810286	279345	2.07E+06	1	-47.6866	4.09689	1614.81	-23.9027	-97.9274	-1.67121	27.9844	2.17525
LRFN4	0.253864	-0.187467	-5.33428	1 down vs 2	1.59206	260.384	981.312	1	-5.27666	2.81799	2.06465	2.94482	-3.2494	3.7431	37.3875	3.60658
LRRC29	0.159528	-0.470224	-2.12664	1 down vs 2	2.57732	5463.23	12718.4	1	-4.52532	22.6868	128.637	-4.6867	-42.5805	-1.43861	-3.95442	37.643
LRRK1	0.0273991	-0.515859	-1.93851	1 down vs 2	8.39951	168.904	120.652	1	-4.92104	3.71275	13.6484	-2.37177	-2.39694	1.52354	2.15818	10.2633
LRRN3	0.215365	-0.478492	-2.0899	1 down vs 2	1.91809	965.516	3020.24	1	-14.5361	7.39936	2.38306	-3.37399	-4.12201	6.33081	63.3431	-2.71484
LRRTM1	0.156358	-0.841821	-1.1879	1 down vs 2	2.62442	666.389	1523.51	1	-21.0529	5.79044	4.80633	2.00311	-6.79999	8.11541	39.9723	-7.50616
LRRTM4	0.230107	-0.447937	-2.23246	1 down vs 2	1.78386	1443.23	4854.29	1	-18.5659	12.3004	4.23763	-2.20486	-4.97796	3.75919	79.6022	-4.09464
LSP1	0.204046	-0.717934	-1.39289	1 down vs 2	2.0305	5861.33	17319.8	1	-3.91862	5.87062	3.80518	2.00307	-68.181	3.89492	9.77986	139.377
LTBP2	0.112419	-0.924478	-1.08169	1 down vs 2	3.45494	9222.12	16015.5	1	-12.0133	3.79855	6.17097	-36.8404	-52.2157	3.9218	145.8	22.5185
LYVE1	0.251064	-0.37085	-2.69651	1 down vs 2	1.61326	1107.42	4118.68	1	-2.94917	2.19906	74.1996	-13.9913	-2.78311	-1.49117	7.44225	6.29148
LYZ	0.038011	-0.842433	-1.18704	1 down vs 2	7.02434	6487.73	5541.64	1	-2.35757	24.2569	71.4699	-70.4061	-7.92466	7.49727	13.3812	43.0283
MAB21L1	0.243087	-0.188103	-5.31625	1 down vs 2	1.67565	1433.43	5132.67	1	-11.3915	25.33	3.99759	2.3462	-4.08727	5.71035	83.9581	-2.63611
MAFF	0.614985	0.0678742	-14.7331	1 down vs 2	0.281156	47.6577	1017.04	1	-2.22831	21.2381	8.34795	5.74356	-2.41392	-20.6849	7.23426	10.908
MAGEA9B	0.626406	0.058327	-17.1447	1 down vs 2	0.262981	185.318	4228.1	1	-37.4225	3.17591	-2.4773	41.4566	-2.18675	3.15526	9.64696	39.2863
MAGEB1	0.219429	-0.639197	-1.56446	1 down vs 2	1.87978	183.797	586.655	1	-8.57713	2.5429	-17.0614	14.4167	5.74268	-4.4037	2.06978	-13.3476
MAGED2	0.451954	-0.0522055	-19.1551	1 down vs 2	0.646756	69656	646203	1	-2.71904	2.98857	5.61611	-22.4393	-3.53068	8.09965	902.006	-2.81062
MAGI3	0.0716335	-0.623597	-1.6036	1 down vs 2	4.77125	330.403	415.492	1	-7.58447	13.2778	5.25571	-2.96124	-4.74996	4.62218	22.2132	-4.48867
MAK	0.349127	-0.0303736	-32.9233	1 down vs 2	1.0309	3619.38	21065.3	1	-2.57976	3.78647	14.5092	-4.26275	2.95708	7.97652	172.103	14.8269
MAPK8IP3	0.579285	-0.130604	-7.65672	1 down vs 2	0.343304	111.502	1948.74	1	-6.08093	-4.46202	42.9527	6.83325	-3.42476	-4.8999	10.24	-9.72723
MASP1	0.623463	-0.966458	-1.03471	1 down vs 2	0.26759	44.5442	998.786	1	7.51925	3.71153	-17.3698	5.2089	-19.9146	8.80481	5.10736	12.1392
MCOLN2	0.400315	-0.050449	-19.822	1 down vs 2	0.819133	837.146	6131.94	1	-2.53522	2.2931	2.88981	3.34004	-3.8492	1.34862	89.9648	4.07979
MCRS1	0.511112	0.049282	-20.2914	1 down vs 2	0.487673	15581.9	191710	1	-6.31479	5.32829	2.51996	-4.63885	-3.22283	-6.98761	7.08914	-487.383
MDFIC	0.150915	-0.673938	-1.48382	1 down vs 2	2.70852	1922.05	4257.78	1	-10.0094	7.07345	7.06931	3.05598	-31.7174	14.3726	71.7095	-4.59092
MFI2	0.215005	-0.735686	-1.35928	1 down vs 2	1.92153	150.25	469.158	1	-2.66119	2.40215	20.58	-4.92838	-3.79324	1.50654	9.79168	-8.49306
MFSD1	0.000641166	-0.975114	-1.02552	1 down vs 2	42.0036	123.533	17.6461	1	-3.74247	3.81396	3.33367	-3.66289	-4.61662	1.2094	5.87414	6.31683

Gene ID	p-value (1 vs. 2)	MeanRatio (1 vs. 2)	FoldChange (1 vs. 2)	FoldChange (1 vs. 2)	F(Gene Group)	SS(Gene Group)	SS(Error)	F(Error)	FoldChange (106 vs. n)	FoldChange (111 vs. n)	FoldChange (112 vs. n)	FoldChange (121 vs. n)	FoldChange (347 vs. n)	FoldChange (353 vs. n)	FoldChange (537 vs. n)	FoldChange (563 vs. n)
MGAM	0.0767335	-0.0656203	-15.2392	1 down vs 2	4.55599	835.818	1100.73	1	-13.0563	10.5309	6.67117	15.344	-6.18813	23.3365	18.9752	39.5518
MGC4294	0.163469	-0.508618	-1.96611	1 down vs 2	2.52055	17094.7	40692.9	1	-5.51771	85.0315	-22.2097	-94.077	3.01981	15.9407	22.1204	215.579
MGC4677	0.000800956	-0.807188	-1.23887	1 down vs 2	38.6309	334.916	52.0179	1	-3.68219	11.5314	5.51451	-9.05561	-5.17074	7.59026	3.62679	8.71424
MGC5457	0.42592	-0.192967	-5.18224	1 down vs 2	0.729186	8.60779	70.828	1	-2.55531	2.4305	3.72389	5.63154	-4.11596	-1.60014	2.17761	2.24836
MIR1236	0.530493	0.100474	-9.95282	1 down vs 2	0.442834	1733.27	23484.2	1	-2.67856	-3.60909	4.34286	-4.41301	-3.09653	-1.19754	-170.753	2.21615
MIR24-1	0.996039	0.844812	-1.1837	1 down vs 2	2.68E-05	0.0910957	20410.7	1	-100.313	3.54542	-4.1315	101.318	-4.60474	-4.07776	2.42971	-4.86753
MIR26A1	0.196933	-0.157104	-6.36521	1 down vs 2	2.10586	591.914	1686.48	1	-8.70403	4.95124	-5.25621	-2.81563	4.28255	3.79282	32.8554	40.4329
MIR301A	0.204863	-0.352392	-2.83775	1 down vs 2	2.02209	1452.51	4309.92	1	-2.27622	5.75721	2.31406	16.0122	-35.4932	-5.15895	49.8872	50.103
MIR429	0.266362	-0.408637	-2.44716	1 down vs 2	1.50145	243.414	972.716	1	2.26003	2.94372	34.4174	-7.17221	-5.00372	1.25739	6.13542	-4.31098
MIR548P	0.271816	-0.0378126	-26.4462	1 down vs 2	1.46387	337.525	1383.42	1	-17.5486	3.58265	33.4811	21.8022	-5.72013	6.53821	8.79704	12.2413
MIR938	0.443994	-0.479314	-2.08631	1 down vs 2	0.671065	16.052	143.521	1	2.94449	3.08269	-3.65416	3.05772	-8.84631	2.27137	2.10089	6.08869
MKI67	0.315379	-0.128119	-7.80524	1 down vs 2	1.19975	276.912	1384.85	1	-18.084	9.18955	2.82146	7.42252	6.521	37.4758	6.64466	-2.2691
MLLT1	0.778572	-0.340032	-2.9409	1 down vs 2	0.0865098	322.947	22398.4	1	-2.45561	-2.5971	-2.3874	3.72362	-11.2586	-74.451	131.155	-2.7507
MMP25	0.0498544	-0.534413	-1.87121	1 down vs 2	5.99789	154.486	154.541	1	-3.93851	4.07256	2.19955	-8.24079	2.69511	5.19247	3.74766	14.366
MNS1	0.0329912	-0.619174	-1.61505	1 down vs 2	7.60023	193.13	152.467	1	-10.4545	5.50635	3.63355	2.02967	-3.21818	4.32408	13.8535	4.02268
MOBP	0.479012	0.00562596	-177.747	1 down vs 2	0.569522	1.77E+06	1.86E+07	1	2.76628	-33.2389	-2.22279	-10.7764	-8.47105	-4836.4	-2.49518	-8.11592
MOBP	0.476011	0.00724293	-138.066	1 down vs 2	0.577695	542519	5.63E+06	1	3.10097	-34.9739	-2.25548	-5.02221	-9.85209	-2664.81	-2.53261	-4.58216
MOBP	0.469443	0.0211894	-47.1934	1 down vs 2	0.595919	96741.4	974039	1	2.43006	-32.8946	-2.13358	-8.85856	-8.32335	-1114.48	-2.76389	-8.04523
MOGAT2	0.170621	-0.470539	-2.12522	1 down vs 2	2.42233	174.399	431.98	1	-3.46923	20.8886	-3.4866	-3.76397	-2.0247	-1.02047	13.7336	2.67667
MOGAT3	0.107971	-0.734992	-1.36056	1 down vs 2	3.56403	224.989	378.766	1	6.83996	-21.9999	3.99455	3.93005	3.15149	-2.30714	-6.60162	-4.65425
MPPED1	0.477919	-0.0042599	-234.75	1 down vs 2	0.572489	134465	1.41E+06	1	-3.52039	1328.43	2.40648	3.04161	-2.92901	3.26378	3.71689	-4.51799
MRGPRF	0.47452	-0.256436	-3.89961	1 down vs 2	0.581792	2429.78	25058.2	1	2.26277	2.82895	2.35248	-23.462	43.2408	5.78237	9.37843	-163.598
MS4A14	0.0744513	-0.15286	-6.54191	1 down vs 2	4.64983	329.763	425.516	1	4.47368	10.5865	15.3867	-4.19511	-5.55378	1.76115	25.6742	4.10807
MS4A15	0.35207	-0.541027	-1.84834	1 down vs 2	1.01739	2430.68	14334.7	1	-4.17898	3.33413	125.665	4.86851	-38.6117	-1.16496	3.05835	-14.071
MS4A6A	0.126358	-0.182798	-5.47053	1 down vs 2	3.14838	232.787	443.631	1	2.96943	13.3301	4.51223	-5.40883	-2.72666	-1.24914	5.61755	24.8911
MS4A7	0.0489805	-0.348646	-2.86824	1 down vs 2	6.06188	635.266	628.782	1	2.21502	13.8153	30.9562	-14.1908	-2.29951	3.11474	15.2026	5.15278
MSH5	0.0517246	-0.774431	-1.29127	1 down vs 2	5.86592	314.316	321.501	1	-14.2574	9.21464	2.1836	2.76346	-5.45832	2.2597	4.79774	18.0276
MSR1	0.290851	-0.0877004	-11.4025	1 down vs 2	1.34109	6047.75	27057.5	1	-4.08349	13.2692	40.8001	-5.66363	-3.99045	2.86667	196.943	7.19097
MSTN	0.991339	0.980933	-1.01944	1 down vs 2	0.00012802	0.389723	18265.1	1	-41.4415	3.14296	-2.96354	115.461	-3.65288	58.6164	65.1075	-4.34608
MSX2P1	0.732085	0.302853	-3.30194	1 down vs 2	0.128685	47.4092	2210.48	1	-5.15299	5.62734	-20.3287	5.44098	6.26529	3.13622	3.80872	43.8206
MTTP	0.354578	-0.026193	-38.1782	1 down vs 2	1.00602	1103.86	6583.53	1	7.84939	3.67351	5.17959	-6.43632	-3.27102	3.68288	95.4316	10.2544
MUC12	0.348078	-0.0675405	-14.8059	1 down vs 2	1.03576	1155.52	6693.73	1	-4.33368	4.15488	-5.3335	2.61766	-2.9958	20.6832	94.2905	2.47635
MUC4	0.369508	-0.247444	-4.04131	1 down vs 2	0.9409	749.737	4780.97	1	-3.87617	2.36041	-2.07834	-3.29517	-4.72823	77.531	5.69925	-3.36249
MUTYH	0.0505643	-0.733367	-1.36357	1 down vs 2	5.94702	107.697	108.656	1	-3.25123	11.2153	-2.26022	-2.63622	-3.73205	1.17238	4.74278	6.99127
MYB	0.451072	-0.0101091	-98.9205	1 down vs 2	0.649411	385296	3.56E+06	1	-8.04593	40.8504	4.34524	3.96039	-9.52463	68.8373	2135.47	-5.62874
MYH1	0.304296	-0.503847	-1.98473	1 down vs 2	1.26146	29.7275	141.395	1	-3.30932	3.7184	2.50363	7.75614	-8.44898	1.00915	2.74461	3.26289
MYL1	0.567712	-0.314468	-3.17998	1 down vs 2	0.365303	12.6819	208.297	1	-3.70952	-2.84044	-3.17962	-6.03863	11.6147	-1.54393	2.0475	-4.37615
MYO1B	0.0121595	-0.623437	-1.60401	1 down vs 2	12.5601	295.526	141.173	1	-3.46712	8.40299	4.53061	-2.96444	-8.03201	2.53498	16.9826	6.21503
MYO1H	0.191648	-0.388493	-2.57405	1 down vs 2	2.16441	1172.51	3250.33	1	-9.93853	2.82257	3.43271	-8.02256	-3.0292	-4.0014	65.7709	22.0253
NAALADL1	0.313684	-0.0563487	-17.7466	1 down vs 2	1.20897	11672.5	57929.6	1	-3.46058	282.332	77.1201	-4.41956	-4.74628	-1.81477	3.67113	12.1522
NAT1	0.370408	-0.0135888	-73.5898	1 down vs 2	0.937107	1690.94	10826.6	1	-2.26766	3.36624	12.0624	-2.74884	3.80867	5.20938	5.11388	122.388
NBPF10	0.27657	-0.854346	-1.17049	1 down vs 2	1.43202	44.2078	185.226	1	-5.82149	11.6374	-2.15932	3.58217	-4.47208	-2.71453	3.56059	2.76853
NBPF9	0.484851	-0.0437934	-22.8345	1 down vs 2	0.553882	10593.3	114753	1	-2.773	374.754	-4.07201	-4.67185	-2.016	-7.37505	7.33892	-10.5897
NBR2	0.121605	-0.16193	-6.1755	1 down vs 2	3.24742	145.761	269.311	1	-3.16723	6.49695	5.61722	3.51594	-4.035	1.36729	20.8409	3.61875
NCRNA00152	0.0252771	-0.265875	-3.76117	1 down vs 2	8.76265	318.987	218.418	1	-4.55989	9.04486	17.5855	-7.73468	4.07605	7.42527	2.5727	14.8904
NCRNA00173	0.107759	-0.274869	-3.6381	1 down vs 2	3.56939	2057.84	3459.15	1	-6.10089	6.75375	3.68725	-2.56505	-12.7623	7.02969	69.4529	43.0066
NECAB1	0.782342	0.710326	-1.4078	1 down vs 2	0.0834934	129.002	9270.32	1	-31.8147	-6.23568	-6.31912	-11.4713	-17.7332	-113.383	-2.70874	-14.5253
NGFR	0.261425	-0.585661	-1.70747	1 down vs 2	1.53648	623.024	2432.94	1	-5.40047	4.14615	3.11239	2.09823	-16.8958	-1.1936	-2.22704	53.6414
NMU	0.225128	-0.0691518	-14.4609	1 down vs 2	1.82777	274097	899777	1	-74.5063	948.357	19.2587	3.34806	-3.0303	25.7263	796.902	-2.18441
NMUR2	0.813469	-0.746325	-1.3399	1 down vs 2	0.0607909	5.37106	530.118	1	-12.5176	-2.99445	2.76712	16.8177	-6.47007	5.2382	2.25433	-2.4193
NOL4	0.160569	-0.235795	-4.24097	1 down vs 2	2.56213	2112.96	4948.14	1	-13.9888	25.456	2.50257	2.12649	-7.3533	26.567	84.4763	-3.18036
NOX4	0.0192944	-0.337729	-2.96095	1 down vs 2	10.0552	1158.51	691.289	1	-8.56389	39.6961	17.3891	-7.8524	-2.41028	4.49666	13.9368	17.389

Gene ID	p-value (1 vs. 2)	MeanRatio (1 vs. 2)	FoldChange (1 vs. 2)	FoldChange (1 vs. 2)	F(Gene Group)	SS(Gene Group)	SS(Error)	F(Error)	FoldChange (106 vs. n)	FoldChange (111 vs. n)	FoldChange (112 vs. n)	FoldChange (121 vs. n)	FoldChange (347 vs. n)	FoldChange (353 vs. n)	FoldChange (537 vs. n)	FoldChange (563 vs. n)
NPC1L1	0.261385	-0.26138	-3.82584	1 down vs 2	1.53676	11.6633	45.5371	1	-2.69524	2.10511	-2.03366	3.36857	-2.22378	4.28049	3.01719	2.51716
NPPA	0.55714	0.13803	-7.24479	1 down vs 2	0.386244	129.006	2004.01	1	-3.53538	6.40653	45.0515	12.8488	-5.32861	2.15272	6.63075	-12.1263
NPY5R	0.43731	-0.0303301	-32.9705	1 down vs 2	0.692074	50327.4	436318	1	-20.7963	8.36097	745.742	17.2749	-10.947	58.1179	24.8268	-41.9962
NR4A3	0.0233405	-0.392877	-2.54533	1 down vs 2	9.13176	181.986	119.574	1	-6.64021	7.49159	2.61475	3.19068	-4.88697	13.3395	7.13972	4.77965
NRP1	0.0167528	-0.875439	-1.14228	1 down vs 2	10.7802	168.627	93.8536	1	-5.20764	3.30208	4.42913	-4.76706	-3.30559	1.60616	13.4265	2.51924
NUCB2	0.0476446	-0.785303	-1.27339	1 down vs 2	6.16273	64.3557	62.6563	1	-2.0256	2.39351	2.1604	-2.09112	-3.61435	-1.01642	3.22336	9.64697
NUP210	0.208494	-0.0996044	-10.0397	1 down vs 2	1.98528	28.0717	84.8394	1	-2.64318	7.09052	2.12277	4.24597	-2.65426	-1.13387	7.37715	2.13754
NXT2	0.0202659	-0.260431	-3.8398	1 down vs 2	9.81116	71.7589	43.884	1	-4.5444	7.56955	3.13644	2.96428	-2.25458	4.40613	3.35145	6.0772
OCIAD2	0.00408093	-0.885875	-1.12883	1 down vs 2	20.2976	550.145	162.624	1	-13.8049	7.15535	5.78152	-3.60111	-6.73296	4.59826	10.329	17.5504
ODF3L1	0.388356	-0.267719	-3.73526	1 down vs 2	0.864515	2355.55	16348.3	1	2.2138	-140.932	-2.45419	-2.82539	23.0671	-1.07869	2.4341	2.23535
OPALIN	0.441749	0.0240985	-41.4963	1 down vs 2	0.67806	1.06E+07	9.41E+07	1	-7.58364	-11100.6	-406.127	-42.5842	-126.237	-672.516	-2.9436	-18.0544
OPALIN	0.516749	0.130304	-7.67437	1 down vs 2	0.474294	178483	2.26E+06	1	-9.01313	-35.5824	-35.2711	-27.4583	-102.207	-1696.98	-2.7413	-3.20827
OR2AG1	0.60752	-0.542391	-1.84369	1 down vs 2	0.293469	8.69808	177.833	1	-3.06748	2.54798	2.30318	8.28479	-7.48953	1.8524	4.60563	-4.32708
OR4F17	0.40252	-0.0343817	-29.0852	1 down vs 2	0.811008	745.124	5512.58	1	9.2887	-10.3433	36.2289	-3.9907	-7.28584	-2.561	76.0307	-2.99397
OR4S1	0.148228	-0.814128	-1.22831	1 down vs 2	2.75162	56.3973	122.976	1	-6.30786	2.35521	-2.80782	2.51818	-3.59403	1.91908	9.78553	3.86378
OR8G2	0.449349	-0.039626	-25.2359	1 down vs 2	0.654627	16140.7	147937	1	12.0108	4.72485	-3.07256	-14.302	-8.31805	7.36406	432.752	4.45549
OR8K3	0.734435	0.539898	-1.8522	1 down vs 2	0.126324	20.1932	959.112	1	-2.58005	-2.49839	26.3099	17.245	-3.11231	1.21613	-4.37122	15.0066
OSBPL6	0.186167	-0.716249	-1.39616	1 down vs 2	2.22763	328.206	884.004	1	-7.74778	4.52892	5.49766	-5.45085	-3.36584	7.3252	31.1216	-9.9289
OTP	0.474695	-0.0168282	-59.4242	1 down vs 2	0.581312	5759.72	59448.8	1	-2.12282	2.27634	2.39999	-3.98865	3.35971	-2.47813	272.494	-2.15706
PAM	0.0861449	-0.269362	-3.71247	1 down vs 2	4.20584	406.753	580.269	1	-2.88761	6.29366	6.21833	-2.23554	-4.25327	5.44323	33.0876	6.97334
PANX2	0.417834	-0.638416	-1.56638	1 down vs 2	0.756584	601.502	4770.14	1	-12.1315	-6.41906	3.01579	-2.9812	-5.8245	1.19464	71.1838	-14.3159
PAPPA	0.0289862	-0.877889	-1.1391	1 down vs 2	8.15175	386.702	284.628	1	-3.75559	5.90052	20.9935	-6.55815	-9.82714	-1.19831	5.0557	7.48594
PARG	0.714875	0.0706997	-14.1443	1 down vs 2	0.14674	5.56073	227.371	1	2.45542	10.8248	-4.54936	5.26314	-7.32551	1.68289	3.45019	-2.1428
PBRM1	0.201309	-0.212113	-4.71447	1 down vs 2	2.05905	554.089	1614.59	1	-3.05906	2.01213	14.9283	-3.6927	-2.27297	1.97089	48.7649	3.2352
PBX1	0.0572299	-0.600457	-1.6654	1 down vs 2	5.51219	68.3842	74.4359	1	-3.026	4.2581	2.30835	2.9336	-6.7049	1.05658	7.91564	3.32834
PCDH12	0.142246	-0.18141	-5.51237	1 down vs 2	2.85161	991.24	2085.64	1	-3.12708	38.079	3.57681	-3.46033	-4.00442	2.70049	2.95086	50.003
PCDH18	0.0204818	-0.363341	-2.75224	1 down vs 2	9.75903	185.467	114.028	1	-2.7145	5.60652	7.6328	-2.17719	-3.06007	2.63055	16.2532	4.35215
PCDH20	0.487954	0.0257818	-38.787	1 down vs 2	0.545712	95373	1.05E+06	1	-9.98128	2.93166	-1147.04	-2.44618	-5.4782	8.59218	5.12659	-27.1231
PCDHAC1	0.216666	-0.207318	-4.8235	1 down vs 2	1.90571	908.697	2860.97	1	-3.88213	6.81019	3.13564	-2.12282	-5.3359	-5.72595	25.4621	61.4891
PCDHGB2	0.370079	-0.0457807	-21.8433	1 down vs 2	0.938491	485.509	3103.98	1	6.44401	-9.08321	-5.79637	-2.1478	-2.18291	-64.0227	-2.29055	4.25721
PCP4	0.281992	-0.25002	-3.99968	1 down vs 2	1.39668	51.4594	221.064	1	-5.67478	6.97143	3.3527	5.41495	-2.88365	9.07786	7.80793	-6.25507
PCSK1	0.154456	-0.328331	-3.04571	1 down vs 2	2.65334	27550	62298.8	1	-39.6585	130.671	32.0724	-8.86335	-41.3631	-1.11376	291.811	2.83133
PCSK5	0.0857065	-0.653618	-1.52995	1 down vs 2	4.22097	221.174	314.393	1	-2.73	2.14369	2.62584	-4.42307	-5.72575	2.20787	22.2793	3.58314
PDGFC	0.00864778	-0.67048	-1.49147	1 down vs 2	14.6776	165.926	67.8283	1	-4.60161	2.93784	2.44239	-2.45385	-4.27172	4.53816	12.4511	5.78741
PDLIM7	0.00409421	-0.448294	-2.23068	1 down vs 2	20.2701	328.75	97.311	1	-7.73707	3.84113	16.0294	-2.50065	-2.05816	9.23731	7.85408	8.75167
PDLIM7	0.0179762	-0.633677	-1.57809	1 down vs 2	10.4141	464.098	267.387	1	-10.2333	2.01492	5.06383	-2.01009	-6.06404	20.73	14.1044	6.23817
PDZD11	0.268994	-0.655175	-1.52631	1 down vs 2	1.48317	220.192	890.76	1	-3.87609	4.50507	3.60949	-2.30104	-6.69156	-5.1324	32.0944	-2.34054
PDZRN3	0.161337	-0.0185475	-53.9157	1 down vs 2	2.55103	260.65	613.048	1	-5.32822	24.4333	4.00414	6.81022	-2.1261	22.2036	9.60499	-2.36755
PDZRN4	0.467627	-0.120987	-8.26538	1 down vs 2	0.601039	1101.39	10994.9	1	-2.12209	6.28515	2.54295	2.21769	-7.94305	15.3564	110.797	-26.8779
PFKFB2	0.251608	0.197754	-5.05678	1 down vs 2	1.60912	77.7473	289.9	1	-5.04243	12.6345	3.16792	13.8373	-4.03295	5.97248	11.6873	6.67109
PFTK1	0.160646	-0.664254	-1.50545	1 down vs 2	2.56102	538.418	1261.41	1	-10.2993	3.90056	3.60567	-2.53894	-7.45236	5.80613	40.9377	-3.33928
PGBD2	0.387331	-0.171716	-5.82355	1 down vs 2	0.868514	41.7931	288.722	1	-5.47627	15.1163	5.42656	7.02231	-3.62173	1.32761	2.11425	-3.83823
PI15	0.22884	-0.244372	-4.09213	1 down vs 2	1.7949	4941.88	16519.7	1	-38.1899	26.3233	26.1667	15.6142	-7.67027	-5.77451	148.458	11.1105
PILRB	0.364418	-0.254968	-3.92206	1 down vs 2	0.962618	2847.72	17749.8	1	-15.7665	149.708	2.10176	-4.5297	-3.45698	-4.80517	5.61344	2.65107
PKD2L1	0.0118162	-0.968894	-1.0321	1 down vs 2	12.7288	398.04	187.624	1	-8.55191	8.97877	9.56826	-6.47308	-6.48487	4.74488	16.0718	-2.36299
PKLR	0.986222	0.95183	-1.05061	1 down vs 2	0.00032404	0.0326367	604.313	1	-14.0843	5.0519	4.72679	17.121	4.78416	2.38021	7.59111	-6.05558
PKMYT1	0.507018	0.405504	-2.46607	1 down vs 2	0.497568	85.4083	1029.91	1	5.3398	37.1206	12.6609	11.2627	-2.79177	-1.17399	5.04678	3.10937
PLA2R1	0.303196	-0.577204	-1.73249	1 down vs 2	1.26777	335.78	1589.15	1	-5.17699	-2.68966	7.79221	-12.7307	3.21541	-1.25999	41.7411	-3.15994
PLCZ1	0.502809	-0.0263741	-37.916	1 down vs 2	0.507901	14.8694	175.657	1	-3.58784	-4.49865	-3.51922	8.10081	-4.29588	4.27784	-7.78699	-2.19161
PLOD2	0.221882	-0.257437	-3.88444	1 down vs 2	1.85715	2894.72	9352.13	1	-4.76377	3.16806	12.3973	-14.2	-5.16913	1.519	23.0506	116.103
PMS2CL	0.208578	-0.189695	-5.27161	1 down vs 2	1.98444	438.687	1326.38	1	-4.45317	8.97078	-2.7781	-6.87145	4.00785	8.44843	43.4741	6.17001
PNLDC1	0.488882	0.0753234	-13.2761	1 down vs 2	0.543288	12117.2	133821	1	-19.6662	2.01609	-30.6793	-2.28294	2.30367	3.38208	-412.766	3.35555

Gene ID	p-value (1 vs. 2)	MeanRatio (1 vs. 2)	FoldChange (1 vs. 2)	FoldChange (1 vs. 2)	F(Gene Group)	SS(Gene Group)	SS(Error)	F(Error)	FoldChange (106 vs. n)	FoldChange (111 vs. n)	FoldChange (112 vs. n)	FoldChange (121 vs. n)	FoldChange (347 vs. n)	FoldChange (353 vs. n)	FoldChange (537 vs. n)	FoldChange (563 vs. n)
PODXL	0.0110408	-0.85846	-1.16488	1 down vs 2	13.1352	82.313	37.5995	1	-2.44416	2.31232	2.04747	-3.34246	-3.39505	1.26908	8.84145	3.35553
POLR3D	0.0926345	-0.281904	-3.54731	1 down vs 2	3.99351	220.906	331.898	1	-2.48819	20.1802	2.44605	3.15557	-7.82833	3.05306	14.1922	2.46529
PPIL5	0.102527	-0.763433	-1.30987	1 down vs 2	3.70631	424.861	687.791	1	-10.4605	30.9097	3.24578	-2.66367	-6.42625	-1.19591	6.74326	2.97811
PPP2R2C	0.591329	0.300969	-3.3226	1 down vs 2	0.321399	1356.48	25323.2	1	-18.0713	-2.72987	-2.22373	-4.12417	-12.5463	-9.48119	2.37729	-180.331
PRCP	0.0103867	-0.673209	-1.48542	1 down vs 2	13.5089	109.536	48.6507	1	-2.34681	2.67463	2.65986	-2.50394	-4.37496	3.34841	10.5989	3.55832
PRDM1	0.436078	-0.0526698	-18.9862	1 down vs 2	0.696007	71925.2	620038	1	-9.94438	25.2176	7.31411	-16.9844	-2.47011	3.49406	890.113	4.14967
PRKAR1A	0.615741	-0.541545	-1.84657	1 down vs 2	0.279929	37.2754	798.96	1	-3.88144	-4.88218	-2.61542	-3.00151	2.1839	26.7163	3.25872	-8.01556
PROS1	0.0028811	-0.470371	-2.12598	1 down vs 2	23.4246	296.96	76.0637	1	-3.52476	9.92739	4.35895	-5.61388	-2.93903	3.7534	11.9651	12.79
PRR22	0.105415	-0.549802	-1.81884	1 down vs 2	3.62957	138.883	229.585	1	-9.05971	12.5159	2.0967	4.03822	-4.13807	-1.3565	3.50816	11.002
PRRG4	0.379084	0.42841	-2.33421	1 down vs 2	0.901317	64.0236	426.2	1	11.159	5.47082	22.9323	-2.06853	4.04864	-1.71305	13.6366	10.7891
PRSSL1	0.409994	0.0582802	-17.1585	1 down vs 2	0.784019	352.942	2701.02	1	2.24807	-4.30377	-2.50292	2.30466	-2.00548	58.0389	18.6556	2.95716
PRX	0.983717	0.973706	-1.027	1 down vs 2	0.00045256	0.192225	2548.52	1	-5.06223	2.82224	2.17719	4.56683	36.0663	1.31524	48.034	6.5371
PSCA	0.465693	0.00206566	-484.106	1 down vs 2	0.60653	2673.12	26443.4	1	-3.32576	3.5576	3.81132	11.4353	-7.87507	2.94485	-3.74626	182.613
PSKH1	0.502856	-0.19699	-5.0764	1 down vs 2	0.507785	631.209	7458.38	1	-3.94148	-2.30595	-16.3425	-8.69216	3.57504	1.44891	2.88047	90.9608
PSMB8	0.115384	-0.783757	-1.27591	1 down vs 2	3.38546	28.1092	49.8175	1	-2.04408	3.687	2.96674	-5.30029	2.2406	-1.89139	3.39543	2.69543
PSPC1	0.114617	-0.946864	-1.05612	1 down vs 2	3.4032	363.789	641.377	1	-15.3307	2.41596	2.08758	-2.16222	-2.83054	-1.09045	4.94818	27.412
PTCD3	0.41701	-0.41753	-2.39504	1 down vs 2	0.759425	102.069	806.416	1	-2.0898	3.4713	-6.17583	-2.02217	-2.40765	29.535	2.6756	-3.48151
PTGFRN	0.0201555	-0.522964	-1.91218	1 down vs 2	9.83809	303.345	185.002	1	-4.11322	5.14792	3.43465	-2.17833	-6.81145	11.4346	18.5368	3.20484
PTK7	0.0872001	-0.173943	-5.74901	1 down vs 2	4.16985	7055.05	10151.5	1	-5.91818	55.2558	5.50593	-2.00301	-19.3454	75.4595	121.859	3.1794
PTP4A3	0.043747	-0.416282	-2.40222	1 down vs 2	6.48028	166.81	154.447	1	-2.40523	7.81615	2.34041	-2.84085	-3.07096	3.4832	17.042	2.61716
PTPN12	0.000849304	-0.901872	-1.1088	1 down vs 2	37.7835	113.549	18.0315	1	-3.52331	3.52249	2.79935	-3.30319	-4.24422	1.70264	5.58069	6.8536
PTPN20A	0.374456	-0.468098	-2.1363	1 down vs 2	0.920242	7382.14	48131.7	1	-51.8054	228.534	-2.67412	-2.43968	-5.7746	3.79754	33.0479	-49.0049
PTPN3	0.217864	-0.260618	-3.83703	1 down vs 2	1.89441	4342.56	13753.8	1	-6.15289	11.3742	4.58938	2.87211	-26.5672	33.0454	139.052	2.81819
PTPRC	0.415247	0.289685	-3.45203	1 down vs 2	0.765541	15.7875	123.736	1	4.71877	5.78707	6.21577	-3.7527	2.58412	-3.23004	8.8179	2.8349
PTPRM	0.0473262	-0.331046	-3.02073	1 down vs 2	6.18734	142.511	138.196	1	-3.24471	3.49951	4.61191	2.15133	-5.4115	4.78097	15.7953	4.06146
PWRN1	0.358814	-0.179817	-5.56121	1 down vs 2	0.987105	8023.81	48771.8	1	-37.808	27.0829	2.08029	12.1345	-4.23721	249.148	3.57477	-4.65285
PWWP2	0.0318091	-0.947307	-1.05562	1 down vs 2	7.75323	404.931	313.365	1	-15.8778	4.46622	7.98085	-2.95037	-2.61889	2.34269	3.36471	19.5789
RAPH1	0.0105149	-0.423143	-2.36327	1 down vs 2	13.4333	247.693	110.633	1	-4.59778	5.28616	10.2178	-3.45438	-2.20001	1.7326	15.4901	7.65436
RARB	0.524282	-0.113159	-8.83714	1 down vs 2	0.456851	12897.1	169383	1	-16.6477	5.7823	2.53525	-5.36408	-3.28106	435.998	10.6009	-82.389
RARB	0.351911	-0.295316	-3.3862	1 down vs 2	1.01812	8566.93	50486.8	1	-45.0553	4.20787	4.82102	2.17975	-3.35667	250.422	3.54852	-2.08017
RASAL2	0.0213445	-0.818261	-1.2221	1 down vs 2	9.55791	330.786	207.652	1	-7.80166	15.1395	3.43208	-3.42769	-6.70269	1.14417	14.7505	2.05844
RBM19	0.49677	0.0278612	-35.8922	1 down vs 2	0.523017	21565.6	247399	1	2.74706	554.907	-14.9909	-2.18165	8.65548	3.7104	4.00158	3.96931
RBMY1A1	0.00410226	-0.54083	-1.84901	1 down vs 2	20.2535	97.4227	28.8611	1	-2.57064	2.63437	6.02432	-2.70243	-2.31719	3.09176	8.79255	2.84778
RCCD1	0.247335	-0.0953044	-10.4927	1 down vs 2	1.64206	3176.67	11607.4	1	-9.01178	19.9964	105.777	2.19361	-3.92629	1.99616	81.0795	-20.9518
REEP1	0.177056	-0.55751	-1.79369	1 down vs 2	2.3388	345.257	885.727	1	-10.1633	7.19103	2.74903	2.22983	-6.63835	4.95402	32.8943	-4.22621
RERG	0.466912	-0.0816893	-12.2415	1 down vs 2	0.603064	4555.31	45321.7	1	-2.86417	-3.86327	3.89742	-2.93283	-5.37015	5.02127	235.545	-12.7625
RFC3	0.0750273	-0.480053	-2.0831	1 down vs 2	4.62578	1610.06	2088.37	1	-35.4561	43.2615	6.26034	3.05813	3.88432	27.4676	19.0793	2.92612
RFPL3S	0.142671	-0.108724	-9.19763	1 down vs 2	2.84432	100.048	211.049	1	-2.17067	15.7763	2.3828	4.81805	-4.79633	1.88156	10.7728	2.1286
RFWD2	0.287458	-0.253831	-3.93963	1 down vs 2	1.36208	12.4473	54.8308	1	-2.42603	3.89358	2.43556	3.78308	-2.92187	-2.4831	3.44326	2.98538
RFX2	0.349746	0.0174556	-57.2883	1 down vs 2	1.02805	1585.75	9254.96	1	3.00051	-3.66848	2.51387	4.70613	-6.15668	35.0495	110.945	3.15099
RFX3	0.333401	-0.28454	-3.51445	1 down vs 2	1.10626	5273.16	28600	1	-2.53702	189.807	5.75438	3.81546	-36.5197	2.30446	10.5895	-2.03266
RGPD1	0.272772	-0.523557	-1.91001	1 down vs 2	1.4574	84.8913	349.491	1	-7.13484	3.0175	4.93086	2.64036	-2.44229	-8.48122	15.6746	6.94046
RGS17	0.0428797	-0.606847	-1.64786	1 down vs 2	6.55617	468.608	428.856	1	-8.54339	6.75669	2.59689	-4.57613	-4.79192	3.32977	27.5535	8.95574
RGS22	0.309545	-0.0157726	-63.4011	1 down vs 2	1.23181	17664.6	86042	1	-4.7616	352.609	22.2252	2.91886	-2.67873	27.2022	78.0523	-2.3121
RGS9	0.0852084	0.183403	-5.45246	1 down vs 2	4.23829	430.731	609.771	1	4.28059	12.852	13.1738	11.9515	-6.01979	28.8744	30.7595	7.14389
RNASEL	0.000238085	-0.943247	-1.06017	1 down vs 2	60.4687	123.539	12.2582	1	-4.69661	5.89912	4.37835	-2.16941	-4.95406	2.11291	4.59807	3.897
RNF150	0.103544	-0.216171	-4.62596	1 down vs 2	3.67897	144.602	235.83	1	-2.04119	2.11117	2.08265	2.19185	-4.83352	10.742	18.4352	2.73351
RNF183	0.530634	-0.0862367	-11.596	1 down vs 2	0.442519	870.811	11807.1	1	-4.58669	4.84413	-116.771	4.5036	5.21584	4.68637	2.96758	5.07403
RNF19A	0.237157	-0.378668	-2.64083	1 down vs 2	1.72401	1031.77	3590.83	1	6.96121	67.7108	5.93286	-6.21471	-20.0756	1.33015	4.86106	5.24002
RNFT1	0.0846944	-0.99637	-1.00364	1 down vs 2	4.25631	671.151	946.103	1	-23.2488	14.4552	3.26259	-2.57171	-2.50713	3.51998	29.4354	-3.28845
ROR2	0.885819	0.855435	-1.169	1 down vs 2	0.0224448	1189.35	317939	1	5.58017	540.761	52.8491	437.081	4.43169	23.5138	219.77	34.1892
RORB	0.178935	-0.519446	-1.92513	1 down vs 2	2.31521	704.314	1825.27	1	-2.26208	2.24565	9.89104	-2.20039	-15.4149	13.7792	46.4391	-8.57752

Gene ID	p-value (1 vs. 2)	MeanRatio (1 vs. 2)	FoldChange (1 vs. 2)	FoldChange (1 vs. 2)	F(Gene Group)	SS(Gene Group)	SS(Error)	F(Error)	FoldChange (106 vs. n)	FoldChange (111 vs. n)	FoldChange (112 vs. n)	FoldChange (121 vs. n)	FoldChange (347 vs. n)	FoldChange (353 vs. n)	FoldChange (537 vs. n)	FoldChange (563 vs. n)
RPESP	0.764128	0.600283	-1.66588	1 down vs 2	0.0986165	4202.54	255690	1	-27.3451	23.6203	21.0199	238.543	2.09707	1.43179	14.9893	531.145
RPL13AP3	0.35299	-0.0846323	-11.8158	1 down vs 2	1.01321	195.848	1159.77	1	2.2484	2.3035	2.45129	2.69169	-2.54769	3.96859	-27.2558	-28.5812
RPRML	0.483886	0.00552696	-180.931	1 down vs 2	0.556444	1.14E+08	1.23E+09	1	-80.0333	-4.20937	-4.03025	-8.04305	-41.8152	-1.18963	5.33283	-39165
RPS27L	0.000773917	-0.848295	-1.17884	1 down vs 2	39.1352	82.0237	12.5754	1	-2.85462	5.60121	2.18194	-3.28947	-2.96271	1.57599	3.40809	5.12514
RSHL1	0.406249	-0.455252	-2.19659	1 down vs 2	0.797438	281.574	2118.59	1	-17.2973	-2.00029	46.3606	3.265	2.53143	1.48081	-6.25552	2.51884
RSHL3	0.690918	0.0979031	-10.2142	1 down vs 2	0.174213	235.225	8101.32	1	-3.01819	-3.57427	4.12888	8.7378	-2.07286	3.06591	88.5546	-30.0942
RUNX1	0.361563	-0.124363	-8.04095	1 down vs 2	0.975019	10139.7	62396.7	1	-2.62382	287.464	9.35158	-24.0258	2.24804	1.49053	3.0232	25.6906
S100A3	0.225261	0.0308655	-32.3986	1 down vs 2	1.82657	522.637	1716.78	1	18.2644	34.121	32.1742	3.48918	-20.1584	-1.29688	14.096	7.04178
S100A4	0.087914	-0.433784	-2.3053	1 down vs 2	4.14584	1092.86	1581.62	1	2.88813	2.4733	8.24673	-22.1823	-2.61835	2.25496	31.3091	39.9073
SASH3	0.407159	-0.0824857	-12.1233	1 down vs 2	0.79416	2018.23	15248	1	2.85035	140.224	2.46338	-7.55019	-2.80018	-3.34889	2.08327	10.1201
SCARA3	0.104696	0.10949	-9.13329	1 down vs 2	3.64842	123.159	202.542	1	3.03997	10.2066	2.93351	2.39831	-2.44885	9.0621	19.7836	3.51972
SCARA3	0.0955245	0.0747547	-13.3771	1 down vs 2	3.9054	129.974	199.683	1	2.38462	5.18331	2.40097	2.04888	-2.41546	8.0131	20.2342	9.16091
SCN2A	0.0719138	-0.830955	-1.20343	1 down vs 2	4.75888	437.171	551.185	1	-12.2758	15.5572	-4.19454	-3.30231	-5.21149	13.1853	20.2735	-3.12325
SCN9A	0.102871	0.0255746	-39.1012	1 down vs 2	3.69702	211.742	343.643	1	2.25625	2.95462	6.05761	2.04079	-3.46031	9.7528	26.1662	9.59741
SDR16C5	0.465145	-0.404662	-2.4712	1 down vs 2	0.608095	199.926	1972.65	1	-6.63187	2.61966	3.34958	2.80442	-5.0969	-3.20487	45.1518	-11.1598
SDR9C7	0.368747	-0.192067	-5.20651	1 down vs 2	0.944116	322.027	2046.53	1	-2.86938	8.26315	-3.80594	11.2364	-2.03242	-16.7827	-46.3411	3.69797
SEMA6C	0.225151	-0.149341	-6.69608	1 down vs 2	1.82756	488.833	1604.87	1	-7.63644	5.56615	2.86363	4.06021	-2.71784	10.6771	48.6122	2.52355
SERPINI2	0.0519829	-0.162586	-6.15061	1 down vs 2	5.8482	414.193	424.944	1	4.08089	4.96458	11.9517	3.2834	-13.5999	14.7056	24.4361	7.86332
SH2D5	0.0890075	-0.923157	-1.08324	1 down vs 2	4.10957	462.006	674.532	1	-15.4471	-2.61198	2.65402	-2.82126	-4.33668	28.1169	2.57596	10.0762
SH2D6	0.303229	-0.108921	-9.181	1 down vs 2	1.26758	120.792	571.761	1	-3.01742	4.2021	5.20349	-2.05616	2.70848	1.26466	-2.12198	27.6417
SHC3	0.130746	-0.647904	-1.54344	1 down vs 2	3.06143	851.035	1667.92	1	-19.4492	4.78439	2.13524	-2.4351	-3.24457	6.93682	47.2357	3.5493
SHF	0.395901	-0.0790181	-12.6553	1 down vs 2	0.83562	16592.7	119141	1	-9.31088	17.8831	14.9851	-2.44991	-8.9062	5.02445	395.651	2.36885
SIK1	0.0507209	-0.349007	-2.86527	1 down vs 2	5.93593	170.268	172.106	1	-7.57384	8.51146	2.78565	5.55537	-5.3777	2.74183	12.7059	8.57525
SIKE	0.226099	-0.527249	-1.89664	1 down vs 2	1.81909	970.348	3200.55	1	-18.3468	10.8107	62.6342	-2.50345	-2.71057	-2.2546	8.51162	-5.22472
SIX6	0.51987	0.0641587	-15.5863	1 down vs 2	0.467008	731.019	9391.95	1	-22.6434	2.13424	10.5042	16.1204	2.46195	-7.79901	-7.30234	-103.032
SLAMF6	0.890313	0.394926	-2.53212	1 down vs 2	0.0206988	0.908311	263.294	1	12.2255	-2.9228	2.03911	-7.86475	-2.99791	-1.35861	2.63163	5.36213
SLAMF8	0.187495	0.127978	-7.81386	1 down vs 2	2.21208	198.838	539.325	1	8.9271	14.4825	13.1801	-2.36274	-2.03041	-1.68179	6.0178	27.0475
SLC13A3	0.655283	0.226065	-4.42351	1 down vs 2	0.220439	507.039	13800.8	1	6.24871	125.545	-2.31283	-2.35483	10.5163	-11.1453	2.73178	-8.57932
SLC17A1	0.243213	-0.492462	-2.03061	1 down vs 2	1.67465	9009.24	32278.7	1	-28.3438	-3.29224	-25.069	-5.28067	-34.9929	93.0353	181.874	-14.3225
SLC17A7	0.655193	0.585155	-1.70895	1 down vs 2	0.220563	4371.72	118924	1	-165.615	-290.938	-4.72999	-12.0669	-26.6478	-9.4186	18.4058	-295.301
SLC26A10	0.326429	-0.28771	-3.47572	1 down vs 2	1.14148	9578.38	50347.3	1	-45.177	6.26092	10.2818	3.04085	-5.77136	2.65859	253.49	4.83065
SLC29A1	0.106084	-0.61715	-1.62035	1 down vs 2	3.61221	701.53	1165.26	1	-19.61	37.3093	2.512	2.23705	-4.77248	2.16269	14.8256	2.99603
SLC2A10	0.154854	-0.137745	-7.25977	1 down vs 2	2.64725	1846.34	4184.74	1	-4.05776	2.66085	3.01221	-2.44785	-4.89187	13.7136	39.7953	78.7232
SLC30A4	0.364769	0.0845327	-11.8297	1 down vs 2	0.961106	94.5644	590.347	1	-4.36457	-24.4463	-3.83168	11.6863	-9.28901	-4.20694	-2.53381	-3.76864
SLC35E1	0.00776806	-0.813228	-1.22967	1 down vs 2	15.3961	144.789	56.4256	1	-3.47148	5.17757	2.10213	-2.11846	-6.23363	2.33706	10.592	4.023
SLC47A2	0.673548	0.570689	-1.75227	1 down vs 2	0.195916	3472.41	106344	1	167.011	5.59248	67.5106	8.19499	-3.58733	54.6455	11.9121	361.542
SLCO1A2	0.20554	-0.278433	-3.59153	1 down vs 2	2.01516	1897.53	5649.75	1	2.01105	22.0296	2.39249	-17.9822	-4.81417	2.32074	89.2884	8.38739
SLN	0.00475974	-0.383762	-2.60578	1 down vs 2	19.0277	1505.69	474.789	1	-11.6148	9.31171	30.3493	-3.98102	-7.98125	22.4545	9.6665	30.6124
SLPI	0.0748888	0.295946	-3.379	1 down vs 2	4.63154	229.025	296.694	1	5.47904	27.4747	3.29505	3.81326	4.64463	16.1513	14.6517	16.9154
SMAGP	0.0275333	-0.487839	-2.04986	1 down vs 2	8.37781	345.763	247.627	1	-6.24905	7.44651	7.86684	-4.56329	-2.54532	2.45308	22.466	5.40302
SMYD2	0.229329	-0.0699077	-14.3046	1 down vs 2	1.79063	4407.02	14766.9	1	-5.45335	135.148	2.75436	2.06497	-6.11486	4.67514	81.8104	2.1784
SMYD3	0.0190121	-0.53681	-1.86286	1 down vs 2	10.1293	175.999	104.252	1	-7.93376	8.45466	4.45451	2.20969	-4.42849	2.92291	11.5152	4.17402
SNAI2	0.489954	-0.845297	-1.18302	1 down vs 2	0.540498	11.1636	123.926	1	-4.34216	4.26037	2.21434	6.44529	-5.45638	1.16487	2.75011	-3.77811
SNAI2	0.320499	0.0775503	-12.8948	1 down vs 2	1.17236	1975.71	10111.4	1	-2.70888	122.606	25.7828	13.0672	-2.17134	4.60303	20.4497	2.50827
SNORD114-3	0.770878	0.503775	-1.98501	1 down vs 2	0.0928493	32.9481	2129.14	1	-5.63412	-6.21954	-2.36697	-2.09169	-5.04132	-47.7885	12.1083	2.02847
SNORD1A	0.529057	0.194501	-5.14136	1 down vs 2	0.446044	432.996	5824.48	1	-8.25964	8.22379	-2.78028	2.24442	17.0235	1.35819	84.8349	2.69261
SNRPE	0.977476	0.918923	-1.08823	1 down vs 2	0.0008661	0.216593	1500.47	1	16.9958	2.15215	-20.4895	3.09679	-8.53622	27.2817	9.21758	2.79807
SOAT1	0.0324034	-0.291388	-3.43185	1 down vs 2	7.67536	221.715	173.319	1	-2.45357	16.1734	10.5186	-2.75707	-2.1503	-1.97858	9.10371	8.28558
SOAT2	0.632246	0.177078	-5.64723	1 down vs 2	0.253989	14.9205	352.467	1	-12.1529	3.10298	-3.54965	3.87233	10.1016	8.9435	6.32536	2.31745
SOCS2	0.100186	-0.689357	-1.45063	1 down vs 2	3.77075	994.894	1583.07	1	-12.375	3.13934	3.73358	-12.8118	-3.01209	45.4163	18.8696	-2.98206
SOCS3	0.13568	-0.295898	-3.37954	1 down vs 2	2.96837	46.9025	94.8045	1	2.05989	2.78773	5.2161	-2.87923	-2.60668	-3.32218	8.0295	6.58616
SOX12	0.155808	-0.0872107	-11.4665	1 down vs 2	2.63273	130.505	297.422	1	-2.73064	11.948	-2.65321	2.85193	-2.12895	6.42428	19.2463	3.40263

Gene ID	p-value (1 vs. 2)	MeanRatio (1 vs. 2)	FoldChange (1 vs. 2)	FoldChange (1 vs. 2)	F(Gene Group)	SS(Gene Group)	SS(Error)	F(Error)	FoldChange (106 vs. n)	FoldChange (111 vs. n)	FoldChange (112 vs. n)	FoldChange (121 vs. n)	FoldChange (347 vs. n)	FoldChange (353 vs. n)	FoldChange (537 vs. n)	FoldChange (563 vs. n)
SOX18	0.00102381	-0.764151	-1.30864	1 down vs 2	35.1898	111.684	19.0426	1	-2.18073	5.71526	3.53555	-4.5163	-3.33203	1.75343	6.967	3.90283
SPINK8	0.0551551	-0.456958	-2.18838	1 down vs 2	5.63986	504.699	536.927	1	-11.6529	13.495	3.65375	-5.87279	2.08857	5.5626	28.7359	4.85668
SPO11	0.464261	-0.011543	-86.6324	1 down vs 2	0.610624	2837.32	27879.5	1	-2.0105	187.2	5.44055	4.17103	-3.49224	5.14202	-10.6856	5.18513
SPOCD1	0.454834	-0.0460234	-21.7281	1 down vs 2	0.638143	1.12E+06	1.05E+07	1	144.712	27.8044	11.9355	-244.075	-2.51875	1.71963	22.1621	3625.87
SPPL2A	0.00558161	-0.838562	-1.19252	1 down vs 2	17.7805	140.719	47.4854	1	-4.01072	6.48024	2.62144	-3.91164	-3.93135	1.14706	9.7955	3.51535
SPRY4	0.25774	-0.297873	-3.35714	1 down vs 2	1.56326	11609.3	44557.8	1	-4.08341	43.6178	2.06816	-46.5365	-3.55792	243.909	17.4856	-3.94307
SPSB1	0.505104	0.365407	-2.73667	1 down vs 2	0.502247	44.3419	529.723	1	3.10131	3.41488	2.48598	8.0967	-2.79742	1.73897	3.66579	27.0105
SRPX	0.177903	-0.310156	-3.22418	1 down vs 2	2.32812	389.51	1003.84	1	3.07592	3.88459	2.88538	-4.19813	-9.11396	7.7567	2.47864	38.0001
SSB	0.357638	-0.94251	-1.061	1 down vs 2	0.992318	134.652	814.166	1	-2.137	4.15501	-2.37698	4.62831	9.84399	-1.57881	5.86823	-27.8803
SSX1	0.34162	-0.0363277	-27.5272	1 down vs 2	1.06619	6687.39	37633.2	1	-2.16625	228.278	16.0813	-2.0884	-2.02578	3.94022	42.9344	-3.09593
ST5	0.0322518	-0.564245	-1.77228	1 down vs 2	7.69505	150.09	117.028	1	-2.62212	3.83463	2.32414	-2.08249	-4.97726	2.418	14.9846	5.03691
STAC3	0.470345	0.157693	-6.34144	1 down vs 2	0.593389	206.764	2090.67	1	4.33894	4.5506	4.46273	-3.12066	4.67964	9.90353	51.2699	-7.8512
SULF2	0.0190962	-0.10667	-9.37468	1 down vs 2	10.107	126.868	75.3144	1	-2.34963	6.10537	5.58486	2.54965	-2.57862	9.92179	12.6198	2.93252
SUSD1	0.13505	-0.162134	-6.16774	1 down vs 2	2.97999	1725.53	3474.23	1	-3.93698	67.1407	3.62963	2.89523	-11.6552	5.51351	46.5227	7.71265
SVEP1	0.172255	-0.222998	-4.48434	1 down vs 2	2.4007	464.068	1159.83	1	-3.55121	40.8503	3.73042	4.15205	-9.20656	1.94768	3.76763	14.0222
SVIL	0.014052	-0.398605	-2.50875	1 down vs 2	11.7327	199.957	102.257	1	-2.65268	5.14433	5.78198	-2.46193	-3.7149	1.35111	10.2434	14.3976
TACC3	0.46138	-0.002156	-463.813	1 down vs 2	0.618928	317997	3.08E+06	1	-4.82155	55.8824	2.17557	4.40774	-2.24418	7.54387	1980.85	8.23407
TAL2	0.0626842	-0.468521	-2.13438	1 down vs 2	5.20452	664.73	766.33	1	-4.8544	21.4907	2.57853	-3.55956	-9.60759	2.15759	32.6768	5.20432
TAP2	0.000101354	-0.871533	-1.1474	1 down vs 2	82.0966	80.7429	5.90106	1	-2.03776	4.44721	3.18786	-2.57746	-4.55245	2.71084	4.20991	2.97588
TBC1D16	0.00294855	-0.839085	-1.19177	1 down vs 2	23.2052	116.318	30.0755	1	-3.54013	2.05144	3.10691	-3.46917	-3.77143	2.6827	8.85614	4.71648
TBC1D19	0.00408029	-0.89142	-1.12181	1 down vs 2	20.2989	207.595	61.3614	1	-7.17844	6.16021	5.16489	-2.47404	-5.22479	1.86571	11.1779	3.44696
TBKBP1	0.0607723	-0.421003	-2.37528	1 down vs 2	5.30809	116.353	131.519	1	-2.85688	4.51494	2.10556	2.28552	-6.43026	4.45337	13.9621	2.68206
TCTEX1D1	0.476961	0.0083074	-120.375	1 down vs 2	0.575098	294463	3.07E+06	1	-5.43314	3.52279	9.29683	19.4174	-4.02507	20.1789	1967.15	-2.09286
TEKT2	0.329263	-0.0406603	-24.594	1 down vs 2	1.12702	2710.76	14431.5	1	-2.45189	138.378	3.05365	2.47189	-4.47685	1.58439	43.6432	-3.97285
THAP4	0.932307	0.712223	-1.40405	1 down vs 2	0.00784451	2.35227	1799.18	1	-6.31018	-5.71393	18.9592	-4.37645	2.37043	-9.51833	11.664	-34.8516
THEM4	0.0608732	-0.587476	-1.7022	1 down vs 2	5.30252	301.232	340.856	1	-11.2153	8.81875	5.83801	5.09604	-7.9527	1.24079	4.64211	19.3824
THSD1	0.537246	-0.149593	-6.68482	1 down vs 2	0.427956	72.0335	1009.92	1	-3.21069	4.69738	27.2533	-5.14888	5.93991	2.42662	8.26761	-15.6866
THYN1	0.188916	-0.500495	-1.99802	1 down vs 2	2.19559	1190.03	3252.05	1	-13.3668	66.5373	2.98678	-7.64004	-4.20267	9.49136	8.80175	-3.8686
TIAM2	0.250896	-0.503244	-1.98711	1 down vs 2	1.61455	1541.4	5728.14	1	-22.4612	8.3201	2.42	-2.45818	-3.87631	6.84566	84.4484	-6.66735
TLE3	0.118108	-0.191182	-5.23061	1 down vs 2	3.32378	120.338	217.232	1	-2.26092	14.6798	2.21926	6.83277	-8.42923	3.63215	8.2991	4.79709
TLR3	0.739684	-0.880035	-1.13632	1 down vs 2	0.121143	11.6765	578.315	1	4.11238	-2.01328	6.90494	-5.50761	4.89961	2.30891	6.63061	-20.468
TMEM132C	0.482952	-0.538296	-1.85772	1 down vs 2	0.558932	149.714	1607.15	1	-4.63586	2.10826	-23.9783	2.29528	-7.04008	28.595	17.5908	4.72857
TMEM151	0.800609	0.236656	-4.22554	1 down vs 2	0.0696995	3.98639	343.164	1	-2.16285	2.59618	2.15568	4.36678	-3.56008	-1.14477	4.05913	-17.217
TMEM154	0.373887	-0.22052	-4.53474	1 down vs 2	0.922593	222.966	1450.04	1	3.66055	9.79204	4.0106	-30.9188	21.3475	8.34683	10.7927	11.7307
TMEM171	0.622159	0.214894	-4.65345	1 down vs 2	0.269647	19.2649	428.669	1	2.44768	17.0463	11.8834	2.71144	-2.52703	-5.03701	-5.70048	2.22162
TMEM43	0.00376995	-0.630161	-1.5869	1 down vs 2	20.9777	120.568	34.4847	1	-4.1521	7.23996	2.44029	-2.22372	-2.92365	1.79784	8.28048	4.83691
TMEM45A	0.118805	-0.0527026	-18.9744	1 down vs 2	3.30831	664.695	1205.5	1	-2.98344	15.3051	15.1984	4.03591	-3.88033	4.14245	7.58644	47.1959
TMEM60	0.000670856	-0.874839	-1.14307	1 down vs 2	41.2971	105.711	15.3586	1	-4.51462	6.07674	2.91173	-2.18889	-3.80751	1.84198	5.50498	3.68925
TMEM71	0.187581	-0.155188	-6.4438	1 down vs 2	2.21106	1846.92	5011.84	1	2.01558	8.93732	88.163	-16.7157	2.05132	19.7414	14.2626	4.73962
TMEM81	0.819627	0.692809	-1.4434	1 down vs 2	0.0567556	12.0207	1270.78	1	-8.83177	-4.47105	2.22903	-5.33341	-2.9661	2.88184	-2.43276	-39.4192
TMPRSS5	0.873888	0.381198	-2.62331	1 down vs 2	0.0274334	1.39413	304.913	1	2.48246	3.43063	-9.57373	5.16375	-9.23978	-8.17364	3.79102	3.55834
TNC	0.0887772	-0.228096	-4.38413	1 down vs 2	4.11715	500.155	728.885	1	-2.2164	11.8681	3.56393	-3.61747	-3.26647	2.69217	12.3223	36.0486
TNFRSF1A	0.0521974	-0.213812	-4.67701	1 down vs 2	5.83357	46.2855	47.606	1	3.02005	2.95682	2.40845	-2.51681	-3.12881	1.88039	5.39358	7.82712
TNPO1	0.417332	-0.0455981	-21.9307	1 down vs 2	0.758315	3131.6	24778.1	1	-3.51466	2.31052	-6.25363	-6.31771	4.48567	178.999	4.65915	15.7134
TRADD	0.667702	0.379964	-2.63183	1 down vs 2	0.203571	194644	5.74E+06	1	-609.96	4.54031	3.15941	20.4143	-2.7876	-2613.7	3.2795	4.52159
TREM1	0.14178	-0.0313341	-31.9141	1 down vs 2	2.85965	212.685	446.248	1	2.55927	2.17863	13.1554	4.60856	-8.13858	3.29175	7.77708	25.2315
TRERF1	0.0726757	-0.240984	-4.14966	1 down vs 2	4.72559	177.736	225.668	1	-5.14654	13.1448	3.54429	2.50278	-3.02816	2.33347	17.4277	2.77726
TRIM36	0.250547	0.0212794	-46.9937	1 down vs 2	1.61722	381.845	1416.67	1	-5.0702	45.662	3.57053	8.73705	-2.73603	6.60448	14.9915	2.07598
TRIM59	0.887353	0.846206	-1.18175	1 down vs 2	0.0218409	5.76292	1583.16	1	-7.47887	-10.8179	-6.46985	-6.97444	-14.4853	-44.4991	-2.45801	7.24806
TRNP1	0.180794	-0.815914	-1.22562	1 down vs 2	2.29223	1064.47	2786.3	1	-17.5277	2.54153	4.0284	-8.94333	-5.64612	3.67944	59.3285	-3.97223
TSPAN4	0.0351398	-0.462163	-2.16374	1 down vs 2	7.34018	538.576	440.242	1	-6.91635	9.46292	3.68913	-3.41161	-5.74307	3.95494	11.6911	29.1577
TSPAN4	0.178072	-0.238156	-4.19893	1 down vs 2	2.326	1238.1	3193.72	1	-5.43616	17.5342	6.14258	-3.18139	-6.21052	5.86842	70.3399	3.88483

Gene ID	p-value (1 vs. 2)	MeanRatio (1 vs. 2)	FoldChange (1 vs. 2)	FoldChange (1 vs. 2)	F(Gene Group)	SS(Gene Group)	SS(Error)	F(Error)	FoldChange (106 vs. n)	FoldChange (111 vs. n)	FoldChange (112 vs. n)	FoldChange (121 vs. n)	FoldChange (347 vs. n)	FoldChange (353 vs. n)	FoldChange (537 vs. n)	FoldChange (563 vs. n)
TTC21A	0.0115838	-0.0681593	-14.6715	1 down vs 2	12.8468	109.443	51.1147	1	-2.85833	8.43325	3.00655	3.9069	-2.5111	7.81219	8.69772	7.81281
TTC9B	0.846717	0.704149	-1.42015	1 down vs 2	0.0407363	158.476	23341.7	1	-50.3113	4.33946	-3.74699	-4.33048	-11.0019	1.40383	6.51405	-163.884
TTR	0.465795	-0.0833247	-12.0012	1 down vs 2	0.606242	67471	667763	1	31.5576	-2.71675	-2.55105	10.8048	-86.1342	-16.1633	-4.64261	901.6
TXNDC17	0.000728168	-0.975231	-1.0254	1 down vs 2	40.0444	95.0226	14.2376	1	-3.27736	5.07333	2.92488	-2.38719	-4.87989	1.04567	4.09003	4.88651
UCN3	0.415665	-0.128292	-7.79472	1 down vs 2	0.764087	657.063	5159.6	1	-9.01128	4.2846	-2.27667	5.92584	-3.30017	79.854	-2.73439	3.82917
UHRF1	0.99272	0.945275	-1.05789	1 down vs 2	9.05E-05	0.0242383	1607.79	1	-3.69375	14.1967	-21.536	-2.23273	11.8182	-7.15651	27.5495	-2.66567
USP36	0.0106362	-0.767723	-1.30255	1 down vs 2	13.3627	244.015	109.565	1	-6.36817	6.27842	2.50587	-2.6079	-5.88737	2.84115	14.9368	5.70514
USP6	0.496248	-0.180069	-5.55343	1 down vs 2	0.524339	384945	4.40E+06	1	-186.917	2238.74	7.44803	-2.43461	-18.0687	1.59082	2.36829	-330.323
USP6NL	0.0271983	-0.684341	-1.46126	1 down vs 2	8.43222	196.101	139.537	1	-6.14038	10.2166	2.3732	-3.75999	-2.56495	1.33486	14.1503	2.28349
VAV3	0.489591	-0.0830478	-12.0413	1 down vs 2	0.541442	1941.31	21512.7	1	-4.27761	2.72518	4.20217	-5.33001	2.20563	2.90481	159.464	-20.7473
VCAM1	0.398508	-0.0470197	-21.2677	1 down vs 2	0.825846	3846.81	27948.2	1	-3.15756	9.85219	8.0275	2.2479	-5.19268	2.5627	192.607	3.25491
VEGFA	0.325716	0.293144	-3.41129	1 down vs 2	1.14514	450.47	2360.25	1	-2.02423	23.9946	5.59711	2.80422	18.5043	12.0552	6.88519	61.1085
VENTXP1	0.757104	0.449768	-2.22337	1 down vs 2	0.104824	4.35176	249.09	1	-2.63174	4.93929	-5.72671	2.16032	-3.26448	-1.10291	-14.3425	2.38902
WBSCR19	0.167393	-0.499552	-2.00179	1 down vs 2	2.46593	4243.13	10324.2	1	-3.27487	17.0339	109.701	-27.5301	-16.7376	-22.7788	8.31109	46.3502
WDR55	0.158799	-0.477358	-2.09486	1 down vs 2	2.58803	464.649	1077.23	1	-5.12674	4.80967	2.95259	-2.99429	-7.13853	1.12828	4.61375	39.7735
WDR90	0.0155605	-0.568325	-1.75956	1 down vs 2	11.1733	121.193	65.0798	1	-7.37287	4.47445	2.44528	2.74099	-4.10829	6.04703	6.79254	5.87209
WEE1	0.131557	-0.123528	-8.09533	1 down vs 2	3.0458	2143.4	4222.35	1	-6.12748	49.3784	11.6813	-2.69942	-2.32514	7.35078	78.0837	3.97152
WFDC10A	0.88958	0.419299	-2.38493	1 down vs 2	0.0209788	1.86525	533.469	1	-3.86561	2.59175	-18.2671	9.64522	-7.94014	-1.30182	5.0511	3.3382
WNT8A	0.47976	0.0200357	-49.9109	1 down vs 2	0.5675	244.372	2583.67	1	-6.05229	-2.74748	-3.28198	2.00717	3.34489	1.76203	2.43869	-56.4198
WSCD2	0.398239	-0.311024	-3.21519	1 down vs 2	0.826847	1225.16	8890.31	1	-7.89931	-2.17279	-2.89511	-2.46262	-7.83085	2.38696	103.638	-3.46832
WWP2	0.961772	0.922433	-1.08409	1 down vs 2	0.00249649	0.365189	877.685	1	-2.27466	30.2079	-4.02006	7.17978	10.8397	2.2044	2.71247	-2.65672
XPR1	0.0167318	-0.413888	-2.41611	1 down vs 2	10.7868	359.371	199.894	1	-6.27861	10.8467	5.23538	-3.08747	-2.79187	3.28264	21.0448	8.54873
YOD1	0.0586963	-0.493398	-2.02676	1 down vs 2	5.42568	71.7168	79.3082	1	-6.62217	7.4285	2.0263	3.97619	-3.48391	2.11084	4.93277	4.20798
ZBBX	0.412084	-0.084127	-11.8868	1 down vs 2	0.77662	8729.25	67440.3	1	-19.2869	5.56231	2.41591	7.52386	-4.12112	14.6317	294.327	-2.25074
ZDHHC21	0.367551	-0.237551	-4.20961	1 down vs 2	0.949193	6733.9	42566.1	1	-27.9032	9.24279	2.38222	-2.47909	-4.12798	2.51848	231.891	-3.90961
ZFYVE28	0.202402	-0.857761	-1.16583	1 down vs 2	2.04758	1473.68	4318.3	1	-3.72953	7.79726	-2.74795	2.20077	-37.304	1.11596	66.8873	2.40119
ZFYVE9	0.0978333	-0.855204	-1.16931	1 down vs 2	3.83761	1515.65	2369.68	1	-31.7325	19.6371	-2.22546	-4.93388	-2.65219	14.4532	49.0239	-4.26263
ZFYVE9	0.200259	-0.556433	-1.79716	1 down vs 2	2.07014	4382.63	12702.4	1	-40.9231	62.9214	-17.0007	-13.562	2.63251	5.17836	110.64	-6.42659
ZMYM6	0.0390989	-0.596316	-1.67696	1 down vs 2	6.91295	98.3007	85.3187	1	-2.59022	3.96361	2.52819	-2.06605	-3.45813	-1.30081	6.45436	11.0339
ZNF146	0.00120174	-0.841765	-1.18798	1 down vs 2	33.0909	77.7277	14.0935	1	-3.84549	4.66011	5.99136	-2.23581	-2.74676	1.65919	2.3372	2.8314
ZNF187	0.206987	-0.680061	-1.47046	1 down vs 2	2.00045	4605.75	13814.2	1	-60.0938	30.2338	119.307	-3.2705	3.17854	-20.3226	6.64446	11.6382
ZNF197	0.373134	-0.131043	-7.63106	1 down vs 2	0.925717	52.9227	343.017	1	-3.96672	7.01832	18.462	-2.42602	4.54612	-2.62942	3.05323	-2.41802
ZNF441	0.289365	-0.350135	-2.85604	1 down vs 2	1.35024	439.866	1954.62	1	-14.3572	36.0726	21.3504	-3.84619	6.28714	-1.9296	18.2698	-17.0411
ZNF474	0.39075	-0.088031	-11.3596	1 down vs 2	0.855246	2153.4	15107.2	1	-5.06656	2.73202	2.90225	3.20363	-6.36285	7.12974	140.829	2.14342
ZNF480	0.0228145	-0.960937	-1.04065	1 down vs 2	9.23919	57.7924	37.5309	1	-3.15654	6.50102	2.52575	-2.05248	-2.95281	-1.78084	4.23938	2.67071
ZNF556	0.0945654	-0.65885	-1.5178	1 down vs 2	3.93423	3383.68	5160.37	1	-52.9407	19.7419	12.0728	6.14164	-3.81776	3.50478	74.5733	18.1506
ZNF619	0.873096	0.322328	-3.10243	1 down vs 2	0.0277827	0.591719	127.788	1	-2.62677	2.4	-4.40343	7.17038	-3.74201	-1.41627	5.07736	2.48718
ZNF79	0.0139933	-0.808917	-1.23622	1 down vs 2	11.756	204.224	104.231	1	-4.72056	7.69805	2.95807	-2.41563	-6.86483	-1.00889	7.67471	11.5253
ZNF792	0.0144443	-0.748747	-1.33556	1 down vs 2	11.5797	241.806	125.292	1	-4.06012	3.7792	3.16113	-2.79545	-7.73132	1.67054	14.3079	9.55078
ZSWIM3	0.330133	-0.297123	-3.36561	1 down vs 2	1.12262	407.646	2178.71	1	-8.19988	3.17199	-4.21155	-9.58127	7.64864	49.0768	13.5221	-4.72255
ZYX	0.00298101	-0.620935	-1.61047	1 down vs 2	23.102	95.9548	24.9212	1	-2.48038	4.3663	2.13724	-2.64547	-3.09534	2.02367	5.60356	7.93592
A2BP1	0.74341	2.07376	2.07376	1 up vs 2	0.117541	285.326	14564.8	1	-35.198	-34.9746	-2.07032	-4.79832	-31.4767	2.31781	69.8334	-92.5486
AAA1	0.201252	-1.28875	1.28875	1 up vs 2	2.05964	21190.2	61729.6	1	-173.6	230.318	3.5258	-3.9559	-2.02385	-4.0406	5.1911	-2.75322
AAK1	0.939046	1.18743	1.18743	1 up vs 2	0.0063566	47.2173	44568.4	1	-71.1119	-2.01066	-3.6661	-5.85693	-18.4058	-2.93354	75.0017	-200.258
ABCA5	0.0859367	-1.74912	1.74912	1 up vs 2	4.21301	102.568	146.074	1	-5.7132	8.09943	-3.08468	2.15335	-10.5575	2.73335	3.59535	2.10843
ABCB9	0.0209972	8.88275	8.88275	1 up vs 2	9.63754	279.15	173.789	1	-20.6638	-2.7604	-3.64194	-6.2955	-14.2893	-6.77817	3.20958	2.23147
ABCC13	0.112831	-3.11033	3.11033	1 up vs 2	3.44514	11872	20676.1	1	-12.5957	5.24034	93.3798	-12.4956	-155.548	-1.60112	-9.24992	9.02627
ABHD11	0.27699	35.4911	35.4911	1 up vs 2	1.42924	73.5934	308.947	1	-16.6849	4.41959	-2.03724	-6.34426	3.68934	-6.46113	5.52774	-2.35716
ACE	0.128807	7.8777	7.8777	1 up vs 2	3.09935	1224.52	2370.55	1	61.3601	24.8145	-4.06264	23.2386	3.21466	2.2891	2.62075	-7.08325
ACOT11	0.671727	4.44269	4.44269	1 up vs 2	0.198281	24.1739	731.504	1	-4.35693	-2.17914	-23.6805	-4.10481	-5.43914	5.02376	11.2147	4.40629
ACSL3	0.0855285	-2.37321	2.37321	1 up vs 2	4.22714	112.181	159.229	1	-4.38466	3.30687	3.07615	-8.08933	-3.85174	-3.03857	11.5524	-3.43156
ACTL6B	0.131001	-3.99064	3.99064	1 up vs 2	3.05649	2477.96	4864.32	1	-68.9956	2.28181	3.71841	-2.31008	-15.9018	-14.044	49.0769	-4.61146

Gene ID	p-value (1 vs. 2)	MeanRatio (1 vs. 2)	FoldChange (1 vs. 2)	FoldChange (1 vs. 2)	F(Gene Group)	SS(Gene Group)	SS(Error)	F(Error)	FoldChange (106 vs. n)	FoldChange (111 vs. n)	FoldChange (112 vs. n)	FoldChange (121 vs. n)	FoldChange (347 vs. n)	FoldChange (353 vs. n)	FoldChange (537 vs. n)	FoldChange (563 vs. n)
ACVRL1	0.391973	5.53506	5.53506	1 up vs 2	0.850547	357.177	2519.63	1	2.1037	3.91719	-4.47801	-55.8309	3.19108	-15.3586	2.99831	-2.29586
ADARB1	0.0263823	-4.26921	4.26921	1 up vs 2	8.56861	1091.75	764.476	1	-30.5584	2.45741	7.39454	-3.75097	-24.3428	2.54331	18.5408	-8.0387
ADRA2C	0.981589	1.0994	1.0994	1 up vs 2	0.00057864	0.207606	2152.71	1	-3.35406	3.09022	7.56243	-4.4777	-3.2094	6.09547	11.0347	-44.521
ADRB1	0.141701	-2.33886	2.33886	1 up vs 2	2.86102	239.256	501.757	1	-11.7555	7.85382	4.14799	-5.46771	-6.51556	4.03816	15.2825	-14.4063
AGAP11	0.93481	-4.63895	4.63895	1 up vs 2	0.00727331	0.384383	317.091	1	-13.0114	-2.00858	2.97485	9.08553	2.80843	1.13021	3.74654	-5.44155
AGBL2	0.823411	1.69049	1.69049	1 up vs 2	0.0543493	33.3894	3686.09	1	-3.86895	-56.5386	6.28418	-24.5851	-2.54022	-1.11589	17.9321	2.88066
AGGF1	0.00488487	-1.39019	1.39019	1 up vs 2	18.82	161.466	51.4772	1	-9.95794	4.70726	3.07916	-2.19146	-4.04272	2.19248	7.26543	2.16801
AGXT2L1	0.327049	4.00746	4.00746	1 up vs 2	1.1383	1548.71	8163.28	1	-5.94273	-40.4131	-4.83448	-2.68627	-106.259	-2.22397	3.34849	-3.65783
AJAP1	0.273365	3.48523	3.48523	1 up vs 2	1.4534	175.572	724.806	1	-14.8864	2.49065	-3.89473	2.52935	-28.3541	-4.54152	2.9259	-16.4487
AKAP2	0.751442	11.835	11.835	1 up vs 2	0.109982	45.6402	2489.86	1	-4.26691	28.4995	4.50867	-19.3497	7.44945	-3.81771	4.11199	-35.5792
ALAS1	0.0713917	-2.96327	2.96327	1 up vs 2	4.78197	68.5006	85.9485	1	-7.17778	2.58549	2.77424	-2.31907	-4.06083	3.95865	4.34841	-6.04139
ALDH1A3	0.209493	-1049.46	1049.46	1 up vs 2	1.97532	980352	2.98E+06	1	-2131.34	7.27037	2.21782	-15.9252	-19.93	4.20442	-4.75004	-5.50081
ANXA13	0.434428	-23.5051	23.5051	1 up vs 2	0.701304	24.1085	206.26	1	-3.94508	2.61315	4.34505	3.63451	-10.0078	-4.88847	4.91784	-6.25593
AP1S1	0.024618	-2.17017	2.17017	1 up vs 2	8.8839	373.087	251.975	1	-18.2307	7.97815	2.97518	-2.81392	-7.9246	1.91533	12.0203	-2.64091
AP1S2	0.00213179	-1.037	1.037	1 up vs 2	26.4405	126.6	28.7286	1	-2.13535	4.99793	3.48126	-6.57109	-3.84299	1.93434	7.29142	2.46456
AP2A1	0.232068	32.1824	32.1824	1 up vs 2	1.76695	234221	795338	1	2.22338	-17.8359	-4.07331	-3.81739	-1092.72	-27.1041	-3.89175	-3.76739
AQP2	0.313735	-1.2271	1.2271	1 up vs 2	1.2087	60.7049	301.341	1	-11.9154	12.3067	-3.56708	-2.17327	4.68338	2.0751	4.47454	-2.5148
AQP6	0.0189885	-3.04249	3.04249	1 up vs 2	10.1355	215.151	127.365	1	12.2259	-7.00702	2.39399	6.55542	5.40515	2.01938	-2.15543	-8.50019
ARAP2	0.124674	3.79491	3.79491	1 up vs 2	3.18287	58.8396	110.918	1	-4.83864	-2.59009	-2.61625	-3.87657	-14.1034	-4.11767	3.92144	-4.61901
ARHGAP20	0.0265261	-6.87453	6.87453	1 up vs 2	8.54417	585.419	411.101	1	-29.0448	5.26352	2.68969	-3.37795	-13.855	1.52528	6.54506	-4.80394
ARHGAP24	0.122774	-9.77452	9.77452	1 up vs 2	3.22257	51.4431	95.7801	1	-2.53984	-2.92909	2.85871	-2.15216	-9.56347	-4.53872	3.63696	3.40286
ARID2	0.0578681	-1.23855	1.23855	1 up vs 2	5.47417	3202.17	3509.76	1	-10.0578	53.1372	2.7437	-2.17735	-56.3595	2.47454	10.4012	23.5482
ARL6IP1	0.0530197	-4.83607	4.83607	1 up vs 2	5.77825	181.291	188.249	1	-16.371	3.80324	-2.44778	-2.5985	-5.475	2.84461	7.56249	-3.3382
ARSB	0.00352072	-2.83654	2.83654	1 up vs 2	21.5794	271.256	75.4208	1	-8.46039	4.11799	3.22181	-3.13088	-15.0871	1.54458	3.28189	3.50913
ART3	0.733835	1.26213	1.26213	1 up vs 2	0.126925	5.99672	283.477	1	-2.12701	-3.12788	-14.7057	-3.8306	-19.8746	-6.57623	-2.84041	-6.86164
ATCAY	0.1927	-19.6098	19.6098	1 up vs 2	2.15257	27090.9	75512.2	1	-336.519	13.3949	3.37797	-4.15191	-2.43766	2.82771	31.3389	-21.7782
ATG3	0.0638078	10.5808	10.5808	1 up vs 2	5.14564	55.727	64.9798	1	-8.17529	2.90956	-2.33745	-7.57315	-2.31374	-1.44344	2.74434	-4.71812
ATP5G2	0.145109	-5.20822	5.20822	1 up vs 2	2.80304	316.852	678.232	1	-28.4733	12.7735	-4.1664	2.53977	-6.78327	1.28279	2.67982	-2.1001
ATP6V1B1	0.164132	-46.2536	46.2536	1 up vs 2	2.51121	10698.4	25561.6	1	-15.5395	4.19583	-4.00474	-204.058	-2.21751	-2.16093	4.26375	5.6988
ATP8B2	0.163363	-1.37879	1.37879	1 up vs 2	2.52206	325.437	774.217	1	-7.71428	8.45225	2.08483	-12.3674	-2.8268	-3.58862	27.3753	-6.63229
ATP8B4	0.00387814	-1.95527	1.95527	1 up vs 2	20.7328	65.5304	18.9642	1	-3.17884	2.45694	3.56211	-4.27571	-4.2796	-1.60757	3.57976	2.01092
ATRX	0.0538843	-3.28509	3.28509	1 up vs 2	5.72132	167.17	175.313	1	-11.5584	7.49898	3.75454	-7.27943	-2.87856	-2.27403	7.51287	-5.47472
B4GALT6	0.730457	1.96978	1.96978	1 up vs 2	0.130334	283.92	13070.4	1	-68.0451	12.3745	5.87118	-4.40883	-2.52915	2.08823	18.9065	-102.685
BCAP29	0.0245468	-2.85453	2.85453	1 up vs 2	8.89724	80.5224	54.3016	1	-5.48168	3.59114	3.50362	-3.48129	-5.59639	-2.11063	5.6387	-2.1221
BCKDHB	0.0805162	-9.69734	9.69734	1 up vs 2	4.40855	399.219	543.334	1	-30.4492	8.20298	-4.13482	-6.36466	-2.86901	1.74609	3.12149	-2.11551
BCL11B	0.615512	2.82448	2.82448	1 up vs 2	0.280301	1345.67	28804.8	1	-110.898	7.5882	2.08043	-6.91332	-6.60818	40.9598	19.2783	-143.324
BCL7A	0.158973	-1.30391	1.30391	1 up vs 2	2.58546	147.923	343.281	1	-12.81	3.90161	2.539	2.70846	-4.97916	3.22578	15.2675	-5.65768
BCMO1	0.0350285	-20.0946	20.0946	1 up vs 2	7.35312	149.197	121.742	1	-2.81118	4.58692	-4.1646	-13.9338	-8.74731	2.16674	2.72025	-3.19495
BDH1	0.032645	-2.19276	2.19276	1 up vs 2	7.64426	70.471	55.3129	1	-7.36757	2.04317	-3.57658	-2.52172	-2.74209	3.47906	3.37947	4.27569
BDNF	0.0660727	-4.06956	4.06956	1 up vs 2	5.03111	2148.26	2561.97	1	-59.07	6.22739	14.9472	-18.7216	-3.72404	-11.936	27.0728	-2.92707
BMP1	0.642303	3.05161	3.05161	1 up vs 2	0.238973	15.8575	398.141	1	-18.5713	-2.42653	3.09427	8.60625	-3.01187	-3.29014	-2.10447	-2.36059
BMP10	0.646261	-37.6679	37.6679	1 up vs 2	0.23322	5.21654	134.205	1	2.22595	3.17393	-2.54012	-3.95644	-3.14404	-8.08811	3.45873	4.21125
BMP2K	0.0651012	-3.81223	3.81223	1 up vs 2	5.07957	699.751	826.548	1	-4.46932	12.9651	3.3696	-5.83717	-35.6054	-2.39281	9.54606	-3.41576
BMP5	0.21301	-118.375	118.375	1 up vs 2	1.94076	6.49E+07	2.01E+08	1	-17405.5	42.0935	45.2157	-106.245	3.0936	-1.124	153.916	6.4125
BPNT1	0.00772902	-1.32799	1.32799	1 up vs 2	15.4305	134.403	52.2613	1	-5.54581	4.15924	2.64164	-2.08655	-6.85664	-1.27469	5.98733	6.67063
BRUNOL4	0.22334	14.313	14.313	1 up vs 2	1.84388	3034.94	9875.73	1	-101.926	-8.46381	-2.11676	-17.8288	-10.008	-1.09984	46.4725	-49.9022
BTBD16	0.368437	3.58095	3.58095	1 up vs 2	0.945428	767.218	4869.02	1	19.521	-3.49113	-8.88883	-25.9468	-77.7716	-17.132	-6.41613	-3.25955
BTF3L1	0.769717	1.53226	1.53226	1 up vs 2	0.0938276	17.0362	1089.41	1	18.7685	-2.60625	-5.41944	-4.69123	11.9552	30.0387	3.40414	2.89884
BUB1B	0.98658	1.15435	1.15435	1 up vs 2	0.00030741	0.165107	3222.53	1	-6.0465	25.1891	2.72413	3.46248	-4.07391	6.40242	5.81062	-49.7391
BZRAP1	0.125979	-3.98331	3.98331	1 up vs 2	3.15608	183.448	348.751	1	-8.33528	-4.26683	-2.53549	-2.05211	-13.332	4.81652	15.5935	-3.68322
BZW1	0.166337	-12.4058	12.4058	1 up vs 2	2.48045	6058.29	14654.5	1	-151.285	10.2584	3.36777	-2.90105	-3.62149	1.85519	3.29312	2.42624
C10orf59	0.554248	2.49018	2.49018	1 up vs 2	0.392117	34.0973	521.742	1	-9.80421	2.89056	2.31375	-3.70873	-7.86536	-1.34184	4.38101	-22.5519

Gene ID	p-value (1 vs. 2)	MeanRatio (1 vs. 2)	FoldChange (1 vs. 2)	FoldChange (1 vs. 2)	F(Gene Group)	SS(Gene Group)	SS(Error)	F(Error)	FoldChange (106 vs. n)	FoldChange (111 vs. n)	FoldChange (112 vs. n)	FoldChange (121 vs. n)	FoldChange (347 vs. n)	FoldChange (353 vs. n)	FoldChange (537 vs. n)	FoldChange (563 vs. n)
C10orf61	0.000228888	-1.64987	1.64987	1 up vs 2	61.3366	199.488	19.5141	1	-5.3346	3.59077	3.31252	-4.28356	-9.64839	4.56027	5.10701	2.89213
C10orf99	0.24425	-3.4966	3.4966	1 up vs 2	1.66637	49.3633	177.739	1	-4.9868	8.00605	2.43532	-3.62734	-3.35559	-2.76533	6.19472	-8.16534
C12orf39	0.673873	1.38916	1.38916	1 up vs 2	0.195496	2.54045	77.9694	1	-2.01687	-2.58932	-4.13717	-2.4253	-8.02313	-8.18035	-2.1965	2.14786
C16orf75	0.171105	-6.04806	6.04806	1 up vs 2	2.4159	7485.81	18591.4	1	-163.096	33.1402	2.53406	2.57165	-2.13775	2.03867	9.35463	-2.24268
C17orf76	0.155357	-10.3179	10.3179	1 up vs 2	2.63957	2675.18	6080.94	1	-97.9603	2.08589	2.05465	-2.06334	-3.28173	2.24375	7.98351	2.31931
C19orf12	0.569041	17.5886	17.5886	1 up vs 2	0.362728	79.2672	1311.18	1	-11.1984	8.97168	4.58821	-3.08674	-6.39669	-3.55627	17.3949	-29.3583
C1GALT1C1	0.00512161	-1.72181	1.72181	1 up vs 2	18.4457	95.5847	31.0917	1	-7.00368	5.04226	2.62611	-2.97358	-3.57284	-1.22002	3.3006	3.36716
C1orf115	0.153307	6.49284	6.49284	1 up vs 2	2.67104	1192.09	2677.8	1	-55.0146	-4.97641	-3.01947	-8.02817	-26.3727	1.52194	19.0524	-35.5308
C1orf135	0.0994171	-1.64133	1.64133	1 up vs 2	3.79235	2328.11	3683.37	1	-61.5433	11.0864	2.23872	2.63721	-6.78336	6.3387	44.6929	2.34669
C1orf147	0.196419	-3.0746	3.0746	1 up vs 2	2.11146	378.131	1074.51	1	5.18158	3.00435	-3.11581	-33.2002	-4.12875	5.1659	16.4726	-4.10072
C1orf158	0.302751	8.68786	8.68786	1 up vs 2	1.27033	622691	2.94E+06	1	-2.79071	21.7168	3.16641	2029.27	-72.7504	4.47852	343.186	2.2528
C1orf183	0.072235	-2.8842	2.8842	1 up vs 2	4.74479	1258.95	1592	1	-41.0332	31.9557	-4.35444	-8.09122	-8.5985	1.232	7.26954	-2.74697
C1orf183	0.0651368	-6.1577	6.1577	1 up vs 2	5.07778	395.899	467.802	1	-24.5719	4.26066	-3.34486	-5.83899	-7.0914	2.23546	13.752	-6.75274
C1orf200	0.231673	-12.8741	12.8741	1 up vs 2	1.77034	110.558	374.702	1	-16.9701	-2.59643	-3.39183	-2.13373	-2.27227	6.05718	-7.93169	10.6301
C1orf81	0.199375	-1.98545	1.98545	1 up vs 2	2.07955	5839.31	16847.8	1	-104.641	6.72009	105.031	-4.64075	-2.05801	3.45881	3.72856	-25.4753
C20orf197	0.141528	-1.53815	1.53815	1 up vs 2	2.86401	117.362	245.87	1	2.28582	3.73746	5.28493	-14.1491	-2.52027	-1.0567	10.1183	-2.49863
C2orf52	0.154512	-75.9932	75.9932	1 up vs 2	2.65247	5992.86	13556.1	1	-149.335	15.465	-10.6861	-3.20378	-14.863	-1.12113	2.57469	-2.56104
C2orf80	0.156619	49.9752	49.9752	1 up vs 2	2.62049	27693.3	63408	1	-327.127	11.1353	3.5837	-26.3461	-18.5641	4.50992	5.00988	-36.6462
C3orf71	0.0654622	-1.40983	1.40983	1 up vs 2	5.06145	215.834	255.856	1	-6.04605	17.3598	2.21684	-2.41818	-10.3662	-2.21902	2.25437	2.64892
C6orf115	0.00017599	-1.46417	1.46417	1 up vs 2	67.4286	114.621	10.1993	1	-4.05826	4.02429	2.61567	-3.06534	-6.8135	2.66714	4.09846	2.45911
C6orf117	0.159154	-44.4653	44.4653	1 up vs 2	2.5828	29814.7	69261.4	1	-337.865	2.87831	3.83876	-10.3124	-21.8018	4.04377	10.1983	-7.09142
C6orf120	0.124962	-1.84868	1.84868	1 up vs 2	3.17692	5712.36	10788.5	1	-94.7162	85.9722	3.5771	-9.21927	-3.52456	-1.57671	4.22406	4.68306
C8orf79	0.0703542	-1.09113	1.09113	1 up vs 2	4.82854	466.419	579.577	1	-9.05073	3.55963	7.5102	-4.20666	-11.4316	1.52175	27.5601	-2.43988
C9orf23	0.0215772	-2.55331	2.55331	1 up vs 2	9.50552	53.8761	34.0073	1	-4.36541	-3.49224	2.03831	-3.71228	-3.47782	1.96199	3.61515	3.41963
C9orf36	0.638125	1.76152	1.76152	1 up vs 2	0.24514	7.53469	184.418	1	-3.13625	-2.71044	4.12709	3.27962	13.7677	3.41604	5.32487	3.00446
C9orf82	0.00710708	-2.89775	2.89775	1 up vs 2	16.0118	305.249	114.384	1	-9.87109	2.92861	-2.36299	-4.3765	-14.2098	1.44501	7.38522	6.97165
C9orf95	0.00943094	-1.67217	1.67217	1 up vs 2	14.1156	93.0292	39.5432	1	-3.86074	2.52566	2.28968	-3.11748	-6.2453	-1.0871	7.12106	2.33067
CABP1	0.317288	-8.39666	8.39666	1 up vs 2	1.18946	295.428	1490.23	1	-39.9664	6.74056	5.80645	11.2617	-4.94488	-1.41959	2.07322	-6.52148
CACNB2	0.0315614	-1.72095	1.72095	1 up vs 2	7.78626	1386.12	1068.13	1	-31.7689	4.03806	8.65047	-6.62027	-13.2013	11.2772	31.315	-5.31766
CALHM1	0.229514	29.7973	29.7973	1 up vs 2	1.78902	116.21	389.745	1	-6.30351	-2.3478	-2.34674	-14.3226	-3.81201	-8.99289	15.1603	-2.83978
CALHM2	0.00595639	-1.02883	1.02883	1 up vs 2	17.2906	80.5889	27.9652	1	-2.34112	2.55949	2.13095	-4.36099	-3.27161	1.6138	7.7456	2.10715
CALY	0.219894	49.6198	49.6198	1 up vs 2	1.87546	376415	1.20E+06	1	-1352.09	-50.0463	-2.30275	-2.12218	-17.604	-2.28761	25.9132	-17.3541
CAMK1D	0.052276	-1.66783	1.66783	1 up vs 2	5.82823	239.702	246.767	1	-9.34081	4.85099	3.13905	-2.11535	-9.74944	3.52545	15.0129	-5.33762
CAMK2A	0.850847	1.18568	1.18568	1 up vs 2	0.0385381	1008.32	156986	1	-336.474	-275.339	-25.0178	-46.7099	-61.0696	-1.84062	2.06253	-324.338
CAMK2B	0.210258	4.08152	4.08152	1 up vs 2	1.96773	293.516	894.987	1	-18.3571	-5.57005	-2.7662	-3.54835	-27.8102	3.39712	8.28932	-23.6513
CAMK2B	0.132983	11.2585	11.2585	1 up vs 2	3.01865	484.905	963.819	1	-31.6815	-3.56712	-2.02829	-5.1907	-16.0753	3.81978	13.8759	-19.9384
CAMK2B	0.120338	7.5918	7.5918	1 up vs 2	3.27473	182.519	334.414	1	-17.2122	-4.70258	-2.01757	-5.50601	-11.3709	2.50089	9.3069	-12.5714
CAMK2B	0.841562	1.33787	1.33787	1 up vs 2	0.0435696	44.9446	6189.36	1	-29.5722	-6.45598	-3.55895	-4.44776	-24.1395	3.78052	14.9984	-81.2166
CAMK2D	0.0594089	-3.08018	3.08018	1 up vs 2	5.38469	1398.02	1557.77	1	-47.1276	13.9499	3.0108	-11.6101	-3.10288	-1.11896	21.6722	-4.05241
CAMK2D	0.010892	-3.76916	3.76916	1 up vs 2	13.2176	526.243	238.883	1	-14.7442	4.85727	3.51601	-20.6806	-4.29586	1.2676	10.8175	-2.89449
CAMK2D	0.815722	2.00371	2.00371	1 up vs 2	0.0592977	2.59829	262.906	1	3.892	-4.28831	-2.32343	3.29377	-14.2358	1.88272	3.2873	-4.42243
CAMTA2	0.189762	6.94407	6.94407	1 up vs 2	2.18587	166.115	455.968	1	-3.69798	2.58277	-3.50644	-2.28643	-27.0035	-6.40364	3.09611	-3.68633
CBLL1	0.0066906	-1.41463	1.41463	1 up vs 2	16.4404	73.1274	26.6881	1	-5.45064	4.38505	2.74478	-2.32076	-3.20482	-1.29182	4.36392	2.72988
CBWD7	0.0390394	-15.3339	15.3339	1 up vs 2	6.91894	3677.38	3188.97	1	-80.6529	3.48049	3.23312	-2.27165	-41.8002	-1.67209	11.0481	-2.53306
CCDC110	0.116943	-3.28563	3.28563	1 up vs 2	3.34992	3026.33	5420.42	1	-81.5894	-8.84964	-5.43915	-7.06903	-3.7438	1.02677	24.2336	35.9003
CCDC73	0.0720251	-12.5493	12.5493	1 up vs 2	4.75399	771.664	973.915	1	-43.8802	3.29858	2.38719	-5.79793	-6.69048	1.6389	3.33159	-3.16997
CCIN	0.157498	-3.81616	3.81616	1 up vs 2	2.60733	1110.81	2556.2	1	-53.4507	5.91816	-11.9828	2.27027	-6.67795	1.49107	26.4737	3.36888
CCK	0.231613	4.39842	4.39842	1 up vs 2	1.77085	210855	714419	1	-1086.81	-323.227	-7.54644	-53.4945	-161.758	-104.891	-8.33357	-49.3842
CCNYL2	0.157943	-1.36173	1.36173	1 up vs 2	2.6007	400.977	925.083	1	8.24583	6.45334	-2.12357	-31.1123	-2.42888	10.4154	7.0806	9.13409
CCT8L1	0.016245	-18.3903	18.3903	1 up vs 2	10.9429	809.616	443.912	1	-35.2837	-2.88195	2.06874	-14.8269	-9.01348	5.44834	-3.26628	3.98941
CD14	0.0486602	-1.33686	1.33686	1 up vs 2	6.08572	252.142	248.591	1	-2.67464	9.66525	2.24266	-13.9941	-3.23324	-3.70759	3.8259	12.7857
CD2AP	0.0343696	-3.09214	3.09214	1 up vs 2	7.43088	225.066	181.727	1	-10.2264	3.54821	2.41343	-3.77573	-10.834	-1.63229	12.4303	-3.37297

Gene ID	p-value (1 vs. 2)	MeanRatio (1 vs. 2)	FoldChange (1 vs. 2)	FoldChange (1 vs. 2)	F(Gene Group)	SS(Gene Group)	SS(Error)	F(Error)	FoldChange (106 vs. n)	FoldChange (111 vs. n)	FoldChange (112 vs. n)	FoldChange (121 vs. n)	FoldChange (347 vs. n)	FoldChange (353 vs. n)	FoldChange (537 vs. n)	FoldChange (563 vs. n)
CD34	0.00111267	-1.80847	1.80847	1 up vs 2	34.0856	70.6021	12.4279	1	-2.81321	2.18437	2.47007	-6.56968	-2.47127	1.09207	2.09719	3.08099
CD36	0.27493	3.05404	3.05404	1 up vs 2	1.44291	8584.76	35697.6	1	223.302	-2.05615	8.97696	82.2249	-3.70534	117.111	30.906	9.7737
CD7	0.0436784	-1.42266	1.42266	1 up vs 2	6.4862	154.73	143.131	1	3.27954	2.87535	6.82228	-12.3561	-6.92699	1.50408	2.81376	4.73291
CD93	0.0350606	-1.75599	1.75599	1 up vs 2	7.34939	1800.72	1470.1	1	-8.57407	14.7381	6.97708	-6.95423	-43.708	-1.34249	5.09235	30.7581
CDC42	0.14921	-10.7377	10.7377	1 up vs 2	2.73574	1943.25	4261.92	1	-82.2345	7.93271	2.29607	-2.78867	-3.32819	-1.01509	6.76678	-2.2669
CDH11	1.61E-05	-1.41751	1.41751	1 up vs 2	156.125	122.34	4.70159	1	-3.74896	3.35067	3.96041	-6.13941	-4.32058	2.46478	3.91407	3.01654
CDH29	0.530452	-17.6982	17.6982	1 up vs 2	0.442924	20.6956	280.349	1	2.04748	6.36236	-4.21567	-7.00834	-4.47298	1.00788	8.22163	-10.4878
CDKL5	0.440077	2.27459	2.27459	1 up vs 2	0.683308	129.307	1135.42	1	-39.3369	-13.1326	-15.4169	-2.16647	-2.95596	-3.59636	3.14216	-3.57306
CDV3	0.00865288	-1.45234	1.45234	1 up vs 2	14.6737	58.3483	23.8583	1	-4.86048	3.88644	2.06278	-2.23116	-2.81948	-1.32574	4.38069	2.36953
CERK	0.0912242	-1.49575	1.49575	1 up vs 2	4.03788	77.2339	114.764	1	-5.33831	3.28649	2.9708	-2.3421	-3.85897	-1.2483	10.6829	-2.83393
CHAF1B	0.0864417	-2.7443	2.7443	1 up vs 2	4.19565	1134.08	1621.8	1	-49.2974	6.1345	4.88858	2.96352	-7.74205	2.64325	15.1071	4.06797
CHL1	0.0376498	-2.00739	2.00739	1 up vs 2	7.06228	718.153	610.132	1	-27.2553	10.3438	7.31005	-7.49898	-4.43537	4.94387	16.8187	-6.87865
CHRM1	0.514628	2.12963	2.12963	1 up vs 2	0.479295	1848.42	23139.2	1	-74.849	-2.01748	-4.06758	-20.4033	-82.3259	2.15119	20.7234	-155.764
CIDEB	0.794486	1.9373	1.9373	1 up vs 2	0.0741726	8.49108	686.864	1	-14.775	4.10588	3.93118	-5.66918	7.24888	-19.5864	5.18451	-4.98711
CLEC18C	0.00535375	-3.20549	3.20549	1 up vs 2	18.1005	683.135	226.447	1	-23.5426	3.82005	2.31522	-3.17212	-16.932	4.34282	6.22514	5.99049
CLEC4G	0.112447	-85.2388	85.2388	1 up vs 2	3.45426	3922.4	6813.15	1	-111.379	2.12569	3.22772	-2.61504	-21.6283	-2.20203	4.53972	-5.03929
CLEC4M	0.903609	1.36969	1.36969	1 up vs 2	0.0159556	2.13484	802.794	1	-2.17431	3.8982	2.31089	19.3517	-5.31738	19.4208	-2.17596	-9.02246
CLIP2	0.14232	-76.8308	76.8308	1 up vs 2	2.85035	55.2736	116.351	1	-7.30668	2.18311	4.65621	-2.29063	-6.48185	-7.76039	3.32104	-2.05117
CLMN	0.782962	1.42618	1.42618	1 up vs 2	0.0830026	62.0125	4482.69	1	-2.4272	-2.41342	-4.50737	-2.13843	-53.1693	-60.2594	-2.31633	2.02635
CLTB	0.315329	5.40713	5.40713	1 up vs 2	1.20003	32773.5	163864	1	-466.757	-7.86324	-2.65714	-3.26704	-16.5996	-2.87333	31.0544	-167.655
CMAH	0.0572474	-6.01161	6.01161	1 up vs 2	5.51114	43.438	47.2912	1	-2.29705	-2.84433	2.40429	-7.83614	-2.24704	-1.27366	2.94239	2.20362
CMTM4	0.605916	2.03001	2.03001	1 up vs 2	0.296161	64.7474	1311.73	1	-4.19965	-2.56668	-9.608	-2.46177	-28.0832	1.68282	10.9851	-29.019
CNKSR2	0.107053	-2.86895	2.86895	1 up vs 2	3.58734	4265.81	7134.77	1	-3.8871	36.2166	7.07652	-100.178	-2.04365	-1.58537	6.10066	13.8336
CNNM1	0.098689	-2.45567	2.45567	1 up vs 2	3.81303	385.378	606.411	1	-16.6608	-3.45928	2.35615	-2.1881	-11.7145	5.65289	22.3034	-6.10973
CNPY4	0.0629517	-1.51445	1.51445	1 up vs 2	5.19037	176.914	204.51	1	-12.7047	-2.7495	5.33187	-2.48782	-2.35896	1.12958	12.7842	2.81937
COL13A1	0.154413	-15.8008	15.8008	1 up vs 2	2.654	5248.69	11865.9	1	-3.73681	4.1026	4.00229	-138.442	-7.09896	-3.06603	7.93761	2.76935
COL1A2	0.0527302	-3.16424	3.16424	1 up vs 2	5.7976	15737.2	16286.6	1	-166.579	5.64381	52.895	-3.77991	-38.4829	9.10897	11.3911	30.9621
CPD	0.00396763	-2.03648	2.03648	1 up vs 2	20.5371	56.6573	16.5527	1	-3.54736	2.29823	2.2977	-2.81056	-4.70217	-1.39228	3.79626	2.05171
CPEB2	0.0370202	9.59386	9.59386	1 up vs 2	7.12959	62.5217	52.616	1	-6.08335	2.13286	-2.75331	-3.71551	-9.54046	-3.12984	2.99787	-2.60725
CPLX2	0.113371	-176.074	176.074	1 up vs 2	3.43235	1945.68	3401.19	1	-78.2946	-2.71119	-3.23357	-6.27184	-11.5277	-1.7882	12.0274	-3.38484
CPLX3	0.0753353	55.0953	55.0953	1 up vs 2	4.61302	1463.54	1903.57	1	-53.5169	-11.4515	-10.0619	-3.77988	-28.0678	17.1764	9.20953	-7.45486
CPN1	0.843935	1.67747	1.67747	1 up vs 2	0.0422529	2.60784	370.319	1	-8.34901	3.16642	-4.55021	7.15698	-7.56837	3.0586	-13.523	3.14423
CPNE4	0.246523	40.7751	40.7751	1 up vs 2	1.64842	76942.7	280060	1	-157.716	-4.78257	2.08885	-339.422	-125.862	-2.64916	345.893	-366.015
CREG2	0.433526	2.27425	2.27425	1 up vs 2	0.704216	16701.7	142300	1	-343.379	-12.7774	-3.88122	-84.8093	-77.1516	-7.77744	5.56789	-351.466
CRLF3	0.0174499	-1.14021	1.14021	1 up vs 2	10.5674	169.679	96.3414	1	-5.75883	6.09228	4.2423	-2.04026	-7.40509	-1.23456	10.8783	2.246
CRSP2	0.447994	-2.35079	2.35079	1 up vs 2	0.658754	27.3325	248.947	1	-4.81428	7.23955	9.99105	2.86567	-6.08715	-1.41863	-6.30673	-3.80803
CSAG3	0.00584942	-6.56345	6.56345	1 up vs 2	17.4261	302.617	104.194	1	-10.1156	2.14728	3.90279	-16.1106	-6.84723	1.69794	5.38579	-4.73542
CSF1	0.12386	-3.89931	3.89931	1 up vs 2	3.19977	86.7088	162.591	1	10.7169	-4.94125	2.0825	2.44889	3.07119	-9.34028	2.6485	2.61043
CSNK1G1	0.00412187	-1.48116	1.48116	1 up vs 2	20.2132	167.329	49.6693	1	-8.8007	5.24247	2.16126	-2.65372	-5.46374	1.57883	8.02881	2.02573
CTDP1	0.479647	-5.47815	5.47815	1 up vs 2	0.567805	19.0525	201.328	1	6.54014	-5.11822	-4.44488	4.03419	-2.48747	1.4691	9.71328	-4.07962
CTSL1	0.00283216	-1.00452	1.00452	1 up vs 2	23.5881	113.35	28.8325	1	-3.325	2.4322	3.43186	-2.32163	-6.04244	1.05325	6.17217	6.30469
CTSO	0.160595	-13.6212	13.6212	1 up vs 2	2.56176	3841.47	8997.27	1	-3.44212	3.50146	2.4325	-3.4802	-119.581	1.49495	2.76659	5.28323
CUGBP2	0.0650229	-1.03933	1.03933	1 up vs 2	5.08352	613.433	724.026	1	-11.074	4.28781	5.04621	-2.54505	-14.0357	9.19416	30.0046	-4.18559
CUGBP2	0.103338	-1.77493	1.77493	1 up vs 2	3.68447	243.066	395.823	1	-11.6783	2.56389	2.62588	-3.12213	-7.04759	1.42595	19.8186	-5.91892
CUL4B	0.135234	-3.26047	3.26047	1 up vs 2	2.9766	6485.67	13073.3	1	-121.403	68.5525	2.58703	-2.84261	-10.7814	-1.21974	15.8689	-16.7664
CUX2	0.184399	-4.16568	4.16568	1 up vs 2	2.24859	11386.1	30382	1	-170.883	-9.50402	28.0315	-3.35377	-14.287	100.385	10.2873	-53.7724
CXCL10	0.226375	-2.41775	2.41775	1 up vs 2	1.81664	378.391	1249.75	1	-3.09352	11.5197	3.89223	-3.41502	-23.6397	-20.2086	22.1611	3.41817
CYCSL1	0.0330443	-3.03667	3.03667	1 up vs 2	7.59353	143.54	113.418	1	-13.8276	4.89349	2.0674	-2.08832	-3.83017	1.20735	4.75541	-2.08607
CYFIP1	0.00870903	-1.12322	1.12322	1 up vs 2	14.6312	155.659	63.8331	1	-8.74452	7.74376	2.18132	-2.19005	-3.52575	1.77888	7.7461	2.00654
CYP26A1	0.116914	20.9602	20.9602	1 up vs 2	3.35058	11258.1	20160.3	1	-195.468	-9.18526	-4.90723	-39.5856	-9.05524	2.23453	3.29339	-10.8459
CYP4F12	0.0612419	15.2083	15.2083	1 up vs 2	5.28225	3530.66	4010.4	1	78.9845	-5.86912	-3.4964	63.116	-2.75699	3.73803	13.6471	7.25091
DBC1	0.172551	5.35277	5.35277	1 up vs 2	2.39681	297.097	743.732	1	-25.0852	-2.24576	-2.06075	-7.0692	-14.2846	9.75314	2.66789	-22.574

Gene ID	p-value (1 vs. 2)	MeanRatio (1 vs. 2)	FoldChange (1 vs. 2)	FoldChange (1 vs. 2)	F(Gene Group)	SS(Gene Group)	SS(Error)	F(Error)	FoldChange (106 vs. n)	FoldChange (111 vs. n)	FoldChange (112 vs. n)	FoldChange (121 vs. n)	FoldChange (347 vs. n)	FoldChange (353 vs. n)	FoldChange (537 vs. n)	FoldChange (563 vs. n)
DCAF6	0.0244217	-9.73192	9.73192	1 up vs 2	8.92083	4885.58	3285.96	1	-61.374	9.15619	3.66635	-2.31768	-75.1755	1.04671	16.2724	-6.35957
DDHD1	0.235549	-68.333	68.333	1 up vs 2	1.73743	1690.88	5839.25	1	-2.49797	-3.80536	-17.632	-88.3857	2.09291	-1.01136	15.1483	9.46606
DDN	0.335442	3.65739	3.65739	1 up vs 2	1.09616	60721.4	332367	1	-654.915	-15.3091	-2.76455	-47.9805	-40.1364	-1.03984	6.42587	-325.911
DEFB135	0.406114	11.4144	11.4144	1 up vs 2	0.797928	43.7941	329.309	1	-2.25702	3.79878	-2.71347	3.62956	-17.2634	-5.97526	5.61304	-3.04339
DENND4C	0.0501833	-27.5283	27.5283	1 up vs 2	5.9742	59943.9	60202.7	1	-166.057	4.90148	3.38934	-2.65866	-348.887	2.08801	18.8362	2.12259
DEPDC7	0.0323485	-6.93804	6.93804	1 up vs 2	7.68248	82.2478	64.2354	1	-8.35612	3.65143	2.34011	-3.74351	-5.26663	-3.8971	4.24139	-2.16408
DHRS7B	0.00560321	-1.61237	1.61237	1 up vs 2	17.7511	70.5725	23.854	1	-2.91981	4.02625	2.0196	-2.49522	-5.94471	-1.07113	3.29143	3.47612
DHRS9	0.104671	7.84181	7.84181	1 up vs 2	3.64908	78190.1	128564	1	-209.294	-12.8834	-3.70637	-487.044	-5.83153	-126.962	-3.49229	-2.19228
DHRS9	0.657875	1.77441	1.77441	1 up vs 2	0.216849	621.039	17183.5	1	-122.058	-3.71629	-3.70982	-11.3564	8.31283	-99.8743	-2.74913	-7.45568
DISC1	0.867903	1.31663	1.31663	1 up vs 2	0.0301301	135.805	27043.7	1	11.1211	2.56504	-136.382	-124.87	7.58197	-2.51988	-2.53109	4.47576
DLG3	0.653085	4.64771	4.64771	1 up vs 2	0.223511	280.733	7536.08	1	-32.5226	3.27705	2.40103	-2.84692	-11.4025	2.60668	45.7315	-70.7887
DLK2	0.126145	-2.47684	2.47684	1 up vs 2	3.1527	36074.7	68654.8	1	-285.918	3.25919	52.8861	-3.27672	-7.24435	1.95126	145.813	-4.43577
DLL3	0.241411	24.4198	24.4198	1 up vs 2	1.68914	53383.6	189624	1	-530.185	7.67509	-29.5015	4.88806	-2.52013	3.41334	7.38621	-24.997
DNAH14	0.125145	-1.49795	1.49795	1 up vs 2	3.17317	1821.75	3444.67	1	-54.7638	6.75766	3.1417	4.5505	-5.86296	3.49425	46.2832	2.71534
DNAJB14	0.0540245	-4.75743	4.75743	1 up vs 2	5.71221	38342.1	40273.8	1	-251.018	108.477	3.52379	-101.006	-2.4646	-1.35444	15.5508	-2.00946
DNAJC10	0.0020274	-1.38426	1.38426	1 up vs 2	26.9734	129.511	28.8086	1	-7.45773	4.71415	2.0584	-2.42063	-4.59726	1.10738	6.10111	3.44785
DNAJC3	0.0181196	-1.13483	1.13483	1 up vs 2	10.3734	85.8863	49.677	1	-3.52306	5.29308	2.62864	-5.13069	-2.13946	-1.92942	2.90492	6.95418
DNAL1	0.0296194	-1.89572	1.89572	1 up vs 2	8.05793	284.666	211.965	1	-4.90593	2.26232	3.57253	-4.33455	-14.959	-1.93616	3.2818	14.0951
DNASE1L1	0.0254337	-4.1725	4.1725	1 up vs 2	8.73447	452.591	310.9	1	-4.42466	2.04784	2.88711	-6.52345	-26.6503	1.06163	5.0109	4.01086
DNASE2B	0.302586	24.8151	24.8151	1 up vs 2	1.27129	324.568	1531.84	1	2.03373	7.39673	-13.6112	-37.8357	-5.32595	-1.20522	16.1287	-11.4713
DNCL2A	0.300964	5.06443	5.06443	1 up vs 2	1.28069	46.1135	216.04	1	-4.13419	2.23465	-12.6549	-8.0811	-6.32282	-3.9777	4.52292	3.77427
DOLK	0.0197283	-2.17025	2.17025	1 up vs 2	9.94421	238.28	143.77	1	-3.76561	4.17128	2.84594	-2.58265	-16.8033	1.24537	7.00795	2.50896
DPH3	0.0172846	-1.54294	1.54294	1 up vs 2	10.6168	143.715	81.2194	1	-9.76593	8.00445	3.17372	-2.21243	-3.95783	-1.60776	5.09939	2.54432
DPP10	0.839296	1.27214	1.27214	1 up vs 2	0.0448468	214.638	28716.2	1	-108.491	-13.4372	-6.80156	-8.60133	-32.952	2.50547	-3.41842	-175.426
DPPA3	0.107648	-129.441	129.441	1 up vs 2	3.5722	97.2791	163.394	1	-13.7459	-2.2108	4.08142	-4.74178	-2.95545	6.47311	-3.52427	-4.54336
DUOX1	0.200245	-15.5288	15.5288	1 up vs 2	2.07029	401.724	1164.25	1	-37.9734	-3.01398	-2.31736	2.46638	-5.74843	-2.88196	-2.38996	15.0311
DUSP5P	0.0946335	-1.32861	1.32861	1 up vs 2	3.93217	7999.57	12206.3	1	-111.891	57.8392	3.91775	3.63935	-3.55158	8.56737	65.6442	4.28271
E2F6	0.750037	2.11404	2.11404	1 up vs 2	0.111284	7.52417	405.675	1	-5.67307	3.19528	-19.5864	-2.14463	-3.58643	1.04813	2.70859	3.64362
EDNRB	0.411546	-1.12432	1.12432	1 up vs 2	0.778519	108.48	836.049	1	-17.0091	-3.64541	-2.62016	-10.3576	15.2895	1.74966	15.8943	6.52451
EGFLAM	0.185215	6.60694	6.60694	1 up vs 2	2.23888	187.699	503.017	1	-27.7882	3.14025	2.8606	-4.32561	-3.25547	-1.82825	-2.85175	-10.2431
EHD4	0.0108635	-1.28568	1.28568	1 up vs 2	13.2335	105.753	47.948	1	-3.01851	6.91709	2.06028	-5.91363	-3.74104	-1.74223	4.61041	4.58306
EMX2	0.00150932	4.43738	4.43738	1 up vs 2	30.2934	5505.1	1090.36	1	-56.3224	-31.5373	-3.98714	-87.1244	-66.4	-22.3359	-3.04456	-17.913
EMX2	0.588419	1.91331	1.91331	1 up vs 2	0.326601	8609.81	158171	1	-49.4463	-331.51	-8.91157	-365.046	-11.3842	-8.33722	-7.57697	-14.6406
ENTPD1	0.00595024	-1.27963	1.27963	1 up vs 2	17.2983	66.3723	23.0216	1	-2.76786	4.39828	2.99096	-3.40735	-3.84402	-1.16247	4.74868	2.07417
EPB49	0.511312	2.53909	2.53909	1 up vs 2	0.487194	73.5107	905.316	1	-8.74976	-27.3134	-2.06464	-4.8933	-17.3461	1.45403	11.7173	-4.13467
EPHA5	0.746282	2.09226	2.09226	1 up vs 2	0.114805	14.2977	747.234	1	-9.12462	-2.43934	-2.27498	-3.01709	-3.72709	11.4444	4.92892	-24.2999
EPHB6	0.133748	280.963	280.963	1 up vs 2	3.00424	433.058	864.893	1	-9.8171	-4.71595	-4.80175	-2.00436	-33.9339	7.69228	10.9057	-9.3517
EPR1	0.00709614	-2.23718	2.23718	1 up vs 2	16.0226	690.238	258.475	1	-19.1722	15.5854	8.66594	-6.31282	-14.294	3.94171	3.48249	-2.04072
ERC1	0.823473	1.4515	1.4515	1 up vs 2	0.05431	15.9583	1763.03	1	-3.30323	4.80328	3.33558	-22.7053	-2.12821	-3.86151	3.91518	-40.5002
ESCO1	0.142365	-11.7122	11.7122	1 up vs 2	2.84958	4136.21	8709.09	1	-119.194	7.11832	2.36702	-2.5871	-8.03828	-1.21046	6.93905	3.25961
EXOC6	0.00547585	-3.13747	3.13747	1 up vs 2	17.9268	244.018	81.6714	1	-11.6729	5.51758	2.41087	-4.20094	-10.0785	1.80078	6.55522	-2.49822
F8	0.000242863	-1.14729	1.14729	1 up vs 2	60.0351	76.6271	7.65823	1	-5.16023	2.39138	2.67496	-2.62918	-2.45755	3.2635	4.36898	2.18687
FAAH2	0.418146	7.40149	7.40149	1 up vs 2	0.755509	64.358	511.11	1	-5.70693	3.71123	-20.7703	-10.0319	-4.58287	3.12202	4.63333	4.72768
FAHD1	0.000800113	-2.0195	2.0195	1 up vs 2	38.6463	124.171	19.278	1	-4.42721	2.51158	2.05207	-3.62419	-8.27683	1.05354	3.32913	4.52912
FAHD1	0.0185716	-2.63323	2.63323	1 up vs 2	10.2478	215.34	126.08	1	-3.83467	3.84676	2.86118	-2.74077	-16.7258	1.10142	3.87249	3.06634
FAM103A1	0.00973786	-1.49186	1.49186	1 up vs 2	13.9121	128.803	55.5498	1	-10.5576	4.37754	2.90722	-2.20005	-2.12868	1.79379	5.2842	2.26785
FAM135A	0.0575785	-2.58031	2.58031	1 up vs 2	5.49135	252.947	276.376	1	-18.7827	7.64342	2.126	-3.23721	-3.09238	1.243	9.24952	-4.04148
FAM160B1	0.13451	-1.40514	1.40514	1 up vs 2	2.99002	1131.32	2270.19	1	-36.5432	2.19757	5.04679	-2.9242	-3.58457	1.27079	44.8924	-2.34282
FAM171B	0.105804	-4.3769	4.3769	1 up vs 2	3.61948	2440.64	4045.84	1	-74.5752	3.25886	2.24543	-3.3838	-10.1473	-1.32714	33.8417	-4.46908
FAM19A1	0.134993	-2.33243	2.33243	1 up vs 2	2.98105	5537.39	11145.2	1	-84.3295	9.24248	2.74085	-2.01777	-27.762	-1.21231	91.6442	-20.8771
FAM3C	0.039533	-1.16118	1.16118	1 up vs 2	6.86966	285.114	249.02	1	-12.4939	13.0255	2.39973	-2.7642	-4.61833	4.15556	12.4019	-3.4536
FAM40B	0.223381	-27.8116	27.8116	1 up vs 2	1.8435	740.542	2410.22	1	-2.55372	-22.7845	4.28642	-52.6626	-2.33483	2.8605	10.8634	8.22305

Gene ID	p-value (1 vs. 2)	MeanRatio (1 vs. 2)	FoldChange (1 vs. 2)	FoldChange (1 vs. 2)	F(Gene Group)	SS(Gene Group)	SS(Error)	F(Error)	FoldChange (106 vs. n)	FoldChange (111 vs. n)	FoldChange (112 vs. n)	FoldChange (121 vs. n)	FoldChange (347 vs. n)	FoldChange (353 vs. n)	FoldChange (537 vs. n)	FoldChange (563 vs. n)
FAM43B	0.226374	-2.94519	2.94519	1 up vs 2	1.81665	53.68	177.294	1	-3.85737	-4.18237	2.09484	-3.47756	-4.64825	-1.11404	12.5023	-2.51951
FAM53A	0.741794	-2.51547	2.51547	1 up vs 2	0.119095	17.3597	874.576	1	-6.36051	8.31228	-8.80809	18.404	-18.5752	-1.27949	2.21339	3.88961
FANCA	0.40114	-4.24104	4.24104	1 up vs 2	0.816084	21.3829	157.211	1	-2.28749	5.66877	-8.301	-2.84664	-3.06388	-3.15516	2.58264	6.42645
FANCD2	0.353572	58.368	58.368	1 up vs 2	1.01057	45.165	268.156	1	-12.3738	7.12387	-7.02244	-4.64994	2.04323	-4.60551	6.19188	-2.11556
FASTK	0.0809837	-2.17469	2.17469	1 up vs 2	4.39098	92.7803	126.778	1	-7.69859	3.12559	8.442	-3.5311	-3.22619	-3.16792	6.03948	-3.36026
FBLIM1	0.0142854	-2.56533	2.56533	1 up vs 2	11.641	452.169	233.057	1	-2.1112	2.23754	2.58328	-21.278	-10.1316	1.19646	6.25425	9.50657
FBXO3	0.0477614	-6.26997	6.26997	1 up vs 2	6.15377	231.066	225.292	1	-3.08148	2.75722	2.81462	-21.1637	-4.47724	2.28614	2.50798	-2.73104
FBXO34	0.0393873	-2.05413	2.05413	1 up vs 2	6.88413	301.565	262.835	1	-13.7039	4.1092	2.03032	-2.0617	-9.82331	1.91456	15.6639	-2.95583
FCAR	0.10777	-5.29727	5.29727	1 up vs 2	3.56911	1654.46	2781.29	1	-2.64561	3.71205	3.16833	-4.74296	-67.5746	1.16993	11.2336	4.30156
FCHO2	0.0455812	-1.4304	1.4304	1 up vs 2	6.32628	728.574	690.998	1	-4.79977	4.18066	9.90544	-2.07631	-27.9286	1.63701	2.67352	22.1568
FGF12	0.455362	-6.11789	6.11789	1 up vs 2	0.636576	219.238	2066.41	1	-18.6682	3.18478	-2.07439	-3.70097	-5.51314	1.50295	33.4378	-28.4553
FGF12	0.00993481	-1.50049	1.50049	1 up vs 2	13.786	472.58	205.678	1	-11.8314	6.44599	13.041	-3.55185	-13.197	7.10249	8.79877	-3.64274
FGF14	0.44508	4.13915	4.13915	1 up vs 2	0.667703	3825.61	34377.1	1	-170.774	5.43901	2.31451	-3.14543	-4.7582	14.0158	31.3575	-125.073
FGF20	0.154872	-24.4008	24.4008	1 up vs 2	2.64696	245790	557144	1	-93.7918	-2.64089	-2.61329	-951.935	2.30567	-4.09032	77.7713	2.84273
FGGY	0.00979198	-1.84276	1.84276	1 up vs 2	13.8771	418.568	180.975	1	-3.16671	2.03091	2.65419	-7.81528	-18.0738	3.98835	5.58722	12.0185
FKBP9L	0.173487	-7.06467	7.06467	1 up vs 2	2.38459	160.262	403.244	1	-23.2097	2.58975	2.19302	-3.08868	2.00203	-1.00515	5.44431	-3.49004
FLJ20397	0.0316154	-1.28873	1.28873	1 up vs 2	7.77903	459.243	354.216	1	-2.52869	3.85254	2.08931	-18.6515	-5.25664	6.97159	19.1504	2.12592
FLJ21986	0.0428551	-7.75647	7.75647	1 up vs 2	6.55835	576.311	527.246	1	-2.48249	2.825	3.53289	-32.8096	-11.297	-3.39013	2.14459	4.89845
FLJ25715	0.741641	13.5298	13.5298	1 up vs 2	0.119243	6.03098	303.463	1	4.48603	-3.26664	-8.34313	2.65396	-12.9498	3.79152	3.74321	3.35936
FLJ31568	0.478183	-3.67198	3.67198	1 up vs 2	0.57177	46.5922	488.926	1	-11.5438	-12.3769	14.821	2.70445	-2.9144	2.39489	2.78695	-2.29105
FLJ33534	0.116575	13.2979	13.2979	1 up vs 2	3.35825	313.182	559.544	1	-26.2422	-9.58822	-7.56262	-3.56521	-12.1174	2.45073	11.9	-2.45446
FLJ35776	0.088843	-4.50555	4.50555	1 up vs 2	4.11498	580.878	846.97	1	-2.88276	2.65773	4.00125	-37.2869	-3.0429	-2.38005	3.07999	8.62603
FLJ36848	0.0258408	-12.8322	12.8322	1 up vs 2	8.6623	78.2731	54.2164	1	-6.30975	3.25119	2.25223	-8.35133	-3.32087	-1.89927	2.71608	-3.98471
FLJ38377	0.082267	27.4775	27.4775	1 up vs 2	4.34347	219.889	303.751	1	-21.0157	-2.53789	2.38983	-2.02792	-10.6713	-9.03782	5.07151	2.06937
FLJ39632	0.203049	-1.33458	1.33458	1 up vs 2	2.04084	12471.2	36665	1	-185.159	54.3985	6.34649	48.7521	-3.45867	35.1371	90.7609	-11.9744
FLJ42709	0.0144438	-3.38825	3.38825	1 up vs 2	11.5799	1617.2	837.938	1	-17.4298	8.44358	2.54354	-12.5018	-38.0963	5.19319	23.4566	-6.17421
FLJ45121	0.247218	57.0799	57.0799	1 up vs 2	1.64297	1263.24	4613.23	1	-3.8867	2.20941	-14.6274	-78.8813	3.51078	-2.06394	-2.89909	15.0668
FLJ46154	0.125641	-1.99484	1.99484	1 up vs 2	3.16298	75.9384	144.051	1	-3.86787	-4.49925	2.84326	-6.75338	-2.09579	-1.03922	2.33253	10.9876
FLRT2	0.215964	7.79052	7.79052	1 up vs 2	1.91237	131.855	413.69	1	-12.7069	-2.16357	2.036	2.05573	-18.2112	4.20801	2.69988	-12.955
FNIP1	0.424255	11.4883	11.4883	1 up vs 2	0.734756	615.9	5029.43	1	-18.9889	4.69707	4.31343	76.0596	2.48543	2.04888	-4.88765	2.46837
FNIP2	0.0105302	-2.62056	2.62056	1 up vs 2	13.4243	197.526	88.2841	1	-5.72605	2.14812	3.06633	-2.05851	-14.5024	1.00753	4.11629	3.83613
FOXD1	0.54787	-2.26598	2.26598	1 up vs 2	0.405296	83.8362	1241.11	1	-5.70374	7.95456	17.0468	-12.0847	3.87038	-24.1659	13.3908	-3.98927
FOXO3	0.0951124	-5.52275	5.52275	1 up vs 2	3.91774	5140.17	7872.14	1	-12.1393	10.4527	9.13332	-115.852	-5.00325	1.19005	17.249	2.11032
FREM2	0.426763	-1.11964	1.11964	1 up vs 2	0.726383	277.04	2288.38	1	-10.0505	29.0931	-34.2874	-3.84584	-5.36595	10.913	7.78224	15.1724
FRMPD2	0.121959	-41.6427	41.6427	1 up vs 2	3.23987	1848.04	3422.43	1	-77.3629	6.52431	4.64439	-7.85614	-6.756	-1.25973	2.69322	-8.92107
FRMPD2	0.146035	4.99431	4.99431	1 up vs 2	2.78761	1449.09	3119.01	1	-71.9373	4.98289	-33.16	-23.8817	-8.46141	-3.48038	2.14639	-5.28865
FUCA1	0.00175523	-1.14235	1.14235	1 up vs 2	28.5543	229.28	48.1778	1	-4.35962	5.65614	5.47754	-3.71651	-9.61324	2.28819	9.06729	3.31933
GABBR2	0.151276	-6.02527	6.02527	1 up vs 2	2.70282	36669.3	81402.4	1	-341.856	5.91108	2.8763	-4.42818	-13.5358	20.2843	92.3927	-21.9335
GABRA5	0.304068	5.95927	5.95927	1 up vs 2	1.26277	549084	2.61E+06	1	-1897.43	9.98353	3.68446	-5.77497	-47.6074	12.757	6.07796	-578.099
GABRD	0.250418	-1.05387	1.05387	1 up vs 2	1.61821	967.508	3587.32	1	-14.1785	2.04484	-5.88228	-13.2685	-7.52031	1.1231	64.0071	-5.99296
GAD1	0.204733	-28.1412	28.1412	1 up vs 2	2.02343	1.03E+06	3.06E+06	1	-3.15797	45.6296	4.87093	-2141.5	-2.92307	3.06055	86.8784	-13.2488
GAD1	0.108696	-21.1209	21.1209	1 up vs 2	3.54584	116335	196853	1	-78.4394	13.9555	2.48376	-598.118	-36.9278	2.60611	41.1047	-3.84833
GAD2	0.0679275	-7.7084	7.7084	1 up vs 2	4.94122	58872.1	71486.9	1	-321.403	3.0425	-29.8026	-59.2811	-89.8611	-4.33623	173.032	-40.1971
GALNT9	0.026437	-7.10311	7.10311	1 up vs 2	8.55929	1305.67	915.264	1	-40.6985	12.8603	2.01299	-6.39688	-22.3005	4.48149	8.0743	-11.1461
GBA	0.0119669	-1.2265	1.2265	1 up vs 2	12.654	66.1893	31.3842	1	-3.18551	2.48255	3.42721	-2.05868	-4.57464	-1.70358	3.77303	5.36339
GCC2	0.10134	-10.4127	10.4127	1 up vs 2	3.73872	332.047	532.879	1	-29.995	2.51931	2.73327	-3.04879	-3.38089	-2.453	5.8209	-2.79033
GCET2	0.0811678	-2.41861	2.41861	1 up vs 2	4.3841	471.4	645.148	1	-2.2538	5.50624	2.16275	-28.2974	-3.10238	-3.00015	16.3057	2.21622
GCNT1	0.0193066	-2.33536	2.33536	1 up vs 2	10.0521	721.201	430.48	1	-10.353	10.5975	4.3515	-28.4993	-2.34416	1.06551	10.0257	3.3603
GDAP1	0.90949	1.25605	1.25605	1 up vs 2	0.0140575	17.1887	7336.44	1	-34.7392	16.2694	2.36114	-4.45871	-5.35959	-4.60697	10.7295	-83.8768
GGA1	0.0653746	-1.54965	1.54965	1 up vs 2	5.06584	1124.21	1331.52	1	-10.7893	33.5422	17.1092	-4.83381	-29.0244	-2.61434	5.00683	-5.02499
GGTL3	0.233447	113.765	113.765	1 up vs 2	1.75518	859919	2.94E+06	1	-30.5216	-9.17781	4.03635	-2.47899	2082.67	-2.54627	39.9623	-2.24664
GJB6	0.118581	48.2071	48.2071	1 up vs 2	3.31328	61861.5	112025	1	-452.763	-26.4926	-3.89438	-95.4067	-8.29092	-2.5337	19.7292	-6.04708

Gene ID	p-value (1 vs. 2)	MeanRatio (1 vs. 2)	FoldChange (1 vs. 2)	FoldChange (1 vs. 2)	F(Gene Group)	SS(Gene Group)	SS(Error)	F(Error)	FoldChange (106 vs. n)	FoldChange (111 vs. n)	FoldChange (112 vs. n)	FoldChange (121 vs. n)	FoldChange (347 vs. n)	FoldChange (353 vs. n)	FoldChange (537 vs. n)	FoldChange (563 vs. n)
GLRX3	0.00877127	-1.82171	1.82171	1 up vs 2	14.5845	159.984	65.8167	1	-10.3105	4.45299	4.15268	-2.60596	-4.97418	-1.0974	6.7456	2.11414
GLYCTK	0.00415096	-3.43778	3.43778	1 up vs 2	20.1539	293.669	87.4281	1	-7.5943	2.86297	2.73969	-4.54693	-16.9433	1.79879	2.26259	4.43642
GNAO1	0.533886	1.49272	1.49272	1 up vs 2	0.435311	15.1226	208.439	1	-11.6902	-10.6775	-3.45719	-2.15678	-11.9645	-3.76942	2.03991	-12.9551
GNG3	0.50804	2.33301	2.33301	1 up vs 2	0.495083	202.767	2457.37	1	-37.4732	-8.35515	-2.77308	-4.1258	-13.0022	9.58171	6.70818	-44.1679
GPAT2	0.0326173	-90.7193	90.7193	1 up vs 2	7.64782	4776.46	3747.31	1	-84.8843	-4.20391	2.6408	-3.62608	-61.2554	-6.24223	-2.94871	13.5055
GPATCH1	0.216491	-281.626	281.626	1 up vs 2	1.90737	931584	2.93E+06	1	-2100.07	12.5689	-4.13823	-2.29238	-4.77238	-1.48938	3.42495	2.1038
GPR22	0.212554	-102.191	102.191	1 up vs 2	1.94519	3.38E+06	1.04E+07	1	-3965.91	41.0117	11.0432	-8.73342	-14.3319	13.3204	13.2959	-13.6138
GPR34	0.0506036	-2.91913	2.91913	1 up vs 2	5.94423	399.231	402.976	1	-2.90866	6.7171	8.68609	-25.1177	-4.57954	-4.15638	4.50383	2.86559
GPT	0.190279	-2.7661	2.7661	1 up vs 2	2.17996	5261.52	14481.5	1	3.60383	2.10662	-6.5939	2.95934	-123.285	2.04694	4.04751	68.7217
GREM2	0.181769	69.7287	69.7287	1 up vs 2	2.2803	32257.3	84876.4	1	-369.373	4.98476	-2.5032	-15.4826	-14.3604	1.56091	15.69	-29.2746
GRIN1	0.380065	-16.8605	16.8605	1 up vs 2	0.897356	2447.32	16363.5	1	-86.3219	-3.1705	5.12124	-5.79033	-10.2036	-3.66249	83.9025	-72.0768
GRIN1	0.39322	4.05882	4.05882	1 up vs 2	0.845782	1328.7	9425.82	1	-93.1603	-2.3389	3.49408	-3.16646	-9.64245	-7.73514	26.2893	-63.2233
GRLF1	0.187434	10.8018	10.8018	1 up vs 2	2.21278	196.183	531.955	1	-26.8474	7.02978	-7.43042	-4.72081	-2.24935	-4.87188	4.61614	-4.56153
GRM1	0.209911	36.9105	36.9105	1 up vs 2	1.97116	18078.5	55029.1	1	-280.878	-5.14001	-46.0163	-2.35463	-19.5499	1.78757	60.045	-24.3482
H6PD	0.31886	81.9031	81.9031	1 up vs 2	1.18106	46.0409	233.896	1	-4.01115	-2.53605	-4.33771	15.4067	3.65415	2.05741	2.51866	2.60394
HCG4	0.000498661	-1.15838	1.15838	1 up vs 2	46.1274	86.9433	11.3091	1	-4.00309	3.12424	2.25553	-2.23189	-4.72882	1.37515	4.08539	4.93436
HCN1	0.164635	8.81363	8.81363	1 up vs 2	2.50413	715.368	1714.05	1	-54.5474	-8.23888	2.12377	-6.84229	-4.70817	-3.48383	4.40108	-7.30132
HDAC7A	0.130887	-4.08855	4.08855	1 up vs 2	3.0587	85.396	167.514	1	-3.91106	-8.78811	4.65027	-3.45538	-8.90083	1.30736	2.20805	7.25366
HECW1	0.115016	-24.1757	24.1757	1 up vs 2	3.39396	54941.2	97127.7	1	-70.1204	5.83564	2.99541	-7.56729	-415.449	19.6477	16.969	-11.451
HIGD1C	0.89018	1.28529	1.28529	1 up vs 2	0.0207494	0.511996	148.051	1	4.88942	3.66529	-2.50782	-9.65177	-2.30034	-1.86172	-3.93273	-4.52139
HIST1H4A	0.0398555	-8.1882	8.1882	1 up vs 2	6.83791	1090.73	957.077	1	2.59946	-3.16	-2.0424	21.3132	40.5693	-15.1591	3.12467	4.11186
HIST2H4B	0.143525	-4.0629	4.0629	1 up vs 2	2.82975	4096.28	8685.48	1	-113.3	9.24391	14.4321	3.0963	-2.32215	4.01479	9.36593	9.10321
HMGCLL1	0.0633832	-7.18173	7.18173	1 up vs 2	5.16772	885.686	1028.33	1	-34.9426	-4.62419	2.35524	-2.13154	-20.1586	-1.11237	21.6841	-5.02076
HNRNPCL1	0.213766	18.8923	18.8923	1 up vs 2	1.93344	42.4924	131.865	1	-4.08929	5.50939	-3.31145	-5.94603	-5.04446	-3.51353	6.19066	-6.2054
HOXA3	0.318572	-30.3648	30.3648	1 up vs 2	1.18259	2812.38	14268.9	1	-2.03368	2.1465	3.44032	23.251	-133.7	1.96461	-5.803	4.42554
HPS4	0.060471	-47.4928	47.4928	1 up vs 2	5.32482	174.397	196.51	1	-17.4845	2.52353	-5.73346	-2.26954	-8.58207	1.21727	5.65638	-2.66932
HPS4	0.0139813	-3.80466	3.80466	1 up vs 2	11.7608	1352.5	690.001	1	-35.0875	-3.43554	11.5025	-23.494	-5.22171	2.20518	15.4569	2.22052
HRH3	0.847181	1.27016	1.27016	1 up vs 2	0.0404862	1.7542	259.97	1	-12.9642	-6.05732	-10.034	2.18446	-2.86274	-4.77469	5.98222	-3.01743
13365	0.101422	-1.33465	1.33465	1 up vs 2	3.73648	792.684	1272.88	1	-26.1012	32.4568	-3.51503	-4.73544	-4.42606	1.2866	16.6279	-2.82122
13457	0.172931	20.6022	20.6022	1 up vs 2	2.39184	2628.97	6594.86	1	-102.356	-20.5933	3.86931	-4.95348	-10.7559	4.81072	10.605	-8.24292
13520	0.121653	-1.9154	1.9154	1 up vs 2	3.24639	309.974	572.897	1	-18.4384	4.67779	2.45951	-4.611	-2.29284	-1.81671	21.5286	-4.79793
13587	0.167248	-20.9879	20.9879	1 up vs 2	2.46792	8043.98	19556.5	1	-176.574	2.02024	4.79439	-5.67285	-5.31361	-1.40791	7.42042	2.06718
13689	0.756887	1.60019	1.60019	1 up vs 2	0.105019	67.9654	3883.04	1	48.3793	-2.84938	-3.13092	2.67314	-2.89687	-1.50995	52.5013	5.14499
13706	0.0811554	-2.35465	2.35465	1 up vs 2	4.38457	22904.3	31343.1	1	-202.239	4.45971	3.14181	-7.58803	-22.9062	93.68	67.249	-3.7973
13765	0.0345816	-1.30842	1.30842	1 up vs 2	7.40564	63.9438	51.8068	1	-2.51987	4.0537	-2.46532	-2.75462	-4.65558	1.08899	3.02996	6.94159
13770	0.389199	12.8023	12.8023	1 up vs 2	0.861244	6256.01	43583.5	1	-7.65737	3.08598	15.3566	-36.3707	231.999	-1.49688	3.97929	3.54605
13870	0.961858	1.25804	1.25804	1 up vs 2	0.00248532	0.196974	475.531	1	3.0859	2.60197	-19.0412	-4.1027	-3.72382	-2.00362	4.78224	7.38017
13892	0.413934	-3.60557	3.60557	1 up vs 2	0.770121	62.2892	485.294	1	2.60167	3.55142	-2.69211	5.37829	-21.5168	-1.92977	2.06599	5.26185
13931	0.177479	12.645	12.645	1 up vs 2	2.33346	20988.3	53967	1	-301.663	-5.16664	-7.32087	-2.53487	-40.4606	-34.6352	-4.19341	5.88852
14092	0.0728531	12.5634	12.5634	1 up vs 2	4.71791	3781.68	4809.34	1	-97.5272	-2.45439	-4.83091	-5.67792	-43.1758	2.68723	7.96589	-22.7868
14130	0.00780417	-4.34045	4.34045	1 up vs 2	15.3645	623.344	243.422	1	-19.8631	5.20928	3.76504	-6.86541	-17.7286	-1.61232	12.3875	-2.67863
14207	0.104307	-1.90521	1.90521	1 up vs 2	3.65867	1259.06	2064.78	1	-39.912	3.05858	3.10517	-4.61317	-6.45586	1.26367	40.5122	-3.34175
14367	0.141349	-7.78656	7.78656	1 up vs 2	2.86712	12038.7	25193.3	1	-10.1268	23.8794	-4.39514	-198.579	-4.3222	23.6803	4.95543	-2.52263
14371	0.450714	3.04722	3.04722	1 up vs 2	0.650491	109.745	1012.27	1	-2.0232	4.29222	-4.96867	-34.9259	2.78638	-1.82129	-2.52587	-13.6616
14435	0.164593	-13.6976	13.6976	1 up vs 2	2.50473	61.4035	147.09	1	-5.06065	2.16597	-2.09992	2.32912	-13.2683	1.99603	2.49237	-2.60766
14496	0.232657	45.7466	45.7466	1 up vs 2	1.76191	93949.1	319934	1	-8.02742	3.3145	8.92442	3.9594	690.608	4.70829	5.84534	2.21988
14503	0.135388	-2.1026	2.1026	1 up vs 2	2.97375	1821.23	3674.61	1	-50.6681	3.82084	2.25245	-2.57726	-10.1174	8.14399	50.4608	-14.4523
14509	0.00765264	-1.37148	1.37148	1 up vs 2	15.4985	41.7097	16.1473	1	-2.50268	3.10114	2.51142	-2.88688	-2.79338	-1.46925	3.58466	2.21619
14517	0.000808763	-1.49886	1.49886	1 up vs 2	38.4895	300.773	46.8865	1	-9.89077	3.8995	4.28874	-8.90718	-3.99282	2.66287	9.44529	5.04598
14546	0.922882	1.40283	1.40283	1 up vs 2	0.0101902	1.60338	944.069	1	-5.4683	2.63044	2.25357	-2.19059	-2.00205	-12.2877	17.8568	-21.931
14623	0.597105	2.3757	2.3757	1 up vs 2	0.31124	1340.47	25841.3	1	-125.557	-3.76341	-3.66146	-4.33692	-8.62771	2.38225	37.569	-129.706
14741	0.355102	-1.08362	1.08362	1 up vs 2	1.00366	25.603	153.058	1	-2.66631	-2.00217	2.38835	2.39398	-5.49301	1.11378	10.7107	-3.34327

Gene ID	p-value (1 vs. 2)	MeanRatio (1 vs. 2)	FoldChange (1 vs. 2)	FoldChange (1 vs. 2)	F(Gene Group)	SS(Gene Group)	SS(Error)	F(Error)	FoldChange (106 vs. n)	FoldChange (111 vs. n)	FoldChange (112 vs. n)	FoldChange (121 vs. n)	FoldChange (347 vs. n)	FoldChange (353 vs. n)	FoldChange (537 vs. n)	FoldChange (563 vs. n)
14773	0.0236965	-2.11184	2.11184	1 up vs 2	9.06089	317.438	210.203	1	-11.1761	4.01412	3.67539	-2.69013	-12.6245	2.85643	13.7991	-3.43852
14896	0.00866453	-2.15045	2.15045	1 up vs 2	14.6648	181.728	74.3526	1	-4.08147	2.13925	9.3113	-9.11602	-6.9624	-1.5885	2.96245	2.80007
15065	0.0497112	-1.00891	1.00891	1 up vs 2	6.00827	233.117	232.796	1	2.07691	2.96915	6.08389	-2.01551	-16.861	2.08259	8.21401	8.40251
15072	4.59E-05	-1.47616	1.47616	1 up vs 2	108.464	74.4199	4.11675	1	-3.57635	3.41826	2.07803	-3.18494	-4.506	1.21455	3.1087	2.90189
15120	0.18805	-11.8519	11.8519	1 up vs 2	2.20561	49887.6	135711	1	2.67076	4.18873	2.4962	-450.324	-3.61815	4.39426	16.9282	35.4522
15229	0.291811	6.30563	6.30563	1 up vs 2	1.33522	258.619	1162.14	1	6.39697	-3.1581	3.32032	39.9761	-4.4993	-2.05749	7.62182	5.34128
15275	0.659007	-2.29687	2.29687	1 up vs 2	0.215293	13.3734	372.703	1	-4.14617	15.7233	-8.22983	2.13643	-3.57209	-2.45046	3.4027	-4.3954
15280	0.0230844	-1.49764	1.49764	1 up vs 2	9.18366	90.1708	58.9117	1	-5.7166	2.67378	8.58928	-2.4441	-4.31402	-1.55594	2.04905	2.12651
15310	0.147735	-10.9077	10.9077	1 up vs 2	2.75964	6303.25	13704.5	1	-8.38966	-2.61952	2.50399	-3.1642	-147.78	3.59156	18.2557	2.61414
15316	0.865657	1.42951	1.42951	1 up vs 2	0.0311762	1.28622	247.539	1	-2.42501	-12.7614	-7.78318	-2.02489	-3.8198	4.332	2.75209	3.81886
15440	0.60494	2.32994	2.32994	1 up vs 2	0.297807	67.3037	1355.99	1	-31.7285	-26.8317	2.36371	4.06026	-3.82028	2.96405	2.26055	-3.28113
15455	0.323164	-1.09818	1.09818	1 up vs 2	1.15837	496.789	2573.21	1	-19.3282	2.42618	9.87883	-4.2139	-2.0165	34.4298	22.2573	-30.2027
15468	0.0216856	-5.74535	5.74535	1 up vs 2	9.48138	1887.19	1194.25	1	-40.6574	2.55928	18.4023	-2.42766	-37.9813	-1.84919	6.42295	-2.01884
15472	0.317795	-4.27282	4.27282	1 up vs 2	1.18674	22.2155	112.318	1	-2.9955	5.23446	2.58105	-2.77849	-2.59398	1.18913	2.71608	-8.45669
15513	0.231422	3.93138	3.93138	1 up vs 2	1.7725	69.2318	234.353	1	-16.8166	2.70385	-9.64857	-4.96638	-2.6652	-2.11696	3.51833	-4.8212
15518	0.460419	2.98357	2.98357	1 up vs 2	0.621718	1532.66	14791.2	1	4.34342	-2.32167	81.5033	3.51505	121.154	-1.16679	-3.77667	-2.16996
15536	0.0566168	-1.03971	1.03971	1 up vs 2	5.54926	274.823	297.146	1	-2.71618	2.97809	20.1511	-6.86105	-8.93638	-1.80753	4.4272	3.92865
15543	0.186797	-2.28576	2.28576	1 up vs 2	2.22023	322.826	872.414	1	-18.3375	-3.4662	4.78772	-4.68778	-4.35893	-3.47731	27.3884	-5.2654
15565	0.0375744	-4.39076	4.39076	1 up vs 2	7.07025	4102.46	3481.45	1	-46.0816	2.76861	31.4542	-70.778	2.56326	-1.9989	7.76379	3.39746
15576	0.707048	2.02154	2.02154	1 up vs 2	0.15541	45.946	1773.86	1	-4.62274	6.02415	-2.44147	-2.4386	-22.3267	-39.0817	8.81476	2.45521
15914	0.08487	-6.73763	6.73763	1 up vs 2	4.25013	1313.07	1853.69	1	-57.3465	2.80146	3.55149	-7.74329	-4.03973	-2.38207	10.3002	2.82927
15990	0.385791	-6.59788	6.59788	1 up vs 2	0.874554	58.1873	399.202	1	-19.1491	-2.47217	-3.01088	2.58198	2.05447	-2.05233	3.11112	8.09025
16226	0.412866	6.6035	6.6035	1 up vs 2	0.773865	378.128	2931.74	1	-5.62993	-19.4656	6.75927	11.6952	-56.2712	5.4572	-2.53617	-2.88625
16242	0.0396415	-1.55776	1.55776	1 up vs 2	6.85894	408.428	357.281	1	-16.3879	8.55866	3.32573	-2.33031	-8.24795	4.9945	17.0136	-5.04105
16431	0.00224128	-1.61303	1.61303	1 up vs 2	25.9176	119.183	27.5912	1	-4.76374	6.99216	2.34012	-3.06182	-6.93919	1.38683	2.22348	2.31311
16578	0.197965	-6.71097	6.71097	1 up vs 2	2.09468	3387.24	9702.39	1	-97.0989	6.34343	4.17373	-2.00324	-11.8715	5.51468	51.7625	-40.2341
16587	0.0791036	-3.86604	3.86604	1 up vs 2	4.46248	1327.9	1785.42	1	-5.09764	2.0815	4.23347	-54.7873	-3.54499	1.95062	13.2692	5.81014
HSD17B11	0.145173	-16.2706	16.2706	1 up vs 2	2.80197	22171.9	47477.8	1	-279.695	8.58079	15.3308	-4.40903	-23.2351	2.78423	7.15176	-2.36553
HSPA12A	0.249432	-8.33492	8.33492	1 up vs 2	1.62579	490.501	1810.2	1	7.41721	2.8959	12.4471	-4.70269	-46.0388	-1.81208	3.71951	-8.58722
HYPB	0.0728569	-1.2911	1.2911	1 up vs 2	4.71775	77.328	98.3452	1	-4.52537	9.12628	3.29089	-4.01913	-2.31239	3.57387	2.62421	-4.60026
IDE	0.0303674	-1.46813	1.46813	1 up vs 2	7.95052	558.949	421.821	1	-5.01527	12.6915	2.69644	-2.14537	-23.6502	-1.03262	7.88134	12.7407
IFITM4P	0.0033027	-1.59724	1.59724	1 up vs 2	22.1543	636.13	172.282	1	-6.69085	4.10877	8.20653	-6.12868	-21.1627	6.84572	10.8498	5.44849
IGDCC3	0.296783	-47.4802	47.4802	1 up vs 2	1.30528	453.026	2082.43	1	-48.4632	-2.40428	3.18858	-4.86672	7.66001	-1.07238	13.7569	-11.8657
IL1A	0.91225	-18.9937	18.9937	1 up vs 2	0.0132089	27.5684	12522.6	1	-2.21417	-3.87478	2.34406	-6.61663	-2.09725	-79.8413	4.25204	78.0789
IL1B	0.10378	-2.8199	2.8199	1 up vs 2	3.67266	1373.25	2243.47	1	-50.4809	2.34248	23.4873	-6.76909	-2.68454	-12.4514	2.79767	19.2475
IL23R	0.257361	47.3732	47.3732	1 up vs 2	1.56605	66.2877	253.968	1	8.96439	-3.51874	-3.15493	-3.75041	13.0083	1.19711	-2.35464	8.47229
IL31RA	0.228054	-2.48361	2.48361	1 up vs 2	1.80179	63.8547	212.638	1	6.36817	-12.2925	4.39532	3.62729	2.48616	1.33992	-5.64402	3.82528
IL9	0.849947	1.54819	1.54819	1 up vs 2	0.0390116	41.4693	6378	1	-30.0241	-2.65128	6.89171	-2.22455	-7.59685	-3.62375	29.707	-73.2185
IMPAD1	0.00976832	-1.49469	1.49469	1 up vs 2	13.8924	190.432	82.2458	1	-8.56604	9.18059	2.0538	-4.64488	-4.90351	-1.07658	7.68075	2.36015
INPP4A	0.198828	-37.3139	37.3139	1 up vs 2	2.0854	565241	1.63E+06	1	-1575.21	27.2733	2.88603	-21.8699	-7.09487	1.65067	49.3693	-9.527
IP6K1	0.0541641	-1.99672	1.99672	1 up vs 2	5.70317	53.4144	56.1945	1	-4.97625	6.47772	3.35255	-3.24588	-2.44681	-1.42737	2.83464	-2.33217
ISCA1	0.0248604	-1.99731	1.99731	1 up vs 2	8.83879	257.181	174.581	1	-10.8307	3.76843	4.33133	-2.41325	-10.1689	1.3129	12.8458	-2.72148
ISLR	0.0025875	-1.01397	1.01397	1 up vs 2	24.466	2919.08	715.872	1	-17.5908	2.88418	15.319	-9.79052	-32.2146	27.2093	23.8235	28.7218
ITGA8	0.0210421	-7.68879	7.68879	1 up vs 2	9.62714	263.323	164.113	1	-17.3281	3.86676	2.25859	-7.98649	-6.14578	1.51468	-6.68842	5.86792
JAK2	0.0441962	-1.68931	1.68931	1 up vs 2	6.44176	191.983	178.817	1	-6.86919	8.70678	2.25591	-3.4663	-8.73319	-1.29767	12.021	-2.87292
JAKMIP1	0.00706705	-4.68804	4.68804	1 up vs 2	16.0515	4964.54	1855.73	1	-49.5163	2.04261	8.58088	-65.0312	-12.6823	5.22939	2.81003	26.5691
JUP	0.23192	10.7708	10.7708	1 up vs 2	1.76822	100.26	340.207	1	-5.29625	4.11136	3.50096	-8.44992	-10.4364	-16.8593	3.46727	2.03773
KALRN	0.117852	-1.39298	1.39298	1 up vs 2	3.32949	157.931	284.605	1	-4.14426	17.9958	2.98654	-3.71743	-8.16561	-1.77447	2.24104	-2.27263
KAZALD1	0.143991	-1.07807	1.07807	1 up vs 2	2.82185	3323.84	7067.36	1	-44.5601	5.12888	-2.0465	-15.8007	-5.16719	-1.0254	8.80325	90.4444
KBTBD9	0.0888691	-1.8708	1.8708	1 up vs 2	4.11412	611.12	891.252	1	-19.2885	3.58808	2.19061	-5.48026	-10.5258	2.72823	30.2192	-7.28266
KCNA1	0.184775	-11.5534	11.5534	1 up vs 2	2.24411	4893.16	13082.7	1	-130.863	4.26401	-2.25471	-2.69327	-7.49081	-4.29696	45.3065	-22.6718
KCNIP4	0.206414	-171.909	171.909	1 up vs 2	2.00626	38024.2	113717	1	-415.444	8.46649	-6.34869	-7.24694	-2.05714	4.37716	21.9701	-24.3471

Gene ID	p-value (1 vs. 2)	MeanRatio (1 vs. 2)	FoldChange (1 vs. 2)	FoldChange (1 vs. 2)	F(Gene Group)	SS(Gene Group)	SS(Error)	F(Error)	FoldChange (106 vs. n)	FoldChange (111 vs. n)	FoldChange (112 vs. n)	FoldChange (121 vs. n)	FoldChange (347 vs. n)	FoldChange (353 vs. n)	FoldChange (537 vs. n)	FoldChange (563 vs. n)
KCNJ15	0.67986	6.26611	6.26611	1 up vs 2	0.187851	9.16316	292.674	1	-2.05501	2.22496	-2.39895	11.9538	-2.00744	8.35664	2.62038	-8.70408
KCNJ4	0.230217	3.72116	3.72116	1 up vs 2	1.78291	2559.67	8614.03	1	-89.3082	-2.45789	3.33707	-14.7965	-47.4735	7.25107	5.50162	-81.5221
KCNK10	0.102609	-11.0228	11.0228	1 up vs 2	3.7041	1679.24	2720.07	1	-8.31976	10.3272	-2.88435	-5.95113	-68.0411	-3.13238	11.7284	-3.59313
KCNQ3	0.017061	-1.56612	1.56612	1 up vs 2	10.6847	815.837	458.134	1	-12.0786	9.45412	16.1255	-2.22167	-23.8916	3.47741	13.6818	-2.09511
KCNS1	0.197966	2.8655	2.8655	1 up vs 2	2.09467	3501.14	10028.7	1	-129.117	-64.6687	-4.21571	-15.7699	-54.24	-6.55361	2.26777	-42.6482
KIAA0101	0.0838669	-1.3173	1.3173	1 up vs 2	4.28563	728.341	1019.7	1	-34.2411	10.3643	2.75941	5.1991	-4.56972	19.0137	7.07714	3.31141
KIAA0284	0.0788589	-5.29824	5.29824	1 up vs 2	4.47195	174.803	234.532	1	-12.1218	-4.5261	12.3445	-5.03254	-7.21295	-3.4498	5.50229	-2.20568
KIAA0514	0.770233	5.80141	5.80141	1 up vs 2	0.0933926	38.4157	2468.02	1	23.2059	6.09399	-24.1656	-33.9734	-5.63991	3.18202	13.8819	-3.70594
KIAA0692	0.287223	-8.56086	8.56086	1 up vs 2	1.36354	85.0233	374.129	1	-11.4252	-2.34394	4.97971	2.95097	-9.61458	-3.99191	12.3351	-7.45735
KIAA0748	0.131949	68.4351	68.4351	1 up vs 2	3.03829	1.22E+06	2.41E+06	1	-310.544	-21.7485	-3.10181	-2078.1	-67.3267	-1.35952	-3.14848	-30.4543
KIAA1199	0.0428678	-1.32636	1.32636	1 up vs 2	6.55723	767.364	702.154	1	-9.91628	28.2192	6.70264	-2.22465	-22.4614	1.45934	4.77354	2.32568
KIAA1239	0.0851903	6.8927	6.8927	1 up vs 2	4.23892	43614.6	61734.5	1	-209.967	-2.09925	68.6193	-258.08	-67.1474	-7.41081	12.5658	-201.086
KIAA1345	0.879656	1.48277	1.48277	1 up vs 2	0.0249576	13.5482	3257.1	1	-30.6866	5.27488	2.165	-2.00086	7.91926	11.4235	2.67333	-49.3767
KIAA1543	0.0863577	-2.18452	2.18452	1 up vs 2	4.19853	535.363	765.072	1	-28.2753	2.62374	-2.524	2.0135	-8.51239	13.6362	15.1114	-2.31662
KILLIN	0.248879	-1.21239	1.21239	1 up vs 2	1.63006	346.806	1276.54	1	-9.3467	32.4326	2.0558	-18.1816	5.1697	2.22739	4.37635	-10.3559
KL	0.0227249	-8.61136	8.61136	1 up vs 2	9.25781	6138.19	3978.17	1	-90.1828	-5.33896	29.8004	-53.3934	-10.2136	-2.04335	2.39209	4.95473
KLHL29	0.116522	-1.21667	1.21667	1 up vs 2	3.35945	833.883	1489.32	1	-17.9329	2.62436	2.31386	-4.86931	-11.923	4.80743	42.4245	-4.6015
KLKP1	0.759758	1.71736	1.71736	1 up vs 2	0.102454	5.74426	336.401	1	18.2018	-2.39097	6.4723	-2.27381	-3.35723	3.69772	2.06167	2.35897
KRT16	0.310795	4.67634	4.67634	1 up vs 2	1.22487	491.791	2409.04	1	-2.58638	-2.65405	12.4419	59.131	5.25725	1.13484	2.11353	8.99024
KRT17	0.207953	696.151	696.151	1 up vs 2	1.99071	4.71E+06	1.42E+07	1	-4663.7	-5.15156	-4.32198	-8.62313	-89.8223	4.99911	2.02162	-8.94832
KRT222	0.332952	4.41545	4.41545	1 up vs 2	1.10849	87974	476183	1	-806.007	-23.0973	-2.19135	-10.4849	-23.5965	-282.745	14.2462	-23.3146
KRT26	0.0922881	-1.00912	1.00912	1 up vs 2	4.00432	135.341	202.793	1	-2.54186	14.041	-4.80496	-3.37629	-6.88368	1.05512	4.6052	6.24723
KRTAP10-9	0.0247688	-4.8109	4.8109	1 up vs 2	8.85576	405.258	274.572	1	-10.8423	-2.57957	-4.57934	-5.16692	-20.5056	2.76774	10.2239	6.81731
LACTB	0.0317831	-4.5553	4.5553	1 up vs 2	7.75668	315.6	244.125	1	-22.8343	3.90842	4.17168	-3.78339	-5.29759	-1.37576	2.80654	2.1661
LACTB	0.00579312	-1.30567	1.30567	1 up vs 2	17.4988	97.8214	33.5411	1	-5.44238	2.85148	4.61429	-2.82031	-4.00814	-1.39419	5.74293	3.849
LCN1	0.12028	-1.12375	1.12375	1 up vs 2	3.27598	691.507	1266.5	1	-2.69888	-2.27562	34.075	-3.91938	-23.8667	1.19908	14.7831	-2.56854
LCN15	0.109402	6.8493	6.8493	1 up vs 2	3.52826	1529.47	2600.94	1	-72.3456	-9.43681	5.0713	-8.43325	-19.5516	-13.2462	2.71891	-9.52099
LETMD1	0.084452	-6.40943	6.40943	1 up vs 2	4.26486	161.916	227.791	1	-18.7729	2.35324	2.08438	-3.05568	-2.28711	1.19431	5.36964	-4.73068
LFNG	0.857255	1.73429	1.73429	1 up vs 2	0.0352531	2.30798	392.812	1	-2.54385	2.65231	2.12392	-2.61515	-2.70222	3.64784	3.22894	-19.2077
LGR5	0.373613	-1.71899	1.71899	1 up vs 2	0.923729	318.661	2069.83	1	-2.16391	15.2687	-4.6379	29.6412	-2.75149	-34.9771	3.31688	-2.9438
LHFPL2	0.00115808	-2.72912	2.72912	1 up vs 2	33.5657	122.746	21.9414	1	-6.46813	2.89421	2.78901	-6.70251	-4.59337	-1.5988	2.60124	4.16278
LHX1	0.258262	-75.2196	75.2196	1 up vs 2	1.55943	440997	1.70E+06	1	-1540.4	28.6003	2.28322	102.386	2.18554	1.42166	2.41014	-2.90117
LHX2	0.0619536	18.2881	18.2881	1 up vs 2	5.24359	467358	534777	1	-1066.1	4.16915	4.01106	-463.348	-54.9592	-11.327	4.57847	-145.825
LHX6	0.288719	-9.5003	9.5003	1 up vs 2	1.35423	423.539	1876.51	1	38.7028	15.9132	-12.5812	-2.18102	4.27286	-2.99693	11.6165	-19.1083
LILRB2	0.869714	1.25926	1.25926	1 up vs 2	0.0293003	1.39207	285.063	1	17.134	2.9377	4.65608	-2.3187	-2.25997	-1.43027	4.2831	6.1707
LINS1	0.000870761	-1.15636	1.15636	1 up vs 2	37.4277	69.72	11.1767	1	-3.50326	5.40856	2.50378	-2.1336	-4.17318	1.47938	2.47222	2.27534
LMO3	0.104555	33.7093	33.7093	1 up vs 2	3.65214	8954.26	14710.7	1	-51.0876	-4.86432	4.3043	-8.26879	-154.299	12.6596	27.4206	-50.0838
LNX1	0.160692	-4.90933	4.90933	1 up vs 2	2.56035	95216.1	223132	1	-543.544	12.1635	4.34103	-4.73609	-13.3623	7.16061	196.962	-29.9553
LOC100128010	0.104538	-5.34027	5.34027	1 up vs 2	3.65258	910.647	1495.9	1	4.75944	7.88912	-14.823	-35.5948	-24.8513	2.19223	19.7585	2.36262
LOC100128099	0.0234874	-27.2762	27.2762	1 up vs 2	9.10234	120.728	79.5802	1	-3.37158	2.11732	-4.58679	-7.78413	-12.0656	-1.44377	2.2389	3.09324
LOC100128277	0.0278868	-2.51913	2.51913	1 up vs 2	8.32136	138.351	99.7558	1	-2.40705	2.06758	3.95656	-2.66249	-13.3775	-1.21121	4.79639	2.59531
LOC100128388	0.495525	-4.38745	4.38745	1 up vs 2	0.526177	95.4072	1087.93	1	-17.1334	2.90295	2.28355	18.5829	-18.8772	6.17046	-10.7282	5.99152
LOC100128400	0.218872	26.3684	26.3684	1 up vs 2	1.88497	105911	337123	1	-715.807	-8.6884	-2.65732	-4.52102	-20.78	-3.48611	44.0059	-76.0172
LOC100128410	0.0853303	-1.61704	1.61704	1 up vs 2	4.23404	1859.75	2635.43	1	-52.3002	16.6842	37.16	-2.652	-3.42715	-4.09363	2.84127	7.57899
LOC100128530	0.996397	1.03287	1.03287	1 up vs 2	2.22E-05	0.0007769	210.394	1	3.20122	-12.8371	3.42452	-2.68548	-2.4346	1.73798	2.03186	2.54642
LOC100128760	0.209967	205.558	205.558	1 up vs 2	1.97061	3025.42	9211.63	1	-115.123	2.43549	8.29395	-2.32199	-3.65153	-1.04589	13.3116	-23.977
LOC100128899	0.0750952	10.0226	10.0226	1 up vs 2	4.62296	4998.81	6487.8	1	-2.11962	16.0038	4.45606	109.122	65.0666	2.48858	9.02967	-3.36453
LOC100129070	0.458546	-1.42045	1.42045	1 up vs 2	0.627187	688.397	6585.57	1	-17.3439	2.75828	5.86141	-2.63229	-13.758	-36.4813	73.3074	-5.8643
LOC100129160	0.734484	1.86123	1.86123	1 up vs 2	0.126276	96.6898	4594.22	1	-2.03641	2.23912	-4.765	53.0934	-4.49914	1.20529	52.0584	-9.04679
LOC100129190	0.233065	1358.74	1358.74	1 up vs 2	1.75843	138664	473139	1	-833.625	5.54681	4.01377	14.7191	2.47107	2.32741	-10.8399	-2.04955
LOC100129300	0.18904	6.03361	6.03361	1 up vs 2	2.19416	196.505	537.35	1	2.58828	6.75528	-2.59051	30.3882	3.83689	1.4464	2.48663	2.07117
LOC100129360	0.0527085	-16.2258	16.2258	1 up vs 2	5.79905	57.8223	59.8259	1	-4.11866	2.129	2.05553	-2.30995	-9.26399	-3.47805	3.00674	-2.10132

Gene ID	p-value (1 vs. 2)	MeanRatio (1 vs. 2)	FoldChange (1 vs. 2)	FoldChange (1 vs. 2)	F(Gene Group)	SS(Gene Group)	SS(Error)	F(Error)	FoldChange (106 vs. n)	FoldChange (111 vs. n)	FoldChange (112 vs. n)	FoldChange (121 vs. n)	FoldChange (347 vs. n)	FoldChange (353 vs. n)	FoldChange (537 vs. n)	FoldChange (563 vs. n)
LOC100129430	0.14384	-1.05184	1.05184	1 up vs 2	2.82441	88.9991	189.064	1	-5.07483	3.14101	4.83719	-3.29411	-2.22651	-1.47454	13.888	-3.60288
LOC100129510	0.594697	43.5987	43.5987	1 up vs 2	0.315449	324.43	6170.82	1	-29.5059	8.88531	-2.12437	-3.78834	-7.09431	-58.4365	47.703	2.42861
LOC100129690	0.0531931	-12.905	12.905	1 up vs 2	5.76674	3602.03	3747.73	1	-34.0872	9.07037	2.17022	-2.49971	-85.4472	-2.63944	12.8676	-5.70821
LOC100129690	0.011591	-12.0357	12.0357	1 up vs 2	12.8431	589.673	275.482	1	-22.7404	2.24035	3.13577	-4.04535	-22.3348	1.03104	4.70768	-4.31279
LOC100129750	0.896028	2.22211	2.22211	1 up vs 2	0.018583	7.53621	2433.26	1	-2.44467	-39.879	28.8112	-5.95915	-2.53204	-2.26147	2.588	2.53895
LOC100130150	0.111436	-5.23885	5.23885	1 up vs 2	3.47854	2636.46	4547.53	1	-5.87411	9.05946	5.92707	-2.22324	-86.3659	2.3371	5.91547	6.81303
LOC100130150	0.635074	2.29298	2.29298	1 up vs 2	0.249708	68.54	1646.88	1	-19.3569	2.07913	-38.053	-2.95213	-9.85729	5.39848	11.1192	-3.92411
LOC100130220	0.722841	-3.33312	3.33312	1 up vs 2	0.138212	3.17732	137.933	1	4.75492	-2.93117	-2.74793	4.11237	-5.86328	3.18523	5.00769	-4.01592
LOC100130230	0.251418	37.345	37.345	1 up vs 2	1.61057	143352	534043	1	10.3028	5.35988	2.54566	880.073	-38.0398	5.27157	16.7873	8.07437
LOC100130240	0.542613	10.1613	10.1613	1 up vs 2	0.416398	65.5133	944	1	-2.28287	10.0674	-4.02764	-2.59021	-14.7957	6.33099	9.00806	-24.6049
LOC100130280	0.985988	1.20607	1.20607	1 up vs 2	0.00033511	0.0799966	1432.33	1	-2.56506	16.2287	-33.0119	2.91748	-3.97914	1.88152	6.55866	3.33126
LOC100130520	0.216186	-168.656	168.656	1 up vs 2	1.91027	1.98E+06	6.21E+06	1	-3054.67	25.7424	3.86789	-3.04236	-3.98983	-3.87095	7.27912	-2.76251
LOC100130690	0.418195	2.96597	2.96597	1 up vs 2	0.755341	199.875	1587.69	1	3.47088	12.1268	6.71774	45.6311	-2.37263	-1.92886	12.2229	-2.87997
LOC100131040	0.203349	-28.4927	28.4927	1 up vs 2	2.03772	1590.77	4683.96	1	-2.72925	2.24312	-4.38157	2.04418	-83.7345	1.86048	2.59843	2.61763
LOC100131330	0.159755	-1.79383	1.79383	1 up vs 2	2.574	44.6856	104.162	1	4.5041	2.80874	2.73412	-5.59051	-8.317	-1.43941	2.41609	2.21728
LOC100131660	0.487392	2.3391	2.3391	1 up vs 2	0.547187	6165.14	67601.9	1	-6.09669	-3.09517	-3.89673	-3.48034	-290.912	-76.2752	-127.817	-3.02221
LOC100132180	0.218313	-339.977	339.977	1 up vs 2	1.8902	1.32E+07	4.19E+07	1	-7929.45	6.81383	21.8043	-3.14917	-2.67923	4.31955	8.25259	-2.28925
LOC100132240	0.264761	21.6407	21.6407	1 up vs 2	1.5127	124.235	492.766	1	4.27571	3.70196	-2.82453	23.8718	-2.54461	-1.47	8.00139	-5.437
LOC100132290	0.183324	-84.1664	84.1664	1 up vs 2	2.26147	52646.8	139679	1	-7.07745	3.1905	3.01695	-19.1145	-470.603	-1.86049	7.57712	-2.08653
LOC100132330	0.319408	-3.76951	3.76951	1 up vs 2	1.17814	141.028	718.224	1	-2.78889	16.0103	3.14568	-15.2904	-2.48362	1.4265	6.37239	-17.8631
LOC100132490	0.424936	-3.58363	3.58363	1 up vs 2	0.732473	514.256	4212.5	1	-62.4937	9.45734	3.17601	-3.27352	26.9232	2.31994	5.42459	-2.3124
LOC100132710	0.00967023	-1.3673	1.3673	1 up vs 2	13.9562	106.863	45.9421	1	-6.85761	7.22577	2.64628	-2.25828	-3.96521	-1.05592	3.91057	3.21851
LOC100132810	0.232862	-35.0098	35.0098	1 up vs 2	1.76016	120417	410476	1	-767.625	2.20281	3.52014	30.8645	-2.39139	-21.9518	45.8522	5.56449
LOC100132840	0.667629	2.9855	2.9855	1 up vs 2	0.203668	13.0981	385.866	1	4.13278	-4.50688	-9.43597	2.20157	5.58826	-1.49092	6.95791	15.1317
LOC100132970	0.473928	3.61744	3.61744	1 up vs 2	0.583427	117.209	1205.38	1	-2.54858	-18.3188	3.22784	4.44375	-34.6764	1.39521	3.26979	-4.67737
LOC100133050	0.640421	7.21882	7.21882	1 up vs 2	0.241738	8.56864	212.676	1	2.24309	-4.21879	4.53195	2.60775	2.59365	-1.84739	10.7408	-7.4878
LOC100133080	0.667939	-1.3101	1.3101	1 up vs 2	0.203257	26.4271	780.107	1	-4.34852	13.9095	2.79358	-2.31746	13.0533	-19.9717	-2.81578	-2.04134
LOC100133320	0.0368255	-1.00307	1.00307	1 up vs 2	7.15072	166.603	139.792	1	-8.18907	11.3538	4.75382	2.48049	-8.45249	1.11768	2.9537	3.3506
LOC100133500	0.0639771	-5.03884	5.03884	1 up vs 2	5.13688	49.8031	58.1712	1	-8.15364	3.08304	3.58251	-2.56991	-2.17753	-2.42623	2.38438	-2.35649
LOC100133570	0.0913992	-6.27072	6.27072	1 up vs 2	4.03233	88.0953	131.084	1	-3.51706	3.67981	2.86948	-11.4122	-2.80598	-3.57542	6.05744	-4.31754
LOC100133840	0.185521	-140.157	140.157	1 up vs 2	2.23525	2956.66	7936.46	1	-2.69883	4.01483	-5.17623	-111.847	-3.74036	1.68168	-2.98965	3.87596
LOC100133890	0.899712	-1.3238	1.3238	1 up vs 2	0.0172807	1.32207	459.031	1	-3.48078	-6.94564	-7.01592	2.34808	2.56776	2.85327	16.6358	-7.33426
LOC100133920	0.218224	714.159	714.159	1 up vs 2	1.89103	5.31E+07	1.69E+08	1	-2.15048	12.4289	4.3036	15931.3	62.3872	-14.7378	32.3502	2.97532
LOC100134050	0.0171017	-1.90172	1.90172	1 up vs 2	10.6722	416.733	234.29	1	-5.3737	12.746	2.98612	-19.0866	-4.85137	-1.07122	6.65869	4.36916
LOC100134090	0.18445	5.18992	5.18992	1 up vs 2	2.24798	36.6244	97.7526	1	-11.666	-4.51587	-2.83627	-2.05088	-2.70643	-2.5447	2.31005	2.31268
LOC100134180	0.0352194	-3.57069	3.57069	1 up vs 2	7.33097	367.546	300.817	1	-13.7413	14.9247	2.16509	-14.6009	-4.47089	-3.59863	5.52672	-3.70195
LOC100134400	0.228813	-2.48088	2.48088	1 up vs 2	1.79514	853.447	2852.53	1	2.10118	17.91	-6.09706	-53.4487	5.73062	21.0729	3.09021	-5.33046
LOC100134490	0.201097	-2.56539	2.56539	1 up vs 2	2.06128	48.7673	141.952	1	2.282	6.6396	4.50468	-3.69597	-9.59461	1.45296	-3.13596	-2.30929
LOC100134560	0.294673	15.8408	15.8408	1 up vs 2	1.31789	310.964	1415.73	1	6.13423	2.13265	-2.47355	-43.637	-3.735	1.73066	-2.35875	-3.36977
LOC100134640	0.019504	-2.66408	2.66408	1 up vs 2	10.0012	173.019	103.799	1	-10.8759	3.15173	3.15274	-2.54997	-7.52729	-3.41483	8.21716	2.00162
LOC100134740	0.937504	1.12081	1.12081	1 up vs 2	0.00668315	1.48367	1332.01	1	-2.63758	-2.76223	-3.99517	12.6066	14.7887	1.46635	37.0312	5.07499
LOC100134760	0.205151	-4.48378	4.48378	1 up vs 2	2.01914	971.442	2886.7	1	-3.63138	-6.74077	-2.21295	-2.38142	61.8461	-4.79486	2.42611	-9.43132
LOC120364	0.742227	4.58817	4.58817	1 up vs 2	0.118677	5.183	262.039	1	8.08951	2.88433	-2.10339	2.463	-4.17461	7.00918	4.70937	-10.1827
LOC138864	0.126979	23.5026	23.5026	1 up vs 2	3.13581	134.435	257.225	1	-3.26533	-2.13389	2.24488	-21.1979	-2.06813	-2.03338	-2.67687	2.71781
LOC143188	0.397875	22.2838	22.2838	1 up vs 2	0.828209	9.43403	68.3453	1	-5.37564	-2.90872	-2.06326	-4.35892	2.6891	-1.06379	2.12387	3.38495
LOC144481	0.756567	1.85846	1.85846	1 up vs 2	0.105307	55.9636	3188.6	1	-3.88745	4.20684	-53.347	-28.6861	-2.90822	6.40228	5.23388	5.68403
LOC157627	0.200034	985.35	985.35	1 up vs 2	2.07253	101845	294842	1	-676.111	-3.36745	3.21303	-3.09094	-20.6902	3.27289	13.9722	-18.2745
LOC220115	0.693508	-3.66693	3.66693	1 up vs 2	0.171107	9.02518	316.474	1	-2.62209	7.92331	-12.435	2.00016	-4.54961	6.26259	4.6651	-4.06547
LOC284757	0.68452	2.35248	2.35248	1 up vs 2	0.182029	35.8711	1182.38	1	-2.2208	-31.1616	7.58641	-17.5541	-3.04891	-2.3853	6.26009	3.53037
LOC285697	0.383054	51.4588	51.4588	1 up vs 2	0.885381	209.425	1419.22	1	40.0949	-6.0504	-3.05092	-3.04046	-4.7206	-2.14182	7.32191	4.96847
LOC286094	0.201139	-72.0384	72.0384	1 up vs 2	2.06084	356.487	1037.89	1	3.24785	3.60401	-10.4519	-9.26429	-34.7831	-1.10381	12.3116	-3.41597
LOC389300	0.103872	26.4431	26.4431	1 up vs 2	3.67021	201.477	329.372	1	2.02105	2.31776	2.78141	5.9474	24.3519	-2.22353	-4.12926	3.29072

Gene ID	p-value (1 vs. 2)	MeanRatio (1 vs. 2)	FoldChange (1 vs. 2)	FoldChange (1 vs. 2)	F(Gene Group)	SS(Gene Group)	SS(Error)	F(Error)	FoldChange (106 vs. n)	FoldChange (111 vs. n)	FoldChange (112 vs. n)	FoldChange (121 vs. n)	FoldChange (347 vs. n)	FoldChange (353 vs. n)	FoldChange (537 vs. n)	FoldChange (563 vs. n)
LOC389405	0.0626407	-12.85	12.85	1 up vs 2	5.20683	32005.5	36881	1	-253.54	-11.4089	40.3442	11.118	-121.23	-2.64422	23.1118	-2.23647
LOC389517	0.08197	-6.03462	6.03462	1 up vs 2	4.35437	921.909	1270.32	1	-9.41962	-3.95786	2.38771	-45.3815	-2.26441	-3.16623	7.93539	12.5616
LOC389827	0.277086	-76.9644	76.9644	1 up vs 2	1.42861	4791.83	20125.1	1	163.678	-2.44763	-14.8508	-2.24132	-11.7219	-1.55887	-4.74018	20.3554
LOC390714	0.238915	36.5909	36.5909	1 up vs 2	1.7095	83873.6	294380	1	660.309	6.24576	4.14761	-5.35495	-2.62419	5.8267	16.1416	-2.64895
LOC400406	0.0834716	-1.14081	1.14081	1 up vs 2	4.29978	2558.39	3570.02	1	-59.1626	2.16601	28.7449	3.67136	-3.56136	31.8946	28.6314	-5.16407
LOC400836	0.178387	-1.43745	1.43745	1 up vs 2	2.32205	159.041	410.949	1	-6.51358	-7.82347	7.14456	-4.37714	-5.40347	-1.77883	18.9431	2.40705
LOC401357	0.30299	-10.7129	10.7129	1 up vs 2	1.26896	594.978	2813.23	1	-5.74422	-24.6904	4.10287	5.42229	-48.5561	1.08998	3.39785	23.7039
LOC401805	0.0852935	-4.0574	4.0574	1 up vs 2	4.23532	1199.76	1699.65	1	-49.5196	8.83664	2.62963	-7.33523	-4.02718	-1.07539	20.4441	-5.82637
LOC402117	0.142717	-15.7897	15.7897	1 up vs 2	2.84354	77.6239	163.79	1	-12.5534	-6.0068	5.29747	-3.18943	-2.4102	3.49932	3.02913	-3.90299
LOC439951	0.0815479	2.60247	2.60247	1 up vs 2	4.36997	15.5073	21.2917	1	-5.90353	-2.98731	-3.2204	-4.35121	-3.75676	-2.7221	2.00714	-2.05053
LOC440092	0.0108563	-2.15782	2.15782	1 up vs 2	13.2376	171.982	77.952	1	-7.37108	8.52518	2.3504	-3.05893	-9.20315	-2.0972	2.46807	3.91793
LOC440160	0.105583	-1.36512	1.36512	1 up vs 2	3.6252	10185.5	16857.8	1	-127.912	93.7718	7.30408	2.38717	-2.09804	16.7526	40.4688	-2.48279
LOC440366	0.126793	-2.44661	2.44661	1 up vs 2	3.13957	174.376	333.248	1	5.85437	-16.0682	7.13785	9.6699	5.01271	3.12408	-2.13095	-6.05287
LOC440525	0.84191	2.68102	2.68102	1 up vs 2	0.0433753	0.867578	120.01	1	8.62648	-2.13241	2.40231	-3.22443	-2.14742	-3.3814	2.57483	2.55992
LOC441061	0.0968901	-3.02992	3.02992	1 up vs 2	3.86504	3834.95	5953.3	1	-7.84686	5.09679	14.3431	-2.03071	-92.1307	3.4711	35.3474	-2.14683
LOC441131	0.886385	1.27101	1.27101	1 up vs 2	0.022221	1.41152	381.13	1	4.54581	-2.26476	-5.81594	5.30411	2.35771	2.39273	19.4405	2.25529
LOC441368	0.793974	1.39187	1.39187	1 up vs 2	0.074553	4.87646	392.456	1	4.81678	2.66215	-3.27651	15.6052	-3.23761	-1.69705	14.2481	8.64046
LOC441495	0.718873	1.92385	1.92385	1 up vs 2	0.142423	6.90521	290.903	1	2.91436	2.59535	-2.96239	-17.1057	2.20245	-2.48795	-5.24529	-2.28592
LOC441642	0.00422455	-1.43456	1.43456	1 up vs 2	20.0064	51.5721	15.4667	1	-3.28526	2.62758	2.52901	-2.14583	-3.83991	-1.0719	3.77631	2.90999
LOC442060	0.214584	-1.58088	1.58088	1 up vs 2	1.92556	105.546	328.879	1	-11.7944	-2.78111	-2.22527	3.34303	-5.33573	1.36196	15.2522	2.92745
LOC442388	0.224758	330.19	330.19	1 up vs 2	1.83108	510411	1.67E+06	1	-6.92743	3.15375	7.29563	1579.05	-2.12839	-8.67397	19.2778	-13.1285
LOC554235	0.0236759	18.0218	18.0218	1 up vs 2	9.06495	12529.1	8292.91	1	-20.1459	-4.04082	-8.8971	-148.415	-91.0804	-6.80281	-2.25275	-2.01825
LOC641738	0.40635	18.3201	18.3201	1 up vs 2	0.797075	30.4312	229.072	1	14.5697	-2.34115	2.1234	-4.13028	2.34432	3.43515	-4.56877	2.51437
LOC641938	0.497096	2.38391	2.38391	1 up vs 2	0.522192	55.5264	638	1	-21.0946	-18.505	-5.05919	-9.905	2.87716	5.86281	2.4292	-4.38914
LOC642072	0.177123	-67.7934	67.7934	1 up vs 2	2.33795	6264.81	16077.7	1	-160.243	-3.31094	2.83236	-2.5	-8.14643	-3.50182	3.60309	4.57854
LOC642197	0.061867	-4.70838	4.70838	1 up vs 2	5.24826	448.401	512.628	1	-5.51049	4.7837	2.28509	-2.08226	-30.6732	-1.10332	5.17221	2.40765
LOC642290	0.218445	-330.186	330.186	1 up vs 2	1.88896	211.173	670.762	1	-30.6746	3.61271	-3.28392	2.47517	-3.54201	1.47521	2.3118	-3.95558
LOC642316	0.0399634	-2.76413	2.76413	1 up vs 2	6.82737	286.134	251.459	1	17.2324	-11.011	2.41607	2.31546	7.6666	-7.10368	-2.93407	2.22341
LOC642356	0.143477	-1.52129	1.52129	1 up vs 2	2.83057	50.497	107.039	1	-3.58228	6.36531	-6.44104	-2.83526	-2.97628	6.047	2.11178	2.20848
LOC642398	0.107595	-3.89345	3.89345	1 up vs 2	3.57355	142.559	239.357	1	-11.5601	13.3501	-3.622	-2.74006	-6.51296	-2.09505	3.76209	-2.48567
LOC642408	0.289777	-10.7656	10.7656	1 up vs 2	1.3477	705.782	3142.17	1	-59.6783	2.42383	-6.13288	4.37999	2.04092	-5.46467	20.7782	-3.35945
LOC642681	0.0606564	-2.39037	2.39037	1 up vs 2	5.31451	252.347	284.896	1	-9.13333	4.31998	16.2079	-3.35759	-12.047	-2.44569	2.38619	-3.35953
LOC643219	0.23784	-1.045	1.045	1 up vs 2	1.71835	333.383	1164.08	1	-4.76692	-2.28176	2.73154	-12.1798	-3.49492	-1.41575	36.208	-2.63982
LOC643246	0.856044	1.84203	1.84203	1 up vs 2	0.0358625	2.33451	390.578	1	-5.3899	4.00832	-6.67909	-2.30931	15.0222	3.81197	8.5274	-3.04276
LOC643326	0.153579	22.9791	22.9791	1 up vs 2	2.66683	1155.19	2599.02	1	-8.95777	-5.07632	4.08709	-66.8721	-2.02228	1.88925	-4.28207	-2.26454
LOC643495	0.23299	-887.245	887.245	1 up vs 2	1.75907	2314.45	7894.34	1	105.92	-2.96686	-4.56713	-3.50151	2.86372	1.6613	15.1073	-9.43238
LOC643558	0.148296	7.3322	7.3322	1 up vs 2	2.75051	65.1291	142.074	1	-3.97656	2.23776	2.42547	-5.35054	-11.1462	-6.56733	4.08614	-6.83578
LOC643817	0.131741	-1.91902	1.91902	1 up vs 2	3.04227	30.3994	59.9541	1	-3.36634	4.66615	2.98281	-2.18466	-2.39037	-1.3156	4.53104	-3.96733
LOC643906	0.444067	-2.76723	2.76723	1 up vs 2	0.670836	73.3517	656.063	1	5.92685	-2.46599	11.305	-21.8702	2.16019	7.16619	-3.57041	-4.13336
LOC643920	0.79852	-1.05664	1.05664	1 up vs 2	0.0712085	2.89837	244.215	1	-7.19051	8.28299	4.1285	7.78375	-2.50955	-1.16813	-2.1265	-6.09421
LOC643938	0.106394	-2.34082	2.34082	1 up vs 2	3.60422	986.221	1641.78	1	5.38258	3.29373	6.58796	-10.2865	-43.3045	24.0224	-2.09382	2.51414
LOC644019	0.830796	1.48105	1.48105	1 up vs 2	0.0498113	11.22	1351.5	1	-4.81076	5.33323	3.76556	-2.82264	-14.9608	-2.19787	4.15967	-36.4865
LOC644035	0.355505	3.22252	3.22252	1 up vs 2	1.00185	77.7315	465.527	1	13.8127	6.53516	5.73734	-5.98894	20.1834	-5.23421	2.27772	5.16912
LOC644065	0.292709	9.09197	9.09197	1 up vs 2	1.32976	75.2036	339.327	1	-5.16977	-3.18622	-6.7534	-18.5516	2.37404	-3.51823	6.2005	3.34413
LOC644193	0.217432	-611.343	611.343	1 up vs 2	1.89847	53945.6	170492	1	-3.77307	4.65187	-3.18867	2.1087	-506.365	1.4683	-6.43759	4.8911
LOC644330	0.0980662	-3.79895	3.79895	1 up vs 2	3.83089	39.6467	62.0952	1	-5.92535	3.01997	2.34204	-2.47209	-2.52303	-3.44594	5.19506	-2.32013
LOC644415	0.0926722	-1.39503	1.39503	1 up vs 2	3.99234	265.25	398.639	1	-2.46154	6.51457	18.5094	-15.1828	-3.13925	1.52109	3.05961	-4.77411
LOC644452	0.89613	1.20101	1.20101	1 up vs 2	0.018546	5.83896	1889.02	1	41.9195	10.2433	23.8291	-2.0279	-8.26087	-3.55076	5.36577	8.00705
LOC644563	0.0767571	-7.97039	7.97039	1 up vs 2	4.55504	542.336	714.377	1	-33.758	-9.80292	2.40004	-3.7655	-7.81039	3.99209	5.51133	7.37911
LOC644650	0.0461296	-3.32316	3.32316	1 up vs 2	6.28185	284.685	271.912	1	-2.85325	4.88763	2.13555	-2.76169	-22.8004	2.47293	2.07851	2.67655
LOC644684	0.000372241	-1.27138	1.27138	1 up vs 2	51.3804	77.1862	9.0135	1	-4.34941	3.98918	2.17262	-2.297	-4.12756	1.15542	4.19028	2.61625
LOC644710	0.270118	3.87913	3.87913	1 up vs 2	1.47545	240.572	978.3	1	-11.6724	-7.19819	2.84046	-13.9409	-20.1709	3.49699	10.1899	-29.0003

Gene ID	p-value (1 vs. 2)	MeanRatio (1 vs. 2)	FoldChange (1 vs. 2)	FoldChange (1 vs. 2)	F(Gene Group)	SS(Gene Group)	SS(Error)	F(Error)	FoldChange (106 vs. n)	FoldChange (111 vs. n)	FoldChange (112 vs. n)	FoldChange (121 vs. n)	FoldChange (347 vs. n)	FoldChange (353 vs. n)	FoldChange (537 vs. n)	FoldChange (563 vs. n)
LOC644964	0.844768	1.46928	1.46928	1 up vs 2	0.041796	6.15399	883.433	1	22.9636	7.69774	-5.59313	-3.65518	-2.2918	-4.72437	2.14707	19.7754
LOC645029	0.186617	-1.10734	1.10734	1 up vs 2	2.22234	181.201	489.216	1	2.45724	-5.30713	-2.54873	-13.2283	-4.7259	17.5302	2.3765	11.2738
LOC645381	0.0202633	-2.64357	2.64357	1 up vs 2	9.81179	241.676	147.787	1	-7.1007	3.4894	2.87568	-2.37212	-15.2388	2.96122	8.73264	-2.47921
LOC645413	0.688571	2.4433	2.4433	1 up vs 2	0.177056	8.89829	301.542	1	-11.8915	2.50727	-2.38588	9.29537	-8.4674	1.32896	-4.44874	-4.54845
LOC645520	0.425841	16.7014	16.7014	1 up vs 2	0.729451	16.5466	136.102	1	-2.44528	4.12481	-9.38619	-2.76614	-4.26817	-2.30936	2.31353	4.31122
LOC645534	0.933786	1.18568	1.18568	1 up vs 2	0.00750432	0.829948	663.577	1	-4.73122	4.80333	2.70758	-2.79549	-5.21856	-25.4318	4.86607	-4.86074
LOC645785	0.124952	-10.5714	10.5714	1 up vs 2	3.17713	720.829	1361.28	1	-4.02468	-5.22197	2.96779	-2.47025	-47.2433	2.52152	2.1135	6.09142
LOC645822	0.503977	2.25562	2.25562	1 up vs 2	0.505019	35.1512	417.622	1	-14.0419	2.9824	-3.80783	-3.6723	-5.62031	-8.84406	8.17311	-15.7454
LOC645835	0.79811	2.42986	2.42986	1 up vs 2	0.0715065	1.89766	159.23	1	3.4106	-5.64522	7.21716	-4.02051	5.73873	-3.35879	2.1856	3.11916
LOC645983	0.168923	10.2181	10.2181	1 up vs 2	2.44512	578.687	1420.02	1	6.93047	6.4604	10.7496	48.353	3.13784	-1.15031	-3.12892	-3.40172
LOC646139	0.278412	-1.79028	1.79028	1 up vs 2	1.4199	77.7455	328.526	1	3.01269	2.0847	-3.4756	15.5079	-6.12603	-8.79102	-4.18805	2.8312
LOC646187	0.0062618	-2.44609	2.44609	1 up vs 2	16.9208	289.593	102.688	1	-3.08674	5.40869	5.03934	-14.3864	-8.99118	-1.82741	5.58854	3.82253
LOC646332	0.194161	-1.7364	1.7364	1 up vs 2	2.13629	12627.2	35464.8	1	-157.475	152.163	-2.04439	3.63166	-2.37939	1.64444	6.761	-8.57534
LOC646358	0.0798798	-1.59182	1.59182	1 up vs 2	4.43268	36.5798	49.5138	1	-2.81613	3.36934	2.46269	-3.20106	-2.12104	-1.24724	6.2527	-2.31658
LOC646388	0.294568	15.5678	15.5678	1 up vs 2	1.31852	561.958	2557.22	1	-2.71677	4.05651	14.2095	-4.10808	-48.6768	1.2837	5.31625	-30.8079
LOC646492	0.0196578	-4.63003	4.63003	1 up vs 2	9.96204	92.4889	55.7048	1	-6.72781	5.09563	3.36513	-6.54404	-4.05575	-2.67494	2.91688	-2.4653
LOC647049	0.780384	-7.55012	7.55012	1 up vs 2	0.0850525	22.5413	1590.17	1	-4.67442	-31.8805	5.50988	9.03845	-13.5493	6.21924	11.6503	10.5287
LOC647135	0.10212	-1.86496	1.86496	1 up vs 2	3.71739	323.872	522.741	1	-19.4649	17.0163	2.27696	-4.02224	-2.17886	-4.3122	11.1457	-3.18974
LOC647468	0.0812892	-1.80617	1.80617	1 up vs 2	4.37958	305.18	418.095	1	-11.5522	4.4554	-4.3277	-4.97141	-8.11086	-1.70323	3.12954	21.1778
LOC647529	0.0791621	-1.58835	1.58835	1 up vs 2	4.46022	544.696	732.739	1	-7.40193	24.9964	-4.2589	-2.93009	-21.0457	-1.27639	10.9872	2.47646
LOC647544	0.077398	-1.09481	1.09481	1 up vs 2	4.52938	581.7	770.57	1	-6.4038	28.4006	-4.61037	-3.39366	-17.8188	1.10198	12.5831	4.56578
LOC647592	0.303412	217.647	217.647	1 up vs 2	1.26653	23.5026	111.34	1	-8.60598	-2.86494	-2.78559	2.07628	-4.14064	2.55879	-2.15079	5.16082
LOC647704	0.209234	7.5134	7.5134	1 up vs 2	1.97789	839.484	2546.6	1	-64.2812	-3.49233	2.17605	-3.05416	-5.88902	-4.78057	2.65018	-12.7964
LOC647876	0.361143	2.74422	2.74422	1 up vs 2	0.976854	54.3269	333.685	1	-6.52824	-9.67326	3.5497	-16.4605	-2.41783	-1.49349	4.40389	-12.2172
LOC648025	0.138596	-2.1274	2.1274	1 up vs 2	2.91557	477.22	982.078	1	-4.81711	4.31504	2.32615	-34.2972	6.55722	2.25646	13.5943	3.01424
LOC648494	0.15212	-2.57402	2.57402	1 up vs 2	2.68953	157.323	350.967	1	-4.58628	2.99648	2.81456	-3.03769	-12.1672	-3.65208	16.4872	-5.83145
LOC648639	0.10493	-1.89901	1.89901	1 up vs 2	3.64228	1331.5	2193.41	1	-29.6028	-2.77737	2.16683	-12.9077	-9.85787	1.56687	48.6017	-3.59703
LOC648716	0.0299318	-1.64414	1.64414	1 up vs 2	8.01263	162.645	121.791	1	-2.32196	2.36101	9.10499	-10.2713	-4.78053	-3.106	2.41489	6.83699
LOC648718	0.207283	22.7609	22.7609	1 up vs 2	1.99745	2126.15	6386.57	1	-92.7477	-13.7636	-2.42314	-8.9368	-3.98018	-1.35285	29.1622	-19.3599
LOC649371	0.485598	-27.9095	27.9095	1 up vs 2	0.551908	45.5033	494.683	1	3.29169	8.91743	4.87563	-15.4357	-2.12367	-1.04506	2.23542	-14.1314
LOC649477	0.163497	-1.88775	1.88775	1 up vs 2	2.52016	5556.84	13229.7	1	-100.035	52.2696	-4.03128	-4.21528	-2.51235	1.00637	72.5698	-27.5553
LOC649944	0.300687	-1.26596	1.26596	1 up vs 2	1.2823	540.464	2528.88	1	-42.1492	4.65927	5.61092	-7.54525	21.2386	2.2268	27.0625	-2.09661
LOC649946	0.00178969	-1.67107	1.67107	1 up vs 2	28.3366	143.773	30.4425	1	-6.43616	3.72691	2.43645	-2.23399	-7.76479	1.2092	2.84395	6.17513
LOC650005	0.716644	-2.85553	2.85553	1 up vs 2	0.144821	142.679	5911.28	1	-3.00082	2.47071	8.9705	44.1971	-60.5785	-1.28243	13.6358	-12.4819
LOC650325	0.408417	6.36171	6.36171	1 up vs 2	0.789647	264.701	2011.29	1	-2.17924	-2.1054	2.5196	-3.67409	48.1464	12.8827	6.52545	-8.74224
LOC650330	0.205322	5.03807	5.03807	1 up vs 2	2.01739	264.086	785.427	1	2.70843	7.38525	-2.79888	36.1387	5.57339	-1.03984	8.43239	2.71603
LOC650494	0.250806	5.13063	5.13063	1 up vs 2	1.61524	3865.2	14357.7	1	-12.1541	-15.5448	-10.7875	-153.713	-3.31745	-9.85301	-2.85964	-15.914
LOC650612	0.321681	5.01565	5.01565	1 up vs 2	1.16614	400.181	2059.01	1	-9.61376	9.81123	-3.30175	-47.5322	2.40402	-2.01721	-25.4496	2.76695
LOC650803	0.00942581	-2.15278	2.15278	1 up vs 2	14.1191	214.486	91.1473	1	-2.52121	2.32474	2.04843	-5.12095	-14.267	1.64961	5.01665	5.92252
LOC650834	0.176296	8.23395	8.23395	1 up vs 2	2.34844	138.062	352.734	1	18.8604	2.39298	-2.56702	13.5324	-3.09122	-4.6449	3.65805	7.09194
LOC650853	0.00619408	-1.57389	1.57389	1 up vs 2	17.0007	50.201	17.7173	1	-2.14299	2.22528	2.73756	-2.49498	-4.85411	-1.06188	3.81316	2.33747
LOC651208	0.186751	15.2002	15.2002	1 up vs 2	2.22077	82.1581	221.972	1	3.92292	4.50825	-11.3434	4.80452	12.5295	3.27007	2.19111	3.70475
LOC651319	0.804103	3.11612	3.11612	1 up vs 2	0.0672143	3.1404	280.333	1	-2.94298	3.86713	3.19858	-5.85392	3.07965	-1.92006	5.33656	-13.5401
LOC651371	0.247806	17.6414	17.6414	1 up vs 2	1.63839	17268.7	63240.5	1	3.12841	6.7596	6.10813	306.936	-4.85785	2.70388	2.40435	10.8584
LOC651603	0.488216	-3.85498	3.85498	1 up vs 2	0.545028	30.5298	336.091	1	-6.04371	3.05887	7.69774	12.7552	2.90059	-3.84723	-8.53888	-2.5262
LOC651619	0.253685	-23.4913	23.4913	1 up vs 2	1.5934	157.486	593.018	1	-3.17903	2.97302	5.22328	-25.3664	2.17382	-3.81201	-8.78795	6.27468
LOC651732	0.576653	-12.7387	12.7387	1 up vs 2	0.348224	27.1891	468.475	1	-4.91528	-6.02743	-5.24521	-3.30511	-2.37208	10.4679	-10.9407	13.1313
LOC651809	0.0890549	-1.39109	1.39109	1 up vs 2	4.10801	1191.98	1740.96	1	2.47011	-2.26777	-15.6006	43.9067	-2.37067	-2.81145	-5.22687	-26.8173
LOC652077	0.872939	1.6685	1.6685	1 up vs 2	0.0278524	5.48187	1180.91	1	-12.9756	-28.2231	-7.44173	-3.52871	3.70134	9.75047	2.05654	11.0689
LOC652355	0.238284	211.882	211.882	1 up vs 2	1.71469	171.807	601.182	1	-2.08713	2.60565	-2.84574	-28.8748	2.10864	-1.19522	3.69398	-2.48563
LOC652383	0.70039	2.75379	2.75379	1 up vs 2	0.163018	12.7116	467.86	1	19.1993	10.0044	-3.90363	-4.47037	-2.46377	1.06618	-2.86038	3.11662
LOC652388	0.0620342	-6.06647	6.06647	1 up vs 2	5.23924	131.235	150.291	1	-15.0698	3.43009	2.09152	-3.68696	-2.78985	-2.35964	5.74145	-2.98383

Gene ID	p-value (1 vs. 2)	MeanRatio (1 vs. 2)	FoldChange (1 vs. 2)	FoldChange (1 vs. 2)	F(Gene Group)	SS(Gene Group)	SS(Error)	F(Error)	FoldChange (106 vs. n)	FoldChange (111 vs. n)	FoldChange (112 vs. n)	FoldChange (121 vs. n)	FoldChange (347 vs. n)	FoldChange (353 vs. n)	FoldChange (537 vs. n)	FoldChange (563 vs. n)
LOC652526	0.0854603	-5.99572	5.99572	1 up vs 2	4.22951	283.365	401.982	1	-20.8508	9.83007	-7.92994	-8.26862	-2.48896	2.39219	7.98271	-3.48865
LOC652571	0.361377	11.1326	11.1326	1 up vs 2	0.975831	17.0144	104.615	1	10.2731	2.13654	-2.1673	2.34083	-2.68495	1.5083	2.02391	-2.01498
LOC652730	0.816424	1.63808	1.63808	1 up vs 2	0.0588363	14.445	1473.07	1	-8.24368	-35.5466	2.50471	-2.59722	-10.5358	2.41693	14.9074	-6.03224
LOC653088	0.731809	3.60616	3.60616	1 up vs 2	0.128963	3.72596	173.35	1	2.32904	-9.61333	2.51828	5.81039	-2.28771	1.31315	2.61276	5.87364
LOC653103	0.131269	-6.99938	6.99938	1 up vs 2	3.05133	394.452	775.635	1	-6.15429	21.6245	-3.18829	-7.64926	-24.2698	-6.35999	4.2867	-7.29704
LOC653147	0.00154374	-1.15065	1.15065	1 up vs 2	30.0279	135.988	27.1724	1	-7.75124	6.3849	2.75651	-2.21042	-3.70761	2.60147	4.91079	3.14564
LOC653249	0.309221	-16.0607	16.0607	1 up vs 2	1.23362	126.942	617.41	1	-2.44188	-12.4082	2.6981	2.81014	-23.6058	2.57442	2.12505	7.42206
LOC653349	0.189657	4.24986	4.24986	1 up vs 2	2.18708	63.0986	173.104	1	9.83619	2.43545	3.67618	4.67006	8.25208	-2.57518	10.8928	-5.50413
LOC653803	0.0589748	-1.02932	1.02932	1 up vs 2	5.40958	1138.78	1263.07	1	-14.7435	9.18048	17.931	-6.6374	-16.1199	-3.18234	39.0746	-2.28291
LOC654134	0.884088	1.33393	1.33393	1 up vs 2	0.0231368	6.33774	1643.55	1	-6.64174	-3.47522	2.88227	30.8041	-2.12982	1.84378	-4.04179	30.3193
LOC654350	0.017538	-1.40109	1.40109	1 up vs 2	10.5413	193.254	109.998	1	-12.0795	7.67538	4.22798	-2.30265	-3.3901	-1.02822	7.52281	2.74304
LOC654433	0.800744	1.85296	1.85296	1 up vs 2	0.0696019	97.2577	8384.06	1	66.1132	3.99784	2.36617	-56.3285	37.1529	6.65648	9.18756	20.0106
LOC727768	0.258391	88.5803	88.5803	1 up vs 2	1.55849	302.795	1165.73	1	-16.4417	4.36564	-2.36578	12.3705	-34.4878	-1.55076	-3.82087	2.64627
LOC727896	0.819491	1.53852	1.53852	1 up vs 2	0.0568429	1.92706	203.409	1	7.80269	9.1344	-3.39542	-3.14816	4.03451	-1.48113	7.51605	-2.36111
LOC727934	0.142193	-3.65581	3.65581	1 up vs 2	2.85253	287.243	604.187	1	-24.8512	15.5552	2.4799	-2.12806	-2.17714	-1.20114	2.71302	-6.2547
LOC728196	0.128312	-1.03846	1.03846	1 up vs 2	3.10915	370.946	715.847	1	-6.37658	2.07818	30.013	-10.8986	-4.22108	1.72215	-3.0011	3.68809
LOC728257	0.0396158	-1.10328	1.10328	1 up vs 2	6.86148	411.143	359.523	1	-14.8993	9.88978	2.31907	-5.46644	-2.93695	-2.60757	6.08537	19.5154
LOC728649	0.683586	2.5489	2.5489	1 up vs 2	0.183186	16.9275	554.439	1	-3.35552	4.58897	6.62299	-7.83391	-3.64418	-21.8701	3.39543	-2.43664
LOC728728	0.407162	4.60507	4.60507	1 up vs 2	0.79415	264.832	2000.87	1	49.2553	5.32956	-4.23621	-7.78155	4.06999	5.16127	12.7994	-2.57082
LOC728804	0.227243	-1.76988	1.76988	1 up vs 2	1.80894	43.9791	145.873	1	2.62116	6.56061	2.79913	-8.69214	-3.21284	2.41415	-5.74909	2.71763
LOC729047	0.444284	6.61383	6.61383	1 up vs 2	0.670166	41.5683	372.162	1	-4.52135	3.95043	2.48219	-18.3592	6.23893	-1.6396	-6.32784	-2.65882
LOC729051	0.986763	1.03403	1.03403	1 up vs 2	0.00029908	0.0766141	1537.02	1	-2.47285	-6.76266	-3.44214	-5.29952	-10.6565	-35.0576	-3.86748	19.4258
LOC729135	0.531336	-1.22317	1.22317	1 up vs 2	0.440954	100.853	1372.29	1	-2.93792	35.9338	-4.59227	-2.2813	-6.88617	-1.72412	-4.02217	-9.10063
LOC729533	0.17294	-3.8583	3.8583	1 up vs 2	2.39172	27.0759	67.924	1	-3.54432	2.83584	3.55578	-2.53893	-2.9704	1.58204	2.38636	-6.44912
LOC729609	0.158491	-12.8377	12.8377	1 up vs 2	2.59258	2058.15	4763.17	1	-3.18703	2.2927	2.44138	-2.08353	-86.9404	-1.17717	2.62797	5.78649
LOC729666	0.145897	-41.4703	41.4703	1 up vs 2	2.7899	1773.97	3815.14	1	-4.9369	8.71448	2.1995	-79.5232	-5.64434	-6.14545	2.93769	-4.08498
LOC729887	0.545864	2.76909	2.76909	1 up vs 2	0.409506	139.398	2042.43	1	5.75374	-25.3148	-14.9213	-5.06084	-41.1818	3.40742	5.84998	6.60915
LOC729898	0.0225039	-1.62246	1.62246	1 up vs 2	9.3042	68.3968	44.1071	1	-2.32601	3.70952	2.76658	-3.11102	-5.77293	2.17519	5.5462	-2.68212
LOC729905	0.00286862	-2.91555	2.91555	1 up vs 2	23.4659	123.342	31.5373	1	-5.21308	3.98601	2.06448	-6.12638	-6.77826	1.61895	4.90546	-2.21796
LOC730105	0.493927	4.15179	4.15179	1 up vs 2	0.530254	12.3162	139.362	1	-3.46626	7.93984	-2.78917	-2.42104	-4.241	-6.87966	-4.34008	2.00323
LOC730379	0.142234	-2.60244	2.60244	1 up vs 2	2.85182	9804.75	20628.4	1	-146.344	-2.41106	-4.22703	-2.67159	-7.70381	8.5717	2.28429	96.1491
LOC732157	0.163079	-11.0941	11.0941	1 up vs 2	2.52608	2821.06	6700.64	1	-2.098	5.19561	5.69317	-2.44052	-102.206	-2.23245	4.72826	2.6516
LOC732393	0.317627	2.07948	2.07948	1 up vs 2	1.18764	7.59503	38.3703	1	-3.18525	-4.26516	-3.29499	-6.09125	-2.35472	-1.11785	-3.28408	2.63987
LOC81691	0.0982271	-1.89256	1.89256	1 up vs 2	3.82626	1776.81	2786.23	1	-58.479	29.7189	9.51496	3.01109	-4.95593	7.26698	9.14532	-2.43448
LONRF2	0.0197682	-3.08417	3.08417	1 up vs 2	9.93418	348.807	210.671	1	-13.9326	5.36831	2.3049	-13.8076	-3.15905	1.75137	11.5831	-4.3099
LPPR4	0.0251247	-16.0624	16.0624	1 up vs 2	8.7903	6543.11	4466.14	1	-103.97	-2.81343	2.2304	-17.2792	-45.5843	4.83847	22.2772	-9.22171
LPXN	0.0094712	-1.11821	1.11821	1 up vs 2	14.0884	86.3594	36.7789	1	-2.68556	5.17007	2.71556	-2.78581	-5.2767	-1.43215	3.81245	5.75376
LRFN5	0.169567	-4.44679	4.44679	1 up vs 2	2.43644	947.771	2333.99	1	-18.5633	-16.551	-2.17407	-4.94645	-31.5556	6.09782	41.0863	-7.82046
LRRC16	0.0334734	-2.91861	2.91861	1 up vs 2	7.53992	218.523	173.893	1	-6.87446	-2.41677	2.27192	-9.27697	-7.97057	2.28452	13.7245	-2.08935
LRRCC1	0.344051	12.3226	12.3226	1 up vs 2	1.05463	157.232	894.523	1	-2.33566	7.2823	-2.95292	4.95543	-32.5181	1.01281	-3.82721	-5.55881
LUC7L	0.104556	-3.33413	3.33413	1 up vs 2	3.65211	237.071	389.481	1	-21.704	-3.53144	-2.74325	-2.22707	-2.0191	6.34567	2.98473	9.91628
LYN	0.0081865	-1.97066	1.97066	1 up vs 2	15.0415	83.9844	33.5012	1	-2.14223	3.61648	3.39938	-7.19704	-3.97995	-1.59365	3.80028	2.04211
LYNX1	0.220503	16.8119	16.8119	1 up vs 2	1.86982	4991.21	16016.1	1	-157.706	-7.39174	-7.25146	-2.88465	-3.98151	3.30361	3.48985	-8.46531
LYPLAL1	0.00681671	-1.52026	1.52026	1 up vs 2	16.3069	90.9977	33.4818	1	-6.83997	4.39299	2.83079	-2.0476	-3.71932	-1.21789	4.41723	3.39789
LZTS1	0.0234492	-3.59836	3.59836	1 up vs 2	9.10996	3123.6	2057.26	1	-52.7996	6.73208	2.07026	-5.6962	-37.3228	2.88393	35.1351	-2.44071
MAGEA2	0.0201759	-4.03069	4.03069	1 up vs 2	9.83309	121.832	74.3399	1	-4.61014	-2.19008	2.29358	-2.36975	-12.3956	1.87189	3.10337	2.9329
MAK16	0.021988	-1.22897	1.22897	1 up vs 2	9.41486	233.799	148.998	1	-9.14815	13.9314	2.60046	-2.26453	-7.0578	-1.02445	3.73111	5.81027
MAL2	0.502956	4.31115	4.31115	1 up vs 2	0.507537	28438	336188	1	-264.042	156.832	-46.763	-4.97114	-212.03	79.6616	129.826	-505.525
MAMDC2	0.162038	-1.12951	1.12951	1 up vs 2	2.54095	842.86	1990.27	1	-28.6124	44.1864	-2.34489	-2.82576	-2.29904	3.56991	7.33929	-2.96933
MAP1B	0.0807027	-6.40708	6.40708	1 up vs 2	4.40152	276.52	376.943	1	-16.5342	5.72038	3.04571	-7.54501	-7.43434	-1.76981	12.642	-11.4407
MAP2	0.205898	-2.98584	2.98584	1 up vs 2	2.0115	382.174	1139.97	1	-25.4062	5.83102	2.12718	-2.7829	-3.89559	2.35887	23.8704	-16.2781
MAP3K2	0.141294	-4.48228	4.48228	1 up vs 2	2.86807	4085.23	8546.31	1	-13.64	3.58357	4.34345	-103.02	2.1702	-14.8987	47.0567	2.48628

Gene ID	p-value (1 vs. 2)	MeanRatio (1 vs. 2)	FoldChange (1 vs. 2)	FoldChange (1 vs. 2)	F(Gene Group)	SS(Gene Group)	SS(Error)	F(Error)	FoldChange (106 vs. n)	FoldChange (111 vs. n)	FoldChange (112 vs. n)	FoldChange (121 vs. n)	FoldChange (347 vs. n)	FoldChange (353 vs. n)	FoldChange (537 vs. n)	FoldChange (563 vs. n)
MAPK1	0.0260321	-3.08224	3.08224	1 up vs 2	8.6289	318.569	221.513	1	-8.38525	2.11792	2.25321	-2.65748	-18.4823	2.85729	11.0093	-2.27259
MAPK1	0.0797925	-1.5502	1.5502	1 up vs 2	4.43601	146.939	198.745	1	-8.03778	3.6516	2.18568	-3.2919	-4.814	-1.08102	14.9195	-2.31921
MAPK11	0.139575	-2.99388	2.99388	1 up vs 2	2.89819	238.031	492.786	1	-19.4189	-2.40533	-3.43643	-2.13721	-3.78216	-1.00972	17.9755	2.98155
MAPK14	0.120058	-2.41438	2.41438	1 up vs 2	3.28082	822.844	1504.83	1	-39.1628	11.1077	5.97371	-2.63355	-2.64354	-2.28972	23.9617	-8.07615
11-Mar	0.208994	6.52082	6.52082	1 up vs 2	1.98028	983.288	2979.24	1	-54.9072	-4.62892	10.6946	-9.99761	-16.2398	-1.69045	14.1591	-39.2742
MARLIN1	0.111869	-4.6615	4.6615	1 up vs 2	3.4681	553.035	956.781	1	-5.37119	11.205	3.91666	-2.37701	-34.6738	-2.16485	11.5426	-9.3319
MAT2B	0.214963	-44.467	44.467	1 up vs 2	1.92193	172780	539396	1	-896.467	3.30317	3.0342	-2.29751	8.11082	11.3798	12.5214	3.14401
MBD3L1	0.413527	6.71761	6.71761	1 up vs 2	0.771547	179.919	1399.16	1	-41.0555	2.81653	-2.55145	2.94128	3.58715	-2.37755	-8.84882	2.39498
MCAT	0.0486808	-1.36971	1.36971	1 up vs 2	6.08418	346.684	341.887	1	-19.0005	9.09074	12.7272	-2.02573	-2.55257	2.66043	7.56632	-3.35404
MCTP1	0.0578259	45.1317	45.1317	1 up vs 2	5.47667	62199.3	68142.8	1	-158.596	-2.97511	2.67915	-381.723	-18.4655	-5.50836	14.328	-29.159
MED13	0.565363	-180.419	180.419	1 up vs 2	0.369884	27.3861	444.239	1	-2.79749	12.8765	3.13122	-3.62707	-4.97756	-5.3195	4.24571	-14.8286
MEGF8	0.0122868	-5.55941	5.55941	1 up vs 2	12.4992	171.542	82.3455	1	-4.75258	2.84965	3.04706	-13.3458	-6.22199	-1.27662	5.08549	-2.41453
MGC119295	0.197024	-13.7201	13.7201	1 up vs 2	2.10487	10921.7	31132.7	1	-213.22	29.2662	4.23656	3.5487	-3.73731	-1.04566	2.29832	-8.8313
MGC23284	0.176136	-17.503	17.503	1 up vs 2	2.35047	106.017	270.626	1	-2.58329	-6.4838	7.65992	-2.9365	-15.8194	2.35664	4.26435	-5.76515
MGC23284	0.367543	-645.43	645.43	1 up vs 2	0.949228	1217.52	7695.87	1	17.4907	2.35921	-9.49729	2.1659	-95.9851	2.19095	2.98406	2.16017
MGC34829	0.167595	-3.17064	3.17064	1 up vs 2	2.46316	9958.76	24258.5	1	-15.4036	9.46891	-2.79814	-147.958	-2.85235	2.62787	108.697	-30.6243
MGC35440	0.0230094	-7.47819	7.47819	1 up vs 2	9.19901	630.771	411.417	1	-11.5106	7.84071	-2.6771	-6.48213	-30.5417	1.6399	6.08843	-2.07505
MGC39606	0.159549	32.6656	32.6656	1 up vs 2	2.577	2121.95	4940.5	1	-90.107	-2.67526	-13.0425	-2.81681	-11.1858	1.67815	11.0192	-2.29148
MGC40489	0.0500236	-1.21684	1.21684	1 up vs 2	5.98568	158.387	158.766	1	-3.50751	13.438	2.42789	-9.5703	-2.05706	-1.79559	2.5991	4.06041
MGC4677	0.217934	-27.9614	27.9614	1 up vs 2	1.89375	8656.75	27427.3	1	6.01	2.43275	-3.09422	-200.63	-2.18556	3.69366	5.99334	2.70527
MIR124-2	0.903529	1.11232	1.11232	1 up vs 2	0.0159822	0.370096	138.941	1	-6.43778	-4.6467	-2.00618	-4.52295	-2.23903	-11.4768	4.15802	-5.80654
MIR1302-3	0.186456	-8.8772	8.8772	1 up vs 2	2.22423	17.7987	48.0133	1	-2.81096	3.5609	2.11591	-2.31048	-3.18581	2.73506	-3.42486	-3.42735
MIR380	0.903303	1.18889	1.18889	1 up vs 2	0.0160575	0.210796	78.7654	1	-2.88075	2.15823	3.00365	6.40647	2.80533	-3.30773	2.67395	4.34716
MIR548F5	0.166358	-16.2748	16.2748	1 up vs 2	2.48017	6052.41	14641.9	1	-3.45822	2.82709	3.45813	-4.81827	-152.302	5.33855	2.29754	2.52319
MIRLET7D	0.174799	-13.9972	13.9972	1 up vs 2	2.3676	8094.69	20513.6	1	-4.89144	24.2158	2.1526	-176.344	-2.73648	-10.1976	7.93573	-2.2007
MKX	0.429743	2.41551	2.41551	1 up vs 2	0.716541	70.1222	587.172	1	-7.90284	-2.14116	-19.6535	-7.95416	-15.4502	8.38571	4.50765	-12.7002
MMP14	0.240361	21.7666	21.7666	1 up vs 2	1.69767	135485	478840	1	3.63925	2.57581	3.08097	-3.46275	845.086	-3.75477	60.0047	2.81485
MMP17	0.134702	-2.26472	2.26472	1 up vs 2	2.98645	17279.4	34715.7	1	150.195	4.99636	15.3903	39.7907	9.7951	1.8698	-2.44555	-166.835
MMP28	0.243903	-3.67606	3.67606	1 up vs 2	1.66913	74.1954	266.708	1	-2.69535	-2.11242	-9.50798	-8.47152	-3.66895	3.36376	11.8623	3.12067
MMP28	0.401955	-11.3261	11.3261	1 up vs 2	0.813081	179.565	1325.07	1	-7.57598	-3.09006	6.22418	-10.8969	-8.50363	19.2906	9.89884	-28.3539
MN1	0.00950466	-2.47281	2.47281	1 up vs 2	14.0659	107.236	45.7429	1	-8.03168	3.03864	3.31049	-2.07219	-6.05089	3.00941	3.97512	-2.44539
MORF4L1	0.0935808	-1.07658	1.07658	1 up vs 2	3.96425	758.489	1147.99	1	-29.6031	9.33642	30.3366	-4.1555	2.47666	1.15989	5.5035	2.09139
MRPL13	0.00664301	-1.20275	1.20275	1 up vs 2	16.4917	151.856	55.2483	1	-7.41696	9.25228	2.07711	-2.90959	-4.41514	1.2193	5.63216	2.2469
MRPL15	0.00129992	-1.68295	1.68295	1 up vs 2	32.1027	206.379	38.5722	1	-8.32409	5.16204	3.21865	-2.35064	-9.06822	1.79955	6.05481	3.31683
MRPL30	0.163178	-1.17543	1.17543	1 up vs 2	2.52468	229.001	544.23	1	-13.8746	15.3631	14.8118	-6.21403	2.17469	1.02312	3.06459	-8.86207
MS4A13	0.219676	-3570.66	3570.66	1 up vs 2	1.87748	1.83E+07	5.84E+07	1	-8.46692	-4.8967	2.40821	10.8606	9361.25	5.33422	-2.70697	-4.5094
MTCH2	0.00342652	-1.1071	1.1071	1 up vs 2	21.8218	93.1123	25.6017	1	-5.40579	2.94111	2.67426	-2.24757	-3.4544	1.04465	7.14432	2.91762
MTERFD3	0.230042	-1.3209	1.3209	1 up vs 2	1.78442	139.677	469.655	1	-9.52018	14.8771	7.7442	-3.076	-2.14041	-1.04406	8.98874	-11.9719
MXRA5	0.0166588	-1.31001	1.31001	1 up vs 2	10.8098	1364.07	757.128	1	-7.04134	29.078	17.3814	-27.4382	-11.4085	2.32186	2.67821	6.92193
MYCN	0.163365	-4.75695	4.75695	1 up vs 2	2.52203	3386.31	8056.15	1	-105.171	29.4928	2.27981	2.1112	-2.28677	2.15364	7.54064	-4.55722
MYCN	0.170559	-6.36417	6.36417	1 up vs 2	2.42315	1796.7	4448.83	1	-80.2956	9.76943	2.40202	2.90207	-2.86228	2.019	10.1806	-3.35345
MYLK4	0.0400017	-42.7609	42.7609	1 up vs 2	6.82364	5810.11	5108.8	1	-43.1294	2.22945	-2.23554	-10.872	-109.181	2.3453	7.95485	-3.9338
MYO19	0.119384	-4.36006	4.36006	1 up vs 2	3.29556	6328.54	11521.9	1	-15.0224	42.7906	-2.21826	2.08284	-128.834	-1.18299	11.5303	3.27436
MYT1L	0.0524063	-241.069	241.069	1 up vs 2	5.81941	15283.5	15757.8	1	-189.12	-8.0163	-6.1176	-58.3138	-22.2991	9.45888	11.4474	-4.90754
NAE1	0.055425	-1.58818	1.58818	1 up vs 2	5.62289	311.59	332.487	1	-6.01666	6.14848	-2.28094	-12.7013	-5.0131	-1.03684	19.2189	2.8543
NAIP	0.376229	3.95835	3.95835	1 up vs 2	0.912946	24.9876	164.222	1	-5.53712	3.21601	3.2138	-11.5186	2.40201	-4.32822	-4.72356	-3.54799
NANOS1	0.0382403	-2.81391	2.81391	1 up vs 2	7.00051	487.622	417.932	1	-12.1062	2.96011	2.16321	-18.6452	-4.94319	-1.5345	19.8114	-2.2585
NBEA	0.0183085	-6.5702	6.5702	1 up vs 2	10.3204	475.622	276.515	1	-6.41222	2.1977	-4.69582	-9.64631	-25.4104	2.06675	6.14694	4.80388
NBPF10	0.590789	-4.15094	4.15094	1 up vs 2	0.32236	73.1616	1361.74	1	-6.05395	3.35798	2.29589	-9.82898	30.9845	-1.39655	6.67287	-16.9937
NBPF8	0.0846342	-1.87607	1.87607	1 up vs 2	4.25843	73.1644	103.086	1	-5.78808	3.17756	2.68848	-2.62613	-3.80997	1.49785	8.67218	-5.17631
NCOA3	0.203503	-3.69444	3.69444	1 up vs 2	2.03613	27.6746	81.5506	1	-3.67913	3.10419	2.15231	-2.54012	-2.85114	1.2461	4.51651	-6.9272
NCOR2	0.265261	-2.01399	2.01399	1 up vs 2	1.50918	2036.81	8097.7	1	-33.4765	5.92923	-10.8107	-18.8194	-13.7752	-24.3348	87.8971	-4.00399

Gene ID	p-value (1 vs. 2)	MeanRatio (1 vs. 2)	FoldChange (1 vs. 2)	FoldChange (1 vs. 2)	F(Gene Group)	SS(Gene Group)	SS(Error)	F(Error)	FoldChange (106 vs. n)	FoldChange (111 vs. n)	FoldChange (112 vs. n)	FoldChange (121 vs. n)	FoldChange (347 vs. n)	FoldChange (353 vs. n)	FoldChange (537 vs. n)	FoldChange (563 vs. n)
NEFL	0.773437	2.00357	2.00357	1 up vs 2	0.0907134	113.705	7520.73	1	-40.0964	-19.7529	2.32556	-2.55491	-3.98954	-33.3756	57.6511	-45.6462
NEK10	0.84074	1.99907	1.99907	1 up vs 2	0.0440306	0.694738	94.6712	1	-3.66423	-2.74046	-2.53995	-3.8158	3.82608	-4.56064	3.90093	2.89375
NEURL	0.0773902	-9.20928	9.20928	1 up vs 2	4.52969	557.499	738.46	1	-29.8845	-6.11559	2.20824	-7.50801	-9.27054	-2.64207	19.3603	-4.36595
NFATC1	0.594546	-1.00741	1.00741	1 up vs 2	0.315713	55.3738	1052.36	1	-3.99456	2.49477	-17.981	2.80711	-6.99426	17.2029	19.0098	-7.19065
NFATC3	0.239062	-1.19796	1.19796	1 up vs 2	1.70829	159.993	561.94	1	-7.99786	24.6057	-3.65535	-4.15593	-2.95025	-1.30335	3.41478	-2.04822
NGB	0.123286	-37.6025	37.6025	1 up vs 2	3.21178	32911.5	61482.7	1	-328.246	-3.24587	-10.4442	-18.3892	-40.5294	2.14179	39.3001	-10.5914
NLGN4X	0.0631172	-1.09712	1.09712	1 up vs 2	5.18166	291.793	337.876	1	-12.9948	8.65891	2.62535	-2.82028	-3.76386	1.44686	19.0637	-2.05189
NLRC4	0.536267	-1.8973	1.8973	1 up vs 2	0.430089	9.11828	127.205	1	-3.74029	-5.31759	5.93335	-3.28904	2.69702	-3.90447	3.1082	3.98619
NLRP3	0.0529694	-1.03016	1.03016	1 up vs 2	5.7816	38.0637	39.5015	1	-2.00747	2.06717	4.35885	-2.03251	-2.81886	2.86092	4.81691	-3.00714
NMD3	0.0085369	-1.64762	1.64762	1 up vs 2	14.7626	174.629	70.9748	1	-12.0699	4.88371	2.72986	-2.09351	-3.85348	1.67271	6.29177	2.64713
NME6	0.000619426	-1.00528	1.00528	1 up vs 2	42.5493	64.4121	9.08294	1	-2.12999	2.5477	2.4193	-3.0299	-3.65498	1.77719	5.37582	2.4943
NNAT	0.31409	-2.06225	2.06225	1 up vs 2	1.20676	1507.93	7497.43	1	-58.2117	-5.5632	-7.01178	3.75412	-2.83681	-8.84518	73.5993	-5.87494
NOC3L	0.0884345	-1.00026	1.00026	1 up vs 2	4.12849	242.392	352.272	1	-10.0103	3.64319	2.06727	-2.93079	-4.11603	-1.21672	2.48271	21.4448
NOM1	0.399225	3.14736	3.14736	1 up vs 2	0.823174	6.11634	44.5811	1	-2.02634	2.91724	-4.05102	-3.59753	-2.31773	-3.12411	-2.4272	2.47966
NOP2	0.0910341	-1.43907	1.43907	1 up vs 2	4.04394	128.675	190.916	1	-8.57484	7.20646	7.03961	-8.66879	2.58053	-1.11942	7.16007	-3.30454
NPEPPS	0.0653248	-2.21352	2.21352	1 up vs 2	5.06833	317.269	375.59	1	-19.4848	8.6987	2.80847	-2.54402	-4.85162	-1.8842	13.8301	-3.21345
NPTN	0.210256	15.7189	15.7189	1 up vs 2	1.96775	6160.72	18785	1	-172.111	2.75565	2.86549	-8.64732	-2.88837	-3.86875	-2.19825	-19.0261
NPVF	0.849721	-2.13954	2.13954	1 up vs 2	0.0391309	1.06316	163.016	1	-7.91653	-4.91288	2.33388	7.35673	2.09928	1.01859	2.65116	-2.28998
NPY	0.548295	1.79144	1.79144	1 up vs 2	0.404409	44368.8	658276	1	-212.235	-2.38263	-2.15652	-370.494	-461.853	-56.4713	-9.7206	-901.094
NR1I2	0.274907	4.38739	4.38739	1 up vs 2	1.44307	111.512	463.645	1	26.2658	2.32578	2.12397	7.60263	-3.90288	2.32296	2.26957	2.34092
NR2E1	0.0923516	11.293	11.293	1 up vs 2	4.00234	36745.5	55086.1	1	-46.7623	-15.3696	-3.07672	-342.63	-71.3841	-3.36314	-3.33637	-42.8576
NR4A3	0.219874	-4849.62	4849.62	1 up vs 2	1.87565	3.56E+08	1.14E+09	1	-3.0025	4.12959	4.30645	3.90127	-41308.5	3.6455	8.60771	-6.49309
NRBF2	0.000127074	-2.08064	2.08064	1 up vs 2	75.7572	144.511	11.4453	1	-7.81522	3.44566	2.57811	-4.25171	-5.72108	1.46945	4.41202	2.34361
NRCAM	0.00692502	-1.2037	1.2037	1 up vs 2	16.1949	165.413	61.2835	1	-7.01748	2.33954	2.99857	-3.18112	-5.19255	2.47234	10.8148	2.68571
NRF1	0.599689	22.7889	22.7889	1 up vs 2	0.306766	5.03633	98.5051	1	5.80762	4.37455	-2.04699	2.00643	-2.67165	4.3133	-2.46114	-3.80363
NRGN	0.556053	1.96268	1.96268	1 up vs 2	0.388443	9407.89	145317	1	-329.31	-2.31016	-9.18579	-31.7691	-72.1669	-7.04201	-2.74576	-346.62
NRP1	0.0586464	-1.20822	1.20822	1 up vs 2	5.42857	1165.18	1287.83	1	-24.8169	2.60865	10.3861	-12.7224	-3.37929	1.16352	39.6348	2.6515
NRXN3	0.117518	-5.56948	5.56948	1 up vs 2	3.33698	1370.64	2464.46	1	-60.0792	20.5299	3.47017	-6.05863	-2.62702	-1.95496	3.3784	-4.84563
NTSR2	0.270016	7.09927	7.09927	1 up vs 2	1.47615	3657.04	14864.5	1	-4.33176	-36.6679	-3.40681	-2.76847	-147.113	3.33166	3.25861	-2.71959
NUDT7	0.000699097	-1.00965	1.00965	1 up vs 2	40.6627	87.5786	12.9227	1	-3.6597	2.0875	2.65877	-3.01106	-3.63002	2.20429	6.37955	3.67376
NUF2	0.234429	31.6204	31.6204	1 up vs 2	1.74686	7.33E+06	2.52E+07	1	-4.46712	306.129	6.17417	6131.92	-2.91997	3.19129	4.6052	2.71549
NXNL2	0.474465	1.9319	1.9319	1 up vs 2	0.581946	15.8713	163.637	1	-2.17576	3.46154	2.15314	6.66294	13.6071	-1.26496	3.95565	7.30469
OCIAD2	0.0213239	-4.61606	4.61606	1 up vs 2	9.56259	9873.7	6195.2	1	-49.8344	5.94546	9.06474	-10.1767	-118.926	11.906	17.6507	20.0398
ODZ2	0.554367	7.29621	7.29621	1 up vs 2	0.391875	16.6454	254.857	1	-9.41841	8.19224	2.34839	-3.14714	2.20732	-7.39068	2.02709	-7.54316
OGG1	0.092647	-1.36533	1.36533	1 up vs 2	3.99312	144.45	217.048	1	-6.45231	9.73828	3.22126	-6.03395	-2.71308	-3.17019	12.251	-3.48641
OIT3	0.251787	-9.12165	9.12165	1 up vs 2	1.60776	1566.87	5847.39	1	2.79444	4.48218	5.53306	-88.0685	7.11875	-4.13976	6.01191	2.3928
OPLAH	0.197578	14.0791	14.0791	1 up vs 2	2.09887	1148.25	3282.48	1	-2.61296	-2.12719	-11.2531	-5.01128	-72.2921	-3.50717	3.96263	3.46443
OPN3	0.174469	-8.34797	8.34797	1 up vs 2	2.37185	87241.9	220693	1	-570.84	16.777	73.2328	2.70264	-9.75463	3.30589	48.552	-26.492
OR13J1	0.105462	-1.52776	1.52776	1 up vs 2	3.62836	679.862	1124.25	1	-5.30395	3.00244	-2.94629	-26.7792	-2.44314	1.3065	31.8584	4.44454
OR1K1	0.608356	2.18787	2.18787	1 up vs 2	0.292073	14.5716	299.341	1	2.7386	-4.45845	-2.2658	4.73334	7.93183	16.2002	4.53101	-2.27273
OR2H1	0.340701	6.44108	6.44108	1 up vs 2	1.07059	1077.53	6038.85	1	-4.08118	2.16952	9.8829	91.6173	-2.40116	3.08068	3.2328	3.66325
OR2M1P	0.261958	-2.65235	2.65235	1 up vs 2	1.53265	513.982	2012.13	1	-2.1485	-7.30807	41.1653	-9.26739	-24.6547	-7.48021	-6.29357	2.58233
OR2W3	0.330672	156.964	156.964	1 up vs 2	1.1199	23.993	128.545	1	-5.33006	2.19708	2.07703	-2.80418	-2.66614	2.43453	3.13442	-9.95774
OR4K2	0.0226992	-1.30279	1.30279	1 up vs 2	9.26318	473.815	306.902	1	-8.1617	2.57206	20.978	-4.28891	-14.5296	3.47507	2.18434	5.30639
OR52K1	0.692585	2.04008	2.04008	1 up vs 2	0.17221	31.1011	1083.6	1	3.85728	-19.8929	2.73017	-30.1363	2.31333	-2.32624	-2.75574	2.66562
OR5J2	0.158612	-5.94024	5.94024	1 up vs 2	2.5908	285.203	660.5	1	2.88284	8.41656	3.562	-28.7932	-5.75814	-1.58963	4.39059	-5.89421
OR5M9	0.731353	3.36082	3.36082	1 up vs 2	0.129425	10.5611	489.6	1	-3.94734	14.4602	-3.15485	8.35424	5.72887	1.29271	-12.7668	5.19518
OR7G3	0.385918	-33.1734	33.1734	1 up vs 2	0.874051	552.79	3794.67	1	-5.37017	-2.64884	-6.21068	66.4595	-11.0856	1.06495	2.89173	2.3906
OSBPL8	0.0160098	-1.58642	1.58642	1 up vs 2	11.0206	91.8319	49.9966	1	-3.77307	4.28097	2.11326	-4.2521	-4.85247	-2.41387	7.20442	2.34427
OVCH1	0.92602	1.1128	1.1128	1 up vs 2	0.00937473	0.485979	311.036	1	2.70295	3.27517	2.80367	-5.8339	18.1989	7.43603	3.759	5.29385
P2RY1	0.175788	-35.4592	35.4592	1 up vs 2	2.35491	68319.2	174068	1	-525.938	5.51589	2.3855	-4.36936	-26.6394	1.30116	14.8162	2.15905
P2RY5	0.0112758	-1.73962	1.73962	1 up vs 2	13.0081	118.842	54.816	1	-3.78037	7.25417	3.79729	-7.53247	-3.85314	-2.09551	3.44449	2.12951

Gene ID	p-value (1 vs. 2)	MeanRatio (1 vs. 2)	FoldChange (1 vs. 2)	FoldChange (1 vs. 2)	F(Gene Group)	SS(Gene Group)	SS(Error)	F(Error)	FoldChange (106 vs. n)	FoldChange (111 vs. n)	FoldChange (112 vs. n)	FoldChange (121 vs. n)	FoldChange (347 vs. n)	FoldChange (353 vs. n)	FoldChange (537 vs. n)	FoldChange (563 vs. n)
P704P	0.0891705	-2.73923	2.73923	1 up vs 2	4.10421	198.849	290.699	1	-17.6654	11.1366	3.4294	-2.33152	-2.63535	-1.18036	4.53204	-4.14722
PAIP1	0.0634528	-1.84641	1.84641	1 up vs 2	5.16409	369.989	429.879	1	-18.2781	6.28065	16.134	-3.08953	-5.96905	2.44519	7.51508	-7.69943
PAK6	0.169239	-3.27326	3.27326	1 up vs 2	2.44085	840.762	2066.73	1	-30.3162	-4.40165	2.37177	-5.87812	-12.4664	4.24125	39.32	-16.7545
PARK2	0.120571	48.2423	48.2423	1 up vs 2	3.26967	835.099	1532.45	1	-50.9062	-2.28027	2.02084	-2.07319	-11.6733	2.24179	7.15393	-11.3699
PARM1	0.0133584	-3.77072	3.77072	1 up vs 2	12.0176	2413.19	1204.83	1	-27.0608	6.82529	4.36515	-8.58716	-49.4182	6.23485	23.1916	-3.01748
PCDH24	0.0644299	-4.21011	4.21011	1 up vs 2	5.11363	1053.71	1236.35	1	-3.31713	2.21767	2.1669	-7.52398	-46.627	-1.03506	9.98105	9.4195
PCDH8	0.225255	-1.34883	1.34883	1 up vs 2	1.82663	4016.95	13194.6	1	-52.0447	9.1845	112.512	-21.5228	-6.17226	-3.26891	13.4364	-33.3347
PCDHA10	0.226769	-1.1718	1.1718	1 up vs 2	1.81314	136.171	450.615	1	2.81792	20.1025	-2.56215	-6.30615	-10.306	2.95876	-3.38001	2.50059
PCDHA3	0.119444	-1.54545	1.54545	1 up vs 2	3.29425	1484.66	2704.1	1	-39.1166	3.82317	5.53922	-4.00596	-8.13101	2.88111	49.7915	-6.76122
PCDHA3	0.874864	1.73284	1.73284	1 up vs 2	0.0270059	12.3581	2745.65	1	-4.41126	4.19478	15.6675	5.17014	-18.9704	1.34303	7.99762	-46.719
PCDHAC1	0.204403	-41.8821	41.8821	1 up vs 2	2.02683	328990	973904	1	-2.70146	10.6637	2.36418	-1214.77	-9.86673	10.8733	21.9999	2.93988
PCDHB3	0.15556	-8.67111	8.67111	1 up vs 2	2.63649	11211.7	25515.2	1	-6.42987	7.7895	2.94412	-2.62236	-198.944	-1.65782	9.16256	21.7404
PCDHGA5	0.0517633	-2.44301	2.44301	1 up vs 2	5.86326	82.1619	84.0781	1	-5.03725	7.85859	-2.19137	-5.76059	-3.2932	1.23809	5.06771	-2.35986
PCSK1	0.0468694	-5.61086	5.61086	1 up vs 2	6.22304	40557.5	39103.9	1	-80.9651	11.5929	36.8228	-16.2231	-277.291	-2.5452	54.836	10.5299
PDE4DIP	0.773637	-4.30726	4.30726	1 up vs 2	0.0905476	3.29227	218.158	1	-4.77446	2.93576	6.14642	7.51742	-5.96922	2.17533	-6.7045	-3.30463
PDE5A	0.499041	-2.5678	2.5678	1 up vs 2	0.517291	36.0174	417.762	1	-15.0509	2.70487	4.82194	-6.08509	11.6728	-1.29121	3.35233	-3.44571
PDGFB	0.147013	-2.13027	2.13027	1 up vs 2	2.77146	51.5398	111.58	1	-3.367	3.43527	2.1982	-3.33782	-3.99915	-2.55471	9.28657	-3.99083
PDXDC2	0.57234	1.98876	1.98876	1 up vs 2	0.356391	152.201	2562.37	1	9.36687	-2.11777	-31.8482	-15.2759	-48.456	2.3274	-16.2481	2.32651
PDZD2	0.00998497	26.6387	26.6387	1 up vs 2	13.7544	175.688	76.6389	1	-10.0997	-2.0369	-2.79746	-5.72159	-14.351	1.75438	4.08555	-2.89332
PEX10	0.242048	-1.65193	1.65193	1 up vs 2	1.684	115.638	412.012	1	-3.75583	17.8717	-7.27586	-2.44781	-8.47212	-1.20266	7.57203	-2.15857
PHACS	0.206951	-2.05153	2.05153	1 up vs 2	2.00081	872.559	2616.62	1	-38.0263	-4.32284	-7.57292	-2.04607	-3.43656	-4.74823	43.104	8.8867
PHF20L1	0.371127	27.7348	27.7348	1 up vs 2	0.934089	59.8224	384.261	1	-4.99907	8.00773	-17.0056	-7.88713	-4.69306	1.05316	3.6938	3.19452
PHKB	0.012533	-11.5498	11.5498	1 up vs 2	12.3837	336.226	162.904	1	-16.9661	3.12231	2.36258	-3.88268	-16.1233	-1.0492	5.16785	-4.26837
PIKFYVE	0.0628913	-1.21215	1.21215	1 up vs 2	5.19356	58.7508	67.8735	1	-3.67382	7.12701	2.99225	-3.24987	-2.27805	1.2603	4.92101	-3.64852
PIP5K1B	0.0100541	4.20715	4.20715	1 up vs 2	13.7113	141.419	61.8844	1	-13.6658	-3.69827	-3.0921	-12.607	-7.90491	-2.95604	2.60742	-6.40054
PLDN	0.0304991	-1.827	1.827	1 up vs 2	7.93198	157.843	119.397	1	-10.3534	6.44346	2.11542	-4.09659	-3.33876	1.4772	9.22273	-3.03116
PMAIP1	0.251612	27.38	27.38	1 up vs 2	1.60909	36842.8	137380	1	-17.8398	5.42299	-7.81284	447.495	6.81603	5.37202	13.9664	9.62013
PMCHL2	0.303334	-1.53764	1.53764	1 up vs 2	1.26698	53.9212	255.354	1	-3.22248	-3.77906	2.13407	-2.26576	-4.25997	-1.32259	15.8092	-2.27541
PMS2	0.0554824	-2.72968	2.72968	1 up vs 2	5.6193	608.98	650.238	1	-26.8057	16.7955	5.37683	-2.87871	-9.88526	-5.65539	10.6097	-2.96654
PMS2L11	0.0435289	-2.25525	2.25525	1 up vs 2	6.49917	345.952	319.381	1	-8.06692	15.5376	7.51563	-3.60919	-16.5557	-2.9064	2.93925	-2.22228
PNMA6A	0.127406	-1.54548	1.54548	1 up vs 2	3.12724	262.181	503.027	1	-14.6333	-2.70303	2.62522	2.11218	-9.01734	6.19838	20.1015	-2.99471
PNPT1	0.0740559	62.1649	62.1649	1 up vs 2	4.66649	186.752	240.119	1	-5.3293	3.21264	-2.58752	-3.32078	-21.7795	-1.30712	2.79625	-2.93008
POFUT1	0.185638	-4.09489	4.09489	1 up vs 2	2.23387	620.67	1667.07	1	-45.117	3.81137	-5.24396	-4.90131	6.14924	-1.17594	13.5605	6.90324
POLR2J	0.0123816	-2.16391	2.16391	1 up vs 2	12.4544	225.283	108.532	1	-4.31219	2.11778	4.28722	-2.62725	-15.5511	1.54614	4.11432	5.25698
PPARA	0.250849	39.4471	39.4471	1 up vs 2	1.61491	317.871	1181.01	1	-40.3944	3.30864	-3.53597	2.59871	-2.28151	1.0617	3.50802	-6.03568
PPEF1	0.08029	-18.3042	18.3042	1 up vs 2	4.41709	1607.48	2183.53	1	-63.3884	-2.98652	2.66437	-5.85571	-14.0457	4.82263	11.8795	-8.79613
PPIE	0.51232	2.41046	2.41046	1 up vs 2	0.484782	51.1527	633.101	1	-12.9226	-24.3945	2.60582	-2.48511	-11.3713	2.67033	-3.50908	4.11156
PPL	0.0958854	-18.9056	18.9056	1 up vs 2	3.89466	355.351	547.443	1	-28.3854	-2.06005	-2.83778	-5.29783	-5.54191	-7.05482	10.6535	4.75713
PPM2C	0.0732199	-5.8974	5.8974	1 up vs 2	4.70211	885.553	1129.99	1	-15.8918	2.76896	5.06749	-4.72532	-35.1275	1.04157	21.4457	-14.5697
PPP2R5D	0.0682195	-4.55183	4.55183	1 up vs 2	4.92738	1541.44	1876.99	1	-56.85	6.56534	10.2047	-8.50969	-5.16373	1.3679	12.7461	-5.06167
PRAMEF15	0.134177	-4.80191	4.80191	1 up vs 2	2.99623	906.012	1814.31	1	3.60385	3.56389	-3.80487	-51.1141	-7.06937	12.2194	2.32232	4.64299
PRDM4	0.00206359	-1.22468	1.22468	1 up vs 2	26.7846	82.1631	18.4053	1	-4.36451	3.00143	2.21076	-2.04418	-4.52368	1.16046	6.17758	2.32762
PRKCB1	0.0108741	-60.4621	60.4621	1 up vs 2	13.2276	5959.31	2703.12	1	-88.8193	2.95903	13.3272	-19.9868	-57.5713	-9.39097	4.06348	-6.37247
PRKCD	0.0147423	-2.24482	2.24482	1 up vs 2	11.4672	108.606	56.8259	1	-3.72394	4.13915	2.58201	-2.47929	-9.59244	-2.03614	4.68904	2.35343
PRKCG	0.126546	-8.37259	8.37259	1 up vs 2	3.14457	2950.47	5629.64	1	-40.7621	-3.29525	-22.4948	-11.0863	-54.4597	-1.33803	63.2052	-14.9152
PRM3	0.04094	-1.24258	1.24258	1 up vs 2	6.73366	425.722	379.338	1	-14.4533	16.4303	2.50159	4.12821	-14.7222	1.07097	7.73688	5.85598
PRR15	0.36232	-4.14454	4.14454	1 up vs 2	0.971716	41.2723	254.842	1	-9.64781	2.9873	-5.26147	2.59647	-4.28779	-6.06165	10.1324	2.76329
PRSS3	0.176798	10.3232	10.3232	1 up vs 2	2.34207	893.393	2288.73	1	-58.2282	-4.79934	2.28341	-3.83411	-10.4466	-2.14495	12.2352	-19.2808
PSMD9	0.0611533	-7.11894	7.11894	1 up vs 2	5.2871	507.482	575.91	1	-5.04831	3.3834	-2.05102	-6.63467	-31.593	1.79346	10.9082	-3.90238
PTGER4	0.00277449	-1.60814	1.60814	1 up vs 2	23.7857	153.648	38.7582	1	-4.75881	3.6606	2.74898	-2.26302	-9.72287	1.18183	5.1482	4.61447
PTPLA	0.0124821	-4.51586	4.51586	1 up vs 2	12.4073	282.125	136.431	1	-17.4947	6.28802	3.02436	-7.2139	-5.41927	-3.56441	3.15046	2.22086
PTPLAD1	0.0563883	-2.92846	2.92846	1 up vs 2	5.56321	54.9695	59.2854	1	-5.4196	4.29299	2.12855	-2.89829	-3.79084	-1.35601	5.33157	-3.5057

Gene ID	p-value (1 vs. 2)	MeanRatio (1 vs. 2)	FoldChange (1 vs. 2)	FoldChange (1 vs. 2)	F(Gene Group)	SS(Gene Group)	SS(Error)	F(Error)	FoldChange (106 vs. n)	FoldChange (111 vs. n)	FoldChange (112 vs. n)	FoldChange (121 vs. n)	FoldChange (347 vs. n)	FoldChange (353 vs. n)	FoldChange (537 vs. n)	FoldChange (563 vs. n)
PTPRE	0.00324755	-1.94324	1.94324	1 up vs 2	22.3078	122.192	32.8652	1	-3.26308	2.79293	2.81881	-9.61425	-3.11242	1.36257	4.51459	2.22512
PTPRE	0.00142947	-2.0498	2.0498	1 up vs 2	30.9414	154.283	29.9179	1	-3.97519	2.84182	2.89647	-9.88952	-4.42558	1.03323	5.08279	3.01728
PTPRN	0.151029	-19.2458	19.2458	1 up vs 2	2.70672	4753.99	10538.2	1	-127.717	-3.37389	8.02575	-2.64759	-13.2342	-14.2128	25.6468	-3.65033
PTPRR	0.0577544	126.785	126.785	1 up vs 2	5.4809	124752	136567	1	-186.7	-4.68811	-3.4941	-549.924	-43.3554	7.09634	2.41348	-11.5809
PYCARD	0.124366	-4.04216	4.04216	1 up vs 2	3.18924	249.796	469.949	1	2.13866	2.8717	13.6656	-18.2464	-11.6517	-7.21296	4.9641	-2.84265
QPCT	0.067405	-5.14361	5.14361	1 up vs 2	4.96621	851.107	1028.28	1	-11.5019	3.13329	6.62307	-38.7961	-3.21474	17.1831	-5.08454	-4.51538
RAB12	0.256882	5.74993	5.74993	1 up vs 2	1.56958	323.932	1238.29	1	-6.31484	4.02763	2.34319	-6.46705	-34.9516	-2.4148	7.64092	-25.4329
RAB42	0.112787	-1.97719	1.97719	1 up vs 2	3.44617	693.085	1206.7	1	-2.21652	17.6466	2.99188	-38.8519	2.76339	1.01909	6.79673	3.83477
RAB7B	0.134677	-1.06329	1.06329	1 up vs 2	2.98691	1135.8	2281.56	1	-33.1653	3.78111	48.2396	-2.58544	-2.29998	1.13095	3.12922	3.36238
RAD21	0.0442236	-2.47629	2.47629	1 up vs 2	6.43944	46.0105	42.8707	1	-2.84057	2.14864	-2.05773	-3.54563	-4.19987	-1.26344	2.24767	6.04981
RANBP9	0.112166	-3.97457	3.97457	1 up vs 2	3.46098	7333.05	12712.7	1	-134.672	2.56019	9.29989	-5.13177	-10.0948	2.98739	51.148	-3.13811
RARB	0.204626	-33.7706	33.7706	1 up vs 2	2.02453	1.50E+06	4.44E+06	1	-19.3672	4.09266	7.13677	2.49973	-2587.08	80.6186	40.4171	-3.75367
RASAL1	0.193008	1.7705	1.7705	1 up vs 2	2.14912	422.083	1178.39	1	-37.0944	-18.1894	-4.07108	-25.8149	-40.5202	-37.1071	-3.03412	-34.9623
RASD2	0.233288	3.78572	3.78572	1 up vs 2	1.75653	226.44	773.478	1	-26.6494	-2.60061	4.83686	-3.74181	-14.4119	-12.842	8.70422	-17.8231
RASGRF1	0.544177	1.83904	1.83904	1 up vs 2	0.413071	56.5582	821.527	1	-27.5937	-2.10756	-2.44754	-2.06548	-6.45489	-5.62178	2.26691	-24.8191
RASGRP1	0.133611	-2.10722	2.10722	1 up vs 2	3.00681	421.388	840.867	1	-19.8034	2.41825	2.80722	-6.71491	-3.98168	1.74228	26.6097	-9.45406
RASL10A	0.148314	-4.72642	4.72642	1 up vs 2	2.75022	751.453	1639.4	1	-34.8537	-2.80511	3.2789	2.02451	-16.741	4.36505	27.5675	-14.9265
RBM45	0.00142801	-1.3158	1.3158	1 up vs 2	30.9537	126.034	24.4301	1	-6.75552	4.35013	2.04011	-2.51267	-4.70686	1.55471	6.45885	3.29776
RCP9	0.052163	-1.78364	1.78364	1 up vs 2	5.83591	144.544	148.608	1	-5.83716	5.78975	2.55118	-4.00519	-7.03539	-2.11374	11.971	-2.42729
RDM1	0.21026	-1.90127	1.90127	1 up vs 2	1.96771	58.6294	178.775	1	-4.66821	9.35299	-2.84746	-2.05186	-4.27337	1.29766	-5.95402	7.78778
REEP3	0.359609	2.97452	2.97452	1 up vs 2	0.983595	68.5196	417.975	1	-17.9757	2.66556	-2.46426	-4.28268	-5.06178	-17.4139	4.7149	-2.81017
REPIN1	0.184069	-1.5276	1.5276	1 up vs 2	2.25253	349.182	930.107	1	-3.18081	11.9402	4.171	-23.7471	2.18518	-14.639	13.5123	12.0107
REXO1L3P	0.173907	5.7031	5.7031	1 up vs 2	2.37913	36.033	90.873	1	-7.87529	-2.21096	6.52191	-2.37515	-5.69725	-1.75974	-4.89975	-2.31199
RG9MTD1	0.0095759	-1.70772	1.70772	1 up vs 2	14.0184	394.469	168.836	1	-17.4007	10.0344	2.00591	-3.42316	-6.61966	2.80856	9.2244	2.71056
RGS10	0.00325377	-1.95341	1.95341	1 up vs 2	22.2903	114.731	30.8828	1	-5.67558	3.5137	5.64113	-6.03553	-3.81027	-1.60811	3.0995	2.59679
RGSL1	0.268517	-6.99857	6.99857	1 up vs 2	1.48646	174.925	706.072	1	-19.4342	2.04143	13.6269	-2.93226	-2.98738	-1.22674	8.16237	-16.5661
RHOBTB1	0.107529	2.78277	2.78277	1 up vs 2	3.57521	54.8797	92.1004	1	-9.31364	-7.37891	-5.01138	-4.22844	-11.7922	-1.54458	2.96504	-4.20347
RIMS1	0.139394	-10.7864	10.7864	1 up vs 2	2.90139	70852.3	146521	1	-483.807	7.42224	-2.22985	-13.4999	-36.3876	13.582	81.7234	-18.0335
RLTPR	0.213952	92.9528	92.9528	1 up vs 2	1.93165	166732	517895	1	-887.795	-5.01577	-37.511	-3.08479	-13.4504	1.53801	27.218	-2.4441
RNF145	0.00101718	-1.26843	1.26843	1 up vs 2	35.2772	148.414	25.2425	1	-7.31064	4.88632	2.30098	-2.34782	-5.26601	3.58941	6.49552	2.33794
RNF149	0.00478682	-2.51533	2.51533	1 up vs 2	18.9822	117.851	37.251	1	-6.85226	2.79162	3.29123	-2.34502	-7.821	-1.62229	4.1554	2.66041
ROS1	0.152521	-5.29584	5.29584	1 up vs 2	2.68326	2035.36	4551.24	1	-2.1897	-2.86797	32.5346	-76.6349	-4.31778	-1.75554	2.64293	-4.38806
RPGR	0.084659	-3.57595	3.57595	1 up vs 2	4.25755	153.072	215.718	1	-5.64678	3.88391	3.05538	-2.50999	-13.0258	-5.51634	10.7965	-2.34675
RPS26P11	0.551911	-3.43506	3.43506	1 up vs 2	0.396909	87.5864	1324.03	1	-16.8481	-5.47863	-7.17501	29.7435	2.98546	-8.25691	4.92052	8.28476
RRM2B	0.0886013	-6.52383	6.52383	1 up vs 2	4.12297	223.707	325.552	1	-21.645	3.74079	2.72495	-3.05118	-3.71725	-1.58205	7.77628	-5.40109
RSPH10B	0.746152	1.80784	1.80784	1 up vs 2	0.114928	9.3685	489.096	1	-2.58217	2.9803	2.31102	20.2209	-2.6319	-1.24701	12.5196	-2.72899
RSPO2	0.0282474	-12.2236	12.2236	1 up vs 2	8.26475	6282.16	4560.69	1	-97.2414	9.89063	11.0417	-59.2581	-4.01873	2.68103	3.21114	-4.9381
RTN4	0.192562	52.127	52.127	1 up vs 2	2.15412	570120	1.59E+06	1	-1589.67	-3.36872	-4.37354	-6.02186	-90.9233	-26.8216	6.19795	-25.5606
RTN4R	0.106879	-7.87105	7.87105	1 up vs 2	3.59178	2237.59	3737.85	1	-73.6755	-3.74815	5.2231	-2.15981	-16.1182	1.27218	27.8147	-11.091
RUNDC3B	0.115277	-1.16393	1.16393	1 up vs 2	3.38794	265.476	470.154	1	-9.27823	2.2189	3.36591	-2.12656	-7.79592	1.55111	23.7245	-3.36641
RUNX1T1	0.0924128	-1.36271	1.36271	1 up vs 2	4.00042	530.406	795.525	1	-18.5564	4.20667	3.40624	-4.55869	-5.98655	3.16857	29.4805	-4.66904
RYR2	0.452531	1.74665	1.74665	1 up vs 2	0.645022	171.735	1597.48	1	-41.2032	-4.83122	-2.30858	-8.03832	-17.9226	-25.4867	2.51613	-33.978
SAMD10	0.037139	-1.03208	1.03208	1 up vs 2	7.11677	61.1643	51.5663	1	-3.62849	2.07502	-3.12874	-2.55095	-2.52302	4.81506	5.26656	5.02538
SBDSP	0.0527116	-6.39856	6.39856	1 up vs 2	5.79884	32.3118	33.4327	1	-4.78857	3.16926	2.02081	-2.4889	-3.49304	-1.34806	2.29828	-3.33484
SCD5	0.196842	4.91928	4.91928	1 up vs 2	2.10685	38.2202	108.846	1	-11.0289	2.39553	-2.48478	-2.21427	-3.75735	-1.83861	3.00984	-6.84181
SCN2A	0.278292	-2.55362	2.55362	1 up vs 2	1.42068	4234.15	17882.2	1	-44.7222	4.15698	16.5261	-3.09935	-54.623	24.3091	100.826	-78.9558
SCN3B	0.113174	-1.40199	1.40199	1 up vs 2	3.43702	4856.06	8477.22	1	-61.7105	9.90097	10.6151	-2.9828	-24.4187	15.8129	89.9032	-20.2969
SCRT2	0.148764	-3.30695	3.30695	1 up vs 2	2.74293	1872.85	4096.75	1	-75.7161	14.6956	5.07643	5.46276	-2.54644	4.99224	9.53851	2.38755
SCYL2	0.00663338	-1.68682	1.68682	1 up vs 2	16.5021	200.454	72.8829	1	-8.53157	6.37291	3.14515	-3.61424	-7.32833	-1.29716	8.7409	2.27963
SDR39U1	0.0818791	-10.0693	10.0693	1 up vs 2	4.35772	52.2685	71.9667	1	-3.77052	3.64652	-4.13825	-2.24065	-8.39736	1.46089	3.78964	-2.3739
SEC23A	0.077009	-1.33154	1.33154	1 up vs 2	4.54492	255.395	337.162	1	-13.0118	3.52139	2.9101	-3.1717	-3.81226	1.29512	19.3654	-2.06357
SELE	0.603004	6.33952	6.33952	1 up vs 2	0.301089	10.4927	209.095	1	-3.7713	-9.52795	2.58709	3.891	-8.54565	1.55471	5.22087	-2.04991

Gene ID	p-value (1 vs. 2)	MeanRatio (1 vs. 2)	FoldChange (1 vs. 2)	FoldChange (1 vs. 2)	F(Gene Group)	SS(Gene Group)	SS(Error)	F(Error)	FoldChange (106 vs. n)	FoldChange (111 vs. n)	FoldChange (112 vs. n)	FoldChange (121 vs. n)	FoldChange (347 vs. n)	FoldChange (353 vs. n)	FoldChange (537 vs. n)	FoldChange (563 vs. n)
SENP1	0.00996151	-4.69201	4.69201	1 up vs 2	13.7692	163.719	71.3415	1	-10.7887	4.55814	-2.42815	-3.35709	-8.96227	-1.13853	2.97113	4.24571
14-Sep	0.226913	5.97339	5.97339	1 up vs 2	1.81186	1161.74	3847.13	1	-9.50715	3.62503	-9.43615	-77.6697	-2.51314	-2.72097	3.56323	-20.056
5-Sep	0.21642	-1.34853	1.34853	1 up vs 2	1.90804	902.881	2839.18	1	-20.6491	-3.25332	5.02999	-14.3598	-2.79182	1.75895	54.3043	-11.1214
SERPINB8	0.0551844	-1.25369	1.25369	1 up vs 2	5.63802	126.086	134.182	1	-3.09268	12.0812	2.9489	-8.55519	-2.03729	-2.36282	2.31619	3.20976
SFRS3	0.0140093	-3.70294	3.70294	1 up vs 2	11.7497	235.814	120.419	1	-12.8696	7.73291	2.42796	-3.59675	-10.0237	-1.04199	5.46471	-2.6606
SH2B3	0.00727849	-1.31863	1.31863	1 up vs 2	15.845	91.383	34.6039	1	-4.83718	6.28422	3.05588	-2.2919	-4.78181	-1.11092	4.49623	2.32926
SHMT1	0.357506	27.4864	27.4864	1 up vs 2	0.992907	41.7315	252.178	1	-7.00425	9.91529	-7.16577	-9.94732	2.26408	-3.60236	2.03906	-2.07681
SHROOM2	0.0620684	-7.19849	7.19849	1 up vs 2	5.2374	671.312	769.059	1	-32.2757	5.10045	2.29023	-10.3931	-7.17263	2.0451	14.9248	-12.8208
SIAH3	0.120485	-15.0763	15.0763	1 up vs 2	3.27155	6445.06	11820.2	1	-140.739	2.37893	2.47316	-5.1476	-19.0598	-1.19105	25.164	-10.5904
SIGLEC7	0.0463821	-1.27357	1.27357	1 up vs 2	6.26163	579.804	555.578	1	-17.4689	10.8905	7.80972	-18.7716	6.68929	1.39839	15.9748	2.59909
SKAP2	0.0375338	-1.66962	1.66962	1 up vs 2	7.07457	188.883	160.193	1	-11.1507	12.5907	2.29729	-4.8638	-2.817	3.48229	3.14006	-2.71217
SKCG-1	0.119409	-4.41084	4.41084	1 up vs 2	3.29501	137.726	250.79	1	-16.2449	3.38519	-5.10462	-2.15149	-2.5633	8.87967	3.38146	-2.62194
SKIP	0.12335	-7.1433	7.1433	1 up vs 2	3.21044	2000.43	3738.61	1	-3.9321	2.10489	3.94554	-77.8154	-4.20948	-1.83388	12.6476	3.19123
SLC12A2	0.913248	1.1262	1.1262	1 up vs 2	0.0129087	1.50444	699.268	1	-4.39884	-3.24062	-3.02217	-4.2961	-15.2857	-28.9521	-2.73479	2.4607
SLC16A13	0.311618	-1.58011	1.58011	1 up vs 2	1.22032	56.2983	276.805	1	2.64171	-2.95325	4.0126	3.10129	4.32441	2.1289	2.40158	-16.2087
SLC16A4	0.0965737	-1.57274	1.57274	1 up vs 2	3.87432	352.269	545.545	1	-23.2954	13.1275	2.36389	-5.76541	3.92349	-3.14923	4.2537	10.0427
SLC22A17	0.279925	19.8609	19.8609	1 up vs 2	1.41003	21.0421	89.5388	1	-3.55295	3.79848	-2.02595	-2.20152	-4.82835	-3.88976	5.7051	-4.47595
SLC22A18	0.0211951	-1.43641	1.43641	1 up vs 2	9.59195	743.505	465.081	1	-2.09952	16.7952	2.38234	-23.0748	-10.0458	-1.30903	8.26678	14.7306
SLC22A6	0.0568376	-5.2675	5.2675	1 up vs 2	5.53584	1084.18	1175.08	1	-47.4485	7.10421	2.75449	-3.71812	-9.46248	-1.02736	6.98718	3.36488
SLC25A26	0.0497315	12.9597	12.9597	1 up vs 2	6.0068	2482.67	2479.86	1	-58.6015	2.95488	-2.65193	-2.06234	-57.628	-1.09005	5.23883	-19.6645
SLC26A8	0.129388	-7.34394	7.34394	1 up vs 2	3.0879	2765.88	5374.28	1	-92.5935	14.2776	3.98585	-3.98045	-4.83934	-1.07544	8.28714	-2.45996
SLC2A13	0.0463349	-4.41934	4.41934	1 up vs 2	6.2654	8849.88	8475.01	1	-69.1779	51.968	35.9309	-5.72078	-93.1753	2.58019	6.81896	-33.9123
SLC30A3	0.0428212	14.2615	14.2615	1 up vs 2	6.56137	1641.22	1500.81	1	-41.9728	-8.27637	3.03809	-2.38676	-51.0907	-1.26499	4.55865	-9.21018
SLC31A1	0.00542743	-1.26206	1.26206	1 up vs 2	17.9951	105.888	35.3055	1	-2.43153	4.40139	2.71698	-2.34197	-7.80473	1.21394	6.19116	2.0872
SLC36A1	0.00168182	-2.68266	2.68266	1 up vs 2	29.0376	229.757	47.4743	1	-11.5521	5.43522	2.23788	-3.32953	-9.30967	1.31701	4.01875	2.02054
SLC39A10	0.0155763	-1.6593	1.6593	1 up vs 2	11.1678	479.293	257.504	1	-11.4945	10.5798	2.56063	-3.66328	-14.7703	4.43078	15.1042	-2.61452
SLC4A7	0.00596853	-1.19671	1.19671	1 up vs 2	17.2754	558.905	194.116	1	-16.9467	11.8991	3.51422	-7.23622	-4.03373	1.23285	10.8046	11.8468
SLC6A9	0.853419	2.11291	2.11291	1 up vs 2	0.037201	3.15603	509.023	1	-2.14745	3.22106	2.36197	-2.68143	-2.56058	-21.0641	6.9973	2.65494
SLC7A2	0.757691	3.13277	3.13277	1 up vs 2	0.104297	0.888272	51.1004	1	3.22931	-3.34956	2.15282	2.40775	-2.60402	2.57673	-2.02328	2.2569
SMC6	0.00714687	-1.11245	1.11245	1 up vs 2	15.9726	235.909	88.618	1	-10.3137	8.67994	2.58416	-2.80285	-4.60441	1.00688	9.77275	4.50573
SMPD3	0.0696672	-20.2496	20.2496	1 up vs 2	4.8599	453.323	559.67	1	-20.378	2.43081	8.98936	-13.5271	-10.5468	-1.5628	11.0984	-17.2971
SMPDL3A	0.00903438	-1.95541	1.95541	1 up vs 2	14.392	142.087	59.236	1	-7.15288	4.63682	2.97608	-3.37353	-6.75257	1.5987	7.547	-2.03107
SNAPC1	0.0817198	-1.15997	1.15997	1 up vs 2	4.3636	226.43	311.344	1	-2.25416	2.4871	2.39549	-2.77636	-12.6741	-1.47912	3.43627	18.5986
SNCG	0.953408	1.25181	1.25181	1 up vs 2	0.00371026	1.1048	1786.62	1	-10.1098	-23.935	4.3804	2.65081	-3.989	-14.8027	29.0222	-9.90682
SNORA12	0.0150992	-2.89583	2.89583	1 up vs 2	11.3364	768.69	406.844	1	-11.0944	5.06957	2.94117	-29.9854	-4.07141	3.85326	2.95382	11.1685
SNORA71D	0.256398	92.5927	92.5927	1 up vs 2	1.57316	344704	1.31E+06	1	-34.4928	3.51803	13.1091	-34.7487	1369.59	7.76121	-3.85992	2.87782
SNORD18B	0.31465	4.06166	4.06166	1 up vs 2	1.20371	111.119	553.883	1	-2.41849	4.65788	-4.42271	8.80146	24.2551	1.06472	13.4093	-2.13714
SNORD64	0.338828	-4.26252	4.26252	1 up vs 2	1.07963	155.616	864.831	1	2.79749	6.30139	-2.18254	5.3211	-30.2557	3.59896	4.57716	-3.63924
SNORD91B	0.202893	-51.9516	51.9516	1 up vs 2	2.04247	42603.4	125153	1	-436.572	3.20232	-2.3739	-4.91477	-2.18599	-4.00962	8.01534	9.3994
SNX10	0.00429433	-1.1103	1.1103	1 up vs 2	19.8696	973.663	294.015	1	-21.0526	9.14598	15.1448	-7.17252	-7.74324	7.34289	19.4493	2.90909
SOCS2	0.0724536	-1.20633	1.20633	1 up vs 2	4.73525	563.873	714.479	1	-11.8744	2.77021	2.65045	-8.44697	-8.1237	31.16	4.92264	-2.20359
SOHLH1	0.218784	116.043	116.043	1 up vs 2	1.88579	662709	2.11E+06	1	-1784.51	-22.921	2.38822	-4.46725	-10.0623	-1.18582	32.4333	-36.5533
SORCS1	0.0395847	-1.21977	1.21977	1 up vs 2	6.86455	440.319	384.863	1	-5.5495	2.68739	3.39274	-2.77268	-16.9402	18.6978	11.7497	-2.0097
SPAG8	0.0654276	-1.5455	1.5455	1 up vs 2	5.06318	783.456	928.415	1	-18.685	21.8241	5.06229	2.51524	-21.0629	2.0502	18.7381	-7.52307
SPI1	0.140187	-1.65181	1.65181	1 up vs 2	2.8874	291.704	606.158	1	3.06894	14.7699	2.39884	-3.22756	-23.1496	-5.13843	2.14953	9.33804
SPINK6	0.350054	-1.85483	1.85483	1 up vs 2	1.02663	116.194	679.083	1	-4.14864	-2.51693	-2.36651	-4.38261	23.8752	1.21354	2.83262	-12.9501
SPINT2	0.0143862	57.2235	57.2235	1 up vs 2	11.602	267.209	138.188	1	-16.3831	-2.46476	2.30901	-3.67223	-16.3951	-1.96711	3.24734	-2.18612
SPTLC1	0.0752334	-1.87615	1.87615	1 up vs 2	4.61723	124.927	162.341	1	-10.8316	5.88009	2.10939	-2.64949	-2.4926	-1.53217	10.4177	-2.68484
SST	0.000467253	8.29094	8.29094	1 up vs 2	47.2523	6802.46	863.763	1	-86.0156	-4.92666	-8.80436	-60.933	-58.5335	-8.17013	4.1681	-23.5735
ST7OT4	0.195914	-9.25198	9.25198	1 up vs 2	2.11697	4077.02	11555.2	1	-2.13457	13.7945	10.0171	4.89421	-129.006	-1.04189	2.0613	-2.08879
ST8SIA3	0.214284	28.9607	28.9607	1 up vs 2	1.92845	112648	350484	1	-732.453	-4.21543	2.87106	-3.63892	-25.5379	-7.06316	38.733	-74.1567
STAG3L1	0.0593787	-4.89476	4.89476	1 up vs 2	5.38641	429.819	478.781	1	-27.714	10.7139	2.15718	-2.72404	-7.27821	-2.80636	5.01548	-2.23782

Gene ID	p-value (1 vs. 2)	MeanRatio (1 vs. 2)	FoldChange (1 vs. 2)	FoldChange (1 vs. 2)	F(Gene Group)	SS(Gene Group)	SS(Error)	F(Error)	FoldChange (106 vs. n)	FoldChange (111 vs. n)	FoldChange (112 vs. n)	FoldChange (121 vs. n)	FoldChange (347 vs. n)	FoldChange (353 vs. n)	FoldChange (537 vs. n)	FoldChange (563 vs. n)
STAT4	0.0777492	-15.6681	15.6681	1 up vs 2	4.51544	14961.1	19880	1	-56.7929	-2.47265	5.43527	-2.29009	-192.82	3.10434	26.2536	-5.5248
STAU2	0.0207268	-2.30201	2.30201	1 up vs 2	9.70078	201.618	124.702	1	-10.8665	7.04604	2.14292	-2.02901	-8.79223	1.01534	8.26772	-2.77001
STMN1	0.00440559	-1.4027	1.4027	1 up vs 2	19.6576	174.068	53.1298	1	-10.3593	2.59237	2.93593	-4.22104	-2.29471	5.75416	2.02095	6.74726
SUNC1	0.229887	-4.86822	4.86822	1 up vs 2	1.78577	1647.89	5536.73	1	-79.9324	2.00044	-5.70931	2.05414	4.09668	-4.7885	2.05568	31.7013
SV2B	0.361089	3.04066	3.04066	1 up vs 2	0.977092	5428.28	33333.3	1	-215.8	-18.9616	-2.13648	-7.60906	-17.1098	-78.9719	16.2657	-48.0307
SVIL	0.4122	-2.99744	2.99744	1 up vs 2	0.776209	163.676	1265.19	1	-4.9241	3.60703	5.15685	-5.5598	-10.5336	-26.964	20.4375	9.44898
SVOP	0.208045	128.625	128.625	1 up vs 2	1.98978	732346	2.21E+06	1	-1842.3	-6.49167	-2.75171	-7.234	-40.0593	-2.05677	30.5807	-43.765
SYCE1	0.269621	-38.4807	38.4807	1 up vs 2	1.47886	184.374	748.04	1	-28.8283	-5.41949	2.42554	2.05165	-2.2187	9.10645	2.97633	-7.83299
SYK	0.0222836	-2.37122	2.37122	1 up vs 2	9.35105	327.677	210.25	1	-3.03208	5.5356	3.45801	-19.1037	-5.75934	-2.61503	7.67908	5.54907
SYNJ1	0.739826	1.58662	1.58662	1 up vs 2	0.121005	30.8825	1531.3	1	-2.91068	2.21806	6.23573	2.97529	-32.9947	-9.75753	-3.7393	-29.5484
SYNPR	0.10954	12.8704	12.8704	1 up vs 2	3.52487	382990	651922	1	-1134.2	-23.1238	-31.4645	-89.6984	-246.181	-1.84176	16.6633	-150.603
SYT12	0.173353	-14.1026	14.1026	1 up vs 2	2.38632	71144.6	178881	1	-11.1799	-3.26482	20.0277	-9.12531	-525.376	-4.68966	47.805	4.61123
SYT7	0.0902064	-7.39956	7.39956	1 up vs 2	4.0705	2071.4	3053.28	1	-70.0636	-2.66558	3.26292	-4.82737	-12.9509	4.06247	22.6468	-7.52124
SYTL2	0.00964924	-54.5526	54.5526	1 up vs 2	13.97	343.755	147.64	1	-5.15369	-2.34036	3.32775	-15.8794	-18.8562	-4.20213	2.29895	2.13447
TAC1	0.17303	2.89479	2.89479	1 up vs 2	2.39055	268.125	672.964	1	-25.5239	-5.72916	-4.33421	-11.0459	-18.2384	-23.1578	10.2675	-8.60199
TAF9	0.00491121	-1.10197	1.10197	1 up vs 2	18.7771	112.248	35.8675	1	-5.03595	3.37706	8.60992	-4.37887	-2.75415	1.2118	2.9906	2.21544
tAKR	0.999436	1.02759	1.02759	1 up vs 2	5.42E-07	1.01E-05	112.035	1	2.44558	-2.70043	-4.07944	-7.04904	4.34381	1.84427	2.13825	2.37622
TANK	0.646751	-34.5519	34.5519	1 up vs 2	0.232515	5.53508	142.832	1	-5.86838	2.37774	-4.43811	-5.67343	6.53234	1.30557	3.17774	-2.1813
TBRG1	0.733631	-1.63281	1.63281	1 up vs 2	0.127129	897.878	42376.5	1	-18.6254	28.4625	-5.3756	-12.2747	-9.81404	-129.247	158.199	-10.4805
TBX5	0.462891	-2.76339	2.76339	1 up vs 2	0.614561	9.99306	97.5629	1	-5.69736	2.62373	-4.40541	-2.59804	3.20991	2.33947	4.69262	-2.18323
TCERG1L	0.0196756	140.189	140.189	1 up vs 2	9.95753	2415.44	1455.45	1	-42.4288	-3.07979	2.74608	-6.92065	-59.1001	-1.18642	3.01649	-2.78569
TDP1	0.11608	-7.84787	7.84787	1 up vs 2	3.36951	1242.08	2211.74	1	-4.96992	3.92382	2.07212	-2.36623	-61.1509	1.26897	3.70537	3.57444
TDRD9	0.238738	989.326	989.326	1 up vs 2	1.71094	566.031	1984.98	1	-9.41153	-2.62587	2.25739	8.72405	-51.4896	-3.87794	6.60251	-2.44399
TFCP2L1	0.138529	9.56317	9.56317	1 up vs 2	2.91677	130.774	269.01	1	-18.3653	2.69054	-8.238	-7.30791	-2.30681	-2.90355	6.72656	-3.1519
TGIF2LY	0.621107	2.12584	2.12584	1 up vs 2	0.271315	50.368	1113.86	1	-5.00425	18.7802	-9.52119	30.2481	4.11583	1.15275	2.69113	9.91517
TIFA	0.150647	-1.88498	1.88498	1 up vs 2	2.71276	65.1845	144.173	1	-4.67457	3.49384	-3.83922	-2.45727	-4.42547	-3.9457	9.93111	4.57874
TINAG	0.209083	-2.34429	2.34429	1 up vs 2	1.97939	446.961	1354.84	1	-40.5261	5.75534	2.17205	3.19962	4.8579	1.20607	7.06615	6.8838
TM6SF1	0.0227793	-7.32185	7.32185	1 up vs 2	9.24649	135.884	88.1744	1	-6.83406	2.24126	2.9233	-6.03939	-9.59668	-1.16347	6.51051	-5.39674
TM9SF1	0.20894	-1.60926	1.60926	1 up vs 2	1.98083	70.9782	214.996	1	-2.72205	-2.3743	-4.32965	-3.99008	-4.6718	-1.12158	13.1851	6.43044
TMEM128	0.134095	-7.94275	7.94275	1 up vs 2	2.99775	1681.5	3365.52	1	-9.94618	8.96224	-2.97214	-72.7438	2.89628	1.32705	6.90512	2.52124
TMEM130	0.518826	2.55779	2.55779	1 up vs 2	0.469435	330331	4.22E+06	1	-2050.31	-11.4182	-10.8252	-2.78514	-14.4319	4.89463	13.8297	-1343.69
TMEM158	0.00223051	-2.12964	2.12964	1 up vs 2	25.9675	257.225	59.4339	1	-9.32626	3.03485	3.01782	-3.29199	-11.2923	2.50359	8.12314	2.03307
TMEM161A	0.120889	-2.29434	2.29434	1 up vs 2	3.26281	307.414	565.305	1	-2.40131	11.2114	-2.19875	2.02495	-26.3766	1.67114	5.42808	3.32215
TMEM16A	0.115686	-35.5269	35.5269	1 up vs 2	3.37853	1187.28	2108.52	1	-59.2294	5.00435	2.08301	-9.94779	-4.24755	-1.6275	10.1453	-12.1606
TMEM182	0.119446	-9.83825	9.83825	1 up vs 2	3.2942	2535.66	4618.42	1	16.7236	-7.49279	-4.23651	-3.65644	87.0769	-2.98757	4.25858	-6.50679
TMEM191B	0.0735201	6.45224	6.45224	1 up vs 2	4.68925	572.863	732.99	1	-21.8148	-4.69678	-8.3307	-3.39758	-36.8433	-1.15711	7.09803	-8.94294
TMEM34	0.0505555	-1.85982	1.85982	1 up vs 2	5.94764	495.673	500.037	1	-25.1022	13.1264	2.99812	-3.67027	-2.9488	1.87995	12.479	-2.05662
TMEM53	0.269516	-3.13631	3.13631	1 up vs 2	1.47958	54.6259	221.519	1	-2.41601	5.09934	8.65569	-6.17773	-3.6842	1.13143	2.35907	-10.7209
TMEM70	0.00159808	-1.38315	1.38315	1 up vs 2	29.6246	168.727	34.1731	1	-8.24141	5.41501	3.4064	-2.25742	-6.01816	1.30813	6.42021	3.3529
TMEM70	0.15615	-11.3511	11.3511	1 up vs 2	2.62756	2750.34	6280.36	1	-99.7272	5.32659	3.12681	-2.24142	-3.62706	-1.16734	6.14353	2.07484
TMEM95	0.378352	-1.58006	1.58006	1 up vs 2	0.904288	26.3555	174.87	1	-5.65392	-3.42463	9.45649	-5.30605	4.07187	-3.48994	2.52376	2.19999
TMPO	0.188698	-11.5445	11.5445	1 up vs 2	2.19811	68369.9	186624	1	-524.363	68.5681	5.23086	2.21062	-5.04716	1.8774	19.0481	-18.6134
TMPRSS11F	0.27919	-1.25309	1.25309	1 up vs 2	1.41481	499.699	2119.15	1	-4.951	-3.46379	-33.9016	-5.08779	37.277	1.05882	3.68159	-3.6031
TNFAIP8L1	0.00197102	-4.77454	4.77454	1 up vs 2	27.2767	498.376	109.627	1	-11.3463	3.56842	2.2216	-14.8441	-14.2498	1.57124	10.4318	-3.67644
TNFSF12	0.0629105	-3.93964	3.93964	1 up vs 2	5.19254	58.4933	67.5892	1	-2.03001	-2.40346	2.00791	-2.62274	-8.7112	-1.90794	4.85104	3.10608
TNIK	0.0320038	-1.71756	1.71756	1 up vs 2	7.72751	162.533	126.198	1	-6.29844	3.1088	2.10435	-6.66968	-4.68512	1.62862	12.6605	-2.37211
TNIP3	0.0400176	-1.72659	1.72659	1 up vs 2	6.82209	189.148	166.355	1	-4.46422	2.2021	-2.12296	-2.20513	-12.4112	1.81018	4.55706	11.972
TPM4	0.00969583	-1.1678	1.1678	1 up vs 2	13.9395	105.067	45.2243	1	-3.93429	7.15308	3.02239	-2.25755	-5.90589	-1.12588	5.30267	2.9134
TPM4	0.0166054	-1.04753	1.04753	1 up vs 2	10.8268	120.903	67.0024	1	-2.7762	5.99522	2.66445	-2.69788	-6.85057	-2.0266	5.6868	7.28927
TRAIP	0.212412	-62.5416	62.5416	1 up vs 2	1.94658	1.27E+06	3.90E+06	1	-2421.47	48.5816	-3.06078	3.14771	-8.20723	2.62515	20.5789	-4.06041
TRAPPC6B	0.937739	1.08875	1.08875	1 up vs 2	0.00663277	1.08433	980.882	1	-13.9943	-34.6002	-5.72247	-4.36051	-9.63313	-5.90015	5.62785	-2.24927
TRHDE	0.219403	-8.31735	8.31735	1 up vs 2	1.88002	1701.83	5431.34	1	-86.169	9.0835	2.54857	8.63554	-3.14765	2.64825	5.74212	-3.85521

Gene ID	p-value (1 vs. 2)	MeanRatio (1 vs. 2)	FoldChange (1 vs. 2)	FoldChange (1 vs. 2)	F(Gene Group)	SS(Gene Group)	SS(Error)	F(Error)	FoldChange (106 vs. n)	FoldChange (111 vs. n)	FoldChange (112 vs. n)	FoldChange (121 vs. n)	FoldChange (347 vs. n)	FoldChange (353 vs. n)	FoldChange (537 vs. n)	FoldChange (563 vs. n)
TRIM37	0.0611787	-1.78219	1.78219	1 up vs 2	5.2857	479.031	543.766	1	-22.1498	7.54603	5.29024	-2.38908	-6.17747	2.10228	19.2308	-5.44405
TRIM6-TRIM3	0.00602641	-5.6278	5.6278	1 up vs 2	17.2036	624.411	217.772	1	-14.1782	6.20565	-3.45382	-7.2249	-25.0832	4.38864	4.3036	2.3228
TRPM8	0.074205	-1.64339	1.64339	1 up vs 2	4.66019	303381	390604	1	-8.90219	110.19	147.824	-729.818	-11.5097	319.115	156.851	26.8757
TSC22D3	0.0883367	-2.1949	2.1949	1 up vs 2	4.13174	48.5783	70.5441	1	-6.01669	3.93219	2.4069	-2.03384	-2.44005	-1.41993	6.30433	-3.25763
TSPAN14	0.004878	-1.53271	1.53271	1 up vs 2	18.8312	110.135	35.0913	1	-4.9816	5.30698	2.34449	-3.8601	-5.07251	-1.11999	6.30933	2.28945
TSSK4	0.22786	-25.0798	25.0798	1 up vs 2	1.8035	28726.7	95569.7	1	-371.367	3.78898	9.15535	11.2449	3.02744	2.48546	4.2056	4.09513
TTBK2	0.875313	1.44966	1.44966	1 up vs 2	0.0268105	4.92876	1103.02	1	-10.4661	14.8483	-2.23834	-2.74226	-2.47254	-25.4215	8.3797	-13.5964
TUBB1	0.491077	14.0129	14.0129	1 up vs 2	0.537586	107.341	1198.03	1	-34.4314	4.94415	2.11833	7.867	2.12126	-1.51383	2.09633	-10.5522
TWSG1	0.0116914	-1.25352	1.25352	1 up vs 2	12.7918	83.0252	38.9431	1	-3.2152	3.39582	2.46306	-2.69861	-5.19059	-1.67602	6.45037	4.13109
TXNDC9	0.145606	-1.4451	1.4451	1 up vs 2	2.79474	180.561	387.645	1	-6.04254	4.92346	19.4141	-3.44219	-7.91466	-2.66303	4.12387	-5.73126
TXNL4A	0.115111	-1.93272	1.93272	1 up vs 2	3.39176	118.064	208.854	1	-7.24769	4.10047	-2.10072	-4.47743	-3.96324	1.04377	14.2407	-3.75549
UACA	0.101146	-89.6921	89.6921	1 up vs 2	3.74409	5432.82	8706.24	1	-127.626	-2.49302	4.2717	-2.51965	-29.5592	1.4386	2.59833	-2.84796
UBE2H	0.0544495	-3.02232	3.02232	1 up vs 2	5.68478	201.693	212.877	1	-16.1511	5.12287	2.47051	-5.00084	-2.22727	-2.33858	9.75626	-2.11853
UBE2L6	0.56302	3.16674	3.16674	1 up vs 2	0.374496	7.66106	122.742	1	-2.77082	2.0397	-2.2563	-3.6032	-2.48878	-2.20207	6.28652	-8.53238
UGP2	0.213367	-57.8454	57.8454	1 up vs 2	1.9373	182719	565900	1	-920.97	11.2386	13.1381	-3.20695	3.58088	2.26717	-3.69363	3.57436
UHRF1BP1L	0.611176	-30.5243	30.5243	1 up vs 2	0.287396	29.3078	611.864	1	-2.89549	4.2765	-4.64722	-7.99689	22.3769	-1.65682	5.12948	-3.72901
UNC13A	0.0867087	11.6359	11.6359	1 up vs 2	4.18653	146.882	210.507	1	-20.1072	2.04945	-2.33224	-3.0151	-5.92669	-1.76054	2.92583	-5.04332
UNC13C	0.0451279	24.7868	24.7868	1 up vs 2	6.36355	89.256	84.1568	1	-12.6258	-2.2279	-2.44358	-5.15951	-3.78338	-2.89294	3.86531	2.24883
UNC5D	0.812682	1.45479	1.45479	1 up vs 2	0.0613176	31.6779	3099.72	1	-15.2556	-56.9312	14.6137	-11.1618	-13.0273	-3.7512	4.34807	-3.46886
UTP20	0.606203	3.34381	3.34381	1 up vs 2	0.295678	6.28849	127.608	1	8.01361	3.58621	-5.39984	-2.91308	2.73761	-1.26343	2.27977	4.70408
VAMP1	0.261746	3.04593	3.04593	1 up vs 2	1.53417	373.816	1461.96	1	-22.9271	-2.36485	-31.7436	-2.15481	-37.9817	1.93208	-5.23832	2.90761
VAT1L	0.000757991	-1.30406	1.30406	1 up vs 2	39.4434	399.23	60.7295	1	-7.82409	5.44287	2.25529	-12.0113	-4.94083	8.50939	5.56156	9.8965
VIP	0.0354517	-2.89512	2.89512	1 up vs 2	7.30421	2197.19	1804.87	1	-52.5117	6.35968	27.1675	-3.43793	-20.3812	1.09386	12.5768	-3.25563
VIPR1	0.0411947	4.54707	4.54707	1 up vs 2	6.70971	320.42	286.528	1	-25.2761	-6.516	-3.47287	-6.32636	-18.6714	-1.42637	3.13723	-10.1492
VNN2	0.30533	-11.5704	11.5704	1 up vs 2	1.25556	431.491	2061.99	1	-2.23327	2.0986	-3.59267	10.3581	-50.0144	1.08986	4.00779	2.43044
VPS16	0.124396	-31.3112	31.3112	1 up vs 2	3.18863	2703.32	5086.79	1	-93.7512	2.94555	-6.37125	-2.62581	-14.0094	1.79857	10.167	-2.66411
VPS37A	0.0425277	-3.88131	3.88131	1 up vs 2	6.58757	118.209	107.665	1	-5.18065	4.14089	2.4087	-2.11865	-11.641	1.12366	5.19558	-4.7357
VSIG4	0.0776798	-1.86106	1.86106	1 up vs 2	4.51819	279.358	370.979	1	2.2986	6.71258	3.70542	-21.7228	-4.39544	-1.20144	2.81649	9.29851
VSNL1	0.147859	-48.6163	48.6163	1 up vs 2	2.75762	7226.13	15722.5	1	-161.85	-6.94922	-2.70468	-4.94221	-15.6944	3.01776	16.8584	-3.96624
WBSCR16	0.0478745	-2.39892	2.39892	1 up vs 2	6.14511	84.5249	82.529	1	-3.84874	-2.04611	2.38352	-5.96679	-4.40081	-3.10697	6.58567	6.06079
WBSCR27	0.959846	1.07942	1.07942	1 up vs 2	0.00275462	0.231958	505.24	1	-2.77367	-11.713	-20.3251	-7.214	-4.35381	1.19741	3.00256	5.69429
WDR4	0.0814216	-1.34934	1.34934	1 up vs 2	4.37465	457.655	627.691	1	-6.94645	22.8257	2.11709	2.05688	-22.0298	1.28697	2.89147	4.12885
WDR78	0.798748	-26.0941	26.0941	1 up vs 2	0.0710427	45.5032	3843.03	1	2.08234	43.9299	2.88495	6.07665	6.07443	-41.9223	4.84824	-10.6499
WHSC1L1	0.0450205	-2.21655	2.21655	1 up vs 2	6.37245	881.614	830.086	1	-6.93842	2.08617	2.43844	-3.78686	-34.1025	-1.79486	13.4407	17.5364
WTAP	0.00620441	-2.17069	2.17069	1 up vs 2	16.9884	81.3677	28.7376	1	-6.11705	3.71438	2.09323	-2.10805	-5.30468	-1.75196	3.02701	3.30557
XCL2	0.856841	1.30602	1.30602	1 up vs 2	0.0354605	2.9627	501.295	1	13.52	16.2859	12.6186	5.6308	-3.05668	-3.01312	-3.06073	-2.29223
XK	0.181975	-1.82131	1.82131	1 up vs 2	2.2778	333.492	878.459	1	-18.1913	14.6857	7.08285	2.2948	-9.93182	-3.34853	18.2133	-12.998
XRN1	0.666999	-3.1482	3.1482	1 up vs 2	0.204504	177.625	5211.4	1	-5.49162	3.77021	4.30714	-4.30907	-12.3596	1.00787	52.1359	-49.4894
YWHAB	0.0772232	-4.06356	4.06356	1 up vs 2	4.53635	152.644	201.895	1	-16.3676	3.95591	2.36621	-2.19042	-3.16455	1.2934	6.50324	-5.20927
ZBTB1	0.110474	-10.7704	10.7704	1 up vs 2	3.5019	354.645	607.633	1	30.7722	-5.19382	2.27044	9.29502	-2.31362	-2.10722	2.23915	-3.05072
ZBTB8OS	0.00465663	-1.69539	1.69539	1 up vs 2	19.2045	66.3928	20.7429	1	-4.60593	2.47591	2.07859	-2.36477	-4.25799	-1.20352	4.45825	3.22922
ZDHHC6	0.00163717	-1.87616	1.87616	1 up vs 2	29.3456	125.856	25.7325	1	-8.40843	3.20103	2.49836	-2.64492	-4.97963	1.17918	5.1822	2.18196
ZFAT	0.0213893	-5.43758	5.43758	1 up vs 2	9.54778	1427.21	896.888	1	-42.2386	3.64377	-2.81635	-9.39795	-18.2749	-4.63612	7.59987	17.6373
ZMAT4	0.186684	-1.51982	1.51982	1 up vs 2	2.22155	13615.8	36773.6	1	-133.708	-6.36312	-3.69797	-8.40635	-12.0786	3.21425	179.569	-3.63139
ZMYND12	0.348392	-1.22545	1.22545	1 up vs 2	1.0343	22.5247	130.666	1	-2.45609	-4.94122	2.75579	2.73923	-6.00883	-1.43065	7.28371	4.11955
ZNF214	0.411789	27.6303	27.6303	1 up vs 2	0.777659	205.37	1584.53	1	-4.85219	6.28451	-5.45236	41.4731	-4.04483	1.22336	7.31631	-7.40682
ZNF280D	0.0252532	-3.36792	3.36792	1 up vs 2	8.76698	540.697	370.046	1	-27.6853	5.67806	5.9526	-4.30069	-7.29519	-2.09135	5.54846	4.35115
ZNF280D	0.00457077	-5.7374	5.7374	1 up vs 2	19.3557	297.407	92.1919	1	-9.39615	3.13187	2.47206	-6.05298	-16.7259	-3.08024	4.24082	2.58207
ZNF346	0.00158397	-1.28327	1.28327	1 up vs 2	29.7275	125.913	25.4134	1	-4.52704	3.15131	2.20005	-2.08998	-7.20008	3.20657	6.64812	2.73909
ZNF491	0.0561374	-19.4344	19.4344	1 up vs 2	5.57862	148.885	160.132	1	-15.1124	4.72825	-4.09653	-7.80462	-2.50769	1.21271	4.65708	-4.32112
ZNF503	0.741829	3.79232	3.79232	1 up vs 2	0.119061	1.53219	77.2136	1	3.19947	5.80522	-3.08398	2.79221	-2.30855	-1.29309	2.74057	-2.55004
ZNF517	0.60841	2.20427	2.20427	1 up vs 2	0.291984	4.9799	102.332	1	-2.20203	-8.50454	2.65524	-4.55649	-2.19042	1.37232	-4.60111	2.31173

Gene ID	p-value (1 vs. 2)	MeanRatio (1 vs. 2)	FoldChange (1 vs. 2)	FoldChange (1 vs. 2)	F(Gene Group)	SS(Gene Group)	SS(Error)	F(Error)	FoldChange (106 vs. n)	FoldChange (111 vs. n)	FoldChange (112 vs. n)	FoldChange (121 vs. n)	FoldChange (347 vs. n)	FoldChange (353 vs. n)	FoldChange (537 vs. n)	FoldChange (563 vs. n)
ZNF536	0.16037	4.09554	4.09554	1 up vs 2	2.56502	1146.15	2681.02	1	-7.52873	-8.45167	-5.52212	-17.0237	-73.5807	-17.5037	-2.59422	-5.86325
ZNF536	0.926926	1.06306	1.06306	1 up vs 2	0.00914568	0.360398	236.438	1	-7.49244	-3.39012	-5.32686	-2.62738	-12.0542	-19.1848	-2.37511	-4.48771
ZNF620	0.344353	3.77956	3.77956	1 up vs 2	1.0532	245.48	1398.48	1	-32.1907	5.73839	5.03879	-2.44367	-12.0417	-30.8248	2.33822	-2.87328
ZNF623	0.231784	-1.93999	1.93999	1 up vs 2	1.76938	377.55	1280.27	1	-9.35812	25.1541	-17.9728	-5.4967	-13.2358	3.50031	19.1421	-5.69076
ZNF670	0.260957	-1.31559	1.31559	1 up vs 2	1.53985	118.105	460.193	1	-3.17676	18.3358	-7.20375	-2.43589	-7.91472	-1.88348	10.2093	-2.32066
ZNF772	0.025315	-1.33139	1.33139	1 up vs 2	8.75581	89.7179	61.48	1	-5.7144	3.02093	-2.19322	-3.2752	-2.86126	1.88744	8.2732	3.8469
ZNF816A	0.0164027	-1.14465	1.14465	1 up vs 2	10.8917	147.618	81.3198	1	-7.95259	8.98591	2.14843	-2.40701	-3.84755	-1.25273	6.99013	3.81457
ZYG11A	0.0822376	-4.44233	4.44233	1 up vs 2	4.34455	78.2396	108.052	1	-9.52791	-2.89747	2.1781	-4.23857	-2.05182	1.62585	-2.83013	7.85834