Supplementry Table 6: Topology analysis of the glomerule multi-layer network.

Differential expressed genes (DEG)										
DEG	Degree	BetweennessCentrality	AverageShortestPathLength	ClosenessCentrality	ClusteringCoefficient	Eccentricity	NeighborhoodConnectivity	Radiality	Stress	TopologicalCoefficient
TCF21	148	0.01820392	1.94311377	0.5146379	0.04734326	4	46.59459459	0.81137725	442986	0.05178174
CUX1	98	0.00299869	1.95409182	0.51174668	0.0511256	4	100.4591837	0.80918164	635454	0.10654708
QKI	90	0.00283918	1.99401198	0.5015015	0.02022472	4	96.94444444	0.8011976	548514	0.10867392
HIPK2	88	0.00256965	1.97005988	0.50759878	0.03982892	4	95.59770115	0.80598802	467870	0.10209601
PARVA	90	0.00254712	1.98303393	0.50427781	0.02372035	3	96.86666667	0.80339321	583922	0.10695213
TNN11	65	0.00238413	2.0489022	0.48806624	0.03221154	4	91.86153846	0.79021956	283758	0.10438059
FLT1	83	0.00237267	1.98502994	0.50377074	0.03291214	3	92.74698795	0.80299401	443374	0.1009184
MED4	23	0.00229966	2.26946108	0.44063325	0.03162055	4	89.86956522	0.74610778	77962	0.12757764
PYCARD	5	0.0020002	2.64870259	0.37754333	0	4	97	0.67025948	47716	0.25876011
MRPS14	33	0.00189295	2.29740519	0.43527368	0.01515152	4	95.3030303	0.74051896	76984	0.14373215
ERBB4	80	0.0018484	2.01696607	0.49579416	0.04113924	4	102	0.79660679	428278	0.11358696
NFASC	78	0.00175809	2.02295409	0.49432659	0.02530803	3	102.9102564	0.79540918	427094	0.11663753
SERINC5	72	0.00168566	2.00299401	0.49925262	0.04342723	4	100.6944444	0.7994012	354110	0.10995624
PSD3	72	0.00157214	2.04191617	0.48973607	0.01760563	4	104.1388889	0.79161677	371860	0.12137328
SLC38A1	76	0.00157002	2.03692615	0.49093582	0.02842105	4	100.0131579	0.79261477	391538	0.11394497
CELF2	69	0.00150511	2.07884232	0.48103697	0.01321398	3	91.75362319	0.78423154	333878	0.11129374
XYLT1	64	0.00149161	2.00299401	0.49925262	0.03869048	4	101.015625	0.7994012	297892	0.10922264
NEBL	69	0.00145221	2.00598802	0.49850746	0.07587383	3	103.3623188	0.7988024	294626	0.11181693
LGALS8	68	0.00142597	2.04690619	0.48854217	0.02765584	4	96.92647059	0.79061876	309650	0.1117579
CD44	55	0.00137721	2.03792415	0.4906954	0.03905724	3	98.10909091	0.79241517	229202	0.10872768
ABLIM1	73	0.00135887	2.01397206	0.49653122	0.04185693	4	105.2465753	0.79720559	350448	0.11578963
AKT3	69	0.00133669	1.99700599	0.50074963	0.05839727	4	103.8115942	0.8005988	309580	0.11118878
NFIB	73	0.00132204	2.000998	0.49975062	0.07762557	4	104.5479452	0.7998004	288440	0.11282878
IGF1	67	0.00131611	2.03193613	0.49214145	0.03030303	4	100.0298508	0.79361277	300220	0.11267392
SEMA5A	54	0.00131347	2.0758483	0.48173077	0.02865129	4	105.1481482	0.78483034	207460	0.12226496
PTPRB	63	0.00125794	2.03293413	0.49189985	0.04813108	4	98.6031746	0.79341317	238654	0.10933178
ATP9A	66	0.00124165	2.02095808	0.49481481	0.04335664	4	103.2727273	0.79580838	294174	0.11447811
ITGB8	71	0.00119624	2.00199601	0.4995015	0.0362173	4	108.3521127	0.7996008	363932	0.11794431
EPB41L5	69	0.00119622	2.05888224	0.48570044	0.0140665	4	107.6956522	0.78822355	364560	0.12743628
EFNB2	50	0.00118177	2.1007984	0.4760095	0.03591837	4	95.62	0.77984032	157014	0.11363528
ARHGEF12	65	0.00118034	2.04091816	0.48997555	0.025	4	101.1076923	0.79181637	312070	0.11491974
MEGF9	65	0.0011793	2.04191617	0.48973607	0.03173077	4	101.3846154	0.79161677	286408	0.11500831
APBB2	68	0.00110569	2.01297405	0.49677739	0.05399473	4	105.4705882	0.79740519	285664	0.11513983
PODXL	55	0.00109757	2.05888822	0.48640777	0.04844485	4	94.52727273	0.78882236	185388	0.10696764
CLIC5	61	0.00109258	2.05489022	0.486644	0.03224044	4	99.21311475	0.78902196	245458	0.11266529
CDH6	65	0.00108686	2.0489022	0.48806624	0.03461538	4	103.1692308	0.79021956	276822	0.11731207
ARL4C	56	0.00105097	2.07185629	0.48265896	0.05324675	4	92.30357143	0.78562874	182816	0.10617594
NPAS3	52	0.00104045	2.07784431	0.48126801	0.04826546	4	97.76923077	0.78443114	180264	0.112914
KAT2B	49	0.00103711	2.01097804	0.49727047	0.12414966	4	113.1428571	0.79780439	125320	0.12008753
SNX1	56	0.00103475	2.19061876	0.45649203	0.00324675	4	95	0.76187625	224048	0.13217295
OPCML	61	0.00102878	2.07684631	0.48149928	0.02786885	4	98.70491803	0.78463074	250578	0.11628493
FAM220B	57	0.00100846	2.05389222	0.48688047	0.04385965	4	100.1929825	0.78922156	219032	0.11339858
CXADR	56	0.00100036	2.04690619	0.48854217	0.02857143	4	102.8928571	0.79061876	231002	0.11674626
IGFBP3	44	9.72E-04	2.04790419	0.48830409	0.09830867	3	96.02272727	0.79041916	112128	0.1059769
CTDSPL	48	9.59E-04	2.06287425	0.48476052	0.04875887	4	100.9583333	0.78742515	158856	0.11407607
PTCH1	56	9.44E-04	2.03093812	0.49238329	0.05844156	4	106.5714286	0.79381238	194350	0.11652079
KIAA0040	58	9.39E-04	2.06187625	0.48499516	0.04234725	4	100.4137931	0.78762475	211804	0.11467293
WT1	43	8.99E-04	2.07984032	0.48080614	0.12439024	3	83.75609756	0.78403194	52366	0.09514967
FGF9	45	8.98E-04	2.09680639	0.47691575	0.03636364	4	97.8	0.78063872	123874	0.11493711
ARRB1	51	8.97E-04	2.03892216	0.49045521	0.06352941	4	98.52941176	0.79221557	155014	0.1085025
USP46	65	8.95E-04	2.02195609	0.49457058	0.05432692	4	107.5538462	0.79560878	266128	0.11751156
CDC14A	52	8.82E-04	2.05489022	0.486644	0.06334842	4	101.1730769	0.78902196	161846	0.1137604
FGF1	42	8.74E-04	2.06986028	0.4831244	0.07433217	4	108.9761905	0.78602794	96338	0.12222757
FYN	29	8.71E-04	2.17864271	0.45900137	0.0862069	4	77.75862069	0.76427146	33108	0.09796238
CHL1	51	8.70E-04	2.08283433	0.480115	0.04	4	102.2745098	0.78343313	195982	0.11941498
FNBP1	48	8.50E-04	2.05988024	0.48546512	0.05496454	4	97.875	0.78802395	145128	0.10956185
ERG	51	8.40E-04	2.10778443	0.47443182	0.03294118	4	100.1960784	0.77844311	176782	0.12107367
SLC4A4	56	8.20E-04	2.06087824	0.48523002	0.03441558	4	105.2142857	0.78782435	213484	0.1205665
NELL2	52	7.93E-04	2.06986028	0.4831244	0.05656109	4	98.30769231	0.78602794	160008	0.11209168
BACE1	51	7.78E-04	2.11377246	0.47308782	0.01568627	4	96.07843137	0.77724551	182302	0.11779212
DYRK2	49	7.77E-04	2.02894212	0.49286768	0.06632653	4	106.3469388	0.79421158	170648	0.11587648
SPOCK2	47	7.69E-04	2.0748503	0.48196248	0.05272895	4	94.74468085	0.78502994	132898	0.10840816
SYNJ2	48	7.64E-04	2.08582834	0.47942584	0.04609929	4	96.8125	0.78283433	149550	0.11209397
NEDD9	49	7.62E-04	2.04690619	0.48854217	0.06462585	4	101.3061225	0.79061876	132554	0.11199657
SOX9	46	7.58E-04	2.0489022	0.48806624	0.07149758	4	104.0434783	0.79021956	132962	0.11551482
MARCKS	50	7.51E-04	2.03892216	0.49045521	0.07918367	4	100.7	0.79221557	133922	0.11067107
TRAM2	51	7.46E-04	2.07285429	0.48242658	0.05019608	4	101.0980392	0.78542914	158116	0.11538375
KLHL3	44	7.33E-04	2.16367265	0.46217712	0.02642706	4	92.63636364	0.76726547	140552	0.11848563
TGFBR2	50	7.32E-04	2.03293413	0.49189985	0.08244898	4	108.44	0.79341317	156852	0.11829694
WWC3	41	7.17E-04	2.21556886	0.45135135	0.00731707	4	86.36585366	0.75688623	121636	0.11853929
CREB3L2	50	7.15E-04	2.11477046	0.47286456	0.03833335	4	101.74	0.77704591	168638	0.12259454
RAB31	45	7.14E-04	2.05489022	0.486644	0.05959596	4	99.8	0.78902196	125674	0.11128492
MYLIP	41	7.10E-04	2.06387226	0.48452611	0.06707317	4	100.0243902	0.78722555	117988	0.11231048
ZBTB10	48	7.03E-04	2.01596806	0.4960396	0.06648936	4	114.75	0.79680639	169140	0.12285638
MAN2A2	38	6.93E-04	2.15269461	0.46453408	0.03271693	4	93	0.76946108	101260	0.11554636
KPNA6	54	6.90E-04	2.11377246	0.47308782	0.01956674	4	100.5925926	0.77724551	194766	0.12400753
JARID2	37	6.89E-04	2.0758483	0.48173077	0.05105105	4	95.40540541	0.78483034	78544	0.10780203
TRIB2	32	6.88E-04	2.10379242	0.47533207	0.05241935	4	95.34375	0.77924152	78166	0.11116803
PAFAH1B1	46	6.85E-04	2.22055888	0.45033708	0.00772947	4	93.02173913	0.75588822	146884	0.13065033
THSD7A	57	6.84E-04	2.09281437	0.47782546	0.02756892	4	105.2982456	0.78143713	227278	0.12611758
DACH1	44	6.75E-04	2.0489022	0.48806624	0.05813953	4	111.0909091	0.79021956	140550	0.12318182
APOLD1	53	6.74E-04	2.12175649	0.47130762	0.01814224	4	106.3207547	0.7756487	196040	0.13111688
PTPRN2	35	6.68E-04	2.12275449	0.47108604	0.04369748	4	93.42857143	0.7754491	73382	0.11174756
CEP63	46	6.67E-04	2.07085828	0.48289157	0.06086957	4	103.826087	0.78582834	135722	0.11737655
TNS3	46	6.67E-04	2.03393214	0.49165849	0.09661836	4	109.173913	0.79321357	109908	0.11878375
DST	43	6.57E-04	2.06886228	0.48335745	0.0730897	4	101.3255814	0.78622754	105638	0.11384623
MAP1B	44	6.52E-04	2.1237525	0.47086466	0.0179704	4	99.25	0.7752495	140346	0.12152933
MSR1	51	6.41E-04	2.08682635	0.47919656	0.04705882	4	101.0392157	0.78263473	155780	0.11769282
CAPN2	48	6.33E-04	2.02994012	0.49262537	0.07712766	4	110.7083333	0.79401198	136686	0.11996114
ARHGAP19	48	6.28E-04	2.16167665	0.46260388	0.0141844	4	98.02083333	0.76766467	158200	0.12712141
RBMS1	42	6.25E-04	2.08782435	0.4789675	0.05807201	4	112.3571429	0.78243513	118190	0.12927913
SH3GLB1	53	6.24E-04	2.0259481	0.49359606	0.07910015	4	107.5660377	0.79481038	169694	0.11660459
PTPRD	47	6.23E-04	2.09281437	0.47782546	0.03052729	4	100.7021277	0.78143713	152754	0.11918435
NPR3	52	6.10E-04	2.09281437	0.47782546	0.03846154	4	102.3076923	0.78143713	162360	0.12075558
TIAM1	41	6.09E-04	2.07784431	0.48126801	0.06463415	4	101.2439024	0.78443114	108812	0.11524877
PDGFRA	46	5.99E-04	2.06287425	0.48476052	0.07342995	4	103.7391304	0.78742515	130934	0.11654521
TGFBR3	46	5.98E-04	2.04491018	0.48901903	0.09178744	4	106.5217391	0.79101796	115304	0.11721892
APPBP2	50	5.97E-04	2.20858283	0.45277903	0.00326531	4	97.7	0.75828343	171548	0.13711048
SCAMP1	51	5.94E-04	2.10578842	0.47488152	0.04156863	4	103.6470588	0.77884232	190610	0.12384642
RASGRP3	37	5.94E-04	2.1257485	0.47042254	0.03603604	4	98.2972973	0.7748503	94698	0.11836988
ANKRD28	41	5.93E-04	2.10379242	0.47533207	0.07804878	4	107.0243902	0.77924152	104192	0.12506062
TSPYL4	35	5.92E-04	2.17764471	0.45921173	0.03529412	4	93.71428571	0.76447106	81152	0.11967033
DHCR24	39	5.89E-04	2.06686627	0.48382424	0.07152497	4	99.58974359	0.78662675	96836	0.1113791
SNCA	34	5.83E-04	2.13772455	0.46778711	0.07308378	4	95.47058824	0.77245509	59566	0.11516056
RPS6KA1	20	5.74E-04	2.24251497	0.4459279	0.11578947	4	79.9	0.75149701	16036	0.10784844
ITIH5	42	5.68E-04	2.09481038	0.47737018	0.07084785	4	107.0238095	0.78103792	110034	0.12410818
PDLIM2	38	5.65E-04	2.1746507	0.45984397	0.02987198	4	94.07894737	0.76506986	94108	0.12050396
MID2	48	5.58E-04	2.20455882	0.45359891	0.00432262	4	99.3333333	0.75908184	157726	0.13789683
ALG13	39	5.57E-04	2.24451098	0.44553135	0.00269906	4	90.25641026	0.7510978	104426	0.12928123
SPOCK1	45	5.51E-04	2.06986028	0.4831244	0.06666667	4	114.0222222	0.78602794	149662	0.12868801
MDFIC	46	5.50E-04	2.15868263	0.46324549	0.02028986	4	99.32608696	0.76826347	131616	0.12710537
DLC1	42	5.45E-04	2.05489022	0.486644	0.09639954	4	109.2380952	0.78902196	84408	0.12110882
OLFML2A	45	5.44E-04	2.11377246	0.47308782	0.03333333	4	104.5777778	0.77724551	135676	0.1256668
SIK3	39	5.43E-04	2.13572854	0.4682243	0.01889339	4	98.74358974	0.77285429	115490	0.12150927
EMP2	46	5.33E-04	2.08982036	0.47851003	0.04927536	4	107.1304348	0.78203593	134022	0.12458194
TNFAIP8	27	5.30E-04	2.16966068	0.46090156	0.04843305	4	90.48148148	0.76606786	45198	0.11263889
MPP5	36	5.25E-04	2.16966068	0.46090156	0.02698413	4	107	0.76606786	92780	0.13618926
SYNPO	47	5.24E-04	2.06387226	0.48452611	0.05827937	4	106.1914894	0.78722555	121584	0.11946521
HGF	42	5.21E-04	2.13173653	0.46910112	0.04878049	4	99.47619048	0.77365269	112604	0.12116984
RAI14	34	5.20E-04	2.09481038	0.47737018	0.06060606	4	109.1176471	0.78103792	79744	0.12603095
SOX4	34	5.17E-04	2.13872255	0.46756883	0.05347594	4	91.41176471	0.77225549	73568	0.11061536
TTC39A	34	5.16E-04	2.15269461	0.46453408	0.05882353	4	101.4117647	0.76946108	76502	0.12468267
ITGB3	38	5.13E-04	2.08283433	0.480115	0.07539118	4	110.7368421	0.78343313	87216	0.12543263
CDCP1	40	5.12E-04	2.16167665	0.46260388	0.03333333	4	94.3	0.76766467	99356	0.11868687
CTSB	35	5.09E-04	2.11277445	0.47331129	0.05210084	4	109.8857143	0.77744511	83980	0.12897479
EMCN	47	5.09E-04	2.10778443	0.47443182	0.03792784	4	105.3829787	0.77844311	141284	0.12597582
DAG1	43	5.06E-04	2.09580838	0.47714286	0.05537099	4	104.7674419	0.78083832	106152	0.12203197
SCARB2	44	5.05E-04	2.1237525	0.47086466	0.03065539	4	108.1363636	0.7752495	139432	0.13164036
SLC14A1	35	5.05E-04	2.32335329	0.43041237	0	4	91.51428571	0.73532934	92014	0.1443609
MME	48	5.03E-04	2.05289421	0.48711716	0.08421986	4	110.2916667	0.78942116	131786	0.12234092
LOX	50	5.02E-04	2.09580838	0.47714286	0.03510204	4	110.76	0.78083832	159514	0.13111639
PCSK6	41	4.92E-04	2.09381238	0.47759771	0.05121951	4	107.2195122	0.78123752	112162	0.12439024
ARHGEF3	35	4.87E-04	2.06586826	0.48405797	0.08739496	4	112.9142857	0.78682635	88364	0.1256888
H2AFJ	39	4.86E-04	2.15868263	0.46324549	0.01619433	4	98.61538462	0.76826347	108584	0.12515964
FN1	36	4.79E-04	2.07185629	0.48265896	0.13333333	4	101.3333333	0.78562874	52824	0.11331718
DMD	41	4.72E-04	2.13672655	0.4680056	0.04146341	4	100.097561	0.77265469	108360	0.12219005
CTSV	43	4.72E-04	2.24750499	0.44493783	0	4	97.97674419	0.750499	139426	0.14324482
PDE4DIP	36	4.71E-04	2.07784431	0.48126801	0.05238095	4	112.6944444	0.78443114	97770	0.12763274
SGK1	33	4.61E-04	2.10279441	0.47555766	0.09659091	4	102.5757576	0.77944112	58244	0.11854658

CERS6	44	4.60E-04	2.23253493	0.44792132	0	4	100.3181818	0.75349301	134002	0.1441483
MXRA7	44	4.53E-04	2.11277445	0.47331129	0.0422833	4	104.2272727	0.77744511	122984	0.12446924
MYLK3	46	4.53E-04	2.14171657	0.46691519	0.02415459	4	107.5217391	0.77165669	150652	0.13402623
CDC42EP3	42	4.52E-04	2.0508982	0.48759124	0.12543554	4	115.2619048	0.78982036	92758	0.12683554
THBS2	33	4.52E-04	2.1247505	0.47064349	0.04924242	4	100.2121212	0.7750499	72424	0.1197224
SIRPA	32	4.52E-04	2.12674651	0.47020178	0.0766129	4	101.90625	0.7746507	64478	0.12123808
SPTAN1	15	4.52E-04	2.35429142	0.42475625	0.18095238	4	97.4	0.72914172	10504	0.15296588
ITGA4	38	4.49E-04	2.13473054	0.4684432	0.0341394	4	103.6842105	0.77305389	104460	0.12611657
HECA	41	4.46E-04	2.11477046	0.47286456	0.02682927	4	106.2439024	0.77704591	112984	0.12704594
TES	41	4.46E-04	2.06585826	0.48405797	0.10365854	4	112.8292683	0.78682635	99832	0.12684025
ETS2	31	4.46E-04	2.12075848	0.47152941	0.06666667	4	97.1	0.7758483	55200	0.1144602
GLIPR1	41	4.42E-04	2.11676647	0.47241867	0.05121951	4	107.195122	0.77664671	113538	0.12738095
TLE4	33	4.41E-04	2.09281437	0.47782546	0.08901515	4	101.5151515	0.78143713	61576	0.1162427
SEC14L1	37	4.37E-04	2.13772455	0.46778711	0.05255255	4	94.72972973	0.77245509	75650	0.11476647
BMP7	35	4.35E-04	2.10578842	0.47488152	0.10756303	4	98.74285714	0.77884232	60240	0.11471761
PARD3	34	4.30E-04	2.09481038	0.47737018	0.114082	3	107.8529412	0.78103792	56660	0.12386748
TAL1	35	4.25E-04	2.12075848	0.47152941	0.08235294	4	94.65714286	0.7758483	59510	0.11224975
NOTCH2NL	40	4.19E-04	2.07884232	0.48103697	0.06538462	4	109.7	0.78423154	99912	0.12454545
LEF1	35	4.19E-04	2.08183633	0.48034516	0.14621849	4	105.5428571	0.78363273	54688	0.11929541
STXBP1	36	4.13E-04	2.10578842	0.47488152	0.09365079	4	102.5833333	0.77884232	73138	0.11939912
MAGI2	41	4.12E-04	2.13373253	0.4686623	0.03902439	4	107.4634146	0.77325349	110406	0.13130679
LEPROT	37	4.11E-04	2.17065868	0.46068966	0.01951952	4	95.81081081	0.76586826	93434	0.12254339
ARHGAP28	39	4.10E-04	2.11077844	0.47375887	0.06072874	4	106.0512821	0.77784431	93732	0.12446895
PTGER4	37	4.09E-04	2.10279441	0.47555766	0.05705706	4	108.7297297	0.77944112	94752	0.12693841
TIMP3	42	4.07E-04	2.09580838	0.47714286	0.08362369	4	107.9047619	0.78083832	102008	0.12489654
WIPF1	39	4.06E-04	2.09680639	0.47691575	0.06072874	4	103.2051282	0.78063872	93748	0.11941052
SDC2	29	4.06E-04	2.18562874	0.45753425	0.02955665	4	94.06896552	0.76287425	62960	0.12082331
MAFB	29	4.04E-04	2.10578842	0.47488152	0.07881773	4	103.1034483	0.77884232	50200	0.11923123
MGLL	31	4.04E-04	2.13572854	0.4682243	0.04731183	4	94.41935484	0.77285429	59616	0.11354527
ADAMTSL3	37	4.02E-04	2.11077844	0.47375887	0.05105105	4	103.1621622	0.77784431	85176	0.12136665
SBSPON	36	4.01E-04	2.28742515	0.43717277	0	4	97.80555556	0.74251497	102944	0.14870285
SPON1	32	4.01E-04	2.17165669	0.46047794	0.03830645	4	98.0625	0.76566866	71480	0.12408672
NFATC1	32	3.98E-04	2.12974052	0.46954077	0.04637097	4	97	0.7740519	71238	0.11617338
CACNB2	38	3.98E-04	2.13972056	0.46735075	0.02702703	4	98.68421053	0.77205589	88596	0.12142997
RDX	34	3.98E-04	2.17764471	0.45921173	0.01960784	4	99.32352941	0.76447106	82746	0.12752698
EFEMP1	36	3.94E-04	2.08782435	0.4789675	0.08571429	4	108.5833333	0.78243513	67178	0.12371722
AMIGO2	40	3.94E-04	2.11676647	0.47241867	0.0474359	4	101.25	0.77664671	102894	0.12058473
RAC2	23	3.91E-04	2.250499	0.4682243	0.03557312	4	84.39130435	0.7499002	31666	0.11622305
NEK7	35	3.90E-04	2.10678643	0.47465656	0.05347594	4	103.2058824	0.77864271	77678	0.12050558
JAM3	33	3.89E-04	2.21956088	0.45053957	0.01515152	4	92	0.75608782	81698	0.12554708
LRRC2	35	3.88E-04	2.1247505	0.47064349	0.06890756	4	97.85714286	0.7750499	70600	0.11681779
GHR	35	3.88E-04	2.14471058	0.46626338	0.06386555	4	100	0.77105788	70740	0.12162868
PCDHA1	36	3.87E-04	2.25449102	0.4435591	0.0031746	4	96.66666667	0.7491018	90076	0.13978102
CCSER2	43	3.84E-04	2.24650699	0.4451355	0	4	103.9069767	0.7506986	138076	0.15222926
NFE2L3	29	3.84E-04	2.18662675	0.45732542	0.05172414	4	97.79310345	0.76267465	50454	0.12493369
TSPAN2	40	3.82E-04	2.1497006	0.46518106	0.02692308	4	105.625	0.77005988	100232	0.1321294
TNC	15	3.81E-04	2.24451098	0.44553135	0.11428571	4	104.1333333	0.7510978	14886	0.13975363
RASGRP1	37	3.81E-04	2.10379242	0.47533207	0.04954955	4	101.8378378	0.77924152	86854	0.11868527
VPS13D	37	3.79E-04	2.11477046	0.47286456	0.04354354	4	105.2702703	0.77704591	88822	0.12470309
ALDH1A3	39	3.73E-04	2.16666667	0.46153846	0.04453441	4	101.7435897	0.76666667	92402	0.12830238
IQGAP2	32	3.70E-04	2.12674651	0.47020178	0.07459677	4	104.46875	0.7746507	65740	0.12418155
TLR7	34	3.66E-04	2.30339321	0.43414211	0	4	99.58823529	0.73932136	70386	0.1538038
NLK	31	3.62E-04	2.13972056	0.46735075	0.09462366	4	99.41935484	0.77205589	48844	0.1193781
ZEB1	38	3.58E-04	2.17165669	0.46047794	0.02560455	4	103.5263158	0.76566866	101778	0.13310894
KBTBD11	36	3.55E-04	2.17265469	0.46026642	0.03968254	4	99.63888889	0.76546906	85358	0.12653928
RPL37A	10	3.53E-04	2.47305389	0.40435835	0.2	4	78.7	0.70538922	5544	0.14923954
RPLP0	8	3.52E-04	2.49500998	0.4008	0.17857143	4	103.125	0.700998	4966	0.20147059
HEY1	28	3.49E-04	2.15768463	0.46345976	0.07142857	4	103.5714286	0.76846307	50544	0.1270427
MED21	21	3.48E-04	2.29640719	0.43546284	0.05714286	4	101.1428571	0.74071856	27398	0.14716719
SLC2A10	39	3.48E-04	2.12874251	0.4697609	0.04723347	4	105.4358974	0.7742515	89834	0.12711996
AZIN1	39	3.47E-04	2.10479042	0.47510669	0.07962213	4	112.5897436	0.77904192	91562	0.13085868
TJP1	31	3.47E-04	2.14570858	0.46604651	0.03870968	4	103.6451613	0.77085828	72420	0.12661785
SH2D1A	28	3.46E-04	2.22355289	0.4497307	0.02910053	4	92.85714286	0.75528942	51930	0.12487918
MTSS1	33	3.43E-04	2.12974052	0.46954077	0.04545455	4	108.7575758	0.7740519	77192	0.12992197
PROM1	30	3.40E-04	2.14870259	0.46539712	0.05287356	4	102.8	0.77025948	65056	0.12572597
PTPRC	34	3.37E-04	2.11377246	0.47308782	0.09269162	4	110.2352941	0.77724551	75832	0.12959884
DUSP1	28	3.37E-04	2.0998004	0.47623574	0.14285714	4	108.3571429	0.78003992	38072	0.12430213
ROBO1	34	3.33E-04	2.08782435	0.4789675	0.08199643	4	117.1470588	0.78243513	69596	0.1340394
ZNF185	38	3.33E-04	2.20459082	0.45359891	0.00711238	4	104.1052632	0.75908184	103330	0.14126287
SSBP2	28	3.33E-04	2.1996008	0.45462795	0.06613757	4	92.35714286	0.76007984	36438	0.11935603
EXPH5	39	3.32E-04	2.11277445	0.47331129	0.05937922	4	108.5128205	0.77744511	91410	0.12829627
COL4A3	39	3.30E-04	2.19660679	0.45524761	0.02024291	4	103.5641026	0.76067864	92898	0.1381862
PHACTR4	37	3.29E-04	2.11776447	0.47219604	0.03753754	4	109.0540541	0.77644711	87022	0.13027416
CD28	35	3.27E-04	2.14570858	0.46604651	0.05210084	4	99.97142857	0.77085828	74396	0.12254437
HPGD	37	3.27E-04	2.13872255	0.46756883	0.04954955	4	111.6486487	0.77225549	88256	0.13569477
PTPRO	37	3.27E-04	2.16367265	0.46217712	0.03303303	4	103.1891892	0.76726547	85114	0.13014027
RRM2	35	3.25E-04	2.0988024	0.4764622	0.07731092	4	105.8285714	0.78023952	65694	0.12207192
ATP1A2	33	3.21E-04	2.23652695	0.44712182	0.02840909	4	93	0.75269461	65318	0.12818896
SFRP1	34	3.18E-04	2.10379242	0.47533207	0.07843137	4	107.5	0.77924152	69782	0.12468402
DHRS3	27	3.18E-04	2.13273453	0.46888161	0.06552707	4	108.5185185	0.77345309	39454	0.12914346
NR3C2	30	3.06E-04	2.13672655	0.4680056	0.07816092	4	105.9	0.77265469	69560	0.12704327
CITED2	26	3.05E-04	2.13572854	0.4682243	0.05538462	4	114.6538462	0.77285429	42754	0.13668568
BCAR3	28	2.99E-04	2.10778443	0.47443182	0.06084656	4	115.25	0.77844311	48232	0.13363787
PEA15	30	2.99E-04	2.22654691	0.44912595	0.04137931	4	91.66666667	0.75469062	57640	0.12391304
VAMP1	32	2.98E-04	2.28143713	0.43832021	0.00604839	4	94.5625	0.74371257	70110	0.13920877
VTCN1	32	2.98E-04	2.14570858	0.46604651	0.06451613	4	105.1875	0.77085828	62888	0.12820513
SOBP	34	2.97E-04	2.11576846	0.47264151	0.07130125	4	110.2647059	0.77684631	68142	0.12932882
CAV2	30	2.96E-04	2.27145709	0.44024605	0.01609195	4	95.73333333	0.74570858	61178	0.13713324
HIVEP2	28	2.96E-04	2.10479042	0.47510669	0.05291005	4	114.1428571	0.77904192	55246	0.13155724
LPAR1	34	2.96E-04	2.12175649	0.47130762	0.05525847	4	107.2058824	0.7756487	72128	0.12677725
SMAD6	25	2.93E-04	2.16167665	0.46260388	0.1	4	101.24	0.76766467	26132	0.12423124
C1QTNF3	28	2.91E-04	2.21956088	0.45053957	0.01851852	4	106.9285714	0.75608782	60254	0.14319407
RABL3	33	2.88E-04	2.28043912	0.43851204	0	4	96.72727273	0.74391218	74272	0.14414758
SLC48A1	28	2.88E-04	2.22255489	0.44993264	0.02910053	4	93.03571429	0.75548902	51698	0.12432796
PLA2G4A	26	2.87E-04	2.14171657	0.46691519	0.08	4	106.5769231	0.77165669	41560	0.12818966
GPRC5A	29	2.86E-04	2.1237525	0.47086466	0.0862069	4	108.3103448	0.7752495	46504	0.12745217
PRKAR2B	28	2.81E-04	2.18163673	0.45837145	0.06084656	4	100.25	0.76367265	47600	0.12713559
FRY	26	2.81E-04	2.14371257	0.46648045	0.10153846	4	111.7692308	0.77125749	41540	0.13422198
CORO2B	29	2.79E-04	2.17265469	0.46026642	0.03940887	4	97.68965517	0.76546906	53570	0.1230467
PDE4B	31	2.75E-04	2.10179641	0.47578348	0.09032258	4	114.8064516	0.77964072	52282	0.13238471
VEGFA	29	2.73E-04	2.10479042	0.47510669	0.13300493	4	105.0344828	0.77904192	41156	0.12088829
ATP8A2	29	2.71E-04	2.14271457	0.46669772	0.06403941	4	100.6896552	0.77145709	50512	0.12135599
GRK5	20	2.70E-04	2.16167665	0.46260388	0.06842105	4	116.45	0.76766467	34540	0.14285714
ZFP36L2	24	2.69E-04	2.15269461	0.46453408	0.08333333	4	112.75	0.76946108	40664	0.13675994
CLCC1	31	2.66E-04	2.16866267	0.46111367	0.04516129	4	106.6451613	0.76626747	67330	0.1337391
FOXC1	26	2.63E-04	2.16666667	0.46153846	0.08923077	4	109.0769231	0.76666667	40558	0.13521261
STON1	31	2.62E-04	2.2005988	0.45442177	0.03010753	4	102.4193548	0.75988024	65372	0.13461457
ID4	30	2.62E-04	2.14071856	0.46713287	0.09425287	4	103.7	0.77185629	48796	0.12477912
PDPN	29	2.61E-04	2.19560878	0.45545455	0.07142857	4	95.24137931	0.76087824	45220	0.12324227
ACTN1	24	2.60E-04	2.1756487	0.45963303	0.11956522	4	97.125	0.76487026	18980	0.12119792
RAPGEF3	26	2.59E-04	2.23053892	0.44832215	0.02461538	4	91.57692308	0.75389222	45036	0.12409487
DPP6	23	2.56E-04	2.26047904	0.44238411	0.04347826	4	93.13043478	0.74790419	39748	0.12991258
FBXL7	28	2.54E-04	2.2005988	0.45442177	0.02645503	4	102.5	0.75988024	57248	0.13389337
EIF4B	29	2.53E-04	2.16666667	0.46153846	0.05418719	4	106	0.76666667	45200	0.13182561
GAS1	28	2.53E-04	2.15369261	0.46431881	0.06084656	4	104.9285714	0.76926148	55658	0.128712
TUSC3	33	2.53E-04	2.13373253	0.4686623	0.07765152	4	110.1212121	0.77325349	72174	0.13201644
SPARC	32	2.52E-04	2.15469062	0.46410375	0.05443548	4	100.46875	0.76906188	55074	0.12342211
LARGE1	25	2.52E-04	2.38622754	0.41907152	0	4	85.4	0.72275449	44414	0.14329372
MYO1E	29	2.51E-04	2.15768463	0.46345976	0.04926108	4	107.4137931	0.76846307	50170	0.13238992
GRIK2	28	2.51E-04	2.15169661	0.46474954	0.05026455	4	107.5357143	0.76966068	54668	0.13127295
CTSS	32	2.50E-04	2.17265469	0.46026642	0.04032258	4	106.53125	0.76546906	67236	0.13488723
SLCO2B1	24	2.49E-04	2.18862275	0.45690834	0.05797101	4	103.2083333	0.76227545	43044	0.13143891
WASF3	30	2.48E-04	2.2245509	0.44952894	0.01149425	4	104.4666667	0.75508982	67606	0.14200913
F5	33	2.46E-04	2.11277445	0.47331129	0.08143939	4	112.9393939	0.77744511	56908	0.13174923
TMOD1	29	2.45E-04	2.14670659	0.46582985	0.07881773	4	107.9310345	0.77065868	49148	0.13034233
PLEK	25	2.45E-04	2.27644711	0.43928102	0.02333333	4	96.32	0.74471058	44140	0.13846599
ACTN4	24	2.43E-04	2.12874251	0.4697609	0.11956522	4	115.1666667	0.7742515	27516	0.13604536
SLC16A1	30	2.43E-04	2.13672655	0.4680056	0.06666667	4	109	0.77265469	56790	0.13132045
TIPARP	28	2.43E-04	2.14371257	0.46648045	0.05820106	4	111.25	0.77125749	49604	0.13393934
CSGALNACT2	26	2.42E-04	2.18862275	0.45690834	0.05538462	4	103.6153846	0.76227545	51140	0.13114994
CLU	29	2.41E-04	2.15668663	0.46367422	0.07142857	4	103.3448276	0.76866267	48052	0.12697469
EML1	30	2.40E-04	2.14471058	0.46626338	0.07126437	4	107.5666667	0.77105788	49690	0.13014141
CD55	25	2.39E-04	2.13772455	0.46778711	0.08666667	4	102.88	0.77245509	30098	0.12287081
RNF220	27	2.33E-04	2.13672655	0.4680056	0.07122507	4	108.5925926	0.77265469	44540	0.12978487
FBXO21	29	2.31E-04	2.16467066	0.46196404	0.0591133	4	101.6206897	0.76706587	51766	0.12609367
ZNF91	28	2.29E-04	2.28443114	0.43774574	0.0026455	4	100.5714286	0.74311377	62680	0.14783807
SULF1	31	2.27E-04	2.13872255	0.46756883	0.08172043	4	105.6774194	0.77225549	52162	0.12712787
IL1RL1	27	2.24E-04	2.17964072	0.45879121	0.08262108	4	104.1851852	0.76407186	48502	0.13131313
GABRP	31	2.22E-04	2.26447106	0.44160423	0.02365591	4	99.70967742	0.74710579	61842	0.14242677
SLC26A4	31	2.22E-04	2.27345309	0.43985953	0.00215054	4	101.4516129	0.74530938	69618	0.14781784
USP2	23	2.20E-04	2.1756487	0.45963303	0.11462451	4	100.0434783	0.76487026	26450	0.12437057
KDR	27	2.19E-04	2.17265469	0.46026642	0.08831909	4	97.37037037	0.76546906	35104	0.12148148
TGFBI	27	2.19E-04	2.15269461	0.46453408	0.1025641	4	113.037037	0.76946108	40538	0.13680387
DUSP7	20	2.18E-04	2.22055888	0.45033708	0.06315789	4	93.25	0.75588822	23766	0.12265522
STX2	30	2.17E-04	2.17664671	0.45942228	0.04137931	4	106.7	0.76467066	52168	0.13545918

ENO1	22	2.17E-04	2.14271457	0.46669772	0.07359307	4	122.5454546	0.77145709	33342	0.14666449
CSRP1	32	2.15E-04	2.14570858	0.46604651	0.08266129	4	106	0.77085828	43920	0.12860723
F2R	30	2.13E-04	2.30938124	0.43301642	0	4	100	0.73812375	65012	0.15444618
HABP2	28	2.11E-04	2.14071856	0.46713287	0.09259259	4	116.8571429	0.77185629	52324	0.1410844
GJA1	30	2.11E-04	2.12974052	0.46954077	0.13103448	4	106.7666667	0.7740519	39216	0.1267935
PPFIA4	27	2.10E-04	2.23053892	0.44832215	0.01424501	4	102.1111111	0.75389222	53026	0.13867356
ENPEP	31	2.09E-04	2.17265469	0.46026642	0.04516129	4	107.5806452	0.76546906	56106	0.13581053
ERP44	31	2.08E-04	2.28143713	0.43832021	0.00645161	4	104.8387097	0.74371257	60788	0.15540769
BCL2L2	28	2.07E-04	2.35628743	0.42439644	0	4	91.64285714	0.72874251	53000	0.14810924
NXN	25	2.06E-04	2.15968064	0.46303142	0.10666667	4	105.84	0.76806387	36284	0.1298401
CR1	30	2.04E-04	2.25149701	0.44414894	0.0091954	4	98.7	0.7497006	58316	0.13901515
CBLB	22	2.03E-04	2.1996008	0.45462795	0.11688312	4	105.6363636	0.76007984	33008	0.13537169
C3	6	2.01E-04	2.57684631	0.38807126	0.06666667	4	95.83333333	0.68463074	2428	0.22029321
HBEGF	21	2.01E-04	2.26347305	0.44179894	0.06666667	4	100.6190476	0.74730539	31528	0.13974002
FAXDC2	26	1.97E-04	2.34730539	0.42602041	0	4	91.96153846	0.73053892	41348	0.14530597
DACT1	27	1.95E-04	2.12175649	0.47130762	0.0997151	4	113.5925926	0.7756487	35176	0.13346405
VCAN	27	1.95E-04	2.21856287	0.45074224	0.03988604	4	98.44444444	0.75628743	43974	0.13071605
ITGA3	24	1.94E-04	2.22954092	0.44852283	0.02898551	4	95.66666667	0.75409182	34702	0.12814465
SOCS2	26	1.94E-04	2.15269461	0.46453408	0.08615385	4	108.2307692	0.76946108	30466	0.13132068
RPS5	6	1.93E-04	2.69361277	0.37124861	0.46666667	5	60.83333333	0.66127745	1894	0.17787524
GULP1	27	1.92E-04	2.15369261	0.46431881	0.08831909	4	106.7777778	0.76926148	37674	0.12999097
SHROOM2	24	1.89E-04	2.21457086	0.45155475	0.04710145	4	98.04166667	0.75708583	30726	0.12896301
NPHS1	20	1.87E-04	2.39121756	0.41819699	0.03157895	4	86.4	0.72175649	17772	0.14584041
CD2	21	1.85E-04	2.26846307	0.4408271	0.05714286	4	93.76190476	0.74630739	24404	0.13140446
TRIL	27	1.84E-04	2.25149701	0.44414894	0.01139601	4	105.7407407	0.7497006	49644	0.14809591
BMP2	20	1.84E-04	2.19560878	0.45545455	0.11052632	4	97.2	0.76087824	16358	0.12325286
CA10	26	1.84E-04	2.26347305	0.44179894	0.05230769	4	98.53846154	0.74730539	46002	0.13829902
LAPTM5	22	1.84E-04	2.18662675	0.45732542	0.06060606	4	109.3636364	0.76267465	33178	0.13814956
SLC35F2	25	1.83E-04	2.25249501	0.44395215	0.07666667	4	96.8	0.749501	34776	0.13313103
GALC	27	1.81E-04	2.15568862	0.46388889	0.07977208	4	109.7407407	0.76886228	47746	0.13409493
ZFPM2	24	1.79E-04	2.13572854	0.4682243	0.08695652	4	120.8333333	0.77285429	35592	0.14401633
SASH3	22	1.77E-04	2.32135729	0.43078246	0.004329	4	96.5	0.73572854	39890	0.14616347
LPL	23	1.76E-04	2.21756487	0.45094509	0.07905138	4	108.0434783	0.75648703	33506	0.14163286
TRPC6	24	1.75E-04	2.24451098	0.44553135	0.0615942	4	95.41666667	0.7510978	35856	0.13103448
PNMA2	27	1.75E-04	2.23253493	0.44792132	0.04843305	4	101	0.75349301	47912	0.13630433
CTGF	22	1.75E-04	2.16566866	0.46175115	0.06493506	4	105.9545455	0.76686627	29890	0.13035915
CYBB	28	1.74E-04	2.29141717	0.43641115	0.01587302	4	103.7857143	0.74171657	56356	0.1531522
TSPYL5	25	1.73E-04	2.26646707	0.44121532	0.00666667	4	100.76	0.74670659	46470	0.14433526
ELOVL4	25	1.72E-04	2.22654691	0.44912595	0.03333333	4	110.56	0.75469062	46512	0.14854054
PSIP1	26	1.72E-04	2.22055888	0.45033708	0.05230769	4	102.5384615	0.75588822	40768	0.13633563
CD200	17	1.71E-04	2.29241517	0.43622116	0.03676471	4	105.3529412	0.74151697	25068	0.15174766
RGS2	20	1.70E-04	2.22355289	0.4497307	0.02631579	4	99.05	0.75528942	29208	0.13150868
MYO1B	26	1.69E-04	2.19760479	0.45504087	0.04923077	4	109.9615385	0.76047904	43396	0.14198884
KDELR3	23	1.68E-04	2.26447106	0.44160423	0.05533597	4	98.43478261	0.74710579	23812	0.13861386
CLIP3	25	1.67E-04	2.3742515	0.42118537	0	4	100.08	0.7251497	44272	0.16403974
TCF7L1	20	1.61E-04	2.25648703	0.44316674	0.1	4	86.5	0.74870259	16006	0.11952909
B3GALT2	23	1.60E-04	2.18962076	0.45670009	0.09486166	4	105.5652174	0.76207585	27806	0.13446567
OLFM4	26	1.60E-04	2.19161677	0.45628415	0.06153846	4	113.2307692	0.76167665	52752	0.14477318
FERMT2	22	1.58E-04	2.27944112	0.43870403	0.004329	4	104.6363636	0.74411178	37020	0.15098584
DYNC1I1	22	1.58E-04	2.20359281	0.45380435	0.08658009	4	111.6363636	0.75928144	31420	0.14307387
SLK	25	1.55E-04	2.2744511	0.43966652	0.02666667	4	106.52	0.74510978	39914	0.15109843
GMDS	18	1.53E-04	2.24351297	0.44572954	0.01960784	4	104.5	0.75129741	25210	0.14157951
PCMTD2	24	1.52E-04	2.23552894	0.44732143	0.0326087	4	106	0.75289421	36630	0.14342404
CHN1	18	1.51E-04	2.35928144	0.42385787	0.0130719	4	95.27777778	0.72814371	18670	0.15144231
TMPRSS4	25	1.51E-04	2.24051896	0.44632517	0.05666667	4	102.48	0.75189621	37560	0.13961749
PLPP3	25	1.50E-04	2.36027944	0.42367865	0	4	95.44	0.72794411	40682	0.15558484
PALLD	24	1.49E-04	2.26447106	0.44160423	0.03985507	4	106.0833333	0.74710579	36468	0.14933993
RARRES1	25	1.49E-04	2.19560878	0.45545455	0.1	4	115.28	0.76087824	39006	0.14762516
VIM	20	1.47E-04	2.15169661	0.46474954	0.05789474	4	119.55	0.76966068	27292	0.14471446
LCK	15	1.47E-04	2.36526946	0.42278481	0.22857143	4	76.13333333	0.72694611	4872	0.12209738
FOXD1	19	1.47E-04	2.249501	0.44454303	0.04093567	4	102.4210526	0.7500998	22464	0.1399653
GADD45A	22	1.46E-04	2.19261477	0.45607647	0.08658009	4	101.8181818	0.76147705	22172	0.13006993
ITGBL1	18	1.46E-04	2.249501	0.44454303	0.05228758	4	101.6111111	0.7500998	17908	0.13831889
PLAT	23	1.46E-04	2.1497006	0.46518106	0.10671937	4	116.9565217	0.77005988	25946	0.13990015
EHD3	22	1.44E-04	2.30938124	0.43301642	0.01298701	4	94.40909091	0.73812375	29162	0.14038435
IL7R	17	1.43E-04	2.27245509	0.44005027	0.05147059	4	107.2941177	0.74550898	23472	0.14982262
PAPOLA	28	1.42E-04	2.18063872	0.45858124	0.05291005	4	117.25	0.76387226	44950	0.14852968
ADRA2A	21	1.42E-04	2.26247505	0.44199382	0.02857143	4	102.0952381	0.74750499	30886	0.14185814
EXT2	23	1.41E-04	2.25548902	0.44336283	0.03162055	4	97.26086957	0.7489022	30046	0.13555705
MYOZ2	18	1.41E-04	2.23752495	0.44692239	0.11764706	4	109.1111111	0.75249501	17738	0.14588919
SYNE1	23	1.40E-04	2.20259481	0.45400997	0.09881423	4	113.0869565	0.75948104	36460	0.14563815
IRF8	20	1.39E-04	2.26846307	0.4408271	0.07368421	4	96.3	0.74630739	22436	0.13514085
CTNNBIP1	22	1.39E-04	2.22654691	0.44912595	0.06493506	4	100.5	0.75469062	29816	0.13357576
ITGB2	17	1.38E-04	2.23453094	0.44752121	0.02941176	4	107.7058824	0.75309381	18388	0.14428413
DCN	22	1.36E-04	2.19660679	0.45524761	0.0995261	4	110.1818182	0.76067864	33672	0.14042726
EGF	24	1.36E-04	2.33233533	0.42875481	0.05797101	4	97.75	0.73353293	28840	0.15238654
KIAA0368	13	1.35E-04	2.38423154	0.41942235	0.05128205	4	95.84615385	0.72315369	7604	0.1559864
NQO1	21	1.35E-04	2.11976048	0.47175141	0.13809524	4	131.2380952	0.7760479	27756	0.15250291
VSIG4	13	1.33E-04	2.47205589	0.4045216	0.02564103	4	91.30769231	0.70558882	8710	0.17115021
GADD45B	20	1.33E-04	2.16766467	0.46132597	0.13157895	4	115.3	0.76646707	19236	0.14181034
CYP24A1	24	1.32E-04	2.20858283	0.45277903	0.0942029	4	105.625	0.75828343	31758	0.13683528
FAM13B	26	1.30E-04	2.35828343	0.42403724	0	4	103.1153846	0.72834331	49490	0.16740227
DPYSL3	22	1.30E-04	2.32135729	0.43078246	0.01731602	4	91.31818182	0.73572854	29394	0.13973064
TRAF5	22	1.30E-04	2.23353293	0.44772118	0.05627706	4	103.5	0.75329341	24398	0.13912403
LY86	13	1.30E-04	2.44211577	0.409481	0	4	71	0.71157685	8650	0.12750455
PRKD1	19	1.29E-04	2.18962076	0.45670009	0.0877193	4	124	0.76207585	28554	0.15642905
HMBOX1	21	1.28E-04	2.3003992	0.43470716	0.03809524	4	98.38095238	0.73992016	24096	0.14468864
TNNT2	7	1.28E-04	2.49700599	0.40047962	0.14285714	4	104.8571429	0.7005988	2116	0.20830962
MCM6	17	1.25E-04	2.27744511	0.43908852	0.05147059	4	92.05882353	0.74451098	15134	0.12927883
VDAC1	21	1.24E-04	2.17964072	0.45879121	0.11904762	4	124.2857143	0.76407186	22958	0.15414156
ANXA2	19	1.21E-04	2.15469062	0.46410375	0.14619883	4	132.5263158	0.76906188	18534	0.15948003
CDH11	17	1.20E-04	2.25548902	0.44336283	0.05147059	4	110.7058824	0.7489022	20224	0.15217745
TYRP1	21	1.20E-04	2.22055888	0.45033708	0.05238095	4	114.8571429	0.75588822	34586	0.15116606
TACC2	21	1.19E-04	2.18463074	0.45774326	0.05714286	4	116.0952381	0.76307385	25150	0.1458596
HTRA1	14	1.16E-04	2.28143713	0.43832021	0.05494505	4	114.8571429	0.74371257	13162	0.16174985
DOCK2	15	1.16E-04	2.22055888	0.45033708	0.03809524	4	117.8666667	0.75588822	11802	0.15326371
PLA2R1	24	1.15E-04	2.21357285	0.45175834	0.05072464	4	111.9166667	0.75728543	35600	0.14638014
SFN	16	1.15E-04	2.23253493	0.44792132	0.13333333	4	104.625	0.75349301	11488	0.13859416
SEMA3G	21	1.13E-04	2.29740519	0.43527368	0.03333333	4	97.57142857	0.74051896	27762	0.14243759
IL10RA	16	1.13E-04	2.38922156	0.41854637	0.01666667	4	94.3125	0.72215569	19442	0.15687919
ZNF3D2	19	1.11E-04	2.27345309	0.43985953	0.07602339	4	100.2631579	0.74530938	22904	0.14064698
SFRP4	23	1.11E-04	2.29441118	0.43584167	0.01185771	4	105.7826087	0.74111776	34656	0.15721184
LYZ	17	1.11E-04	2.25449102	0.4435591	0.05147059	4	105.8823529	0.7491018	22542	0.14539554
AP4S1	21	1.11E-04	2.29540918	0.43565217	0.04285714	4	105.952381	0.74091816	27542	0.15375538
PLCG2	9	1.10E-04	2.50798403	0.39872662	0.19444444	4	80.88888889	0.69840319	2750	0.1659808
POGLUT1	23	1.10E-04	2.38323353	0.41959799	0	4	103.5217391	0.72335329	38628	0.17144104
FBXO9	22	1.09E-04	2.35229541	0.42511667	0.01731602	4	94.86363636	0.72954092	29020	0.15127156
FBXO3	18	1.06E-04	2.31836327	0.43133879	0.03267974	4	100.8888889	0.73632735	25268	0.15133233
ARHGAP15	14	1.05E-04	2.24251497	0.4459279	0.01098901	4	129.2142857	0.75149701	17028	0.17416166
CCL5	15	1.04E-04	2.32335329	0.43041237	0.07619048	4	100.8666667	0.73532934	15988	0.15163399
EVI2A	21	1.03E-04	2.34331337	0.42674617	0.02380952	4	100.9047619	0.73133733	29798	0.15802914
CYP3A5	17	1.02E-04	2.28742515	0.43717277	0.06617647	4	112.2941177	0.74251497	22974	0.15991597
NNMT	12	1.01E-04	2.3762475	0.42083158	0.01515152	4	99.16666667	0.7247505	9828	0.1598916
N4BP2L2	19	1.00E-04	2.25548902	0.44336283	0.05263158	4	103.7894737	0.7489022	22894	0.14250454
COLGALT2	20	1.00E-04	2.3992016	0.41680532	0	4	94.75	0.72015968	27140	0.16053082
ZNF804A	17	9.99E-05	2.33033932	0.42912206	0.07352941	4	98.11764706	0.73393214	16810	0.1501762
HS3ST3A1	16	9.96E-05	2.2744511	0.43966652	0.075	4	105.375	0.74510978	16586	0.14767932
SEL1L3	19	9.80E-05	2.28642715	0.4373636	0.0877193	4	96.26315789	0.74271457	18856	0.13800665
ARHGEF10	21	9.79E-05	2.2255489	0.44932735	0.1	4	115.4761905	0.75489022	23192	0.15189159
ARMCX1	13	9.75E-05	2.50499002	0.39920319	0	5	88.61538462	0.699002	11098	0.17418566
CSPP1	21	9.73E-05	2.19560878	0.45545455	0.06190476	4	115.5714286	0.76087824	24640	0.14736329
PLAC8	20	9.72E-05	2.31337325	0.4322692	0.03684211	4	105.45	0.73732535	23984	0.15711078
OGDH	17	9.65E-05	2.23652695	0.44712182	0.11029412	4	110.5294118	0.75269461	13112	0.14674593
SOD2	19	9.61E-05	2.28542914	0.43755459	0.03508772	4	109.0526316	0.74291417	23770	0.15600151
C1QA	8	9.60E-05	2.46706587	0.40533981	0.14285714	4	105.625	0.70658683	2368	0.19756554
RECK	21	9.58E-05	2.33732535	0.42783945	0	4	111.6190476	0.73253493	29904	0.17475363
GTF2A2	21	9.53E-05	2.29840319	0.43508467	0.03809524	4	106.1428571	0.74031936	22996	0.15631164
ISG20	16	9.50E-05	2.25948104	0.44257951	0.075	4	119.3125	0.74810379	16444	0.16405172
ZBTB16	13	9.27E-05	2.33033932	0.42912206	0.11538462	4	97.84615385	0.73393214	8644	0.14846037
SAP18	19	9.25E-05	2.36327345	0.42314189	0.01169591	4	97.21052632	0.72734531	20980	0.15780086
FAM114A1	17	9.19E-05	2.37225549	0.42153976	0	4	97.70588235	0.7255489	20500	0.15853423
CAMSAP2	20	8.97E-05	2.4261477	0.41217606	0	4	99.05	0.71477046	26610	0.17477718
ITGB5	15	8.94E-05	2.25149701	0.44414894	0.07619048	4	115.7333333	0.7497006	15032	0.15703906
AKR1B10	18	8.89E-05	2.29740519	0.43527368	0.05882353	4	108.7222222	0.74051896	21194	0.15806975
FZD2	18	8.89E-05	2.31936128	0.43115318	0.05228758	4	108	0.73612774	22578	0.16255455
ADGRG1	11	8.89E-05	2.6746507	0.3738806	0	4	54.72727273	0.66506986	7062	0.14639584
KLF7	18	8.84E-05	2.15568862	0.46388889	0.11764706	4	129.4444444	0.76886228	18174	0.15599839
CD1C	18	8.69E-05	2.41217565	0.41456351	0.00653595	4	106.1666667	0.71756487	21400	0.18214148
P2RY14	16	8.50E-05	2.26546906	0.44140969	0.11666667	4	127.8125	0.74690619	18422	0.17643499
FBLN1	18	8.46E-05	2.23852295	0.44672314	0.09803922	4	108.3888889	0.75229541	19144	0.14499553
HOXD1	16	8.46E-05	2.24151697	0.44612645	0.15	4	115	0.75169661	16546	0.15402685
HMOX1	13	8.40E-05	2.25848303	0.44277508	0.08974359	4	127.3846154	0.74830339	12414	0.17336552
CAND2	12	8.30E-05	2.53692615	0.39417781	0	4	84.66666667	0.69261477	11110	0.17540182
RGS7	14	8.29E-05	2.26646707	0.44121532	0.02197802	4	127.8571429	0.74670659	14022	0.17722654
CD8A	14	8.26E-05	2.48403194	0.40257131	0	4	83.85714286	0.70319361	12194	0.16278417

MICAL2	15	8.25E-05	2.23453094	0.44752121	0.06666667	4	130.1333333	0.75309381	16880	0.17326203
CCR2	17	8.14E-05	2.38722555	0.41889632	0.00735294	4	97.29411765	0.72255489	18090	0.16095453
HPS5	18	8.10E-05	2.35928144	0.42385787	0.03267974	4	102.9444444	0.72814371	19726	0.16321106
COL1A2	15	8.07E-05	2.24650699	0.4451355	0.04761905	4	108	0.7506986	15868	0.14590683
PPP2R2B	8	8.06E-05	2.58582834	0.38672327	0	4	84.375	0.68283433	4102	0.18863122
CD48	13	7.98E-05	2.29441118	0.43584167	0.11538462	4	108.1538462	0.74111776	7794	0.15550876
RPS6	7	7.76E-05	2.93812375	0.34035326	0.28571429	5	19.42857143	0.61237525	706	0.16645963
UBAP2	13	7.67E-05	2.27944112	0.43870403	0.16666667	4	115.8461539	0.74411178	9982	0.16101423
ADGRG2	18	7.62E-05	2.4261477	0.41217606	0	4	101.7222222	0.71477046	20956	0.17922104
SERPINE2	12	7.59E-05	2.34692014	0.42565845	0.01515152	4	104.8333333	0.73013972	12530	0.1625
AVPI1	15	7.56E-05	2.23852295	0.44672314	0.16190476	4	125.4666667	0.75229541	11350	0.16626826
GOLIM4	12	7.55E-05	2.31936128	0.43115318	0.04545455	4	110.0833333	0.73612774	10306	0.16258049
RASL11B	17	7.51E-05	2.25449102	0.4435591	0.13970588	4	111.8235294	0.7491018	13414	0.15247572
KRT19	10	7.40E-05	2.42714571	0.41200658	0.02222222	4	109.4	0.71457086	8010	0.18788927
TM2D1	13	7.33E-05	2.33133733	0.42893836	0.03846154	4	107	0.73373253	13782	0.16228893
MOXD1	18	7.31E-05	2.24151697	0.44612645	0.05228758	4	122	0.75169661	21196	0.16396761
NME7	16	7.29E-05	2.250499	0.4443459	0.1	4	118.625	0.7499002	14372	0.16123806
SPP1	13	7.26E-05	2.22055888	0.45033708	0.15384615	4	122.9230769	0.75588822	7332	0.15964789
NES	11	7.23E-05	2.38223553	0.41977377	0.09090909	4	96.45454545	0.72355289	6872	0.15613932
CD24	16	7.13E-05	2.47005988	0.40484848	0	4	85.4375	0.70598802	15534	0.16083333
TRAF3IP3	13	7.08E-05	2.27345309	0.43985953	0.16666667	4	113.8461539	0.74530938	7736	0.1581256
BTG3	13	7.02E-05	2.34431138	0.4265645	0.07692308	4	107.3076923	0.73113772	12238	0.16463198
ATP10A	11	6.91E-05	2.32934132	0.42930591	0.14545455	4	111.4545455	0.73413174	6852	0.16619106
MYO5C	15	6.91E-05	2.31337325	0.4322692	0.06666667	4	104	0.73732535	11366	0.15429707
NPHS2	12	6.79E-05	2.41516966	0.41404959	0.03030303	4	92	0.71696607	7408	0.159395
NTNG1	16	6.77E-05	2.32834331	0.42948993	0.05833333	4	106.0625	0.73433134	15150	0.16156202
C7	16	6.70E-05	2.40518962	0.41576763	0	4	105.375	0.71896208	20964	0.1775085
COL6A3	12	6.70E-05	2.34530938	0.42638298	0.12121212	4	102	0.73093812	10092	0.15822949
GPR183	11	6.65E-05	2.35728543	0.42421677	0.03636364	4	104.7272727	0.72854291	7622	0.16507937
SLC6A8	15	6.57E-05	2.37225549	0.42153976	0.01904762	4	106.4666667	0.7255489	13232	0.1698821
DDN	15	6.48E-05	2.48003992	0.40321932	0	4	92	0.70399202	14716	0.17366412
CD53	15	6.38E-05	2.30838323	0.43320363	0.05714286	4	105.6	0.73832335	13202	0.15542406
F3	14	6.34E-05	2.30538922	0.43376623	0.12087912	4	113.4285714	0.73892216	9456	0.16603734
PAWR	15	6.33E-05	2.22954092	0.44852283	0.15238095	4	128.8666667	0.75409182	10674	0.16992945
TEK	15	6.32E-05	2.28043912	0.43851204	0.08571429	4	100	0.74391218	9930	0.1412766
GPR171	15	6.16E-05	2.38123752	0.41994971	0.02857143	4	102.5333333	0.7237525	13616	0.16737822
MRPS12	5	6.14E-05	2.88123752	0.34707309	0.5	5	51.4	0.6237525	936	0.28241758
TYRO3	17	6.01E-05	2.22754491	0.44892473	0.08088235	4	120.5294118	0.75449102	15170	0.15917413
KLC1	13	5.96E-05	2.30638723	0.43357854	0.12820513	4	121.1538462	0.73872255	11100	0.17550519
FYB	10	5.91E-05	2.32934132	0.42930591	0.15555556	4	120.7	0.73413174	6586	0.1814759
CXCL6	15	5.89E-05	2.37125749	0.42171717	0.03809524	4	105.5333333	0.7257485	14362	0.17017828
FAM98A	16	5.81E-05	2.36626747	0.4226065	0.03333333	4	101.125	0.72674651	15660	0.16252023
MS4A6A	18	5.76E-05	2.37225549	0.42153976	0.04575163	4	112.0555556	0.7255489	18292	0.18248773
ARHGEF40	13	5.66E-05	2.44810379	0.40847941	0.02564103	4	98.92307692	0.71037924	11804	0.17878661
COL15A1	19	5.60E-05	2.21956088	0.45053957	0.16374269	4	127.2631579	0.75608782	18454	0.16600247
RFC1	18	5.60E-05	2.31636727	0.43171047	0.07843137	4	110.5555556	0.73672655	19570	0.16508649
PLTP	11	5.57E-05	2.30239521	0.4343303	0.16363636	4	132.7272727	0.73952096	6950	0.19043887
HS3ST1	14	5.51E-05	2.30938124	0.43301642	0.05494505	4	117.7142857	0.73812375	16054	0.17406071
RAPGEF4	16	5.50E-05	2.31137725	0.43264249	0.05	4	115.5625	0.73772455	14612	0.16980088
BCAM	15	5.49E-05	2.37325349	0.42136249	0.02857143	4	102.8666667	0.7253493	14068	0.16743169
TKT	8	5.42E-05	2.42215569	0.41285538	0	4	119.625	0.71556886	7292	0.20523356
NAP1L3	12	5.30E-05	2.4500998	0.40814664	0.03030303	4	96.83333333	0.70998004	8632	0.17662377
TACSTD2	12	5.28E-05	2.3992016	0.41680532	0.07575758	4	92.91666667	0.72015968	8380	0.15560224
ANKMY2	15	5.27E-05	2.47704591	0.40370669	0	4	104.4	0.70459082	16766	0.19363296
PRSS16	18	5.19E-05	2.33233533	0.42875481	0.04575163	4	118.7222222	0.73353293	16968	0.18076792
FANCL	12	5.19E-05	2.30538922	0.43376623	0.03030303	4	122.9166667	0.73892216	10770	0.17860624
KRT7	14	5.19E-05	2.39121756	0.41819699	0.0989011	4	109.7142857	0.72175649	10122	0.18263258
PAMR1	16	5.13E-05	2.20658683	0.4531886	0.11666667	4	126.0625	0.75868263	12656	0.16133163
MTHFD2	13	5.04E-05	2.3243513	0.43022757	0.05128205	4	118.3076923	0.73512974	11852	0.17683068
CDC42EP2	11	5.02E-05	2.38323353	0.41959799	0.01818182	4	106.6363636	0.72335329	10864	0.17432979
MGAT5	10	5.00E-05	2.33932136	0.4274744	0.06666667	4	130.7	0.73213573	10034	0.19892966
CPVL	11	4.99E-05	2.30638723	0.43357854	0.16363636	4	134	0.73872255	11146	0.1942389
PSMD11	9	4.96E-05	2.49401198	0.40096038	0	4	91.88888889	0.7011976	2726	0.18177778
RYR3	16	4.94E-05	2.29740519	0.43527368	0.125	4	110.0625	0.74051896	12162	0.15909913
NEU1	10	4.93E-05	2.40319361	0.41611296	0.11111111	4	102.8	0.71936128	4784	0.17145242
BLNK	6	4.91E-05	2.54391218	0.39309533	0.06666667	4	101.6666667	0.69121756	1470	0.2167382
ST3GAL6	13	4.90E-05	2.29241517	0.43622116	0.03846154	4	125.6153846	0.74151697	11424	0.17945039
NRIP2	14	4.79E-05	2.500998	0.39984038	0	4	91.64285714	0.6998004	12528	0.17878276
FMO3	14	4.78E-05	2.36327345	0.42314189	0.06593407	4	108.2857143	0.72734531	13748	0.17328893
FCMR	16	4.76E-05	2.42015968	0.41319588	0	4	104.4375	0.71596806	16022	0.18115149
CPEB1	15	4.73E-05	2.32934132	0.42930591	0.03809524	4	115.2666667	0.73413174	13324	0.17373737
KCND3	12	4.49E-05	2.31437126	0.43208279	0.03030303	4	123.3333333	0.73712575	9766	0.18187438
PCOLCE2	13	4.46E-05	2.24151697	0.44612645	0.14102564	4	135.3846154	0.75169661	10806	0.17996517
CCDC91	14	4.43E-05	2.40918164	0.41507871	0.05494505	4	105.7857143	0.71816367	11430	0.17924069
LUM	10	4.43E-05	2.4261477	0.41217606	0.13333333	4	108.7	0.71477046	4978	0.18786828
APOD	10	4.42E-05	2.31037924	0.43282937	0.04444444	4	123.5	0.73792415	7528	0.18058824
KCNJ8	10	4.41E-05	2.44111776	0.40964841	0.04444444	4	98.8	0.71177645	5466	0.17803993
UCP2	11	4.39E-05	2.38223553	0.41977377	0	4	112.7272727	0.72355289	8606	0.1840647
MANSC1	10	4.39E-05	2.44610778	0.40881273	0	4	109.6	0.71077844	11942	0.19187279
BZW2	12	4.37E-05	2.28642715	0.4373636	0.07575758	4	133.1666667	0.74271457	9678	0.18898386
SHMT2	13	4.27E-05	2.33233533	0.42875481	0.08974359	4	116.2307692	0.73353293	10016	0.17496229
CDKN1C	10	4.26E-05	2.58882236	0.38627602	0.13333333	4	66.5	0.68223553	2992	0.1620098
IGFBP1	12	4.26E-05	2.33732535	0.42783945	0.13636364	4	101.75	0.73253493	5086	0.15483461
ZNF211	11	4.13E-05	2.56387226	0.39003503	0.03636364	5	100.0909091	0.68722555	9688	0.21096313
CLDN5	8	4.11E-05	2.55289421	0.39171228	0.07142857	5	76.5	0.68942116	2532	0.16814159
COL4A6	11	4.10E-05	2.49401198	0.40096038	0	4	99.18181818	0.7011976	9290	0.18954019
ADH1B	13	4.08E-05	2.50898204	0.39856802	0	4	94.84615385	0.69820359	11756	0.18620269
GPX1	10	4.04E-05	2.3502994	0.42547771	0.02222222	4	119.1	0.72994012	5686	0.18426791
GCNT3	12	4.04E-05	2.34231537	0.42692799	0.07575758	4	106.75	0.73153693	7760	0.16460268
TSPAN1	12	4.00E-05	2.31037924	0.43282937	0.07575758	4	118.0833333	0.73792415	8472	0.17266275
EVI2B	12	3.99E-05	2.30838323	0.43320363	0.12121212	4	118.5833333	0.73832335	7196	0.17262774
CRIP1	7	3.97E-05	2.59381238	0.3855329	0.04761905	4	86.85714286	0.68123752	2920	0.20268908
MSH5	9	3.97E-05	2.41417166	0.41422075	0	4	119.6666667	0.71716567	5434	0.20424555
RRAS	8	3.91E-05	2.41716567	0.41370768	0.03571429	4	128.5	0.71656687	5634	0.21763203
NDN	13	3.86E-05	2.43912176	0.40998363	0.06410256	4	107.7692308	0.71217565	11018	0.18978897
ALDH1A1	12	3.83E-05	2.40219561	0.41628583	0.10606061	4	109.25	0.71956088	9856	0.1832211
APOBEC3B	9	3.82E-05	2.4510978	0.40798046	0.02777778	4	109.5555556	0.70978044	4832	0.19995915
COL4A5	11	3.73E-05	2.5489022	0.39232576	0	4	92.72727273	0.69021956	9704	0.19311005
TUBA1B	8	3.73E-05	2.43712575	0.41031941	0.07142857	4	117.875	0.71257485	4124	0.20752212
PNN	13	3.70E-05	2.43213573	0.41116126	0.02564103	4	102.7692308	0.71357285	9508	0.18246869
FAM134B	10	3.59E-05	2.44211577	0.409481	0	4	111.5	0.71157685	7298	0.20054446
KLK7	13	3.48E-05	2.58682635	0.38657407	0	4	92.38461538	0.68263473	7762	0.20828541
SERINC1	14	3.47E-05	2.39121756	0.41819699	0.06593407	4	103.8571429	0.72175649	9942	0.17283803
ABCA8	14	3.45E-05	2.31337325	0.4322692	0.10989011	4	117.1428571	0.73732535	9340	0.1728656
GOS2	10	3.44E-05	2.55988024	0.39064327	0.13333333	4	85.6	0.68802395	3932	0.19125561
WFS1	7	3.15E-05	2.49800399	0.40031962	0.04761905	4	109.1428571	0.7003992	3498	0.21095053
HOMER3	6	3.07E-05	2.75349301	0.36317506	0	4	70.83333333	0.6493014	2906	0.21355759
KLK6	10	3.07E-05	2.53093812	0.39511041	0.02222222	4	97.1	0.69381238	6958	0.19814815
IFI30	8	2.95E-05	2.53393214	0.39464356	0.03571429	4	97.875	0.69321357	4282	0.20490506
NAP1L2	12	2.94E-05	2.5499002	0.39217221	0	5	92.66666667	0.69001996	9512	0.19379845
HIST1H2BK	10	2.94E-05	2.48203593	0.40289505	0.06666667	4	105.3	0.70359281	4188	0.20330097
MUC1	10	2.92E-05	2.36427146	0.42296328	0.08888889	4	113.8	0.72714571	3736	0.18402175
PFN1	10	2.88E-05	2.43512974	0.41065574	0.11111111	4	104.3	0.71297405	3638	0.18653501
VILL	8	2.86E-05	2.43113772	0.41133005	0.03571429	4	119.75	0.71377246	4954	0.2084063
TCN2	10	2.86E-05	2.36526946	0.42278481	0.13333333	4	117.4	0.72694611	4874	0.18427673
SST	9	2.81E-05	2.57684631	0.38807126	0	4	99.88888889	0.68463074	7056	0.21497585
TNFRSF11B	11	2.80E-05	2.48502994	0.40240964	0.03636364	4	113.4545455	0.70299401	8798	0.21512838
CAPG	7	2.70E-05	2.44710579	0.408646	0	5	146.7142857	0.71057884	5584	0.26020408
C1QB	6	2.70E-05	2.6746507	0.3738806	0.26666667	4	82.83333333	0.66506986	1608	0.23686724
PRR5	7	2.69E-05	2.44311377	0.40931373	0.04761905	4	120.4285714	0.71137725	1960	0.2149269
MYL9	8	2.68E-05	2.42814371	0.41183724	0.10714286	4	113.25	0.71437126	3018	0.19630435
OGDHL	10	2.60E-05	2.6497006	0.37740113	0	4	79.8	0.67005988	5282	0.20153453
ALOX5	10	2.58E-05	2.42814371	0.41183724	0.04444444	4	111.7	0.71437126	5706	0.19355401
CHI3L1	12	2.56E-05	2.29540918	0.43565217	0.1969697	4	123.75	0.74091816	5062	0.17666667
CETN3	9	2.54E-05	2.45808383	0.40682095	0.05555556	4	109.7777778	0.70838323	4948	0.20205761
TBXA2R	8	2.54E-05	2.47305389	0.40435835	0.14285714	4	95.625	0.70538922	2432	0.18247126
HLA-DPA1	11	2.46E-05	2.56487026	0.38988327	0.01818182	4	102.6363636	0.68702595	7186	0.21345531
P3H2	11	2.43E-05	2.51596806	0.39746132	0	4	107	0.69680639	8692	0.21370968
ADGRF5	12	2.30E-05	2.50998004	0.39840954	0	4	114.5	0.69800399	9332	0.22564612
CRHBP	7	2.29E-05	2.59181637	0.3858298	0	4	89.14285714	0.68163673	2672	0.21086808
MMP7	7	2.26E-05	2.72954092	0.36636197	0	4	96.28571429	0.65409182	2416	0.29591837
LIMS2	8	2.25E-05	2.67964072	0.37318436	0	4	78.75	0.66407186	3854	0.2078877
FCGR1B	8	2.21E-05	2.48502994	0.40240964	0.14285714	4	115.75	0.70299401	5068	0.22490253
MXRA8	9	2.13E-05	2.43013972	0.41149897	0.02777778	4	120.5555556	0.71397206	4314	0.21013645
HOPX	9	2.06E-05	2.4510978	0.40798046	0.11111111	4	113.2222222	0.70978044	5366	0.2015873
CLEC4A	9	2.00E-05	2.54391218	0.39309533	0.05555556	4	112.7777778	0.69121756	5004	0.24478409
ST14	11	1.96E-05	2.30139721	0.43451865	0.16363636	4	142.5454546	0.73972056	4516	0.20421985
OLFML3	9	1.96E-05	2.41217565	0.41456351	0.08333333	4	116.6666667	0.71756487	3886	0.19969454
VWF	7	1.89E-05	2.48103792	0.40305712	0.14285714	5	112.5714286	0.70379242	1690	0.21360544
ZNF415	10	1.87E-05	2.44211577	0.409481	0.02222222	4	117.2	0.71157685	5636	0.20785714
SGCE	8	1.86E-05	2.44011976	0.40981595	0.03571429	4	115.75	0.71197605	2698	0.20609319
NELL1	7	1.86E-05	2.59281437	0.38568129	0	4	94	0.68143713	3318	0.21933962
LDB2	8	1.77E-05	2.45708583	0.40698619	0.21428571	4	107	0.70858283	1628	0.19842007
PLCE1	9	1.77E-05	2.29341317	0.43603133	0.11111111	4	161.4444444	0.74131737	4218	0.23032904
SYBU	10	1.75E-05	2.62974052	0.38026565	0	4	98.6	0.6740519	5730	0.23921569

SLC31A2	10	1.75E-05	2.52894212	0.39542226	0	4	108.8	0.69421158	5544	0.22318841
AGR2	8	1.75E-05	2.40319361	0.41611296	0.03571429	4	125.5	0.71936128	3576	0.20966387
WISP3	9	1.74E-05	2.40818363	0.41525073	0.16666667	4	113.4444444	0.71836327	2038	0.19190207
TAC1	9	1.66E-05	2.53293413	0.39479905	0.02777778	4	105.6666667	0.69341317	4374	0.21626575
ZBED8	10	1.65E-05	2.64271457	0.37839879	0	5	94.4	0.67145709	5164	0.23004926
CSF1R	9	1.62E-05	2.53193613	0.39495467	0.05555556	4	102.8888889	0.69361277	4062	0.21296296
NPR1	9	1.62E-05	2.61976048	0.38171429	0	4	99.66666667	0.6760479	5192	0.22839506
TNNC1	4	1.61E-05	2.82834331	0.35356387	0.16666667	4	47.75	0.63433134	216	0.25819672
PTGDS	6	1.60E-05	2.43612774	0.41048751	0	4	135	0.71277445	1960	0.23674912
GPNMB	9	1.59E-05	2.40419162	0.41594022	0.02777778	4	124.4444444	0.71916168	5016	0.20784314
SLC22A7	8	1.55E-05	2.56786427	0.38942868	0	5	102.75	0.68642715	4400	0.21331237
SERPINA3	6	1.51E-05	2.56786427	0.38942868	0.06666667	4	113.1666667	0.68642715	2028	0.25452489
MS4A4A	9	1.50E-05	2.66267465	0.37556222	0	4	93.66666667	0.66746507	3712	0.24514991
MPDZ	8	1.50E-05	2.55688623	0.3911007	0.14285714	4	91.875	0.68862275	1296	0.20701357
LARP7	4	1.49E-05	2.73952096	0.36502732	0.16666667	5	84.25	0.65209581	354	0.28780069
HLA-DQB1	7	1.48E-05	2.64770459	0.37768564	0	4	90	0.67045908	2844	0.23421053
BEX4	8	1.47E-05	2.71457086	0.36838235	0	5	90.625	0.65708583	4536	0.24288618
KANK3	6	1.42E-05	2.71556886	0.36824697	0	4	87.5	0.65688623	2246	0.25145349
ZNF423	9	1.37E-05	2.46307385	0.40599676	0.11111111	4	108.1111111	0.70738523	4452	0.19975263
FKBP11	5	1.35E-05	2.58682635	0.38657407	0.2	4	109.6	0.68263473	1478	0.25754717
BST1	7	1.32E-05	2.55389222	0.3915592	0.04761905	4	109.5714286	0.68922156	2938	0.23767935
ACTA2	3	1.31E-05	2.83433134	0.3528169	0	4	88.33333333	0.63313373	336	0.36849508
SLC22A2	8	1.26E-05	2.39221557	0.41802253	0.10714286	4	125.25	0.72155689	2504	0.20504926
MRC1	8	1.24E-05	2.67365269	0.37402016	0	4	105.75	0.66526946	4182	0.26253133
UGGT2	5	1.23E-05	2.65568862	0.37655017	0	5	96.4	0.66886228	1454	0.25783784
LTB	4	1.22E-05	2.67864271	0.3733234	0	4	102.5	0.66427146	856	0.29852941
TPPP3	7	1.21E-05	2.41816367	0.41353694	0.33333333	4	132.4285714	0.71636727	1840	0.22535897
PHYHIP	9	1.18E-05	2.42814371	0.41183724	0.13888889	4	128.1111111	0.71437126	2874	0.22358197
JAKMIP2	8	1.14E-05	2.50598802	0.39904421	0.03571429	4	110.75	0.6988024	3442	0.21611002
HSPA2	7	1.11E-05	2.58582834	0.38672327	0.04761905	4	97.71428571	0.68283433	2620	0.23205742
CDC20	3	1.07E-05	2.87025948	0.34840056	0.33333333	4	60	0.6259481	160	0.3530572
CPA3	6	1.06E-05	2.5988024	0.38479263	0.13333333	4	103.6666667	0.68023952	1516	0.24919485
JCHAIN	7	9.21E-06	2.69261477	0.37138621	0	4	95.71428571	0.66147705	3108	0.26164167
UBD	7	9.08E-06	2.52794411	0.39557837	0.04761905	4	113	0.69441118	2906	0.23639098
SERPINF1	5	8.59E-06	2.51796407	0.39714625	0	4	148.6	0.69640719	1252	0.29579158
CST6	5	8.41E-06	2.81337325	0.35544519	0	4	68.4	0.63732535	1064	0.25530303
NCF1	5	8.28E-06	2.68662675	0.37221397	0.2	4	80.2	0.66267465	542	0.2462963
FKBP1B	5	8.21E-06	2.63772455	0.37911464	0	4	108.2	0.67245509	1540	0.27002519
CAPN3	7	8.11E-06	2.45708583	0.40698619	0.23809524	4	128.5714286	0.70858283	2116	0.22959184
IL13RA2	6	7.97E-06	2.59680639	0.38508839	0.13333333	4	118.6666667	0.68063872	1784	0.27935382
CFB	3	7.77E-06	2.87125749	0.34827946	0.33333333	4	65	0.6257485	174	0.35144928
PLBD1	6	6.99E-06	2.69860279	0.37056213	0.13333333	4	100	0.66027944	1682	0.27793296
TAGLN	4	6.84E-06	2.68762475	0.37207575	0	4	109.75	0.66247505	1174	0.3125
GLT8D1	5	6.52E-06	2.52095808	0.39667458	0	4	139.4	0.69580838	1344	0.28016194
CDH10	5	6.25E-06	2.64071856	0.37868481	0.1	4	95.2	0.67185629	654	0.25159574
TMSB15B	5	6.15E-06	2.59281437	0.38568129	0.2	4	109.6	0.68143713	1126	0.25815603
KYAT1	5	6.13E-06	2.77644711	0.36017254	0	4	91.6	0.64471058	1670	0.30505051
HRG	5	6.03E-06	2.83333333	0.35294118	0	4	93.2	0.63333333	1488	0.31254237
CCL19	4	6.01E-06	2.73652695	0.3654267	0	4	87.5	0.65269461	676	0.29623288
CD163	6	5.98E-06	2.5	0.4	0.13333333	4	118.6666667	0.7	1452	0.23586161
REG1A	6	5.81E-06	2.60978044	0.383174	0.06666667	4	100.3333333	0.67804391	1688	0.24609053
WFDC2	4	5.62E-06	2.69261477	0.37138621	0	4	99.5	0.66147705	606	0.28970588
CLEC10A	5	5.60E-06	2.749501	0.36370236	0	5	111.6	0.6500998	1906	0.3030137
TPM2	5	5.17E-06	2.59181637	0.3858298	0.1	4	109.8	0.68163673	856	0.25938242
CD52	4	4.91E-06	2.63872255	0.37897126	0.33333333	4	121	0.67225549	890	0.31363636
ITGA8	5	4.65E-06	2.63672655	0.37925814	0	4	116.6	0.67265469	844	0.30341207
FCER1A	6	4.56E-06	2.47305389	0.40435835	0.2	4	146.8333333	0.70538922	782	0.27851711
LHFP	6	4.41E-06	2.39121756	0.41819699	0.06666667	4	182.5	0.72175649	850	0.2985769
TCEAL9	5	4.39E-06	2.71956088	0.36770642	0	4	108	0.65608782	1600	0.31195335
PPIB	6	4.35E-06	2.51397206	0.3977769	0.26666667	4	129.1666667	0.69720559	484	0.26488706
TUG1	5	4.21E-06	2.44411178	0.40914659	0	4	180.6	0.71117764	726	0.32071429
DYX1C1	3	4.00E-06	2.75349301	0.36317506	0	4	105	0.6493014	378	0.37545126
TRIM16	5	3.96E-06	2.62275449	0.38127854	0	4	118	0.6754491	584	0.3046875
CKLF	4	3.90E-06	2.65668663	0.37640872	0	4	115.5	0.66866267	594	0.31456044
CETP	5	3.55E-06	2.55788423	0.39094811	0.3	4	118.2	0.68842315	602	0.2616408
AIF1	4	3.30E-06	2.71956088	0.36770642	0	4	104	0.65608782	808	0.31212121
GZMK	4	3.27E-06	2.84131737	0.35194942	0	5	85	0.63173653	488	0.3800905
GZMA	3	3.25E-06	2.81237525	0.35557133	0	4	86.33333333	0.63752495	348	0.35704324
TDO2	4	3.22E-06	2.65768463	0.37626737	0.33333333	4	121.25	0.66846307	914	0.31185567
ZDHHC6	4	3.18E-06	2.77644711	0.36017254	0	4	103.75	0.64471058	1156	0.34023179
MEIS3P1	3	2.97E-06	2.93812375	0.34035326	0	5	85	0.61237525	498	0.38709677
ZNF124	4	2.91E-06	2.7754491	0.36030205	0	4	106.5	0.64491018	1160	0.34032258
TMEM45A	4	2.61E-06	2.66167665	0.37570304	0.33333333	4	119.5	0.66766467	790	0.31715426
RAMP3	4	2.53E-06	2.90518962	0.34421161	0	4	77.75	0.61896208	554	0.33081897
NDNF	4	2.49E-06	2.77345309	0.36056135	0	5	112.75	0.64530938	944	0.34174312
SNORD96A	2	2.19E-06	3.000998	0.33322248	0	5	92	0.5998004	234	0.52601156
RNASE6	4	2.13E-06	2.72854291	0.36649598	0	4	103	0.65429142	436	0.34931507
CORO1A	3	1.91E-06	2.75548902	0.36291199	0	4	111.6666667	0.6489022	244	0.38967136
SSB	2	1.67E-06	2.84431138	0.35157895	0	4	93.5	0.63113772	44	0.51966292
NXF3	3	1.62E-06	2.74850299	0.36383442	0	4	120.6666667	0.6502994	342	0.39624724
LTF	3	1.59E-06	2.8502994	0.35084034	0	4	108.3333333	0.62994012	150	0.50868878
AP1M2	3	1.58E-06	2.74550898	0.36423119	0	4	112.6666667	0.6508982	286	0.38242009
GPR18	3	1.56E-06	2.83532934	0.35269271	0	5	114	0.63293413	428	0.40501792
IFIT1	3	1.27E-06	2.67165669	0.37429959	0	4	137.6666667	0.66566866	218	0.38825758
ARF5	3	1.07E-06	2.73952096	0.36502732	0.66666667	4	105	0.65209581	176	0.36458333
MIR22	2	6.90E-07	2.75349301	0.36317506	0	4	151.5	0.6493014	102	0.55330882
CFAP45	2	5.50E-07	2.99101796	0.33433433	0	5	102	0.60179641	172	0.55191257
TLR1	2	5.30E-07	2.6746507	0.3738806	0	5	211	0.66506986	130	0.56756757
SYNE3	3	4.90E-07	2.99600798	0.33377748	0	5	106.3333333	0.6007984	210	0.57559199
HLA-DRA	2	3.30E-07	2.93113772	0.34116445	0	5	114.5	0.61377246	128	0.55637255
FAM153C	3	2.80E-07	2.82734531	0.35368867	0.66666667	4	95	0.63453094	16	0.42792793
ANXA2P2	2	1.90E-07	2.89620758	0.34527912	0	4	129.5	0.62075848	46	0.74709302
LOC728392	2	1.90E-07	2.89620758	0.34527912	0	4	129.5	0.62075848	46	0.74709302
TYROBP	1	0	3.26247505	0.30651575	0	5	102	0.54750499	0	0
TCEAL2	1	0	3.59281437	0.27833333	0	5	28	0.48143713	0	0
CASP1	1	0	3.64770459	0.27414501	0	5	5	0.47045908	0	0
STN1	1	0	3.26846307	0.3059542	0	5	23	0.54630739	0	0
LOC730101	1	0	3.50798403	0.28506401	0	5	105	0.49840319	0	0
IGKC	1	0	2.97105788	0.33658045	0	4	131	0.60578842	0	0
RARRES3	1	0	3.05588822	0.3272371	0	5	126	0.58882236	0	0
CD3D	1	0	3.23952096	0.30868762	0	5	107	0.55209581	0	0
ZNF204P	1	0	3.23952096	0.30868762	0	5	107	0.55209581	0	0

Kinases										
kinase	Degree	BetweennessCentrality	AverageShortestPathLength	ClosenessCentrality	ClusteringCoefficient	Eccentricity	NeighborhoodConnectivity	Radiality	Stress	TopologicalCoefficient
MAPK1	100	0.00695297	1.92714571	0.51890212	0.1010101	4	90.06	0.81457086	448464	0.09235897
PRKCA	82	0.00358704	2.01596806	0.4960396	0.03372478	4	86.7804878	0.79680639	399534	0.09758847
HIPK2	88	0.00256965	1.97005988	0.50759878	0.03982892	4	95.59770115	0.80598802	467870	0.10209601
GSK3B	74	0.00254918	1.97105788	0.50734177	0.10514624	3	96.43243243	0.80578842	238874	0.10076534
CDK6	83	0.00203065	2.04690619	0.48854217	0.01528063	4	97.48192771	0.79061876	450412	0.11591887
CDK2	40	0.00191685	2.05489022	0.486644	0.15769231	4	99.125	0.78902196	64606	0.1091685
MAPK14	52	0.0018014	2.01097804	0.49727047	0.15082956	4	89.61538462	0.79780439	94288	0.09541656
RPS6KA3	76	0.00166889	1.99800399	0.5004995	0.05859649	4	99.46052632	0.8003992	353340	0.10757006
MAPK9	57	0.00155374	2.08283433	0.480115	0.03571429	4	91.64912281	0.78343313	183050	0.10742779
MAPK3	41	0.00145635	2.06387226	0.48452611	0.15243902	4	85.92682927	0.78722555	54334	0.09536829
PRKAA2	68	0.00133911	2.09680639	0.47691575	0.01536435	4	97.98529412	0.78063872	312362	0.12134642
TGFBR1	63	0.00119416	2.0499002	0.48782863	0.05734767	4	95.52380952	0.79001996	234358	0.10805515
PRKACB	63	0.00116776	2.06387226	0.48452611	0.04454685	4	100.0634921	0.78722555	255620	0.11523041
CSNK2A1	32	0.00116336	2.13473054	0.4684432	0.09677419	4	75.96875	0.77305389	36186	0.09086826
CSNK1G1	70	0.00113196	2.1237525	0.47086466	0.0057971	4	98.64285714	0.7752495	313050	0.12911798
CDK1	42	0.00107983	2.08582834	0.47942584	0.08943089	4	87.71428571	0.78283433	68716	0.10039273
ATM	47	0.00100878	2.10878244	0.47420729	0.0693802	4	95.29787234	0.77824351	121118	0.11327254
AKT1	39	8.69E-04	2.0998004	0.47623574	0.11605938	4	82.58974359	0.78003992	49724	0.09572253
DYRK2	49	7.77E-04	2.02894212	0.49286768	0.06632653	4	106.3469388	0.79421158	170648	0.11587648
EPHA3	50	7.01E-04	2.15968064	0.46303142	0.0277551	4	98.3	0.76806387	174744	0.1265718
IKBKB	32	7.00E-04	2.15668663	0.46367422	0.09475806	4	81.71875	0.76866267	45008	0.10090501
ABL1	39	6.82E-04	2.16566866	0.46175115	0.08097166	4	75.64102564	0.76686627	57010	0.09507201
STK4	46	6.69E-04	2.16067864	0.46281755	0.02898551	4	91.30434783	0.76786427	142542	0.11682687
RPS6KA1	20	5.74E-04	2.24251497	0.4459279	0.11578947	4	79.9	0.75149701	16036	0.10784844
SMG1	46	5.27E-04	2.21157685	0.45216606	0.00193237	4	100.326087	0.75768463	155496	0.14058176
TAF1	34	5.25E-04	2.15369261	0.46431881	0.04812834	4	100.7058824	0.76926148	64192	0.12442598
MTOR	25	4.72E-04	2.250499	0.4443459	0.05333333	4	72.56	0.7499002	24832	0.10025035
MAP3K7	20	4.64E-04	2.28742515	0.43717277	0.16842105	4	73.6	0.74251497	11048	0.10552367
CSNK1D	27	4.19E-04	2.20658683	0.4531886	0.0968661	4	84	0.75868263	33292	0.10922787
NUAK1	35	4.15E-04	2.29041916	0.43660131	0.01008403	4	92.28571429	0.74191617	79992	0.13903604
BMPR1B	38	4.08E-04	2.15968064	0.46303142	0.04267425	4	93.97368421	0.76806387	81460	0.11845436
PRKCD	22	3.85E-04	2.2744511	0.43966652	0.12121212	4	66.86363636	0.74510978	10478	0.09458414
CHUK	23	3.74E-04	2.249501	0.44454303	0.08695652	4	92.95652174	0.7500998	23654	0.12791256
CDK9	15	3.65E-04	2.41317365	0.41439206	0.05714286	4	73	0.71736527	10086	0.12592593
NLK	31	3.62E-04	2.13972056	0.46735075	0.09462366	4	99.41935484	0.77205589	48844	0.1193781
ACVR1B	32	3.47E-04	2.19261477	0.45607647	0.06653226	4	89	0.76147705	60396	0.11485285
STK17A	39	2.94E-04	2.25149701	0.44414894	0.00134953	4	103.6666667	0.7497006	97996	0.15061283
GRK5	20	2.70E-04	2.16167665	0.46260388	0.06842105	4	116.45	0.76766467	34540	0.14285714
PRKAA1	38	2.58E-04	2.25748503	0.44297082	0.0056899	4	104.8421053	0.74850299	91934	0.15223087
MAPK4	23	2.47E-04	2.23153693	0.44812165	0.0513834	4	98.30434783	0.75369261	28574	0.13219741
AURKA	10	2.44E-04	2.4760479	0.40386941	0.13333333	4	88.8	0.70479042	5558	0.16980769
PRKDC	19	2.23E-04	2.27744511	0.43908852	0.1871345	4	82.42105263	0.74451098	9508	0.11641392
PRKACA	19	2.14E-04	2.24850299	0.44474035	0.15204678	4	81	0.7502994	11590	0.11051912
PIM1	17	2.01E-04	2.36926148	0.42207245	0.03676471	4	83.88235294	0.7261477	12532	0.13587947
CSNK1G2	19	1.87E-04	2.41317365	0.41439206	0.02339181	4	74.36842105	0.71736527	24664	0.12859374
MAPKAPK2	24	1.83E-04	2.28742515	0.43717277	0.0326087	4	90.125	0.74251497	37458	0.13084795
CSNK2A2	19	1.70E-04	2.28143713	0.43832021	0.10526316	4	85	0.74371257	13786	0.12122581
RPS6KA5	23	1.67E-04	2.23453094	0.44752121	0.10671937	4	97.43478261	0.75309381	24004	0.13066854
IRAK1	26	1.56E-04	2.32335329	0.43041237	0.04307692	4	92	0.73532934	35326	0.14148139
FGFR3	16	1.49E-04	2.39221557	0.41802253	0.05	4	77.3125	0.72155689	12714	0.12986464
PLK3	13	1.35E-04	2.43213573	0.41116126	0.19230769	4	77.30769231	0.71357285	5050	0.13791209
PRKD1	19	1.29E-04	2.18962076	0.45670009	0.0877193	4	124	0.76207585	28554	0.15642905
CAMK2A	21	1.26E-04	2.28243513	0.43812855	0.05238095	4	89.33333333	0.74351297	21310	0.12792052
TP53RK	24	1.02E-04	2.35528942	0.42457627	0.00362319	4	103.2083333	0.72894212	33524	0.1655205
CDK5	12	9.00E-05	2.44311377	0.40931373	0.25757576	4	79.41666667	0.71137725	2272	0.14409091
CSNK1A1	18	8.65E-05	2.3253493	0.43004292	0.08496732	4	104.1666667	0.73493014	16630	0.15764627
CHEK2	9	8.26E-05	2.6506986	0.37725904	0.19444444	4	50.22222222	0.66986028	1716	0.14460548
DAPK1	18	7.83E-05	2.3243513	0.43022757	0.05228758	4	99.77777778	0.73512974	16588	0.15171594
GSK3A	12	7.14E-05	2.33632735	0.42802221	0.13636364	4	92.58333333	0.73273453	3748	0.14118247
CDK8	9	6.49E-05	2.56686627	0.38958009	0.13888889	4	75.55555556	0.68662675	2222	0.17278287
STK11	14	6.06E-05	2.31736527	0.43152455	0.16483516	4	94.42857143	0.73652695	8002	0.14072176
FGFR4	10	5.77E-05	2.51996008	0.39683168	0.11111111	4	71.6	0.69600798	3126	0.14947589
CSNK1E	12	5.65E-05	2.37824351	0.42047839	0.06060606	4	97.5	0.7243513	7762	0.15861975
MARK3	9	5.37E-05	2.46606786	0.40550384	0.02777778	4	107.7777778	0.70678643	5402	0.19741697
CSNK1G3	15	4.76E-05	2.3762475	0.42083158	0.00952381	4	105.2666667	0.7247505	13898	0.17199341
MAPK8	13	4.09E-05	2.29740519	0.43527368	0.30769231	4	126.6923077	0.74051896	3724	0.1813974
CSNK1A1L	13	3.59E-05	2.39421158	0.41767403	0.02564103	4	103.6923077	0.72115768	8622	0.17268973
EIF2AK2	8	3.20E-05	2.59081836	0.38597843	0.10714286	4	82.5	0.68183633	2252	0.19385343
CAMK1D	10	2.93E-05	2.55489022	0.39140625	0	4	88.1	0.68902196	5896	0.19100877
PAK4	8	2.91E-05	2.58383234	0.38702202	0.03571429	4	84.75	0.68323353	3582	0.1971831
EPHB1	10	2.82E-05	2.48702595	0.40208668	0.06666667	4	97.9	0.70259481	4416	0.19153543
HIPK3	11	2.54E-05	2.41117764	0.4147351	0.09090909	4	108.8181818	0.71776447	6544	0.18523699
SGK2	10	2.53E-05	2.48702595	0.40208668	0.06666667	4	102.5	0.70259481	6032	0.20019646
TBK1	7	2.50E-05	2.60479042	0.38390805	0.0952381	4	93.71428571	0.67904192	2312	0.23112371
PTK6	8	2.41E-05	2.66267465	0.37556222	0	4	68.625	0.66746507	3182	0.18995787
MAP3K10	8	2.29E-05	2.56387226	0.39003503	0.21428571	4	77.75	0.68722555	1410	0.17828341
TNK2	7	2.09E-05	2.58682635	0.38657407	0	4	89.85714286	0.68263473	2446	0.20194805
CDK4	9	1.88E-05	2.41916168	0.41336634	0.13888889	4	106.3333333	0.71616766	2386	0.18326617
CAMK1G	10	1.60E-05	2.52195609	0.39651761	0.02222222	4	106.8	0.69560878	5138	0.218107
CAMK4	9	1.52E-05	2.47804391	0.4035441	0.13888889	4	110.1111111	0.70439122	3810	0.20888889
IKBKE	8	1.40E-05	2.56686627	0.38958009	0.03571429	4	99.125	0.68662675	2584	0.22771991
RPS6KA4	8	1.07E-05	2.50898204	0.39856802	0.25	4	91.5	0.69820359	1156	0.18737166
VRK2	5	9.91E-06	2.74351297	0.36449618	0	4	85.8	0.65129741	904	0.28361204
CDK7	6	6.50E-06	2.61377246	0.38258877	0.33333333	4	92	0.67724551	900	0.23131822
MAP2K2	6	5.98E-06	2.61277445	0.38273491	0.46666667	4	86.5	0.67744511	572	0.22066327
ALK	6	5.54E-06	2.59580838	0.38523645	0.2	4	105.5	0.68083832	1370	0.25099443
MAPK15	4	5.51E-06	2.68562874	0.37235229	0.33333333	4	95.75	0.66287425	364	0.29294479
MAPKAPK5	6	4.65E-06	2.64171657	0.37854175	0.46666667	4	82	0.67165669	270	0.22527473
VRK1	3	2.91E-06	2.71856287	0.36784141	0	4	128	0.65628743	488	0.39937107
FER	4	2.13E-06	2.63872255	0.37897126	0.33333333	4	129.25	0.67225549	478	0.33161954
MELK	5	1.37E-06	2.51497006	0.39761905	0.6	4	154.8	0.69700599	178	0.31336032

Transcription Factors (TF)										
TF	Degree	BetweennessCentrality	AverageShortestPath Length	Closeness Centrality	Clustering Coefficient	Eccentricity	NeighborhoodConnectivity	Radiality	Stress	Topological Coefficient
MITF	302	0.05487946	1.79840319	0.55604883	0.03654485	4	41.03311258	0.84031936	1600562	0.04668987
SMAD2	215	0.02419495	1.82734531	0.54724194	0.08185177	3	61.9255814	0.83453094	893996	0.06463077
RUNX2	155	0.02223497	1.90419162	0.52515723	0.05739422	3	52.95483871	0.81916168	524712	0.05674235
SMAD4	177	0.02031782	1.88622754	0.53015873	0.06901644	3	58.2259887	0.82275449	669386	0.0621288
RELA	131	0.01964799	1.97205589	0.50708502	0.04368761	3	42.14503817	0.80558882	415758	0.04759105
TCF21	148	0.01820392	1.94311377	0.5146379	0.04734326	4	46.59459459	0.81137725	442986	0.05178174
JUN	147	0.01804909	1.94011976	0.5154321	0.04185168	3	40.70547945	0.81197605	460302	0.04502172
NFYA	144	0.01644952	1.93013972	0.51809721	0.05740093	3	51.89583333	0.81397206	448764	0.05618755
STAT3	156	0.01556809	1.93912176	0.51569738	0.05492142	3	48.19230769	0.81217565	426822	0.05365463
BACH1	134	0.01436179	2.01197605	0.49702381	0.05667153	3	47.59701493	0.79760479	377818	0.05640444
TP53	136	0.01433644	1.97704591	0.50580515	0.05065359	4	43.90441176	0.80459082	412454	0.04971155
NR3C1	150	0.01412332	1.91117764	0.5232376	0.08599553	3	66.42	0.81776447	530996	0.07065248
MYB	131	0.01351702	2.06187625	0.48499516	0.02886106	4	37.31538462	0.78762475	403938	0.04733124
GATA4	126	0.01235973	2.05688623	0.48617176	0.03771429	4	41.46031746	0.78862275	409438	0.05179144
FOXA2	167	0.01231235	2.22754491	0.44892473	0.00670947	4	33.1497006	0.75449102	642648	0.06339849
RUNX1	114	0.01155435	1.97704591	0.50580515	0.07560938	3	61.62280702	0.80459082	333032	0.0681646
CTNNB1	124	0.01109003	2.01497006	0.49628529	0.05218988	3	47.14516129	0.79700599	352812	0.05506508
ATF3	120	0.01095275	2.02295409	0.49432659	0.03921569	4	40.89166667	0.79540918	290234	0.04829186
GATA3	107	0.01078479	2.24051896	0.44632517	0.02045495	4	33.80373832	0.75189621	552920	0.0548758
ZNF217	155	0.01036755	2.00998004	0.49751738	0.05018852	4	48.70967742	0.79800399	390456	0.05906793
BRD4	113	0.00928819	2.11477046	0.47286456	0.02528445	3	36.98230088	0.77704591	267338	0.04924197
SMAD3	123	0.00913736	1.93512974	0.51676122	0.09316273	4	61.96747967	0.81297405	286508	0.06569588
EP300	103	0.0086453	1.97704591	0.50580515	0.07938321	3	57.25242718	0.80459082	251872	0.06226692
AR	121	0.00856269	2.19660679	0.45524761	0.0231405	4	36.79338843	0.76067864	346894	0.05638229
FOXO3	119	0.00850948	1.95908184	0.5104432	0.08916109	3	67.94117647	0.80818363	370540	0.07374155
FLI1	118	0.00788529	2.02794411	0.49311024	0.04809503	4	46.21186441	0.79441118	235986	0.05456825
SOX2	110	0.00743688	2.09680639	0.47691575	0.03686405	3	40.11818182	0.78063872	213284	0.05191761
JUND	113	0.00712029	2.26746507	0.44102113	0.01153603	4	31.65486726	0.74650699	303394	0.05505175
FOXM1	117	0.00644811	2.13972056	0.46735075	0.02460949	4	39.25641026	0.77205589	224008	0.05415081
PAX3	107	0.00567458	2.06387226	0.48452611	0.05854347	3	50.34579439	0.78722555	192676	0.06159051
NANOG	103	0.00565109	2.19860279	0.45483432	0.02417666	4	37.31067961	0.76027944	178794	0.05529192
TOP2B	108	0.00561544	2.36027944	0.42367865	0.00899312	4	34.1682243	0.72794411	349122	0.07088213
TCF3	86	0.00551093	2.05688623	0.48617176	0.05608755	4	52.79069767	0.78862275	150870	0.06191075
CDX2	97	0.00540327	2.34331337	0.42674617	0.01159794	4	33.3814433	0.73133733	294962	0.06448869
ARNT	87	0.00419298	2.09481038	0.47737018	0.08500401	3	57.59770115	0.78103792	152380	0.07031283
TCF4	76	0.00352512	2.02195609	0.49457058	0.08350877	3	76.69736842	0.79560878	186952	0.08492161
CLOCK	68	0.00315624	2.08782435	0.4789675	0.05267779	4	65.39705882	0.78243513	127328	0.07756392
PRDM14	87	0.00306761	2.4760479	0.40386941	0.0064154	4	35.72413793	0.70479042	163890	0.09352142
AHR	75	0.00294429	2.07884232	0.48103697	0.1009009	3	64.93333333	0.78423154	120052	0.07657233
GATA2	69	0.00285812	2.12075848	0.47152941	0.07502131	4	54.88405797	0.7758483	91682	0.06790223
TFAP2C	66	0.00257828	2.31936128	0.43115318	0.02657343	4	40.33333333	0.73612774	98688	0.06829877
NFE2L2	51	0.00241353	2.27944112	0.43870403	0.04627451	4	44.76470588	0.74411178	85694	0.06758448
STAT6	56	0.00237123	2.15968064	0.46303142	0.05519481	4	50.33928571	0.76806387	66840	0.06443701
FOXA1	55	0.0020902	2.18662675	0.45732542	0.06060606	4	51.36363636	0.76267465	59970	0.06828499
TP63	60	0.00188787	2.06886228	0.48335745	0.07118644	4	88.61666667	0.78622754	178688	0.10187956
PIAS1	60	0.0017804	2.39221557	0.41802253	0.01186441	4	37.4	0.72155689	108992	0.0718099
ESR2	45	0.00135698	2.29141717	0.43641115	0.06767677	4	49.51111111	0.74171657	39180	0.07470163
GATA1	54	0.00127611	2.53892216	0.39386792	0.00628931	4	32.72222222	0.69221557	58864	0.08722931
WT1	43	8.99E-04	2.07984032	0.48080614	0.12439024	3	83.75609756	0.78403194	52366	0.09514967
POU5F1	39	7.98E-04	2.43013972	0.41149897	0.02699055	4	42.41025641	0.71397206	33910	0.08145382
NR1H3	37	7.52E-04	2.69461078	0.37111111	0	4	21.64864865	0.66107784	27104	0.08749427
TRIM28	17	2.56E-04	2.56187625	0.39033892	0.06617647	4	44.76470588	0.68762475	6446	0.10607984
KRT7	14	5.19E-05	2.39121756	0.41819699	0.0989011	4	109.7142857	0.72175649	10122	0.18263258
DMRT1	7	1.42E-05	2.63473054	0.37954545	0.04761905	4	93.85714286	0.67305389	2178	0.25038402
PPARA	3	4.70E-07	2.81836327	0.35481586	0.66666667	4	81.33333333	0.63632735	20	0.42582897
EWSR1	1	0	2.9760479	0.3360161	0	4	103	0.60479042	0	0
TBL1X	1	0	3.01397206	0.33178808	0	4	124	0.59720559	0	0

microRNAs										
microRNA	Degree	BetweennessCentrality	AverageShortestPathLength	ClosenessCentrality	ClusteringCoefficient	Eccentricity	NeighborhoodConnectivity	Radiality	Stress	TopologicalCoefficient
hsa-miR-3152-3p	133	0.00889906	2.05189621	0.48735409	0.02255639	3	48.35338346	0.78962076	709080	0.06163486
hsa-miR-4259	119	0.00825958	2.12075848	0.47152941	0.0176613	3	44.01680672	0.7758483	556694	0.06078978
hsa-miR-4327	128	0.00752423	2.07784431	0.48126801	0.02645177	3	48.75	0.78443114	508130	0.06297625
hsa-miR-921	135	0.00743424	2.11576846	0.47264151	0.01967938	4	46.42962963	0.77684631	624240	0.06415638
hsa-miR-505	123	0.00730008	2.13073852	0.46932084	0.02092496	4	44.33333333	0.7738523	524212	0.06169297
hsa-miR-219-1-3p	117	0.00667036	2.10678643	0.47465656	0.02313587	4	46.95726496	0.77864271	508984	0.06235094
hsa-miR-4774-5p	111	0.00660034	2.06686627	0.48382424	0.02768223	3	48.11711712	0.78662675	400692	0.05974928
hsa-miR-648	118	0.00642627	2.15868263	0.46324549	0.02158482	3	46.1779661	0.76826347	524982	0.06624355
hsa-miR-3177-5p	115	0.0063354	2.08283433	0.480115	0.02440885	4	46.94782609	0.78343313	409712	0.06017481
hsa-miR-324-5p	104	0.00632126	2.13572854	0.4682243	0.02184466	4	49.45192308	0.77285429	448036	0.06730769
hsa-miR-154	108	0.00620749	2.16566866	0.46175115	0.01401869	4	45.93518519	0.76686627	592950	0.06688453
hsa-miR-3659	109	0.0060858	2.11277445	0.47331129	0.02191641	3	48.5412844	0.77744511	473702	0.06494968
hsa-miR-496	102	0.00600212	2.26347305	0.44179894	0.01844302	4	46.44117647	0.74730539	585580	0.07690923
hsa-miR-486-5p	110	0.00596228	2.19061876	0.45649203	0.01951626	4	43.89090909	0.76187625	463636	0.06522863
hsa-miR-4536	116	0.00581833	2.26447106	0.44160423	0.00764618	4	41.69827586	0.74710579	473052	0.07420951
hsa-miR-4684-3p	116	0.00579949	2.14071856	0.46713287	0.02083958	3	46.86206897	0.77185629	400908	0.06573885
hsa-miR-3545-5p	109	0.00564429	2.2005988	0.45442177	0.01851852	4	45.95412844	0.75988024	485936	0.06962672
hsa-miR-1284	124	0.00559173	2.10678643	0.47465656	0.03029111	4	50.69354839	0.77864271	475162	0.06783299
hsa-miR-383	118	0.00547777	2.15668663	0.46367422	0.02187455	3	46.52542373	0.76866267	439190	0.06597373
hsa-miR-508-3p	119	0.00536952	2.09780439	0.47668887	0.02321607	4	47.94117647	0.78043912	498504	0.06272154
hsa-miR-4704-5p	116	0.00529726	2.22055888	0.45033708	0.01229385	4	44.18965517	0.75588822	532280	0.07113821
hsa-miR-4694-5p	118	0.00529171	2.15169661	0.46474954	0.01970158	3	47.30508475	0.76966068	407006	0.06761371
hsa-miR-4317	96	0.00525784	2.13872255	0.46756883	0.03048246	4	48.125	0.77225549	367894	0.06456646
hsa-miR-503	96	0.00525293	2.24251497	0.4459279	0.01885965	4	42.58333333	0.75149701	362568	0.06739217
hsa-miR-4759	114	0.0052105	2.18862275	0.45690834	0.01645707	4	47.56140351	0.76227545	515264	0.07220386
hsa-miR-4445	124	0.00520272	2.09181637	0.47805344	0.02268555	3	48.18548387	0.78163673	486092	0.06305371
hsa-miR-492	100	0.00520157	2.19461078	0.45566166	0.0210101	4	46.17	0.76107784	374592	0.06781065
hsa-miR-4484	109	0.00514635	2.19860279	0.45483432	0.01681957	3	44.60550459	0.76027944	372386	0.06809347
hsa-miR-296-3p	108	0.00514308	2.21756487	0.45094509	0.01349948	4	43.30555556	0.75648703	438816	0.06832949
hsa-miR-331-5p	103	0.00510924	2.13572854	0.4682243	0.02665144	4	50.33009709	0.77285429	410430	0.0681728
hsa-miR-4718	123	0.00501435	2.19461078	0.45566166	0.013328	4	45.98373984	0.76107784	525922	0.0714759
hsa-miR-4423-3p	121	0.00494767	2.09081836	0.47828162	0.02451791	4	49.97520661	0.78183633	487164	0.06557055
hsa-miR-2964a-5p	110	0.00494155	2.18862275	0.45690834	0.0206839	4	46.5	0.76227545	346456	0.06830939
hsa-miR-1244	110	0.00493057	2.18962076	0.45670009	0.0205171	4	44.65454545	0.76207585	400102	0.0663718
hsa-miR-591	109	0.00491359	2.11776447	0.47219604	0.02072715	3	46.47706422	0.77644711	386808	0.06222953
hsa-miR-4764-3p	112	0.00489937	2.0988024	0.4764622	0.0271879	4	51.41964286	0.78023952	431722	0.06712833
hsa-miR-3682-3p	118	0.00479526	2.1756487	0.45963303	0.01636969	3	45.44067797	0.76487026	408950	0.06778387
hsa-miR-3162-3p	101	0.00477595	2.11277445	0.47331129	0.03049505	4	48.58415842	0.77744511	325132	0.06312851
hsa-miR-4772-5p	101	0.00474463	2.17265469	0.46026642	0.02455446	4	46.30693069	0.76546906	330716	0.06574257
hsa-miR-4633-5p	107	0.00473109	2.16766467	0.46132597	0.01886792	4	45.06542056	0.76646707	450354	0.06479751
hsa-miR-590-5p	132	0.00459716	2.18762475	0.45711679	0.01596114	4	45.97727273	0.76247505	563126	0.07173147
hsa-miR-21	132	0.00459716	2.18762475	0.45711679	0.01596114	4	45.97727273	0.76247505	563126	0.07173147
hsa-miR-3680	111	0.0045655	2.19760479	0.45504087	0.01588862	4	46.39639964	0.76047904	433736	0.07085051
hsa-miR-4637	96	0.00454522	2.20558882	0.45339367	0.02192982	4	43.88541667	0.75888224	288504	0.06445409
hsa-miR-371b-3p	100	0.00450504	2.2245509	0.44952894	0.01717172	3	45.2	0.75508982	369962	0.07032967
hsa-miR-4305	103	0.00447283	2.14171657	0.46691519	0.02817438	4	51.23300971	0.77165669	433120	0.06956384
hsa-miR-4474-5p	113	0.00442495	2.27045908	0.44043956	0.01785714	4	46.20353982	0.74590818	391542	0.0796768
hsa-miR-4280	109	0.00427904	2.24151697	0.44612645	0.01393136	4	46.00917431	0.75169661	371110	0.07511751
hsa-miR-4460	102	0.00418525	2.24850299	0.44474035	0.01494855	4	45.81372549	0.7502994	428810	0.07420223
hsa-miR-3935	97	0.00415456	2.1497006	0.46518106	0.02426976	4	48.31958763	0.77005988	329762	0.06603894
hsa-miR-1278	111	0.00414765	2.17964072	0.45879121	0.01949222	4	48.35135135	0.76407186	397728	0.07095426
hsa-miR-3923	96	0.00411278	2.22155689	0.45013477	0.01710526	4	46.47916667	0.75568862	341906	0.07150945
hsa-miR-3144-3p	93	0.00409184	2.24850299	0.44474035	0.02454418	4	45.06451613	0.7502994	409678	0.07041658
hsa-miR-4796-5p	108	0.00408893	2.18662675	0.45732542	0.0238837	4	46.55555556	0.76267465	309878	0.06816942
hsa-miR-4703-3p	103	0.00399401	2.11876248	0.47197362	0.03026842	4	49.13592233	0.7762475	314132	0.06395599
hsa-miR-563	88	0.00397626	2.30838323	0.43320363	0.01671891	3	39	0.73832335	247930	0.06792173
hsa-miR-4671-3p	108	0.00389578	2.18363273	0.45795247	0.01713396	4	46.77777778	0.76327345	399118	0.06925097
hsa-miR-3132	97	0.00386779	2.21357285	0.45175834	0.01782646	4	47.45360825	0.75728543	343256	0.07196002
hsa-miR-584	103	0.00380779	2.1237525	0.47086466	0.0262707	4	51.40776699	0.7752495	338560	0.06820712
hsa-miR-610	107	0.00380111	2.29640719	0.43546284	0.01287251	4	44.20560748	0.74071856	410354	0.07939685
hsa-miR-550b	98	0.00378825	2.16866267	0.46111367	0.02461603	3	49.45918367	0.76626747	283394	0.06980519
hsa-miR-4278	87	0.00374939	2.25848303	0.44277508	0.01443464	4	42.54022989	0.74830339	231990	0.06827512
hsa-miR-3681	91	0.00372056	2.2754491	0.43947368	0.01782662	4	45.79120879	0.74491018	247472	0.07555174
hsa-miR-770-5p	113	0.00367675	2.24251497	0.4459279	0.01390645	4	45.57522124	0.75149701	408254	0.07526549
hsa-miR-4712-5p	113	0.00367675	2.24251497	0.4459279	0.01390645	4	45.57522124	0.75149701	408254	0.07526549
hsa-miR-645	93	0.00362178	2.12674651	0.47020178	0.03389434	3	53.61290323	0.7746507	314352	0.07015387
hsa-miR-1258	106	0.00360684	2.10379242	0.47533207	0.03000898	3	53.94339623	0.77924152	308508	0.06947492
hsa-miR-660	98	0.00357767	2.33233533	0.42875481	0.01030928	4	43.70408163	0.73353293	329192	0.08342873
hsa-miR-501-3p	120	0.00357733	2.19361277	0.45586897	0.01512605	4	46.31666667	0.76127745	392488	0.07143598
hsa-miR-502-3p	120	0.00357733	2.19361277	0.45586897	0.01512605	4	46.31666667	0.76127745	392488	0.07143598
hsa-miR-4777-3p	98	0.0035748	2.16267465	0.4623904	0.02188092	3	49.07142857	0.76746507	334902	0.06916744
hsa-miR-3171	103	0.00356486	2.33033932	0.42912206	0.01294498	4	46.11650485	0.73393214	401754	0.08807212
hsa-miR-219-5p	111	0.00355806	2.06786427	0.48359073	0.03407043	4	52.92792793	0.78642715	347260	0.06525685
hsa-miR-4782-3p	111	0.00355806	2.06786427	0.48359073	0.03407043	4	52.92792793	0.78642715	347260	0.06525685
hsa-miR-1263	80	0.00354562	2.21556886	0.45135135	0.02183544	4	45.4125	0.75688623	261626	0.06644543
hsa-miR-28-3p	103	0.00352131	2.24351297	0.44572954	0.0180849	4	46.36893204	0.75129741	341162	0.07506821
hsa-miR-3200-3p	99	0.00347963	2.2005988	0.45442177	0.01978973	4	46.76767677	0.75988024	290556	0.06939349
hsa-miR-4727-3p	98	0.00344061	2.33932136	0.4274744	0.00925731	4	42.52040816	0.73213573	314690	0.08239445
hsa-miR-3146	109	0.00341538	2.30738523	0.433391	0.01257221	4	48.33027523	0.73852295	476918	0.09130458
hsa-miR-323b-5p	92	0.00340725	2.2255489	0.44932735	0.02245581	4	45.5	0.75489022	265698	0.06879095
hsa-miR-142-3p	92	0.00337925	2.28642715	0.4373636	0.0140946	4	45.63043478	0.74271457	398806	0.07808034
hsa-miR-103b	94	0.00334823	2.19860279	0.45483432	0.01967513	4	46.11702128	0.76027944	274260	0.06766965
hsa-miR-3613-5p	97	0.00334654	2.32834331	0.42948993	0.01138316	4	44.16494845	0.73433134	285690	0.08255218
hsa-miR-556-5p	95	0.0033445	2.22954092	0.44852283	0.01948488	4	47.2	0.75409182	280006	0.07292999
hsa-miR-190b	108	0.00333089	2.18463074	0.45774326	0.02526826	4	52.96296296	0.76307385	473076	0.07767945
hsa-miR-190	108	0.00333089	2.18463074	0.45774326	0.02526826	4	52.96296296	0.76307385	473076	0.07767945
hsa-miR-3618	100	0.00322264	2.15768463	0.46345976	0.03232323	4	49.76	0.76846307	259382	0.06866852
hsa-miR-151-3p	94	0.00320715	2.22754491	0.44892473	0.01670098	4	48.55319149	0.75449102	334254	0.0748817
hsa-miR-4715-5p	92	0.00313633	2.11876248	0.47197362	0.03535595	4	51.85869565	0.7762475	259122	0.06674812
hsa-miR-875-5p	89	0.00310883	2.37325349	0.42136249	0.01123596	4	42.47191011	0.7253493	342526	0.0858123
hsa-miR-3622a-5p	86	0.00309914	2.15668663	0.46367422	0.02900137	3	50.8372093	0.76866267	221106	0.06840038
hsa-miR-2909	107	0.00308075	2.26247505	0.44199382	0.01587022	4	48.42056075	0.74750499	387014	0.0826136
hsa-miR-515-3p	108	0.00300609	2.2994012	0.43489583	0.00986501	4	45.60185185	0.74011976	355918	0.08405887
hsa-miR-519e	108	0.00300609	2.2994012	0.43489583	0.00986501	4	45.60185185	0.74011976	355918	0.08405887
hsa-miR-208b	97	0.00300163	2.21956088	0.45053957	0.02169244	3	48.17525773	0.75608782	283580	0.07336664
hsa-miR-208a	97	0.00300163	2.21956088	0.45053957	0.02169244	3	48.17525773	0.75608782	283580	0.07336664
hsa-miR-4506	103	0.00299843	2.16267465	0.4623904	0.0268418	4	52.54368932	0.76746507	328178	0.07362232
hsa-miR-4791	97	0.00294302	2.13872255	0.46756883	0.03221649	4	52.4742268	0.77225549	278616	0.06987706
hsa-miR-3201	97	0.00294302	2.13872255	0.46756883	0.03221649	4	52.4742268	0.77225549	278616	0.06987706
hsa-miR-934	94	0.0028975	2.15269461	0.46453408	0.03042782	4	50.62765957	0.76946108	248484	0.06856274
hsa-miR-4535	83	0.00285675	2.21856287	0.45074224	0.02321481	4	47.5060241	0.75628743	226988	0.06972647
hsa-miR-3529	90	0.00283018	2.26147705	0.44218888	0.01772784	4	46.95555556	0.74770459	339804	0.07622951
hsa-miR-379	90	0.00283018	2.26147705	0.44218888	0.01772784	4	46.95555556	0.74770459	339804	0.07622951
hsa-miR-4473	98	0.00281649	2.31936128	0.43115318	0.01136125	4	45.82653061	0.73612774	314388	0.08540624
hsa-miR-409-5p	79	0.00278446	2.3502994	0.42547771	0.01850049	4	47.5443038	0.72994012	238454	0.08882295
hsa-miR-3937	59	0.00272323	2.25449102	0.4435591	0.0251315	4	46.77966102	0.7491018	126440	0.06954997
hsa-miR-196b	89	0.00270425	2.18363273	0.45795247	0.02860061	4	49.42696629	0.76327345	274254	0.0696948
hsa-miR-196a	89	0.00270425	2.18363273	0.45795247	0.02860061	4	49.42696629	0.76327345	274254	0.0696948
hsa-miR-4529-3p	93	0.00265682	2.3253493	0.43004292	0.01238897	4	47.55913978	0.73493014	307364	0.08717642
hsa-miR-554	74	0.00265666	2.23852295	0.44672314	0.02517586	4	49.21621622	0.75229541	236884	0.07359166
hsa-miR-325	88	0.00241495	2.26447106	0.44160423	0.02011494	4	48.05681818	0.74710579	267914	0.07771022
hsa-miR-3141	59	0.00235387	2.34231537	0.42692799	0.01753361	4	39.71186441	0.73153693	118328	0.06883918
hsa-miR-628-3p	87	0.00234846	2.32335329	0.43041237	0.0227212	4	46.8045977	0.73532934	239126	0.08317884
hsa-miR-215	91	0.00234485	2.25449102	0.4435591	0.01929182	4	48.8021978	0.7491018	268168	0.07836572
hsa-miR-192	91	0.00234485	2.25449102	0.4435591	0.01929182	4	48.8021978	0.7491018	268168	0.07836572
hsa-miR-3689a-5p	105	0.00234435	2.2005988	0.45442177	0.01904762	4	50.34285714	0.75988024	354484	0.07635066
hsa-miR-3689f	105	0.00234435	2.2005988	0.45442177	0.01904762	4	50.34285714	0.75988024	354484	0.07635066
hsa-miR-3689e	105	0.00234435	2.2005988	0.45442177	0.01904762	4	50.34285714	0.75988024	354484	0.07635066
hsa-miR-3689b	105	0.00234435	2.2005988	0.45442177	0.01904762	4	50.34285714	0.75988024	354484	0.07635066
hsa-miR-4776-5p	80	0.00234284	2.18962076	0.45670009	0.02848101	4	51.5375	0.76207585	187862	0.07201545
hsa-miR-1225-5p	90	0.00233362	2.1996008	0.45462795	0.02172285	4	51.2	0.76007984	231986	0.07447535
hsa-miR-509-3p	79	0.00228202	2.31337325	0.4322692	0.02434275	4	47.05063291	0.73732535	215816	0.08011811
hsa-miR-4757-3p	28	0.00219466	2.59381238	0.3855329	0.00793651	4	47.17857143	0.68123752	179342	0.12948923
hsa-miR-1911	77	0.00217678	2.29141717	0.43641115	0.01811347	4	47.90909091	0.74171657	172964	0.07889287
hsa-miR-3117-3p	85	0.00212207	2.25349301	0.44375554	0.02296919	4	50.03529412	0.7493014	237984	0.07825845
hsa-miR-662	58	0.00209518	2.36926148	0.42207245	0.01935874	4	45.51724138	0.7261477	115868	0.08253717
hsa-miR-4661-3p	83	0.00203497	2.21157685	0.45216606	0.03379371	4	51.3253012	0.75768463	170980	0.07389094
hsa-miR-601	73	0.0018878	2.16766467	0.46132597	0.04794521	4	59.42465753	0.76646707	175496	0.07927601
hsa-miR-4661-5p	70	0.00177992	2.23552894	0.44732143	0.02815735	4	49.71428571	0.75289421	132274	0.07336022
hsa-miR-4540	72	0.00164631	2.25948104	0.44257951	0.02543036	4	52.95833333	0.74810379	165452	0.08186224
hsa-miR-720	57	0.00163153	2.35229541	0.42511667	0.01817043	4	48.54385965	0.72954092	125580	0.08589574
hsa-miR-564	65	0.00161428	2.51696607	0.39730373	0.00817308	4	40.35384615	0.69660679	143726	0.10645161
hsa-miR-621	69	0.00154028	2.38223553	0.41977377	0.01960784	4	47.94202899	0.72355289	128588	0.09148027
hsa-miR-542-5p	45	0.00153934	2.4251497	0.41234568	0.01313131	4	39.93333333	0.71497006	74180	0.07806494
hsa-miR-4781-5p	50	0.00151061	2.32235529	0.43059734	0.0244898	4	50.3	0.73552894	117546	0.08200658
hsa-miR-3150a-5p	68	0.00131864	2.39221557	0.41802253	0.01448639	4	48.60294118	0.72155689	186344	0.09548591
hsa-miR-3150b-5p	68	0.00131864	2.39221557	0.41802253	0.01448639	4	48.60294118	0.72155689	186344	0.09548591
hsa-miR-4798-3p	65	0.00130393	2.27644711	0.43928102	0.02259615	4	51.09230769	0.74471058	131140	0.07930288
hsa-miR-4462	54	0.00121417	2.37125749	0.42171717	0.0230608	3	49.51851852	0.7257485	100684	0.08890231

hsa-miR-3676	46	0.00103855	2.43812375	0.41015145	0.01932367	3	44	0.71237525	55464	0.08900991
hsa-miR-1247	46	0.00095962	2.40319361	0.41611296	0.02995169	4	47.73913043	0.71936128	54844	0.08821148
hsa-miR-553	38	0.00083936	2.43413174	0.41082411	0.0512091	4	50.76315789	0.71317365	50080	0.09728714
hsa-miR-3605-3p	46	0.00083322	2.43113772	0.41133005	0.02318841	4	49.7826087	0.71377246	52374	0.09771847
hsa-miR-1468	42	0.00079404	2.29241517	0.43622116	0.04413473	4	56.42857143	0.74151697	64952	0.08583096
hsa-miR-933	36	0.00078678	2.41117764	0.4147351	0.02539683	4	48.75	0.71776447	51638	0.08968401
hsa-miR-4315	47	0.00073139	2.37225549	0.42153976	0.04162812	4	53.27659574	0.7255489	62090	0.09348921
hsa-miR-4520a-5p	42	0.00067412	2.51596806	0.39746132	0.0116144	4	46.23809524	0.69680639	63224	0.10969593
hsa-miR-4520b-5p	42	0.00067412	2.51596806	0.39746132	0.0116144	4	46.23809524	0.69680639	63224	0.10969593
hsa-miR-887	36	0.00062805	2.57984032	0.38762089	0.0047619	4	36.77777778	0.68403194	34104	0.10109546
hsa-miR-521	32	0.00058232	2.55189621	0.39186547	0.01209677	4	38.90625	0.68962076	34014	0.09676396
hsa-miR-1249	31	0.00057895	2.47005988	0.40484848	0.04731183	4	54.48387097	0.70598802	40210	0.11024243
hsa-miR-517b	32	0.00055918	2.34131737	0.42710997	0.04637097	4	56.53125	0.73173653	32084	0.09086772
hsa-miR-4671-5p	35	0.0005196	2.5508982	0.39201878	0.01512605	4	43.94285714	0.68982036	44484	0.10986222
hsa-miR-1973	37	0.00047883	2.49401198	0.40096038	0.01801802	3	46.54054054	0.7011976	35022	0.10289662
hsa-miR-1537	33	0.00047709	2.3742515	0.42118537	0.05681818	4	51.3030303	0.7251497	23070	0.08712769
hsa-miR-191	35	0.00045717	2.68263473	0.37276786	0	4	38.34285714	0.66347305	32440	0.14997131
hsa-miR-598	40	0.00045038	2.55988024	0.39064327	0.01666667	4	45.275	0.68802395	41124	0.11861702
hsa-miR-4783-5p	20	0.00044789	2.4251497	0.41234568	0.06315789	4	55.25	0.71497006	13150	0.09954628
hsa-miR-4790-5p	37	0.0004464	2.34630739	0.42620162	0.07057057	4	59.83783784	0.73073852	36486	0.09723567
hsa-miR-423-3p	37	0.00042965	2.54091816	0.39355852	0.01651652	4	44.83783784	0.69181637	37886	0.11061437
hsa-miR-639	33	0.00039554	2.44411178	0.40914659	0.02651515	4	49.27272727	0.71117764	29298	0.09623907
hsa-miR-4665-3p	28	0.00038268	2.56686627	0.38958009	0.01587302	4	42.42857143	0.68662675	27476	0.10797557
hsa-miR-3186-5p	30	0.00035925	2.46506986	0.40566802	0.01609195	4	51.86666667	0.70698603	26510	0.10506502
hsa-miR-95	28	0.00034549	2.47904192	0.40338164	0.03968254	4	56.71428571	0.70419162	20566	0.11653357
hsa-miR-3912	27	0.00028143	2.60978044	0.383174	0.00569801	4	40.7037037	0.67804391	19166	0.11675899
hsa-miR-1306	28	0.00028091	2.71457086	0.36838235	0	4	38.5	0.65708583	26924	0.16094421
hsa-miR-3610	20	0.00027703	2.42814371	0.41183724	0.06842105	4	65.3	0.71437126	20002	0.1185219
hsa-miR-516a-5p	30	0.00020952	2.55189621	0.39186547	0.02298851	4	49	0.68962076	18938	0.12031509
hsa-miR-369-5p	20	0.00018865	2.57085828	0.38897516	0.01578947	4	50.35	0.68582834	13408	0.12512626
hsa-miR-100	21	0.00011824	2.68363273	0.37262923	0.0047619	4	39.57142857	0.66327345	16364	0.1385902
hsa-miR-99a	21	0.00011824	2.68363273	0.37262923	0.0047619	4	39.57142857	0.66327345	16364	0.1385902
hsa-miR-99b	21	0.00011824	2.68363273	0.37262923	0.0047619	4	39.57142857	0.66327345	16364	0.1385902
hsa-miR-487b	20	0.0001073	2.61776447	0.38200534	0.00526316	4	55.05	0.67644711	13322	0.15515759
hsa-miR-126	12	0.00005028	2.64570858	0.37797058	0.01515152	4	54.33333333	0.67085828	5566	0.16017964