

gene_id	BaseMean_DESeq2	BaseMean_control_WT	BaseMean_case_KO	FoldChange	log2FoldChange	p-value	q-value	Regulation
Abhd12b	154.5104855	60.21954526	272.3741608	4.523420917	2.177414249	0.002257237	0.058756903	Up
Abi3	115.231056	73.44354045	167.4654504	2.281131142	1.18974939	5.46E-11	2.06E-08	Up
Acot5	8.829933183	5.265701093	13.2852233	2.526118692	1.336922427	0.018986003	0.223147355	Up
Acp5	5.656570615	2.616327866	9.456874051	3.616387191	1.854549149	0.042906324	0.347954672	Up
Adgre1	124.6763759	85.54990445	173.5844652	2.027105858	1.01942143	4.25E-12	2.16E-09	Up
Adgrg5	14.13931877	6.2498919	24.00110236	3.839226935	1.94081584	0.001729598	0.047773312	Up
Adora3	9.917190988	5.060953428	15.98748794	3.163133251	1.661354332	0.001308688	0.039579253	Up
Aif1	53.90783759	32.97534271	80.0734562	2.429103741	1.280424105	1.83E-07	2.73E-05	Up
Apol11b	2.108089035	0.606009641	3.985688279	6.559478294	2.713581075	0.049841755	0.377778639	Up
Arhgap45	207.4430492	138.2310285	293.9580751	2.128544166	1.089867025	5.46E-20	6.82E-17	Up
Arl11	15.97784788	10.30878518	23.06417625	2.231803441	1.158209972	0.001083502	0.034240213	Up
Arx	25.92598296	10.72835542	44.92301739	4.189425457	2.066752404	0.018176406	0.21772814	Up
Ascl4	3.835342448	1.999771073	6.129806666	3.050926272	1.609247317	0.044297404	0.354270181	Up
Atp2a1	85.16752166	42.49144849	138.5126131	3.259932908	1.704842273	0.026754681	0.270427062	Up
BC035044	12.04482865	8.110382926	16.9628858	2.09771101	1.068815939	0.00683257	0.122631412	Up
BC147527	2.640950069	1.025900411	4.659762142	4.59198382	2.199117559	0.029226705	0.282408907	Up
Brs3	9.189987363	5.264526511	14.09681343	2.685165537	1.425011031	0.035475368	0.311137364	Up
Bst2	83.55419925	54.7188028	119.5984448	2.186577823	1.128674696	2.00E-10	6.14E-08	Up
Bsx	17.47911111	5.549588555	32.3910143	5.849789781	2.548384781	0.032746406	0.298484775	Up
C1qa	837.5723397	509.4794662	1247.688432	2.449156475	1.29228495	1.53E-31	6.23E-28	Up
C1qb	1102.316218	717.4991722	1583.337526	2.20680729	1.141960651	5.41E-21	9.28E-18	Up
C1qc	977.0629049	617.3013865	1426.764803	2.311342287	1.208730924	1.07E-25	2.49E-22	Up
Capn3	161.9457733	111.8119366	224.6130692	2.010036598	1.00722177	5.16E-05	0.003224042	Up
Ccdc170	41.23011565	28.44047141	57.21717096	2.011723351	1.008431922	0.029942299	0.28491667	Up
Ccdc180	41.55861172	27.41364095	59.23982519	2.160320194	1.111245159	0.007998509	0.133799974	Up
Ccdc78	15.55503749	9.483030208	23.1450466	2.439237136	1.28643002	0.003387938	0.07854897	Up
Ccl12	13.56900057	8.020009509	20.5052394	2.543473026	1.346799794	0.00132054	0.039795049	Up
Ccl3	4.629600889	1.832839271	8.125552912	4.456698902	2.155975495	0.00302225	0.072615255	Up
Ccl4	2.72441325	0.991675987	4.890334828	4.886414	2.288776101	0.041392428	0.340768982	Up
Ccl5	6.610932415	4.228862725	9.588519527	2.264339327	1.179090172	0.028070263	0.276942574	Up
Ccl9	54.19708111	36.42788042	76.40858197	2.094653137	1.066711361	0.000122069	0.00630276	Up
Ccr5	90.62595203	61.74930466	126.7217612	2.053861845	1.038339141	2.04E-05	0.00150245	Up
Cd180	32.95448912	15.55674265	54.70167222	3.518503993	1.81496215	6.96E-09	1.49E-06	Up
Cd22	14.55943419	5.066039284	26.42617782	5.221138913	2.384364543	2.83E-08	5.29E-06	Up
Cd300c2	63.50812042	41.47977608	91.04355086	2.195170499	1.134332998	2.41E-10	6.88E-08	Up
Cd33	131.7802003	89.86127398	184.1788582	2.050534153	1.035999773	3.91E-14	2.89E-11	Up

Cd48	22.7626764	13.75788246	34.01866882	2.473719568	1.306681959	1.39E-05	0.001090149	Up
Cd52	36.78986238	15.16764106	63.81763903	4.207974859	2.073126085	3.89E-12	2.04E-09	Up
Cd72	6.481945046	3.793671023	9.842287574	2.579059502	1.366845058	0.029076692	0.281602766	Up
Cd84	53.46330757	31.70313295	80.66352584	2.541780285	1.345839327	8.06E-12	3.74E-09	Up
Cd86	50.49169259	31.96441795	73.6507859	2.305718657	1.205216487	2.38E-09	5.61E-07	Up
Chrn4	81.58158706	42.53911783	130.3846736	3.066604897	1.616642301	0.00164731	0.046534373	Up
Clec14a	76.42270991	52.88928201	105.8394948	2.004540002	1.003271208	1.48E-06	0.00016265	Up
Clec18a	41.14678299	27.29925161	58.45619722	2.143247479	1.099798447	0.019347925	0.225605419	Up
Clec5a	39.45637518	23.97091976	58.81319445	2.450517226	1.293086288	2.29E-06	0.000239362	Up
Clec7a	18.38147218	6.089887003	33.74595365	5.554903172	2.473761764	8.26E-09	1.72E-06	Up
Cnr2	11.86925098	6.069663204	19.1187357	3.155486027	1.657862235	0.000658469	0.024034855	Up
Cox6a2	38.54343059	16.18522154	66.49119191	4.110020483	2.039145584	0.005005926	0.100446463	Up
Cpn1	5.185158342	2.85985785	8.091783958	2.849892821	1.510907663	0.029735019	0.284146042	Up
Csf3r	253.5293172	149.156775	383.994995	2.577389125	1.365910367	6.24E-34	3.38E-30	Up
Cst7	10.54427222	2.433555894	20.68266763	8.497636398	3.087061614	1.23E-06	0.000139258	Up
Ctss	1953.1271	1207.354471	2885.342886	2.389738525	1.256852773	3.45E-29	1.12E-25	Up
Cuzd1	2.16745973	0.404006427	4.371776358	10.58237784	3.40359193	0.017894688	0.215029131	Up
Cwh43	11.51219065	6.894264246	17.28459865	2.514543478	1.330296499	0.02795206	0.276942574	Up
Cxcl10	16.91169796	5.643757344	30.99662373	5.477663602	2.453560669	7.89E-07	9.56E-05	Up
Cxcl13	9.126878092	5.862511733	13.20733604	2.257127174	1.174487707	0.038350468	0.326310447	Up
Cxcl9	2.428658231	0.80573995	4.457306083	5.514934047	2.463343633	0.04690843	0.364039	Up
Cxcr6	1.977512455	0.606009641	3.691890973	6.089075043	2.606223093	0.046093632	0.36032161	Up
Cyp2j13	9.848799894	2.850383187	18.59682078	6.539937205	2.709276783	0.01599712	0.202065832	Up
Ddx60	32.05093848	17.38862307	50.37883274	2.896147289	1.534134975	1.08E-05	0.000876222	Up
Dlx1	56.4397967	15.63186475	107.4497116	6.879438296	2.782290774	1.93E-05	0.001436428	Up
Dlx2	11.71603605	3.865717409	21.52893435	5.58150032	2.480652974	0.012461556	0.173298851	Up
Dlx5	5.412628195	1.408961776	10.41721122	7.390508717	2.885673674	0.016785098	0.207331061	Up
Dlx6	10.3454289	3.662702602	18.69883678	5.122932343	2.356969839	0.003167294	0.074885523	Up
Dok1	19.48235588	12.49957814	28.21082805	2.256897685	1.174341017	0.003407727	0.0786755	Up
Esyt3	63.01408122	39.42481637	92.50066228	2.347783657	1.231299473	0.005512482	0.106283444	Up
F9	4.964648196	2.8195932	7.645966942	2.704249309	1.435228162	0.021194908	0.238909705	Up
Fam167b	3.180712793	0.809255937	6.145033862	7.601149728	2.926217653	0.004372264	0.091874114	Up
Fam177a	3.756583064	2.029713265	5.915170313	2.921732543	1.546824119	0.036605187	0.316243012	Up
Fam83a	1.418460764	0.40948757	2.679677257	6.493827149	2.699068984	0.049348013	0.375262067	Up
Fcgr1	74.6854448	48.47845002	107.4441883	2.216961847	1.148583942	1.34E-09	3.34E-07	Up
Fcgr4	7.433844155	4.038129545	11.67848742	2.881580879	1.526860513	0.005009028	0.100446463	Up
Fezf1	5.789079123	0	13.02542803	70.05778839	6.13047354	0.000122475	0.00630276	Up

Gabra4	1213.787761	800.5898053	1730.285205	2.161322064	1.111914068	0.032318726	0.295748209	Up
Gal	73.78851413	42.43414361	112.9814773	2.664747558	1.413998867	0.003125232	0.074106776	Up
Gbp8	4.44700363	2.449811196	6.943494172	2.845273862	1.508567521	0.02870229	0.279573567	Up
Gcm2	2.997793129	0	6.745034541	36.27098647	5.180744078	0.024364736	0.255935002	Up
Gimap3	6.092021112	3.437431958	9.410257554	2.732923528	1.450445091	0.012952756	0.176798459	Up
Glrp1	1.427091973	0.406467456	2.702872618	6.534322005	2.708037551	0.043887677	0.352381383	Up
Gm17660	8.735397269	5.251039987	13.09084387	2.4895351	1.315876356	0.006282643	0.11504958	Up
Gm4951	17.75303084	10.74374458	26.51463867	2.467124055	1.302830261	0.00026937	0.011889629	Up
Gm5741	22.01250879	1.583232493	47.54910417	29.90093892	4.902118882	0.001925265	0.05177496	Up
Gm8773	7.160225691	2.436532643	13.064842	5.37651175	2.426670464	0.017160299	0.210048781	Up
Gna15	35.91787981	24.74629272	49.88236367	2.021282465	1.015270946	6.04E-05	0.003641567	Up
Gpr151	62.91880058	10.37371205	128.6001612	12.40194703	3.632494728	0.00283529	0.068947231	Up
Gpr183	24.31105947	16.19890218	34.45125609	2.128655904	1.089942758	0.004146501	0.089082997	Up
Gpr50	44.59699377	24.84034129	69.29280938	2.793492925	1.482070166	0.007938612	0.133347343	Up
Gpr84	21.3017047	6.706858119	39.54526293	5.921929618	2.566067344	9.11E-12	4.11E-09	Up
Gsx1	5.263868004	2.839923572	8.293798543	2.933851758	1.552795976	0.029738858	0.284146042	Up
H2-Oa	9.83305308	5.055032827	15.8055784	3.124999892	1.64385614	0.001562752	0.044847678	Up
H2-Ob	18.21765604	9.053852091	29.67241097	3.263732703	1.706522907	1.30E-06	0.000145974	Up
H2-Q9	1.420843205	0.398010374	2.699384244	6.530096164	2.707104237	0.035778057	0.312442459	Up
H2ac19	11.50204473	7.48294459	16.5259199	2.20844618	1.143031674	0.003601019	0.081920656	Up
Haao	6.866899854	3.442354016	11.14758215	3.235046421	1.693786414	0.001432892	0.042011671	Up
Has2	4.059164211	1.617456917	7.111298329	4.403218302	2.138558372	0.007145255	0.125971065	Up
Havcr2	94.26521218	62.22275999	134.3182774	2.159032848	1.110385193	9.92E-10	2.56E-07	Up
Hcar2	5.920344757	1.01669612	12.04990555	11.91081686	3.574200453	1.48E-05	0.001146591	Up
Hcrt	137.7077233	2.636162365	306.5471744	116.3449762	6.862265106	1.29E-07	2.02E-05	Up
Hdc	161.0547314	106.4476739	229.3135532	2.15484001	1.107580758	0.00691542	0.123323549	Up
Hes5	71.61748296	47.86242239	101.3113087	2.117590666	1.082423741	0.0014704	0.042725774	Up
Hhex	22.61824426	12.73432345	34.97314527	2.749703028	1.459275814	0.000607194	0.022364292	Up
Hk2	124.4851481	79.94252662	180.163425	2.254282869	1.172668558	3.08E-09	6.84E-07	Up
Hlx	13.82644037	9.513631262	19.21745175	2.021643934	1.015528922	0.010676214	0.157928385	Up
Hmcn2	42.64213537	25.54872234	64.00890167	2.509124906	1.327184291	0.000768619	0.026619792	Up
Hmx3	10.76833108	5.466837474	17.3951981	3.191128406	1.674066662	0.000299982	0.012959072	Up
Htr5b	31.39340477	17.24362182	49.08063345	2.852785648	1.51237135	0.000134584	0.006811933	Up
Hvcn1	56.77875005	33.51373457	85.86001939	2.559336351	1.355769761	1.24E-10	4.04E-08	Up
Ifi204	25.68771415	15.27388048	38.70500623	2.540232241	1.344960401	0.000723686	0.025553988	Up
Ifi206	5.217336662	3.063619057	7.909483668	2.593255154	1.374764162	0.048871779	0.373663007	Up
Ifi209	15.45356567	8.283762482	24.41581966	2.94575636	1.558638112	0.000147948	0.007238302	Up

Ifi27l2a	36.0490536	20.47896832	55.51166019	2.713839709	1.440335512	1.50E-07	2.29E-05	Up
Ifi44	34.4021227	21.39356319	50.66282209	2.363287609	1.240795214	0.000176628	0.008488094	Up
Ifit1	109.2377265	75.09554892	151.9154485	2.020908754	1.015004184	8.42E-06	0.000710315	Up
Ifit3	247.3697903	131.4288018	392.2960258	2.984322334	1.577403368	0.004439094	0.092766329	Up
Ifit3b	140.2105179	72.74313078	224.5447519	3.085125842	1.625329338	8.13E-05	0.004572101	Up
Igsf6	25.5060157	16.95912415	36.18963014	2.133351797	1.093121891	6.38E-05	0.003780415	Up
Il1a	15.99021902	7.658728761	26.40458185	3.438588872	1.781816633	5.82E-07	7.33E-05	Up
Il21r	27.5409946	17.99325464	39.47566954	2.196367218	1.135119284	0.001240075	0.038012335	Up
Irf8	98.47611127	58.80311447	148.0673573	2.522101046	1.334626077	4.36E-13	2.62E-10	Up
Isl1	25.49936015	10.82898333	43.83733116	4.055192151	2.019770277	0.017062029	0.209201412	Up
Itgax	19.27771235	3.655275341	38.80575861	10.65300014	3.41318788	1.15E-09	2.93E-07	Up
Klk1	1.823580483	0	4.103056087	22.08473471	4.464977597	0.021024619	0.238147062	Up
Kmo	9.12790037	3.64607105	15.98018702	4.392406348	2.135011526	0.010685421	0.157928385	Up
Krt12	16.72497314	7.515184013	28.23720954	3.765254211	1.912747272	0.004249821	0.089882614	Up
Lag3	208.5936976	47.77118865	409.6218337	8.574888002	3.100117828	3.10E-79	2.52E-75	Up
Lamb3	18.69971288	12.35048526	26.6362474	2.157321544	1.109241223	0.028062863	0.276942574	Up
Lat2	42.72516594	29.36509804	59.42525081	2.025398343	1.018205677	3.90E-06	0.000376484	Up
Ldlrad2	9.524473548	4.218811447	16.15655118	3.824288567	1.935191388	0.010982501	0.159560605	Up
Lhx6	25.53053561	14.17259385	39.72796281	2.807353266	1.489210618	0.002381105	0.060621135	Up
Lilra5	6.545319912	3.876654557	9.881151605	2.559448214	1.355832816	0.026448434	0.269174132	Up
Liph	18.30427499	9.50079136	29.30862952	3.08544857	1.625480247	3.14E-06	0.000318796	Up
Loxhd1	12.86799592	5.468382206	22.11751307	4.049996857	2.017920788	0.011733119	0.165909404	Up
Lrrc43	26.56667381	15.77765797	40.0529436	2.539473623	1.344529489	0.009584206	0.148546051	Up
Ly6i	1.868262917	0.396252381	3.708276088	8.947587594	3.161498762	0.008572588	0.139383931	Up
Ly86	225.5603692	127.1112318	348.6217909	2.741671878	1.45505592	3.02E-20	4.09E-17	Up
Ly9	23.04065114	10.1254983	39.1845922	3.873226607	1.95353591	8.98E-08	1.46E-05	Up
Mb	2.728756999	0.794262755	5.146874805	6.40707059	2.679664885	0.01066109	0.157856054	Up
Mbnl3	4.375272092	2.421934748	6.816943772	2.823070063	1.497264934	0.041053235	0.339352515	Up
Milr1	6.739621653	2.243381798	12.35992147	5.536068721	2.468861852	0.000250142	0.011155264	Up
Mpeg1	712.7585841	483.4127304	999.4409013	2.067427192	1.047836523	7.35E-13	4.09E-10	Up
Mpl	1.21121609	0.194249167	2.482424743	8.926504667	3.158095373	0.025354467	0.262648343	Up
Myct1	8.710453071	4.68393229	13.74360405	2.9472447	1.559366848	0.008623093	0.139785326	Up
Mymk	7.954112738	4.642444402	12.09369816	2.601618367	1.379409348	0.012598992	0.174463276	Up
Myo1f	84.01636905	53.19880268	122.538327	2.304985244	1.204757515	3.41E-11	1.42E-08	Up
Naalad2	58.68337371	36.15274036	86.8466654	2.402345754	1.264443804	6.03E-10	1.61E-07	Up
Naip2	45.25429351	30.3417069	63.89502678	2.105880333	1.074423457	1.97E-07	2.91E-05	Up
Ncf4	21.90738706	14.9367498	30.62068362	2.047409331	1.033799564	0.002584588	0.064255858	Up

Nek5	17.22517964	10.80773424	25.24698639	2.331496979	1.221256561	0.026275164	0.268082596	Up
Neur13	22.26559716	14.31062536	32.20931191	2.24906106	1.169322829	0.000284523	0.012423415	Up
Nkx3-1	16.97086223	7.089153239	29.32299846	4.141566326	2.050176493	0.008441924	0.137949872	Up
Nlrc5	68.13922323	43.17671241	99.34236175	2.296881825	1.199676632	2.54E-07	3.62E-05	Up
Nlrp3	28.01316201	19.01358093	39.26263836	2.064424	1.045739308	0.00052203	0.019982912	Up
Notum	62.57034462	40.17260785	90.56751559	2.257730874	1.174873524	0.000250672	0.011155264	Up
Npvf	5.364594785	0.194249167	11.82752681	42.63916313	5.414107218	0.001290087	0.039167999	Up
Nr5a1	4.710923243	0.194249167	10.35676584	37.3316615	5.222327814	0.007565528	0.129599258	Up
Oasl1	11.48514292	6.441907045	17.78918776	2.752781286	1.46088999	0.001310942	0.039579253	Up
Oasl2	202.7732244	120.8794337	305.1404628	2.523994733	1.3357089	3.51E-16	3.17E-13	Up
Otoa	4.517521756	2.224872629	7.383333164	3.320330696	1.731326937	0.031036156	0.290894569	Up
P2ry13	179.423159	112.7889475	262.7159234	2.331221167	1.221085882	1.23E-13	8.32E-11	Up
Pdcd1	5.176760953	1.017751078	10.3755233	10.24050053	3.356214327	6.87E-05	0.004015603	Up
Pifo	10.88060769	6.638372702	16.18340141	2.435672435	1.284320123	0.015121558	0.194936086	Up
Pik3cg	93.03503243	61.62517377	132.2973557	2.146510156	1.101992999	2.74E-10	7.67E-08	Up
Pilra	6.331367367	4.068837982	9.159529099	2.255656715	1.173547523	0.038646444	0.328141242	Up
Pld4	243.050259	166.018576	339.3398628	2.044968187	1.0320784	7.56E-13	4.09E-10	Up
Pmch	731.8110255	22.48136341	1618.473103	71.99405516	6.169805877	2.36E-07	3.39E-05	Up
Pomc	141.1231052	28.98821077	281.2917232	9.704844416	3.278705084	0.001334333	0.03998815	Up
Ppp1r3a	9.819151911	2.026448612	19.56003103	9.664288293	3.272663492	0.008284922	0.136760151	Up
Prdm13	2.253153567	0	5.069595526	27.26361517	4.768904972	0.045980928	0.360110032	Up
Prkcd	3411.213114	1344.810067	5994.216923	4.457290103	2.156166862	0.005314196	0.104375443	Up
Prkch	223.1200905	152.081029	311.9189175	2.05153307	1.03670241	0.005429337	0.105615235	Up
Prl	751.0888336	120.9578372	1538.752579	12.72091118	3.669130108	0.023163696	0.24834846	Up
Ptafr	23.38334474	15.44255124	33.30933661	2.163993883	1.113696421	0.003428447	0.078990453	Up
Ptpn18	18.26679625	12.36110091	25.64891542	2.077150151	1.054605508	0.002522214	0.063418447	Up
Ptpn6	99.48604933	50.06911069	161.2572226	3.225223777	1.689399263	7.11E-17	6.79E-14	Up
Ptprc	108.0772592	71.45785237	153.8515178	2.154549059	1.107385949	1.58E-09	3.82E-07	Up
Pvrig	4.427924999	2.434159152	6.920132308	2.845898149	1.508884031	0.046500277	0.362603937	Up
Pycr1	43.59460544	30.04787851	60.5280141	2.01523027	1.010944697	0.021183917	0.238909705	Up
Ramp3	416.7126869	184.1857416	707.3713686	3.840625973	1.941341471	0.011549108	0.16426634	Up
Rasal3	90.74151464	60.13275879	129.0024595	2.147007001	1.102326896	7.83E-09	1.65E-06	Up
Rasgrp1	2735.220713	1734.314564	3986.353399	2.298540021	1.200717786	0.036541559	0.315883203	Up
Rgs14	58.43208376	38.18013934	83.74701428	2.195204243	1.134355175	0.040520235	0.337350171	Up
Rgs9bp	10.78870775	5.044861924	17.96851504	3.566443572	1.834486147	0.00576617	0.109619241	Up
Samsn1	23.0981496	13.12817122	35.56062258	2.704918404	1.435585075	6.58E-07	8.10E-05	Up
Satb2	25.18401475	16.44657508	36.10581435	2.196446712	1.135171498	0.02449452	0.257018402	Up

Scube2	90.47852117	51.54031487	139.151279	2.700841882	1.433409181	0.004503885	0.093311989	Up
Sh2d1b1	2.091238919	0.602474617	3.952194296	6.519313704	2.704720098	0.014423672	0.189090958	Up
Sh3rf2	2.290690229	0.808200979	4.143801791	5.138733978	2.361412969	0.040588241	0.337586761	Up
Siglecf	13.4638111	7.038428973	21.49553876	3.04189487	1.604970293	0.000112713	0.005963526	Up
Slamf6	5.408885048	2.237592907	9.373000225	4.205337871	2.072221716	0.001663825	0.046595702	Up
Slamf8	7.911145624	4.228511611	12.51443814	2.956747508	1.56401105	0.006271522	0.114975544	Up
Slamf9	20.95611233	9.692353299	35.03581111	3.610768089	1.852305762	7.44E-08	1.23E-05	Up
Slc15a3	34.72217119	20.41653375	52.604218	2.57470698	1.364408253	1.54E-07	2.34E-05	Up
Slfn8	43.57646371	26.28786754	65.18720891	2.481004318	1.310924246	8.97E-07	0.000106372	Up
Slfn9	21.04161361	13.16055011	30.89294299	2.347111591	1.230886435	0.000105663	0.005670954	Up
Smim43	11.07148681	3.64131808	20.35919772	5.587748761	2.482267155	0.000909979	0.030396242	Up
Smpd5	7.606066361	5.075255816	10.76957954	2.131374036	1.091783795	0.0489767	0.373663007	Up
Snx31	14.84204457	4.441828223	27.842315	6.270626409	2.648609569	0.004968857	0.100135418	Up
Sp8	7.060726916	2.417407976	12.86487559	5.322923544	2.412218844	0.006237423	0.114738922	Up
Spint1	33.77810606	20.42904768	50.46442904	2.47210198	1.305738259	2.00E-07	2.93E-05	Up
Sspo	424.3087833	233.7502954	662.5068933	2.834359159	1.503022583	0.01074307	0.158204612	Up
Stum	1715.177163	1136.586567	2438.415407	2.145427446	1.101265113	0.030490373	0.287771723	Up
Susd3	24.27496128	15.21060502	35.6054066	2.342278819	1.227912821	0.000334462	0.014258968	Up
Synpo2	831.0133489	436.4377194	1324.232886	3.034226824	1.601328938	0.032278127	0.295748209	Up
Syt15	31.97355728	21.86844142	44.60495211	2.043364271	1.030946417	0.012708683	0.175235262	Up
Tac2	122.570547	53.07133171	209.4445661	3.947438981	1.980916965	0.017667056	0.213675351	Up
Tbx19	4.000693574	0.808200979	7.991309318	9.906292853	3.308345271	0.003895279	0.085849414	Up
Tbx3	92.48083369	61.45067814	131.2685281	2.139417546	1.097218078	0.000133089	0.006776689	Up
Tbxa2r	11.7056748	8.052852189	16.27170307	2.015835002	1.011377558	0.015306768	0.196958648	Up
Tcte1	22.88387454	15.29762453	32.36668705	2.114962135	1.080631834	0.019244289	0.225282118	Up
Tent5c	78.57435798	52.15104011	111.6035053	2.140084989	1.097668092	1.34E-08	2.65E-06	Up
Tlr1	15.35632467	10.10163371	21.92468838	2.170160562	1.117801786	0.002380289	0.060621135	Up
Tlr13	69.9956939	47.48911	98.12892378	2.064068082	1.045490558	1.20E-08	2.40E-06	Up
Tlr9	37.41841425	23.67214822	54.60124677	2.308594064	1.207014516	1.38E-05	0.001086063	Up
Tmco5	2.601521028	0.601771581	5.101207836	8.453916351	3.079619837	0.017440141	0.21203608	Up
Tnfaip8l2	31.21378441	21.02880993	43.94500251	2.089017655	1.062824685	0.000710329	0.025246999	Up
Tns4	6.692586041	4.237878891	9.760969978	2.308080621	1.206693618	0.048823217	0.373544751	Up
Traf3ip3	14.62529594	9.949902249	20.46953805	2.061418001	1.043637075	0.009972074	0.152090521	Up
Trem2	199.401714	112.3543879	308.2108716	2.743709921	1.456127961	1.21E-18	1.41E-15	Up
Trem12	10.70412582	5.266592253	17.50104279	3.327477307	1.734428827	5.58E-05	0.003422936	Up
Trh	79.21396605	53.97723827	110.7598758	2.053868773	1.038344007	0.010136029	0.153488091	Up
Trim40	11.65377197	3.791686831	21.4813784	5.656316524	2.499862855	0.026380369	0.268649737	Up

Tubb1	3.658558231	0.813682122	7.214653368	8.885160714	3.151397872	0.001191074	0.036780635	Up
Tyrobp	248.6661408	157.192651	363.008003	2.309424697	1.207533505	3.60E-11	1.45E-08	Up
Uba7	100.3525538	68.30373307	140.4135798	2.058685608	1.041723526	1.93E-11	8.27E-09	Up
Ugt1a7c	5.394951786	2.656592517	8.817900872	3.346191492	1.742520009	0.010825548	0.158649521	Up
Umodl1	9.495367554	4.469969057	15.77711568	3.540306539	1.823874282	0.020487417	0.234515237	Up
Usp18	60.49640937	41.35553188	84.42250623	2.042841277	1.030577115	6.70E-06	0.000582063	Up
Wnt9a	65.21585334	36.13161434	101.5711521	2.813773313	1.492506105	0.001456511	0.042550553	Up
Wnt9b	66.06804766	28.40941483	113.1413387	3.982797977	1.993782302	0.001689602	0.047221447	Up
Zbp1	11.46597573	6.426888727	17.76483448	2.756076879	1.462616132	0.00874298	0.140841876	Up
2210418O10Ril	19.68554405	29.71907762	7.143627084	0.240579029	-2.055417202	0.002580884	0.064255858	Down
Acod1	1.449742353	2.41010563	0.249288256	0.123934321	-3.012352328	0.033289296	0.300900406	Down
Bcl3	42.19785195	60.35710432	19.49878648	0.322685139	-1.631800957	3.00E-07	4.06E-05	Down
Bfsp2	79.9860526	109.1281195	43.55846899	0.399441326	-1.323944494	0.014324411	0.188245473	Down
Bub1	3.573051478	5.453602285	1.22236297	0.225555255	-2.148447199	0.01272649	0.175331963	Down
Catspere1	8.52284511	11.143369	5.247190251	0.467633434	-1.096550015	0.030335439	0.287067192	Down
Cbl	1418.923992	2049.033132	631.2875663	0.308050421	-1.698761586	2.19E-128	3.55E-124	Down
Cebpd	153.6615424	213.038258	79.44064795	0.372623972	-1.424207605	2.68E-08	5.06E-06	Down
Ch25h	50.8794533	74.71246699	21.08818619	0.281664626	-1.827949704	0.002353648	0.060288662	Down
Clec4e	1.684535228	3.032163411	0	0.059874106	-4.06192399	0.002170341	0.056951292	Down
Csf3	6.369841678	11.27359113	0.240154862	0.026551481	-5.235063847	0.001345314	0.040242975	Down
Cxcl1	19.49437147	33.11517843	2.468362775	0.074518861	-3.746250569	6.44E-06	0.000570191	Down
Dsc3	10.72196178	14.33328344	6.207809699	0.431181849	-1.213631647	0.010217163	0.15409228	Down
Epyc	10.59136557	15.69667163	4.209732998	0.267529178	-1.90223185	0.004023682	0.087492187	Down
F10	1.995315255	3.386688656	0.256098503	0.088068473	-3.505230535	0.012793714	0.175691265	Down
Gabrr1	17.22668746	22.86856468	10.17434093	0.444106578	-1.171022155	0.0213026	0.239293317	Down
Glyat	9.406474631	12.36205609	5.711997808	0.460660492	-1.118224224	0.024139682	0.254280715	Down
Gm2956	4.813165198	6.693523152	2.462717756	0.368841693	-1.438926353	0.030910167	0.289880967	Down
Gm8094	6.151547102	8.49621307	3.220714643	0.378034681	-1.403409502	0.01750586	0.212651572	Down
Gm9237	2.673191604	4.040238652	0.964382794	0.242389063	-2.044603491	0.048073011	0.36937082	Down
Gprc5a	12.55406579	17.81358352	5.979668629	0.334396959	-1.580366369	0.006860249	0.122992295	Down
Grrp1	165.1699331	216.3757306	101.1626861	0.46732728	-1.097494838	2.82E-09	6.35E-07	Down
Icam1	149.7520837	207.894458	77.0741158	0.370793191	-1.431313344	0.00014518	0.007129734	Down
Il31ra	19.33223396	26.85429546	9.929657083	0.37075899	-1.431446419	0.039497873	0.332121722	Down
Itih4	6.134457228	8.470546315	3.21434587	0.378673818	-1.400972421	0.03485729	0.308129287	Down
Lcn2	265.3385411	426.2871457	64.15278543	0.150430483	-2.732831157	7.51E-05	0.004340997	Down
Maff	74.42959694	97.57331215	45.49995292	0.465279219	-1.103831342	4.22E-05	0.002772847	Down
Marveld3	12.26727554	15.99528044	7.607269414	0.477389349	-1.066761716	0.009222033	0.145430558	Down

Mcoln2	1.878290737	2.995170209	0.482191397	0.163647118	-2.611339903	0.047920792	0.368899255	Down
Mmp8	3.322160283	5.370700301	0.761485261	0.138912767	-2.847748897	0.021742003	0.241721069	Down
Mpz	14.87859086	21.29128233	6.862726519	0.322838159	-1.631116983	0.035198933	0.310052207	Down
Mpzl2	66.17366785	86.85062608	40.32747005	0.465051413	-1.104537876	0.001602173	0.045576346	Down
Plaur	43.9025484	64.32005792	18.3806615	0.284518756	-1.813404333	9.20E-11	3.25E-08	Down
Plscr5	10.85243863	14.39909603	6.419116872	0.446075427	-1.16464042	0.013690775	0.18302819	Down
Pou4f2	107.3835371	139.7775342	66.89104058	0.478246125	-1.064174814	0.031258208	0.291796013	Down
Ptgs2	139.0236192	188.7119856	76.91316119	0.407767728	-1.294180495	0.002608627	0.064591365	Down
Rec114	11.54297038	15.21537784	6.952461063	0.456089969	-1.132609653	0.039053078	0.330569089	Down
Rxfp2	28.24512316	36.46362017	17.97200189	0.493232721	-1.019659583	0.021229667	0.239135568	Down
Sele	12.5068623	21.3288766	1.47934442	0.069367575	-3.849594735	0.000266491	0.011794582	Down
Selp	37.39757307	65.55219465	2.204296107	0.033715335	-4.890451269	6.26E-08	1.07E-05	Down
Serpina3f	52.07247087	90.15313315	4.471643022	0.049437261	-4.338257372	9.52E-12	4.18E-09	Down
Serpina3g	110.7365794	147.1065613	65.27410189	0.443123057	-1.174220698	0.000923747	0.030621285	Down
Serpina3i	4.368108066	6.26391318	1.998351673	0.316233042	-1.660939979	0.02500221	0.259994316	Down
Slc6a20b	3.898030427	6.427328186	0.736408227	0.114801375	-3.122788174	0.004332864	0.091282381	Down
Socs3	73.50179769	96.42799788	44.84404745	0.46498535	-1.104742831	0.004469984	0.093084551	Down
Spon2	8.154852473	10.94605554	4.665848635	0.427824218	-1.224909943	0.019818433	0.229512617	Down
Steap4	37.14065558	52.55658344	17.87074575	0.340114958	-1.55590564	0.010504051	0.156386162	Down
Timp1	15.37569244	21.94442697	7.16477427	0.326054195	-1.616816313	0.003047566	0.072796491	Down
Tmem252	248.0597739	400.5122668	57.49415778	0.143436174	-2.801519183	1.14E-07	1.81E-05	Down