Supplementary Table 6: List of 733 differentially expressed genes in BAL for therapy effects test by Wilcoxon rank sum test with average FPKM >1 PiZZ.off.avg PiZZ.off.sd PiZZ.off.cv PiZZ.on.avg PiZZ.on.sd PiZZ.on.cv FC logFC **PValue** FGFR3 0.0002653 0.0060873 6.3814066 MIR205HG 0.04736052 0.09699429 2.04799881 3.29340046 15.3771294 4.66907369 69.5389411 6.1197492 0.0002653 0.0060873 CAPN13 0.05806388 0.09768852 1.68243189 3.19993504 14.6935691 4.59183356 55.1106 5.7842579 0.0002438 0.0060873 SERPINB4 1.9385308 51.7883117 0.03743182 0.07607715 2.03241919 9.03051112 4.65843057 5.6945546 0.000224 0.0060873 SPARCL1 0.02264419 0.03441656 1.5198846 1.08154936 5.03051712 4.65121361 47.762769 5.5778146 0.000224 0.0060873 0.10938598 0.20453501 1.86984666 4.98590934 23.1337435 4.63982434 45.5808813 5.5103569 0.0002653 0.0060873 TNC 0.03971392 0.05082601 1.27980338 1.76879116 8.19216847 4.6315069 44.538314 5.476975 0.0002438 0.0060873 FMO2 0.02442606 1.14483701 1.05694835 4.84293945 4.58200201 43.2713431 0.0002653 0.02796386 5.43534 0.0060873 LCN2 3.11332959 3.50506597 1.12582554 123.039469 566.440426 4.60372943 39.5202197 5.3045191 0.0002653 0.0060873 1.35448617 **EGFR** 0.0345771 0.03957615 6.24973521 4.61410043 5.2917849 0.0002653 0.0060873 1.14457666 39.1729225 MSLN 0.06934574 0.08575257 1.23659471 2.51736273 11.482147 4.56118099 36.3016215 5.1819621 0.0002653 0.0060873 CYP2J2 0.04282693 0.06899105 1.61092698 1.36262962 5.96863845 4.38023536 31.817123 4.9917315 0.000173 0.0060873 NR2F2 0.03549379 0.04821718 1.35846834 1.11013506 5.05583397 4.55425122 31.276886 4.967025 0.0002438 0.0060873 TRIM29 0.15142147 0.18114513 1.19629751 4.72115711 21.7302819 4.60274492 31.178915 4.9624988 0.0002653 0.0060873 WFDC2 186.779745 4.5743634 0.0002438 6.04679842 5.90767644 0.97699246 854.398429 30.8890312 4.9490227 0.0060873 MUC5B 0.11136542 0.10125026 0.90917145 3.36170736 15.3682361 4.57155678 4.9158209 0.0002438 0.0060873 30.1862755 CX3CL1 0.05468223 0.0710898 1.30005308 1.63995813 7.55634654 4.60764602 29.9906973 4.9064432 0.000224 0.0060873 GABRP 0.15455387 1.71526943 2.66884601 12.0497608 4.51497041 4.8884696 0.0002653 0.0060873 ADH1C 0.1468354 0.17762213 1.20966833 4.30199985 19.4976556 4.53223065 29.2981117 4.8727358 0.0002653 0.0060873 **MSMB** 5.49259259 7.47899775 148.152022 670.377589 4.5249304 4.7534472 0.000224 1.36165165 26.9730587 0.0060873 KRT19 1.67621093 1.29263623 0.77116561 44.1392538 199.717001 4.5247027 26.3327562 4.7187866 0.0002653 0.0060873 IL33 0.08448654 0.14112888 1.67043033 2.22442043 9.84506885 4.42590291 26.3286966 4.7185642 0.0002653 0.0060873 2.9934864 4.6520075 SOX₂ 0.11906483 0.16749517 1.40675607 13.4910084 4.50678794 25.1416517 0.000224 0.0060873 0.05403247 1.33175172 4.50743009 LRIG3 0.057871 1.07104106 6.00277778 24.6472483 4.6233547 0.000224 0.0060873 ATP12A 0.05117769 0.06187748 1.20907157 1.24165528 5.71447082 4.6023006 24.2616539 4.600606 0.0001886 0.0060873 CXCI 17 0.81010579 0.7754533 0.95722474 17.6186025 77.8115076 4.4164404 21.7485206 4.4428454 0.0002653 0.0060873 0.04694427 0.04819996 1.01293486 4.56809156 4.50975848 0.0002653 YAP1 1.02674844 21.5773892 4.4314484 0.0060873 0.0060873 TSPAN8 0.24207164 0.27689036 1.14383643 5.03468971 22.4431365 4.45770005 20.7983458 4.3783969 0.0002438 4.5470977 4.3777063 0.000224 SIX2 0.05317558 0.05979325 1.12444933 1.10543489 5.02652043 20.7883925 0.0060873 ADH7 0.28906348 1.73353329 3.42151199 15.3654078 4.4908239 20.5190391 4.3588913 0.0002653 0.0060873 0.09377873 4.56009291 TMPRSS4 0.11439352 1.21982365 1.88516792 8.59654085 20 1022964 4.3292884 0.0002438 0.0060873 ITGB4 0.09915536 0.12071403 1.21742317 1.94343981 8.63996122 4.44570559 19.5999472 4.2927779 0.0002653 0.0060873 AGR2 1.41556845 1.57332871 1.11144658 27.280584 122.869145 4.50390451 19.2718226 4.2684211 0.0002653 0.0060873 0.78706995 PPL 0.10901819 0.08580494 2.07310419 9.28925571 4.48084363 19.0161307 4.2491518 0.0002653 0.0060873 1.22257583 1.70887533 1.39776633 23.0741105 105.429984 4.56918951 4.2382792 0.0002056 0.0060873 GSTA2 18.8733573 0.88590971 2.2308454 MUC16 0.11882227 0.1052658 9.96009814 4.46471914 18.7746412 4.2307134 0.0002056 0.0060873 KRT7 0.35356656 0.23759174 0.6719859 6.52860087 29.1593994 4.46640865 18.4649841 4.2067201 0.000224 0.0060873 SCNN1B 0.12142275 0.11738219 0.96672319 2.23273246 10.2621398 4.59622457 18.3880903 4.2006998 0.0002056 0.0060873 **EPPIN** 0.37601443 3.11009261 14.274804 4.58983246 4.1587506 0.0001585 0.17412641 2.15943371 17.8611198 0.0060873 ERN2 0.09102096 0.10894188 1.19688773 1.61491661 7.34951225 4.55101659 17.7422489 4.149117 0.000173 0.0060873 CYP4X1 0.1081086 0.14994183 1.38695559 1.9016494 4.50662023 17.5901764 4.136698 0.0002056 0.0060873 8.57001165 CP 0.18461662 0.1715527 0.92923755 3.18362106 13.9709533 4.38838449 17.2444983 4.1080642 0.000224 0.0060873 GRHI 2 0.06784477 0.07418629 1.09347087 1.16937008 5.23967509 4.48076719 17.2359639 4.1073501 0.0002653 0.0060873 MISP 0.06224183 0.07792982 1.25204886 1.06146451 4.47087347 4.21198584 17.0538756 4.0920277 0.0002653 0.0060873 CYP4B1 1.08872501 1.68021547 1.5432873 18.5110347 83.4979349 4.51071138 17.0024888 4.087674 0.0002438 0.0060873 **EPCAM** 0.11188773 0.14608653 1.30565277 1.89058468 8.33937777 4.41100463 16.8971576 4.0787087 0.000224 0.0060873 APOD 0.12141548 0.16929346 1.3943317 2.0190158 9.19164857 4.55253921 4.0556279 0.0001886 0.0060873 16.6289813 CHST9 0.35006339 0.40651606 1.16126412 5.72547521 25.9704972 4.53595488 16.3555382 4.0317073 0.000173 0.0060873 SDC1 0.14363058 0.18169247 1.26499856 2.34435692 10.3197723 4.40196296 16.3221298 4.0287574 0.0002653 0.0060873 GSTA1 1.37421747 1.74951686 1.27310044 22.4075685 99.277945 4.43055413 16.3056933 4.0273039 0.0002653 0.0060873 CNN3 0 14293796 0.13777331 0.9638679 2 31604872 10.2802472 4 43870074 16 2031747 4.0182046 0.0002056 0.0060873 EFEMP1 0.10588195 0.1347287 1.27244258 1.71469855 7.85635028 4.58176762 16.1944376 4.0174265 0.000173 0.0060873 ABCA13 0.11641221 0.12862059 1.10487192 1.87712068 8.40090693 4.47542186 4.0112071 0.0001585 0.0060873 16.1247743 TMC5 0.36362319 0.29679199 0.81620754 5.73247957 25.3255354 4.41790243 3.9786432 0.000224 0.0060873 15.7648898 16.9177581 PLEKHS1 0.24334019 0.25602525 1.05212892 3.80982626 4.44055896 15.6563793 3.9686787 0.0002653 0.0060873 ELF3 0.83485569 0.78652281 0.9421063 13.030788 58.0961504 4.45837585 15.6084316 3.9642537 0.0001585 0.0060873 **PIGR** 0.96954632 0.89932081 0.92756869 15.016224 66.0907071 4.4012867 15.4878872 3.9530684 0.0002056 0.0060873 MAL₂ 0.1364021 0.11225711 0.82298662 2.07683064 9.15841531 4.40980365 15.2257964 3.9284458 0.0002438 0.0060873 15.2017261 ADGRF1 0.07990624 0.11164508 1.39720105 1.21471272 5.49565107 4.52423932 3.9261632 0.000173 0.0060873 PROM1 3.84605707 3.9178233 0.000173 0.25446812 0.31028162 1.21933396 16.9751496 4.41364996 15.1141016 0.0060873 CTGF 0.24564606 0.9489414 3.90546804 17.395294 4.45408691 15.0869925 3.9152333 0.0002056 0.0060873 SYBU 0.07248469 0.09805582 1.35277982 1.08914814 4.79216896 4.39992392 15.0259068 3.9093802 0.0002056 0.0060873 ALG1L 0.17121312 0.23619294 1.3795259 2.55999564 11.2478683 4.39370604 14.9520994 3.9022762 0.000224 0.0060873

CLDN4	0.44778996	0.51405312	1.14797822	6.67479298	29.7856355	4.46240589	14.9060802	3.897829	0.000173	0.0060873
RHPN2	0.0764094	0.09906813	1.29654384	1.10456802	4.7436581	4.29458216	14.4559184	3.8535884	0.0002056	0.0060873
C1orf110	0.13607199	0.19571716	1.4383354	1.96109822	8.66363859	4.41774844	14.4122113	3.8492198	0.0001585	0.0060873
FXYD3	1.11670303	1.09852545	0.98372209	15.7815121	69.8074138	4.42336663	14.1322371	3.820918	0.000173	0.0060873
DNAH5	0.18973408	0.22567689	1.18943778	2.62213817	11.6760101	4.45285844	13.8200692	3.7886929	0.000224	0.0060873
C11orf88		1.85014298						3.781037	0.0001886	
	1.38433758		1.33648253	19.0303846	85.3225581	4.48349102	13.7469248			0.0060873
CD24	1.43830886	1.62888407	1.1324995	19.6990224	86.4901079	4.3905787	13.6959612	3.7756786	0.0002056	0.0060873
LYPD6B	0.11994473	0.17546489	1.46288123	1.63728258	7.49981434	4.58064748	13.6503089	3.7708617	0.0001111	0.0060873
ALOX15	0.95465863	1.40758512	1.47443817	12.8388497	56.8985303	4.43174674	13.448629	3.7493872	0.000224	0.0060873
C1orf106	0.0753376	0.07915405	1.05065786	1.00887396	4.47182129	4.43248757	13.3913732	3.743232	0.0001452	0.0060873
TNFRSF19	0.10081639	0.11737806	1.16427552	1.33777176	5.75176941	4.29951475	13.2693871	3.7300298	0.0002056	0.0060873
SFN	0.08681509	0.14943711	1.7213264	1.14469366	5.0451097	4.40738854	13.1854222	3.7208719	0.000224	0.0060873
GPX2	0.21259246	0.26950859	1.26772414	2.74779748	12.242876	4.45552342	12.9251879	3.6921134	0.0002056	0.0060873
TACC2	0.14284281	0.15800655	1.10615686	1.83150654	8.20576781	4.48033772	12.8218325	3.6805306	0.0001886	0.0060873
STOML3	0.32866986	0.60155616	1.83027479	4.17861617	18.6185648	4.45567719	12.7137187	3.6683142	0.0002653	0.0060873
TSPAN1	2.93352179	3.03775243	1.03553089	36.9792516	162.774601	4.40178193	12.6057531	3.6560104	0.0002056	0.0060873
SLC7A2	0.10120653	0.12636331	1.24856875	1.27217104	5.52854349	4.34575489	12.5700486	3.6519183	0.0002438	0.0060873
SLPI	10.5576347	14.3991962	1.36386573	131.720202	585.272966	4.44330449	12.4762985	3.6411181	9.26E-05	0.0060873
SLC34A2	0.38614675	0.34812455	0.90153435	4.80404606	20.7039955	4.30969961	12.4409855	3.6370289	0.0002056	0.0060873
ASS1	0.21852868	0.31218011	1.42855439	2.71479397	11.8305158	4.35779508	12.4230556	3.6349482	0.0002438	0.0060873
CYP2F1	0.3208512	0.32894772	1.0252345	3.92324157	17.3093209	4.41199467	12.2276043	3.6120699	0.0002438	0.0060873
C11orf16	0.21869376	0.24218342	1.10740891	2.62623771	11.5389229	4.3937085	12.0087454	3.5860135	0.0001585	0.0060873
CFAP221	0.17370584	0.21293615	1.22584336	2.07856834	9.00584187	4.33271387	11.9660247	3.580872	0.000224	0.0060873
DUOXA1	0.09609908	0.14932635	1.553879	1.14962247	4.99565689	4.34547601	11.962887	3.5804937	0.0001886	0.0060873
PTPRF	0.23020343	0.21102969	0.91670957	2.69441969	11.5395935	4.2827751	11.7045158	3.5489933	0.0001886	0.0060873
DUOX1	0.17526299	0.19272497	1.09963305	2.04710284	8.9131431	4.35402802	11.6801778	3.5459903	0.0001585	0.0060873
PFN2	0.33994171	0.3239788	0.95304223	3.92060641	16.2743664	4.15098194	11.5331727	3.5277175	0.0002438	0.0060873
PPAP2C	0.34826921	0.46926276	1.34741386	3.99833158	17.0432565	4.26259206	11.4805773	3.5211233	0.000173	0.0060873
C11orf97	0.22431365	0.37282344	1.66206308	2.56997332	11.6037454	4.51512291	11.4570527	3.5181641	0.0001452	0.0060873
ALDH1A3	0.09353276	0.0943901	1.0091662	1.06859074	4.60597178	4.3103235	11.4247748	3.5140938	0.0002438	0.0060873
STK33	0.11823934	0.19695332	1.66571735	1.34694684	5.85447078	4.34647501	11.3916978	3.5099109	0.0001111	0.0060873
HYDIN	0.09356403	0.10156632	1.0855275	1.06329285	4.68906873	4.40995039	11.3643342	3.5064413	0.000173	0.0060873
MB	0.18231412	0.21829457	1.19735414	2.06451101	8.92384493	4.32249812	11.3239225	3.5013019	0.0002056	0.0060873
	0.18231412									
MUC4		0.30547402	1.23283887	2.7972449	12.1305439	4.33660417	11.2891833	3.4968692	0.0002438	0.0060873
CAPN9	0.09977623	0.19766696	1.98110273	1.12382852	4.94824049	4.40302094	11.2634898	3.493582	0.0001886	0.0060873
TACSTD2	0.71302186	0.59981595	0.84123079	8.02788189	34.4292948	4.28871467	11.2589562	3.4930012	0.000224	0.0060873
NWD1	0.21231842	0.26541113	1.25006174	2.3713651	10.3384021	4.35968382	11.1689091	3.4814164	0.0002653	0.0060873
DNAH2	0.11365264	0.13948917	1.22732889	1.26539468	5.54297288	4.38043006	11.133878	3.4768843	0.0002056	0.0060873
EFCAB1	0.36056072	0.40521426	1.12384474	3.98167796	16.6335415	4.17752054	11.0430165	3.4650624	0.0002653	0.0060873
C6orf118	0.16701315	0.21992574	1.31681689	1.81682396	7.86746072	4.33033739	10.8783289	3.443385	0.0001585	0.0060873
WFDC6	0.27145107	0.44272827	1.630969	2.92119899	12.6649874	4.33554423	10.7614202	3.4277966	0.0001585	0.0060873
EFHC2	0.12491441	0.16205346	1.29731603	1.33490191	5.74384798	4.30282402	10.6865328	3.417722	0.0001111	0.0060873
SPAG6	0.53707055	0.58377906	1.08696903	5.71182307	25.0408052	4.38403027	10.6351448	3.4107678	0.0001585	0.0060873
APOBEC4	0.11479574	0.14877563	1.29600308	1.21992233	5.3995614	4.4261518	10.6268953	3.4096483	0.0001328	0.0060873
ERICH3	0.17630933	0.1988274	1.12771914	1.87189573	7.98214238	4.26420245	10.6171112	3.4083194	0.0001886	0.0060873
TEKT4	0.19278153	0.23336244	1.21050205	2.03920311	8.98668417	4.40695883	10.5777927	3.4029667	0.0001328	0.0060873
WDR78	0.24288277	0.30765082	1.26666386	2.56677954	11.3171886	4.40910037	10.5679772	3.4016274	0.000173	0.0060873
TTC29				1.24974991			10.48852	3.3907392	0.0001886	0.0060873
				1.24464781						0.0060873
SIX1								3.3892889	0.0001585	
CFAP45		0.52697982				4.40020217		3.3843304	0.0001452	0.0060873
SLC44A4	1.25464741	1.45538272	1.1599934	13.0779919	56.8772423	4.34908072	10.4236392	3.3817871	0.0002438	0.0060873
CCDC60	0.11520625	0.15832947	1.37431318	1.19927219	5.13815414	4.28439363	10.4097843	3.3798683	0.0002056	0.0060873
CDHR3	0.39670831	0.48159809	1.21398538	4.09542077	17.6887769	4.31915984	10.3235063	3.3678611	0.000224	0.0060873
AP1M2	0.23437262	0.29368683	1 25307654	2.41249959	10 7199767	4 44351443	10 2934362	3.3636528	0.0001215	0.0060873
ARMC3				2.73598232				3.3610529	0.000224	0.0060873
FAM183A		0.84852556		8.32476818		4.26677335		3.3606586	0.0001886	0.0060873
STOX1	0.10653372			1.08828434				3.3526735	0.0002056	0.0060873
HSD17B13	0.1867987	0.200475	1.07321411	1.90223337	8.34579951	4.38736888	10.1833329	3.3481379	0.0001886	0.0060873
ANKUB1	0.11397762	0.24480066	2.14779594	1.15006981	5.11137115	4.44440075	10.0903128	3.334899	0.0002438	0.0060873
EFNA1	0.16244608	0.21234631	1.30718026	1.63689237	7.37444842	4.50515169	10.0765272	3.3329266	0.0001452	0.0060873
UMODL1-AS1								3.3291538	0.0002056	0.0060873
MS4A8				13.2184495			10.0203995	3.3248681	0.000223	0.0060873
PLXNB1				1.61198002				3.3179642	0.000224	0.0060873
BCAS1				1.58619154				3.3121828	0.0001452	0.0060873
TUSC3	0.10196494	0.15132951	1.48413284	1.01032341	4.5035242	4.45750753	9.90853745	3.3086721	0.0001886	0.0060873

DNAH10	0.13353791	0.13959757		1.31321154	5.74904628	4.37785239	9.8339979	3.297778	0.0001585	0.0060873
DNAI1	0.27604901	0.39321003	1.42442109	2.71453075	11.5650282	4.26041525	9.83351027	3.2977065	0.0002438	0.0060873
FAM216B	0.47673079	0.56171002	1.17825414	4.68457063	20.5779032	4.39269783	9.82644873	3.2966701	0.0001328	0.0060873
AK7	0.17351046	0.20198289	1.16409634	1.70353977	7.40741701	4.34825013	9.81808097	3.2954411	0.000173	0.0060873
CFAP57	0.17421451	0.2613604	1.50022173	1.70178304	7.46169178	4.38463166	9.76831966	3.2881104	0.0002056	0.0060873
PIFO	0.794828	0.77538434	0.97553727	7.70746199	33.0553587	4.28874755	9.69701867	3.2775413	0.0001452	0.0060873
CFAP43	0.22627795	0.29269306	1.29351119	2.18854214	9.43672019	4.31187503	9.67191956	3.2738022	0.0001215	0.0060873
CAPSL	0.80981793	1.12527712	1.38954335	7.73130056	33.7949948	4.37119144	9.54696148	3.2550416	0.0001213	0.0060873
APCDD1	0.12717898	0.15095675	1.18696303	1.21416145	5.1207262	4.21750024	9.54687177	3.2550281	0.0001432	0.0060873
C5orf49	0.28026173	0.36026669	1.28546516	2.67547466	11.3586205	4.24545996	9.54634326	3.2549482	0.0002438	0.0060873
DRC1	0.24074653	0.28039806	1.16470241	2.2935116	10.1349924	4.41898456	9.5266652	3.2519713	0.0001328	0.0060873
WDR66	0.32976944	0.40707602	1.23442616	3.14160088	13.5886445	4.32538855	9.52665869	3.2519703	0.0001585	0.0060873
ATP2C2	0.25320016	0.27056729	1.06859053	2.40891111	10.390625	4.31341156	9.51386104	3.250031	0.000224	0.0060873
F3	0.88995	0.60680853	0.68184565	8.46462376	35.0264052	4.13797544	9.51134755	3.2496498	0.0001886	0.0060873
PACRG	0.27421598	0.35208133	1.28395629	2.59528826	11.2448668	4.33280072	9.46439468	3.2425102	0.0002653	0.0060873
FAM81B	0.38715268	0.40777088	1.053256	3.64043137	15.6409972	4.29646808	9.4030897	3.2331349	0.0001328	0.0060873
KIF19	0.1467952	0.18226357	1.24161805	1.37710051	5.93987185	4.31331759	9.38110062	3.2297572	0.0001886	0.0060873
AGBL2	0.21508601	0.17688527	0.82239318	1.99353822	8.49416098	4.26084681	9.26856278	3.2123456	0.0001585	0.0060873
ZBBX	0.15635976	0.2186955	1.3986687	1.44568481	6.39268996	4.42191128	9.24588816	3.2088119	8.45E-05	0.0060873
C6orf165	0.25415636	0.31249112	1.22952311	2.3425172	10.1056237	4.31400192	9.21683479	3.2042714	0.000224	0.0060873
CCDC114	0.22843459	0.28006695	1.22602689	2.10191909	9.08194271	4.32078606	9.20140449	3.2018541	0.0001585	0.0060873
MAP6	0.180763	0.18185234	1.00602632	1.65908282	7.08524488	4.27057938	9.17822131	3.1982146	0.0001385	
										0.0060873
C1orf158	0.28539362	0.34285344	1.20133531	2.61860469	11.4538478	4.37402708	9.17541413	3.1977733	0.0002653	0.0060873
FAM92B	0.36680207	0.60695483	1.65472029	3.34425243	14.4943994	4.33412241	9.11732153	3.1886101	0.000173	0.0060873
TEKT1	0.62552507	0.77403276	1.23741285	5.66482289	24.9498807	4.40435319	9.05610849	3.1788912	0.0001328	0.0060873
LRRC71	0.15920575	0.2148024	1.34921261	1.43920074	6.0263442	4.18728537	9.03987925	3.1763035	0.0002056	0.0060873
CSF3	0.11719184	0.3158412	2.69507848	1.05457486	4.84834361	4.59743902	8.99870569	3.1697175	2.94E-05	0.0060873
C1orf87	0.2349576	0.31512668	1.34120657	2.11370549	9.14429922	4.32619362	8.99611445	3.169302	0.000173	0.0060873
ZNF474	0.16031439	0.16088159	1.00353804	1.44090891	6.20898382	4.3090745	8.98801978	3.1680033	0.000173	0.0060873
SAA1	0.77129441	0.78235572	1.01434123	6.92951718	30.0205785	4.33227564	8.9842699	3.1674013	0.0001111	0.0060873
C11orf70	0.60522097	1.00712811	1.66406678	5.43428851	23.9863009	4.41388065	8.97901559	3.1665573	0.000173	0.0060873
FAM166B	0.57563752	0.54195473	0.94148611	5.16809479	22.7456956	4.40117617	8.97803675	3.1664	9.26E-05	0.0060873
ALDH3A1	0.79869624	0.68236351	0.85434671	7.15234371	30.9548741	4.32793436	8.95502362	3.1626972	0.0001452	0.0060873
DNAH3	0.17184629	0.16667467	0.96990557	1.53641487	6.57682184	4.28062886	8.94063471	3.1603773	0.0001432	0.0060873
SLC27A2	0.50607355	0.54998003	1.0867591	4.51621281	18.4171769	4.07801352	8.92402468	3.1576945	0.0001880	0.0060873
PERP	0.48329887	0.3781832	0.78250379	4.30406203	17.8109707	4.13817705	8.90559101	3.1547114	0.000173	0.0060873
GAS2L2	0.14847526	0.23742356	1.59907833	1.3192027	5.61475087	4.25616993	8.88500039	3.1513718	0.0001886	0.0060873
LRRIQ1	0.14570012	0.15555451	1.06763474	1.2944246	5.69130692	4.39678519	8.88417004	3.151237	7.02E-05	0.0060873
FAM83H-AS1		0.12895805	1.0181732	1.12352277	4.80601201	4.27762761	8.87064258	3.1490386	0.0001452	0.0060873
ARMC4	0.13031441	0.18396649	1.41171254	1.15217348	5.03062414	4.36620374	8.84148916	3.1442894	0.0001328	0.0060873
SAXO2	0.32669804	0.36713649	1.12377929	2.88787475	12.3923921	4.29118062	8.83958399	3.1439785	0.0002653	0.0060873
CRYM	0.12337758	0.13952172	1.1308515	1.07555914	4.77160053	4.43639068	8.71762205	3.1239347	0.0001111	0.0060873
DTHD1	0.23811098	0.24293351	1.0202533	2.05518786	8.13014149	3.95591159	8.63121852	3.1095642	0.0002653	0.0060873
C1orf194	0.63463311	0.93646775	1.47560493	5.46790421	22.8656623	4.18179643	8.61585078	3.1069933	0.0001886	0.0060873
SNTN	0.76580872	0.72119917	0.94174844	6.57815955	28.4370208	4.32294483	8.58982059	3.102628	0.0001111	0.0060873
RSPH1	1.05944479	1.2709436	1.19963175	9.04225416	38.2014004	4.22476516	8.53489892	3.0933741	0.0001215	0.0060873
C10orf107	0.15573537	0.23053604	1.48030619	1.31845703		4.45043171	8.46600876	3.081682	5.81E-05	0.0060873
FOXJ1			1.18961443					3.0801896	0.0001585	0.0060873
ECT2L			1.12239463					3.0801483	0.0001383	0.0060873
PLS1	0.15631098		0.64197855			4.20266584		3.0762442	0.0001328	0.0060873
AKAP14			1.17171739				8.42317363	3.0743639	0.0002056	0.0060873
RSPH4A			1.01826132					3.0630208	7.70E-05	0.0060873
CFAP126			0.81226022					3.0561382	0.0001111	0.0060873
MAATS1	0.14910563	0.14266011	0.95677214	1.23799439	5.36534053	4.3338973	8.30280102	3.0535981	0.0001452	0.0060873
DNAH9	0.25089192	0.30500594	1.21568657	2.07839214	9.04187843	4.35041985	8.28401371	3.0503299	0.0001328	0.0060873
AGR3	0.87192252	1.01602013	1.16526424	7.22206119	30.5039061	4.22371194	8.28291626	3.0501388	0.0001015	0.0060873
KRT8	1.27934317	0.86970216	0.67980365	10.5916691	44.5047286	4.20186167	8.27898985	3.0494548	0.0002653	0.0060873
VWA3B		0.27501536				4.31452274		3.0348415	0.0002438	0.0060873
VWA3A			1.35463316					3.0318795	0.0001585	0.0060873
CACNG6		0.18945775				4.22954765		3.031768	5.81E-05	0.0060873
LRRC48			0.87471697					3.0279011	0.0001015	0.0060873
MUC15			1.08936293				8.14083612	3.025177	0.0001013	0.0060873
CLDN1		0.16794818				4.28718396		3.0213942	0.0002056	0.0060873
CCDC37			1.42406853				8.11261612	3.0201672	0.000173	0.0060873
C9orf24	1.35445476	1.22790703	0.90656925	10.9377298	45.6623952	4.17475986	8.07537476	3.0135292	0.0002653	0.0060873

051511004										
SELENBP1	0.42851308	0.43888048	1.02419389	3.44406896	14.8476439	4.31107626	8.0372551	3.0067029	5.81E-05	0.0060873
CDHR4	0.4571371	0.56400288	1.23377184	3.6627509	15.9536645	4.35565097	8.01236846	3.0022288	8.45E-05	0.0060873
EFHB	0.1285261	0.14922616	1.16105722	1.0263761	4.19342967	4.08566574	7.98574043	2.9974262	0.000224	0.0060873
ANKRD65	0.18635729	0.2336759	1.25391337	1.48807769	6.40449077	4.30386855	7.98507906	2.9973067	0.0001328	0.0060873
CCDC33	0.27748841	0.44035009	1.58691344	2.20772512	9.70149512	4.39434015	7.95609847	2.9920611	0.0001585	0.0060873
FZD6	0.1340197	0.11378191	0.84899393	1.06413727	4.48714735	4.21669975	7.94015551	2.9891673	0.0001886	0.0060873
NME5	0.24839114	0.30505226	1.22811248	1.96830383	8.75149005	4.44620893	7.92421116	2.9862673	4.36E-05	0.0060873
DYDC2	0.19175065	0.26390109	1.37627225	1.51250209	6.61212477	4.37164671	7.88785919	2.9796338	0.0001111	0.0060873
LRRC10B	0.29495459	0.36686052	1.24378644	2.32597556	9.90286925	4.25751218	7.8858767	2.9792712	0.0001111	0.0060873
				25.7827122						
C20orf85	3.27040553	3.69574638	1.13005753		108.104769	4.19291688	7.88364379	2.9788626	0.0001452	0.0060873
C9orf171	0.2160824	0.31418807	1.45401971	1.698359	7.42302311	4.3707032	7.85977479	2.974488	0.0001585	0.0060873
S100A2	0.27285285	0.25061871	0.91851233	2.13860256	8.55987374	4.00255472	7.83793377	2.9704734	0.0002056	0.0060873
TRIM2	0.23187486	0.35512822	1.53155123	1.81413028	7.83327701	4.31792419	7.82374733	2.9678598	0.0001585	0.0060873
ERBB3	0.17524135	0.2027525	1.1569901	1.37059975	5.48941923	4.00512202	7.82121205	2.9673922	0.0001585	0.0060873
OR7E47P	0.17823327	0.31188092	1.74984677	1.38411661	6.19168033	4.47338056	7.76575883	2.9571269	5.28E-05	0.0060873
TSPAN6	0.29768221	0.21023909	0.70625345	2.24989374	9.2137123	4.09517665	7.55803889	2.9180119	0.0001886	0.0060873
CLDN3	0.17374765	0.26215072	1.50880152	1.30535021	5.70108432	4.36747495	7.51290862	2.9093716	0.000173	0.0060873
DNAAF1	0.46919349	0.58304087	1.24264482	3.52009921	14.6530364	4.16267713	7.50244675	2.9073612	0.0001111	0.0060873
DDR1	0.65016059	0.42467959	0.65319185	4.87516921	20.0787024	4.11856523	7.4984078	2.9065843	0.0002438	0.0060873
C16orf89	0.16460175	0.18532362	1.12589101	1.21612904	5.40552436	4.44486086	7.38831194	2.8852448	3.96E-05	0.0060873
CFAP52	0.3982197	0.40249739	1.01074203	2.92826044	12.7068813	4.33939587	7.35337909	2.8784074	0.0001111	0.0060873
LMO7	0.21332629	0.10774436	0.50506838	1.56428405	6.28487669	4.01773366	7.3328236	2.8743688	0.0001111	0.0060873
C9orf116	1.8720029	1.53162033	0.81817199	13.720898	56.6098021	4.12580883	7.32952818	2.8737203	0.000173	0.0060873
TCTE1	0.22148656	0.33993984	1.53481028	1.60984382	7.1288576	4.42829144	7.2683591	2.8616297	6.39E-05	0.0060873
CCDC42B	0.39968287	0.60591681	1.51599397	2.90424041	12.2098924	4.20416036	7.26636207	2.8612333	0.0002653	0.0060873
LOC10192741		0.74205933	0.96562718	5.52757361	23.9930911	4.34061901	7.19292257	2.8465781	0.0001328	0.0060873
CD164L2	0.17571626	0.27394384	1.55901243	1.25950511	5.43568689	4.3157323	7.16783463	2.8415374	0.0001585	0.0060873
DYNLRB2	0.29664572	0.33358086	1.12450926	2.11723939	8.74128671	4.12862464	7.13726583	2.8353715	0.0001585	0.0060873
AK8	0.27917364	0.24575446	0.88029252	1.99125985	8.16715751	4.10150263	7.13269299	2.8344469	0.0002056	0.0060873
RIBC1	0.345375	0.32577489	0.94324977	2.46227611	10.2393147	4.15847543	7.12928292	2.833757	0.0002438	0.0060873
CCDC81	0.21742524	0.25364437	1.16658198	1.54513206	6.6606327	4.31072068	7.10649805	2.8291388	0.0002653	0.0060873
CCDC74B	0.19097229	0.26181448	1.37095538	1.34316017	5.64267092	4.20104097	7.03327273	2.8141962	0.0001215	0.0060873
CCDC181	0.16335011	0.23314174	1.42725183	1.14695456	4.80138337	4.1862019	7.02144958	2.8117689	0.0001215	0.0060873
C9orf135	0.40815901	0.54847508	1.34377794	2.85423606	11.8468549	4.15062196	6.99295123	2.8059014	5.28E-05	0.0060873
TSPAN19	0.32670281	0.46191435	1.41386705	2.27740866	9.27219975	4.07138162	6.9708878	2.8013424	0.0001215	0.0060873
CFAP53	0.27199677	0.24761157	0.91034748	1.88923488	7.87464656	4.16816705	6.94579906	2.7961407	0.0001213	0.0060873
LRRC4	0.24762498	0.24366003	0.98398808	1.70729828	7.01346989	4.10793472	6.89469319	2.7854864	9.26E-05	0.0060873
LAMC2	0.1915932	0.18298398	0.95506512	1.31492012	5.61743535	4.27207346	6.86308359	2.7788569	0.0001215	0.0060873
C22orf15	0.36117766	0.46377062	1.28405125	2.47331914	10.3853071	4.19893533	6.84792955	2.7756679	8.45E-05	0.0060873
LDLRAD1	0.81689105	0.91880916	1.12476341	5.58922425	23.9184549	4.27938724	6.84206818	2.7744325	0.000224	0.0060873
TMEM45B	0.29265144	0.33238772	1.13578023	1.97653486	8.22451347	4.16107687	6.75388738	2.7557181	0.0001328	0.0060873
RAB36	0.24823905	0.30064051	1.21109272	1.66971333	7.00444261	4.19499711	6.7262316	2.7497985	0.0001328	0.0060873
WDR63	0.15512415	0.17219586	1.1100519	1.0301542	4.21280453	4.08948927	6.64083708	2.7313651	5.28E-05	0.0060873
TPPP3	3.68878031	4.06773141	1.10273073	24.4231442	103.365555	4.23227878	6.62092674	2.7270332	0.0001585	0.0060873
DNAI2	0.36254278	0.43166457	1.19065829	2.3661368	9.89070345	4.18010635	6.52650371	2.7063103	0.0001015	0.0060873
KCNRG	0.29535674	0.38154125	1.291798	1.9249672	8.28923975	4.30617194	6.51743106	2.7043034	0.0001886	0.0060873
CFAP70	0.359072	0.33405567	0.9303306	2.31923907	9.15806504	3.94873696	6.45898051	2.6913065	0.000224	0.0060873
LRRC46				7.14880305				2.679041	0.0001328	0.0060873
RIPK4				1.06754295			6.39564695	2.6770903	0.0001326	0.0060873
CCDC78				7.08345088				2.6196814	0.0002030	0.0060873
DMKN				2.29173723				2.6159991	0.0001328	0.0060873
SCGB2A1				1.64846432				2.6143956	8.45E-05	0.0060873
DLEC1				4.14322909				2.6143891	0.0002438	0.0060873
C16orf71	0.25496887	0.24425926	0.9579964			4.02432589		2.6074237	0.0001328	0.0060873
BAIAP3	0.25285313	0.1957455	0.77414704	1.53645186	6.10356788	3.97250838	6.07645969	2.603231	0.0002653	0.0060873
RRAD	0.64062883	0.68296485	1.0660851	3.88447905	16.2306431	4.17833198	6.06354079	2.6001605	7.02E-05	0.0060873
C9orf117	0.70139178	0.57141546	0.81468799	4.23623586	17.6208851	4.15956186	6.03975691	2.5944905	0.0001015	0.0060873
KIAA1324	0.30266707	0.45364301	1.49881853	1.80864825	7.29023338	4.03076352	5.9757022	2.5791083	7.70E-05	0.0060873
KLF5	0.86669921	0.32703757	0.37733687	4.97794218	19.9084448	3.99933227	5.74356379	2.5219462	0.0001886	0.0060873
MAPK15				4.81726381				2.5193404	0.0001215	0.0060873
WDR38		0.85201967		3.8324509		4.01076294		2.481536	8.45E-05	0.0060873
C11orf52		0.43254896	1.5770409			4.45191724		2.4514718	7.02E-05	0.0060873
TSNAXIP1				1.75244091				2.4323311	0.000173	0.0060873
SAA2				2.74649813				2.4110951	7.02E-05	0.0060873
CCND1	0.4298/518	0.2438/018	0.56/30464	2.24797653	8.03125813	3.57266103	5.2293/042	2.3866373	0.0001886	0.0060873

	0.5405007				40.04==000					
TMC4	0.6136397	0.48135617			13.0177038	4.07521022		2.3800649	0.0001015	0.0060873
CNGA4	0.19596396	0.24239664	1.236945	1.01035976	4.13654447	4.09413026	5.15584481	2.3662088	0.0001215	0.0060873
LOC730101	0.2267186	0.1550637	0.68394786	1.16218851	4.48931304	3.86280969	5.12612784	2.3578695	0.0001886	0.0060873
CCDC113	0.32806018	0.24937902	0.76016243	1.65706936	6.61665294	3.99298491	5.05111398	2.3366016	0.0001585	0.0060873
TTC25	0.49215799	0.43896683	0.8919226	2.46282408	9.81099569	3.98363642	5.00413312	2.3231202	0.0001585	0.0060873
SPATA18	0.8274801	0.56691073	0.68510497	4.092145	15.9514681	3.89807011	4.94530924	2.3060607	0.0001886	0.0060873
MNS1	0.35413488	0.2442215	0.68962849	1.73506834	6.42395999	3.70242476	4.89945618	2.2926216	0.0002653	0.0060873
EPS8L2	0.27785819	0.25397246	0.91403628	1.35213584	5.03457598	3.72342469	4.86628038	2.2828194	0.0001886	0.0060873
PTPRU	0.29704345	0.17468579	0.58808163	1.44101391	5.46267185	3.79085296	4.85118906	2.2783384	0.0002653	0.0060873
CCDC17	0.97243377	0.68786222	0.70736151	4.66629732	18.5822558	3.98222714	4.79857597	2.2626063	6.39E-05	0.0060873
SCNN1A	0.67104535	0.31636113	0.47144523	3.21752246	12.3754304	3.84626079	4.79479139	2.261468	0.0001452	0.0060873
TCTEX1D2	0.86203955	0.82306301	0.95478567	4.08416259	14.8846608	3.64448291	4.73779028	2.2442143	9.26E-05	0.0060873
HES1	1.07445327	0.70050859	0.65196748	5.07230914	20.8479487	4.11014946	4.72082806	2.2390399	9.26E-05	0.0060873
CCDC180	0.26921144	0.2054731	0.76324062	1.22705385	4.31368372	3.51548036	4.72082800	2.2330333	0.0002653	
			0.70324002	1.42122238		3.79789287				0.0060873
SLC22A23	0.31371398	0.18128602			5.39765035		4.53031261	2.1796106	0.0001111	0.0060873
C1orf189	0.64407025	0.7621257	1.18329593	2.8845214	11.4015084	3.9526517	4.47858197	2.163042	5.28E-05	0.0060873
C7orf57	0.43691184	0.38294191	0.8764741	1.94955223	7.51940976	3.85699324	4.46211808	2.1577287	0.0001585	0.0060873
C16orf93	0.23236065	0.1957085	0.8422618	1.02295207	3.99936554	3.90963141	4.40243256	2.1383009	0.000173	0.0060873
CAPS	5.37379976	3.57680872	0.66560141	23.6089186	86.5141023	3.66446696	4.39333799	2.1353175	0.0002653	0.0060873
FAM47E	0.35102963	0.26121853	0.74414952	1.49570275	5.54981663	3.71050774	4.2609017	2.0911588	0.0001015	0.0060873
ADAM28	0.32122017	0.21079433	0.65623007	1.3394427	4.96595952	3.70748188	4.16985868	2.0599985	0.000224	0.0060873
RSPH9	0.72215138	0.8644046	1.19698531	2.96839672	11.2153683	3.77825788	4.11049095	2.0393107	0.0001886	0.0060873
SLC15A2	0.38514841	0.16947712	0.44003069	1.56684879	5.45051571	3.47864819	4.06816888	2.0243796	0.0002438	0.0060873
FBXO36	0.29934756	0.17840456	0.59597799	1.2134879	4.492539	3.70217042	4.05377584	2.0192663	0.0001452	0.0060873
DRC7	0.26578692	0.24781977	0.93240019	1.0730846	3.88471062	3.62013455	4.03738676	2.0134218	0.0002056	0.0060873
CCDC146	0.89502	0.4322282	0.48292574	3.61215038	12.9579307	3.58731761	4.03583202	2.0128661	0.0001886	0.0060873
CELSR1	0.48875124	0.43347378	0.88690062	1.96279039		3.93052224	4.01592921	2.0057338	0.000173	0.0060873
SGPP2	0.2929337	0.44031017	1.50310522	1.1490461	4.56012712	3.96861982	3.92254668	1.9717906	1.96E-05	0.0060873
DNAAF3	0.52889202	0.45026635	0.85133889	2.02945573	7.6504029	3.76968209	3.83718346	1.9400477	8.45E-05	0.0060873
FAM179A	0.40885602	0.32463324	0.79400381	1.55253051	5.30366947	3.4161451	3.79725481	1.9249568	7.02E-05	0.0060873
FABP6	0.71465317	0.91585178	1.28153324	2.71077191	10.4575111		3.79312937	1.9233886	0.0001886	0.0060873
CDH26	0.3101241	0.29539102	0.95249297	1.16551016	4.43511502		3.75820574	1.910044	0.0002653	0.0060873
KRT18	3.33433124	2.48036462	0.74388669	11.8239988	43.151164	3.64945606	3.54613802	1.8262487	0.0001111	0.0060873
EPHA2	0.49442183	0.22511887	0.45531742	1.70341991	5.77214885	3.38856486	3.44527651	1.7846198	0.000173	0.0060873
TMEM231	1.70840762	0.62686671	0.36693041	5.87418356	20.2328625	3.44437015	3.43839695	1.7817361	0.000173	0.0060873
EFHC1	1.53288473	0.67671878	0.44146749	5.00226405	16.4095995	3.28043449	3.26330086	1.706332	0.000173	0.0060873
DNALI1	1.12296214	0.54446362	0.48484593	3.53755459	12.1898133	3.44583044	3.15019935	1.6554431	0.0001328	0.0060873
PRR29	0.86824238	0.43039171	0.49570456	2.70033932	9.7199804	3.59954037	3.11012153	1.636971	0.0001215	0.0060873
KRT23	0.32703809	0.71764128	2.19436603	1.00536599	4.1321706	4.11011575	3.07415565	1.6201902	1.16E-05	0.0060873
PODXL	0.37347421	0.1746446	0.46762158	1.05083551	3.63788765	3.46190021	2.81367625	1.4924563	7.70E-05	0.0060873
BIK	0.52327047	0.44120496	0.84316808	1.43941898	5.30889537	3.68822103	2.75081255	1.4598578	3.96E-05	0.0060873
CFH	0.4579365	0.43198393	0.94332715	1.25190413	3.70490388	2.95941501	2.73379419	1.4509046	0.0002056	0.0060873
ARHGAP39	0.3962176	0.23153953	0.58437469	1.08240868	3.64664245	3.36900702	2.73185415	1.4498805	0.000224	0.0060873
EVA1C	0.93008057	0.41560639	0.44684988	2.383766	7.01954433	2.94472877	2.56296721	1.357815	0.000224	0.0060873
KIAA1211L	0.77366579	0.28953016	0.37423157	1.95494196	6.08460135	3.11242046	2.52685588	1.3373434	0.0001452	0.0060873
LAMB3	0.60498973	1.42279663	2.35176987	1.52452713	5.46798806	3.58667809	2.51992232	1.3333793	2.17E-05	0.0060873
LRRC23	3.00136621		0.37429865	7.25995546	22.5327817		2.41888359	1.2743413	7.02E-05	0.0060873
SERPINF1				14.8018636				1.2266173	0.0001886	0.0060873
C3				12.5265866				1.1371844	7.02E-05	0.0060873
C21orf58				1.80710759				1.0224279	0.0002056	0.0060873
KCTD1	0.71572369			1.38512586				0.9525424	9.26E-05	0.0060873
ABHD17C	0.7291176			1.39543216				0.9364886	0.0001886	0.0060873
EPS8		0.31048079		1.74477644				0.9018264	1.44E-05	0.0060873
LRRC6				2.22983568				0.8580628	0.0002056	0.0060873
KIAA1161				1.09322205			1.78868144	0.8388965	0.0001215	0.0060873
LOC10050699		0.53973329	0.71781618	1.29254723	3.5952068	2.7814897	1.71901814	0.7815848	0.0001215	0.0060873
FAM188B	0.65108628	0.2819911	0.43310865	1.10800823	2.83497696	2.55862446	1.70178404	0.767048	0.000173	0.0060873
CXCL1	3.99187237	16.2688017	4.07548143	6.72067209	26.4945101	3.94224116	1.68358892	0.7515399	3.96E-05	0.0060873
SLC22A4	2.42281938	0.82201768	0.33928145	4.00711732	8.4066455	2.09792847	1.65390675	0.7258779	0.0001328	0.0060873
CCDC96	0.97805393	0.40305774	0.41210175	1.54466347	3.06830237	1.9863889	1.57932341	0.6593066	0.0001452	0.0060873
S100P				41.7034455				0.6555035	0.0001452	0.0060873
IQCK	1.33963555			2.07114063				0.6285849	0.0001886	0.0060873
IFT140				2.84556986				0.5965483	0.000224	0.0060873
ALPL		5.10220732		1.91894134				0.4913456	7.70E-05	0.0060873
SLC9A3R2	2.15921528			3.00997855			1.39401503	0.4792461	0.000173	0.0060873
		,								

KIAA1522	5.04469586	0.91729748			10.1223197		1.29442617	0.3723127	0.0001328	0.0060873
RFX2	4.59598828	1.00612025	0.21891271	5.76734437	8.33708657	1.44556767	1.2548649	0.3275321	0.0001111	0.0060873
CC2D2A	4.18514517	1.2317156	0.29430654	5.19230291	8.44677629	1.62678804	1.24065061	0.3110969	7.02E-05	0.0060873
IFT46	4.11621759	0.74044378	0.17988451	4.77027682	7.0997296	1.48832654	1.15889812	0.2127537	1.04E-05	0.0060873
MKS1	2.78535103	0.66699437	0.2394651	3.07346182	3.75589659	1.22204108	1.10343787	0.1420054	0.0002653	0.0060873
LRG1	3.12885114	7.83536173	2.50422963	3.39497318	8.72001044	2.56850643	1.08505424	0.1177672	0.0001328	0.0060873
CCL3L1	2.36494648	4.93052458	2.08483558	2.52014289	3.02553711	1.20054189	1.06562365	0.091698	7.02E-05	0.0060873
IL1R1	1.94687593	2.51135538	1.28994115	1.81222583	3.21399891		1.07430095	-0.1033982	7.70E-05	0.0060873
VEGFA	5.46029621	10.1991837	1.86788102	4.68176182	5.69221107	1.21582671	1.1662909	-0.2219277	0.000224	0.0060873
MXD1	7.35938483	13.1313343	1.78429782	4.99843364	3.1422923	0.6286554	1.47233821		0.0002056	0.0060873
HCAR3	33.5957862	63.9314266	1.90295968	20.6514682	9.25700236	0.44824912	1.62679892	-0.7020359	0.0001215	0.0060873
MIR1909	4.9007931	11.81717	2.41127707	2.12853636	6.89226993	3.2380325	2.30242395	-1.2031535	1.29E-05	0.0060873
CCL3	17.103481	49.8397709	2.91401328	7.30334759	7.41228115	1.01491557	2.34186869	-1.2276602	0.000224	0.0060873
ADGRG3	2.06807125	7.94214934	3.84036544	0.86691621	1.23261117	1.42183426	2.38554916	-1.2543214	0.0001328	0.0060873
MIR6869	6.47627931	21.1777345	3.27004651	2.36369546	11.0867144	4.69041576	2.73989583	-1.454121	0.0001886	0.0060873
EGR3	1.40559439	6.06870679	4.3175377	0.462658	0.66587733	1.43924308	3.03808514	-1.6031623	2.17E-05	0.0060873
PI3	13.9443812	62.0314199	4.44848855	4.00017932	8.96156495	2.24029081	3.48593902	-1.8015473	3.59E-05	0.0060873
MIR155	13.4453632	57.0580994	4.24370086	2.53289765	11.8782553	4.68959148	5.30829312	-2.408248	0.0001452	0.0060873
CXCL8	126.375311	633.06233	5.00938296	23.2890936	43.7760563	1.87968055	5.42637309	-2.4399882	2.17E-05	0.0060873
G0S2				3.17077464	6.23100219					
	18.3081045	80.0450132	4.37210816			1.96513562	5.77401633	-2.5295752	4.82E-06	0.0060873
SLC6A14	0.01932551	0.0301646	1.56086925	1.16519338	5.34928629	4.59090003	60.29301	5.9139188	0.0002884	0.0061067
KRT5	0.26873448	0.43638389	1.62384781	15.6026266	72.087418	4.62021043	58.0596386	5.8594637	0.0002884	0.0061067
SLITRK6	0.02362869	0.05027643	2.12777101	1.12417303	5.1414199	4.57351293	47.5766211	5.5721809	0.0002884	0.0061067
CHL1	0.03142279	0.03766181	1.19855089	1.46660207	6.75734718	4.6074851	46.6732043	5.5445226	0.0002884	0.0061067
CXCL6	0.10136848	0.16586632	1.63627121	4.72337478	21.9391554	4.64480513	46.59609	5.542137	0.0002884	0.0061067
MUC13	0.05521645	0.09363522	1.6957851	2.54555756	11.5686974	4.54466149	46.1014389	5.5267399	0.0002884	0.0061067
FGFR2	0.03970769	0.0647966	1.63184009	1.44818102	6.54993012	4.52286698	36.4710453	5.1886796	0.0002884	0.0061067
CEACAM6	0.29208678	0.30110513	1.03087559	6.57643907	28.8537321	4.38744005	22.5153603	4.4928377	0.0002884	0.0061067
TMEM98	0.1168211	0.13606974	1.16477018	1.81266716	7.78730716	4.29604911	15.5166071	3.9557412	0.0002884	0.0061067
ERICH5	0.23755655	0.26459057	1.11380035	3.26344983	13.8195873	4.23465597	13.7375703	3.780055	0.0002884	0.0061067
NCKAP1	0.09238574	0.08465679	0.91634045	1.22256435	5.0920318	4.16504196	13.2332577	3.7260964	0.0002884	0.0061067
CCNO	0.15968817	0.19326076	1.21023847	1.8705249	8.17343737	4.36959561	11.71361	3.5501139	0.0002884	0.0061067
ITGA2	0.1055178	0.07809536	0.74011545	1.15814045	4.79260304	4.13818811	10.9757824	3.4562519	0.0002884	0.0061067
IGFBP5	0.22951046	0.29323962	1.27767431	2.40511559	10.3830601	4.31707322	10.4793289	3.3894744	0.0002884	0.0061067
CCDC108	0.18078321	0.22945305	1.26921659	1.82584008	7.67455087	4.2032985	10.0996111	3.3362278	0.0002884	0.0061067
EPB41L4B	0.11535873	0.12581514	1.09064257	1.07848703	4.63904139	4.30143458	9.34898484	3.2248097	0.0002884	0.0061067
TEKT2	0.45327868	0.69866284	1.54135385	4.09911481	17.954605	4.38011763	9.0432552	3.1768422	0.0002884	0.0061067
MDH1B	0.15039952	0.13147048	0.87414162	1.34499799	5.66376929	4.21098718	8.94283429	3.1607321	0.0002884	0.0061067
DNAJB13	0.15533603	0.17212318	1.10806987	1.30391577	5.53461842	4.24461346	8.39416155	3.0693862	0.0002884	0.0061067
IQCD	0.15818057	0.23638262	1.49438465	1.15438594	4.81460646	4.17070781	7.29789963	2.8674813	0.0002884	0.0061067
FBXO15	0.23589633	0.21107197	0.89476582	1.21140798	4.69284648	3.87387781	5.13534055	2.36046	0.0002884	0.0061067
DSP	0.50943135	0.85922315	1.68663188	2.48051087	10.2425879	4.12922515	4.86917595	2.2836776	0.0002884	0.0061067
SPAG8	0.86143741	0.56467915	0.65550804	3.90991127	14.9969241	3.83561749	4.53882222	2.182318	0.0002884	0.0061067
MUC20	1.10453391	0.86180472	0.78024288	4.58244432	16.7106244	3.64666175	4.14875837	2.0526796	0.0002884	0.0061067
ARL4D	0.44102748	0.31768578	0.72033102	1.68681409	6.0465237	3.58458216	3.82473694	1.9353605	0.0002884	0.0061067
TRAF4	0.58236327	0.47210972	0.81067907	2.20480251	7.74838819	3.51432301	3.78595735	1.9206582	0.0002884	0.0061067
CCDC176	0.70788838	0.34408611	0.48607396	2.42495582	7.91254027		3.42561891	1.7763647	0.0002884	0.0061067
GRAMD3		0.49072484				2.63434095		1.0042717	0.0002884	0.0061067
FFAR2	5.40977903	8.08143273	1.49385634	3.53448432	1.83679749	0.51967906	1.53057095	-0.6140699	0.0002884	0.0061067
DAPL1	0.02523514	0.07955117	3.15239692	1.766522	8.18598585	4.63395636	70.0024706	6.1293339	0.0003134	0.0061869
UGT2A1	0.0627279	0.13910559	2.21760329	3.28671479	15.2425314	4.63761913	52.3963813	5.7113953	0.0003134	0.0061869
SLC5A8	0.02558177	0.05599033	2.18868132	1.08665715	4.957737	4.56237463	42.4778016	5.4086372	0.0003134	0.0061869
RHOV	0.03865973	0.07659923	1.9813699	1.48433164	6.66222706	4.4883683	38.3947706	5.2628379	0.0003134	0.0061869
CHP2	0.03504525	0.06013191				4.54415592	38.3873485	5.262559	0.0003134	0.0061869
AQP5						4.59138646		5.2583792	0.0003134	0.0061869
COLCA2		0.07788498		1.37933494		4.55048279		5.1390788	0.0003134	0.0061869
SEMA3F						4.60067781		4.998581	0.0003134	0.0061869
BPIFB1			1.03160713			4.51650878		4.9030737	0.0003134	0.0061869
SERPINB3						4.58316727		4.8891317	0.0003134	0.0061869
SCGB1A1	95.4334834			2175.26275			22.7934963	4.5105503	0.0003134	0.0061869
ST6GALNAC1								4.1997108	0.0003134	0.0061869
CYP2B7P	0.20571822	0.20409239	0.99209683	3.65358422	16.3173625	4.46612464	17.7601394	4.150571	0.0003134	0.0061869
ROPN1L	1.05271482	1.25446717	1.19164958	16.2613835	72.1849841	4.43904322	15.4470928	3.9492634	0.0003134	0.0061869
PCDH1	0.07904362	0.09831806	1.2438456	1.14413362	4.93894773	4.31675782	14.4747115	3.8554627	0.0003134	0.0061869
PSCA	1.17856817	1.47368204	1.25040034	16.3482328	72.7928344	4.45264239	13.8712662	3.7940276	0.0003134	0.0061869

CGN	0.09882707	0.12693601	1.28442551	1.29507561	5.67349513	4.38082153	13.1044624	3.7119863	0.0003134	0.0061869
VSTM2L	0.19655802	0.23211311	1.18088847	2.48236851	10.4530506	4.21091813	12.6291894	3.6586901	0.0003134	0.0061869
CCDC74A	0.29861067	0.40435285	1.35411387	3.67216938	15.9959646	4.35599858	12.2975157	3.620295	0.0003134	0.0061869
IRX3	0.16801965	0.20262198	1.20594217	1.84200565	7.98344738	4.33410582	10.9630374	3.4545757	0.0003134	0.0061869
MYH14	0.18932966	0.18339798	0.96867009	1.66089698	6.90296309	4.15616573	8.77251345	3.1329903	0.0003134	0.0061869
RSPH14	0.12999907	0.17785806	1.36814873	1.03825583	4.47837892	4.31336746	7.98664052	2.9975888	0.0003134	0.0061869
RIBC2	0.18248317	0.18250877	1.00014033	1.38380836	5.67450771	4.10064564	7.58321106	2.9228089	0.0003134	0.0061869
PPOX	4.7582031	1.13501393	0.23853835	6.67569091	12.1791812	1.8244076	1.4029857	0.4885003	0.0003134	0.0061869
RNF145	6.44066724	1.51159313	0.23469511	8.199695	7.74588041	0.9446547	1.27311266	0.3483601	0.0003134	0.0061869
RNU1-1	6.39773379	20.6005135	3.2199704	5.36701909	8.1537389	1.51923046	1.19204603	-0.2534399	0.0003134	0.0061869
BPIFA1	3.38598937	3.9539675	1.16774362	908.496043	4250.43398	4.67853879	268.310365	8.067759	0.0003404	0.0062516
KRT15	0.0656195	0.07834847	1.19398143	16.8212256	78.4744987	4.66520697	256.344921	8.0019425	0.0003404	0.0062516
			1.65937962							
TMEM213	0.01118196	0.01855512		1.26359639	5.87131199	4.64650899	113.003119	6.8202188	0.0003404	0.0062516
NTS	0.05469329	0.15844911	2.89704819	4.96583521	23.0836905	4.64850112	90.7942259	6.5045286	0.0003404	0.0062516
SCGB3A1	14.9291328	16.6123095	1.11274444	897.249505	4166.11522	4.64320704	60.1005776	5.909307	0.0003404	0.0062516
SCNN1G	0.02754778	0.04398682	1.59674652	1.2137931	5.64221957	4.64841955	44.0613834	5.4614429	0.0003404	0.0062516
CYP2A13	0.05541324	0.14360717	2.59156772	1.49622796	6.89961571	4.6113399	27.0012713	4.7549554	0.0003404	0.0062516
SERPINB11	0.08560155	0.15979678	1.86675093	1.74868921	7.92996749	4.53480666	20.428242	4.3524931	0.0003404	0.0062516
PITX1	0.06667778	0.0883344	1.32479517	1.09851711	4.90264056	4.46296239	16.4750113	4.0422076	0.0003404	0.0062516
FOXA1		0.21273129	1.19124362	2.8208459						
	0.17857917				12.6526663	4.48541564	15.7960527	3.9814922	0.0003404	0.0062516
KLK11	0.28875498	0.46503107	1.61046943	4.28306297	19.0640697	4.45103653	14.8328625	3.8907251	0.0003404	0.0062516
DEGS2	0.23683484	0.35012929	1.47836901	2.80669931	12.376347	4.40957353	11.8508717	3.5669213	0.0003404	0.0062516
TUBA4B	0.23143388	0.34441389	1.48817402	2.54253532	10.8197319	4.25548932	10.9860118	3.4575958	0.0003404	0.0062516
TTC39A	0.13628823	0.12826299	0.94111564	1.11173656	4.38557249	3.9447947	8.15724529	3.028082	0.0003404	0.0062516
PTPRN2	0.22416546	0.18173253	0.81070711	1.51649653	5.88069542	3.87781661	6.76507664	2.7581063	0.0003404	0.0062516
KIF21A	0.32948915	0.32053342	0.97281937	2.12055922	8.07278086	3.8069113	6.43590007	2.6861419	0.0003404	0.0062516
	1.3234051	1.27143493	0.96072996	7.45569546	29.1779525	3.91351185	5.63372125	2.4940882	0.0003404	0.0062516
ZMYND10										
PIH1D2	0.43158347	0.29482961	0.68313462	2.17539651	8.25707474	3.79566424	5.04050007	2.3335669	0.0003404	0.0062516
HS3ST1	0.61809455	0.38914064	0.62958109	2.07046936	7.02258076	3.39178202	3.34976155	1.7440584	0.0003404	0.0062516
LARP6	0.5304065	0.61345271	1.15657086	1.63425402	6.19973726	3.79361909	3.08113496	1.6234619	0.0003404	0.0062516
PPP1R36	0.3517836	0.27496349	0.7816268	1.03070627	3.15781309	3.06373714	2.92994404	1.5508731	0.0003404	0.0062516
TTC26	0.43730808	0.19648012	0.44929452	1.01469336	2.9553219	2.91252709	2.32031698	1.2143219	0.0003404	0.0062516
C9orf3	0.80419238	0.31214571	0.38814806	1.64607268	4.59373519	2.79072439	2.04686431	1.0334155	0.0003404	0.0062516
CCL15	0.63917741	0.80457218		1.28901869	3.85085078	2.98742821	2.01668375	1.0119849	0.0003404	0.0062516
IFT22	2.08431207	0.47113699	0.22603956	3.258545	6.93190721	2.12730136	1.56336714	0.6446566	0.0003404	0.0062516
ZBED5-AS1	7.57976552	2.01667135	0.26605986	8.16498818	8.4289245	1.03232538	1.07720855	0.1072976	0.0003404	0.0062516
KRT17	0.0377213	0.0612202	1.62296099	6.3009373	29.0501669	4.61045168	167.039225	7.3840431	0.0003694	0.0064897
MMP10	0.03280443	0.07504756	2.28772648	4.45334622	20.6495084	4.63685224	135.754425	7.0848554	0.0003694	0.0064897
CYP26A1	0.01837466	0.04803073	2.6139651	1.60195884	7.45336666	4.65265803	87.1830369	6.4459756	0.0003694	0.0064897
DNAH12	0.11304464	0.14889709	1.31715308	1.43555596	6.15450888	4.28719539	12.6990184	3.6666451	0.0003694	0.0064897
CLIC6	0.18967336	0.20587737	1.08543112	1.89348435	7.9340804	4.1902012	9.98286913	3.3194545	0.0003694	0.0064897
MORN5										0.0064897
	0.61000764	0.82601081	1.35409913	5.84422977	22.9310367	3.92370553	9.58058459	3.2601137	0.0003694	
IQCA1	0.35478359	0.26352256	0.74276989	1.21038031	4.54395316	3.75415324	3.41160177	1.7704493	0.0003694	0.0064897
CDS1	1.10230852	0.41345969	0.37508527	3.31977786	10.3401052	3.11469792	3.01165945	1.5905586	0.0003694	0.0064897
IFT81	0.68874938	0.24513737	0.35591664	1.55366149	4.24392409	2.7315629	2.25577189	1.1736212	0.0003694	0.0064897
NEK11	1.37455759	0.46056904	0.33506711	2.74575309	6.7001183	2.44017509	1.99755406	0.9982346	0.0003694	0.0064897
TREML2	1.00993114	1.26527343	1.25283138	0.7303595	0.560245	0.76708114	1.38278634	-0.4675783	0.0003694	0.0064897
CCL4	34.2816659	88.696128					1.61611433		0.0003694	0.0064897
PROK2	3.02406083				2.17607166				0.0003694	0.0064897
FCGBP	0.10654969	0.08097404			13.9822821			4.9021478	0.0004008	0.0067357
PRSS23		0.18249384			33.0389557			4.8106628	0.0004008	0.0067357
RAB25	0.0928177	0.12700803	1.36836004	2.06603596	9.09073335	4.40008477	22.2590729	4.4763216	0.0004008	0.0067357
CLCA2	0.06716981	0.10492379	1.56206787	1.34551133	5.94456594	4.418072	20.0314909	4.3241979	0.0004008	0.0067357
SLC23A1	0.12902366	0.11636518	0.90189023	1.42959204	6.18585523	4.32700732	11.0800765	3.4698959	0.0004008	0.0067357
TJP3	0.20916883	0.24478805	1.17028934	2.22184316	9.24639282	4.16158665	10.622248	3.4090172	0.0004008	0.0067357
PPIL6	0.19724274				4.79674194			2.6421326	0.0004008	0.0067357
RIIAD1			1.58326202				6.0540674	2.5979047	0.0004008	0.0067357
BAIAP2L1			0.48878753					2.0375685	0.0004008	0.0067357
ERBB2	0.58740097	0.32172923	0.54771655	2.28531627	8.12984631	3.55742722	3.89055587	1.9599763	0.0004008	0.0067357
TOM1L1	0.54972094	0.36747905	0.6684829	1.0749833	2.89909716	2.69687648	1.95550727	0.9675429	0.0004008	0.0067357
PKP4	2.20595241	0.35197121	0.15955521	2.91591818	4.08677629	1.40154011	1.32184093	0.4025486	0.0004008	0.0067357
SNORA7A	9.91658414	45.7980428	4.61832846	9.37335682	33.1784744	3.53965767	1.05795441	-0.0812775	0.0004008	0.0067357
FAM3D			1.35705508			4.40439048		4.433101	0.0004345	0.0070771
TP63			0.69143971				18.6033248	4.2174886	0.0004345	0.0070771
CEACAM5	0.07518733	0.08416565	1.11941274	1.04954386	4.30865156	4.162428/6	13.9590528	3.8031291	0.0004345	0.0070771

TMEM190	1.41436332	2.115862	1.49598195	17.6208592		4.32286652	12.4585097	3.6390596	0.0004345	0.0070771
FANK1	0.22742247	0.20025963	0.88056221	1.58217268	6.39257819	4.04037958	6.9569761	2.7984604	0.0004345	0.0070771
LOC10013098	0.35098675	0.34257589	0.97603653	1.03182384	3.49752169	3.38965002	2.93978004	1.5557082	0.0004345	0.0070771
NUCB2	9.32935103	1.87635377	0.20112372	16.6579946	31.3568438	1.88239009	1.78554698	0.8363661	0.0004345	0.0070771
TP53INP2	3.36854138	1.19286105	0.35411797	3.34275955	2.74415951	0.82092638	1.00771274	-0.0110844	0.0004345	0.0070771
SNORD104	255.40281	805.346811	3.15324178	87.3657591	216.125307	2.47379877	2.92337425	-1.5476345	0.0004345	0.0070771
MIR4700	2.44E-05	0.00011394	4.67846608	3.55570778	16.6777319	4.69041129	146001.055	17.155619	0.0004708	0.00746
BCAM	0.04596154	0.07064154	1.53697073	2.30892464	10.303108	4.4622972	50.2360141	5.6506501	0.0004708	0.00746
DAW1	0.11357599	0.13706809	1.2068403	1.47566692	6.39452721	4.33331338	12.9927714	3.6996373	0.0004708	0.00746
LOC10192731	0.2185513	0.46978197	2.14952728	2.33856282	9.71164533	4.15282637	10.7002926	3.4195783	0.0004708	0.00746
	0.41386983	0.64573417								
FXYD1			1.56023494	3.0513105	12.6993935	4.16194729	7.37263337	2.88218	0.0004708	0.00746
TMEM54	0.27939032	0.46147296	1.65171421	1.22827373	4.44144741	3.61600783	4.39626442	2.1362782	0.0004708	0.00746
C2orf40	0.62546197	0.951197	1.52079109	1.69512046	5.83478164	3.44210443	2.71018948	1.4383937	0.0004708	0.00746
IRAK2	3.03852441	8.37526333	2.75635874	1.66146932	1.16652758	0.702106	1.82881765	-0.8709112	0.0004708	0.00746
C4orf22	0.06230159	0.11078086	1.77813871	1.32483894	5.85631942	4.42040103	21.2649311	4.4104043	0.0005098	0.0078925
SULT2B1	0.10885417	0.20790181	1.9099114	1.44945976	6.0989982	4.2077734	13.3156113	3.7350468	0.0005098	0.0078925
STEAP4	0.49069386	0.91530889	1.86533593	3.39835082	11.8068658	3.4742928	6.92560287	2.7919397	0.0005098	0.0078925
TTLL10	0.40874765	0.38162834	0.93365268	1.61859961	5.78539133	3.574319	3.9598995	1.9854638	0.0005098	0.0078925
PDLIM4	0.45675903	0.46089836	1.0090624	1.3877697	4.48187463	3.22955216	3.03829726	1.603263	0.0005098	0.0078925
TNKS1BP1	0.4121243	0.15233809	0.36964112	1.03808041	2.90180101	2.79535283	2.51885271	1.3327668	0.0005098	0.0078925
CFAP44	0.52045893	0.21794986	0.41876476	1.30590455	3.74931804	2.87105061	2.50914043	1.3271932	0.0005098	0.0078925
CENPM	4.14536862	2.76563677	0.66716305	7.06736955	18.7358886	2.6510413	1.70488326	0.769673	0.0005098	0.0078925
TUBB4B	79.7120862	23.1819044	0.29082045	116.546623	183.583234	1.57519136	1.46209475	0.5480368	0.0005098	0.0078925
EFCAB10	0.16924629	0.24677393	1.45807586	2.82022352	11.5810448	4.10642801	16.6634288	4.0586134	0.0005518	0.0083214
ANKRD66	0.21492886	0.35785906	1.66501172	3.20046256	13.8441789	4.32568063	14.8907999	3.8963493	0.0005518	0.0083214
								3.3303535		
EHF	0.45071243	0.355484	0.78871576	4.53352323	18.4683339	4.07372653	10.0585715		0.0005518	0.0083214
ENKUR	0.16712685	0.19075218	1.14136173	1.48555977	6.09845395	4.10515556	8.88881598	3.1519913	0.0005518	0.0083214
FAM229B	0.37657503	0.20764842	0.55141314	1.43457613	4.63520608	3.23106316	3.80953601	1.9296153	0.0005518	0.0083214
GPR162	1.67852486	0.74177365	0.44191997	3.79931555	10.2680883	2.7026153	2.26348482	1.1785456	0.0005518	0.0083214
DENND6B	0.82534724	0.3684845	0.44645997	1.85573543	5.04616158	2.71922468	2.24842991	1.1689179	0.0005518	0.0083214
PIK3R3	0.51142262	0.20824258	0.40718297	1.06088364	2.68042596	2.52659751	2.0743776	1.0526785	0.0005518	0.0083214
MIR22	3.37255862	18.161784	5.38516481	34.8483636	163.453314	4.69041576	10.3329156	3.3691755	0.0005969	0.0088214
GOLGA2P10	0.14608318	0.19131056	1.3096002	1.45503597	5.93349553	4.07790299	9.96032542	3.3161929	0.0005969	0.0088214
GPC1	0.61622641	0.29393883	0.47699811	1.3012974	3.44846106	2.65001764	2.1117196	1.0784183	0.0005969	0.0088214
MYO1D	0.74572979	0.56966313	0.76390019	1.5246842	4.5487235	2.98338732	2.04455315	1.0317856	0.0005969	0.0088214
ELL3	1.39895328	0.30830726	0.22038424	1.76982296	2.27303326	1.28432805	1.26510512	0.3392573	0.0005969	0.0088214
OSM	6.54277583	19.1412538	2.9255555	4.39076859	7.38482021	1.68189693	1.49012085	-0.5754293	0.0005969	0.0088214
TFF3	1.9621021	1.5605871	0.79536488	9.85509048	35.1768556	3.5694097	5.02272051	2.328469	0.0006453	0.0093074
UBXN10	2.05271117	0.88576282	0.43150874	5.88294586	18.4658719	3.13888184	2.86593942	1.5190081	0.0006453	0.0093074
CRNDE	0.51034858	0.32798256	0.64266379	1.45884548	4.30894469	2.95366765	2.85852754	1.5152722	0.0006453	0.0093074
CD55	40.2972931	14.0178319	0.34786039	39.5030182	19.1202848	0.48402086	1.02010669	-0.02872	0.0006453	0.0093074
NR4A3	1.72253409	3.03449611	1.76164648	0.96881104	0.85365003	0.88113161	1.77798768	-0.8302453	0.0006453	0.0093074
ADIRF	0.34266508	0.37591717	1.09703962	4.88242823	20.4082207	4.17993255	14.2483974	3.8327278	0.0006973	0.0097523
MTSS1L	0.29485366	0.25844554	0.87652138	1.23739423	4.46680977	3.60985179	4.19663849	2.0692342	0.0006973	0.0097523
	0.50849416		0.54834096	1.87702055						0.0097523
PLEKHA5		0.27882817			5.74519244	3.06080424	3.69133158	1.8841413	0.0006973	
KLHDC9	0.57958042	0.62421438	1.0770108	1.81616959	6.48783798	3.57226441	3.13359374	1.6478182	0.0006973	0.0097523
ZDHHC1	0.49544696	0.28137768	0.56792694		4.21362611	3.12245131	2.72372434	1.4455807	0.0006973	0.0097523
CEP126			0.55438077					1.4335026	0.0006973	0.0097523
MORN2		1.93045385			21.3738032			0.7679082	0.0006973	0.0097523
SNORD105B	3.64006552	16.1091486	4.42551062	4.49755909	17.9723128	3.99601483	1.23557092	0.3051778	0.0006973	0.0097523
PTK2	2.54524448	0.72688226	0.28558446	2.88059836	3.87853663	1.34643436	1.13175704	0.1785643	0.0006973	0.0097523
RNU2-2P	245.52478	931.026353	3.79198529	76.994485	157.954156	2.05149961	3.1888619	-1.6730416	0.0006973	0.0097523
MUC5AC	0.31459818	0.29829316	0.9481719	2.62551039	10.1309725	3.85866785	8.34559939	3.0610157	0.000753	0.0103491
ZNF295-AS1	0.21539029	0.37682275	1.74948814	1.13557777	4.4109651	3.88433554	5.27218656	2.3984014	0.000753	0.0103491
TSPAN13	1.20611261	1.1630318	0.96428127	4.01750046	11.7900903	2.93468301	3.33094971	1.7359336	0.000753	0.0103491
CATIP			0.41115704					1.6676641	0.000753	0.0103491
IRF6			0.51386765					1.4726843	0.000753	0.0103491
ATP6V1C2			0.44617729					1.0265578	0.000753	0.0103491
IFT172			0.22434265					0.6378529	0.000753	0.0103491
		3.61552145			2.64123191		1.2690959	0.8378329	0.000753	
RNU1-27P										0.0103491
RNY3			3.29816764						0.000753	0.0103491
SMIM22			1.15024797					3.6006398	0.0008127	0.0109331
STMND1		0.19635254			4.42948866		9.70021772	3.2780171	0.0008127	0.0109331
SPEF1			1.30955751					2.8450691	0.0008127	0.0109331
PPP1R32	0.40357277	0.3850258	0.95404306	1.76696929	6.51143925	3.6850891	4.3783164	2.1303762	0.0008127	0.0109331

GALNT3	0.40783638	0.31761077		1.58926119			3.89681079	1.9622939	0.0008127	0.0109331
ELK3	3.00879448	1.27973717	0.4253322	4.07820046	5.69113815	1.39550231	1.35542673	0.4387471	0.0008127	0.0109331
P4HTM	6.97638552	1.19815977	0.17174506	8.90387909	11.1215151	1.24906403	1.27628828	0.3519542	0.0008127	0.0109331
C2orf81	1.41031393	0.64890392	0.4601131	1.67727741	2.8251216	1.68434965	1.18929365	0.250105	0.0008127	0.0109331
SNORD2	130.23559	417.098741	3.20264792	66.2910318	136.098101	2.05303941	1.96460345	-0.9742381	0.0008127	0.0109331
WDR86-AS1	1.16259683	1.17902582	1.01413129	7.74518951	28.7440339	3.71121119	6.66197367	2.7359497	0.0008768	0.0115904
C9orf9	3.61555866	2.46788942	0.68257485	9.08217327	27.0881529	2.98256289	2.51196956	1.328819	0.0008768	0.0115904
HN1L	6.25948517	1.07202309	0.17126378	8.26644182	10.2169318	1.23595278	1.32062647	0.4012225	0.0008768	0.0115904
C15orf26	0.17498932	0.21659536	1.23776332	1.21438601	4.6011479	3.78886767	6.93977228	2.7948883	0.0009453	0.0113304
DCDC2B	0.5315787	0.31065906	0.5844084	2.33929473	8.10734735	3.46572292	4.40065547	2.1377184	0.0009453	0.012227
VNN3	0.24462474	0.42504282	1.73752999	1.02661322	3.15060827	3.06893406	4.19668602	2.0692505	0.0009453	0.012227
ISYNA1	0.44424251	0.29019258	0.65323009	1.56815418	5.02649667	3.20535871	3.52995072	1.819648	0.0009453	0.012227
EGR1	2.70275276	1.84642231	0.6831636	8.30841686	22.2983585	2.6838276	3.07405731	1.6201441	0.0009453	0.012227
NAT14	0.52987357	0.3229715	0.6095256	1.54269811	4.7630387	3.08747295	2.9114457	1.5417357	0.0009453	0.012227
CCDC40	1.22726791	0.67779946	0.55228321	2.54095418	7.20115754	2.83403675	2.07041523	1.0499201	0.0009453	0.012227
SLC20A2	2.62358438	0.67578988	0.25758267	3.87467727	7.41422878	1.91350873	1.47686398	0.562537	0.0009453	0.012227
CREB3L4	1.71538997	0.69843653	0.40715904	2.24374932	3.27812148	1.46100166	1.30801122	0.3873749	0.0009453	0.012227
RUVBL1	8.53614241	1.78095057	0.20863646	10.1386696	10.4262296	1.0283627	1.18773435	0.2482122	0.0009453	0.012227
S100A14	0.10297945	0.20457161	1.9865285	1.22735739	4.80132622	3.91192188	11.9184692	3.575127	0.0010187	0.0129495
IL5RA	0.16120811	0.18751164	1.16316506	1.09071106	4.0058287	3.67267634	6.76585733	2.7582728	0.0010187	0.0129495
CXCL11	2.56140697	2.17865226	0.85056857	3.4470115		1.78493919	1.34574925	0.4284096	0.0010187	0.0129495
SCARNA22	2.65655276	8.6816577	3.26801629	3.26126727	9.89607757	3.03442703	1.22763128	0.2958773	0.0010187	0.0129495
C11orf49	5.92284345	0.9592651	0.16196023	6.84014911	7.34294345	1.07350634	1.15487589	0.2077378	0.0010187	0.0129495
C22orf23	1.67231324	0.78771911	0.47103562	1.57099923	2.10300392	1.33864097	1.06449017	-0.0901626	0.0010187	0.0129495
SNORD12	12.1542828	38.2019497	3.14308548	6.35918182	12.5648907	1.97586593	1.91129663	-0.9345517	0.0010187	0.0129495
SNORD67	31.3761931	97.1361556	3.09585536	14.5160686	54.7364507	3.77074896	2.16148007	-1.1120195	0.0010187	0.0129495
KRT4	0.1264938	0.15321093	1.21121291	1.20224551	4.70894565	3.91679203	9.50438267	3.2485929	0.0010972	0.0137116
LY6D	0.1552733	0.48675503	3.13482753	1.2023415	5.15449513	4.28704751	7.74338842	2.952965	0.0010972	0.0137116
CCDC65	0.35713407	0.34943251	0.97843511	2.60220216	9.54996451	3.66995488	7.2863454	2.8651954	0.0010972	0.0137116
SPEF2	0.39133228	0.28483233	0.72785291	1.310631	3.75860953	2.86778624	3.34915129	1.7437955	0.0010972	0.0137116
ANKRD37	1.4357169	1.04584863	0.72845046	3.48716896	8.93413892	2.56200346	2.42886948	1.280285	0.0010972	0.0137116
MUC1	0.4353279	0.35378346	0.81268272	2.27203369	7.59529197	3.34294866	5.21913184	2.3838098	0.0011812	0.014459
B9D1	1.19038382	0.90196832	0.75771218	5.21995968	17.9711151	3.44276895	4.38510636	2.1326118	0.0011812	0.014459
ECE1	2.87479179	2.76114761	0.96046873	5.60040196	10.5705145	1.8874564	1.94810698	0.9620729	0.0011812	0.014459
KIAA1407	1.0929991	0.37028532	0.33877916	1.75153368	3.55833904		1.6025024	0.6803265	0.0011812	0.014459
SNORD12C	35.1290069	139.654545	3.97547661	34.11915	149.368974	4.37786328	1.02959795	-0.0420811	0.0011812	0.014459
GBP1P1	1.36218987	1.0647891	0.78167451	0.99743001	1.1087942	1.11165114	1.36569971	-0.4496403	0.0011812	0.014459
SNORD58A	26.1361897	116.502425	4.45751376	17.8741364	83.8371309	4.69041576	1.46223511	-0.5481753	0.0011812	0.014459
GPRC5C	0.14924384	0.15557154	1.0423984	1.36633991	5.15876647	3.77560989	9.15508424	3.1945732	0.0012709	0.0152537
LRRC18	0.1833764	0.15675564	0.85482996	1.20955291	3.92203578	3.24254998	6.59601188	2.721594	0.0012709	0.0152537
LOC10192768		0.44000416	1.44055693	1.13904277	3.65825053	3.21168846	3.72918287	1.8988595	0.0012709	0.0152537
C10orf95	0.51721455	0.32810741	0.63437389	1.17028416		2.71794082	2.26266674	1.1780241	0.0012709	0.0152537
CCDC170	3.36771362	1.46519351	0.4350707	7.02160141	18.1248492	2.5812985	2.0849758	1.0600306	0.0012709	0.0152537
TPBG	0.99476307	1.05806106	1.06363123	1.52667332	3.24804656	2.12753215	1.53471049	0.6179665	0.0012709	0.0152537
IFT27	8.79779276	2.08221514	0.23667472	9.77134046	11.0162884	1.12740811	1.11065818	0.1514149	0.0012709	0.0152537
SNORA49	6.61736897	24.9297429	3.76731946	1.84448091	7.80809955	4.23322329	3.58765923	-1.8430429	0.0012709	0.0152537
NT5DC2	0.55629676	0.37262546	0.66983215	1.24092235	3.08454332	2.48568602	2.23068412	1.1574862	0.0013667	0.0161329
CCL8	0.86301001	1.26371052	1.46430574	1.60646855	4.32401474	2.69162738	1.86147151	0.8964435	0.0013667	0.0161329
ATP8B1			0.58263202			2.31663366		0.5274839	0.0013667	0.0161329
MIRLET7F2		7.82735649	3.0083034			2.26682661		1.4070317	0.0014689	0.0170318
SPA17			0.49791715					0.9364734	0.0015781	0.0179959
BASP1	5.86583517		1.83894632				1.1840787	0.243765	0.0015781	0.0179959
IL1B			1.62426304						0.0015781	0.0179959
CKB			0.97032843				9.0644416	3.1802181	0.0016944	0.0190293
LINC00094		0.43353027			2.16357056		1.0818459	0.113495	0.0016944	0.0190293
SNORA54		37.6208747				3.40132355			0.0016944	0.0190293
SNORA12			1.94731243					2.9837652	0.0018185	0.0200965
CDH1			3.13198127				1.5414488	0.624287	0.0018185	0.0200965
ARL3	1.89896279	0.45693614	0.24062406	2.53890318	3.11790924	1.22805362	1.3369947	0.4189937	0.0018185	0.0200965
PTGS2	2.1784651	7.5556954	3.46835733	1.26438746	1.23209721	0.97446175	1.72294109	-0.7848734	0.0018185	0.0200965
NEBL	0.06457547	0.08003742	1.23944012	1.07481482	3.817176	3.55147317	16.6443215	4.0569582	0.0019506	0.0211251
NBL1	0.41213736	0.54974277	1.33388239	1.70061954	5.6037026	3.29509479	4.1263416	2.0448633	0.0019506	0.0211251
NPHP1			0.41504223			3.07534272		1.9629771	0.0019506	0.0211251
LRIG1			0.54137045		14.062627		3.84055166	1.9413136	0.0019506	0.0211251
IGFBP7	2.21761035	1.1597317		6.56567914			2.96070009	1.5659384	0.0019506	0.0211251
	01000	,	5.5225676						3.0000	

				40.5050555				4 4 7 4 7 0 0 0		0.0044054
MT1X		3.17460022	0.52442103		35.3339607	2.59134871		1.1715029	0.0019506	0.0211251
TMEM67	1.22031835	0.52183339	0.4276207	1.85471282	3.41550851	1.84152958	1.51985982	0.6039383	0.0019506	0.0211251
TRAF3IP1	1.6787431	0.44439423	0.26471843	2.47330518	4.79394903	1.93827639	1.47330773	0.5590588	0.0019506	0.0211251
CFB	4.72563828	1.49935342	0.31728062	5.97726	7.97784525	1.33469939	1.26485771	0.3389751	0.0019506	0.0211251
IER3	10.2432662	20.1175161	1.96397474	10.807155	14.9632571	1.38456949	1.05504971	0.077311	0.0019506	0.0211251
MIR10B	2.05669345 38.1775035	4.37409871	2.1267626	2.08382	6.3552383	3.04980195	1.0131894	0.0189039	0.0019506	0.0211251
CXCR4 SOD2	80.4146931	62.7343412 135.930676	1.64322796 1.69037114	30.6805268 62.9322409	22.6147554 27.1796558	0.73710453 0.43188762	1.24435619 1.27779802	-0.3153995 -0.3536598	0.0019506 0.0019506	0.0211251
TNFAIP6	5.877234	14.2408314	2.42304993	3.64372486	3.19244941	0.43188762	1.61297415	-0.6897233	0.0019506	0.0211251 0.0211251
CCL4L1	14.1475774	43.0738625	3.04461049	7.53136409	6.44565477	0.85584161	1.87848804	-0.9095719	0.0019506	0.0211251
IGFBP3	0.15079468	0.19077909	1.26515792	3.70209452	12.7672361	3.44865211	24.5505644	4.6176843	0.0013300	0.0221231
DUSP14	1.53275241	1.17694792	0.76786564	4.25501191	12.6779943	2.97954378	2.77605951	1.4730385	0.0020913	0.0222042
CYB5D1	1.79669266	0.49367718	0.27476997	3.14962273	5.25572893	1.66868523	1.75301141	0.8098354	0.0020913	0.0222042
RBKS	0.963252	0.56960206	0.59133234	1.52925296	3.84985138	2.51747193	1.58759385	0.6668419	0.0020913	0.0222042
ODF3B	16.9594135	6.71700583	0.39606357	19.5783986	25.4520086	1.30000461	1.15442664	0.2071765	0.0020913	0.0222042
KCNJ15	1.55208658	4.86279872	3.13307182	1.17410712	1.82111777	1.55106612	1.32192928	-0.402645	0.0020913	0.0222042
NDRG2	1.70698259	0.74039012	0.43374205	4.63780133	13.2369078	2.85413429	2.71695878	1.4419927	0.0022411	0.0234239
RARRES1	3.94463255	4.61204723	1.16919565	10.3486252	29.6743501	2.86746786	2.62347001	1.3914763	0.0022411	0.0234239
SPATA33	1.7209639	0.50439925	0.29309113	1.9751695	2.66343433	1.34845862	1.14771118	0.1987596	0.0022411	0.0234239
RNU4-1	9.08256172	29.1724597	3.21191979	6.93514773	14.2713343	2.057827	1.30964214	-0.3891727	0.0022411	0.0234239
SNORA2A	0.24785035	0.94958713	3.83129234	9.11923818	39.9565563	4.38156735	36.7933246	5.2013721	0.0024004	0.0247159
LYPD2	0.31823928	0.52431367	1.64754544	7.75971555	24.8771563	3.20593663	24.3832743	4.60782	0.0024004	0.0247159
C19orf33	0.23445548	0.38546497	1.64408598	3.99991259	15.9661281	3.99161925	17.0604353	4.0925826	0.0024004	0.0247159
TTC16	0.26101747	0.32944424	1.26215398	1.24078604	3.94045102	3.17576996	4.75365132	2.2490361	0.0024004	0.0247159
DPCD	4.22907517	1.56122803	0.36916535	7.06668991	15.4405668	2.18497868	1.67097761	0.7406924	0.0024004	0.0247159
SNORD84	27.7354035	82.0028415	2.95661254	23.5658227	56.5340654	2.39898543	1.17693338	-0.2350327	0.0024004	0.0247159
SNORD90	7.85513448	26.0704865	3.31891027	3.94287636	7.83207885	1.98638713	1.99223454	-0.9943875	0.0024004	0.0247159
RNU2-1	24.1715513	91.7602379	3.79620806	3.24393182	6.23188213	1.92108912	7.451313	-2.8974947	0.0024004	0.0247159
MIR4674	1.84159655	5.81549205	3.15785347	73.1195455	342.961068	4.69041576	39.7044322	5.3112282	0.0025697	0.0259772
TTC21A	0.87110963	0.3284731	0.37707436	1.63877169	3.83187032	2.33825758	1.8812462	0.9116887	0.0025697	0.0259772
RHOD	4.55420103	2.88963723	0.63449927	4.51888764	5.89991416	1.30561205	1.00781462	-0.0112303	0.0025697	0.0259772
SNORA37	4.61952207	17.8313479	3.85999842	3.75369682	10.1852214	2.71338413	1.23065935	-0.2994315	0.0025697	0.0259772
SNORA7B	27.2834	72.1219467	2.64343691	18.1676773	42.3657218	2.33192835	1.50175499	-0.5866495	0.0025697	0.0259772
SNORD89	1030.54771	2356.76981	2.28690994	488.969796	600.909749	1.2289302	2.10758972	-1.075594	0.0025697	0.0259772
SNORD46	38.4140783	109.149294	2.84138782	15.9013046	61.3165108	3.85606795	2.41578156	-1.27249	0.0025697	0.0259772
CMTM4 CH25H	0.17804036 0.28038765	0.10512537 0.30288699	0.59045808 1.08024372	1.17672352 1.48435532	3.83411036 5.14206042	3.25829329 3.46417085	6.60930769 5.29393982	2.7244992 2.4043418	0.0027497 0.0027497	0.0272986 0.0272986
SEMA4B	2.61366517	0.75740847	0.28978787	4.38958436	6.61313494	1.50655151	1.67947464	0.74801	0.0027497	0.0272986
PHGDH	1.52030141	0.88935315	0.58498475	1.42287	2.05344825	1.44317348	1.06847527	-0.0955535	0.0027497	0.0272986
IL1R2	2.01250855	5.49832319	2.73207445	1.85598786	2.27744845	1.22708155	1.08433282	-0.0333333	0.0027497	0.0272986
ADORA2A	1.62917388	4.58998451	2.81736932	1.31732633	2.11258578	1.60369206	1.23672764	-0.3065278	0.0027497	0.0272986
HLA-DPB2	12.0030298	18.5165529	1.54265658	7.56374714	10.7292525	1.4185102	1.58691579	-0.6662256	0.0027497	0.0272986
SNORD83B	367.251072	1466.58545	3.99341367	40.0085046	70.5907437	1.76439346	9.17932516	-3.1983881	0.0027497	0.0272986
LOC10028815		0.33224225	0.90861658	1.61460518	5.45122042	3.37619407	4.41562449	2.1426175	0.0029409	0.0286575
CCDC151	0.40745255	0.34909487	0.8567743	1.28455883	3.82348843	2.97649928	3.15265872	1.656569	0.0029409	0.0286575
NBEA	0.3527784	0.17311521	0.49071942	1.02052536	3.04887414	2.98755353	2.89282272	1.5324779	0.0029409	0.0286575
PKIB	0.48791777	0.33888618	0.69455594	1.22494224	2.89721552	2.36518543	2.5105506	1.3280038	0.0029409	0.0286575
HSPA2	0.6295301	0.20998544	0.33355901	1.39228306	3.22764815	2.31824135	2.21162268	1.1451053	0.0029409	0.0286575
S100A16	2.49274269	1.46691592	0.58847467	4.77790478	11.8066229	2.47108794	1.91672602	0.9386441	0.0029409	0.0286575
STAP2	0.75873586	0.53162657	0.7006741	1.30153912	2.976552	2.28694778	1.71540478	0.778549	0.0029409	0.0286575
WDR90	0.76408783	0.32128393	0.42048037	1.15631552	2.40637463	2.08107094	1.51332802	0.5977247	0.0029409	0.0286575
DHRS9	13.5975193	5.56819375	0.40950071	20.1123256	36.3710204	1.80839457	1.47911727	0.5647364	0.0029409	0.0286575
SNORD13	17.8695748	57.9372815	3.24223055	6.72067727	28.9124037	4.30200746	2.65889495	-1.4108268	0.0029409	0.0286575
KIR2DS4	0.00816559	0.03925175	4.80696879	1.70411552	7.89038554	4.63019404	208.694639	7.7052497	0.0031438	0.0300409
OCLM	0.17408789	0.18679942	1.07301786	1.0692166	4.62231014	4.32308118	6.14182065	2.6186664	0.0031438	0.0300409
HES4	0.55230485	1.53645329	2.78189352	1.99550914	6.17999616	3.09695207	3.61305742	1.8532202	0.0031438	0.0300409
GSTA4			0.47240473					1.7332569	0.0031438	0.0300409
RFX3			0.37222009					1.1827556	0.0031438	0.0300409
MAP7		0.28274149		1.15848344		2.27928714		0.9235974	0.0031438	0.0300409
PKIG			0.32380545			1.54067694		0.4131325	0.0031438	0.0300409
CASZ1			0.28985063					0.0906952	0.0031438	0.0300409
BCL6			0.59699908					0.0505541	0.0031438	0.0300409
ANXA3			1.09305153						0.0031438	0.0300409
MIR1244-3		41.3177087		28.26485		1.13843006		-0.409121	0.0031438	0.0300409
SCARNA3	12.2948928	41.1/31509	3.34880114	5.03212909	14.2466963	2.83114683	2.4432/849	-1.2888183	0.0031438	0.0300409

DAULIA 2	20.0700625	144 225725	2 5 4 4 0 2 7 5 0	2 55522426	C F0CC0F3	2 54620622	15 6065331	2.0640702	0.0021420	0.0200400
RNU12	39.8798635		3.54403759 0	89.9381818	6.5066053	2.54628632		-3.9640782	0.0031438	0.0300409
MIR3618	2.99E-195	0 0.16911526			421.847465	4.69041576	3.01E+196	652.68896	0.0033592	0.0315147
LOC10192912 LOC10192785	0.10794061		1.56674365	6.19952134	28.693315	4.62831136	57.4345607	5.8438472	0.0033592	0.0315147
FSTL1		0.39024736	1.78912346 1.18484375	3.57913612 1.33110045	15.7881989 4.5668705	4.41117586 3.43089848	16.4088654	4.0364036	0.0033592	0.0315147
CERS4	0.12066542 0.60645273	0.14296967 0.46454859	0.76600955	4.03115853	10.8949921	2.70269501	11.0313328 6.64711081	3.4635352 2.7327274	0.0033592 0.0033592	0.0315147 0.0315147
KRTCAP3	0.46683223	0.35926386	0.76957809	1.41298128	4.2713223	3.022915	3.02674319	1.5977663	0.0033592	
										0.0315147
MIR631	3.83868621	13.3198208	3.4698905	9.35567727	28.1942497	3.01359793	2.43720814	1.2852295	0.0033592	0.0315147
LOC10050684		1.0437685	0.50264507	3.70366336	6.97023535	1.88198404	1.78356419	0.8347631	0.0033592	0.0315147
LRP11	2.1148749	0.59439864	0.28105617	3.67067571	7.72742928	2.10517896	1.73564674	0.7954733	0.0033592	0.0315147
NUDT7	0.82211324	0.57879392	0.70403186	1.219843	2.55469644	2.09428298	1.48378951	0.5692864	0.0033592	0.0315147
CCDC24	2.61172241	0.80837442	0.30951774	3.75144496	6.98686378	1.86244603	1.43638732	0.5224448	0.0033592	0.0315147
CXCR1	1.70407991	5.81201087	3.41064455	1.72966766 8.59941409	2.79932115	1.61841561	1.01501558	0.0215019	0.0033592	0.0315147
GNA11 FCGR3B	9.4690931	2.02905588	0.21428197		6.8021305	0.7909993	1.10113236	-0.1389879	0.0033592	0.0315147
	9.35469552	12.7704734	1.36514046	7.95266636	5.40268138	0.67935471	1.17629674	-0.234252	0.0033592	0.0315147
MIR3605	2.87484759	8.4868316	2.95209793	2.40193636	8.87209615	3.69372656	1.19688749	-0.2592875	0.0033592	0.0315147
MIR4523	20.6786207	56.784219	2.74603514	15.3987364	39.2280259	2.54748344	1.34287777	-0.425328	0.0033592	0.0315147
MIR27A	14.7899414	56.2425004	3.80275344	776.174096	3549.83438	4.57350278	52.4798629	5.713692	0.0035876	0.033111
SPATA17	0.11480118	0.13450532	1.17163702	1.92528159	5.8065057	3.01592543	16.7705728	4.0678601	0.0035876	0.033111
WDR54	3.03961969	1.62155654	0.5334735	9.69500182		2.28463276	3.18954435	1.6733503	0.0035876	0.033111
IFT57	3.19152138	0.75488594	0.23652855	5.43130682	8.70308128	1.60239176	1.7017924	0.7670551	0.0035876	0.033111
TNFAIP8L1	1.89372276	0.59511806	0.31425828	3.10677873	6.25635181	2.01377451	1.64056682	0.7141944	0.0035876	0.033111
NQO1	4.37289035	1.6622134	0.38011779	7.15062591	13.4259559	1.87759171	1.63521729	0.7094824	0.0035876	0.033111
GOLM1	3.94110069	1.96255312	0.49797081	5.74799	9.88323842	1.71942513	1.45847327	0.5444589	0.0035876	0.033111
SNORD76	5.94213793	24.6926787		7.30295455	22.7979406	3.12174209	1.22901128	0.2974982	0.0035876	0.033111
RABL2B	5.61094483	0.88232962	0.15725152	6.55417664	7.40647402	1.13003882	1.1681057	0.2241708	0.0035876	0.033111
C5orf58	1.03153977	1.02868402	0.99723157	1.02301498	1.58320504	1.54758735	1.00833301	-0.0119722	0.0035876	0.033111
RNU1-2	6.26736241	21.3669828	3.4092464	5.05734046	9.34764213	1.84833159	1.23926053	-0.3094795	0.0035876	0.033111
CCNB2	3.22352069	0.7647966	0.23725506	2.52534868	1.18955614	0.4710463	1.27646559	-0.3521546	0.0035876	0.033111
SNORA11	1.21163414	3.79468174	3.13187093	4.24798636	16.7682176	3.94733319	3.50599759	1.809825	0.0038297	0.0348525
DLG5	0.65707852	0.26667038	0.40584249	1.57713518	3.7082603	2.35126344	2.40022332	1.2631686	0.0038297	0.0348525
C20orf96	3.34400345	0.94222851	0.28176661	5.97769546		2.15434463	1.78758651	0.8380131	0.0038297	0.0348525
NR4A2	1.19617931	1.64193098	1.37264619	2.09811607	4.54934551	2.1683002	1.75401468	0.8106608	0.0038297	0.0348525
TSPYL4	1.85540917	0.44974316	0.24239567	2.51769836	3.57434857	1.41968896	1.35695048	0.4403681	0.0038297	0.0348525
MAP1LC3A	4.64086552	3.08224523	0.6641531	4.33496409	4.4690731	1.03093659	1.07056608	-0.0983738	0.0038297	0.0348525
SNORD25	13.0949103	56.760281	4.33452995	5.80765909	14.9907685	2.5812067	2.25476567	-1.1729775	0.0038297	0.0348525
SNORA5C	12.5823748	31.4332435	2.4981964	5.22807091	7.84731377	1.50099605	2.40669552	-1.2670536	0.0038297	0.0348525
KIAA1671	0.3530263	0.35850175	1.01551005	1.63480877	4.95952816	3.03370537	4.63084131	2.2112743	0.0040863	0.0366161
PLK2	0.76452159	0.41722028	0.54572727	1.359455	2.97623302	2.18928396	1.77817739	0.8303993	0.0040863	0.0366161
LRTOMT	1.8300621	0.64181358	0.3507059	3.15077818	6.70255331	2.12726918	1.72167828	0.7838156	0.0040863	0.0366161
CRIP2	2.65453355	2.04359644	0.76985143	4.46794851	9.9281215	2.22207608	1.68313883	0.7511542	0.0040863	0.0366161
CXCL10	30.0290703	25.5669376	0.85140623	44.3617437	67.4937012	1.52143932	1.47729328	0.5629563	0.0040863	0.0366161
C14orf79	2.06934531	0.86951431	0.42018812	2.76194786	5.06830603	1.83504768	1.33469646	0.4165117	0.0040863	0.0366161
USP54	1.44778015	0.3953306	0.27305983	1.81871509	2.47999531	1.36359748	1.25620944	0.329077	0.0040863	0.0366161
C15orf41	1.41119383	0.62846308	0.44534144	1.17205191	1.17979626	1.00660751	1.20403697	-0.2678797	0.0040863	0.0366161
SNORA44	77.5049955	242.182709	3.12473677	32.2564841	29.1715611	0.9043627	2.40277258	-1.2647001	0.0040863	0.0366161
LINCO0506	0.05939873		1.48895457	2.0398387	9.19622857	4.50831166	34.3414504	5.1018791	0.004358	0.0385216
AREG			1.72802982					0.9671762	0.004358	0.0385216
NDFIP2		0.57391763				1.63517148		0.8152729	0.004358	0.0385216
CDC42EP2			2.10857595					0.1521338	0.004358	0.0385216
FUBP3			0.20646681					0.0875845	0.004358	0.0385216
SNORD35B			2.94069371						0.004358	0.0385216
LINC00539			0.76413132					2.5857791	0.0046456	0.040372
PPP1R14C			0.85926105					2.1247798	0.0046456	0.040372
RAPGEFL1			0.47275069					1.0333276	0.0046456	0.040372
PIAS3			0.19532158					0.2569158	0.0046456	0.040372
TCTN1		1.75799408		9.11387636				0.1119604	0.0046456	0.040372
TTLL5		0.41556024				0.69786518		-0.0325337	0.0046456	0.040372
ADCY3			0.40845878			0.63196796			0.0046456	0.040372
MIR5001			3.36739846						0.0046456	0.040372
TMOD4	0.16590987		1.41503394				7.6335376	2.9323518	0.00495	0.0426159
JHDM1D-AS1								2.6414658	0.00495	0.0426159
MOK			0.59063238				1.69716933	0.7631305	0.00495	0.0426159
SNORD35A			4.34716783					0.6302253	0.00495	0.0426159
FUZ	4.45258241	1.25979288	0.28293533	4.85652691	5.22981899	1.076864	1.0907214	0.1252826	0.00495	0.0426159

IGFBP4	0.58916731	0.52270409	0.88719127	1.74125037	3.90409283	2.24212032	2.95544294	1.5633744	0.0052719	0.0447956
PRR15	3.24502793	1.42399756	0.43882444	5.24985768	11.8282454	2.25306019	1.61781587	0.6940474	0.0052719	0.0447956
GBP7	1.13981335	0.93558681	0.82082458	1.2824538	1.6916399	1.31906498	1.12514369	0.1701093	0.0052719	0.0447956
MIR570	4.48417241	15.263928	3.40395654	1.87925	4.85555493	2.58377275	2.38615001	-1.2546847	0.0052719	0.0447956
PLEKHB1	4.41859483	1.54275054	0.34914958	5.27363636	5.63399492	1.06833208	1.19350983	0.2552104	0.0056121	0.0470199
BTG2	50.2756345	20.8090633	0.41389957	57.8049	45.1433467	0.78096055	1.14975973	0.2013324	0.0056121	0.0470199
ANKRD54	4.19432724	1.27576636	0.30416472	4.46979705	4.40239995	0.98492167	1.06567676	0.0917699	0.0056121	0.0470199
MIR635	4.05990897	7.94310358	1.95647332	3.90599546	10.4459252	2.67433111	1.03940443	-0.0557571	0.0056121	0.0470199
SNORA19	7.40881621	28.5852312	3.85827242	0.68058182	3.19221169	4.69041576	10.8860037	-3.4444025	0.0056121	0.0470199
ERICH2	0.14151732	0.33211888	2.34684253	1.38393336	4.385489	3.16885852	9.77925044	3.2897239	0.0059716	0.0492869
LAPTM4B	0.35891642	0.2681929	0.74722938	1.00605521	2.64398491	2.62807139	2.80303475	1.4869896	0.0059716	0.0492869
ISG20	6.96264941	7.28836632	1.0467806	18.3836612	45.5203676	2.47613177	2.64032556	1.4007158	0.0059716	0.0492869
SPAG16	1.13429697	0.55342414	0.48790058	2.86900759	6.84967261	2.38747106	2.52932669	1.3387534	0.0059716	0.0492869
MORN1	0.46541989	0.28160922	0.60506485	1.13021202	3.18100415	2.81451984	2.42837068	1.2799887	0.0059716	0.0492869
IQCG	4.23476176	1.56314349	0.36912194	7.19601682	12.2215937	1.69838315	1.69927312	0.7649178	0.0059716	0.0492869
RDH10	5.32290172	1.74615613	0.32804591	7.63175909	12.3180895	1.61405639	1.43375916	0.5198027	0.0059716	0.0492869
NET1	6.79493828	2.59415658	0.3817778	8.261285	8.84243916	1.0703467	1.21579986	0.2819058	0.0059716	0.0492869
JAG1	1.99624676	0.77891352	0.390189	2.28402817	2.68949826	1.17752412	1.14416124	0.1942904	0.0059716	0.0492869
SYNPO	1.93590307	1.91622484	0.98983512	2.11953873	2.95409441	1.39374401	1.09485788	0.1307436	0.0059716	0.0492869
SNORD83A	43.7411631	187.349877	4.28314803	24.8576364	89.5975753	3.60442859	1.75966703	-0.8153025	0.0059716	0.0492869