

Supplementary Table 2: List of 1262 screen CSR-lncRNAs

correlation	<i>P</i> value	gene	LncRNA
0.751101077	2.22E-16	TLR7	AC138207.5
0.711725577	3.24E-14	TLR7	AC138207.4
0.694780113	2.29E-13	CEBPA	AC138207.5
0.673442127	2.24E-12	TLR7	LINC01150
0.667915397	3.92E-12	TLR7	PCED1B-AS1
0.663031813	6.37E-12	TLR7	AL161785.1
0.647017729	2.94E-11	TLR7	AC090559.1
0.643378947	4.11E-11	TLR7	AC110995.1
0.638981193	6.13E-11	TLR7	AC138207.1
0.631624809	1.18E-10	TLR7	HLA-DQB1-AS1
0.611037376	6.71E-10	TLR7	MIR223HG
0.610140827	7.22E-10	TLR7	KLHDC7B-DT
0.597176042	2.02E-09	TLR7	AC129507.1
0.592240828	2.96E-09	CX3CR1	AC138207.5
0.570552023	1.46E-08	CEBPA	AC110995.1
0.562860065	2.51E-08	TLR7	CARD8-AS1
0.560321567	2.98E-08	CEBPA	PCED1B-AS1
0.558218416	3.45E-08	CEBPA	CEBPA-DT
0.558073841	3.48E-08	CEBPA	AC138207.4
0.557328084	3.66E-08	CX3CR1	AC138207.4
0.552364624	5.12E-08	TLR7	CCR5AS
0.550821631	5.67E-08	TLR7	AC093278.2
0.544610958	8.54E-08	CEBPA	KLHDC7B-DT
0.539277924	1.21E-07	TLR7	AC012645.3
0.539262817	1.21E-07	CEBPA	LINC01150
0.536019845	1.48E-07	TLR7	AL590764.1
0.531597914	1.96E-07	TLR7	AC243960.1
0.530601707	2.09E-07	JAK3	CARD8-AS1
0.529899404	2.18E-07	JAK3	AC006033.2
0.528604478	2.36E-07	PDPN	AC234582.1
0.527149207	2.58E-07	JAK3	AC004687.1
0.527147279	2.58E-07	JAK3	MIR223HG
0.525564443	2.85E-07	MYC	RHPN1-AS1
0.521326531	3.68E-07	JAK3	AC243960.1
0.520618853	3.85E-07	CX3CR1	LINC01150
0.519207698	4.19E-07	TLR7	AL133371.2
0.515698061	5.16E-07	TLR7	AC002091.1
0.512588169	6.21E-07	CX3CR1	AC138207.1
0.510248921	7.12E-07	TLR7	AF230666.1
0.508371434	7.94E-07	JAK3	DOCK8-AS1
0.50796422	8.13E-07	JAK3	LINC02755
0.504903028	9.70E-07	CEBPA	AL161785.1
0.504247284	1.01E-06	JAK3	AC090559.1
0.50296685	1.08E-06	CX3CR1	AC110995.1
0.502424899	1.12E-06	TLR7	LINC01094
0.49987344	1.29E-06	TLR7	AC004687.1
0.498650859	1.38E-06	CEBPA	TNRC6C-AS1
0.49731191	1.49E-06	JAK3	AC068987.3
0.495610806	1.64E-06	CEBPA	AC002091.1
0.493581484	1.84E-06	TLR7	AC006033.2
0.492986576	1.90E-06	TLR7	AC009119.1
0.492603955	1.94E-06	JAK3	AC108134.3
0.492307615	1.97E-06	TLR7	PTPRN2-AS1
0.491557776	2.05E-06	CX3CR1	AL161785.1
0.48835149	2.45E-06	JAK3	AL161785.1

0.486977123	2.64E-06	JAK3	PTPRN2-AS1
0.48628999	2.74E-06	TLR7	AC015911.3
0.485836857	2.80E-06	TLR7	LINC02642
0.484935457	2.94E-06	TLR7	AP001972.1
0.484366236	3.04E-06	TRIM21	KLHDC7B-DT
0.483911142	3.11E-06	TLR7	C9orf139
0.482218161	3.41E-06	CEBPA	AL031775.1
0.48196438	3.45E-06	TLR7	AL365361.1
0.481801937	3.48E-06	CX3CR1	PCED1B-AS1
0.480919741	3.65E-06	TLR7	TNRC6C-AS1
0.480678006	3.70E-06	CX3CR1	LINC01094
0.479715295	3.89E-06	JAK3	TM4SF19-AS1
0.479624174	3.91E-06	JAK3	ITGB2-AS1
0.479442666	3.95E-06	JAK3	KLHDC7B-DT
0.478284374	4.20E-06	CEBPA	AC129507.1
0.476571799	4.59E-06	PDPN	AC139099.2
0.47573939	4.80E-06	TLR7	LINC02285
0.475298704	4.91E-06	TLR7	AC011899.2
0.475264876	4.92E-06	TLR7	AP001636.3
0.474632729	5.08E-06	JAK3	LINC00957
0.47322084	5.47E-06	CEBPA	WDR86-AS1
0.471886564	5.86E-06	PDPN	MBNL1-AS1
0.471749024	5.90E-06	TLR7	AC026369.2
0.470523913	6.29E-06	CEBPA	AC008556.1
0.468632614	6.93E-06	CX3CR1	MIR223HG
0.467663661	7.28E-06	CEBPA	AC012645.3
0.466723031	7.64E-06	TLR7	LINC01480
0.466338241	7.79E-06	CEBPA	AC015911.3
0.464902955	8.38E-06	JAK3	LINC02611
0.464750372	8.44E-06	TLR7	LINC00622
0.462586564	9.42E-06	JAK3	AC005906.2
0.461904875	9.74E-06	NOTCH3	AC091979.1
0.461774443	9.81E-06	JAK3	PCAT19
0.461089195	1.01E-05	CX3CR1	AC012645.3
0.460916814	1.02E-05	RAD17	AC010280.2
0.46066005	1.04E-05	CX3CR1	AC129507.1
0.460594623	1.04E-05	ATG7	AL161935.1
0.459862337	1.08E-05	MITF	LINC01283
0.459598212	1.09E-05	JAK3	LINC01013
0.458714882	1.14E-05	PDPN	MEG9
0.457997955	1.18E-05	JAK3	PCED1B-AS1
0.457878777	1.19E-05	JAK3	LINC00987
0.45703906	1.24E-05	CEBPA	MIR223HG
0.456570381	1.27E-05	JAK3	AC008556.1
0.45643414	1.28E-05	NOTCH3	SH3RF3-AS1
0.456109117	1.30E-05	CEBPA	AC138207.1
0.45520913	1.36E-05	TLR7	MACORIS
0.455041941	1.37E-05	NOTCH3	AP001831.1
0.454510344	1.41E-05	TLR7	AL355922.1
0.453819206	1.45E-05	JAK3	LINC01480
0.453005559	1.51E-05	TLR7	AC108134.3
0.452408193	1.56E-05	JAK3	C20orf197
0.452282832	1.57E-05	JAK3	AC010538.1
0.45201161	1.59E-05	RAD17	AL583808.1
0.451648181	1.62E-05	CX3CR1	AC090559.1
0.451490745	1.63E-05	MITF	DOCK8-AS1
0.451047889	1.66E-05	NOTCH3	AC090559.1
0.45005822	1.75E-05	MYC	EMSLR

0.449146314	1.82E-05	RAD17	AC092354.2
0.448901689	1.85E-05	JAK3	AC009119.1
0.447688658	1.96E-05	MITF	AC006033.2
0.447625797	1.96E-05	MYC	PVT1
0.447083325	2.01E-05	ATG7	MAGEA10-MAGEA5
0.444895201	2.23E-05	TLR7	AC002091.2
0.444086707	2.32E-05	PDPN	AL356019.2
0.443983152	2.33E-05	CEBPA	DOCK8-AS1
0.443885326	2.34E-05	CEBPA	AC093278.2
0.442173152	2.54E-05	JAK3	AC138207.5
0.441736613	2.59E-05	TLR7	AL031775.1
0.441551016	2.62E-05	CEBPA	AL365361.1
0.441311691	2.65E-05	JAK3	AL133343.2
0.440457629	2.76E-05	MITF	GAPLINC
0.440424485	2.76E-05	TLR7	AP002954.1
0.44026972	2.78E-05	JAK3	AC093278.2
0.440156121	2.79E-05	PDPN	MEG3
0.440041007	2.81E-05	TRIM21	MACORIS
0.439149343	2.93E-05	TLR7	AL731567.1
0.439015918	2.95E-05	RAD17	AL353596.1
0.438255465	3.05E-05	ATG7	AC121761.2
0.437701233	3.13E-05	JAK3	C9orf139
0.436637454	3.29E-05	TLR7	AC006272.1
0.436525815	3.31E-05	JAK3	TRG-AS1
0.436474141	3.32E-05	TLR7	AP001189.1
0.436156911	3.37E-05	PDPN	AL513165.1
0.436111617	3.37E-05	TLR7	FAM198B-AS1
0.43545183	3.48E-05	ATG7	AC010636.1
0.434439675	3.64E-05	JAK3	MIR3142HG
0.43442964	3.64E-05	NOTCH3	AL161935.1
0.433815936	3.75E-05	NOTCH3	MSC-AS1
0.433253349	3.85E-05	JAK3	CH17-340M24.3
0.430933869	4.28E-05	TLR7	AC004466.1
0.430828905	4.30E-05	JAK3	AL133371.2
0.430340401	4.39E-05	CEBPA	AC026369.2
0.430140079	4.43E-05	CEBPA	AC069209.1
0.430037079	4.45E-05	NOTCH3	AC136475.7
0.429690981	4.52E-05	JAK3	AC007376.2
0.429414683	4.58E-05	TLR7	AC018645.3
0.429357538	4.59E-05	JAK3	L3MBTL4-AS1
0.429228167	4.62E-05	JAK3	AL138960.1
0.428077666	4.87E-05	RAD17	LINC01554
0.42782211	4.92E-05	TLR7	AC003070.1
0.42745016	5.01E-05	TLR7	LINC00996
0.426830079	5.15E-05	CX3CR1	HLA-DQB1-AS1
0.426751851	5.17E-05	TLR7	LINC02611
0.426683137	5.18E-05	CEBPA	AC004687.1
0.426682367	5.18E-05	PDPN	TMEM75
0.426460389	5.23E-05	CEBPA	AC090559.1
0.4263046	5.27E-05	ATG7	AC034102.8
0.425434579	5.48E-05	TRIM21	NR1R
0.425245806	5.53E-05	TLR7	AC022706.1
0.425134752	5.55E-05	CEBPA	AC087742.1
0.424703122	5.66E-05	CEBPA	AC018755.4
0.424347967	5.75E-05	JAK3	PELATON
0.424210516	5.79E-05	TLR7	AC008556.1
0.424017536	5.84E-05	PDPN	AC083964.1
0.423577469	5.95E-05	PDPN	AC002563.1

0.423290709	6.03E-05	JAK3	LINC01943
0.422847658	6.15E-05	JAK3	AC136475.5
0.422177122	6.33E-05	NOTCH3	AC096708.2
0.420912726	6.70E-05	TLR7	NRIR
0.420881046	6.71E-05	JAK3	LINC00622
0.42061459	6.79E-05	TLR7	C20orf197
0.420530303	6.81E-05	JAK3	AC002480.2
0.420371589	6.86E-05	TLR7	AC145098.1
0.420176526	6.92E-05	JAK3	MMP2-AS1
0.420120525	6.93E-05	TLR7	LINC02828
0.41996122	6.98E-05	CEBPA	LINC01480
0.419864331	7.01E-05	MITF	TM4SF19-AS1
0.419162532	7.23E-05	JAK3	AC106745.1
0.418986868	7.29E-05	MITF	AC073115.2
0.418750183	7.36E-05	CEBPA	CCR5AS
0.418523208	7.44E-05	JAK3	AC002091.1
0.418519638	7.44E-05	CEBPA	HLA-DQB1-AS1
0.418270403	7.52E-05	JAK3	AC011472.2
0.418270341	7.52E-05	CEBPA	AC011468.3
0.418114904	7.57E-05	RAD17	CKMT2-AS1
0.418022961	7.60E-05	RAD17	LINC02518
0.417868136	7.65E-05	MITF	AC145098.1
0.417712599	7.71E-05	PDPN	Z82249.1
0.41686747	7.99E-05	MITF	AC090559.1
0.416816064	8.01E-05	TLR7	AC243960.3
0.416381045	8.17E-05	CX3CR1	AC104083.1
0.41606002	8.28E-05	JAK3	AC025857.2
0.415879806	8.35E-05	MITF	AC004264.1
0.415228067	8.58E-05	TLR7	LINC01637
0.415176784	8.60E-05	TLR7	AC012360.2
0.41511243	8.63E-05	JAK3	AC012653.2
0.414862813	8.72E-05	NOTCH3	LINC00622
0.414583523	8.83E-05	JAK3	TNRC6C-AS1
0.414105926	9.01E-05	TLR7	AC104083.1
0.41320515	9.37E-05	CEBPA	LINC01637
0.412960621	9.47E-05	PDPN	AF131216.3
0.412498165	9.66E-05	CEBPA	LINC00622
0.412483492	9.66E-05	CEBPA	AC015819.1
0.412301088	9.74E-05	ATG7	LINC02041
0.412286787	9.74E-05	TLR7	DOCK8-AS1
0.411932954	9.89E-05	PDPN	AC100788.1
0.411293589	0.000101674	JAK3	WDR86-AS1
0.41125775	0.000101829	JAK3	AC243960.3
0.410814096	0.000103778	CX3CR1	CEBPA-DT
0.410369598	0.000105764	NOTCH3	A2M-AS1
0.410225777	0.000106415	NOTCH3	LINC02126
0.409340858	0.000110498	CEBPA	AL133371.2
0.409318713	0.000110602	JAK3	TNFRSF14-AS1
0.409285494	0.000110758	JAK3	AC008050.1
0.40917911	0.00011126	CEBPA	AC027348.1
0.409098748	0.00011164	TLR7	AC015819.1
0.408903603	0.000112568	JAK3	LINC01770
0.40888522	0.000112656	MITF	CFAP61-AS1
0.408660428	0.000113735	CX3CR1	AP001972.1
0.408268885	0.000115638	TLR7	AC005083.1
0.407826778	0.000117822	ATG7	AL583808.1
0.407781833	0.000118046	ATG7	ZBED3-AS1
0.407257386	0.000120691	JAK3	HLA-DQB1-AS1

0.407172291	0.000121125	JAK3	C22orf34
0.406951544	0.000122258	PDPN	LINC01915
0.406723621	0.000123439	NOTCH3	NRXN2-AS1
0.406341464	0.000125441	CEBPA	AC010247.2
0.406104215	0.0001267	TLR7	AC100812.1
0.405829823	0.00012817	ATG7	AC124045.1
0.405595043	0.00012944	CEBPA	IL10RB-DT
0.405489916	0.000130013	JAK3	AP001972.1
0.405453308	0.000130213	TLR7	AC010247.2
0.405377463	0.000130628	TLR7	AC104794.5
0.404616156	0.000134863	JAK3	HEXA-AS1
0.404531809	0.00013534	JAK3	AC009812.4
0.404381399	0.000136195	JAK3	FIGNL2-DT
0.404321757	0.000136535	MITF	AC004596.1
0.403940588	0.000138727	TLR7	ITGB2-AS1
0.403743141	0.000139876	JAK3	TDRKH-AS1
0.403725828	0.000139977	MYC	AL513165.1
0.403474845	0.000141451	TLR7	NCK1-DT
0.403462942	0.000141521	CX3CR1	AF230666.1
0.403152891	0.000143362	CEBPA	AC005498.3
0.40296399	0.000144495	JAK3	AC092484.1
0.402274004	0.000148702	JAK3	AC087741.1
0.401663275	0.000152521	MITF	AC005479.1
0.401611874	0.000152846	JAK3	AC145098.1
0.40154361	0.000153279	MITF	MACORIS
0.401210498	0.00015541	TLR7	AC000067.1
0.40081314	0.000157987	CEBPA	AC006960.3
0.400592082	0.000159437	NOTCH3	LINC01522
0.400548036	0.000159728	TLR7	AC018755.4
0.400345473	0.00016107	CEBPA	AC008937.2
0.399671952	0.000165609	CEBPA	AC008105.3
0.39965778	0.000165705	JAK3	AL590764.1
0.399520042	0.000166648	JAK3	LINC01857
0.399445551	0.00016716	TLR7	EFCAB14-AS1
0.399331507	0.000167947	TLR7	AC069549.1
0.399246822	0.000168534	PDPN	AP000785.1
0.399204204	0.00016883	JAK3	AC008972.2
0.399138997	0.000169283	CEBPA	AP001972.1
0.399134069	0.000169317	TLR7	AC005996.1
0.399104743	0.000169522	JAK3	ARHGAP15-AS1
0.398905209	0.000170919	TRIM21	AC116407.2
0.398252444	0.000175563	CEBPA	CARD8-AS1
0.398115514	0.000176552	JAK3	AL391832.3
0.397895504	0.000178152	RAD17	MACORIS
0.397883197	0.000178241	TLR7	MMP2-AS1
0.397763694	0.000179116	RAD17	AC008966.2
0.397624295	0.000180142	RAD17	MCF2L-AS1
0.397597987	0.000180336	CX3CR1	TRPM2-AS
0.397561939	0.000180602	TLR7	AC116667.1
0.397251411	0.000182912	PDPN	FAM222A-AS1
0.396976784	0.000184977	JAK3	AC018529.2
0.396701328	0.00018707	TLR7	GHRLOS
0.396600954	0.000187838	TRIM21	WDR86-AS1
0.39654783	0.000188246	RAD17	AC074237.1
0.396412834	0.000189285	ATG7	AC015819.1
0.39639627	0.000189413	JAK3	AC124248.1
0.396254253	0.000190513	CEBPA	AC243960.1
0.396186678	0.000191039	JAK3	AC004921.1

0.396085322	0.00019183	CEBPA	AC022706.1
0.395482026	0.000196599	TLR7	AL390198.1
0.395190813	0.000198941	JAK3	LINC02725
0.395121976	0.000199498	MITF	AC096921.2
0.395101603	0.000199663	TLR7	AC083862.1
0.394842693	0.000201773	JAK3	AC008750.1
0.394704202	0.00020291	JAK3	PDXP-DT
0.394681487	0.000203097	ATG7	AC106052.1
0.394674237	0.000203157	JAK3	AC027348.1
0.394062884	0.000208253	ATG7	AC090204.1
0.393729212	0.000211084	CX3CR1	AC069209.1
0.393623538	0.000211988	PDPN	LINC02035
0.393582715	0.000212339	PDPN	EMSLR
0.393514159	0.000212928	JAK3	HCP5
0.393127433	0.00021628	NOTCH3	AC026369.2
0.392995459	0.000217435	RAD17	AC005586.1
0.392979543	0.000217575	JAK3	LINC01836
0.392885121	0.000218405	TLR7	LINC02705
0.392301189	0.000223606	ATG7	AC090559.1
0.392227408	0.000224271	CX3CR1	AC003070.1
0.391794327	0.000228212	TLR7	LINC02812
0.39179241	0.00022823	NOTCH3	AC129507.1
0.391377072	0.00023207	ATG7	POU6F2-AS2
0.391261331	0.00023315	JAK3	MACORIS
0.391181727	0.000233896	TLR7	LINC01907
0.3911462	0.00023423	TLR7	AC092431.1
0.391112641	0.000234545	PDPN	PITRM1-AS1
0.390525219	0.000240132	PDPN	AP000697.1
0.390303549	0.000242272	ATG7	AC068875.1
0.389948314	0.000245738	RAD17	AC010273.2
0.389821074	0.00024699	PDPN	AC137894.1
0.389436884	0.000250808	RAD17	AL137847.1
0.389184728	0.000253343	CX3CR1	AP001636.3
0.388812186	0.000257131	RAD17	AP001972.1
0.388793828	0.000257319	TLR7	LINC00997
0.388532839	0.000260006	JAK3	NUP50-DT
0.388225945	0.000263199	NOTCH3	DOCK8-AS1
0.387943647	0.000266167	RAD17	ZBED3-AS1
0.387803557	0.000267651	CEBPA	AC008972.2
0.387763167	0.000268081	ATG7	AL133371.2
0.387596936	0.000269855	MITF	MAGEA10-MAGEA5
0.386923978	0.000277147	CEBPA	AC104836.1
0.386895232	0.000277463	TLR7	AC079015.1
0.38643704	0.000282537	JAK3	ZBED3-AS1
0.386386417	0.000283102	JAK3	HOXA-AS2
0.386346937	0.000283544	RAD17	AC025766.1
0.386197839	0.000285219	JAK3	AC129507.1
0.386062429	0.000286748	MITF	PELATON
0.385992088	0.000287545	JAK3	CASC20
0.385877874	0.000288844	TLR7	AC060766.4
0.385772123	0.000290051	JAK3	AC007040.1
0.385721756	0.000290628	JAK3	MIR3945HG
0.385692303	0.000290966	JAK3	AL365361.1
0.385638482	0.000291584	MYC	CCDC26
0.385519601	0.000292953	JAK3	SATB1-AS1
0.385289145	0.000295625	TLR7	TRPM2-AS
0.385077634	0.000298096	CEBPA	C20orf197
0.384847089	0.000300812	CEBPA	LINC01094

0.384836465	0.000300938	RAD17	AC022973.3
0.384797833	0.000301395	JAK3	AL022316.1
0.384722484	0.000302289	PDPN	RNF207-AS1
0.384606428	0.000303671	JAK3	AC096921.2
0.384595524	0.000303801	CEBPA	C9orf139
0.38456218	0.000304199	TLR7	AC007728.2
0.384553467	0.000304303	TLR7	ARHGAP27P1-BPTFP1-KPNA2P3
0.384353092	0.000306707	TLR7	AL358072.1
0.384275587	0.000307642	JAK3	AC116563.1
0.384021887	0.000310719	JAK3	AC000067.1
0.383610624	0.000315768	PDPN	AC008507.2
0.383556662	0.000316436	TLR7	KIF1C-AS1
0.383426269	0.000318056	MYC	ELFN1-AS1
0.38320456	0.000320827	JAK3	LINC01150
0.382999192	0.000323414	CX3CR1	LINC00663
0.38216568	0.000334111	RAD17	AC079779.2
0.381898111	0.000337613	JAK3	LINC00996
0.381864622	0.000338053	NOTCH3	LINC00398
0.381198819	0.000346925	CEBPA	AC011899.2
0.381116797	0.000348033	JAK3	AC245128.3
0.380967327	0.000350059	TLR7	LINC01465
0.380870702	0.000351375	JAK3	AC025754.2
0.38044935	0.000357167	NOTCH3	AC083809.1
0.380228639	0.000360236	JAK3	LINC01220
0.380181439	0.000360895	CEBPA	AC006213.1
0.380022458	0.000363124	RAD17	AC023034.1
0.379609193	0.000368978	MITF	AC068580.3
0.379579874	0.000369396	CEBPA	AC100812.1
0.379369523	0.000372412	TLR7	AC008105.3
0.379179597	0.000375155	ATG7	AC108134.3
0.379149869	0.000375585	TLR7	LINC02518
0.379033483	0.000377277	JAK3	RBAKDN
0.378868638	0.000379684	JAK3	KCNH1-IT1
0.378803253	0.000380643	PDPN	AL049569.1
0.378773957	0.000381074	PDPN	AP001439.1
0.378508908	0.000384987	CEBPA	AC108134.3
0.378468721	0.000385584	JAK3	SOCAR
0.378415868	0.00038637	JAK3	LINC01637
0.377952279	0.000393327	JAK3	AC016717.2
0.377844411	0.000394962	RAD17	AC010636.1
0.377707009	0.000397054	JAK3	Z97353.2
0.377568136	0.000399179	CX3CR1	KLHDC7B-DT
0.377550298	0.000399452	NOTCH3	AC024909.1
0.37731726	0.000403043	MITF	AL132712.1
0.377259358	0.00040394	CX3CR1	AC104836.1
0.37711906	0.00040612	TLR7	AC008937.2
0.377073832	0.000406826	CX3CR1	AC093278.2
0.376999256	0.000407991	JAK3	AC009087.1
0.376787463	0.000411317	ATG7	MIR548XHG
0.376656053	0.000413393	CEBPA	AC018645.3
0.376308596	0.00041893	MITF	AL365203.2
0.376153737	0.000421419	JAK3	AC012511.1
0.376009815	0.000423744	TLR7	AL161935.1
0.375417179	0.000433445	ATG7	AC138207.1
0.375311342	0.000435198	CEBPA	AC009159.3
0.37474119	0.000444758	PDPN	APCDD1L-DT
0.374608928	0.000447003	TLR7	AC007406.3
0.374522802	0.00044847	MYC	BARX1-DT

0.374429224	0.000450069	JAK3	HMGA2-AS1
0.37436466	0.000451176	CEBPA	AL589765.4
0.374357309	0.000451302	JAK3	AP000812.1
0.374252664	0.000453101	JAK3	LINC00924
0.374219691	0.00045367	JAK3	Z97192.2
0.374183556	0.000454293	RAD17	AL023881.1
0.37408178	0.000456053	CEBPA	AL590764.1
0.373745993	0.000461906	CX3CR1	AC135983.2
0.373516116	0.000465952	MITF	LINC01426
0.373396024	0.000468079	CEBPA	PTPRJ-AS1
0.37276501	0.000479399	MITF	THCAT158
0.372469639	0.000484784	RAD17	LINC02041
0.372468523	0.000484805	PDPN	AC092598.1
0.372395993	0.000486135	CEBPA	AC100803.3
0.372331674	0.000487318	CX3CR1	AC104794.5
0.372208081	0.000489599	RAD17	AL162426.1
0.37201228	0.000493232	TRIM21	LINC02574
0.371889336	0.000495525	TLR7	LINC01871
0.371841134	0.000496427	JAK3	AC018755.4
0.371761356	0.000497923	NOTCH3	AP001189.1
0.371463543	0.000503544	CEBPA	AC079015.1
0.371389461	0.000504952	CEBPA	AP001189.1
0.371204127	0.000508488	JAK3	AC090673.1
0.37085335	0.000515243	PDPN	MIR99AHG
0.370704889	0.000518127	CX3CR1	AC092747.4
0.370516891	0.0005218	MITF	AC090673.1
0.370510108	0.000521933	CX3CR1	AC069437.1
0.370437455	0.000523359	TLR7	C2-AS1
0.370376028	0.000524568	TLR7	LINC02391
0.37026708	0.000526717	NOTCH3	AL157904.1
0.370087629	0.000530276	JAK3	AC124045.1
0.369793593	0.000536154	CX3CR1	AC012467.2
0.369672319	0.000538596	PDPN	CCDC26
0.36893795	0.000553601	TLR7	LINC02004
0.368529497	0.000562111	TLR7	LINC01197
0.368428623	0.000564231	TRIM21	AC015911.3
0.368075589	0.000571708	ATG7	AC104794.5
0.367998462	0.000573354	MITF	LINC00520
0.367842698	0.00057669	PDPN	TMEM92-AS1
0.367753765	0.000578603	TLR7	AC009962.1
0.367743288	0.000578829	TRIM21	LINC01497
0.36737901	0.000586728	TLR7	AL356020.1
0.367337341	0.000587638	PDPN	KIF26B-AS1
0.367272412	0.000589058	RAD17	AC024243.1
0.366946283	0.000596239	CEBPA	LINC01770
0.366898932	0.000597288	TLR7	AL158166.2
0.366579541	0.00060441	ATG7	AC023310.4
0.366537376	0.000605356	CX3CR1	AC107294.3
0.366471261	0.000606842	NOTCH3	FAM198B-AS1
0.366203863	0.000612886	ATG7	LINC02285
0.365993682	0.000617675	RAD17	AC012645.4
0.365975154	0.000618099	JAK3	AL031775.1
0.36559412	0.000626874	ATG7	LINC02542
0.365536583	0.000628209	JAK3	GUSBP11
0.365416449	0.000631004	PDPN	RHPN1-AS1
0.36526643	0.000634511	JAK3	AC009113.1
0.365263625	0.000634577	MITF	FER1L6-AS2
0.365208034	0.000635881	TLR7	AC135178.2



0.365175571	0.000636644	MITF	AL133371.2
0.365167882	0.000636824	CEBPA	AC106886.2
0.365131328	0.000637685	PDPN	AC092653.1
0.364928107	0.000642485	TRIM21	AC015819.1
0.364902232	0.000643099	TLR7	AC104836.1
0.364901999	0.000643104	PDPN	AC140847.2
0.36473721	0.000647025	TRIM21	PELATON
0.364604637	0.000650195	NOTCH3	LINC01614
0.364486833	0.000653024	NOTCH3	AC233992.3
0.364457128	0.000653739	TLR7	AC243830.2
0.364441789	0.000654108	TLR7	WDR86-AS1
0.364425185	0.000654508	CEBPA	ITGB2-AS1
0.364400794	0.000655097	ATG7	AC010280.2
0.364378292	0.00065564	CX3CR1	AC026369.2
0.364325348	0.000656919	TLR7	CEP250-AS1
0.364318989	0.000657073	MITF	AC023310.4
0.363721717	0.00067167	CEBPA	AL355922.1
0.363693429	0.000672369	MITF	AC016876.3
0.363654913	0.000673321	RAD17	AC022150.3
0.363601259	0.00067465	RAD17	AC002076.1
0.363564569	0.00067556	JAK3	AC009549.1
0.363443071	0.000678581	CEBPA	AL844908.2
0.363431528	0.000678868	JAK3	AL138930.1
0.36341996	0.000679157	TLR7	U73169.1
0.363410879	0.000679383	CX3CR1	Z82188.2
0.363409942	0.000679407	NOTCH3	AC025569.1
0.363369005	0.000680429	NOTCH3	AC007731.2
0.363310536	0.000681891	RAD17	LINC00653
0.363058132	0.000688234	MYC	AC020907.1
0.362467535	0.000703289	JAK3	AC004264.1
0.362447241	0.000703812	ATG7	AP001972.1
0.362167334	0.000711056	TLR7	LINC01836
0.361636208	0.00072499	MYC	AC138956.2
0.361464927	0.000729536	CEBPA	AL606534.1
0.361461397	0.00072963	ATG7	AC060766.4
0.361449443	0.000729948	JAK3	DBH-AS1
0.361120342	0.000738761	NOTCH3	AC025437.5
0.36078487	0.000747843	MITF	AC090877.2
0.360597976	0.000752948	CEBPA	AC100814.1
0.360404672	0.00075826	MITF	AL355922.1
0.360346437	0.000759867	PDPN	AC083906.3
0.360325722	0.00076044	CEBPA	AC034102.8
0.360241295	0.000762777	RAD17	LINC02435
0.360239257	0.000762834	JAK3	AC068987.2
0.360233589	0.000762991	ATG7	AC129507.1
0.36020473	0.000763791	MITF	AL121894.1
0.360172731	0.00076468	CEBPA	AC012368.1
0.35999514	0.000769629	TRIM21	AC108134.3
0.359716091	0.000777463	JAK3	CEP250-AS1
0.359609732	0.000780469	JAK3	LINC00528
0.359419831	0.000785861	JAK3	AC106052.1
0.359380654	0.000786978	JAK3	AC005479.1
0.35927168	0.000790091	ATG7	LINC02755
0.359080808	0.000795572	CX3CR1	AC018645.3
0.358944503	0.000799507	JAK3	CRIM1-DT
0.35890712	0.00080059	CEBPA	AC135178.4
0.358771171	0.000804537	JAK3	LINCR-0001
0.358737857	0.000805507	JAK3	NR2F2-AS1

0.358702831	0.000806528	PDPN	MEG8
0.358700462	0.000806597	TRIM21	LINC00844
0.358693787	0.000806792	PDPN	AC005954.1
0.358623622	0.000808841	JAK3	HOMER3-AS1
0.358596705	0.000809629	MITF	AC129507.1
0.358574813	0.000810269	CEBPA	AC079210.1
0.358492472	0.000812684	PDPN	LINC01589
0.358374608	0.000816153	NOTCH3	AC000032.1
0.35822546	0.000820561	CX3CR1	LINC02642
0.358143659	0.000822988	CEBPA	AC000067.1
0.358102449	0.000824213	TLR7	AC011468.3
0.358085191	0.000824726	TLR7	IGFBP7-AS1
0.357994832	0.00082742	CEBPA	AC087273.2
0.357878478	0.0008309	RAD17	AC025031.1
0.357752876	0.000834672	MITF	LINC02090
0.357702427	0.000836191	CEBPA	AC009119.1
0.357503076	0.000842219	CX3CR1	AP001189.1
0.35747919	0.000842944	CEBPA	C2-AS1
0.35720369	0.000851347	JAK3	AC008763.1
0.357198905	0.000851494	ATG7	AC093278.2
0.357194205	0.000851638	JAK3	CFAP58-DT
0.357102854	0.000854441	JAK3	NRIR
0.357006889	0.000857396	JAK3	CCR5AS
0.356983009	0.000858133	CEBPA	AC005899.7
0.356903482	0.00086059	PDPN	AL591848.4
0.35675429	0.000865217	JAK3	AL031123.2
0.356491188	0.000873433	PDPN	CACNA1C-AS1
0.356424415	0.000875529	ATG7	Z98200.1
0.356189391	0.000882944	RAD17	AC034102.8
0.355992868	0.000889188	JAK3	AC004233.2
0.355958043	0.000890299	MITF	LINC00398
0.3558881	0.000892534	TLR7	PCAT19
0.355447556	0.000906725	ATG7	LINC02266
0.355374056	0.000909113	JAK3	AC068338.3
0.355345165	0.000910053	ATG7	LINC02785
0.355229986	0.00091381	TLR7	PSMB8-AS1
0.35508975	0.000918403	MITF	AL121748.1
0.354995976	0.000921486	RAD17	WDR86-AS1
0.354857163	0.000926066	CEBPA	AC060766.4
0.354624584	0.000933788	JAK3	AC022973.3
0.354443196	0.000939851	RAD17	GUSBP11
0.354432241	0.000940218	NOTCH3	AL034550.1
0.354399109	0.00094133	MITF	AC090204.1
0.354240206	0.000946678	JAK3	AL691420.1
0.354127506	0.000950488	PDPN	C9orf135-DT
0.354093896	0.000951627	PDPN	AL359922.2
0.354019753	0.000954143	JAK3	ST3GAL5-AS1
0.353944404	0.000956707	PDPN	LINC00887
0.353832836	0.000960515	CX3CR1	C20orf197
0.353776761	0.000962434	JAK3	TAF1A-AS1
0.353646237	0.000966915	PDPN	AC079834.1
0.353549262	0.000970256	JAK3	LINC02649
0.353370289	0.000976449	JAK3	LINC01197
0.353297569	0.000978976	RAD17	AC106822.1
0.352865527	0.000994111	PDPN	MIR2117HG
0.352842297	0.000994931	TLR7	LINC01678
0.352800279	0.000996416	TLR7	AC022973.3
0.352681043	0.001000639	RAD17	AL161935.1

0.352610682	0.001003139	NOTCH3	AP001972.1
0.352231685	0.001016701	PDPN	AC009065.3
0.352144837	0.001019833	CX3CR1	RNF216P1
0.35212161	0.001020671	JAK3	LINC02285
0.352113518	0.001020964	TLR7	AC012065.2
0.351947785	0.00102697	CX3CR1	AL031005.1
0.351932672	0.001027519	ATG7	MACORIS
0.351886692	0.001029192	JAK3	AC011899.2
0.35186285	0.00103006	JAK3	AC011468.3
0.351842603	0.001030798	TLR7	C1orf195
0.351835662	0.001031051	JAK3	AC010424.2
0.351810791	0.001031958	MITF	SATB1-AS1
0.351751098	0.001034139	CX3CR1	AL137024.1
0.351713895	0.0010355	RAD17	AL589182.1
0.351429613	0.001045955	JAK3	FAM198B-AS1
0.351243811	0.00105284	JAK3	LINC01465
0.35122507	0.001053536	TLR7	AL162424.1
0.35121329	0.001053974	CX3CR1	LINC00997
0.351210998	0.00105406	JAK3	Z98200.1
0.35086118	0.001067148	CEBPA	LINC02518
0.350743821	0.001071571	NOTCH3	AC135983.2
0.350626982	0.001075992	TLR7	SLIT2-IT1
0.350565258	0.001078334	CX3CR1	PSMG3-AS1
0.350174657	0.001093262	MITF	WDR86-AS1
0.349944489	0.001102147	CEBPA	AC104794.5
0.349929696	0.00110272	PDPN	AC087222.1
0.349827731	0.001106679	ATG7	AC011899.2
0.349723568	0.001110736	ATG7	DOCK8-AS1
0.349177335	0.001132234	CEBPA	Z97353.2
0.349165692	0.001132696	RAD17	AC025754.2
0.349064082	0.001136738	ATG7	CFAP61-AS1
0.349043391	0.001137563	CEBPA	AC004223.4
0.348956119	0.001141047	TLR7	AC008494.3
0.348922211	0.001142403	TLR7	CH17-340M24.3
0.34877387	0.001148355	CEBPA	ARHGAP27P1-BPTFP1-KPNA2P3
0.348743027	0.001149595	JAK3	AC009812.1
0.348638716	0.001153801	TLR7	AC008972.2
0.348437524	0.001161952	MITF	AFAP1-AS1
0.348283892	0.001168212	MYC	LINC00960
0.348262787	0.001169074	TLR7	HOMER3-AS1
0.348242647	0.001169898	RAD17	AC010359.2
0.348223145	0.001170695	NOTCH3	AC009093.1
0.348180024	0.001172461	NOTCH3	AC018653.3
0.348121899	0.001174845	NOTCH3	AC093278.2
0.348064676	0.001177196	JAK3	AC007406.3
0.34778229	0.001188862	CEBPA	AL161935.1
0.347697105	0.001192402	TLR7	AC096992.2
0.34764101	0.001194738	PDPN	FARSA-AS1
0.347598485	0.001196512	CX3CR1	AC008669.1
0.34744394	0.001202978	CX3CR1	LINC01480
0.347423987	0.001203815	TLR7	AC004832.5
0.347344494	0.001207156	TLR7	AC096921.2
0.347322895	0.001208065	ATG7	LINC02084
0.347242823	0.001211441	RAD17	AC093157.1
0.347204082	0.001213077	PDPN	AC010913.1
0.347156439	0.001215092	MYC	TMEM75
0.347114262	0.001216878	CEBPA	AC131956.2
0.346949849	0.001223865	NOTCH3	AC006033.2

0.346692084	0.001234891	CEBPA	AC069549.1
0.346663967	0.001236099	MYC	AC234582.1
0.346657352	0.001236384	JAK3	AC147067.1
0.346654247	0.001236517	TLR7	AC006547.1
0.346502374	0.001243064	TLR7	HCP5
0.34643534	0.001245963	RAD17	AC007255.1
0.3462511	0.001253964	TLR7	FIGNL2-DT
0.346232684	0.001254766	RAD17	AL354824.2
0.346100497	0.001260539	JAK3	AP002807.1
0.346036815	0.001263328	NOTCH3	AC107294.3
0.346012848	0.001264379	TLR7	AC022915.3
0.345704262	0.001277986	CEBPA	AC073508.3
0.345685387	0.001278822	PDPN	AC131934.1
0.345570726	0.001283915	JAK3	NAV2-AS3
0.345462306	0.001288747	ATG7	AC097515.1
0.345428266	0.001290267	CX3CR1	LINC02285
0.345393521	0.001291821	JAK3	AC025165.4
0.345377868	0.001292522	JAK3	LINC01819
0.345348457	0.001293839	RAD17	AC008897.3
0.344878586	0.001315047	MITF	AC015819.1
0.344838062	0.001316891	CEBPA	AL353804.2
0.344757411	0.001320567	ATG7	AC026801.2
0.344658942	0.001325068	JAK3	LINC02610
0.344598508	0.001327838	JAK3	AC078850.1
0.344592239	0.001328125	JAK3	AL121894.2
0.344464976	0.001333976	MYC	AF131216.3
0.34444732	0.001334789	JAK3	AC005264.1
0.344401856	0.001336886	TLR7	AL589986.2
0.34417251	0.001347509	PDPN	AC027117.1
0.344120284	0.001349939	JAK3	AC008655.2
0.344085883	0.001351541	RAD17	AC009093.6
0.343943932	0.001358172	TRIM21	AC121761.2
0.343928255	0.001358906	ATG7	LINC02518
0.343878032	0.001361261	CEBPA	AC107952.2
0.34365388	0.001371813	ATG7	CU104787.1
0.343519643	0.001378168	MITF	AC011377.1
0.343519117	0.001378193	ATG7	LINC02806
0.343469758	0.001380537	TLR7	AL031733.2
0.343375232	0.001385035	PDPN	AATBC
0.343366846	0.001385434	MITF	FAM198B-AS1
0.343285019	0.00138934	CX3CR1	AC060766.4
0.343154229	0.001395603	JAK3	AC012368.1
0.343044594	0.001400873	JAK3	IL10RB-DT
0.343019135	0.001402099	MITF	LINC01094
0.34287785	0.001408922	CEBPA	AC005498.1
0.342847307	0.001410401	JAK3	LINC00506
0.342795359	0.001412919	JAK3	RBMS3-AS3
0.342700355	0.001417536	PDPN	AC114271.1
0.342672492	0.001418893	TRIM21	MAGEA10-MAGEA5
0.342655112	0.001419739	JAK3	AC003070.1
0.342636432	0.00142065	NOTCH3	AC135178.2
0.342433646	0.001430569	RAD17	TMEM161B-AS1
0.342335866	0.001435375	JAK3	AC026369.2
0.342195988	0.001442275	TLR7	AL158206.1
0.342122272	0.001445923	TLR7	AC008763.1
0.342114855	0.00144629	MITF	AC005041.3
0.34197241	0.001453365	TLR7	AC091979.1
0.341949369	0.001454512	MYC	AC011676.1

0.341936975	0.00145513	RAD17	AL160290.1
0.341909681	0.001456491	CX3CR1	LINC01142
0.341770406	0.001463452	ATG7	KCNH1-IT1
0.341743475	0.001464801	TLR7	AC087672.2
0.341439708	0.001480101	MITF	ZBED3-AS1
0.341434435	0.001480368	CEBPA	AC022306.3
0.341431135	0.001480535	CX3CR1	AL731567.1
0.341430589	0.001480563	CEBPA	AC004466.1
0.341384146	0.001482916	PDPN	AC245884.8
0.341346125	0.001484844	ATG7	AL135791.1
0.341313805	0.001486485	TLR7	AC079793.1
0.341197511	0.001492404	PDPN	AC010998.3
0.341089561	0.001497917	MITF	AL391261.2
0.340953731	0.00150488	MYC	PRKAG2-AS1
0.340862489	0.001509573	TLR7	AC004847.1
0.340855937	0.001509911	JAK3	AC116667.1
0.340749822	0.001515388	TLR7	LINC00398
0.340646334	0.001520746	TRIM21	AC237221.1
0.340546163	0.001525949	RAD17	AP001178.3
0.340447891	0.001531069	TLR7	AP001189.3
0.340212199	0.001543411	JAK3	AL512306.2
0.340021835	0.001553446	PDPN	AC104137.1
0.339828074	0.00156372	CEBPA	AC084871.1
0.339818851	0.00156421	MITF	AC124248.1
0.339808556	0.001564758	RAD17	LINC02755
0.33954026	0.001579094	CEBPA	AC010185.1
0.339491114	0.001581733	TLR7	AC005899.7
0.33937774	0.001587836	MITF	AL161785.1
0.339227588	0.001595951	JAK3	AC008105.3
0.339215746	0.001596593	JAK3	THCAT158
0.339187089	0.001598147	ATG7	LINC00957
0.339131315	0.001601174	MITF	LINC00622
0.339115028	0.001602059	CX3CR1	KIF9-AS1
0.338910291	0.001613224	RAD17	LINC02637
0.338811193	0.001618653	CX3CR1	LRRC3-DT
0.338807496	0.001618856	JAK3	AC099518.1
0.338783095	0.001620195	CX3CR1	AC107982.3
0.338738338	0.001622655	CEBPA	AC012467.2
0.338713107	0.001624043	NOTCH3	AP001542.3
0.338664694	0.001626709	RAD17	AC243919.2
0.338611776	0.001629628	TLR7	TRG-AS1
0.338542695	0.001633445	RAD17	Z82243.1
0.338456991	0.001638193	TLR7	AL158166.1
0.338347242	0.00164429	JAK3	AC006967.3
0.338341958	0.001644584	TLR7	LINC02785
0.338328483	0.001645335	PDPN	RERG-IT1
0.338086768	0.001658844	ATG7	AL133467.4
0.338037866	0.001661589	NOTCH3	AC008742.1
0.338019399	0.001662627	JAK3	AC017083.1
0.338003069	0.001663545	CEBPA	AC010538.1
0.337889419	0.001669948	RAD17	AC009126.1
0.337754224	0.001677594	RAD17	AC096711.1
0.337739287	0.00167844	JAK3	AC002091.2
0.337648923	0.00168357	CX3CR1	AL356417.2
0.33762653	0.001684844	PDPN	AL359771.1
0.33761513	0.001685493	JAK3	AC009962.1
0.337610529	0.001685754	JAK3	AP001107.3
0.33760448	0.001686099	ATG7	AC005586.1

0.337575247	0.001687764	PDPN	AL139393.1
0.337526641	0.001690535	ATG7	AC138207.5
0.337506391	0.001691691	JAK3	LINC02542
0.33737477	0.001699222	JAK3	AC008074.2
0.337327964	0.001701907	TLR7	GRPEL2-AS1
0.337266652	0.00170543	ATG7	AC136475.7
0.337240744	0.001706921	ATG7	AC016710.1
0.337231318	0.001707463	PDPN	AF131215.5
0.337212775	0.001708531	JAK3	AC109587.1
0.337199354	0.001709305	CEBPA	AL122010.1
0.337057606	0.001717492	TLR7	AC006213.1
0.336882889	0.001727632	JAK3	AC138207.1
0.336872598	0.001728231	JAK3	AC010247.2
0.336823028	0.001731119	TLR7	AC008669.1
0.336728495	0.001736638	MITF	C20orf197
0.336702565	0.001738155	CEBPA	AC006033.2
0.336614899	0.001743291	TLR7	PRICKLE2-DT
0.336556688	0.001746709	ATG7	AC002091.1
0.336515755	0.001749116	JAK3	AC010132.4
0.336269393	0.001763668	TLR7	AC007879.3
0.33626446	0.00176396	RAD17	AP001033.1
0.336259353	0.001764263	NOTCH3	AL161785.1
0.335988359	0.001780401	ATG7	KLHDC7B-DT
0.335921611	0.001784396	NOTCH3	LINC01283
0.33590091	0.001785637	CX3CR1	LINC01907
0.335805444	0.001791368	ATG7	AC010894.1
0.335803677	0.001791475	TLR7	LINC02172
0.335782727	0.001792735	JAK3	LINC01506
0.335634508	0.001801673	PDPN	AC244090.2
0.335430894	0.001814017	CEBPA	PELATON
0.335407249	0.001815455	TLR7	CARMN
0.335394645	0.001816222	JAK3	AL132765.2
0.33521877	0.001826958	JAK3	AC023590.1
0.335120916	0.001832955	TLR7	AL157832.1
0.33511193	0.001833507	JAK3	TSPEAR-AS1
0.335100369	0.001834217	PDPN	AC055855.2
0.335096018	0.001834484	RAD17	AL359644.1
0.335031379	0.001838459	TLR7	BCL2L1-AS1
0.335024199	0.001838901	CEBPA	AC100830.1
0.335017466	0.001839316	TLR7	AC025857.2
0.334891723	0.001847073	NOTCH3	AC004264.1
0.334793471	0.001853155	CEBPA	AC027117.1
0.334752741	0.001855682	JAK3	AC010643.1
0.334595163	0.001865486	CEBPA	AC079793.1
0.334484514	0.001872398	TLR7	AC010132.4
0.334456024	0.001874181	JAK3	AC131956.2
0.334440321	0.001875165	TLR7	IL10RB-DT
0.334427198	0.001875987	CX3CR1	AC092431.1
0.334401515	0.001877598	CEBPA	AC026691.1
0.334242886	0.001887572	ATG7	AC005041.3
0.334183803	0.0018913	JAK3	AL049838.1
0.334029355	0.001901075	MITF	AC012065.2
0.334005407	0.001902595	TRIM21	AC002091.1
0.333932451	0.001907231	CEBPA	TRPM2-AS
0.333895276	0.001909597	PDPN	AL118505.1
0.333704578	0.001921779	TLR7	AC243772.2
0.333691976	0.001922586	MITF	KLHDC7B-DT
0.333596574	0.001928708	RAD17	AC026691.1

0.333547639	0.001931856	JAK3	AFAP1-AS1
0.333481858	0.001936094	PDPN	LINC00242
0.333446428	0.00193838	MITF	AC116666.1
0.33343458	0.001939145	JAK3	GAPLINC
0.333401087	0.001941309	CX3CR1	AC000067.1
0.333240523	0.001951714	ATG7	ST3GAL5-AS1
0.333211834	0.001953578	TLR7	PELATON
0.333055454	0.001963769	JAK3	AC107464.2
0.332931707	0.001971867	MITF	AC007376.2
0.332876133	0.001975513	JAK3	AC008937.2
0.332783144	0.001981629	MITF	LINC02041
0.332763619	0.001982915	TRIM21	AC007391.1
0.332744019	0.001984207	TLR7	LINC02685
0.332622906	0.001992206	MITF	AC093484.1
0.332592507	0.001994219	MYC	AC079089.1
0.332428875	0.002005083	MYC	VPS9D1-AS1
0.332335858	0.002011282	CX3CR1	AL162424.1
0.332286157	0.002014602	JAK3	AL136298.1
0.332199174	0.002020423	JAK3	AC005037.1
0.332160557	0.002023013	ATG7	PCED1B-AS1
0.332132393	0.002024903	TLR7	LINC01747
0.332123044	0.002025531	TRIM21	AC010280.2
0.332070775	0.002029044	JAK3	AC147067.2
0.331966508	0.002036069	JAK3	SCAT2
0.331963105	0.002036299	TLR7	AL122010.1
0.331820936	0.002045914	JAK3	PRSS30P
0.331809507	0.002046689	PDPN	LINC02761
0.331711366	0.002053353	TRIM21	AL359962.1
0.33167961	0.002055513	JAK3	AC012181.1
0.331664448	0.002056545	JAK3	A2M-AS1
0.331664045	0.002056573	TRIM21	U62317.3
0.33160494	0.002060601	MITF	AC010132.4
0.331464139	0.002070225	JAK3	LINC02137
0.331429496	0.0020726	TLR7	AC136475.9
0.331419777	0.002073266	JAK3	AC061992.2
0.331380705	0.002075948	MITF	AC092484.1
0.331331703	0.002079315	RAD17	AL031123.2
0.331326918	0.002079644	CEBPA	AC055822.1
0.331294497	0.002081875	CEBPA	AC005899.6
0.331269968	0.002083565	ATG7	AC244517.7
0.331247227	0.002085132	RAD17	AC013356.2
0.331245832	0.002085228	CX3CR1	AC078788.1
0.331215507	0.00208732	PDPN	AL035416.1
0.331205419	0.002088016	TLR7	MROCKI
0.331158456	0.00209126	PDPN	AC108136.1
0.331094141	0.00209571	JAK3	AC079015.1
0.331076756	0.002096915	CX3CR1	AP001189.3
0.330980996	0.00210356	JAK3	AL139288.1
0.330975001	0.002103976	JAK3	AC244034.2
0.330960626	0.002104976	PDPN	AP001471.1
0.330878808	0.002110672	MITF	AC083809.1
0.330862923	0.002111779	RAD17	AC009812.4
0.330677251	0.002124763	JAK3	AC092119.2
0.330662172	0.002125821	TRIM21	LINC01871
0.330641773	0.002127252	TLR7	AC036108.3
0.33037355	0.002146156	PDPN	LINC00327
0.330368488	0.002146514	JAK3	AC012181.2
0.330355019	0.002147467	PDPN	AC144831.1

0.330237298	0.002155816	PDPN	AC124283.3
0.330185298	0.002159513	CEBPA	KIF1C-AS1
0.330020907	0.002171239	MITF	AC026369.2
0.329990331	0.002173426	ATG7	WDR86-AS1
0.329938983	0.002177103	RAD17	MAGEA10-MAGEA5
0.329824988	0.002185288	NOTCH3	LINC00626
0.329752443	0.002190511	TLR7	MYOSLID
0.329730633	0.002192083	JAK3	AC100830.1
0.329692883	0.002194807	CEBPA	AC135178.2
0.329684252	0.00219543	RAD17	AC024257.4
0.329662595	0.002196995	JAK3	AC079612.1
0.329597675	0.002201691	TLR7	AC084871.1
0.329577094	0.002203181	RAD17	SBF2-AS1
0.329491491	0.002209391	JAK3	SAMMSON
0.329418415	0.002214704	TLR7	AC136424.1
0.329382747	0.002217302	TLR7	POU6F2-AS2
0.329381743	0.002217375	TLR7	AC008514.1
0.329377134	0.002217711	TLR7	AC005342.2
0.329340616	0.002220373	RAD17	AC004832.4
0.32924119	0.002227637	TLR7	AC100830.1
0.329171113	0.00223277	NOTCH3	PRICKLE2-DT
0.329134815	0.002235433	CEBPA	LINC00877
0.329009331	0.002244661	JAK3	LINC01234
0.329008449	0.002244726	RAD17	AC104118.1
0.328989865	0.002246095	JAK3	AC138207.4
0.328957683	0.002248469	MITF	AC124067.2
0.328954886	0.002248675	RAD17	AC004223.4
0.32890156	0.002252613	JAK3	LINC00398
0.328863239	0.002255447	PDPN	LINC01929
0.328794031	0.002260573	TLR7	LINC01943
0.328675577	0.002269371	TLR7	AC024909.1
0.328645414	0.002271616	PDPN	AL442125.2
0.328608491	0.002274367	CEBPA	AP001574.1
0.32853592	0.002279783	JAK3	AC092118.2
0.328484075	0.002283659	PDPN	AL162412.1
0.328441415	0.002286853	PDPN	LINC01237
0.328409287	0.002289261	TLR7	AC012467.2
0.32838405	0.002291154	JAK3	AC079210.1
0.328368588	0.002292314	CEBPA	AC121761.2
0.328338564	0.00229457	MITF	AC108134.3
0.328270863	0.002299662	CEBPA	AC011450.1
0.328199568	0.002305036	MITF	ZBTB46-AS1
0.328172104	0.002307109	MITF	AC011899.2
0.32815549	0.002308364	JAK3	AL606534.1
0.328089099	0.002313384	MITF	AC104232.1
0.328086794	0.002313559	PDPN	AL365356.1
0.327975742	0.002321979	MITF	AC079210.1
0.327899725	0.002327759	RAD17	AC036108.3
0.327780036	0.002336886	RAD17	AP006219.1
0.327746194	0.002339472	JAK3	AC022034.1
0.32767698	0.00234477	MITF	LINC01637
0.327407107	0.00236553	MITF	LINC00957
0.32738739	0.002367053	PDPN	AC022001.3
0.327323725	0.002371977	ATG7	AC254633.1
0.327273855	0.002375841	PDPN	AL139397.1
0.327258553	0.002377028	JAK3	MIR503HG
0.327157377	0.002384887	JAK3	AC020658.5
0.327097659	0.002389537	RAD17	SYNPR-AS1



0.327027342	0.002395023	JAK3	AC026691.1
0.327022375	0.00239541	MITF	AC138207.5
0.326934564	0.002402278	RAD17	TAF1A-AS1
0.326811105	0.002411963	NOTCH3	AC000067.1
0.326754932	0.002416381	JAK3	AC073475.1
0.326672721	0.00242286	ATG7	CCND2-AS1
0.32663672	0.002425703	TLR7	AC016292.1
0.326601288	0.002428503	CEBPA	USP30-AS1
0.326352922	0.002448214	MITF	AF279873.3
0.326327439	0.002450244	CX3CR1	AL008718.2
0.326324321	0.002450493	JAK3	LINC02705
0.326306199	0.002451938	MYC	RNF207-AS1
0.326235965	0.002457545	PDPN	AL117339.3
0.326182988	0.002461782	MITF	LINC01882
0.326173332	0.002462555	ATG7	AC006206.2
0.326132413	0.002465834	CX3CR1	CARD8-AS1
0.326104344	0.002468085	JAK3	AC002070.1
0.32605185	0.0024723	CEBPA	GAS6-DT
0.325992751	0.002477053	TLR7	AL133355.1
0.325895025	0.00248493	ATG7	AC116666.1
0.325890386	0.002485304	JAK3	OVAAL
0.325842754	0.002489153	JAK3	AC027801.1
0.325790464	0.002493383	TLR7	AC008840.1
0.325650151	0.002504767	CEBPA	FIGNL2-DT
0.325459875	0.00252028	JAK3	AC005479.2
0.325424226	0.002523196	TRIM21	AC011731.1
0.325382201	0.002526637	NOTCH3	SERTAD4-AS1
0.325343107	0.002529842	TLR7	CEBPA-DT
0.325322295	0.00253155	ATG7	AL390198.1
0.325184828	0.002542856	JAK3	LINC01353
0.325175706	0.002543607	TLR7	AC147067.2
0.325152132	0.002545551	PDPN	AC079089.1
0.325118714	0.002548309	TLR7	LINC00920
0.32511213	0.002548853	JAK3	AC011468.5
0.325112005	0.002548863	ATG7	FAM198B-AS1
0.32504784	0.002554167	TLR7	AC068580.3
0.325036534	0.002555103	CX3CR1	AL109924.1
0.325022227	0.002556287	MITF	AC007731.2
0.324998969	0.002558213	CX3CR1	SLIT2-IT1
0.324997469	0.002558338	MITF	AL161421.1
0.324796622	0.002575028	NOTCH3	AC092368.3
0.324762353	0.002577886	JAK3	AC010175.1
0.324725214	0.002580986	TLR7	AL133481.1
0.324709821	0.002582272	MITF	AP005482.1
0.324624884	0.002589378	CEBPA	AL023284.4
0.324286831	0.002617832	CEBPA	AC107294.3
0.32418887	0.00262613	CEBPA	AL357033.4
0.32412318	0.002631708	JAK3	AL390198.1
0.324118275	0.002632125	RAD17	ADIRF-AS1
0.323982705	0.002643671	RAD17	AL354824.1
0.323978427	0.002644036	CEBPA	AC135983.2
0.32396771	0.002644951	RAD17	AC237221.1
0.323966407	0.002645062	RAD17	AC109347.1
0.323792074	0.002659984	RAD17	AC008750.1
0.32366047	0.002671298	JAK3	AL138720.1
0.323643764	0.002672737	CEBPA	LINC00663
0.3236017	0.002676364	JAK3	LINC02642
0.323584949	0.00267781	JAK3	AL589765.4

0.323527081	0.002682809	MITF	AL109659.2
0.323409253	0.002693015	CEBPA	AL049838.1
0.323403418	0.002693521	TLR7	AL136368.1
0.323352081	0.00269798	JAK3	AC006213.1
0.323350444	0.002698122	JAK3	LINC00865
0.323290209	0.002703361	TLR7	AC087273.2
0.323272425	0.00270491	CX3CR1	CCR5AS
0.323257229	0.002706234	NOTCH3	AC100803.3
0.323248648	0.002706982	TRIM21	LINC02285
0.323220289	0.002709455	CX3CR1	AC002091.1
0.323184562	0.002712573	PDPN	AC005224.2
0.323159712	0.002714744	ATG7	AC022007.1
0.323134923	0.002716911	PDPN	AP003071.4
0.323104887	0.002719539	CX3CR1	LINC00900
0.323082211	0.002721524	PDPN	AC099560.1
0.322986294	0.002729937	JAK3	KCNK15-AS1
0.322950739	0.002733061	JAK3	LINC01361
0.322933541	0.002734574	JAK3	AC008494.3
0.322929856	0.002734898	TLR7	AP001094.2
0.322868256	0.002740322	TLR7	AP003548.1
0.32277126	0.002748882	ATG7	AC123768.2
0.322753649	0.002750439	NOTCH3	AL365434.2
0.322732841	0.002752279	JAK3	AL353622.1
0.322710498	0.002754256	TLR7	AC099524.1
0.322654703	0.0027592	CX3CR1	AC134775.1
0.3226494	0.00275967	TLR7	AC005632.3
0.322606778	0.002763452	JAK3	AC121338.2
0.322591439	0.002764815	PDPN	AL358334.3
0.322530514	0.002770232	CEBPA	AC021491.4
0.322319658	0.002789053	TLR7	LINC01013
0.32231796	0.002789205	MITF	AC002091.1
0.322209068	0.00279897	JAK3	AC008514.1
0.322205685	0.002799274	JAK3	AC046168.1
0.322187178	0.002800937	RAD17	AC012254.1
0.322143642	0.002804852	TLR7	AL135905.1
0.3221357	0.002805566	JAK3	PDE2A-AS2
0.322065237	0.002811915	PDPN	AC025871.2
0.32190751	0.002826173	JAK3	LINC00877
0.321820312	0.002834083	JAK3	AL049649.1
0.321794508	0.002836427	ATG7	SBF2-AS1
0.321789383	0.002836893	CEBPA	AC243960.3
0.321734652	0.002841872	PDPN	AL117190.1
0.321683704	0.002846515	CX3CR1	AC145098.1
0.321541211	0.002859534	TLR7	AC009159.3
0.321516256	0.00286182	CEBPA	AC099811.3
0.321460392	0.002866942	TRIM21	U62317.1
0.321413385	0.002871259	MYC	LINC00863
0.321314882	0.002880323	PDPN	AL353593.2
0.321097294	0.002900437	MITF	LINC01282
0.321050666	0.002904764	PDPN	AC011239.1
0.320904516	0.002918363	PDPN	AC104462.1
0.320824869	0.002925798	TLR7	AC009318.4
0.32081081	0.002927112	CX3CR1	AC008840.1
0.32080298	0.002927844	JAK3	ZNF516-DT
0.32077793	0.002930188	MITF	AC010280.2
0.320696166	0.002937848	RAD17	AC010973.2
0.320695016	0.002937956	CX3CR1	LINC00622
0.320603871	0.002946517	ATG7	CCR5AS

0.32058659	0.002948142	JAK3	AP000345.2
0.320586242	0.002948175	PDPN	AP003071.1
0.320580488	0.002948717	CX3CR1	HDHD5-AS1
0.320559057	0.002950734	JAK3	RBM38-AS1
0.320358	0.002969722	ATG7	AC006305.1
0.320325246	0.002972825	MITF	AC124276.1
0.320217597	0.002983046	TLR7	MIR3945HG
0.320154301	0.002989071	TRIM21	PSMB8-AS1
0.320097196	0.002994515	MYC	SNHG16
0.320051433	0.002998884	JAK3	AL353150.1
0.319919812	0.003011484	JAK3	AC103760.1
0.319852815	0.003017915	PDPN	AC100797.1
0.319825263	0.003020563	JAK3	RASGRF2-AS1
0.319794848	0.003023489	TLR7	AC073475.1
0.319784927	0.003024444	TLR7	AL353804.2
0.319732056	0.003029538	RAD17	AC011468.3
0.319607565	0.003041562	TRIM21	PCED1B-AS1
0.319559579	0.003046209	CEBPA	LINC02285
0.3195485	0.003047282	PDPN	AP001970.1
0.319545242	0.003047598	MITF	AC034102.8
0.319458328	0.003056033	ATG7	AC083809.1
0.319456051	0.003056255	RAD17	AC104123.1
0.319401414	0.003061568	CEBPA	MROCKI
0.31930544	0.003070922	TRIM21	MROCKI
0.319296931	0.003071753	TLR7	AC009093.2
0.319296753	0.00307177	CEBPA	AC004832.5
0.319071907	0.00309379	JAK3	AC115989.1
0.318990484	0.003101798	CEBPA	AL031651.2
0.318931562	0.003107605	CEBPA	AC027271.1
0.318862003	0.003114473	MYC	SNHG15
0.318758698	0.003124698	JAK3	AL031663.3
0.318743735	0.003126182	RAD17	AC009309.2
0.318703237	0.0031302	JAK3	RRN3P2
0.318651558	0.003135334	TLR7	AC079336.3
0.318527709	0.00314767	JAK3	AC005165.1
0.318509256	0.003149511	PDPN	AC060780.1
0.318488557	0.003151578	CEBPA	U62317.1
0.318397834	0.003160652	CX3CR1	AC106886.2
0.318397433	0.003160692	CEBPA	TNFRSF14-AS1
0.318306765	0.003169784	RAD17	AF111167.2
0.318301565	0.003170306	TLR7	AC134775.1
0.318294572	0.003171008	TLR7	USP46-DT
0.318259683	0.003174514	PDPN	ZNF30-AS1
0.318232058	0.003177292	JAK3	AC099568.1
0.318165021	0.003184044	PDPN	AL139393.3
0.317910033	0.003209841	CX3CR1	C9orf139
0.317880467	0.003212844	JAK3	AC016737.1
0.317857213	0.003215208	RAD17	AC024901.1
0.317669835	0.003234313	TLR7	AC131956.2
0.317655099	0.003235819	RAD17	AC005041.3
0.317581827	0.003243321	CEBPA	MACORIS
0.317424478	0.003259482	CX3CR1	AC008556.1
0.317422094	0.003259727	TRIM21	AC010478.1
0.317371363	0.003264954	TLR7	AC069209.1
0.317355298	0.00326661	CEBPA	AC010132.4
0.317206397	0.003282	ATG7	AL122010.1
0.317009332	0.003302468	CX3CR1	AC091563.1
0.316888824	0.003315041	CEBPA	ALOX12-AS1

0.316806221	0.003323683	JAK3	LINC01123
0.316717123	0.003333028	JAK3	AL138899.1
0.316690408	0.003335835	JAK3	AC015961.2
0.316595014	0.003345873	MITF	LINC02616
0.316528188	0.003352922	TLR7	AL121748.1
0.316489361	0.003357023	MITF	LINC02137
0.316431545	0.003363138	RAD17	AC006305.1
0.316430456	0.003363254	PDPN	AL669970.2
0.316423079	0.003364035	CEBPA	SETBP1-DT
0.316344099	0.003372407	MYC	AL583810.3
0.316231186	0.003384408	JAK3	AC069120.1
0.316202861	0.003387425	TLR7	AC011731.1
0.31619431	0.003388336	CEBPA	AC079336.3
0.316165526	0.003391405	CX3CR1	AC010247.2
0.316049009	0.003403852	CX3CR1	MGC16275
0.315964263	0.003412932	JAK3	SAPCD1-AS1
0.315858482	0.003424294	MITF	AC004704.1
0.315810789	0.003429429	TRIM21	LINC01137
0.31565732	0.003445997	PDPN	GORAB-AS1
0.315655105	0.003446236	TLR7	AL133343.2
0.315654124	0.003446342	MITF	IL10RB-DT
0.315605957	0.003451557	PDPN	AC072022.1
0.315575144	0.003454897	CEBPA	AL391261.2
0.315520575	0.003460819	JAK3	AC083967.1
0.315449492	0.003468547	TLR7	NUP50-DT
0.315400465	0.003473886	CEBPA	CH17-340M24.3
0.315230009	0.003492505	RAD17	AP000915.1
0.315228342	0.003492687	TLR7	MED14OS
0.315217171	0.00349391	NOTCH3	AL049775.1
0.31518761	0.00349715	JAK3	AC100843.1
0.315167171	0.003499391	NOTCH3	AL358394.1
0.315116671	0.003504934	TLR7	AC008871.1
0.315097634	0.003507025	TLR7	AC007569.1
0.315072169	0.003509825	CEBPA	CEP250-AS1
0.315055042	0.003511709	ATG7	AC073115.2
0.314936314	0.003524794	CEBPA	PTPRN2-AS1
0.314873971	0.003531683	CEBPA	PDCD4-AS1
0.314671473	0.00355414	CEBPA	AC116667.1
0.314539849	0.003568805	CEBPA	PSMG3-AS1
0.31452005	0.003571016	MITF	AC004921.1
0.31443956	0.003580016	CX3CR1	AC243960.1
0.314383624	0.003586282	TLR7	AC093582.1
0.314287236	0.003597103	CEBPA	AC005479.1
0.314226416	0.003603946	PDPN	AC103853.2
0.314224387	0.003604174	TLR7	AC005498.3
0.314215786	0.003605143	JAK3	AC016292.1
0.314201267	0.003606779	PDPN	MIMT1
0.314172912	0.003609975	TLR7	AC016735.1
0.314095944	0.003618664	CEBPA	AC087741.1
0.314085306	0.003619867	RAD17	AL139339.2
0.314047329	0.003624163	JAK3	AC254633.1
0.313934534	0.003636948	RAD17	AL161668.3
0.313929177	0.003637556	ATG7	AL161785.1
0.31390416	0.003640397	JAK3	PSMB8-AS1
0.313822165	0.003649724	MYC	AC138956.1
0.313789019	0.003653501	JAK3	RNFT1-DT
0.313763746	0.003656383	CX3CR1	AP001596.1
0.313759638	0.003656851	PDPN	NARF-IT1

0.313614849	0.003673402	CEBPA	AC103691.2
0.313604585	0.003674578	CEBPA	AC020907.4
0.313569696	0.003678577	RAD17	AC121761.2
0.31356151	0.003679516	ATG7	GAPLINC
0.313531136	0.003683002	JAK3	HRAT92
0.313526713	0.00368351	RAD17	AC090425.3
0.313406012	0.003697392	TRIM21	AL121894.2
0.313405838	0.003697412	TLR7	AL606534.1
0.313240816	0.003716468	JAK3	AC006273.1
0.313162989	0.003725485	JAK3	AC011481.1
0.313154937	0.003726419	JAK3	VIM-AS1
0.313111269	0.003731488	MITF	PCED1B-AS1
0.313063816	0.003737004	JAK3	AC135050.6
0.31298331	0.003746378	TLR7	LINC00844
0.312982819	0.003746435	JAK3	AC021016.1
0.312980966	0.003746651	MITF	AL354919.2
0.312935287	0.00375198	JAK3	AC067945.2
0.312851893	0.003761725	ATG7	LINC02315
0.312796697	0.003768187	PDPN	ATP6V1B1-AS1
0.312726666	0.003776401	PDPN	LINC01229
0.31265546	0.003784769	JAK3	AL139352.1
0.312620386	0.003788897	JAK3	PLA2G4C-AS1
0.312475005	0.00380605	RAD17	AL592148.3
0.312393372	0.003815712	CEBPA	AC068987.3
0.312382801	0.003816965	PDPN	AC002306.1
0.312370564	0.003818415	TLR7	AC135983.2
0.312359178	0.003819765	CEBPA	LINC00671
0.31231873	0.003824565	JAK3	AL596087.3
0.312266123	0.003830816	CEBPA	LINC01871
0.312241757	0.003833715	TLR7	AC012511.1
0.312070716	0.003854115	JAK3	LINC02685
0.31196683	0.003866553	CX3CR1	AC004687.1
0.311908028	0.003873609	MITF	AC004988.1
0.311895674	0.003875093	JAK3	LINC02454
0.311895202	0.00387515	PDPN	AC021087.4
0.311836124	0.003882253	TLR7	USP30-AS1
0.311814085	0.003884906	TLR7	AC106886.2
0.311805645	0.003885922	JAK3	AC107952.2
0.311795545	0.003887138	NOTCH3	AC097634.1
0.311773514	0.003889793	MITF	AC136475.7
0.311739871	0.00389385	ATG7	AC010247.2
0.311646418	0.00390514	ATG7	AF131215.7
0.311625885	0.003907625	JAK3	AC104794.5
0.311598165	0.003910981	RAD17	LINC01361
0.31157234	0.00391411	NOTCH3	AC009093.2
0.311518893	0.003920594	ATG7	AL354993.2
0.311334079	0.003943085	ATG7	NUP50-DT
0.311279266	0.003949778	RAD17	AL135791.1
0.311254291	0.003952831	RAD17	AC004466.1
0.311253137	0.003952972	TLR7	NDST1-AS1
0.311219825	0.003957048	ATG7	LINC01150
0.31115656	0.003964798	RAD17	GHET1
0.311128193	0.003968277	TLR7	AC034102.8
0.311055787	0.003977171	RAD17	AC004832.5
0.311008515	0.003982987	PDPN	AL513534.2
0.310983123	0.003986114	CEBPA	AC147067.2
0.310923349	0.003993484	TLR7	WAKMAR2
0.310806022	0.004007986	JAK3	AC060766.4

0.310802759	0.00400839	TLR7	AL157392.4
0.310664223	0.004025575	PDPN	AC027117.2
0.310657825	0.00402637	JAK3	AL162426.1
0.310642995	0.004028214	RAD17	AC025175.1
0.310639281	0.004028676	CX3CR1	LINC02518
0.310611392	0.004032145	CEBPA	H19
0.310610334	0.004032277	PDPN	AL008718.3
0.310582372	0.004035759	CX3CR1	AL358072.1
0.310525016	0.004042909	NOTCH3	FIGNL2-DT
0.310515122	0.004044143	ATG7	AL135878.1
0.310451854	0.004052046	TRIM21	CCR5AS
0.310432982	0.004054406	ATG7	AL161421.1
0.310429144	0.004054886	CEBPA	AC093726.1
0.310399465	0.0040586	MITF	LINC01605
0.310231766	0.004079643	ATG7	ZBTB46-AS1
0.310176021	0.004086659	TLR7	AC026691.1
0.31014192	0.004090956	ATG7	HCG17
0.3101067	0.004095399	PDPN	AC084782.2
0.309983648	0.004110955	CEBPA	LINC00920
0.309900106	0.004121546	MYC	FAM222A-AS1
0.309885431	0.004123409	ATG7	AC007128.2
0.309856359	0.004127101	TLR7	AC103809.1
0.309852025	0.004127652	CEBPA	AC127024.5
0.309758172	0.004139595	RAD17	AC023310.4
0.309710276	0.004145702	ATG7	AP001033.1
0.309640122	0.004154661	PDPN	AC011477.2
0.3096347	0.004155354	MITF	AC068580.1
0.309623007	0.004156849	JAK3	AC019080.5
0.309576254	0.004162832	TLR7	LINC00528
0.309536709	0.004167899	CX3CR1	AC011477.1
0.309447029	0.004179409	CEBPA	AC007406.3
0.309385665	0.004187301	RAD17	AC008464.1
0.309356434	0.004191065	JAK3	AC097535.1
0.309302985	0.004197956	CEBPA	HOMER3-AS1
0.309272012	0.004201953	MYC	AC012313.9
0.309269362	0.004202295	PDPN	TRHDE-AS1
0.309222818	0.004208309	CX3CR1	TNRC6C-AS1
0.309219219	0.004208775	TLR7	ST3GAL5-AS1
0.309155019	0.004217084	MITF	Z98200.1
0.309114364	0.004222353	PDPN	AL008718.2
0.309044242	0.004231455	JAK3	AC004816.2
0.309040526	0.004231938	ATG7	LINC00398
0.309035597	0.004232579	RAD17	AC011346.1
0.309021784	0.004234374	CEBPA	LINC01503
0.308968191	0.004241347	JAK3	AC116651.1
0.308944979	0.00424437	JAK3	LINC00923
0.308903443	0.004249784	JAK3	AL355922.1
0.308843407	0.004257621	ATG7	AL122023.1
0.308763599	0.004268059	TLR7	LINC00310
0.308755954	0.00426906	TLR7	AL023653.1
0.308702055	0.004276124	TLR7	AL137024.1
0.308687663	0.004278012	CEBPA	LINC00997
0.308686123	0.004278214	JAK3	AL035404.2
0.308662291	0.004281341	RAD17	AC068875.1
0.308559915	0.004294801	ATG7	AC018647.2
0.308520979	0.00429993	MITF	AC104695.2
0.308501839	0.004302454	PDPN	LINC01894
0.308490604	0.004303935	JAK3	ADAMTS9-AS1

0.308485218	0.004304646	CX3CR1	AC006213.1
0.308432756	0.004311572	RAD17	Z83847.1
0.308422881	0.004312877	RAD17	LINC02806
0.308386375	0.004317704	TLR7	AC005899.6
0.308343416	0.00432339	CEBPA	AL136295.7
0.308228309	0.004338658	CEBPA	AC002128.1
0.308210232	0.00434106	TLR7	AC068987.3
0.308163322	0.0043473	RAD17	AC008840.1
0.308140248	0.004350371	TLR7	AC004832.4
0.308129902	0.004351749	CEBPA	LINC02716
0.308107807	0.004354694	RAD17	ST3GAL5-AS1
0.308100886	0.004355616	TLR7	LINC01684
0.308052306	0.004362097	CEBPA	AC022858.1
0.308010939	0.004367622	TRIM21	AL161935.1
0.307978398	0.004371973	PDPN	AL136987.1
0.307935303	0.004377741	TRIM21	MGC16275
0.307913124	0.004380712	CX3CR1	LINC00310
0.307882179	0.00438486	JAK3	LINC02812
0.307858207	0.004388076	MITF	AC024909.1
0.307811472	0.004394352	TLR7	LINC00506
0.307766944	0.004400339	TLR7	AC002059.1
0.30775462	0.004401997	CX3CR1	AL160006.1
0.307746433	0.004403099	CEBPA	AC100793.2
0.307735551	0.004404564	NOTCH3	VCAN-AS1
0.307734365	0.004404724	TLR7	MKLN1-AS
0.307693129	0.00441028	MITF	AL133467.4
0.307671279	0.004413226	MITF	AL359532.1
0.307600403	0.004422795	RAD17	LINC00652
0.307514023	0.004434483	PDPN	AL445309.1
0.307506714	0.004435473	TLR7	AC008750.1
0.307496039	0.00443692	CEBPA	LINC00472
0.307463291	0.00444136	CX3CR1	DOCK8-AS1
0.307441515	0.004444315	JAK3	AP000662.1
0.30718448	0.004479324	TLR7	AL391834.1
0.307122936	0.004487742	ATG7	LINC02616
0.307020221	0.004501825	ATG7	AL078587.1
0.307002381	0.004504274	JAK3	AL731567.1
0.306987481	0.004506321	MITF	AC009159.3
0.306970699	0.004508628	CX3CR1	AP002954.1
0.306961769	0.004509856	TRIM21	AC010894.1
0.306955642	0.004510698	JAK3	AC087273.2
0.306939966	0.004512855	ATG7	AC138207.4
0.306838553	0.004526827	CEBPA	AL139349.1
0.306807539	0.004531108	CEBPA	AL133355.1
0.306802335	0.004531827	RAD17	AC011377.1
0.306798523	0.004532353	CX3CR1	AP001574.1
0.306742876	0.004540045	ATG7	Z82243.1
0.306661808	0.004551271	ATG7	AC005165.1
0.306586341	0.004561743	TLR7	AC068580.1
0.306493015	0.004574724	PDPN	AC128685.1
0.306386276	0.00458961	CX3CR1	AL133371.2
0.306217189	0.00461328	CEBPA	RNF216P1
0.306207888	0.004614585	NOTCH3	LINC01142
0.306193951	0.004616542	JAK3	LINC00543
0.306185639	0.004617709	PDPN	AC078788.1
0.30615799	0.004621593	CEBPA	AC104758.1
0.306118316	0.004627171	JAK3	AC068580.3
0.306083232	0.00463211	PDPN	TBILA

0.306030293	0.00463957	ATG7	LINC01426
0.30600983	0.004642456	PDPN	LINC01293
0.306006946	0.004642863	JAK3	AC027020.2
0.305992717	0.004644871	JAK3	AC084876.1
0.305901176	0.004657809	JAK3	AC064875.1
0.305878132	0.004661071	TLR7	AL583785.1
0.305874491	0.004661587	ATG7	HOMER3-AS1
0.305853602	0.004664546	TLR7	AC099811.3
0.305703206	0.004685899	JAK3	AL450384.2
0.305654131	0.004692885	JAK3	AL391832.2
0.305597114	0.004701014	MITF	AC008937.2
0.305592623	0.004701655	CEBPA	AC027763.2
0.305505878	0.004714047	PDPN	FAF1-AS1
0.305488621	0.004716516	CEBPA	AL391244.1
0.305484258	0.00471714	RAD17	AL139286.1
0.305472077	0.004718884	RAD17	AC087612.1
0.305440062	0.004723469	ATG7	AL133467.2
0.305408158	0.004728042	NOTCH3	LINC01237
0.305394219	0.004730042	ATG7	AC092354.2
0.305393964	0.004730078	CEBPA	ZBTB46-AS1
0.305301938	0.004743296	TLR7	LINC02084
0.305202168	0.004757664	JAK3	AC012065.2
0.305153461	0.004764693	PDPN	SMILR
0.305142239	0.004766313	CX3CR1	LINC02611
0.305014128	0.004784849	CX3CR1	AC022915.3
0.305012327	0.00478511	CEBPA	LINC01465
0.304931328	0.004796863	TLR7	AC022034.1
0.304920254	0.004798472	TLR7	NAV2-AS3
0.304877931	0.004804625	ATG7	AL358072.1
0.304877643	0.004804666	JAK3	AL117335.1
0.304837424	0.00481052	PDPN	IL12A-AS1
0.30482545	0.004812264	TRIM21	AL031775.1
0.30482545	0.004812264	ATG7	AC009812.4
0.304815817	0.004813668	MITF	AP001972.1
0.304724976	0.00482692	ATG7	AC074237.1
0.304711929	0.004828826	JAK3	LINC02084
0.304665608	0.004835599	TLR7	Z82188.2
0.304485168	0.004862061	MITF	MIR22HG
0.304420087	0.004871637	MITF	AC093791.1
0.304392952	0.004875634	CX3CR1	AC096992.2
0.304389207	0.004876186	TLR7	AL121987.2
0.304327797	0.004885245	JAK3	AF131215.6
0.304281786	0.004892042	CEBPA	AC084876.1
0.30420693	0.004903118	TLR7	AC022306.3
0.304184511	0.004906439	JAK3	AC145285.2
0.304180546	0.004907027	TLR7	LINC01963
0.30414994	0.004911565	CX3CR1	AC100814.1
0.304118657	0.004916207	RAD17	AL133396.1
0.30403669	0.00492839	PDPN	AL138767.3
0.303964985	0.004939069	CEBPA	AC106706.1
0.303959563	0.004939877	ATG7	AC008750.1
0.303832553	0.004958846	CEBPA	AC003070.1
0.303823489	0.004960202	ATG7	AP000894.4
0.303771904	0.004967927	CEBPA	AC005920.2
0.303771322	0.004968014	CX3CR1	LINC01505
0.303764405	0.004969051	JAK3	AL390955.2
0.303708654	0.004977413	PDPN	AC130371.2
0.303703072	0.004978251	RAD17	LINC01944



0.303687888	0.004980531	JAK3	AC073288.2
0.303643591	0.004987187	CEBPA	AL365205.4
0.303637781	0.004988061	JAK3	SLC12A5-AS1
0.303520895	0.005005666	MITF	AC097639.1
0.303518272	0.005006062	MITF	LINC02356
0.3034945	0.00500965	RAD17	AC136604.2
0.303485912	0.005010946	PDPN	MIR155HG
0.303441558	0.005017648	RAD17	AC104461.1
0.30328956	0.005040673	TLR7	AC011472.4
0.303258273	0.005045424	RAD17	AL359532.1
0.30325756	0.005045533	MITF	AC091435.2
0.303256664	0.005045669	NOTCH3	AL049649.1
0.303250973	0.005046533	ATG7	HEXA-AS1
0.303208562	0.005052982	TLR7	TNFRSF14-AS1
0.30317544	0.005058022	TRIM21	USP30-AS1
0.30317237	0.00505849	JAK3	AC022706.1
0.30312848	0.005065177	NOTCH3	AC138207.5
0.303109026	0.005068143	PDPN	CASC18
0.303081874	0.005072286	ATG7	AC006033.2
0.30303433	0.005079548	RAD17	AL132712.1
0.302961265	0.005090725	CX3CR1	LINC01637
0.302947148	0.005092887	CEBPA	LINC01220
0.302924434	0.005096368	RAD17	AC234917.1
0.302890373	0.005101591	MITF	AC090192.2
0.302863041	0.005105786	CEBPA	AL136368.1
0.302835105	0.005110077	CX3CR1	AC034102.8
0.302833943	0.005110255	TLR7	AC147067.1
0.302766411	0.005120641	JAK3	AC078845.1
0.302643318	0.00513962	JAK3	AC116407.2
0.302573293	0.005150444	PDPN	AC011461.1
0.30256457	0.005151794	JAK3	AC048341.1
0.302549255	0.005154164	MITF	AL596087.3
0.302518243	0.005158968	JAK3	AC074237.1
0.30241023	0.005175728	CEBPA	AL160006.1
0.302381038	0.005180266	CX3CR1	AL133355.1
0.302285482	0.005195146	CEBPA	AP005482.1
0.302253641	0.005200112	PDPN	AC083806.2
0.302227982	0.005204117	TLR7	LINC02878
0.302227967	0.00520412	MITF	AL022316.1
0.302210208	0.005206894	RAD17	AL365259.1
0.302197023	0.005208954	NOTCH3	PKD1P6-NPIPP1
0.302169709	0.005213224	JAK3	LINC01482
0.302156683	0.005215262	TLR7	HCG9
0.302094384	0.005225016	NOTCH3	AC008750.1
0.302069637	0.005228895	RAD17	AC006042.3
0.30206018	0.005230379	CX3CR1	C9orf106
0.302012994	0.005237784	MYC	MEG9
0.301975897	0.005243613	MYC	AP001439.1
0.301917215	0.005252845	RAD17	AL157400.2
0.301898182	0.005255843	TLR7	AC092115.3
0.301876095	0.005259323	JAK3	IER3-AS1
0.301866031	0.00526091	CEBPA	AL583785.1
0.301861461	0.00526163	JAK3	AL513318.2
0.301857065	0.005262323	MYC	AP000785.1
0.30184018	0.005264987	TRIM21	AL135905.1
0.30181924	0.005268291	RAD17	KLHDC7B-DT
0.301816503	0.005268723	ATG7	AP000317.1
0.301784015	0.005273854	TLR7	CACTIN-AS1

0.301724401	0.005283281	JAK3	AC010809.2
0.301698394	0.005287398	JAK3	LINC02575
0.30168779	0.005289078	JAK3	C7orf65
0.301640822	0.005296523	TLR7	AC027271.1
0.301600172	0.005302974	TRIM21	AC099343.2
0.301543508	0.005311977	JAK3	MED14OS
0.30153354	0.005313563	JAK3	MIR646HG
0.301458127	0.00532557	TLR7	AF181450.1
0.30139345	0.005335887	TLR7	AC100849.1
0.301323403	0.00534708	CEBPA	AC026803.1
0.301263491	0.005356671	RAD17	AC008443.5
0.301238243	0.005360717	JAK3	AC015922.3
0.301236844	0.005360941	PDPN	AC010260.1
0.30116737	0.005372089	RAD17	AC119403.1
0.301108692	0.005381521	CEBPA	LINC01197
0.300947772	0.005407462	TRIM21	AC078881.1
0.300933439	0.005409778	TLR7	AC079209.1
0.300919506	0.00541203	CEBPA	LINC01678
0.300882373	0.005418036	MITF	AC022858.1
0.3008389	0.005425076	CX3CR1	H19
0.300831658	0.005426249	RAD17	LNCAROD
0.300805421	0.005430502	PDPN	AC005481.1
0.300791236	0.005432803	PDPN	MAFG-DT
0.300780473	0.005434549	NOTCH3	AC106886.2
0.300736818	0.005441637	JAK3	AC012645.3
0.300735056	0.005441923	ATG7	AC026691.1
0.30071754	0.005444769	TLR7	AC008957.1
0.300630765	0.005458889	RAD17	AC104109.2
0.300593892	0.005464899	TLR7	AC010457.1
0.30057663	0.005467715	RAD17	AC008467.1
0.300499884	0.005480248	JAK3	AC100812.1
0.300483941	0.005482855	NOTCH3	AC005342.2
0.30047739	0.005483926	CEBPA	LINC02041
0.300392026	0.005497905	NOTCH3	AF186192.1
0.300376327	0.005500479	PDPN	AC139491.2
0.300324503	0.005508985	CEBPA	AC087392.1
0.300307244	0.00551182	JAK3	AC108749.1
0.300282698	0.005515854	ATG7	AL136114.1
0.300245924	0.005521903	JAK3	LINC02839
0.30022426	0.00552547	PDPN	AC007098.1
0.300134397	0.005540285	JAK3	TRBV11-2
0.300113169	0.00554379	TLR7	AC087442.1
0.300105947	0.005544983	RAD17	SNHG27
0.300080352	0.005549212	ATG7	AL121904.1
0.300038718	0.005556097	TRIM21	AC011445.1
0.300013168	0.005560327	CEBPA	AC096586.2
-0.300057481	0.005552993	MITF	AP003555.2
-0.300129091	0.005541161	TRIM21	AC008147.2
-0.300151647	0.005537438	PDPN	AL132639.3
-0.300151868	0.005537402	MITF	PVT1
-0.300202635	0.005529032	PDPN	AC079313.2
-0.300312858	0.005510898	TRIM21	AC018695.4
-0.300383914	0.005499235	PDPN	AC022182.2
-0.300386253	0.005498852	NOTCH3	LINC00461
-0.300399016	0.005496759	TRIM21	AC090515.5
-0.300408023	0.005495283	PDPN	AL353150.1
-0.300497675	0.005480609	PDPN	AL355353.1
-0.300551395	0.005471833	JAK3	AC087379.1

-0.300615001	0.005461458	MYC	LINC01050
-0.300751126	0.005439313	PDPN	AC092652.1
-0.300762011	0.005437545	MYC	AL121894.2
-0.300779589	0.005434692	NOTCH3	SPAG5-AS1
-0.300858076	0.00542197	TRIM21	LINC02256
-0.300893648	0.005416212	MYC	AL592431.1
-0.300925295	0.005411094	TRIM21	AL133410.1
-0.30117597	0.005370708	NOTCH3	AC010422.2
-0.301338856	0.005344609	PDPN	AC106745.1
-0.301355716	0.005341914	TLR7	ZNF687-AS1
-0.301376856	0.005338537	TRIM21	AC022540.1
-0.301549535	0.005311019	ATG7	RC3H1-IT1
-0.301705069	0.005286341	MYC	AC011944.1
-0.301926298	0.005251415	MITF	AP000944.1
-0.301937661	0.005249627	MYC	CNIH3-AS2
-0.302119667	0.005221055	TRIM21	AC055811.1
-0.302135329	0.005218603	TRIM21	AL133230.1
-0.302297701	0.005193241	CEBPA	AC022447.2
-0.302378335	0.005180687	PDPN	LINC02869
-0.302388959	0.005179034	NOTCH3	AC048344.4
-0.302425887	0.005173296	TRIM21	UCKL1-AS1
-0.302434011	0.005172034	PDPN	LINC02352
-0.302662752	0.005136619	MYC	AL078459.1
-0.302755748	0.005122282	CX3CR1	AC112493.1
-0.302837908	0.005109646	MYC	AC007637.1
-0.302878636	0.005103392	TRIM21	STX18-IT1
-0.302983368	0.005087342	TRIM21	AL360182.2
-0.302988363	0.005086577	PDPN	FOXC2-AS1
-0.303223479	0.005050713	MYC	AC095030.1
-0.303290473	0.005040535	MYC	LINC02599
-0.303352219	0.00503117	TRIM21	AC007114.2
-0.303569079	0.004998402	MYC	HECW2-AS1
-0.303581121	0.004996588	ATG7	ATP11A-AS1
-0.303808106	0.004962505	TRIM21	VLDLR-AS1
-0.303967033	0.004938763	MYC	AC012360.1
-0.304035925	0.004928503	ATG7	AL121992.1
-0.304123858	0.004915435	TRIM21	AC027018.1
-0.304274605	0.004893103	TRIM21	TRMT2B-AS1
-0.304436086	0.004869281	RAD17	AC243654.3
-0.304598079	0.004845487	MYC	PTPRN2-AS1
-0.304688331	0.004832275	ATG7	AL645608.6
-0.304764701	0.004821121	TRIM21	AC090198.1
-0.304773283	0.004819869	ATG7	AC007390.1
-0.304804145	0.004815369	ATG7	AC015849.4
-0.304968778	0.004791426	MYC	DISC1FP1
-0.304973651	0.004790719	MYC	AC097059.1
-0.305042702	0.004780709	CEBPA	MIR210HG
-0.305154745	0.004764507	CX3CR1	BMPR1B-DT
-0.30524352	0.004751705	TRIM21	BICRA-AS1
-0.305256177	0.004749882	MYC	LINC02139
-0.305281416	0.004746249	CX3CR1	AC091132.1
-0.305302168	0.004743263	MITF	AC007527.1
-0.305536051	0.004709733	ATG7	AL645608.4
-0.305538119	0.004709438	MITF	LINC01786
-0.305545855	0.004708332	TRIM21	AC007336.1
-0.305600413	0.004700543	MYC	LINC00882
-0.305632774	0.004695929	MYC	AC099524.1
-0.305776338	0.004675505	MYC	AC108463.3

-0.305852693	0.004664674	CEBPA	AL133415.1
-0.305862104	0.004663341	MYC	NR2F1-AS1
-0.305914875	0.004655871	PDPN	LINC01220
-0.306108711	0.004628523	MYC	AL133371.2
-0.306206338	0.004614803	NOTCH3	AL139289.1
-0.306510621	0.004572273	PDPN	LINC00844
-0.30659107	0.004561086	MYC	AC098487.1
-0.306629205	0.004555792	PDPN	AC027682.1
-0.306688401	0.004547585	TRIM21	TRAF3IP2-AS1
-0.306703993	0.004545426	MYC	AC096921.2
-0.306916558	0.004516076	TRIM21	AC008735.1
-0.306933304	0.004513771	MYC	AC013270.1
-0.306946983	0.004511889	PDPN	MAP4K3-DT
-0.306948536	0.004511676	PDPN	AC010531.6
-0.307014056	0.004502671	NOTCH3	EPS15-AS1
-0.307036465	0.004499595	TRIM21	AC004594.1
-0.307174389	0.004480703	TRIM21	AC024075.1
-0.307202828	0.004476816	MYC	LINC00540
-0.307218928	0.004474617	CX3CR1	AC007952.9
-0.30739012	0.004451295	MYC	SLC8A1-AS1
-0.307535765	0.004431538	MYC	AC022075.1
-0.307571873	0.004426652	MITF	AL031779.1
-0.307648398	0.004416313	MYC	LINC01768
-0.307829389	0.004391945	TRIM21	AL121992.1
-0.307865988	0.004387032	NOTCH3	AC005062.1
-0.307889355	0.004383898	TRIM21	PRC1-AS1
-0.307939192	0.00437722	PDPN	COA6-AS1
-0.307996662	0.004369531	MYC	AC090673.1
-0.308150166	0.004349051	CX3CR1	LINC02274
-0.308444338	0.004310042	TRIM21	AC024592.1
-0.308555229	0.004295418	MITF	LINC00638
-0.30879122	0.004264444	NOTCH3	AC092828.1
-0.309003837	0.004236708	MITF	DNAJC27-AS1
-0.309289163	0.004199739	TRIM21	AP003696.1
-0.309331401	0.004194291	MYC	AC079148.1
-0.309354019	0.004191376	PDPN	AC010185.1
-0.309555772	0.004165455	NOTCH3	AC007497.1
-0.309584076	0.00416183	TRIM21	RHOA-IT1
-0.309587932	0.004161337	NOTCH3	AP001160.3
-0.309605893	0.004159038	MYC	HOMER3-AS1
-0.30961445	0.004157943	TRIM21	AC108010.1
-0.309635447	0.004155258	TRIM21	C12orf77
-0.309682319	0.00414927	PDPN	AC025419.1
-0.310105792	0.004095514	TRIM21	AC090607.1
-0.310112132	0.004094714	ATG7	AL157938.3
-0.310120687	0.004093634	TRIM21	AC092279.1
-0.310165291	0.004088011	MYC	AC099550.1
-0.310480462	0.004048471	MYC	BCAR3-AS1
-0.310519388	0.004043611	MYC	AC112721.2
-0.310709007	0.004020012	CX3CR1	LINC02533
-0.31073029	0.004017371	MYC	AC244502.3
-0.310807596	0.004007791	RAD17	AL157938.3
-0.311141398	0.003966657	ATG7	AL354893.2
-0.311322378	0.003944513	MYC	LINC02345
-0.311359057	0.003940039	TRIM21	AC005480.1
-0.311658852	0.003903637	MYC	AC078785.2
-0.311738525	0.003894013	CX3CR1	GPC5-AS1
-0.311774446	0.003889681	CX3CR1	RUSC1-AS1

-0.311841394	0.003881619	TLR7	AL022332.1
-0.311892371	0.00387549	PDPN	LINC01923
-0.31191244	0.003873079	TLR7	BTG3-AS1
-0.312027297	0.003859309	TRIM21	AL160314.2
-0.312029523	0.003859043	MYC	AC079922.2
-0.312167513	0.003842558	MYC	AC078845.1
-0.312243911	0.003833458	MYC	AC068491.2
-0.31252025	0.003800704	TRIM21	AP002490.1
-0.312672121	0.00378281	MYC	AL606834.2
-0.312862596	0.003760473	TRIM21	AC000120.2
-0.312888529	0.003757441	MITF	ZFAS1
-0.313031857	0.003740723	PDPN	U47924.2
-0.313133103	0.003728953	NOTCH3	AC008438.1
-0.313453088	0.003691972	TRIM21	AP000722.1
-0.313527746	0.003683391	MYC	AL354919.2
-0.313892979	0.003641668	MYC	AC091435.2
-0.314124786	0.003615406	MYC	AC097515.1
-0.314201194	0.003606787	NOTCH3	AC013270.1
-0.314243046	0.003602074	TRIM21	AP002907.1
-0.314257055	0.003600497	TRIM21	AC015923.1
-0.314454074	0.003578391	MYC	MYOSLID
-0.314462311	0.00357747	MYC	MIR137HG
-0.314488205	0.003574574	MYC	AC027575.2
-0.314674763	0.003553774	TRIM21	AL162386.2
-0.314791941	0.003540764	NOTCH3	RUSC1-AS1
-0.314800616	0.003539803	PDPN	LINC00896
-0.314940062	0.00352438	PDPN	LINC01960
-0.314940062	0.00352438	MYC	MIR3681HG
-0.314961454	0.00352202	JAK3	AL049812.2
-0.315097272	0.003507065	NOTCH3	PXN-AS1
-0.315178269	0.003498174	PDPN	AC010173.1
-0.315188337	0.00349707	MITF	RNF207-AS1
-0.315194998	0.00349634	PDPN	AL035404.2
-0.315211313	0.003494552	MYC	AC009486.1
-0.315215088	0.003494139	MYC	AC005746.2
-0.315337285	0.003480776	TRIM21	TTC21B-AS1
-0.315357019	0.003478623	MYC	AP005059.1
-0.315530919	0.003459696	CX3CR1	USP12-AS2
-0.315699417	0.003441445	TRIM21	AC073842.2
-0.31571647	0.003439603	MYC	AC090409.1
-0.315757383	0.003435186	PDPN	AC013287.1
-0.315760168	0.003434886	TRIM21	FAM222A-AS1
-0.315790943	0.003431567	PDPN	AP000561.1
-0.316006885	0.003408363	MITF	AC009133.1
-0.316249873	0.003382419	MYC	AC006547.1
-0.316314908	0.003375506	ATG7	MIR302CHG
-0.31633087	0.003373811	MYC	AL645568.1
-0.31635272	0.003371492	MITF	AP001160.1
-0.316404945	0.003365955	RAD17	AL158825.2
-0.316582913	0.003347149	TRIM21	AL356133.1
-0.316675104	0.003337443	MYC	AC025171.4
-0.316764832	0.003328021	PDPN	LINC02669
-0.31676543	0.003327959	PDPN	AC010424.2
-0.316870678	0.003316938	PDPN	MROCKI
-0.316999089	0.003303535	MYC	AC090559.1
-0.317201169	0.003282542	TRIM21	AC010973.1
-0.317253126	0.003277164	TLR7	LINC01587
-0.317294306	0.003272907	PDPN	HMGA2-AS1

-0.317297393	0.003272588	CX3CR1	CELF2-DT
-0.317397798	0.00326223	ATG7	AP001442.1
-0.317405677	0.003261418	MYC	LINC00607
-0.317534517	0.003248172	MYC	AC012414.4
-0.317586312	0.003242861	MITF	CCDC84-DT
-0.317906609	0.003210188	TRIM21	AC004951.1
-0.31793186	0.003207625	MYC	AC018529.1
-0.318072289	0.003193404	MYC	ZBED5-AS1
-0.318250851	0.003175402	TRIM21	AC073487.1
-0.318335527	0.003166897	MYC	AC004687.1
-0.319067302	0.003094242	TRIM21	AC009686.1
-0.31937308	0.003064327	ATG7	USP2-AS1
-0.319388212	0.003062853	MYC	AC114489.2
-0.319435512	0.003058251	CX3CR1	AL035425.1
-0.319531839	0.003048898	PDPN	LBX2-AS1
-0.319593899	0.003042885	CX3CR1	AC107419.1
-0.319711139	0.003031555	CEBPA	AC083900.1
-0.319887291	0.003014604	MYC	AL357315.1
-0.320049435	0.002999075	PDPN	LINC02362
-0.320078567	0.002996293	MYC	NDUFV2-AS1
-0.320157943	0.002988724	MITF	LINC02593
-0.320259188	0.002979094	MYC	AC090114.2
-0.320395394	0.002966182	MYC	AC006033.2
-0.32044827	0.002961183	TRIM21	AP000721.2
-0.32050641	0.002955696	CX3CR1	AL133372.2
-0.320574082	0.00294932	TRIM21	LINC00368
-0.320785664	0.002929464	NOTCH3	SNHG30
-0.321208197	0.00289017	PDPN	AC108749.1
-0.321934624	0.002823717	PDPN	AL391807.1
-0.322163675	0.00280305	CEBPA	AC023403.1
-0.322263845	0.002794054	MITF	AL161729.1
-0.322263845	0.002794054	MYC	GAPLINC
-0.322293876	0.002791362	CEBPA	AC024475.1
-0.322361296	0.002785327	CX3CR1	AC024132.2
-0.322466336	0.002775948	MITF	SNHG1
-0.322506834	0.00277234	MYC	AL135818.1
-0.322958853	0.002732348	TRIM21	LINC00624
-0.323135537	0.002716857	TRIM21	AC008758.2
-0.323176689	0.002713261	MYC	AC009950.1
-0.32347194	0.002687581	PDPN	AC027801.1
-0.32353105	0.002682466	PDPN	AC004687.1
-0.323612357	0.002675445	CEBPA	AC126365.1
-0.323615786	0.002675149	PDPN	LINC01931
-0.324288764	0.002617669	MYC	TTLL7-IT1
-0.32449212	0.002600519	TRIM21	AC091906.1
-0.324521635	0.002598039	MYC	LINC02787
-0.324533258	0.002597062	JAK3	AC025752.1
-0.324540267	0.002596474	PDPN	LINC00528
-0.32464942	0.002587323	TRIM21	AP005131.6
-0.324916351	0.002565067	ATG7	AC012358.1
-0.324960261	0.002561422	PDPN	SEPTIN4-AS1
-0.325253385	0.002537211	TRIM21	EMSLR
-0.325283179	0.002534762	JAK3	AC025566.1
-0.325361675	0.002528319	MYC	LINC01747
-0.325495219	0.002517392	MYC	Z93930.2
-0.325611534	0.002507909	TRIM21	AC005034.5
-0.325636263	0.002505897	CX3CR1	AP001527.2
-0.325649924	0.002504786	CX3CR1	LINC02492

-0.325674305	0.002502804	ATG7	ALG13-AS1
-0.325717959	0.00249926	PDPN	AC091729.3
-0.325746754	0.002496925	TRIM21	AC087761.1
-0.326019602	0.002474892	CEBPA	LINC02533
-0.326048548	0.002472565	TRIM21	AL359922.2
-0.326064654	0.002471271	MYC	AC044802.2
-0.326223973	0.002458504	CEBPA	AP001527.2
-0.3268483	0.002409041	TRIM21	AL162430.2
-0.326968249	0.002399641	TRIM21	AC004076.2
-0.327032118	0.00239465	MITF	LINC01562
-0.327140376	0.00238621	RAD17	PTPRK-AS1
-0.327168994	0.002383983	TRIM21	AL133245.1
-0.327371623	0.002368272	MYC	AC023590.1
-0.327845246	0.00233191	NOTCH3	AC005307.1
-0.328029318	0.002317913	MYC	AP005209.1
-0.328236395	0.002302258	PDPN	AL359232.1
-0.32833675	0.002294706	TRIM21	AC010463.3
-0.328799162	0.002260192	ATG7	AC106820.2
-0.328969351	0.002247608	TRIM21	AC022558.1
-0.329553508	0.00220489	MYC	SLC25A5-AS1
-0.33006961	0.002167759	MYC	AC136469.1
-0.330441034	0.002141386	TRIM21	AC009090.1
-0.330997894	0.002102386	TRIM21	AC022893.1
-0.331262505	0.002084079	MYC	LINC00528
-0.33134443	0.00207844	TRIM21	AC100832.2
-0.331404561	0.00207431	ATG7	ALG1L9P
-0.331712705	0.002053261	CX3CR1	AC091932.1
-0.331723516	0.002052526	PDPN	AC022034.1
-0.331759917	0.002050054	TRIM21	AC008395.1
-0.332050867	0.002030384	TRIM21	AL731577.2
-0.332119418	0.002025774	TRIM21	AC012157.2
-0.332470003	0.002002347	TRIM21	AL356481.2
-0.332602676	0.001993545	PDPN	AC012645.1
-0.332684067	0.001988163	MITF	CELF2-DT
-0.333260835	0.001950395	TRIM21	LZTS1-AS1
-0.333448858	0.001938223	MITF	AF038458.2
-0.333937545	0.001906907	PDPN	AC025287.2
-0.333976694	0.001904418	JAK3	LINC01387
-0.334012469	0.001902146	TRIM21	ATP11A-AS1
-0.334029578	0.001901061	MYC	AL035665.1
-0.334057256	0.001899306	MYC	AC079949.2
-0.334086286	0.001897466	TRIM21	PABPC4-AS1
-0.334109643	0.001895988	TRIM21	AC007216.4
-0.33412739	0.001894865	NOTCH3	AC005342.1
-0.334151482	0.001893342	PDPN	LINC00589
-0.33417874	0.00189162	PDPN	AC108463.2
-0.334251291	0.001887043	MYC	PRKAR1B-AS1
-0.334268181	0.001885979	ATG7	AP000944.1
-0.334382925	0.001878764	TRIM21	AL157912.1
-0.334522996	0.001869991	TRIM21	AL158825.2
-0.334730618	0.001857055	TRIM21	AC087521.2
-0.334757692	0.001855374	TRIM21	AC011825.2
-0.334956666	0.001843063	TRIM21	AL157938.2
-0.335368385	0.001817822	MITF	ALG1L9P
-0.335680004	0.001798925	PDPN	AL162413.1
-0.336367531	0.001757858	MYC	LINC02823
-0.336396347	0.001756156	TRIM21	AC096564.1
-0.336944526	0.001724049	TRIM21	CYP2U1-AS1

-0.337078985	0.001716255	PDPN	AC093730.1
-0.337220754	0.001708072	JAK3	C9orf135-DT
-0.337551853	0.001689097	ATG7	AC087521.3
-0.337576756	0.001687678	PDPN	AC114316.1
-0.337688669	0.001681312	MYC	AL606468.1
-0.33769672	0.001680855	TRIM21	AC104051.1
-0.337745964	0.001678062	PDPN	AC099343.3
-0.337779813	0.001676144	TRIM21	AC068389.3
-0.33815936	0.001654776	MYC	AL136295.6
-0.338206707	0.001652128	TRIM21	AC108449.2
-0.338361851	0.001643477	NOTCH3	LINC01275
-0.338616839	0.001629348	TRIM21	AL592211.1
-0.338678892	0.001625927	MITF	AC007389.2
-0.338942381	0.001611469	TRIM21	AL136115.1
-0.339025732	0.00160692	TRIM21	AL845552.2
-0.339169645	0.001599093	MYC	AL022316.1
-0.33923256	0.001595682	MYC	RASSF8-AS1
-0.339629712	0.001574301	CX3CR1	ALMS1-IT1
-0.339735954	0.001568626	ATG7	AL157912.1
-0.340007921	0.001554181	ATG7	PTPRK-AS1
-0.340078061	0.001550476	ATG7	PVT1
-0.340268242	0.001540468	NOTCH3	BTBD9-AS1
-0.340847537	0.001510344	MYC	AC092802.1
-0.340927503	0.001506228	MYC	LINC02392
-0.341017168	0.001501624	PDPN	AL590640.1
-0.341682697	0.001467851	MYC	LINC01614
-0.342079286	0.001448054	PDPN	AC009831.1
-0.342111525	0.001446455	TRIM21	AL356019.2
-0.342626683	0.001421125	TRIM21	AL020995.1
-0.342798126	0.001412785	MYC	ACOXL-AS1
-0.342890985	0.001408286	MITF	AC069281.1
-0.342914709	0.001407139	TRIM21	AL157838.1
-0.342987319	0.001403633	TRIM21	AC016747.3
-0.343305566	0.001388358	TRIM21	IGF2BP2-AS1
-0.343376488	0.001384975	MYC	LINC02860
-0.343576296	0.001375483	PDPN	C1QTNF1-AS1
-0.343633566	0.001372773	MITF	AL645608.6
-0.344141029	0.001348973	NOTCH3	RC3H1-IT1
-0.344663488	0.00132486	MYC	AC025419.1
-0.344776016	0.001319718	NOTCH3	AC080037.2
-0.345069895	0.001306374	MYC	AC037450.1
-0.345075302	0.00130613	TRIM21	AL078645.1
-0.345643139	0.001280696	PDPN	LINC00467
-0.345788875	0.001274242	TRIM21	AP000907.2
-0.346177989	0.001257152	MYC	AC007611.1
-0.346217334	0.001255435	MYC	LINC02405
-0.346853325	0.001227983	MYC	AC018450.1
-0.347448078	0.001202805	TRIM21	AL365436.2
-0.347695626	0.001192464	PDPN	LINC01186
-0.347786027	0.001188707	NOTCH3	AC126365.1
-0.348216546	0.001170965	JAK3	MAFG-DT
-0.348469662	0.001160647	JAK3	AL928654.1
-0.34959134	0.001115906	ATG7	AC024475.1
-0.350379965	0.001085392	MYC	AL360219.2
-0.350472565	0.00108186	MYC	L3MBTL4-AS1
-0.350713779	0.001072706	MYC	AL365203.2
-0.350771505	0.001070526	TRIM21	AC020915.1
-0.351262331	0.001052151	MYC	LINC01931



-0.35172145	0.001035223	ATG7	AP001527.2
-0.352051348	0.001023213	MYC	ST8SIA6-AS1
-0.352184298	0.001018409	TLR7	AC005307.1
-0.352699149	0.000999997	ATG7	AC091820.1
-0.35305855	0.000987323	TRIM21	AC104984.3
-0.353956869	0.000956283	TRIM21	AC099811.4
-0.354649279	0.000932965	ATG7	AL158825.2
-0.35487677	0.000925418	ATG7	AC073575.1
-0.354924851	0.00092383	NOTCH3	AC007952.9
-0.355075823	0.00091886	NOTCH3	PTPRK-AS1
-0.355168573	0.000915819	MYC	LINC00324
-0.355439928	0.000906973	TRIM21	LINC02626
-0.355544981	0.000903569	PDPN	TEX41
-0.356192582	0.000882843	PDPN	AL022315.1
-0.357089338	0.000854857	TRIM21	AL136982.3
-0.357201535	0.000851413	JAK3	EPHA5-AS1
-0.35806419	0.000825352	MITF	AC243654.3
-0.35821567	0.000820851	TRIM21	AP000962.1
-0.358226182	0.000820539	MYC	AP001330.4
-0.35936013	0.000787563	MYC	CH17-340M24.3
-0.359743843	0.000776681	TRIM21	Z98885.3
-0.360767301	0.000748322	NOTCH3	AL031779.1
-0.361628025	0.000725206	MYC	LINC00922
-0.362398994	0.000705056	MYC	AC084781.1
-0.362705999	0.000697175	PDPN	AC010197.1
-0.362904496	0.000692122	TRIM21	AC127024.3
-0.363282572	0.000682591	MYC	LINC01449
-0.364442645	0.000654087	MYC	LINC01137
-0.364847626	0.000644396	MYC	AC017048.3
-0.365317147	0.000633324	ATG7	EMSLR
-0.366268769	0.000611414	JAK3	MIR497HG
-0.366717965	0.000601314	TRIM21	AC109460.2
-0.366973777	0.00059563	MYC	LINC02328
-0.367383204	0.000586636	TRIM21	AP001442.1
-0.368148223	0.000570162	MITF	SBNO1-AS1
-0.369127469	0.000549692	MYC	LINC02100
-0.369152421	0.00054918	PDPN	PRKAR1B-AS1
-0.370094007	0.000530149	PDPN	ZBED5-AS1
-0.370846858	0.000515369	TRIM21	AC011479.2
-0.370956868	0.000513241	TRIM21	AC130895.1
-0.370969867	0.00051299	TRIM21	AC018521.7
-0.371288708	0.000506871	MYC	AF127577.4
-0.371828388	0.000496666	TRIM21	PTPRK-AS1
-0.372025211	0.000492991	TRIM21	AC005086.2
-0.37208855	0.000491814	PDPN	DEPDC1-AS1
-0.37348129	0.000466568	MYC	LINC02454
-0.373614946	0.000464208	MYC	LINC02587
-0.373773015	0.000461432	ATG7	AC243654.3
-0.373788153	0.000461167	MYC	DNMBP-AS1
-0.37401222	0.00045726	MYC	AL121989.1
-0.374744767	0.000444697	NOTCH3	FLJ40194
-0.375043043	0.000439673	TRIM21	ALG13-AS1
-0.375344414	0.00043465	MYC	LINC00943
-0.376563615	0.00041486	PDPN	LINC00324
-0.376877477	0.000409901	PDPN	CD2BP2-DT
-0.378176102	0.000389954	ATG7	AC017104.2
-0.378859957	0.000379812	MITF	AC019257.1
-0.379973676	0.000363811	MITF	AL928654.1

-0.38021424	0.000360437	TRIM21	NPTN-IT1
-0.380468496	0.000356902	MYC	AL031733.2
-0.38056426	0.000355579	TRIM21	AC011405.1
-0.380609078	0.000354961	CX3CR1	AL358876.2
-0.380965042	0.000350091	MYC	LINC02863
-0.381816576	0.000338687	MYC	OVAAL
-0.381971716	0.000336646	TRIM21	AC113382.2
-0.38247012	0.000330167	ATG7	AL157938.2
-0.382694362	0.000327289	TRIM21	AL358115.1
-0.383292159	0.000319729	TRIM21	AP003392.1
-0.384158997	0.000309053	PDPN	AL035446.1
-0.384468968	0.000305315	MYC	MAP4K3-DT
-0.385447411	0.000293788	TRIM21	AC104984.1
-0.387226146	0.000273851	MYC	AC022126.1
-0.387527938	0.000270594	MYC	HRAT17
-0.388293779	0.00026249	TRIM21	AC007390.1
-0.388569114	0.000259631	TRIM21	AC021739.2
-0.389150843	0.000253685	TRIM21	AP003170.3
-0.389521724	0.00024996	ATG7	C9orf135-DT
-0.389875468	0.000246454	MYC	LINC02611
-0.390553062	0.000239864	TRIM21	AF038458.2
-0.392183861	0.000224664	MYC	LINC02777
-0.392205224	0.000224471	MYC	DSCR8
-0.394399929	0.000205429	NOTCH3	AC008750.3
-0.39623091	0.000190695	TRIM21	AL162274.1
-0.396547447	0.000188249	TRIM21	AC211433.1
-0.397231632	0.00018306	ATG7	RNF207-AS1
-0.397833863	0.000178602	PDPN	AC078845.1
-0.398212975	0.000175848	TRIM21	ADAMTS9-AS2
-0.399070563	0.00016976	PDPN	AP002807.1
-0.400133645	0.000162485	MYC	TRG-AS1
-0.400271343	0.000161564	MYC	LINC00944
-0.400679874	0.00015886	TRIM21	TMEM75
-0.400897462	0.000157436	MYC	AC079313.2
-0.403069746	0.00014386	TRIM21	AC017104.2
-0.405266339	0.000131238	MYC	AL138962.1
-0.406376559	0.000125256	TRIM21	AC005070.3
-0.406611487	0.000124023	PDPN	LINC01505
-0.408978617	0.000112211	TRIM21	AL133243.3
-0.412791463	9.54E-05	PDPN	AC022613.2
-0.414863189	8.72E-05	NOTCH3	LINC02533
-0.416217571	8.22E-05	MYC	AL139317.1
-0.416438439	8.15E-05	ATG7	MAFG-DT
-0.417327299	7.84E-05	MYC	OSMR-AS1
-0.422770648	6.17E-05	TRIM21	AP001486.2
-0.426371733	5.25E-05	TRIM21	RABGAP1L-AS1
-0.428452103	4.78E-05	NOTCH3	AP001160.1
-0.429018378	4.66E-05	MYC	MIR3142HG
-0.429301022	4.60E-05	TRIM21	AC073575.1
-0.431038336	4.26E-05	MYC	LINC02535
-0.438386538	3.03E-05	NOTCH3	AC004069.1
-0.439091807	2.94E-05	TRIM21	GTF3C2-AS1
-0.442725524	2.48E-05	MITF	MAFG-DT
-0.443130433	2.43E-05	PDPN	OVAAL
-0.448739496	1.86E-05	MYC	RNASEH2B-AS1
-0.458612398	1.15E-05	PDPN	LINC02454
-0.467823261	7.22E-06	TRIM21	AL157938.3
-0.47015526	6.41E-06	PDPN	LINC02611

-0.474981776	4.99E-06	TRIM21	AP000487.1
-0.480472211	3.74E-06	PDPN	MIR4435-2HG
-0.482775401	3.31E-06	TRIM21	AC106028.4
-0.525037967	2.94E-07	MYC	MIR4435-2HG