



GPDI1	ILMN_2991214	0.1997722	0.178415	0.0042358	0.9835298	0.0176093	0.010363	5.962863333	6.012323684	6.011677941	6.122713636								
BC018242	ILMN_2757716	0.1034275	0.1944064	0.0010031	0.4484675	0.0133763	0.0006339	6.208366667	6.270368421	6.249745588	6.367659091								
C230090D14	ILMN_2760468	0.1391611	0.1359473	0.0003776	0.7852333	0.0077452	0.0008987	5.947733333	5.998884211	5.99155	6.106377273								
TSPAN31	ILMN_2964076	0.6180744	0.5437157	0.0117624	0.1745861	0.0079256	0.0001926	6.763363333	6.787294737	6.736430882	6.921695455								
POLB	ILMN_2789425	0.21319	0.1631492	0.0003315	0.8404281	0.0038193	0.009116	6.965993333	7.0099	7.016457353	7.124222727								
SIAH1B	ILMN_2903734	0.1289666	0.5780849	0.0028784	0.1912821	0.0358219	0.0012247	6.37228	6.436939474	6.393475	6.528490909								
LOC383036	ILMN_2536553	0.1482323	0.0774628	0.000893	0.9606867	0.0431433	0.0108233	6.41209	6.474181579	6.472569118	6.567927273								
LYNX1	ILMN_1258942	0.4077937	0.1416243	0.0015633	0.4557018	0.0014763	0.0111326	6.817296667	6.848018421	6.870923529	6.972218182								
ZFP41	ILMN_3137980	0.2677737	0.8515377	0.0002013	0.2293824	0.0012063	7.766E-06	7.414063333	7.450618421	7.419467647	7.568736364								
TSPAN33	ILMN_1219904	0.3878386	0.0719326	0.001134	0.3407473	0.003853	0.0131555	6.582713333	6.613352632	6.641277941	6.735368182								
MEGF8	ILMN_2685985	0.0926907	0.2228606	0.0001841	0.2853957	0.010053	2.972E-05	7.129433333	7.184897368	7.159761765	7.281790909								
GPA1	ILMN_1255423	0.8857298	0.2373073	0.0110271	0.1266454	0.0022423	0.0336273	7.391883333	7.385360526	7.441967647	7.544040909								
SLC7A8	ILMN_2598877	0.4887311	0.3156157	0.0025282	0.7614574	0.0036332	0.0037823	6.23386	6.259007895	6.268110294	6.384822727								
RHOF	ILMN_2992047	0.7851793	0.0647153	0.0010468	0.067057	0.0001766	0.005019	9.890486667	9.899973684	9.947642647	10.04121364								
2810453106RIK	ILMN_2510771	0.1564431	0.1008447	0.0002368	0.9907679	0.0184046	0.0061613	8.4568	8.506107895	8.506408824	8.607172727								
PCDHAC1	ILMN_2980110	0.0595308	0.2312302	0.0003196	0.3053608	0.0147271	0.0005897	5.65515	5.716521053	5.689845588	5.804577273								
SCN1B	ILMN_2834198	0.8275725	0.9374337	0.0010911	0.8649437	0.0010695	0.0004465	5.966606667	5.975315789	5.969526471	6.115209091								
CDC42BPB	ILMN_2867696	0.2957513	0.9359791	0.0007209	0.2637103	8.89E-06	0.0001107	7.155186667	7.118955263	7.152523529	7.303131818								
BC037704	ILMN_2470360	0.677388	0.7421918	0.0001022	0.3876608	0.0001132	1.483E-06	7.20203	7.214631579	7.193013235	7.3494								
ADAR	ILMN_3021272	0.0580027	0.0512931	0.0005744	0.9625952	0.0334299	0.0278485	8.79254	8.859055263	8.857651471	8.939627273								
UACA	ILMN_2492716	0.3533152	0.1224782	0.0003107	0.627983	0.0021344	0.0012063	6.05639	6.087271053	6.099835294	6.203304545								
HIST2H2AA1	ILMN_1228849	0.0884511	0.1005373	0.0004786	0.9320942	0.0153242	0.0150984	6.169153333	6.226644737	6.224104412	6.315718182								
PRDX2	ILMN_2773554	0.1385282	0.1338746	0.0002502	0.8935302	0.0062484	0.0019358	11.56810333	11.61388947	11.61041618	11.71427273								
TFRC	ILMN_2619848	0.085162	0.0916788	0.0022929	0.6998758	0.016039	0.0059977	9.730386667	9.798923684	9.788595588	9.876177273								
MTAP15	ILMN_2657432	0.6904967	0.2003168	0.0006583	0.0590439	8.877E-05	0.0020646	8.951766667	8.937260526	8.991608824	9.097072727								
D11WSU47E	ILMN_2700833	0.225963	0.1430469	0.000121	0.8628336	0.0036318	0.0031777	7.024173333	7.063092105	7.067933824	7.168595455								
ADPRHL2	ILMN_2639063	0.6840518	0.3473478	0.0053945	0.1186338	0.0008991	0.0054003	6.74877	6.730905263	6.782579412	6.892372727								
SYMPK	ILMN_1245437	0.7197743	0.5936817	0.0010108	0.891984	0.0060061	0.002917	8.383586667	8.397528947	8.402226471	8.52715								
GYPA	ILMN_2696696	0.7389014	0.3632769	0.0251901	0.4987125	0.0031931	0.0003548	6.934123333	6.9204	6.897686765	7.0776								
KLHDC3	ILMN_2851023	0.783022	0.2437231	0.0037638	0.269885	0.0004288	0.0080675	7.81348	7.822594737	7.853058824	7.955713636								
3110070M22RIK	ILMN_2696066	0.1073796	0.2050209	0.0014511	0.4866036	0.0398205	0.0035237	6.120523333	6.180081579	6.160217647	6.262866364								
TRUB1	ILMN_1240735	0.2953657	0.0734389	9.239E-05	0.5610317	0.0008692	0.0006353	8.182053333	8.2163	8.230364706	8.323472727								
AKT2	ILMN_2655895	0.8442971	0.2577229	4.546E-05	0.3437085	4.35E-05	1.532E-07	5.950246667	5.944173684	5.919175	6.091436364								
RSC1A1	ILMN_1230668	0.6840115	0.0539208	0.0004297	0.0858665	0.0001366	0.0020164	7.647993333	7.659592105	7.697304412	7.787868182								
FRY	ILMN_2623288	0.4184333	0.1716296	0.0008519	0.5808814	0.0035019	0.005631	5.699756667	5.725107895	5.740185294	5.839477273								
TJAP1	ILMN_2934448	0.4648067	0.4800185	0.0005054	0.1039589	0.0031371	7.38E-06	8.189586667	8.215047368	8.167745588	8.328781818								
CNGA4	ILMN_2875896	0.4128026	0.838024	0.0042111	0.4856524	0.0262685	0.0031015	5.99744	6.028623684	6.004719118	6.136186364								
SGSM3	ILMN_2987294	0.2852907	0.1799385	0.000553	0.8524482	0.0023816	0.0020158	7.17779	7.212339474	7.217123529	7.316372727								
9430078K10RIK	ILMN_2500041	0.5504554	0.1164212	0.0017546	0.3083079	0.0041732	0.0165627	6.076453333	6.095631579	6.124530882	6.214954545								
SLC26A6	ILMN_2668261	0.3512318	0.3748397	0.0020554	0.9305283	0.0138219	0.0112631	6.420846667	6.4567	6.453741176	6.5591								
LYSMD4	ILMN_2701435	0.3263893	0.7070625	0.0012552	0.3678655	0.0028218	6.468E-05	6.801406667	6.835131579	6.812473529	6.939245455								
PCBD2	ILMN_2876775	0.838579	0.0685734	0.0009368	0.0565928	7.067E-05	0.0052888	10.26506	10.27223684	10.32058088	10.40271364								
UAP1	ILMN_2502542	0.2165725	0.9854187	0.0009075	0.1340454	0.0318819	0.0002473	8.167053333	8.216581579	8.167673529	8.304695455								
RNF40	ILMN_1242623	0.211788	0.099174	0.0001084	0.6579531	0.0001075	0.0007106	6.104593333	6.138042105	6.147527941	6.241636364								
LOC277049	ILMN_1240399	0.2934571	0.1060159	0.0003221	0.5755921	0.0029932	0.005663	5.871153333	5.901181579	5.915414706	6.006836364								
LOC100047603	ILMN_2697057	0.5317771	0.4972328	0.0027997	0.9033529	0.0040861	0.000286	6.163923333	6.187207895	6.184048529	6.299472727								
BCL2L12	ILMN_2935909	0.4501663	0.1507583	0.0008312	0.5408152	0.0049174	0.0069966	6.95393	6.980221053	6.997483824	7.088572727								
HMGCL	ILMN_1256234	0.2979737	0.3874272	0.0028899	0.8735481	0.0135305	0.0202339	7.923806667	7.963534211	7.958	8.0583								
TRPV4	ILMN_2466284	0.2514505	0.3380365	0.0003131	0.6827345	0.0188364	0.002112	5.866016667	5.907376316	5.895151471	5.999986364								
9030624J02RIK	ILMN_2872639	0.782004	0.4170399	0.0001144	0.603075	0.0003567	0.0003189	9.494316667	9.503005263	9.516620588	9.627690909								
1110020P15RIK	ILMN_3142224	0.1212065	0.0502281	3.997E-06	0.9858039	0.0010157	5.228E-05	12.83764667	12.8778	12.87814853	12.97065								
SNCA	ILMN_3059393	0.2626604	0.2088617	4.536E-05	0.8934317	0.0030156	0.0039725	5.838986667	5.871242105	5.874923529	5.971345455								
9130011J15RIK	ILMN_2593484	0.2364945	0.4354212	0.0007902	0.4843251	0.0049498	0.0001633	8.423743333	8.460226316	8.444064706	8.556095455								
ATPB9	ILMN_1233770	0.8250675	0.1176255	0.0007899	0.1465289	0.0004474	0.0031797	5.876853333	5.884023684	5.920125	6.008981818								
KCNC3	ILMN_2681742	0.372855	0.7150701	0.0018064	0.4859011	0.0082036	0.0005546	5.950906667	5.980818421	5.961808824	6.082136364								
LOC100045460	ILMN_1216433	0.5101012	0.3577678	0.0010288	0.0673625	3.894E-05	0.0009365	5.620116667	5.600318421	5.645004412	5.749863636								
MAGEE2	ILMN_2477690	0.1710845	0.05934	0.0011835	0.6011098	0.007276	0.0102496	5.760393333	5.796631579	5.808379412	5.889972727								
LOC100047194	ILMN_1217481	0.1593328	0.0981729	1.405E-05	0.9398443	0.0118878	0.0069427	5.874716667	5.918439474	5.920526471	6.00425								
MS4A7	ILMN_3091003	0.5729752	0.4820176	0.0137711	0.8972357	0.0231728	0.0210323	6.47951	6.501352632	6.505692647	6.608881818								
EFCAB6	ILMN_2928498	0.7632342	0.3221721	0.0043956	0.4863548	0.0034302	0.002517	5.580346667	5.591255263</										

CEBPE	ILMN_3029849	0.8078374	0.1732849	0.0030771	0.2318701	0.002828	0.0162265	6.161636667	6.170128947	6.20425	6.289590909								
LOC100046781	ILMN_1249142	0.6583194	0.8334352	0.0014968	0.468952	0.0038563	0.0003991	6.09563	6.110731579	6.088780882	6.223009091								
C920004C08RIK	ILMN_1222071	0.3850288	0.0700544	0.0038178	0.3880992	0.0125303	0.0225901	11.32737	11.35911842	11.38204412	11.45473636								
TNXB	ILMN_2444411	0.1496148	0.1054688	0.0005018	0.8805468	0.002138	0.0019133	5.663876667	5.699578947	5.702611765	5.790745455								
ADAL	ILMN_2948663	0.2369654	0.1716393	0.0033817	0.9717648	0.0463896	0.0180219	6.324213333	6.367818421	6.366766176	6.450545455								
INTS7	ILMN_2726174	0.2732407	0.586879	0.0058704	0.4179798	0.0040954	0.0010741	9.293426667	9.331626316	9.311188235	9.41915								
FOXP4	ILMN_2650317	0.7459436	0.5627063	0.0170549	0.7551376	0.0023531	0.005287	6.264146667	6.276007895	6.284380882	6.389745455								
Ageneric5L	ILMN_1217612	0.8329932	0.9146392	0.0004805	0.6953516	3.709E-05	1.483E-05	8.109116667	8.115305263	8.106152941	8.234490909								
CD44	ILMN_2474229	0.2692964	0.1478198	0.0055493	0.9255312	0.044715	0.0173939	5.908876667	5.950365789	5.953	6.034186364								
ZMAT3	ILMN_2418426	0.2565844	0.8631643	0.0022322	0.0994823	0.026959	8.304E-05	7.620363333	7.659939474	7.615426471	7.745318182								
PRPF3	ILMN_2941431	0.480392	0.0666872	0.0019168	0.1846098	0.0003537	0.0072291	9.9884	10.01081053	10.04008088	10.11331818								
RPUSD3	ILMN_1214740	0.2304027	0.2327958	0.0025548	0.8325719	0.0169034	0.004917	6.720803333	6.761342105	6.755892647	6.845586364								
ZBTB6	ILMN_2525819	0.1308718	0.1225869	0.001417	0.6993416	0.0195411	0.0014442	5.991976667	6.036765789	6.028576471	6.116695455								
MAGEA9	ILMN_1252512	0.8309473	0.0845974	0.0006887	0.1188421	0.0013866	0.0180155	5.76786	5.7748	5.817098529	5.892554545								
PTPRF	ILMN_1219189	0.2190425	0.0867244	0.0005635	0.5640646	0.0042956	0.0157663	5.6626	5.695144737	5.709207353	5.786977273								
NSF	ILMN_2760629	0.1931859	0.360736	0.0008575	0.5595835	0.0051887	0.0009574	9.924636667	9.963881579	9.949961765	10.04892273								
SARDH	ILMN_2903455	0.7960502	0.7785859	0.0101605	0.51361	0.0013035	0.0028363	5.826933333	5.817136842	5.836519118	5.949331818								
XPO5	ILMN_1216198	0.7050569	0.679202	0.0238434	0.3306391	0.042049	0.0055737	7.6071	7.625202632	7.592019118	7.729186364								
VGLL2	ILMN_2495753	0.3493614	0.2615197	0.0061246	0.8419134	0.0101935	0.024173	5.813743333	5.846973684	5.852779412	5.935795455								
HSD3B2	ILMN_1233611	0.3857508	0.8465226	0.0001419	0.1997045	0.0047757	4.855E-06	5.780146667	5.805763158	5.775658824	5.9017								
CAPZB	ILMN_1230100	0.1875435	0.0603499	0.0021735	0.6758285	0.0277333	0.0323886	5.8003	5.843094737	5.853869118	5.921709091								
PKIB	ILMN_3052870	0.7009613	0.2792825	0.0002337	0.4501659	0.0004146	0.0035889	5.772683333	5.783521053	5.802783824	5.894004545								
A230005A19RIK	ILMN_2564767	0.6380251	0.1891714	2.648E-05	0.0553869	1.159E-05	8.044E-05	5.803403333	5.79155	5.830422059	5.924704545								
USP10	ILMN_1217931	0.7946592	0.8388046	0.0096273	0.934	0.0095534	0.0064299	6.42393	6.434371053	6.431577941	6.544827273								
NCND	ILMN_1231405	0.8169843	0.416902	0.0066776	0.2035153	0.0002209	0.0077846	8.381273333	8.373278947	8.408173529	8.501877273								
SYN1	ILMN_1235133	0.6694849	0.2578995	0.0045018	0.0779335	0.0008223	0.0099512	5.950843333	5.935671053	5.984697059	6.071295455								
ARVCF	ILMN_2573293	0.4469461	0.7566684	0.0010282	0.6294586	0.003341	0.0008631	5.718253333	5.738763158	5.726697059	5.838531818								
SMG7	ILMN_2953017	0.4258797	0.3806893	0.0188944	0.9166145	0.0218454	0.0080269	9.624156667	9.658326316	9.655355882	9.744204545								
5730472N09RIK	ILMN_2765936	0.4083926	0.6082371	0.0019425	0.6700575	0.0125348	0.0017913	7.63479	7.660244737	7.648992647	7.754604545								
ZMIZ1	ILMN_1224736	0.3763442	0.055049	0.0136689	0.3984977	0.0022425	9.798E-06	7.174863333	7.131644737	7.099030882	7.294513636								
ZFP162	ILMN_1215244	0.2014047	0.7434902	0.003566	0.2275352	1.516E-05	0.0001463	7.66155	7.620365789	7.651876471	7.781118182								
DUS2L	ILMN_1256843	0.8561644	0.446428	0.0038192	0.2785569	0.0008641	0.0017291	6.93203	6.926063158	6.953073529	7.050854545								
BZRP1	ILMN_2635718	0.6185068	0.574723	0.0190054	0.9031811	0.0430169	0.0044684	6.187326667	6.206431579	6.203076471	6.306068182								
ARFGAP2	ILMN_2853409	0.8237825	0.8515888	0.001996	0.9447898	0.0067887	0.00413	9.42326	9.430544737	9.428569118	9.541945455								
9330183F02RIK	ILMN_2558866	0.3261468	0.1733477	0.0005571	0.6332639	0.0058003	0.0168183	5.949093333	5.973960526	5.98625	6.067668182								
DBF4	ILMN_2952661	0.6240393	0.8384865	0.0122907	0.3985923	0.0191309	0.0016656	8.57731	8.598042105	8.569597059	8.695836364								
ATG3	ILMN_2595188	0.6213315	0.9031596	0.0084176	0.5772204	0.0012036	0.0002088	5.596373333	5.578073684	5.592863235	5.714631818								
ISCA1	ILMN_2888842	0.3595758	0.7809579	0.0076209	0.4365809	0.0372539	0.0050363	9.365886207	9.401326316	9.377892647	9.484090909								
4930544L04RIK	ILMN_1256258	0.1212117	0.1444176	0.0006835	0.7308269	0.0319887	0.0066889	5.835473333	5.881492105	5.873111765	5.953290909								
2610209A20RIK	ILMN_2744228	0.222251	0.0503501	0.0038665	0.6307725	0.0388641	0.030015	5.954303333	5.9957	6.007576471	6.072068182								
2810046M22RIK	ILMN_2714278	0.7932571	0.3413647	0.0069021	0.4306555	0.0021317	0.0072284	5.965796667	5.974528947	5.994625	6.08355								
DHDH	ILMN_1234086	0.7472445	0.5905975	0.0017523	0.8697156	0.0002079	4.284E-06	7.466183333	7.457073684	7.453639706	7.583509091								
ALOX15	ILMN_2789023	0.4945088	0.5363894	0.005707	0.910931	0.0080107	0.005256	5.948553333	5.970678947	5.967667647	6.065718182								
RNF183	ILMN_2753931	0.2692191	0.1884299	0.0068692	0.88654	0.0201168	0.0253897	5.951953333	5.990247368	5.994061765	6.069068182								
LOC385989	ILMN_2538010	0.186073	0.2002142	0.0019194	0.7581627	0.0262803	0.0047078	5.9626	6.003389474	5.996039706	6.079709091								
RBPM5	ILMN_3026557	0.9676317	0.5622495	0.0034885	0.5434605	0.0007213	8.217E-06	6.082373333	6.081173684	6.068086765	6.199422727								
MTRR	ILMN_2969314	0.138014	0.2808236	0.0027479	0.4487716	0.0454004	0.0033295	6.4451	6.491657895	6.473463235	6.562140909								
5930400G23RIK	ILMN_1252245	0.4046753	0.4652826	0.0034776	0.8465238	0.0314305	0.0114345	5.852196667	5.880894737	5.875044118	5.968995455								
CD151	ILMN_2492403	0.9211922	0.6734808	0.0126171	0.5508714	0.0052828	0.0014538	7.20143	7.205263158	7.185635294	7.318127273								
LOC380636	ILMN_2533773	0.1214529	0.0880914	0.0005543	0.9948424	0.0233225	0.0116027	5.523523333	5.565797368	5.565647059	5.639413636								
ITFG2	ILMN_1252621	0.7616105	0.4091743	0.0012221	0.1959224	0.0002063	0.0008307	8.126836667	8.117552632	8.148073529	8.242622727								
PALM	ILMN_2815626	0.2721038	0.6017592	0.0070254	0.0526414	9.931E-05	0.0046269	6.404466667	6.3666	6.420661765	6.519804545								
ZFP563	ILMN_2642938	0.193144	0.3057901	0.0038908	0.6058345	0.0392958	0.0064416	5.780793333	5.821705263	5.808876471	5.894754545								
LOC382813	ILMN_1237743	0.3244602	0.1328203	0.0011393	0.6695764	6.759E-05	1.98E-06	5.826046667	5.796476316	5.785617647	5.939763636								
BC017612	ILMN_2631514	0.8355212	0.8501323	0.0180931	0.6600593	0.0099305	0.0082377	7.401256667	7.409202632	7.393575	7.514886364								
CBARA1	ILMN_2686513	0.8613971	0.9466614	0.0179951	0.8857374	0.0071062	0.0037732	7.51929	7.512352632	7.516942647	7.632227273								
COQ9	ILMN_2774456	0.5907585	0.1375329	0.0008612	0.3490039	0.0062178	0.027967	8.24214	8.258726316	8.284261765	8.355045455								
USP36	ILMN_2491232	0.5694926	0.3860962	0.0302749	0.0731112	0.0419255	0.0001784	8.529063333	8.552176316	8.49982353	8.641940909								
1700063H04RIK	ILMN_1244141	0.6351553	0.1080972	0.0089017	0.2270816	0.0088517	0.0343723	5.77347	5.789544737	5.819770588	5.886254545								
JPH1	ILMN_1217728	0.3436531	0.0971616	0.0031993	0.5357723	0.0137897	0.0215332	5.62534	5.656123684	5.671236765									



CTNNA3	ILMN_2834525	0.3536454	0.3754631	0.0119809	0.8661483	0.0305254	0.0104644	5.677696667	5.704381579	5.700572059	5.780836364								
9430003J03RIK	ILMN_1258022	0.6557114	0.28191	0.0019528	0.4896149	0.0018663	0.0071396	6.223606667	6.235028947	6.250230882	6.326727273								
NAPRT1	ILMN_2799590	0.9601419	0.3307608	0.0079905	0.2665183	0.006164	0.0003234	6.49092	6.492510526	6.460433824	6.593895455								
SYNGR1	ILMN_3101732	0.9391257	0.3508257	0.009843	0.3004176	0.0132862	0.0303686	5.925626667	5.922781579	5.953997059	6.028540909								
LOC380723	ILMN_1243160	0.3774093	0.6761875	0.0014385	0.516955	0.0077931	0.0002965	5.8033	5.824481579	5.811860294	5.906168182								
D130017N08RIK	ILMN_1247385	0.1666711	0.4830741	0.0101915	0.4217883	0.0440035	0.0140436	6.040376667	6.081463158	6.061413235	6.142936364								
LOC677528	ILMN_2656362	0.4798284	0.945782	0.0071564	0.4145076	0.0002681	0.0010366	9.500013333	9.476392105	9.497989706	9.602481818								
BCL2L2	ILMN_2551387	0.2281858	0.2152442	0.0047362	0.9737233	0.0130062	0.0159752	5.758356667	5.792813158	5.792060294	5.86055								
ZEB2	ILMN_1227793	0.6576569	0.5718117	0.0004937	0.9218797	0.0019558	0.0010995	5.58955	5.600247368	5.602375	5.691709091								
UBE2A	ILMN_2476804	0.8177897	0.9500046	0.0174358	0.7405797	0.0172227	0.0118181	7.649666667	7.640873684	7.651729412	7.751495455								
BC040758	ILMN_3034303	0.2893187	0.3769258	0.005221	0.7981817	0.037212	0.0192599	6.051266667	6.083378947	6.076677941	6.153059091								
FOX1	ILMN_3163279	0.8430818	0.9489308	0.0179908	0.7493004	0.0116943	0.0050916	5.774953333	5.767334211	5.776966176	5.876681818								
BCKDK	ILMN_1249301	0.2175888	0.9222956	0.0155004	0.1187378	8.623E-05	0.0058096	9.482256667	9.443044737	9.485333824	9.583913636								
TRIM15	ILMN_1246816	0.6897495	0.1295912	0.0020197	0.2301412	0.0022952	0.0177117	5.583353333	5.593910526	5.620164706	5.684890909								
HOXC10	ILMN_2836885	0.8983767	0.7071051	0.0314001	0.5904321	0.0430888	0.0058908	6.14456	6.149455263	6.131916176	6.246045455								
NFKB1	ILMN_2592476	0.7689871	0.9504177	0.0029537	0.6379058	0.0079048	6.316E-05	11.572606667	11.58177368	11.57118529	11.67374091								
OLFR228	ILMN_2818216	0.2773733	0.6197379	0.0024911	0.0611951	6.157E-05	0.0029144	5.64159	5.606563158	5.655326471	5.742690909								
CLCN1	ILMN_2802672	0.4944629	0.9550135	0.0048403	0.4679323	0.0412931	0.0034553	5.78522	5.807239474	5.786810294	5.886245455								
6330579M01RIK	ILMN_1256365	0.375962	0.8389799	0.0018333	0.2222726	0.0075945	0.0001729	5.81892	5.839239474	5.814498529	5.919422727								
SFRS2IP	ILMN_2713448	0.7374842	0.4155913	0.0163379	0.1530212	0.0073823	7.545E-05	9.258286667	9.270178947	9.233055882	9.358495455								
4930543G11RIK	ILMN_1233640	0.8229463	0.6641014	0.0021213	0.4370222	0.0015111	1.198E-05	5.784193333	5.78985263	5.775158824	5.88425								
2900090M10RIK	ILMN_1260170	0.2843888	0.1051492	0.0006685	0.7017619	0.0214413	0.0209832	5.65543	5.685610526	5.694514706	5.755240909								
LOC100048331	ILMN_1242041	0.5890128	0.8478217	0.0260322	0.3738719	0.029814	0.0038906	5.8999	5.918623684	5.893625	5.999568182								
TFIP11	ILMN_2661666	0.9021335	0.1601949	0.0059321	0.0744788	0.0006418	0.042188	8.054953333	8.051084211	8.095283824	8.154390909								
TTC4	ILMN_1220820	0.5058343	0.9987373	0.0157986	0.4538196	0.0009629	0.0059389	8.308693333	8.288452632	8.308645588	8.408109091								
CAMK1	ILMN_2944939	0.1046081	0.1579896	0.0245902	0.5280152	5.12E-05	1.848E-05	6.459003333	6.399568421	6.416069118	6.557886364								
2600005J22RIK	ILMN_1246515	0.8404354	0.1647097	0.0093088	0.1506204	0.0012756	0.0457951	5.692316667	5.698397368	5.732252941	5.790959091								
PSCD2	ILMN_1251874	0.3499468	0.4129054	0.0056646	0.7717056	0.0009164	0.0001789	6.155033333	6.126615789	6.134001471	6.253527273								
control_ILMN_137	ILMN_1378911	0.3266769	0.4247131	0.0042881	0.8607028	0.0134591	0.0075772	5.681283333	5.703731579	5.700030882	5.779386364								
F830116E18RIK	ILMN_2905525	0.4896761	0.3190837	0.0167845	0.9051036	0.009933	0.0007604	5.922473333	5.896713158	5.892973529	6.020572727								
ATPBD3	ILMN_2783557	0.7558553	0.8869908	0.0168345	0.8187708	0.0274611	0.0027203	6.565073333	6.575857895	6.569377941	6.663122727								
SLC22A21	ILMN_1234533	0.1702699	0.8254046	0.0092515	0.0945147	0.0370609	0.0005133	5.769	5.808589474	5.774551471	5.867009091								
FBXL15	ILMN_2792047	0.4234882	0.5212452	0.0145001	0.8581854	0.0008434	0.0015336	7.304583333	7.278686842	7.283870588	7.402495455								
4930481A15RIK	ILMN_1248737	0.6128947	0.6812972	0.0065184	0.8872365	0.0042368	0.0033059	5.86779	5.882173684	5.878910294	5.965627273								
E030016N13RIK	ILMN_1235317	0.7352544	0.3676594	0.0179538	0.5831603	0.0100781	0.001144	6.23018	6.217034211	6.198725	6.328004545								
PDGFB	ILMN_2618714	0.9502168	0.6373694	0.0146617	0.6615403	0.0091513	0.0067522	6.229823333	6.231968421	6.243358824	6.327645455								
4933437N03RIK	ILMN_2774580	0.5990406	0.4084001	0.0399537	0.7236668	0.0224403	0.0412527	6.072506667	6.089789474	6.098586765	6.169759091								
2310046A06RIK	ILMN_2700344	0.0969343	0.3378204	0.0036116	0.4052594	9.837E-06	0.005952	5.654603333	5.617594737	5.633589706	5.7515								
MAK10	ILMN_2828599	0.5752463	0.9983123	0.0046274	0.4325795	3.775E-05	8.271E-05	9.515693333	9.500657895	9.515651471	9.612581818								
LOC277236	ILMN_2530354	0.7457257	0.6674914	0.0050773	0.9777173	0.0168366	0.0030544	5.9668	5.976176316	5.976830882	6.063481818								
TMEM43	ILMN_2700505	0.0835943	0.0626718	0.0036365	0.7250175	0.049367	0.0089064	9.091776667	9.138781579	9.132544118	9.1884								
CAMK1	ILMN_2671721	0.4436506	0.5545176	0.0132409	0.7570204	0.0275119	0.0108723	5.496296667	5.521871053	5.513919118	5.592581818								
SPIN2	ILMN_2934522	0.6340554	0.9950055	0.0251077	0.5423285	0.0292125	0.0044587	6.355673333	6.370976316	6.355486765	6.451927273								
V1RC23	ILMN_3004978	0.8737593	0.741798	0.0106524	0.86417	0.0198366	0.018027	5.682017	5.686805263	5.691661765	5.77972727								
ZFP239	ILMN_3127381	0.581699	0.6616131	0.0039776	0.2408011	0.0001224	0.0024932	7.216716667	7.201723684	7.227942647	7.312536364								
COQ6	ILMN_2766720	0.0609297	0.1767637	0.0005158	0.5643333	0.0293836	0.0150091	9.932686667	9.977407895	9.965157353	10.02839545								
CLCNKB	ILMN_2757283	0.5241885	0.7711142	0.0094468	0.329601	0.0020966	0.0219642	5.946433333	5.926278947	5.955783824	6.042031818								
2310051M13RIK	ILMN_1237270	0.9665468	0.7712352	0.010363	0.7144495	0.0083616	0.005952	5.616203333	5.617539474	5.608520588	5.7118								
RHOT1	ILMN_1242500	0.0880116	0.115869	0.0021147	0.7432917	0.0370818	0.0149865	9.741433333	9.783013158	9.776666176	9.836890909								
GPR106_LGR8_GPC	ILMN_1232852	0.6559832	0.1943148	0.0048859	0.3798783	0.0075116	0.018548	5.783516667	5.794997368	5.813719118	5.878945455								
OLFR907	ILMN_2598615	0.808605	0.1558679	0.0060448	0.074934	0.0033194	0.0356122	5.608323333	5.601023684	5.643789706	5.703095455								
TRABD	ILMN_2978533	0.9932761	0.6202648	0.0298695	0.5756887	0.0186853	0.0070355	8.528336667	8.528678947	8.508880882	8.623013636								
BLCAP	ILMN_2705802	0.2000735	0.9166434	0.0072842	0.0669285	4.606E-05	0.0060762	8.161383333	8.124126316	8.163920588	8.255986364								
GM628	ILMN_3160644	0.5486986	0.373997	0.0198613	0.8226972	0.0470765	0.0434019	5.719166667	5.740194737	5.746419118	5.813490909								
DNM3	ILMN_2482131	0.257664	0.2129101	0.0029941	0.9502021	0.0252594	0.0271116	5.678993333	5.708965789	5.710380882	5.771918182								
MCPT6	ILMN_3161036	0.3075769	0.3338097	0.0163978	0.9128994	0.0019187	0.0012382	5.812683333	5.779026316	5.782316176	5.905395455								
MAMPKPK2	ILMN_2614212	0.3405698	0.9789861	0.0144365	0.2270708	0.0002685	0.0036369	10.01880333	9.9891	10.01956471	10.11131818								
FAM123A	ILMN_2456075	0.40995	0.9842072	0.0055417	0.3393686	0.0161379	0.0011625	5.86123	5.882305263	5.861704412	5.953740909								
SAMD10	ILMN_2656359	0.1227068	0.7510529	0.0333693	0.0739749	0.0008446	0.0023264	6.993723333	6.932505263	6.984454412	7.085995455								
ZFP748	ILMN_3083372	0.9505811	0.723013																

MLANA	ILMN_2624504	0.8366064	0.9717368	0.0342591	0.7724045	0.0094546	0.0116815	5.76753	5.760731579	5.768636765	5.8595						
ITGA2B	ILMN_2911123	0.5523529	0.8240584	0.0280837	0.6767155	0.0063309	0.0116275	6.458176667	6.438010526	6.450829412	6.550131818						
CYGB	ILMN_2801891	0.7970836	0.5797241	0.0284966	0.3738972	0.0169884	0.0497784	6.101066667	6.091292105	6.119488235	6.193004545						
ATP13A1	ILMN_1250382	0.504888	0.5304265	0.0137751	0.9567733	0.0278898	0.0261892	8.999603333	9.019186842	9.017792647	9.091486364						
TRIM2	ILMN_1234848	0.8635114	0.7258571	0.0480353	0.5690486	0.0364928	0.0284386	5.767873333	5.761813158	5.777947059	5.859163636						
A230084A06RIK	ILMN_1230144	0.438214	0.7908668	0.017746	0.5822307	0.0008696	0.0054444	5.812173333	5.788897368	5.803954412	5.903431818						
CXCL14	ILMN_2659426	0.3672578	0.6984898	0.0227136	0.5363132	0.0014648	0.0040045	5.63365	5.604478947	5.621769118	5.724809091						
TTC15	ILMN_2502614	0.9478116	0.2793105	0.0146119	0.2251028	0.0003816	0.0003816	7.225596667	7.227939474	7.191466176	7.316681818						
TG737RPW	ILMN_2772847	0.769335	0.5408913	0.0125609	0.3251282	0.0054868	0.032187	6.282606667	6.273515789	6.300575	6.372831818						
AMBRA1	ILMN_3048294	0.4436924	0.3474318	0.0044493	0.897776	0.0232608	0.0215698	5.725223333	5.745826316	5.748851471	5.815154545						
control_ILMN_137	ILMN_1378677	0.9834438	0.4208402	0.0119587	0.3634062	0.0064359	0.0105893	5.97326	5.972618421	5.993672059	6.063127273						
PEF1	ILMN_2643723	0.3190562	0.349924	0.0023136	0.9026663	0.0456968	0.0324455	9.281666667	9.310060526	9.306907353	9.371368182						
DOHXS9928E	ILMN_2856628	0.9868439	0.2430322	0.0119803	0.1947226	0.0068983	0.0411307	9.81716	9.816639474	9.848302941	9.90685						
9/2/13	ILMN_2756696	0.4036944	0.7067578	0.0062425	0.6412731	0.032992	0.0116011	5.95884	5.979671053	5.968436765	6.048472727						
OLFR519	ILMN_2854265	0.6487248	0.8306964	0.0441492	0.4397773	0.0088403	0.0439192	5.661136667	5.643110526	5.669105882	5.750636364						
OLFR312	ILMN_3161363	0.3709362	0.9122832	0.0341618	0.2388347	0.0006155	0.0205264	5.722203333	5.691555263	5.725964706	5.811631818						
AMBRA1	ILMN_3124160	0.1300997	0.3534726	0.0171014	0.387355	2.983E-05	0.0002112	8.782346667	8.732421053	8.754764706	8.87175						
COL4A1	ILMN_2621643	0.4260512	0.741024	0.0226211	0.5854495	0.000579	0.0037227	6.219506667	6.194963158	6.209345588	6.308686364						
A1844366	ILMN_2684007	0.8267983	0.7540866	0.0158645	0.9546165	0.0021707	0.0003333	5.80145	5.794457895	5.793163235	5.890395455						
CAR6	ILMN_1257323	0.6178161	0.3420742	0.0128943	0.0987578	0.0011396	0.0434174	5.65408	5.63995	5.680355882	5.743022727						
PLD1	ILMN_2595408	0.6933796	0.4598863	0.0261827	0.1848692	0.0031361	0.0417093	5.90579	5.893855263	5.927305882	5.994177273						
C230092H20RIK	ILMN_1233960	0.6635724	0.8478167	0.0125377	0.4360673	0.0039406	0.0017189	5.8978	5.885568421	5.901997059	5.986186364						
GSTK1	ILMN_2792924	0.4032401	0.7012269	0.0255146	0.5506278	0.0012396	0.003184	8.39841	8.369881579	8.386477941	8.48635						
EPM2A	ILMN_2920454	0.8794744	0.8061546	0.0132493	0.959312	0.0124013	0.0011846	5.76621	5.761413158	5.760173529	5.853804545						
LOC383439	ILMN_2539543	0.2952126	0.9774352	0.0025687	0.1846293	0.0001346	0.0003456	5.70715	5.681865789	5.707725	5.794672727						
C730048C13RIK	ILMN_2685022	0.2852307	0.2000217	0.0027292	0.9797444	0.036687	0.0173485	5.911796667	5.940139474	5.940685294	5.9992						
2210010L05RIK	ILMN_2599306	0.7962894	0.7235455	0.0103897	0.9415268	0.0088344	0.0059479	5.890833333	5.596602632	5.598317647	5.676368182						
NAPA	ILMN_2865822	0.765486	0.7354396	0.0219155	0.9886115	0.0101871	0.0021767	8.002653333	7.993915789	7.994260294	8.089840909						
GABRG1	ILMN_1245521	0.8166826	0.7082468	0.0148667	0.8735121	0.0120432	0.0154195	5.539946667	5.546115789	5.549933824	5.626995455						
4930471I01RIK	ILMN_1249396	0.2839252	0.5667521	0.0059659	0.5439773	0.0084971	0.0042064	5.840526667	5.865676316	5.854005882	5.927468182						
COBL1	ILMN_2782634	0.9710692	0.2118397	0.0255754	0.1196364	0.0050579	4.622E-05	7.115376667	7.116502632	7.080435294	7.202304545						
CNTLN	ILMN_1240584	0.3068149	0.1586001	0.0077427	0.7782586	0.0372153	0.0339742	5.61508	5.641421053	5.647154412	5.701913636						
TSNAXIP1	ILMN_2881498	0.9924676	0.90236	0.0071163	0.9143399	0.0261038	0.0062068	5.814843333	5.814523684	5.811405882	5.901509091						
A4GALT	ILMN_3009373	0.8116153	0.5693332	0.0184883	0.736504	0.021082	0.0257947	5.785286667	5.792531579	5.801111765	5.871859091						
CHGA	ILMN_2814927	0.3483913	0.7266219	0.0096339	0.1381136	0.0005824	0.0091828	5.746556667	5.719539474	5.755676471	5.832945455						
SOX7	ILMN_1234505	0.6093964	0.3749197	0.021001	0.097519	0.0254778	0.0002976	6.187313333	6.202473684	6.163425	6.273668182						
KIF17	ILMN_2704842	0.3924928	0.7016444	0.0148383	0.5102019	0.0442288	0.0077901	5.8875	5.912607895	5.897030882	5.973745455						
KDCA1	ILMN_2755241	0.9154914	0.5353693	0.0386027	0.3891859	0.0087424	0.0495258	5.64207	5.638189474	5.662566176	5.727986364						
TCF7L2	ILMN_1231177	0.6368615	0.7232551	0.0093115	0.7890029	0.0050373	0.0004892	5.724723333	5.710573684	5.716716176	5.810431818						
OLFR506	ILMN_2813771	0.2185635	0.1278011	0.0257981	0.934357	0.0002361	2.424E-05	5.67991	5.637868421	5.635769118	5.765595455						
WNK2	ILMN_1214402	0.9320074	0.6358419	0.0308033	0.662214	0.0141372	0.0324535	5.703856667	5.706834211	5.718935294	5.789340909						
8030455F02RIK	ILMN_2551098	0.5985382	0.1917938	0.0111058	0.4126604	0.0153009	0.0482003	5.73374	5.748163158	5.765951471	5.819077273						
D430013G08RIK	ILMN_1241865	0.4394908	0.7898042	0.0137003	0.5944586	0.0174799	0.0124872	5.650593333	5.670342105	5.657922059	5.735872727						
NRXN1	ILMN_2550623	0.4470251	0.6243021	0.0095758	0.7062275	0.0001669	0.0003535	5.979573333	5.959471053	5.967466176	6.064813636						
WIZ	ILMN_3095005	0.3430532	0.7241176	0.0455579	0.3711582	0.0016648	0.0030671	7.21713	7.182071053	7.206314706	7.301809091						
BPHL	ILMN_2747284	0.7341613	0.6190805	0.0071592	0.3685003	0.0121313	0.0012581	5.726646667	5.735092105	5.714341176	5.811322727						
EG665903	ILMN_2624523	0.867418	0.9975489	0.0130084	0.8205651	0.0023711	0.0012322	5.54671	5.541965789	5.546788235	5.631263636						
GPSN2	ILMN_2606579	0.6369265	0.6787878	0.0467409	0.2847033	0.0127211	0.0376058	11.36477667	11.34527632	11.37852794	11.44931364						
V1RG5	ILMN_2838831	0.824207	0.9841046	0.013051	0.8081059	0.0152872	0.0055188	5.585696667	5.592194737	5.586235294	5.669590909						
LOC668779	ILMN_1248416	0.6353751	0.7961937	0.0193804	0.3512141	0.008817	0.0011392	5.82907	5.841984211	5.822419118	5.91275						
AW538212	ILMN_2688996	0.1153576	0.0942852	0.004006	0.992924	0.0001064	3.481E-05	5.662	5.618852632	5.619076471	5.745609091						
D930029H24RIK	ILMN_1228871	0.4741864	0.4712487	0.0066788	0.986283	0.001112	0.000874	5.586836667	5.5675	5.567926471	5.670409091						
control_ILMN_137	ILMN_1379309	0.7754473	0.6056504	0.0167735	0.8189121	0.0339137	0.0412178	5.740433333	5.749018421	5.755252941	5.823736364						
MFS07C	ILMN_1248190	0.921069	0.2732591	0.0172727	0.216696	0.0190112	0.0492927	5.92774	5.924468421	5.955697059	6.011031818						
EFNA5	ILMN_2662536	0.3652588	0.5570784	0.0099712	0.1089818	0.0016573	0.0402057	5.71599	5.688497368	5.732614706	5.799154545						
DMXL1	ILMN_2429071	0.549142	0.9045195	0.0143862	0.5220237	0.0117717	0.0018762	5.96065	5.975723684	5.963417647	6.043718182						
LOC276803	ILMN_2534316	0.1660366	0.5484472	0.0219723	0.2751194	0.0007734	0.00151	5.940693333	5.897260526	5.924936765	6.02375						
2810043G13RIK	ILMN_2705440	0.8139185	0.2479328	0.0098315	0.326601	0.0071206	0.0171305	5.881486667	5.887989474	5.907816176	5.964436364						
ABCF3	ILMN_2677696	0.0807858	0.6364522	0.0019293	0.1713271	3.673E-05	0.0011514	9.548456667	9.504076316	9.536877941	9.6311						
9830166F08RIK	ILMN_2586977	0.7065803	0.8033313	0.037432	0.8797518	0.0111999	0.0167932	5.70739	5.718118421	5.714625	5.789945455						









HLTF	ILMN_2604086	0.1043547	0.0745037	0.0008757	0.9698134	0.015693	0.0119087	6.093073333	6.029134211	6.027913235	5.924654545						
FNBP4	ILMN_1260410	0.8308135	0.2444176	0.0026371	0.3010981	0.00159	0.0094423	7.02603	7.015605263	6.975920588	6.858595455						
LOC623121	ILMN_2526938	0.1192934	0.3685915	0.0126513	0.3275128	6.554E-05	0.0001654	7.308336667	7.396323684	7.352626471	7.142136364						
3300001P08RIK	ILMN_2798797	0.2603699	0.0906179	0.0011878	0.7227731	0.0025688	0.0005881	10.70506	10.66184211	10.65289118	10.53989545						
LOC100048622	ILMN_2677056	0.8875675	0.6150394	0.0061871	0.4324741	0.000341	0.0026012	9.917543333	9.924692105	9.894410294	9.753277273						
C430005L07RIK	ILMN_1231989	0.058126	0.0629128	0.0006098	0.8300766	0.0137559	0.0072494	6.22569	6.156028947	6.162217647	6.062545455						
ZFP654	ILMN_2634157	0.0690439	0.4576866	7.378E-06	0.2158423	0.0004514	1.882E-05	7.83237	7.779128947	7.811010294	7.670627273						
E030040J04RIK	ILMN_2582659	0.6078898	0.9458919	0.0006524	0.5975726	1.549E-05	5.698E-05	6.016863333	5.998997368	6.014388235	5.85555						
ARL4C	ILMN_1232537	0.7411904	0.1262729	0.0022258	0.0511661	0.0052297	3.71E-06	8.98283	8.969447368	9.037364706	8.822018182						
ARID4A	ILMN_1249368	0.6347784	0.2253888	0.0129741	0.4512613	0.0144791	0.0290618	7.24665	7.221260526	7.191375	7.086068182						
LOC546629	ILMN_2514130	0.1422128	0.1149133	0.0001395	0.842507	0.0031759	0.0067875	6.201816667	6.155281579	6.149257353	6.041940909						
TDP1	ILMN_1222101	0.2047179	0.2160393	0.000427	0.7660188	0.009534	0.0015996	7.001043333	6.9467	6.956392647	6.841454545						
CUL1	ILMN_1226323	0.0934383	0.0689027	0.0020377	0.7614183	0.0417649	0.0066512	8.832946667	8.763292105	8.772133824	8.675431818						
D030041G07RIK	ILMN_1242969	0.1886471	0.0625491	0.0009933	0.6143277	0.0080014	0.01659	7.062546667	7.013210526	6.998004412	6.907159091						
E130014H08RIK	ILMN_2680388	0.0669437	0.0611037	6.369E-05	0.9737956	0.0118435	0.0114303	6.120063333	6.056794737	6.057810294	5.964904545						
TRAF5	ILMN_2440604	0.5245563	0.240113	0.0069051	0.5272163	0.002895	0.021429	6.81995	6.790965789	6.768398529	6.664904545						
PPP2R5C	ILMN_2742461	0.1137921	0.0822204	0.000379	0.9294784	0.0116573	0.003355	6.077013333	6.021755263	6.024205882	5.922486364						
MTF2	ILMN_2703913	0.2003631	0.2985865	0.0037587	0.69841	0.0338986	0.0131918	10.53759667	10.48152632	10.49541324	10.38590909						
WDR20B	ILMN_1235032	0.2378139	0.4785172	0.0001924	0.4562457	6.383E-05	6.788E-06	5.85008	5.813589474	5.830157353	5.698718182						
RNF125	ILMN_1232600	0.9821989	0.0966035	0.0004117	0.0954952	0.0011395	5.261E-07	7.012443333	7.011668421	7.063036765	6.861245455						
9330168G06RIK	ILMN_1246293	0.541902	0.4831022	0.0002415	0.9455771	0.001393	0.0014771	6.250186667	6.227921053	6.225692647	6.100836364						
LAMP2	ILMN_2577206	0.8191765	0.0539446	0.0008346	0.0790161	0.0013531	0.0184912	6.187146667	6.178439474	6.124277941	6.037936364						
JMJD1A	ILMN_3043245	0.3184575	0.6524928	0.0002081	0.0721281	0.0003896	5.234E-07	8.215583333	8.183889474	8.228458824	8.066877273						
ST8SIA4	ILMN_2784230	0.1349801	0.4757493	0.0010337	0.2606324	0.0282489	0.0007833	9.773773333	9.715015789	9.749726471	9.625213636						
LRBA	ILMN_2659960	0.1799484	0.133935	0.0017445	0.9397744	0.0020409	0.0009886	9.108856667	9.059176316	9.061001471	8.960695455						
TDE2	ILMN_2775381	0.9569371	0.1312657	0.0031592	0.0902878	0.0004224	0.023742	9.271143333	9.2688	9.211947059	9.123181818						
9/6/13	ILMN_2681293	0.6376283	0.2496409	0.013978	0.4764143	0.0147626	0.042388	7.035323333	7.010981579	6.982983824	6.888654545						
D830015B12RIK	ILMN_1234367	0.3056546	0.0722794	0.000227	0.5230609	0.0080097	0.0113831	6.263736667	6.227584211	6.208301471	6.117745455						
PARD6G	ILMN_1237631	0.6758842	0.678385	0.0008684	0.9647959	0.0005219	0.0001265	7.15756	7.144507895	7.145636765	7.011668182						
4933400A11RIK	ILMN_1250324	0.1935489	0.4946985	0.0004042	0.3406698	0.0187275	0.0002919	5.711286667	5.661910526	5.690280882	5.565481818						
2210016L21RIK	ILMN_1251123	0.0684124	0.16045	0.0003539	0.64567	0.0044914	0.0025111	5.983086667	5.929236842	5.940947059	5.837568182						
MDM1	ILMN_2754667	0.2519943	0.245198	0.0003565	0.8734112	0.0067575	0.0011209	5.990166667	5.953171053	5.957473529	5.8456						
CDC37L1	ILMN_1242724	0.432965	0.761838	0.0018235	0.5048792	0.0099697	0.0004164	6.163896667	6.133318421	6.153929412	6.019554545						
B230215E14RIK	ILMN_1229011	0.592917	0.1953042	0.0001056	0.4836819	0.0009696	0.0011241	6.061116667	6.044002632	6.024869118	5.917009091						
POM121	ILMN_1232596	0.4266327	0.8235093	0.0023101	0.2179086	5.406E-05	0.0005903	7.310896667	7.342360526	7.30295	7.167040909						
FOXN3	ILMN_2844097	0.263597	0.2044031	0.0046681	0.8933949	0.0175122	0.0032148	8.376153333	8.329744737	8.333529412	8.232445455						
A130021K16RIK	ILMN_1251811	0.8195515	0.4426985	8.698E-05	0.2763052	6.792E-05	1.399E-05	5.984683333	5.9924	5.964948529	5.84155						
DAG1	ILMN_2853957	0.4252381	0.0602344	0.0057935	0.2406018	0.0046716	0.021198	7.180286667	7.147947368	7.115838235	7.037163636						
BIRC6	ILMN_1249233	0.4536278	0.3353887	0.0003783	0.8309255	0.0019878	0.0030886	6.940266667	6.915202632	6.908766176	6.797263636						
4930529C04RIK	ILMN_2725583	0.0698677	0.1711347	0.0008444	0.3333943	0.0233341	0.0005803	6.085303333	6.024965789	6.048104412	5.942704545						
SLC16A6	ILMN_1258950	0.2276815	0.1853384	0.0017589	0.9140867	0.0359606	0.0474072	7.43912	7.390255263	7.386244118	7.296981818						
LRRC40	ILMN_2647476	0.4646448	0.0601038	0.0005519	0.2406174	0.0007111	0.0022764	6.164913333	6.141073684	6.113097059	6.023013636						
BC051070	ILMN_1231143	0.2116225	0.6464236	0.0013109	0.3151572	0.0076044	0.0004444	5.77394	5.731926316	5.759560294	5.632954545						
LOC100045804	ILMN_1234370	0.3382488	0.1790407	0.0002281	0.8746705	0.0040019	0.0007338	6.080636667	6.046034211	6.041739706	5.939822727						
HS2D	ILMN_1239119	0.1471192	0.5429422	0.0124357	0.2283693	0.0322786	0.0041383	7.86715	7.806244737	7.842983824	7.726418182						
VPS26B	ILMN_2631192	0.4877351	0.9609904	0.034198	0.3065398	0.0480956	0.0011512	6.30113	6.266228947	6.299214706	6.160686364						
ST6GAL2	ILMN_2593002	0.9558336	0.6548532	0.0032893	0.6389678	0.00014	9.679E-06	5.81399	5.816073684	5.828707353	5.674245455						
TMPSR511A	ILMN_2890069	0.2867067	0.0781389	0.0083851	0.5779337	0.0331219	0.0413402	5.94694	5.900107895	5.882957353	5.808109091						
RAB27A	ILMN_2614966	0.3536785	0.847606	4.128E-05	0.1417117	0.0003182	2.305E-08	9.618303333	9.593155263	9.622351471	9.480636364						
LOC674087	ILMN_1227317	0.7428081	0.5889824	0.0356504	0.8518412	0.0432128	0.0485043	8.063523333	8.043044737	8.033966176	7.926122727						
1600012H06RIK	ILMN_2718861	0.8735272	0.6882422	0.0058169	0.8010036	0.0030669	0.0003194	7.32814	7.321276316	7.312647059	7.190854545						
4733401O04RIK	ILMN_1241389	0.0677838	0.3952881	0.0014767	0.2311688	0.0481461	0.0036164	6.47715	6.413797368	6.449102941	6.340095455						
OLFR504	ILMN_3161078	0.7901314	0.3313358	0.0005974	0.1655799	9.368E-05	0.0013106	5.74775	5.783405263	5.745994118	5.638240909						
ADRA1B	ILMN_2606415	0.0567563	0.2886452	0.0007337	0.1648395	0.04211	0.0004266	5.788323333	5.726486842	5.760369118	5.652727273						
RAB6B	ILMN_2761430	0.4774153	0.1361146	1.386E-05	0.4558055	0.0008766	0.0024321	5.805626667	5.7864	5.766961765	5.670081818						
HB-B1	ILMN_2545963	0.4662621	0.3162032	0.0349087	0.8666362	0.0474617	0.0308178	13.32452667	13.28905789	13.28345588	13.18936818						
ARHGAP12	ILMN_1227256	0.4817401	0.3480794	0.0002106	0.8572983	0.0007674	0.0003831	5.6783	5.657913158	5.653547059	5.543509091						
TYKI	ILMN_1240864	0.7589136	0.2384231	0.0348989	0.0519785	0.0036441	0.0175894	7.718213333	7.733778947	7.673405882	7.583704545						
LOC100048616	ILMN_1241963	0.7162173	0.3954892	0.0060337	0.6395898	0.0057424	0.0043046	6.623486667	6.608734211	6.594576471	6.489290909						
2600011C06RIK	ILMN_1220104	0.868067	0.3631006	0.0049484	0.2111005	0.0004285	0.0132494	6.318883333	6.324634211	6.286382353	6.185263636						

BIRC6	ILMN_1246660	0.0672901	0.104734	0.0013114	0.7687882	0.0121322	0.0153815	6.316916667	6.256421053	6.264130882	6.184036364						
RGS19	ILMN_2752044	0.3386985	0.0513674	0.0017904	0.4615514	0.0384581	0.0478533	6.648676667	6.608102632	6.584333824	6.516268182						
C130064E22RIK	ILMN_1221892	0.273743	0.2907843	0.0008524	0.7721263	0.0288794	0.0045581	7.445486667	7.401763158	7.410882353	7.313245455						
ITK	ILMN_2613422	0.2426571	0.1995844	0.0033648	0.9026044	0.0011014	5.597E-05	10.31404333	10.35670789	10.36085	10.18205455						
LCP2	ILMN_1216191	0.922014	0.3769241	0.0037673	0.2893479	0.0026778	0.0129815	6.589333333	6.593478947	6.556810294	6.45785						
RBM18	ILMN_2978585	0.8463194	0.3389752	0.0343126	0.1444854	0.0040046	0.0240736	7.331313333	7.341076316	7.292019118	7.200204545						
ZAP70	ILMN_1223542	0.9044306	0.705428	0.0456215	0.540508	0.0105488	0.0188293	7.124003333	7.130486842	7.106404412	6.993336364						
control_ILMN_137	ILMN_1378612	0.9737192	0.4660604	0.0008993	0.4172436	0.0008174	0.0016872	5.722833333	5.724013158	5.700172059	5.592318182						
MAT2A	ILMN_1258415	0.9394328	0.9420671	0.0351956	0.8585218	0.0147359	0.0087062	8.35585	8.352134211	8.359186765	8.225568182						
2210018M11RIK	ILMN_2521686	0.4267156	0.2939019	0.0047618	0.9461691	0.0249755	0.0079197	6.638536667	6.604639474	6.602507353	6.508409091						
ASH1L	ILMN_1245687	0.9747923	0.1188567	0.0053809	0.0649297	0.0009757	0.0241636	5.996946667	5.998094737	5.946575	5.8675						
LOXL3	ILMN_2665272	0.0917949	0.3127426	0.0005144	0.2454262	0.0442597	0.0005322	5.826726667	5.771368421	5.800639706	5.697527273						
UTX	ILMN_2506528	0.478826	0.3668646	0.0141063	0.8451567	0.0035826	0.0094907	9.849873333	9.822334211	9.816958824	9.722554545						
A730082L10RIK	ILMN_1220032	0.4032959	0.0666118	0.0020628	0.3220654	0.0062779	0.0220739	6.309363333	6.281157895	6.255379412	6.182745455						
ITGA6	ILMN_1223670	0.4066823	0.4327231	0.0030597	0.9994881	0.0018074	0.0045386	6.613506667	6.588739474	6.588763235	6.48725						
control_ILMN_137	ILMN_1378679	0.7876358	0.0526071	0.0035316	0.0717594	0.0028401	0.033764	5.660046667	5.650981579	5.603908824	5.534195455						
4930449I04RIK	ILMN_1238088	0.2051735	0.2326247	3.072E-05	0.8975991	0.0010693	0.0008706	5.92482	5.89145	5.894451471	5.800354545						
TSC1	ILMN_2423383	0.671018	0.2294959	0.0045867	0.4010538	0.0045924	0.01817	6.022403333	6.007705263	5.983791176	5.898672727						
MSH3	ILMN_3068452	0.9862047	0.388591	0.0029183	0.3099282	0.0003842	0.0101609	6.317296667	6.317907895	6.287680882	6.193777273						
9330171B01RIK	ILMN_1234726	0.0550221	0.4614803	0.0013359	0.1264928	0.0450841	0.001052	5.83447	5.777323684	5.814472059	5.710968182						
UGT2A1	ILMN_2434333	0.7105059	0.721824	0.004318	0.4166797	0.0006941	0.0029961	5.621583333	5.633452632	5.610448529	5.498127273						
C130078D09RIK	ILMN_1244755	0.1278604	0.3250882	0.0031383	0.4791575	0.001815	0.0022079	6.053696552	6.004831579	6.019788235	5.930827273						
RHBDP2	ILMN_1221129	0.8418475	0.5974591	0.0208933	0.7956291	0.0490314	0.0162212	6.356373333	6.346123684	6.336120588	6.233854545						
INPP4B	ILMN_1226239	0.0845058	0.2023733	0.0305842	0.5569054	8.807E-05	0.00041	9.272156667	9.351981579	9.328983824	9.149936364						
NIPSNAP1	ILMN_12619861	0.5290402	0.461368	0.0011652	0.113783	7.689E-05	0.0007688	9.28918	9.308102632	9.269794118	9.167031818						
LPIN2	ILMN_1220680	0.8290993	0.4643068	0.0118867	0.6218323	0.0180038	0.0137632	7.60717	7.597921053	7.581547059	7.485290909						
4833420G17RIK	ILMN_1242705	0.1105861	0.9985108	0.0014004	0.0558918	0.0298299	0.000163	6.1815	6.133973684	6.181452941	6.059827273						
NTSC	ILMN_1223097	0.9686998	0.1511051	0.0050398	0.0966739	0.0004879	0.0482836	10.14017667	10.13889474	10.09159412	10.0186						
D730033A03RIK	ILMN_1237794	0.1053282	0.0793496	0.0011131	0.9966108	0.0192989	0.0159084	5.94283	5.894176316	5.894086765	5.821409091						
1700011H14RIK	ILMN_1240624	0.4264888	0.3197876	0.0026488	0.9921006	0.006664	0.0011802	5.766446667	5.738492105	5.738245588	5.645190909						
4921505C17RIK	ILMN_2552030	0.3260702	0.0961802	0.0032143	0.5557595	0.0192574	0.0277537	6.429206667	6.39755	6.381835294	6.309031818						
ZSCAN2	ILMN_2481127	0.1016669	0.5049158	0.0025841	0.1920094	0.0493325	0.0019485	5.832116667	5.778686842	5.812569118	5.711959091						
ATL1	ILMN_2689284	0.0990851	0.0909213	0.0022863	0.97929	0.0491833	0.0478299	5.71863	5.665681579	5.666389706	5.5989						
COP21	ILMN_1223544	0.5564383	0.2108712	0.0079137	0.4514929	0.0094923	0.0431359	6.3019	6.281852632	6.259785294	6.182704545						
4921506M07RIK	ILMN_1226012	0.767214	0.1867961	0.004993	0.2845122	0.0061465	0.0237657	5.789413333	5.778978947	5.748717647	5.670604545						
4921506J03RIK	ILMN_2541863	0.058196	0.2388861	0.000234	0.3718193	0.0199308	0.0033724	9.92524	9.871423684	9.893135294	9.807481818						
GADD45GIP1	ILMN_2830860	0.7473828	0.3343774	0.0065388	0.1661634	0.0033004	0.035656	5.926886667	5.9394	5.892926471	5.809209091						
RDH1	ILMN_1230677	0.813449	0.2978746	0.0008105	0.3661283	0.000248	0.0023484	5.70993	5.703157895	5.681833824	5.592604545						
IKZF5	ILMN_2963412	0.4399219	0.4429187	0.0164708	0.8589593	0.024909	0.0071278	7.25512	7.225368421	7.230170588	7.138109091						
LOC385046	ILMN_2541806	0.430148	0.1400567	0.0010304	0.4703621	0.0012962	0.0068437	5.73528	5.711797368	5.694930882	5.618386364						
BC057371	ILMN_2676745	0.3145201	0.5342862	0.0025901	0.4806966	0.0001558	1.217E-05	5.73612	5.768484211	5.751522059	5.619290909						
9830118G07RIK	ILMN_1214091	0.1906198	0.1768389	0.0059989	0.8446158	0.0326653	0.0100365	6.56715	6.525489474	6.530077941	6.450931818						
MRP531	ILMN_2723162	0.1588756	0.3209264	0.0008342	0.4173279	0.0486679	0.0016695	5.696653333	5.649865789	5.670588235	5.580590909						
1600029O10RIK	ILMN_2546461	0.0997031	0.9814076	0.0169889	0.0514996	8.173E-05	0.0130412	7.692803333	7.769444737	7.691802941	7.576986364						
OLFR125	ILMN_2730288	0.1313929	0.5800322	0.0003406	0.2929673	0.0309284	0.001393	5.710643333	5.670455263	5.696926471	5.594827273						
SPCS2	ILMN_2762956	0.1761219	0.3131761	0.0115366	0.6079863	6.658E-05	0.000131	5.935356667	5.986028947	5.970344118	5.819986364						
BCL10	ILMN_1215785	0.5150295	0.3431271	0.0067767	0.8020252	0.0235364	0.0239616	6.291966667	6.268534211	6.260922059	6.176790909						
BCL11B	ILMN_1223119	0.1978185	0.243168	0.0250749	0.6949597	0.0005304	0.0001287	6.466986667	6.517447368	6.505741176	6.351922727						
control_ILMN_137	ILMN_1379152	0.217537	0.0923344	0.0022973	0.6192088	0.016625	0.0433882	5.677653333	5.641942105	5.629272059	5.562736364						
DPPA4	ILMN_3155408	0.1739081	0.2702328	0.0008807	0.4273251	0.0264242	0.0002288	5.814133333	5.774526316	5.790995588	5.699431818						
D12WSU95E	ILMN_1224518	0.2458634	0.989498	0.0016895	0.1792432	2.626E-05	0.0006446	9.425403333	9.463215789	9.425804412	9.310904545						
1700045I19RIK	ILMN_2967255	0.1534703	0.2851101	0.0006986	0.543461	0.0309232	0.0036094	5.913596667	5.870136842	5.885326471	5.799536364						
MK167	ILMN_1222340	0.2184501	0.1058261	0.0015179	0.6875769	0.0138791	0.0219347	5.71464	5.682371053	5.672839706	5.600581818						
HIRA	ILMN_1255703	0.6950285	0.4770547	0.0026956	0.1888999	0.0015154	1.642E-05	5.71061	5.698692105	5.730233824	5.596768182						
BC016608	ILMN_2652989	0.5083434	0.2407567	0.0072926	0.5462652	0.0029047	0.0137972	5.873616667	5.852886842	5.838388235	5.7599						
HIVEP3	ILMN_3151547	0.6221573	0.5784284	0.0063473	0.9821112	0.02066	0.0080704	5.8143	5.795202632	5.795891176	5.700604545						
CDKN1B	ILMN_2638428	0.917025	0.2609223	0.0009443	0.1910727	0.0007663	0.004622	6.319963333	6.323197368	6.290032353	6.206463636						
TMEM146	ILMN_1234738	0.5596329	0.2605099	0.0104122	0.5389246	0.0080401	0.0295507	6.1685	6.148844737	6.132217647	6.056054545						
ELF2	ILMN_1251296	0.6285277	0.9913975	0.0172094	0.5581871	0.0130433	0.0035537	6.475283333	6.457747368	6.474922059	6.362845455						
LOC100046343	ILMN_1230976	0.9248882	0.4685428	0.0162763	0.4630621	0.0043081	0.0178511	8.632353333	8.628797368	8.607308824	8.521077273						

INSL6	ILMN_2677859	0.6412477	0.6050936	0.0176684	0.9547704	0.0058919	0.0015237	9.453976667	9.436828947	9.438182353	9.34275						
TSSC1	ILMN_2457324	0.5346915	0.410146	0.011202	0.1038773	0.0344106	0.0006812	7.696453333	7.670657895	7.728852941	7.585313636						
APOM	ILMN_2769418	0.7480536	0.1164096	0.0016309	0.1694297	0.001166	0.0114258	6.10942	6.101231579	6.071398529	5.998286364						
BCORL1	ILMN_2755424	0.5064533	0.1306181	0.0057532	0.4880663	0.0243868	0.0204965	6.14217	6.119342105	6.101613235	6.031768182						
KAT2B	ILMN_1215305	0.8074212	0.6843084	0.014961	0.0453479	0.0025428	0.0064719	6.576886667	6.58595	6.563575	6.466563636						
DPPA1	ILMN_2656079	0.7292075	0.963383	0.0039038	0.7264915	0.0030607	0.0015125	5.75981	5.748876316	5.758391176	5.649590909						
LOC675899	ILMN_1225187	0.6992463	0.5575826	0.0012713	0.9400753	0.0002217	7.695E-07	11.88372667	11.89631579	11.89802353	11.77363636						
CDH23	ILMN_1252019	0.5014447	0.4307809	0.0049608	0.9860706	0.0304386	0.0154897	5.970186667	5.945952632	5.945426471	5.860313636						
LOC384240	ILMN_1231241	0.2925775	0.1219751	0.0013544	0.6701582	0.0059351	0.0082697	5.845473333	5.816294737	5.807029412	5.735695455						
PHIP	ILMN_1234202	0.0592684	0.3520945	0.0352473	0.2092254	1.647E-05	0.0013468	8.148903333	8.24305	8.191986765	8.039681818						
ZCCHC11	ILMN_1231967	0.7880921	0.5355275	0.0122213	0.7373265	0.0118006	0.0075116	5.953363333	5.943892105	5.934814706	5.844218182						
C030004B10RIK	ILMN_1259439	0.7356044	0.8161726	0.0048939	0.8086789	0.0113031	0.0002193	5.714183333	5.7017	5.707923529	5.605068182						
SH3BP2	ILMN_1255766	0.6289259	0.1060738	0.0005954	0.2239723	0.0008508	0.0113141	10.99547	10.98236842	10.95497941	10.88651364						
9030003C19RIK	ILMN_2556478	0.3612766	0.2266165	0.0017932	0.7949485	0.012478	0.019561	6.30629	6.278178947	6.271342647	6.197777273						
PTP4A2	ILMN_2642282	0.3416223	0.6921419	0.0495571	0.0973134	0.0026303	0.0369895	8.967936667	9.012752632	8.951845588	8.859495455						
B230120H23RIK	ILMN_2595189	0.7192865	0.7721243	0.0055388	0.4541691	0.0084984	0.0005516	5.60376	5.592065789	5.612216176	5.495790909						
LOC630421	ILMN_1221849	0.0597593	0.2054214	0.0017667	0.409467	0.0443924	0.0065254	6.025783333	5.977681579	5.995302941	5.917995455						
MYO5C	ILMN_1236641	0.7752801	0.095816	0.0021753	0.1881018	0.0106405	0.0488772	5.774123333	5.765497368	5.730282353	5.666459091						
A130027D22RIK	ILMN_1233685	0.2387366	0.5718522	0.0027726	0.4099722	0.0154264	0.0014254	6.198296667	6.165173684	6.183789706	6.090895455						
TMPO	ILMN_1220051	0.5256872	0.5067008	0.0105314	0.1571467	0.0055601	0.0389159	8.557416667	8.585160526	8.533298529	8.450218182						
HSD3B2	ILMN_1214838	0.3015491	0.3966672	0.0133709	0.8320674	0.0276584	0.0232042	5.771093333	5.73905	5.744586765	5.663945455						
NDRG1	ILMN_1250195	0.7393745	0.8440065	0.0138642	0.8707552	0.0126874	0.0126154	7.336333333	7.323686842	7.329026471	7.229204545						
RAB4A	ILMN_1212902	0.6265947	0.8422009	0.0252261	0.7357147	0.0086563	0.0096978	6.843623333	6.862610526	6.850907353	6.736786364						
RPL32	ILMN_1232890	0.5442472	0.2599497	5.347E-05	0.5956239	0.0002718	0.0006143	13.83211333	13.81921842	13.80899412	13.72541364						
A930025D01RIK	ILMN_1223523	0.5576374	0.6523893	0.0140034	0.1994279	0.0219357	0.0003644	6.41673	6.396328947	6.430195588	6.310840909						
NUFIP2	ILMN_2498813	0.5694042	0.1232094	0.0029603	0.3705824	0.0147044	0.0303234	6.071443333	6.053294737	6.030458824	5.966290909						
LOC236831	ILMN_1253568	0.8342139	0.4698155	0.0014248	0.2468924	5.101E-05	9.813E-05	12.44257667	12.44817105	12.42664118	12.33750455						
GPR12	ILMN_1221410	0.3734723	0.1790159	0.0027823	0.721614	0.0155188	0.0178744	5.7837	5.755857895	5.747101471	5.679290909						
GLRA1	ILMN_2657254	0.1164174	0.0615803	0.0008728	0.7330262	0.0218002	0.0460066	5.690036667	5.6508	5.643054412	5.585631818						
TRPM1	ILMN_3162921	0.5179639	0.3317461	0.0045132	0.0694575	0.0100765	5.237E-05	5.68666	5.650436842	5.694383824	5.564486364						
MS12	ILMN_2592174	0.6893694	0.6094327	0.0311427	0.9283434	0.0061832	0.0024893	5.971716667	5.986276316	5.988970588	5.867713636						
USP47	ILMN_2455217	0.2820285	0.0819176	0.0014364	0.4680971	0.0103573	0.0483787	6.113853333	6.0853	6.068192647	6.010090909						
DEFB14	ILMN_3161733	0.215456	0.4928357	0.0066859	0.4878044	0.0389184	0.0087454	5.79444	5.758081579	5.775191176	5.690909091						
1600032L17RIK	ILMN_2524058	0.4028161	0.6061978	0.0061233	0.1193815	0.0179857	0.0002792	6.07718	6.053210526	6.091069118	5.97365						
HEATR5B	ILMN_2625626	0.574324	0.276723	0.0046491	0.6474795	0.01455	0.0132789	6.279636667	6.262047368	6.250626471	6.176159091						
EP400	ILMN_2575376	0.7467958	0.2364198	0.0061003	0.3534152	0.0009459	2.344E-05	5.911806667	5.921736842	5.944972059	5.808472727						
C130075H21RIK	ILMN_1217814	0.4372626	0.8272666	0.0029509	0.2466091	0.0309872	0.0004333	5.863153333	5.838913158	5.868792647	5.76005						
MYB	ILMN_2683910	0.3349069	0.6143999	0.0060498	0.5851071	0.0408895	0.0095484	5.96478	5.935865789	5.950458824	5.861781818						
2810402E24RIK	ILMN_1251628	0.1019773	0.1865506	0.0019535	0.6416586	0.0311513	0.0141334	6.330663333	6.285539474	6.296026471	6.227672727						
DLGAP2	ILMN_2937486	0.7642321	0.7416106	0.0200202	0.4795674	0.0100723	0.014501	5.728533333	5.739528947	5.718060294	5.625627273						
COL23A1	ILMN_2650447	0.7700803	0.9975686	0.0090815	0.7133976	0.0005494	0.000973	7.128406667	7.137160526	7.128491176	7.025504545						
FAAH	ILMN_1233816	0.3635331	0.0935749	0.006972	0.4402115	0.0206574	0.0464402	5.98956	5.964115789	5.946645588	5.886959091						
DLC1	ILMN_2648569	0.4902596	0.5212585	0.0257642	0.8837077	0.0464994	0.022319	5.824196667	5.799747368	5.803795588	5.721713636						
E230016F22RIK	ILMN_2571134	0.0980216	0.0810981	0.0016428	0.9918235	0.0420266	0.0412482	5.729066667	5.684757895	5.684539706	5.627031818						
1700073E17RIK	ILMN_2449074	0.7104372	0.5882121	0.0012296	0.8795209	0.0005211	0.0004859	5.641803333	5.631934211	5.628777941	5.539877273						
MDM2	ILMN_1250774	0.1070369	0.1149383	0.0015467	0.8567834	0.0393432	0.0273539	10.50170333	10.45636579	10.46051324	10.39990909						
E530016P10RIK	ILMN_1224376	0.2990389	0.7400947	0.00936	0.298036	0.0488758	0.0016525	6.104856667	6.070465789	6.095805882	6.003086364						
ZFP212	ILMN_2521753	0.9554209	0.6328582	0.0128533	0.5837145	0.0215432	0.0014743	6.38679	6.384781579	6.401176471	6.285086364						
IFI204	ILMN_2623314	0.2394054	0.1406812	0.0036127	0.8595867	0.0187063	0.0137932	5.521196667	5.489834211	5.486161765	5.420104545						
TRPV3	ILMN_2817797	0.2402655	0.2562584	0.0070217	0.9649527	0.0241875	0.0320415	5.62817	5.598486842	5.597452941	5.527354545						
SEC1	ILMN_2733335	0.7407323	0.8997303	0.0491737	0.7662316	0.0375697	0.0126434	5.754276667	5.740523684	5.749694118	5.653522727						
9330133014RIK	ILMN_2511527	0.8767403	0.318911	0.0196879	0.4675145	0.048507	0.0344143	6.23197	6.226260526	6.205191176	6.131222727						
GALNT1	ILMN_2625681	0.9714869	0.2975368	0.0232723	0.2390968	0.0181203	0.0003745	7.85888	7.857452632	7.895080882	7.758145455						
FOXJ3	ILMN_2650040	0.736441	0.4666574	0.014201	0.17106411	0.0127129	0.0117895	8.670526667	8.657994737	8.647885294	8.569918182						
1810005K13RIK	ILMN_1246137	0.4055711	0.1510678	0.007145	0.5801246	0.0198345	0.033473	5.77925	5.75325	5.740070588	5.678704545						
CLASP1	ILMN_1254008	0.731198	0.5150611	0.0017794	0.3022383	0.0017634	0.0230209	6.05413	6.064752632	6.034072059	5.95395						
6030408K21RIK	ILMN_1218028	0.9050204	0.1935505	0.0009579	0.2122895	0.0008454	0.0038344	5.669393333	5.666268421	5.640398529	5.569368182						
A930008A22RIK	ILMN_2423730	0.0803392	0.6588565	0.0074583	0.1208183	8.172E-06	0.0004926	8.380963333	8.430597368	8.393158824	8.281059091						
1810007M14RIK	ILMN_2681311	0.9867738	0.3264536	0.0153026	0.2792479	0.0105098	0.0498006	6.890543333	6.891115789	6.859664706	6.790654545						
BC003331	ILMN_2719794	0.254712	0.5875327	0.0120195	0.5413595	0.0224451	0.0181672	7.384963333	7.351997368	7.367855882	7.285531818						

LOC382061	ILMN_1245034	0.9446984	0.3669927	0.0214387	0.351454	0.0090476	0.0014338	10.37113	10.37368684	10.40468824	10.27182273				
NAT12	ILMN_2623754	0.7368378	0.1485143	0.0155508	0.2500962	0.0144701	0.0293627	8.314633333	8.302757895	8.275223529	8.215740909				
OLFR782	ILMN_3161983	0.4504481	0.9262584	0.0059004	0.2714201	0.0111752	0.0002495	5.737763333	5.716676316	5.74	5.639059091				
CPEB2	ILMN_1236346	0.754902	0.7192569	0.0028115	0.4630443	0.0006974	0.0044823	5.658066667	5.666544737	5.648361765	5.559427273				
251004919RIK	ILMN_2778799	0.9146496	0.4162817	0.0081101	0.4380233	0.0055305	0.0264759	6.335453333	6.332197368	6.311452941	6.236859091				
LCN3	ILMN_1236379	0.3962847	0.4056312	0.0085751	0.9270237	0.038493	0.0271877	5.884476667	5.856815789	5.859325	5.786277273				
9930021J03RIK	ILMN_2626694	0.8473104	0.4195328	0.0096859	0.2816464	0.0050583	0.0227078	5.63169	5.637307895	5.609635294	5.53385				
LOC268939	ILMN_1215666	0.9716605	0.2374067	0.0104938	0.1445345	0.0009112	0.0418775	6.025216667	6.026355263	5.989661765	5.928159091				
IGHV14S3_X03573	ILMN_2453303	0.2247471	0.1772146	0.0113145	0.9609478	9.704E-05	1.92E-05	6.005066667	6.045584211	6.044322059	5.908227273				
4930524L23RIK	ILMN_2610591	0.9763316	0.4440562	0.0031664	0.4414658	0.00327	0.0050724	5.51084	5.509984211	5.492057353	5.414113636				
NANP	ILMN_2629922	0.4439226	0.3354253	0.0027216	0.8669722	0.0134795	0.0132829	5.710083333	5.689892105	5.685992647	5.613513636				
PCSK2	ILMN_1244247	0.9827126	0.5580062	0.0171803	0.5454144	0.0122208	0.0150089	5.669273333	5.668607895	5.653467647	5.572977273				
C87414	ILMN_1243166	0.8301125	0.5806195	0.0205123	0.3878184	0.004923	0.0367684	5.990493333	5.997397368	5.972451471	5.8942				
TMEFF2	ILMN_2518100	0.5540378	0.307364	0.0054996	0.6778876	0.0212317	0.0347081	5.677973333	5.660439474	5.649566176	5.581804545				
MIA3	ILMN_2600646	0.8629119	0.5002241	0.0100169	0.619891	0.0060729	0.0003258	5.843996667	5.849473684	5.862173529	5.747836364				
EG546913	ILMN_2531690	0.8300353	0.834077	0.0010234	0.9661145	0.0006485	0.0001001	5.761706667	5.767334211	5.766423529	5.665590909				
A630040J04RIK	ILMN_1252015	0.4837888	0.87064	0.003201	0.5272259	0.0004243	0.0008928	5.993063333	6.012613158	5.997267647	5.897040909				
HARS	ILMN_2769030	0.4861468	0.3140142	0.0113082	0.8091924	0.0132759	0.0117812	6.238436667	6.216931579	6.211557353	6.142640909				
HRK	ILMN_1229407	0.2096328	0.1223179	0.0028847	0.8953488	0.0322491	0.0274662	5.75883	5.723236842	5.720327941	5.6631				
LOC100045437	ILMN_1228865	0.7505552	0.926885	0.0100705	0.7929019	0.0077785	0.0061808	5.742806667	5.732802632	5.739961765	5.647127273				
AFMID	ILMN_2702894	0.7349138	0.5055376	0.0152111	0.7727553	0.0480428	0.0461388	6.246823333	6.234655263	6.225633824	6.151559091				
PMS1	ILMN_1250517	0.6367352	0.7197332	0.0222742	0.8956758	0.023488	0.0225456	5.817356667	5.801978947	5.805682353	5.722281818				
ID2	ILMN_2887239	0.8702895	0.4751141	0.0279837	0.5421713	0.0158696	0.0431245	6.11898	6.112697368	6.094567647	6.024290909				
FABP2	ILMN_2706493	0.8033747	0.7866504	0.0134488	0.9845572	0.0017729	0.0017791	5.574673333	5.581957895	5.582427941	5.48005				
ATG12	ILMN_2663570	0.2765947	0.6693377	0.0022197	0.4153576	0.0299606	0.0036453	8.973293333	8.94255	8.962186765	8.87895				
FBXW13	ILMN_2625152	0.5506756	0.6042237	0.0143692	0.8820256	0.037303	0.0150896	5.958916667	5.941	5.944770588	5.864777273				
TDH	ILMN_1244724	0.2991268	0.2202766	0.001097	0.8646909	0.0280882	0.037229	5.632846667	5.605236842	5.600979412	5.538713636				
CALCRL	ILMN_1235390	0.6192884	0.959516	0.0388553	0.5187058	0.0344821	0.0042841	5.57102	5.552502632	5.569420588	5.476895455				
IL1F9	ILMN_2658704	0.9599679	0.362586	0.0027602	0.326151	0.004563	0.0107344	5.66582	5.667273684	5.643604412	5.571768182				
SYT10	ILMN_2724250	0.367285	0.7220084	0.0144716	0.4300129	0.0404325	0.0041577	5.726353333	5.6979	5.716591176	5.632418182				
MEX3A	ILMN_2479681	0.3380093	0.6957226	0.0209027	0.4889153	0.0224868	0.0151692	6.931541379	6.896444737	6.913239706	6.837772727				
PRICKLE2	ILMN_3015864	0.8467823	0.7874096	0.0209157	0.9691369	0.0147291	0.0034501	5.850416667	5.857647368	5.858801471	5.756763636				
5830415L20RIK	ILMN_1257675	0.976909	0.9407398	0.0148166	0.9090173	0.0213148	0.0025673	7.799203333	7.800326316	7.79705	7.705868182				
GAPVD1	ILMN_1238871	0.6367536	0.1355577	0.0054484	0.2719336	0.0050197	0.029116	9.875493333	9.862042105	9.838317647	9.782222727				
LOC381770	ILMN_2539337	0.4275937	0.7376624	0.0151302	0.5639629	0.0383306	0.0148801	6.123156667	6.095863158	6.112223529	6.03				
TATDN3	ILMN_2647204	0.7744865	0.2357237	0.0013057	0.2930066	0.0004448	0.0243529	5.724313333	5.717452632	5.693994118	5.631331818				
KRT32	ILMN_2895346	0.8325026	0.5156987	0.0065035	0.639505	0.0011419	0.0001087	5.993876667	5.999742105	6.010070588	5.901004545				
LRRC18	ILMN_2728504	0.8949315	0.5910011	0.005234	0.6690196	0.003179	0.0007924	5.526923333	5.530942105	5.542358824	5.434140909				
NIN	ILMN_2778195	0.6803254	0.9897238	0.0093726	0.5882718	0.0017088	0.0014083	8.5343	8.546615789	8.533970588	8.442313636				
5830411J07RIK	ILMN_2679267	0.9168752	0.5707688	0.0080081	0.6350218	0.0095103	0.0108144	5.85217	5.849081579	5.837338235	5.760313636				
EEFSEC	ILMN_2587281	0.7897267	0.9248816	0.0102229	0.6720642	0.0051822	0.0032708	5.65683	5.664715789	5.654432353	5.565031818				
SPDYB	ILMN_2756787	0.4188197	0.3298557	0.0127321	0.9302795	0.0425628	0.0364783	5.668073333	5.642892105	5.640694118	5.576868182				
RNF150	ILMN_3032501	0.1040409	0.2494973	0.0228449	0.3483212	8.548E-05	7.229E-05	5.896763333	5.955207895	5.930469118	5.805768182				
SYNGR4	ILMN_3070294	0.5860337	0.7467844	0.0167894	0.7784429	0.0481033	0.0195099	5.656433333	5.638892105	5.646776471	5.565595455				
6030408B16RIK	ILMN_3125764	0.3754552	0.3898573	0.0040291	0.8844397	0.036486	0.0149594	6.25216	6.227231579	6.230682353	6.161786364				
C130039E17RIK	ILMN_2494727	0.2570242	0.9444619	0.0074785	0.1965718	0.0186735	0.0012731	5.731136667	5.703355263	5.729467647	5.640990909				
KRIT1	ILMN_2701155	0.2975452	0.1242828	0.0152567	0.6635597	0.0009445	8.52E-05	5.64008	5.672247368	5.683764706	5.549959091				
control_ILMN_137	ILMN_1378774	0.9307556	0.2861095	0.0362832	0.2053394	0.0299291	0.0019757	5.669826667	5.666792105	5.707342647	5.580013636				
PAPPA	ILMN_2630646	0.3757235	0.2469496	0.0127078	0.7949767	0.0313073	0.0437685	5.948626667	5.924163158	5.918261765	5.858904545				
1700016L04RIK	ILMN_2499229	0.9068536	0.3496515	0.003728	0.2877742	0.0068198	0.0356119	5.716706667	5.719863158	5.692752941	5.627036364				
C130072C03RIK	ILMN_1233936	0.8083855	0.8398444	0.0117163	0.6209926	0.004497	0.0141431	6.081323333	6.089007895	6.075160294	5.992027273				
OLFR564	ILMN_2771303	0.6059235	0.3617566	0.0038621	0.7522095	0.0085074	0.0036343	5.610586667	5.597744737	5.591648529	5.521359091				
1700016G05RIK	ILMN_2637903	0.7065492	0.586252	0.0380929	0.8980731	0.0087043	0.0024676	5.763153333	5.776560526	5.780139706	5.674022727				
RgenericRIP1	ILMN_2681694	0.5272695	0.4436967	0.0030417	0.9475417	0.0227677	0.0158192	5.954443333	5.936397368	5.934783824	5.865727273				
K20D4	ILMN_1240743	0.9620794	0.4376337	0.0016224	0.3884916	0.0019114	0.0055894	5.705186667	5.706357895	5.688022059	5.616690909				
4922502D21RIK	ILMN_2593944	0.4155873	0.2608502	0.0014164	0.8094367	0.0287873	0.0357882	5.802656667	5.779581579	5.773558824	5.714322727				
GM949	ILMN_2531100	0.7554924	0.5739886	0.0258405	0.812046	0.0276837	0.025157	5.67855	5.668557895	5.662460294	5.590413636				
DLG4	ILMN_2710764	0.8894548	0.6313459	0.0098786	0.719497	0.0092212	0.0139952	6.05743	6.053318421	6.044314706	5.969368182				
PTPN22	ILMN_2766313	0.8914719	0.3978819	0.0059982	0.2959911	0.0071583	0.0002047	5.784923333	5.781565789	5.804307353	5.697240909				
MED1	ILMN_2695175	0.6978466	0.3155412	0.0061145	0.5136009	0.0126153	0.0489572	5.69954	5.688523684	5.672022059	5.612195455				

HPN	ILMN_1240252	0.7037546	0.8400336	0.0251248	0.4693431	0.011654	0.0031729	5.78737	5.775389474	5.793452941	5.700045455						
USP47	ILMN_1256774	0.8866563	0.0842761	0.0014934	0.0608501	0.0099391	2.783E-05	6.331733333	6.327818421	6.377101471	6.24445						
CTD5PL2	ILMN_3154869	0.8735733	0.4599275	0.0147125	0.5616849	0.0151192	0.0017049	6.688386667	6.693771053	6.710814706	6.601177273						
PARP11	ILMN_1221241	0.8903692	0.6638582	0.0011354	0.5632186	0.0047832	0.0101482	5.620256667	5.624031579	5.609260294	5.533118182						
LOC381561	ILMN_2536925	0.1723748	0.216863	0.0075951	0.6464934	0.0439059	0.0093054	0.0093054	13.19958667	13.16311842	13.17164853	13.1126					
V1RD9	ILMN_2959825	0.9788191	0.1317526	0.0069015	0.0979927	0.0057014	5.894E-06	5.658806667	5.657992105	5.697108824	5.572222727						
SPN	ILMN_1255969	0.5596473	0.7111714	0.0075162	0.8578705	0.0095021	0.0137105	5.89838	5.884368421	5.888555882	5.811963636						
CKNK4	ILMN_2625370	0.6927491	0.8658761	0.0447239	0.5016589	0.0064063	0.025991	5.664273333	5.677852632	5.658711765	5.577881818						
PAX6	ILMN_2504978	0.6902548	0.2519094	0.0135426	0.0834441	0.0035471	0.0395486	5.669473333	5.681165789	5.640964706	5.583190909						
COP33	ILMN_1218678	0.5169321	0.6368832	0.0237309	0.2024763	0.0050189	0.0265416	6.04268	6.063476316	6.029414706	5.956536364						
OLFR894	ILMN_2631775	0.5583272	0.9984709	0.0439596	0.4213578	0.0033098	0.0079279	5.7664	5.789839474	5.766469118	5.6803						
9530053H22	ILMN_2617639	0.4188925	0.3540549	0.0035781	0.054257	0.0003069	0.011957	5.551996667	5.571878947	5.531242647	5.465995455						
5830472H07RIK	ILMN_2755293	0.3650164	0.6660751	0.0204663	0.1182634	0.0003978	0.0274633	6.253593333	6.282686842	6.240239706	6.167636364						
D930007M19RIK	ILMN_2581178	0.7633954	0.6060461	0.0224101	0.335377	0.0045154	0.0172931	6.347126667	6.356386842	6.333030882	6.261340909						
D130078K04RIK	ILMN_2569683	0.6663672	0.2573497	0.0413511	0.0513247	0.028787	0.0001493	5.92102	5.905407895	5.957402941	5.835468182						
LOC384287	ILMN_1226110	0.5438828	0.5814111	0.0033333	0.1920168	0.0174853	0.0001765	5.600046667	5.584278947	5.612377941	5.514790909						
LOC100048049	ILMN_2708610	0.9521813	0.2559068	0.011481	0.2112315	0.0108032	0.0493348	5.83809	5.839768421	5.810255882	5.752986364						
1700112H15RIK	ILMN_2743541	0.6486149	0.3201502	0.0108812	0.1093398	0.0211543	0.0002793	5.602223333	5.589636842	5.628055882	5.517240909						
RNF17	ILMN_2741929	0.7134597	0.3039073	0.0055782	0.1747023	0.0115691	0.0273409	5.560576667	5.571157895	5.537982353	5.475609091						
NARF	ILMN_1244845	0.3281369	0.0721462	0.0176127	0.4176605	0.0027905	0.0001596	7.168896667	7.19995	7.223792647	7.084013636						
HSPA1B	ILMN_2530672	0.771466	0.9805427	0.0373104	0.7019187	0.0198453	0.017804	5.990493333	6.0012	5.989733824	5.905659091						
B930071N01RIK	ILMN_1247868	0.9632328	0.6442669	0.0062749	0.6522583	0.0040953	0.0014718	5.752686667	5.753815789	5.764302941	5.668054545						
SEMA3E	ILMN_1228525	0.6303928	0.3243436	0.00681	0.6054607	0.0058388	0.0090843	5.622603333	5.610747368	5.600951471	5.538277273						
NALNT6	ILMN_2627386	0.8144688	0.7918429	0.0284545	0.5404713	0.0260369	0.0019673	5.865516667	5.875652632	5.872851471	5.781409091						
GC0A2	ILMN_2573793	0.8386801	0.9791901	0.0473111	0.8113465	0.0387878	0.0101734	5.96424	5.957523684	5.963505882	5.880186364						
LOC385027	ILMN_1255900	0.6575389	0.4828937	0.0095649	0.2241955	0.0282209	0.0016544	5.646326667	5.633852632	5.665861765	5.562377273						
SPRR2K	ILMN_2990390	0.4610699	0.1988329	0.0202078	0.5001156	0.0007792	0.000363	5.623606667	5.644615789	5.662151471	5.539818182						
STAT4	ILMN_2752599	0.9033132	0.9223381	0.0125316	0.814329	0.0093633	0.0156657	5.838816667	5.842352632	5.836001471	5.755045455						
1700006H02RIK	ILMN_1253202	0.7195873	0.4958858	0.0043993	0.7777704	0.0214114	0.0199032	5.87839	5.868286842	5.861352941	5.794681818						
OLFR463	ILMN_2702643	0.941253	0.9542228	0.0460991	0.8736715	0.0244688	0.0162632	5.806456667	5.809223684	5.804622059	5.722768182						
LOC637082	ILMN_1233896	0.9775942	0.7745997	0.0244268	0.7222327	0.0133239	0.0034332	5.796636667	5.795723684	5.804989706	5.71272727						
CHMP7	ILMN_2588610	0.7259657	0.6457792	0.0163974	0.9779851	0.0047052	0.0004421	9.48094	9.490673684	9.491242647	9.397440909						
AGPAT5	ILMN_1250939	0.9614614	0.5703106	0.0238288	0.574637	0.0157558	0.0166591	5.9402	5.938721053	5.925610294	5.856831818						
GRIN3	ILMN_2722319	0.7193688	0.409426	0.0162081	0.1731738	0.0048228	0.0223676	5.649423333	5.661078947	5.627986795	5.566109091						
R3HDM1	ILMN_2759868	0.5127528	0.8274176	0.0139212	0.3080578	0.043072	0.0024589	6.22318	6.204939474	6.228605882	6.140118182						
GM239	ILMN_2814357	0.8564432	0.3607762	0.0107896	0.2673967	0.0125712	0.0213908	5.75041	5.755331579	5.730616176	5.667736364						
genericC	ILMN_2606088	0.3693444	0.1421332	0.0063459	0.6205897	0.0007251	4.249E-05	5.638906667	5.663857895	5.675654412	5.556236364						
GUCY2C	ILMN_2751551	0.9311439	0.6791989	0.0266953	0.727426	0.0192255	0.0190927	5.75101	5.748381579	5.739895588	5.668413636						
DNAJC28	ILMN_2592571	0.7952743	0.9228959	0.0229884	0.6610701	0.006099	0.0044932	5.995306667	5.987768421	5.998058824	5.912995455						
A630057J21RIK	ILMN_1222357	0.2314964	0.6982961	0.0121469	0.0568623	0.0004558	0.0115815	5.72068	5.759102632	5.710363235	5.638481818						
PKD2	ILMN_2737658	0.9107416	0.6160621	0.0448763	0.491808	0.0248585	0.0440472	5.95138	5.955163158	5.936645588	5.869513636						
1110032A03RIK	ILMN_1215043	0.6042382	0.7715371	0.0053992	0.7763488	0.0169362	0.0057653	5.859373333	5.846365789	5.852595588	5.777881818						
2310016E02RIK	ILMN_1254063	0.7048363	0.6541008	0.0108308	0.9525587	0.0146772	0.0200185	5.7544	5.743484211	5.742011765	5.672968182						
C330011J12RIK	ILMN_2615978	0.8586984	0.9201107	0.0156124	0.7486874	0.0019331	0.0052056	5.719083333	5.714607895	5.721825	5.637795455						
JRKL	ILMN_1255837	0.9427248	0.8029279	0.0412463	0.8452461	0.023158	0.0194457	5.823186667	5.821102632	5.816498529	5.741981818						
ZFP120	ILMN_2456317	0.8626171	0.8674089	0.0107547	0.9891192	0.0092609	0.0063626	5.540176667	5.535910526	5.536211765	5.459018182						
KISS1	ILMN_2735829	0.7658177	0.2161865	0.007277	0.1117005	0.0202354	0.0001909	5.697123333	5.689555263	5.726642647	5.6162						
RTN3	ILMN_2572492	0.5310507	0.7196946	0.0224205	0.7369927	0.0375872	0.019464	5.90647	5.888605263	5.896657353	5.825581818						
AW822252	ILMN_2744956	0.9110759	0.6628267	0.0259589	0.4876944	0.0014865	0.0119086	5.76074	5.763905263	5.74905	5.679863636						
LRR39	ILMN_1230043	0.7845283	0.8889288	0.0136074	0.8897264	0.0015873	0.00431	5.708436667	5.715042105	5.711988235	5.627659091						
SCNN1B	ILMN_2618383	0.8982054	0.8224606	0.0343777	0.668188	0.0192109	0.0030956	5.610303333	5.606213158	5.616464706	5.529563636						
DLX6	ILMN_1213404	0.9865922	0.6995028	0.0138319	0.6976892	0.0132859	0.0016274	5.75542	5.755936842	5.765739706	5.674818182						
GM438	ILMN_1248574	0.2999972	0.5505015	0.0105011	0.6519213	0.0408515	0.0249861	5.745906667	5.720597368	5.730714706	5.665440909						
LOC236397	ILMN_1239998	0.6819703	0.8225891	0.0234194	0.4609324	0.0237734	0.0055854	5.832173333	5.820278947	5.838497059	5.751754545						
LOC381448	ILMN_2528515	0.7862356	0.3355951	0.0078061	0.517919	0.0070339	0.000228	12.88779333	12.89468947	12.89075882	12.80749091						
CCDC104	ILMN_2643580	0.5512377	0.7068019	0.0074226	0.2389928	0.0024549	0.0036015	5.84063	5.859457895	5.831667647	5.760527273						
LOC279638	ILMN_2588075	0.6434951	0.8289066	0.0190066	0.4385002	0.0044609	0.0166612	6.0283	6.041955263	6.022392647	5.948613636						
MADD	ILMN_1256376	0.8841383	0.5873814	0.0049344	0.6978806	0.0174898	0.0249892	5.59808	5.593768421	5.583701471	5.518418182						
LOC333749	ILMN_2530361	0.9961254	0.9454999	0.0089106	0.9434147	0.019264	0.0087053	5.940406667	5.940531579	5.938926471	5.860786364						
AGT	ILMN_1227398	0.9838994	0.7108285	0.0317634	0.6822639	0.0310015	0.0379501	5.643776667	5.644352632	5.633804412	5.564418182						

C77370	ILMN_1218340	0.6355803	0.745389	0.0080885	0.3593414	0.0033986	0.0044323	5.701306667	5.713702632	5.694325	5.621972727						
LOC382454	ILMN_1255829	0.9658817	0.7377271	0.0151115	0.7577817	0.0169871	0.0263888	5.770946667	5.769571053	5.761170588	5.692477273						
9130601C02RIK	ILMN_1216153	0.4110089	0.9474412	0.0052086	0.2671637	0.0448125	0.0007918	5.722513333	5.701268421	5.723889706	5.644172727						
B230216G23RIK	ILMN_2481643	0.5738403	0.4818068	0.0061084	0.1632362	0.0005697	0.0262431	5.642603333	5.6564	5.625255882	5.56435						
BMPR1B	ILMN_1219486	0.4614593	0.6682267	0.013751	0.6987948	0.0050068	0.0054518	5.720253333	5.742613158	5.732064706	5.642009091						
LOC100046568	ILMN_1258903	0.3199598	0.565766	0.0457105	0.5006254	0.0056304	0.0043152	5.87139	5.907021053	5.888016176	5.793381818						
A130003P22RIK	ILMN_1257646	0.7124793	0.8219187	0.0033766	0.8525193	0.0043866	0.0021054	6.037656667	6.046863158	6.042676471	5.959827273						
CF12	ILMN_1249976	0.6912082	0.4701812	0.0194689	0.7779825	0.0435501	0.0357747	6.263776667	6.252907895	6.246395588	6.18595						
control_ILMN_137	ILMN_1378775	0.2449939	0.2632084	0.032902	0.8118056	0.0016482	0.0006335	5.630993333	5.667786842	5.661682353	5.553213636						
TCFAP2C	ILMN_2783225	0.7620181	0.9408748	0.0280774	0.8084718	0.0113623	0.0264556	5.818516667	5.827960526	5.820864706	5.740859091						
BHLHB3	ILMN_2759227	0.5982206	0.9068422	0.0145963	0.4665519	0.0252029	0.0041333	5.618706667	5.606023684	5.621429412	5.541054545						
UGDH	ILMN_1253090	0.8063706	0.9199699	0.0085069	0.866032	0.0213414	0.0094823	5.862666667	5.856173684	5.860194118	5.78535						
control_ILMN_137	ILMN_1379205	0.7602591	0.9819625	0.0237431	0.7182357	0.0403374	0.014538	5.71972	5.711386842	5.720311765	5.642781818						
CRLF1	ILMN_2747811	0.7979725	0.2898963	0.002394	0.1858294	0.0073264	0.039054	5.672033333	5.679189474	5.647736765	5.595127273						
SOX2	ILMN_1248711	0.77498	0.6449247	0.0219339	0.8646521	0.0241069	0.0305053	5.68709	5.678613158	5.674401471	5.610327273						
LOC229152	ILMN_1240991	0.7580748	0.5264719	0.0070411	0.8449809	0.0341744	0.0058696	5.61709	5.608715789	5.604654412	5.540372727						
2210008F06RIK	ILMN_2429915	0.9158323	0.9785725	0.0492365	0.8718555	0.0341603	0.0179371	5.65113	5.654563158	5.650383824	5.574586364						
9530013H16RIK	ILMN_2559067	0.5771389	0.3207617	0.0167735	0.7213419	0.0493211	0.0486017	5.806686667	5.790413158	5.782267647	5.730295455						
MACROD2	ILMN_1226796	0.7170971	0.440629	0.0205588	0.7170822	0.0260174	0.0165478	5.871886667	5.861818421	5.854417647	5.795531818						
ZBTB44	ILMN_2589136	0.4870447	0.6354427	0.0131313	0.7523904	0.0485749	0.0153755	5.652506667	5.634860526	5.641651471	5.576604545						
LOC209474	ILMN_1245275	0.7909858	0.9579306	0.0172214	0.7236567	0.0147319	0.0078102	5.677973333	5.671436842	5.679282353	5.602077273						
OLFR1158	ILMN_1254931	0.7711087	0.8950205	0.0269546	0.6148863	0.0349077	0.005344	5.90849	5.900489474	5.911680882	5.832872727						
LOC383612	ILMN_1245739	0.9608875	0.4944551	0.0133369	0.5140363	0.0123428	0.0078986	5.58247	5.581242105	5.568833824	5.506859091						
NFAT5	ILMN_2732123	0.7220709	0.6373046	0.013798	0.3755303	0.0051969	0.0342599	5.82748	5.836571053	5.815392647	5.751886364						
IGHV5S15_AF2909	ILMN_2432375	0.2332618	0.593919	0.0082754	0.0524827	0.00034	0.0201746	5.96497	5.996957895	5.952066176	5.889468182						
ELMO2	ILMN_3058341	0.1248663	0.2456725	0.0320446	0.6570195	0.0004545	0.0012868	5.873053333	5.918702632	5.906870588	5.79765						
3110079015RIK	ILMN_2598181	0.691136	0.3535547	0.0016101	0.1785755	0.0025887	0.0184064	5.66052	5.669471053	5.641986765	5.585468182						
GFR3	ILMN_3029078	0.622644	0.9274573	0.0176204	0.6517359	0.0389289	0.0210445	5.61845	5.603889474	5.615789706	5.543463636						
OSBPL6	ILMN_1219286	0.421244	0.4236816	0.0162348	0.9386201	0.001723	0.0008632	5.831956667	5.852805263	5.8511	5.757227273						
DLG1	ILMN_2763839	0.738961	0.8043745	0.0497966	0.8747949	0.0096557	0.006355	5.726496667	5.737444737	5.733544118	5.652140909						
D130063P19RIK	ILMN_1238936	0.9480958	0.8417107	0.0270262	0.8912641	0.0207869	0.0134556	5.772983333	5.771063158	5.767867647	5.698895455						
EG634762	ILMN_1214492	0.2631925	0.7925924	0.0173523	0.1008914	0.0003285	0.0095864	5.778483333	5.806255263	5.772413235	5.704395455						
4833419K08RIK	ILMN_1250504	0.9049742	0.7421597	0.0204277	0.8107214	0.0042437	0.0019607	5.580176667	5.582989474	5.587622059	5.506263636						
D130061E05RIK	ILMN_2573307	0.7094617	0.6140585	0.0316363	0.9713841	0.0379944	0.0099984	5.734043333	5.723581579	5.722885294	5.660136364						
TMEM219	ILMN_2689569	0.2764255	0.7262618	0.0377142	0.4317587	0.00117	0.0087928	6.148696667	6.176007895	6.157932353	6.074918182						
OA1	ILMN_1242255	0.487166	0.6445263	0.0299857	0.1361413	0.0012152	0.0120236	5.56251	5.581981579	5.551513235	5.488740909						
OLFR1180	ILMN_2649883	0.8222038	0.6501832	0.0333256	0.8396433	0.0449768	0.032169	5.670083333	5.663052632	5.658069118	5.5964						
EFCAB1	ILMN_2917280	0.4077935	0.7317519	0.0074028	0.5983521	0.0051664	0.0105462	5.710406667	5.73445	5.719770588	5.636781818						
control_ILMN_137	ILMN_1378664	0.7399878	0.5731784	0.0487539	0.8437626	0.0373317	0.0133516	5.725506667	5.737144737	5.743244118	5.652136364						
BRPF1	ILMN_2800859	0.10318	0.456572	0.0187149	0.159891	0.0003744	0.0005215	8.94028	8.991239474	8.957891176	8.866990909						
CORO1B	ILMN_2788546	0.6102325	0.911713	0.014794	0.4833145	0.0055325	0.0155444	11.35823333	11.37271842	11.35536912	11.28498636						
LOC235971	ILMN_1247372	0.5222218	0.3455454	0.0144253	0.7525038	0.0262938	0.0444392	5.526783333	5.511610526	5.505255882	5.453613636						
LOC383940	ILMN_2536510	0.7782556	0.9425511	0.0417094	0.6416792	0.0053564	0.0102398	5.806973333	5.816121053	5.804944118	5.733954545						
RNF207	ILMN_1237330	0.1524907	0.7485933	0.0368134	0.2040052	0.0005451	0.009244	5.854813333	5.893897368	5.863382353	5.781881818						
1700081L16RIK	ILMN_2426180	0.4254824	0.3879785	0.0201724	0.9762544	0.0368069	0.0475511	5.581866667	5.561147368	5.560519118	5.509463636						
OLFR750	ILMN_2773535	0.9980588	0.347413	0.0042447	0.3702135	0.0176438	0.030927	5.666133333	5.666073684	5.646426471	5.593809091						
LOC385626	ILMN_1244702	0.8619168	0.9055099	0.0212374	0.740134	0.0197902	0.0142778	6.048793333	6.053842105	6.045866176	5.977095455						
LOC384513	ILMN_1230132	0.9775506	0.7832103	0.0364382	0.7837895	0.0196173	0.0179293	5.711216667	5.710447368	5.704545588	5.639831818						
LOC385059	ILMN_2542073	0.8332255	0.6486756	0.0130752	0.8179112	0.020155	0.0150889	5.548423333	5.543284211	5.538563235	5.477318182						
4930571C24RIK	ILMN_1228034	0.8721725	0.4482687	0.0370055	0.5462199	0.0375868	0.0367313	5.43153	5.426878947	5.413977941	5.360531818						
PPP1R14D	ILMN_1253015	0.8287285	0.4494114	0.0208985	0.2516059	0.0029559	0.0360052	5.628493333	5.633902632	5.610638235	5.557659091						
GJA7	ILMN_1253346	0.8083451	0.7516472	0.0289331	0.9468602	0.0459395	0.0421959	5.87617	5.869497368	5.867842647	5.8054						
OLFR1085	ILMN_1248151	0.6199621	0.8646509	0.0498615	0.6971271	0.0319696	0.0362017	5.636943333	5.654255263	5.642222059	5.566422727						
NEUROD4	ILMN_2766939	0.9468943	0.9900661	0.0155689	0.9553691	0.0171478	0.0130846	5.671153333	5.669668421	5.670869118	5.60065						
LTBP1	ILMN_1224967	0.9042909	0.6064432	0.0498021	0.6815483	0.0444347	0.0151168	5.68037	5.683613158	5.694298529	5.610181818						
control_ILMN_137	ILMN_1378571	0.9954505	0.7386233	0.0475198	0.7209843	0.0451922	0.0218043	5.820813333	5.820989474	5.812435294	5.750686364						
PIK3R4	ILMN_2543088	0.7555027	0.7071606	0.0334829	0.4513792	0.0199806	0.0449248	5.89115	5.900139474	5.881458824	5.821327273						
2210003I03RIK	ILMN_2710359	0.7059347	0.8516575	0.0226146	0.8690002	0.033072	0.0328199	5.69808	5.689707895	5.693454412	5.628409091						
2900003A17RIK	ILMN_2449674	0.964805	0.6037174	0.048409	0.6149156	0.0353241	0.0051105	6.01923	6.020481579	6.032035294	5.949854545						
EZH2	ILMN_2606429	0.8838703	0.652619	0.0490933	0.7713393	0.0337646	0.0059032	5.613896667	5.618357895	5.625351471	5.544813636						





PUM2	ILMN_2607160	1.834E-07	1.03E-10	0.3654261	0.5669367	7.737E-05	1.208E-06	8.49848	8.733373684	8.716505882	8.539704545								
SCL0002368.1_75	ILMN_1214650	0.0061628	0.0005403	0.8018885	0.6002032	4.876E-05	2.217E-05	8.83479	9.028768421	9.052716176	8.814618182								
COX7A1	ILMN_1240857	0.0003356	4.324E-08	0.3145874	0.0611814	0.0056518	1.055E-05	6.94444	7.100284211	7.161101471	6.989281818								
NPC2	ILMN_2744380	2.733E-06	6.581E-08	0.0829615	0.660283	0.0065729	0.0018198	9.368056667	9.561731579	9.575010294	9.4518								
SAMHD1	ILMN_1221736	1.42E-06	6.451E-07	0.1235508	0.3860393	0.001021	0.001305	11.84208667	12.07217895	12.04837794	11.93060909								
CLCN3	ILMN_1221919	1.302E-06	1.969E-06	0.1671821	0.9353394	0.000792	0.0029833	8.224926667	8.427963158	8.430619118	8.2973								
PTPN1	ILMN_1222917	3.577E-07	1.066E-05	0.2605158	0.0980524	0.0001364	0.0036276	9.086276667	9.362913158	9.291763235	9.143836364								
CBFB	ILMN_2671644	4.874E-05	9.419E-07	0.0925495	0.5793726	0.0099041	0.0023062	6.44466	6.629710526	6.648410294	6.525068182								
5830457010RIK	ILMN_1249269	0.0051915	0.0001913	0.3258661	0.6242513	0.0391047	0.0065255	6.626373333	6.803589474	6.824932353	6.691472727								
HIST1H2AG	ILMN_2981801	0.0014204	4.276E-06	0.5091729	0.1896142	0.0106585	0.0002015	9.87061	10.02252105	10.067625	9.906631818								
LOC383706	ILMN_2535779	0.0002793	1.68E-06	0.1930403	0.2544232	0.0124523	0.0007026	8.164186667	8.320342105	8.360444118	8.219022727								
TPM4	ILMN_1223539	6.066E-06	2.605E-05	0.0918537	0.135282	0.0023364	0.0357186	7.28479	7.536536842	7.481042647	7.387468182								
CYB5	ILMN_2775098	1.34E-08	6.241E-13	0.1162492	0.1205256	0.0001373	3.917E-07	11.01746667	11.17962895	11.21147353	11.06824091								
TOP2A	ILMN_1255436	7.891E-10	1.572E-08	0.0936923	0.2373449	3.871E-05	0.0009104	6.89295	7.115813158	7.084679412	6.964609091								
DCUN1D5	ILMN_1238285	4.199E-06	1.874E-06	0.3808523	0.3750355	0.0001445	0.0002891	9.349493333	9.563021053	9.534638235	9.392522727								
PPP1CB	ILMN_2647628	1.281E-05	1.161E-05	0.1588769	0.1818483	0.0045437	0.0174578	7.532633333	7.763778947	7.717295588	7.616245455								
PJA1	ILMN_2516312	4.754E-05	5.509E-05	0.1330899	0.4609369	0.0082031	0.0301125	6.55579	6.763297368	6.736463235	6.640472727								
CD247	ILMN_1256639	9.093E-07	6.486E-10	0.3133538	0.6696727	0.0016499	3.792E-05	7.05133	7.215657895	7.226701471	7.088009091								
RNF8	ILMN_1214110	0.0001013	2.758E-05	0.1329161	0.8730459	0.0160342	0.019529	6.676843333	6.857478947	6.852086765	6.755077273								
TRMT2A	ILMN_2682887	0.0034073	0.0002859	0.4813778	0.7996107	0.0204651	0.0056935	6.52321	6.684289474	6.694272059	6.565359091								
ARL1	ILMN_1219577	2.543E-06	5.309E-06	0.0628551	0.252179	0.001757	0.0180858	9.743456667	9.9474	9.913035294	9.828659091								
4930539E08RIK	ILMN_1238069	3.208E-08	9.794E-09	0.4673532	0.7903331	4.063E-05	2.167E-05	6.088663333	6.262042105	6.255341176	6.113204545								
CXCR6	ILMN_1221846	0.0001942	3.581E-05	0.3671141	0.8541377	0.0084059	0.0045185	6.669376667	6.827515789	6.833716176	6.712486364								
TMPO	ILMN_2471359	0.0001538	1.421E-06	0.1449368	0.8139868	0.0179909	0.0026101	8.46599	8.623305263	8.629933824	8.530504545								
IRF1	ILMN_2649068	0.0182535	0.008745	0.9479639	0.9043042	0.0048358	0.0058889	10.31889	10.48616842	10.48073382	10.32447727								
ACTN4	ILMN_1242390	0.0043415	0.0010632	0.9291751	0.9191823	0.0073692	0.0031055	6.448333333	6.604534211	6.608894118	6.453640909								
WDR45L	ILMN_1242852	0.0001397	1.014E-05	0.4396148	0.8937027	0.0072572	0.0019591	7.205136667	7.360331579	7.364545588	7.240713636								
ZFP281	ILMN_2487243	1.384E-06	4.322E-06	0.3188726	0.1898452	0.0001716	0.0018034	8.814456667	9.007431579	8.973852941	8.863868182								
D6WSU163E	ILMN_1224433	1.163E-07	2.49E-06	0.0702723	0.1647996	0.0020446	0.0255861	6.423556667	6.621960526	6.581777941	6.499395455								
NUDCD2	ILMN_2751228	0.0021746	0.0023554	0.4881067	0.5065572	0.0233342	0.0387743	6.944946667	7.134152632	7.101964706	6.987381818								
H2-T23	ILMN_1223179	0.0048276	0.0004926	0.385449	0.6647609	0.023522	0.0104316	10.62381	10.76490263	10.77933382	10.67458636								
LOC667005	ILMN_1217929	0.0009143	0.0005654	0.7436009	0.7376516	0.0008964	0.0006125	6.864946667	7.033302632	7.019588235	6.847404545								
E1F3B	ILMN_1233746	0.0007598	0.0001797	0.3382327	0.8693315	0.0125905	0.0099399	6.22973	6.388731579	6.382969118	6.276936364								
ELAC2	ILMN_1255921	0.0013267	0.0001292	0.6032269	0.9503948	0.008666	0.0023259	6.199506667	6.348668421	6.350842647	6.22455								
GLT7	ILMN_2753314	3.067E-06	4.55E-06	0.2576346	0.165215	8.345E-05	0.0006453	7.284363333	7.47345	7.434189706	7.326722727								
LOC100046320	ILMN_1243283	0.0006338	0.0007498	0.2955672	0.4137896	0.0153852	0.0360649	7.5542	7.737257895	7.703685294	7.607563636								
PARP14	ILMN_2825803	9.76E-07	3.908E-06	0.3720343	0.4890092	9.779E-05	0.0009547	10.98116	11.14566053	11.12864853	11.01771364								
PK3	ILMN_1236323	5.828E-05	1.915E-06	0.1683357	0.7021492	0.0291329	0.0074242	6.16902	6.306352632	6.316370588	6.225122727								
ZZZ3	ILMN_2432040	0.0014965	5.402E-06	0.378144	0.2315133	0.04634	0.0017282	6.03378	6.146386842	6.180801471	6.068531818								
LOC100041450	ILMN_1242660	0.0001568	1.45E-06	0.3931224	0.2140731	0.0049911	0.0002981	6.805983333	6.921857895	6.952891176	6.835990909								
WAPAL	ILMN_1242714	3.611E-05	3.018E-05	0.1528919	0.672663	0.0095934	0.0219708	6.27658	6.434936842	6.423070588	6.340836364								
8030402P03RIK	ILMN_2585137	0.0022227	7.373E-05	0.5863732	0.4333824	0.0221549	0.0025129	7.633246667	7.750686842	7.775892647	7.655845455								
A630098G22RIK	ILMN_2582171	0.0002997	0.0001568	0.1752775	0.4269924	0.0214848	0.0371472	6.98317	7.150939474	7.12385	7.044545455								
CSF1	ILMN_1254561	1.52E-07	5.768E-06	0.1116898	0.107214	0.0007031	0.0130531	6.24299	6.430692105	6.383498529	6.296836364								
FBXO33	ILMN_3162369	0.0001389	5.808E-07	0.3215115	0.5062504	0.0167325	0.000955	8.757316667	8.881023684	8.897601471	8.793440909								
SLCO3A1	ILMN_1235635	0.0009188	0.000204	0.7309941	0.9859045	0.0049286	0.0024582	6.011396667	6.150071053	6.150582353	6.029604545								
PDLM1	ILMN_1234072	0.0044138	3.993E-05	0.8543867	0.2320581	0.004056	7.263E-05	9.389206667	9.494944737	9.528047059	9.380759091								
2810008M24RIK	ILMN_2486600	0.0001974	8.115E-06	0.3528546	0.8370992	0.0037293	0.0008125	9.577263333	9.719655263	9.714169118	9.612672727								
1700025G04RIK	ILMN_2669982	7.521E-06	1.338E-05	0.1133944	0.3562127	0.0011588	0.0116783	7.13209	7.290965789	7.268439706	7.1935								
BCL11B	ILMN_2443624	0.0015187	0.0018521	0.07205	0.6258324	4.592E-06	2.444E-06	7.475326667	7.627081579	7.608722059	7.374281818								
D630022O22RIK	ILMN_1223311	2.867E-05	3.487E-05	0.3400248	0.8660441	0.0030361	0.0061045	6.197413333	6.334594737	6.330180882	6.235186364								
DMBT1	ILMN_2629239	2.525E-05	9.868E-06	0.1748778	0.8787925	0.0284553	0.0220519	5.65465	5.791228947	5.787077941	5.706268182								
MAD2L1BP	ILMN_2815222	0.0012164	1.37E-06	0.4454937	0.2891597	0.0074512	4.415E-05	9.83867	9.946563158	9.970585294	9.864663636								
IRF1	ILMN_2649067	0.0389177	0.0268373	0.9283349	0.6734148	0.0111936	0.0153172	10.39029333	10.53875526	10.52146618	10.39822727								
ETS1	ILMN_2770739	0.0014202	0.003545	0.7381796	0.3882843	0.0040934	0.0168068	7.680986667	7.843268421	7.811420588	7.700831818								
1810013L24RIK	ILMN_1260569	2.497E-08	2.603E-06	0.1212941	0.1254551	0.0001023	0.0081654	7.528863333	7.691768421	7.658367647	7.581836364								
TOR1A	ILMN_2631144	0.0007978	4.721E-05	0.2655705	0.5500238	0.0416582	0.0108028	7.383143333	7.495473684	7.511541176	7.425604545								
TRAT1	ILMN_1229005	0.0031667	0.0002999	0.6193732	0.7273838	0.0027538	0.000195	6.647076667	6.785913158	6.773917647	6.622813636								
PABPC1	ILMN_1259769	0.0022435	0.0104623	0.9375031	0.1698843	0.0019564	0.0137295	6.85638	7.040826316	6.981691176	6.861254545								
H2AFZ	ILMN_3074985	0.0004716	0.0001041	0.1178648	0.8869298	0.0499257	0.0416554	11.8057966											

ZDHC21	ILMN_2780619	0.0066739	0.0003336	0.7907514	0.4972362	0.0196609	0.0024035	8.437696667	8.5418	8.562170588	8.449168182						
ZNF24	ILMN_2518828	0.021391	0.000404	0.6021228	0.1239823	0.004883	0.000186	6.048016667	6.124986842	6.171314706	6.028518182						
ZWILCH	ILMN_1247268	0.0005599	0.0006099	0.305414	0.6301429	0.0312265	0.0462173	6.168553333	6.305978947	6.289795588	6.210068182						
AP1B1	ILMN_1244906	4.353E-05	2.938E-06	0.1251398	0.8087134	0.023292	0.0132339	10.82644667	10.95238421	10.94691618	10.87835						
2500002A22RIK	ILMN_1255902	9.823E-05	0.0012723	0.7473814	0.3107468	0.0008764	0.0105752	6.55427	6.705039474	6.673707353	6.569454545						
LOC380707	ILMN_1252450	0.0012425	0.0017786	0.9635044	0.7942431	0.0014543	0.0034494	9.90633	10.03282105	10.02428529	9.90435						
TNP2	ILMN_1224330	7.377E-05	0.0001617	0.330308	0.2329272	0.0044444	0.0192587	5.844083333	5.988826316	5.958627941	5.884845455						
GTF3C5	ILMN_1222243	0.0059505	0.0001115	0.6279649	0.404636	0.0404102	0.0029389	5.814863333	5.905071053	5.927685294	5.83125						
HIST1H2AK	ILMN_2847144	0.0019193	0.0051082	0.8806175	0.4091838	0.0026227	0.0069281	12.67005667	12.80842105	12.78147206	12.66135909						
RNGTT	ILMN_2750669	0.0128245	0.0023161	0.9298071	0.7426152	0.0166158	0.0052134	6.190413333	6.291310526	6.301817647	6.194254545						
VPS37B	ILMN_2681670	0.0074366	0.0017717	0.2717552	0.9367849	8.964E-05	1.742E-05	10.44526333	10.55398421	10.55639412	10.39754091						
F830048D03RIK	ILMN_2584985	0.0357552	0.0017199	0.6376489	0.3937319	0.0150219	0.0007896	6.689073333	6.771521053	6.799188235	6.670236364						
USF1	ILMN_2435505	0.0138797	0.009899	0.6581491	0.8509838	0.0412597	0.0471047	6.804973333	6.921971053	6.914854412	6.826927273						
HEATR3	ILMN_2590644	0.0080322	0.0003283	0.7917175	0.6138605	0.0146601	0.009865	5.744316667	5.838378947	5.853311765	5.734418182						
STIL	ILMN_2654075	0.0362002	0.0003313	0.8132537	0.134671	0.0407928	0.0008118	5.61879	5.685102632	5.726732353	5.610486364						
FEM1C	ILMN_2724409	0.0003443	6.939E-05	0.2502713	0.5010987	0.0111721	0.0113217	7.96895	8.091639474	8.076245588	8.010295455						
EG666756	ILMN_1214902	9.451E-05	0.0003847	0.4631473	0.2674416	0.0047458	0.0182487	10.67756	10.81662632	10.78483529	10.70416364						
PIBF1	ILMN_3115640	5.559E-05	0.0003718	0.2499334	0.1444557	0.0044791	0.0448955	6.849893333	6.993676316	6.956576471	6.895045455						
MX2	ILMN_1239219	0.0068612	0.0108891	0.8598659	0.6741755	0.0047833	0.0106972	7.97713	8.098521053	8.082936765	7.968677273						
CHIC2	ILMN_2548974	0.0004283	0.0001532	0.260031	0.5502436	0.0254452	0.0259537	8.378606667	8.498828947	8.484154412	8.42045						
E1F4E3	ILMN_1254878	6.557E-05	0.0025094	0.6206909	0.0708281	2.875E-06	0.0004164	8.776916667	8.931847368	8.881707353	8.754254545						
RPL37	ILMN_1236446	0.0002543	0.0003352	0.2816868	0.5589165	0.0102113	0.0240646	5.6613	5.780355263	5.765086765	5.696131818						
ELF1	ILMN_2659380	0.0148489	0.0011844	0.7138757	0.9039232	0.0069592	0.0003911	10.33958333	10.43980263	10.44328824	10.32341818						
BAT2D	ILMN_1221890	0.0015367	0.0001683	0.8307622	0.5760588	0.0106124	0.0026079	5.830226667	5.947547368	5.932069118	5.837931818						
4930404F20RIK	ILMN_1222969	0.0360605	0.0001718	0.7431989	0.1391011	0.0161718	7.394E-05	6.658073333	6.724336842	6.759348529	6.646877273						
LOC100044190	ILMN_1214731	2.746E-05	0.0018164	0.988103	0.0603332	0.0002041	0.006513	10.56954667	10.72565263	10.67076618	10.57017273						
EPST1	ILMN_2707865	0.0071416	0.0014801	0.5480541	0.6847784	0.0363948	0.0198692	8.180176667	8.271594737	8.281332353	8.206504545						
GP1	ILMN_2692845	3.304E-06	0.000112	0.1541174	0.1930921	0.0029369	0.0470385	11.68305667	11.81179474	11.7829	11.72728182						
4930422G04RIK	ILMN_1243091	8.401E-05	6.98E-05	0.1535267	0.7726701	0.0350024	0.0486999	5.690713333	5.795713158	5.789577941	5.735836364						
RBM14	ILMN_1245292	0.0018364	0.0019379	0.6891648	0.4886926	0.0280755	0.033881	6.059196667	6.178389474	6.157111765	6.07645						
4932413O14RIK	ILMN_2620757	0.0127067	0.0007843	0.9954839	0.4908601	0.0216546	0.0024511	5.634773333	5.714357895	5.731648529	5.634990909						
CD247	ILMN_2828172	0.0095874	0.0020148	0.4593334	0.7912747	0.0055389	0.0007173	6.427023333	6.531918421	6.523489706	6.396290909						
CCR4	ILMN_2753620	0.0017762	0.0006187	0.4406932	0.7358693	0.0181035	0.0161563	5.72549	5.829228947	5.821095588	5.752877273						
ZFP800	ILMN_2760387	0.0448081	0.0075997	0.9676854	0.6623265	0.0439818	0.0101354	6.687236667	6.769447368	6.782586765	6.685263636						
PABPC1	ILMN_1259482	0.0051572	0.0138815	0.6552533	0.3254165	0.0027309	0.006147	11.55015	11.68038684	11.64491176	11.52837273						
D230021E06RIK	ILMN_2569706	0.0001027	0.0107031	0.9348866	0.0663329	0.0001087	0.0197819	7.510763333	7.665360526	7.605245588	7.514104545						
SELP	ILMN_1236889	0.0140687	0.0058444	0.9379626	0.9259121	0.0105505	0.0086371	6.475836667	6.566694737	6.569254412	6.479186364						
TSPAN14	ILMN_1257666	0.0006106	0.0021634	0.9918866	0.600334	0.0012631	0.0057197	9.755656667	9.861615789	9.848317647	9.756059091						
V1RD18	ILMN_2996714	0.0009999	0.0004902	0.3718426	0.6093331	0.0390579	0.0399917	5.599066667	5.703860526	5.691057353	5.629445455						
CD226	ILMN_1239753	0.0261779	0.0085975	0.6790065	0.9259328	0.0193439	0.005597	6.903246667	6.998228947	6.995114706	6.884318182						
Mgeneric	ILMN_2600747	0.0031996	0.0012523	0.5857151	0.921512	0.0155614	0.0137085	6.73558	6.829271053	6.826967647	6.755563636						
2310016C16RIK	ILMN_2625854	3.934E-05	0.0016327	0.4362885	0.211481	0.0011679	0.0354731	5.732096667	5.854347368	5.823288235	5.757786364						
DCK	ILMN_1227664	0.0051761	0.0184859	0.3369228	0.393242	0.0004955	0.0017168	6.626113333	6.746452632	6.716342647	6.582109091						
PCDHGC5	ILMN_1216284	0.0121025	0.0028888	0.982265	0.8269325	0.0154234	0.005817	5.98469	6.068434211	6.074589706	5.985395455						
UBE2Z	ILMN_2774701	0.0042651	0.0035787	0.8977551	0.802039	0.022089	0.0197221	6.080933333	6.175294737	6.168729412	6.086440909						
PLXNC1	ILMN_2756855	0.0132133	0.0099808	0.7888317	0.8652899	0.043813	0.0427865	6.419863333	6.511336842	6.506238235	6.43105						
PSEN2	ILMN_1213684	0.0189562	0.0056686	0.8398917	0.9864612	0.0430124	0.0193465	5.908983333	5.994313158	5.994827941	5.915718182						
STAT3	ILMN_2698046	0.0009534	0.0115729	0.8152262	0.3037877	0.0034476	0.0393006	10.98784	11.10429737	11.07339706	10.99688182						
LOC628101	ILMN_1213707	0.004533	0.0111088	0.6456473	0.4943089	0.0047831	0.0087798	6.481883333	6.588642105	6.566361765	6.46445						
GREM2	ILMN_2610565	0.0034682	0.0112391	0.9597837	0.5615038	0.0114491	0.0312014	9.5919	6.052036842	6.035844118	5.954177273						
INPP4B	ILMN_2854354	0.0001211	0.0045817	0.8300829	0.214436	0.0007914	0.0208243	6.231216667	6.344565789	6.313639706	6.238772727						
NEO1	ILMN_2579266	0.0118953	0.0023659	0.7127533	0.7455244	0.003547	0.0009012	6.07765	6.151984211	6.158933824	6.063904545						
1700027N10RIK	ILMN_2775220	0.0087824	0.0009903	0.9594418	0.7293236	0.0077204	0.0015392	6.36718	6.440963158	6.448286765	6.3687						
ZFP277	ILMN_3123889	0.04469	0.0040836	0.399287	0.4562136	0.0060016	0.0004105	9.87083	9.932757895	9.951282353	9.841213636						
GNL3L	ILMN_2628122	0.0042936	0.0168829	0.8533817	0.3932727	0.0079319	0.0410368	7.609203333	7.714147368	7.689342647	7.616795455						
LOC100047009	ILMN_1246359	0.0016461	0.0045336	0.6158285	0.5219803	0.0005793	0.0021157	5.947723333	6.043807895	6.027170588	5.933						
PPP2R5C	ILMN_3121851	0.0121003	0.0259879	0.9530225	0.3251563	0.0068232	0.02552	9.96416	10.07191842	10.04338529	9.967009091						
LOC235279	ILMN_1231838	0.0022376	0.0005205	0.8114829	0.9149712	0.0151046	0.0059357	5.738703333	5.820126316	5.817807353	5.745463636						
PLEKHF2	ILMN_1237736	0.0035081	0.0109001	0.9737767	0.2710677	0.0014493	0.0102796	8.16861	8.274002632	8.246895588	8.169977273						
IL1F10	ILMN_2776687	0.0267869	0.0137905	0.9852541	0.8846595	0.0495733	0.0296692	5.98729	6.069436842	6.065126471	5.986545455						

3202002H23RIK	ILMN_1236031	0.012129	0.0092909	0.483435	0.6661905	0.0015716	0.0009907	6.4492	6.538394737	6.526935294	6.422209091								
LOC381093	ILMN_2530674	0.0037258	0.0023124	0.5246847	0.9676352	0.0023089	0.0013058	5.809203333	5.883715789	5.884635294	5.790786364								
KRT25	ILMN_1216096	0.0135579	0.0136597	0.8793285	0.6350166	0.0416839	0.0461866	5.72627	5.813852632	5.800451471	5.73225								
VMN2R81	ILMN_2628699	0.0233293	0.0022967	0.9367462	0.5493774	0.0345394	0.0052882	5.918906667	5.979321053	5.992120588	5.916390909								
FERD3L	ILMN_2724181	0.0328662	0.0320617	0.7059836	0.7516483	0.0172619	0.017198	5.81418	5.896818421	5.887038235	5.798140909								
TELO2	ILMN_2734797	0.0108678	0.0410319	0.5554944	0.4051911	0.0032397	0.0126048	5.800226667	5.898847368	5.872701471	5.773190909								
9430077D24RIK	ILMN_2524699	0.0031698	0.0424885	0.6312243	0.121102	0.0001607	0.0086891	7.0186	7.135728947	7.091011765	6.99615								
SLC30A8	ILMN_2686369	0.0253593	0.0118829	0.8033146	0.706046	0.0185698	0.0114584	5.580283333	5.643439474	5.652214706	5.570627272								
TRAPP2	ILMN_2438032	0.0128277	0.0167637	0.9903469	0.7905655	0.016867	0.0288908	5.7618	5.839247368	5.832552941	5.76225								
C920025C15RIK	ILMN_1242664	0.025157	0.041818	0.1248153	0.5543993	0.0009658	0.0008659	6.85869	6.949318421	6.929292647	6.796427273								
KLRA1	ILMN_1228875	0.0210432	0.0152911	0.9356955	0.6111696	0.0257936	0.0195506	5.763913333	5.846684211	5.833513235	5.760622727								
EG386506	ILMN_1225532	0.0443727	0.0195343	0.7357978	0.7211962	0.0336209	0.017162	5.675066667	5.7339	5.743238235	5.663213636								
LOC383306	ILMN_1235357	0.000646	0.0212078	0.9585536	0.0838609	0.0013532	0.0400109	5.85391	5.963960526	5.920935294	5.8559								
VMN2R89	ILMN_3151786	0.0333377	0.0437252	0.8447629	0.5683777	0.0340101	0.0386624	6.176576667	6.259428947	6.242405882	6.168013636								
LOC244219	ILMN_2525856	0.0425273	0.0175024	0.5375149	0.8250013	0.0148012	0.0057212	5.892636667	5.952907895	5.958372059	5.870513636								
2610017G09RIK	ILMN_1226459	0.0462486	0.0299381	0.9979677	0.9783931	0.0380499	0.0356214	5.774383333	5.840123684	5.839426471	5.774468182								
LOC386161	ILMN_1257961	0.0100486	0.0131679	0.8190764	0.8131695	0.0322735	0.0481536	5.588033333	5.657231579	5.651886765	5.595286364								
NCDN	ILMN_2664579	0.0342661	0.016931	0.9295063	0.9931828	0.0498308	0.0283885	5.806293333	5.869863158	5.869651471	5.803568182								
SLFN9	ILMN_2688948	0.0325834	0.0292092	0.8362985	0.6502896	0.0335642	0.0471183	5.536233333	5.60855	5.597972059	5.544027273								
LOC331243	ILMN_1253944	0.0010507	0.0069681	0.9739024	0.5800158	0.0053713	0.0203677	5.580336667	5.652857895	5.641372059	5.5795								
RAB33A	ILMN_3161828	0.0416086	0.0465199	0.2932489	0.9090289	0.0047756	0.0042555	6.031763333	6.095615789	6.092541176	5.987954545								
DTYMK	ILMN_2485787	0.0031272	0.0030314	0.7272849	0.5458658	0.013986	0.0194651	10.10785	10.17909737	10.16820147	10.11717727								
LOC100040244	ILMN_1260579	0.0088602	0.020958	0.5320051	0.3202183	0.0050246	0.0067198	7.19639	7.280847368	7.256533824	7.172322727								
OS9	ILMN_1246758	0.001885	0.0232342	0.953676	0.0875945	0.0014605	0.0229501	9.561276667	9.660952632	9.621010294	9.559304545								
D630011N09RIK	ILMN_2580554	0.0458818	0.0133375	0.7643319	0.8662868	0.0308974	0.0091603	5.565416667	5.621328947	5.624910294	5.555445455								
A930014D08RIK	ILMN_2519658	0.0486271	0.0149848	0.7406188	0.7386258	0.0170917	0.0065284	5.644493333	5.696589474	5.703229412	5.633840909								
MYNN	ILMN_1213772	0.005896	0.0112655	0.7696081	0.4883202	0.0167039	0.0408157	5.760286667	5.832828947	5.818648529	5.768645455								
SPNB2	ILMN_2681429	0.0326787	0.0349451	0.494234	0.9290664	0.0183645	0.0165316	5.695196667	5.750415789	5.752666176	5.672931818								
RNF19A	ILMN_2424138	0.0259662	0.0486041	0.5380445	0.2509639	0.0039359	0.0041805	5.905073333	5.992334211	5.962323529	5.879622727								
ARHGAP25	ILMN_3155245	0.0295298	0.0173066	0.6025104	0.3814893	0.0219848	0.0069411	10.10459	10.18453947	10.16155	10.08619091								
LOC383433	ILMN_2539526	0.0047365	0.0187802	0.9159006	0.6490296	0.0237397	0.0465046	5.61099	5.677026316	5.666641176	5.608054545								
MIER2	ILMN_2671319	0.0361367	0.023984	0.4798676	0.8055656	0.0058249	0.0029736	5.829166667	5.889905263	5.884575	5.805927273								
PDIA2	ILMN_1215125	0.0186685	0.0423804	0.7095586	0.4244174	0.0202628	0.0335745	5.79263	5.866986842	5.846214706	5.779913636								
LOC384990	ILMN_1218114	0.011363	0.0354083	0.8320832	0.4519395	0.003319	0.02169	5.856243333	5.924778947	5.908864706	5.849868182								
LOC100043391	ILMN_2740432	0.0095943	0.0466303	0.4380002	0.3030988	0.0011218	0.0060576	14.24296667	14.31736842	14.29466324	14.21495								
LOC100040854	ILMN_1217820	0.0326164	0.0323291	0.2727063	0.8371501	0.0029163	0.0050089	5.568043333	5.614126316	5.618561765	5.542736364								
PIGN	ILMN_2547482	0.0364563	0.0260185	0.5514131	0.6893077	0.0133012	0.0065321	5.77965	5.838668421	5.830154412	5.7613								
BAZ1B	ILMN_1246235	0.0140452	0.0213284	0.8925962	0.4231022	0.0251839	0.0323462	5.625716667	5.692768421	5.676020588	5.621545455								
TLL4	ILMN_1251995	0.0092136	0.0435202	0.7539064	0.304508	0.0088891	0.0333676	5.922753333	5.996405263	5.973054412	5.912381818								
DHX32	ILMN_2643150	0.008995	0.0495151	0.908182	0.1918829	0.0093641	0.0494344	8.92933	9.010481579	8.979463235	8.9256								
D4ERTD22E	ILMN_3129206	0.0019254	0.0170709	0.9452562	0.2197383	0.0067388	0.0350192	11.32444333	11.39864211	11.37389118	11.32272727								
LOC100048816	ILMN_1253242	0.0063968	0.045496	0.7887721	0.1342978	0.0118965	0.047928	5.880436667	5.965505263	5.928376471	5.871918182								
GPC3	ILMN_1223663	0.0124212	0.0402583	0.8858477	0.4679769	0.0112841	0.0427004	5.648313333	5.711607895	5.695651471	5.644954545								
LOC384585	ILMN_2413863	0.0045598	0.0345773	0.8653368	0.2046214	0.0064519	0.0377219	5.716866667	5.787997368	5.764117647	5.711304545								
OLFR701	ILMN_2652694	0.0185923	0.0489834	0.7172779	0.2030837	0.0160646	0.0278697	5.69437	5.76715	5.738292647	5.683054545								
FANCA	ILMN_1220189	0.0186167	0.0465428	0.8057021	0.3372639	0.0143651	0.0332572	5.56208	5.625584211	5.605772059	5.55515								

**DOWN IN GA AND REF ONLY**

Gene	ID	Medium vs. Reference Standard pval	Medium vs. GA pval	Medium vs generic pval	Reference Standard vs GA pval	Reference Standard vs generic pval	GA vs. generic pval	AVG Medium	AVG Reference Standard	AVG GA	AVG generic									
LOC386360	ILMN_2538531	0.0018127	1.306E-06	0.2417974	0.0610866	0.0476618	0.000511	9.76067	9.543934211	9.445438235	9.669977273									
CLEC4E	ILMN_1216972	2.388E-08	1.799E-08	0.2913318	0.0720895	0.0001058	0.0003322	7.003983333	6.697260526	6.759897059	6.9338									
LOC385923	ILMN_1230140	0.0023267	9.85E-06	0.8804496	0.3573459	0.0011591	5.702E-06	7.89017	7.690592105	7.650747059	7.901590909									Pattern Represented by Data:
CSF3R	ILMN_2806180	2.719E-06	2.468E-08	0.19436	0.7656032	0.0026131	0.0003455	6.042593333	5.823492105	5.813885294	5.969613636									
CD33	ILMN_2675223	2.257E-09	2.981E-09	0.333232	0.1662516	1.498E-05	4.529E-05	6.606853333	6.339052632	6.381583824	6.556072727	x								x
CD63	ILMN_3128907	9.578E-05	4.55E-06	0.4543748	0.9659952	0.0029774	0.0006786	7.70484	7.482515789	7.484204412	7.655954545		x		x					

CXCR4	ILMN_2630459	4.166E-07	2.333E-05	0.4582274	0.1836911	0.0003531	0.0051366	9.36576	9.097465789	9.153819118	9.316654545		Medium	Reference	GA	generic
AA536749	ILMN_1219077	3.09E-09	1.346E-08	0.0549268	0.8219967	0.0002312	0.0010926	8.959366667	8.7437	8.750286765	8.878977273					
LOC386268	ILMN_1222988	0.0190164	8.09E-05	0.6845559	0.2041966	0.0323632	0.0001997	6.859343333	6.705134211	6.655375	6.828495455					
genericL5	ILMN_1250635	3.881E-05	9.224E-09	0.2094099	0.1806939	0.0422933	0.0008516	6.407056667	6.252378947	6.211517647	6.348690909					
GA57	ILMN_2776850	2.885E-06	1.144E-06	0.5756013	0.9274013	3.971E-05	7.879E-05	6.87571	6.687760526	6.685158824	6.846809091					
KLC4	ILMN_1251301	3.915E-08	6.955E-10	0.1139408	0.8462085	0.0019125	0.0005706	7.976776667	7.781668421	7.786357353	7.905563636					
LOC386288	ILMN_1257784	0.0001885	2.933E-05	0.1046022	0.9683232	0.0425433	0.0459418	7.19565	7.004444737	7.005695588	7.089990909					
TMEM388	ILMN_2795791	7.322E-07	5.939E-09	0.1176012	0.6402061	0.0038277	0.0004492	8.486633333	8.312155263	8.299532353	8.423818182					
GPR97	ILMN_2666492	1.03E-05	1.079E-06	0.2142425	0.6849131	0.0042059	0.0017393	6.329983333	6.156044737	6.1434	6.272113636					
1100001G20RIK	ILMN_2651743	7.743E-06	9.245E-06	0.2289623	0.5387134	0.0009023	0.003214	6.425286667	6.217157895	6.238989706	6.366827273					
APP	ILMN_2597532	1.738E-06	1.913E-07	0.0563277	0.7760063	0.0043673	0.0041235	7.13296	6.940878947	6.949335294	7.052945455					
4930572J05RIK	ILMN_3065373	0.004566	2.51E-05	0.4441944	0.5165798	0.0407129	0.0014263	10.59237333	10.43747105	10.41293676	10.54924091					
TGIF1	ILMN_1253854	0.0008531	0.0001751	0.5099102	0.8326892	0.0121542	0.006438	8.40255	8.232644737	8.224369118	8.362318182					
LOC243025	ILMN_1252253	2.074E-06	5.102E-08	0.0659736	0.738499	0.0069137	0.002064	6.799403333	6.631713158	6.622926471	6.726436364					
SEC16A	ILMN_1225772	0.0001219	2.523E-08	0.0500137	0.2232897	0.0485284	0.0008313	10.14415	10.00321316	9.968227941	10.07729545					
BC014795	ILMN_2769945	1.451E-06	1.478E-07	0.3549454	0.9218641	0.0006014	0.0002032	8.22279	8.047292105	8.050194118	8.188168182					
CFB	ILMN_1230853	6.194E-05	0.0001335	0.2759896	0.2823461	0.0011429	0.0118492	6.413743333	6.207484211	6.243664706	6.349068182					
TMEM63A	ILMN_2798340	0.0001154	4.004E-06	0.0785413	0.3188699	0.0288569	0.0052776	7.836176667	7.698636842	7.666680882	7.774609091					
DNMT3L	ILMN_1250149	0.000214	7.511E-08	0.4818082	0.1380166	0.0117734	8.102E-05	6.21078	6.081707895	6.041905882	6.181622727					
ACBD4	ILMN_3150296	0.000222	1.276E-06	0.1850789	0.3888446	0.0273003	0.0020199	9.321576667	9.179684211	9.154017647	9.266631818					
ORF19	ILMN_3158633	5.139E-07	1.061E-06	0.0627275	0.2847864	0.0024954	0.0154805	7.046476667	6.849634211	6.879329412	6.964309091					
CREG1	ILMN_1239638	8.391E-06	1.506E-07	0.3754579	0.901707	0.0011917	0.0001639	6.78207	6.618634211	6.615505882	6.743304545					
IRAK3	ILMN_1253972	0.0001809	8.622E-05	0.253004	0.7292535	0.0166538	0.013528	9.18481	9.031655263	9.019070588	9.132704545					
BC065397	ILMN_2869654	5.829E-06	2.907E-06	0.0546624	0.8079099	0.0116688	0.0182155	6.624853333	6.452586842	6.459883824	6.546759091					
ARHGAP22	ILMN_2672380	8.766E-06	5.386E-07	0.0546356	0.2706834	0.0222117	0.0325518	6.35587	6.161063158	6.192420588	6.264263636					
GAA	ILMN_1254199	1.191E-06	3.867E-07	0.1415128	0.7057601	0.0094359	0.0087814	8.179186667	8.011515789	8.021354412	8.115145455					
LOC386117	ILMN_1218079	0.0021792	2.843E-05	0.3134162	0.7582608	0.0352915	0.0033238	7.206693333	7.060794737	7.051636765	7.15335					
5031414D18RIK	ILMN_2615575	2.202E-05	3.713E-05	0.2478778	0.9464672	0.0097416	0.0141411	8.621983333	8.465123684	8.467298529	8.571345455					
IRF3	ILMN_1229320	8.067E-05	1.532E-05	0.4024593	0.3891754	0.0015421	0.0010372	7.902646667	7.720826316	7.748907353	7.866604545					
IGLC2_00595_IG	ILMN_2450155	8.145E-07	7.282E-07	0.9855599	0.9370753	5.83E-05	3.367E-05	13.84993333	13.69477895	13.69675147	13.85070455					
BRD2	ILMN_3154409	0.0002138	1.179E-06	0.0923399	0.6287476	0.0458714	0.0058528	11.40748667	11.26870789	11.25570735	11.342					
SRGAP2	ILMN_1222560	6.014E-09	4.043E-08	0.0553814	0.1020981	0.0005129	0.0063007	7.94865	7.758986842	7.797158824	7.879281818					
ZFP36L1	ILMN_2780424	6.224E-05	2.451E-07	0.6304486	0.3087586	0.0058726	0.0001596	13.96748	13.84238684	13.81608971	13.94897273					
MYO7A	ILMN_1251839	8.979E-06	6.809E-06	0.0603573	0.4475788	0.0125491	0.0294065	6.819533333	6.64505	6.668164706	6.745968182					
LOC382163	ILMN_1237356	2.994E-05	2.225E-05	0.069729	0.3075783	0.0097309	0.0386567	6.892846667	6.712444737	6.742497059	6.811872727					
LOC238836	ILMN_2527694	2.39E-06	1.106E-08	0.1321515	0.9052961	0.0021451	0.0001942	13.98839	13.84113421	13.83827941	13.94409091					
HRSP12	ILMN_2610706	0.000479	0.0002885	0.1980366	0.6597663	0.0250265	0.0430031	8.18713	8.021755263	8.037048529	8.120886364					
GPS2	ILMN_2730784	0.0004475	1.596E-06	0.4350748	0.4181621	0.0063659	0.0001654	9.44959	9.323986842	9.303297059	9.419718182					
DLG3	ILMN_2993836	0.0001248	9.253E-05	0.3256219	0.4930922	0.0013149	0.0041559	7.168773333	7.001178947	7.022592647	7.125568182					
2810402K13RIK	ILMN_2455390	6.719E-08	2.192E-05	0.0913756	0.1673436	0.0016301	0.039087	8.3151	8.126965789	8.169489706	8.250713636					
SHC1	ILMN_2957070	9.867E-06	9.733E-08	0.2366389	0.3299388	0.004558	0.0003176	11.17267667	11.05177105	11.02947353	11.13645					
GALNT10	ILMN_2750011	0.0001616	4.031E-07	0.104016	0.5181983	0.0287723	0.002004	8.239243333	8.110673684	8.096067647	8.178859091					
IVD	ILMN_2728379	1.878E-05	5.595E-07	0.0979153	0.535807	0.0116603	0.0061067	9.353073333	9.195634211	9.211955882	9.293895455					
RING1	ILMN_2932539	0.0166343	1.051E-05	0.3802927	0.0714105	0.0023204	7.68E-07	8.797403333	8.707202632	8.656370588	8.835413636					
LOC100048105	ILMN_2588050	0.0009383	7.735E-08	0.4573259	0.1055718	0.0231541	5.683E-05	13.31449667	13.21344474	13.17428971	13.29137273					
CLEC4B1	ILMN_2603898	0.0006499	8.9E-05	0.9443595	0.5312531	0.0009063	0.0001392	6.123163333	5.964173684	5.98355	6.126754545					
TYROBP	ILMN_2867147	4.99E-05	0.0008134	0.324192	0.0823907	0.0009292	0.0372652	7.546993333	7.352484211	7.408191176	7.491804545					
6230425C21RIK	ILMN_2550095	3.373E-05	0.0011633	0.7674495	0.2234885	0.000104	0.0019545	7.159243333	6.973836842	7.021026471	7.173704545					
2810422O20RIK	ILMN_2625188	0.006333	2.944E-05	0.8078838	0.4390216	0.0151682	0.0001763	7.155133333	7.041215789	7.017935294	7.145077273					
RFFL	ILMN_3048689	0.0021843	9.005E-05	0.946882	0.4492621	0.007551	0.0007013	7.346986667	7.233876316	7.211079412	7.344081818					
CEPT1	ILMN_2762334	0.0001535	3.503E-06	0.1512639	0.263014	0.0316096	0.0044622	10.36051667	10.25173158	10.22485441	10.31255909					
NEURL	ILMN_2625940	1.943E-05	2.977E-06	0.0798984	0.5182001	0.0333122	0.0413976	6.091016667	5.940726316	5.956220588	6.018363636					
ZFP317	ILMN_2481799	0.0004084	2.047E-05	0.174213	0.792748	0.0368688	0.0129862	7.35243	7.224565789	7.217720588	7.297					
SRGAP3	ILMN_2648098	0.0042644	4.08E-06	0.5674557	0.0712274	0.0457434	0.0004358	6.20861	6.119747368	6.074486765	6.187718182					
RARG	ILMN_3132660	0.0002313	0.0001074	0.0961102	0.4564491	0.0249151	0.0481685	6.253086667	6.097884211	6.120816176	6.186990909					
PI4KB	ILMN_2689259	0.0001833	0.0002821	0.9041754	0.561224	0.0010439	0.0018446	9.675126667	9.524628947	9.544104412	9.670277273					
GALGT1	ILMN_1241182	0.00356	0.0002267	0.9638047	0.6243123	0.0045697	0.0005737	7.578576667	7.461855263	7.448160294	7.576309091					
PIK3R6	ILMN_3160107	0.0007543	0.0009593	0.9801863	0.7352984	0.0019019	0.003175	6.473133333	6.331334211	6.342902941	6.471927273					
MREG	ILMN_2976159	0.0115112	0.0012188	0.9705235	0.5417462	0.0076726	0.0014909	9.009966667	8.899078947	8.880347059	9.012027273					
1200002N14RIK	ILMN_1219820	0.0001629	0.0008928	0.3547823	0.7228022	6.796E-06	7.945E-05	7.02541	6.885213158	6.896238235	7.071472727					

2610028H07RIK	ILMN_1256792	6.346E-06	0.0004463	0.5340537	0.1787544	8.318E-05	0.0082396	10.22659	10.05706053	10.09811029	10.20060909								
TGFB1	ILMN_2727663	9.323E-05	0.0050672	0.6968583	0.0791519	0.0001869	0.023865	6.317396667	6.125718421	6.189858824	6.294936364								
NOS3	ILMN_2788593	0.000145	3.643E-05	0.1428581	0.8181436	0.0230466	0.0166585	5.930473333	5.810139474	5.804051471	5.8815								
USP11	ILMN_2802244	0.0008445	0.0003972	0.5473493	0.5743512	0.004636	0.0065853	6.548856667	6.408394737	6.422813235	6.516695455								
FOS	ILMN_2750515	0.0141545	0.0005959	0.5054332	0.2872521	0.0012599	5.304E-05	6.993933333	6.903897368	6.874805882	7.035045455								
LOC636818	ILMN_2434512	0.0003839	1.14E-05	0.1989409	0.6183528	0.0377477	0.0083799	6.108246667	5.997428947	5.985791176	6.062581818								
SCL0004023.1_57	ILMN_1232512	0.0002673	3.147E-05	0.7143189	0.744648	0.0027804	0.0008174	6.11199	5.997631579	5.989891176	6.097618182								
P2RX4	ILMN_2620122	0.0008163	0.0008309	0.3786311	0.7185532	0.0119073	0.0036112	7.48024	7.348384211	7.358327941	7.436886364								
DGKQ	ILMN_2972541	0.0004892	0.0005204	0.2695177	0.5259959	0.021019	0.0477871	7.016946667	6.876660526	6.895120588	6.966136364								
SNX15	ILMN_2894450	0.0093703	4.642E-05	0.2424838	0.0859399	0.0001601	6.063E-07	9.416226667	9.335971053	9.294445588	9.462340909								
SLC11A1	ILMN_2692797	0.0039669	0.0019783	0.2622018	0.8324263	0.0002494	5.829E-05	6.549723333	6.422	6.429011765	6.614281818								
TLR13	ILMN_2735961	2.319E-06	5.548E-05	0.2313394	0.0527093	0.0014045	0.0272525	6.13844	5.968510526	6.018579412	6.089945455								
MKL1	ILMN_2630120	0.0001341	0.0001303	0.2256236	0.6549713	0.0148592	0.0273433	6.422093333	6.290807895	6.302858824	6.376204545								
EG633640	ILMN_2977390	0.0021632	1.049E-05	0.3706096	0.1302664	0.0233458	0.0008458	6.2549	6.167321053	6.135855882	6.224536364								
RASGRF1	ILMN_1233146	6.199E-05	1.771E-05	0.1825115	0.6972638	0.041397	0.038674	5.882463333	5.754576316	5.763907353	5.8296								
TRP53	ILMN_2466845	0.0016928	0.0028691	0.9923206	0.7914076	0.0107981	0.0131019	9.81586	9.688071053	9.697814706	9.816331818								
1300010F03RIK	ILMN_1249480	0.0020903	0.0002448	0.9590157	0.5945485	0.0017402	0.0005547	6.72106	6.618107895	6.603588235	6.719240909								
RNF123	ILMN_2975900	0.0019712	0.0067338	0.6879115	0.5482232	0.0095547	0.0405204	7.61357	7.475247368	7.4966	7.591468182								
LOC386085	ILMN_1258858	0.007037	0.0024479	0.9931001	0.6718008	0.0234216	0.0099114	6.32579	6.223992105	6.209532353	6.326190909								
TMM8A2	ILMN_2983631	0.0004798	7.984E-05	0.2601703	0.9288078	0.0408017	0.0257747	5.952686667	5.835228947	5.837423529	5.907509091								
CLEC4A1	ILMN_1230708	6.31E-05	0.0006805	0.0795917	0.1389685	6.292E-07	1.122E-06	6.377566667	6.218557895	6.262733824	6.464059091								
SGPL1	ILMN_2936380	0.0044252	0.0043183	0.2442032	0.8397745	1.199E-05	5.429E-05	7.595083333	7.473997368	7.480830882	7.646777273								
TMUB1	ILMN_2932660	3.677E-06	2.867E-06	0.558543	0.1829473	9.601E-05	0.0001669	8.66402	8.519415789	8.549851471	8.647472727								
LOC383099	ILMN_1230327	1.029E-05	3.432E-05	0.1935341	0.3577611	0.0026485	0.0131515	13.25080333	13.11434737	13.13688529	13.20990455								
HMOX1	ILMN_2788073	0.001442	0.0136072	0.5259227	0.119158	0.0001286	0.0015021	6.674133333	6.506121053	6.561204412	6.718672727								
ERCC4	ILMN_1259904	2.964E-05	7.189E-06	0.3072808	0.3937884	0.0020401	0.0019043	8.262506667	8.1301	8.150180882	8.232518182								
SOLH	ILMN_2508416	4.953E-05	0.0003794	0.3919807	0.1710492	0.0051436	0.0319132	8.064173333	7.913865789	7.952263235	8.027909091								
PREP	ILMN_2549494	8.777E-06	7.108E-06	0.0728319	0.9469909	0.0319696	0.0397581	8.029716667	7.916678947	7.918044118	7.973690909								
LOC100048105	ILMN_1220172	0.0052534	5.023E-06	0.6515084	0.1045044	0.0379376	0.0003052	13.58104	13.50723421	13.47030735	13.56905								
GSTM2	ILMN_1251449	1.074E-06	0.0004294	0.6287192	0.0626658	0.000349	0.0162208	6.0557	5.898139474	5.945163235	6.033840909								
EPB4_1L3	ILMN_1244272	0.0004236	0.0002688	0.976221	0.7535251	0.0023433	0.0015975	6.005856667	5.903615789	5.895541176	6.006977273								
USP22	ILMN_2990220	0.0004797	7.218E-05	0.6311193	0.7329412	0.000109	2.996E-05	9.1675	9.065165789	9.057348529	9.184159091								
1700073E17RIK	ILMN_2790902	0.0009735	0.0010071	0.3318609	0.7923655	0.0272899	0.044332	5.778756667	5.660986842	5.668639706	5.740490909								
1110014N23RIK	ILMN_2737979	0.0003219	6.972E-05	0.2435055	0.9731238	0.0164781	0.0102902	9.78732	9.676873684	9.677741176	9.754181818								
RCCD1	ILMN_2838629	0.0085449	0.0014522	0.9523493	0.722719	0.0029863	0.0011083	8.2828	8.183665789	8.173695588	8.285281818								
ANKRD13A	ILMN_2613696	0.0048483	0.0016996	0.6333023	0.6372045	0.0118232	0.0117616	10.35183	10.25657632	10.24345	10.33284091								
SP2	ILMN_2464693	0.0007692	0.0005217	0.6154789	0.8637588	0.0219028	0.0154119	6.97502	6.871657895	6.866919118	6.955763636								
CENTG3	ILMN_2754596	0.0008539	0.0066436	0.763363	0.2648393	0.0048462	0.0324186	6.891463333	6.743584211	6.784157353	6.877472727								
3110004L2ORIK	ILMN_3142391	0.0049306	0.0008978	0.8322505	0.8607587	0.0011876	0.000386	6.040683333	5.938431579	5.933769118	6.049186364								
6430526N21RIK	ILMN_2556989	3.656E-06	0.0030831	0.8062834	0.0539703	0.0001224	0.0205043	7.338353333	7.170902632	7.231635294	7.327745455								
2310067B10RIK	ILMN_1245489	0.0001095	0.0021206	0.7045481	0.149667	0.0018865	0.0207657	7.60857	7.454689474	7.501908824	7.593022727								
1810030N24RIK	ILMN_1246756	0.0003314	0.0001049	0.2577743	0.7731788	0.0265102	0.0253525	6.94621	6.833397368	6.840070588	6.905022727								
RBM15	ILMN_2945275	0.0002016	1.119E-05	0.7625653	0.6260856	0.0011444	0.0001507	8.00761	7.891310526	7.901594118	7.997504545								
WWP2	ILMN_1226970	0.0013163	1.969E-05	0.5181541	0.1754847	0.0010361	2.533E-05	8.939	8.862852632	8.833398529	8.9579								
2610024M03RIK	ILMN_1255611	0.0007512	1.988E-05	0.2769578	0.6245423	0.0372041	0.0073064	6.12332	6.027731579	6.018229412	6.085745455								
C430003P19RIK	ILMN_2864393	0.0250093	0.0001025	0.7362257	0.1297357	0.0383753	0.0003539	9.67627	9.606163158	9.571339706	9.665418182								
BC066107	ILMN_2903889	0.0013885	0.0011587	0.5229082	0.6611865	0.000228	0.000209	6.6825	6.565544737	6.577964706	6.707772727								
3110082D06RIK	ILMN_2512770	0.0008126	0.0002459	0.4191441	0.8789691	0.0183839	0.0115793	6.0938	5.993510526	5.989636765	6.068118182								
LYNX1	ILMN_1256369	0.0042057	0.0007327	0.4998935	0.746914	0.0252748	0.0117316	8.635493333	8.522728947	8.531370588	8.607563636								
PRKCZ	ILMN_1221045	0.0008677	0.0080558	0.8168499	0.1401794	0.0001141	0.0031619	7.069753333	6.920815789	6.966716176	7.081818182								
IGK-V33	ILMN_1248308	0.0190094	0.0430061	0.8357281	0.7053464	0.0069368	0.0316055	10.09401333	9.976852632	9.992255882	10.10707727								
SLC11A1	ILMN_2674884	0.0045173	0.0309152	0.1250275	0.1360546	1.786E-05	6.406E-05	6.997713333	6.838144737	6.896435294	7.107336364								
CBL	ILMN_2738699	0.000129	0.0034848	0.5346577	0.1576133	0.0004127	0.0292504	5.966836667	5.825323684	5.865586765	5.941622727								
B930049N04RIK	ILMN_2567282	0.0082852	0.0004187	0.7132546	0.6213679	0.0314128	0.00413	5.693346667	5.604668421	5.592219118	5.679722727								
CASP1	ILMN_1247592	0.0365454	0.0002782	0.98551	0.1513468	0.0348947	0.0004103	11.61187333	11.54446316	11.51241912	11.61258182								
MBD1	ILMN_2893081	0.0006904	0.0009885	0.9341784	0.4951872	0.0011696	0.0026387	9.107946667	8.991671053	9.009091176	9.104772727								
2510022D24RIK	ILMN_2431257	0.0005423	0.0005419	0.6621285	0.8555194	0.0096387	0.010535	8.239006667	8.136547368	8.141229412	8.224509091								
FRMPD1	ILMN_2625610	0.0078477	8.549E-05	0.6896953	0.175579	0.0487525	0.0022095	5.682146667	5.613552632	5.584472059	5.669695455								
USP54	ILMN_2418324	0.0095547	0.0004016	0.9885197	0.3747777	0.0098927	0.0008142	7.069403333	6.990452632	6.971775	7.068827273								
FA2H	ILMN_2746783	0.0047186	0.0006321	0.4577042	0.9828413	0.0													

EG434402	ILMN_2546510	0.0001282	5.523E-05	0.1356377	0.2699795	0.0095784	0.0185516	9.268486667	9.145802632	9.171463235	9.227836364								
SLC9A4	ILMN_2732246	0.0021241	0.0001248	0.3842808	0.8904557	0.0274504	0.0068125	5.812063333	5.718157895	5.715114706	5.784231818								
ATP6V1B2	ILMN_2680440	0.0331736	0.0026486	0.2271266	0.2349906	0.0020564	0.0001548	10.49800333	10.43401842	10.40123971	10.54807273								
2310079N02RIK	ILMN_2635801	0.001275	7.915E-05	0.6000429	0.9085553	0.0144292	0.0029858	9.192623333	9.095097368	9.097661765	9.17595								
ZFPL1	ILMN_1217262	0.0103109	0.0104877	0.4419646	0.8781598	0.0011273	0.0014541	7.48469	7.385313158	7.390122059	7.521240909								
NISCH	ILMN_1237959	0.0004887	0.0022285	0.9947962	0.1362464	0.0013958	0.0054091	7.18114	7.045213158	7.087505882	7.181422727								
FCMD	ILMN_2514924	0.0084295	0.0038963	0.9495455	0.6291816	0.0175612	0.0101721	6.566743333	6.486473684	6.473394118	6.569354545								
1810009N02RIK	ILMN_2764607	0.0134778	0.0012708	0.1392451	0.5690381	0.0002188	7.598E-06	8.202653333	8.123931579	8.109642647	8.261063636								
6720486H14RIK	ILMN_1232302	0.0136264	0.0004247	0.8667953	0.5443658	0.0422079	0.0033688	5.675496667	5.599039474	5.583961765	5.670122727								
AW011738	ILMN_1248890	0.0210894	0.0024042	0.7444499	0.2578455	0.0466497	0.0126033	6.340756667	6.277447368	6.2494	6.329786364								
COgeneric	ILMN_2596412	0.0028243	0.0022236	0.6376439	0.4780665	0.0154442	0.0199386	8.195383333	8.085518421	8.104542647	8.177086364								
PCBP2	ILMN_2599777	0.0007785	0.0001023	0.3157339	0.7419453	0.0163777	0.0094039	12.72348667	12.62733947	12.63373235	12.69256364								
C330019G07RIK	ILMN_1256807	0.018907	0.0045064	0.9564866	0.8735275	0.0177015	0.0058732	6.827063333	6.742765789	6.738351471	6.829163636								
SMARCE1	ILMN_2880246	0.0023537	0.0014714	0.5224221	0.4944281	0.0254248	0.032737	9.420046667	9.316405263	9.331558824	9.392968182								
ABCC4	ILMN_2621708	0.0033419	0.0023598	0.8663787	0.882039	0.0096273	0.0096422	7.844656667	7.752781579	7.756655882	7.838990909								
GTBPB1	ILMN_2510196	0.0094972	0.0163723	0.8623046	0.5356694	0.0083026	0.0160378	9.273093333	9.164928947	9.185194118	9.281127273								
SLC25A42	ILMN_2810937	0.0030623	0.0038466	0.8626579	0.509224	0.007698	0.0080427	6.299283333	6.193821053	6.212104412	6.306677273								
5830415F09RIK	ILMN_1223695	1.314E-05	0.0004369	0.2658477	0.1535108	0.0020511	0.0405941	7.08473	6.966402632	6.997625	7.052472727								
PEO1	ILMN_2913845	0.000207	0.0037761	0.6475825	0.2792846	0.0032424	0.0364357	7.222113333	7.107710526	7.1356	7.205309091								
CRAC1	ILMN_2764112	0.0314498	0.0050598	0.4815776	0.3443996	0.00865	0.0018008	6.011773333	5.950531579	5.925355882	6.037995455								
CLEC5A	ILMN_3045984	4.595E-05	0.0023644	0.9952611	0.065168	0.0001399	0.0058405	5.95908	5.828018421	5.873202941	5.958854545								
ZFP704	ILMN_1225146	0.0157979	0.0022986	0.436168	0.4060296	0.0051091	0.0008179	5.9147	5.849613158	5.828823529	5.941309091								
TNS4	ILMN_1236029	0.0447347	0.0035216	0.6156233	0.4066194	0.0335541	0.0029568	5.844593333	5.780189474	5.758717647	5.866986364								
2310040G07RIK	ILMN_1232245	0.0014676	0.003644	0.9801709	0.5338841	0.0018196	0.0064955	5.79773	5.696360526	5.712151471	5.798627273								
KRTAP5-4	ILMN_2817498	0.0118382	0.0033168	0.7848286	0.6047325	0.0364951	0.0175473	5.736486667	5.664107895	5.651308824	5.727004545								
D030051N19RIK	ILMN_2760593	0.0176724	0.0088324	0.7626964	0.9526906	0.0035265	0.0028821	8.371213333	8.285613158	8.287195588	8.383390909								
A430043M19RIK	ILMN_2553758	0.0153723	0.001537	0.8701781	0.7000002	0.0216004	0.0037935	6.192146667	6.116665789	6.108377941	6.186131818								
9030025P20RIK	ILMN_2716783	0.0255003	0.0010439	0.910137	0.5226017	0.0247396	0.0013441	8.676186667	8.607128947	8.592552941	8.680018182								
GAS7	ILMN_2924831	0.0002814	0.0155795	0.4890746	0.1450892	7.41E-05	0.0041312	6.734093333	6.607315789	6.6505	6.764486364								
TBC1D25	ILMN_2722583	0.0001741	0.0006019	0.7508305	0.1725744	0.0003484	0.0007655	8.04817	7.934818421	7.965151471	8.058922727								
LOC193563	ILMN_1234524	0.0203014	0.0021195	0.4937336	0.3753691	0.0098347	0.0011714	5.841313333	5.780481579	5.758816176	5.863127273								
PAPSS2	ILMN_2466809	0.0007114	0.0106323	0.5969308	0.1975621	0.0001305	0.0028935	6.744143333	6.628768421	6.661655882	6.768309091								
ELL	ILMN_2751304	0.0043874	0.0021851	0.5671152	0.9478309	0.034593	0.0297732	9.71715	9.633271053	9.634791176	9.697881818								
SHKBP1	ILMN_2734334	0.0053095	0.0435104	0.4581237	0.229169	0.0001639	0.0045941	8.369346667	8.246628947	8.287191176	8.407618182								
RNF10	ILMN_2789888	0.0027989	0.0004689	0.9566584	0.9104826	0.0098144	0.0026066	11.53589	11.45141053	11.45382206	11.53415455								
FBXL20	ILMN_2729097	0.0235441	0.009027	0.9843672	0.9957199	0.0378707	0.0190251	7.886646667	7.80505	7.804917647	7.885722727								
TEAD4	ILMN_3157399	0.0141637	0.0027862	0.9554286	0.7134498	0.0466475	0.0137869	6.07582	6.003681579	5.99445	6.073868182								
5031439G07RIK	ILMN_1252809	0.0362145	0.0054091	0.7584422	0.7313907	0.0207321	0.0032499	8.046333333	7.975907895	7.966855882	8.056904545								
LOC100046003	ILMN_2427178	0.0018293	0.0012967	0.7160404	0.9825846	0.0336408	0.0243578	8.814313333	8.735331579	8.734867647	8.801768182								
B130002B06RIK	ILMN_1231100	0.002085	0.0009077	0.6275775	0.9155026	0.0127637	0.0106019	5.813043333	5.732515789	5.7347	5.7991								
EPN3	ILMN_1239908	0.0081262	0.0018557	0.6086819	0.7130121	0.0408573	0.0200886	5.787266667	5.702681579	5.710923529	5.770054545								
ZC3H12A	ILMN_2856095	0.023892	0.0152977	0.1041123	0.9579116	0.0012163	0.0003304	8.291086667	8.213755263	8.215352941	8.354177273								
2900079J23RIK	ILMN_2458967	0.000691	0.005917	0.8841941	0.2598759	0.0034558	0.0218172	5.841546667	5.736136842	5.765825	5.837059091								
CLEC4B1	ILMN_2959372	0.004988	0.0056659	0.1168793	0.7320233	9.394E-05	5.148E-05	5.798906667	5.716681579	5.724957353	5.853954545								
1300010F03RIK	ILMN_2688415	0.0111316	0.0044511	0.6250101	0.903061	0.041781	0.0317985	6.837643333	6.766381579	6.763723529	6.82175								
KRT39	ILMN_2699061	0.0002457	0.0032069	0.6653659	0.1639792	0.0044085	0.0360122	5.62461	5.520444737	5.55114706	5.6101								
4930519F16RIK	ILMN_2812960	0.0150436	0.0119516	0.7117498	0.8622955	0.0128692	0.0100083	5.689996667	5.611807895	5.616554412	5.702931818								
RHBD1	ILMN_2680086	0.0019562	0.0265314	0.7428231	0.153613	0.0004957	0.0125101	7.70038	7.587589474	7.627182353	7.714345455								
GDPD1	ILMN_2683528	0.0252047	0.014226	0.9742184	0.976903	0.029161	0.0218301	6.465226667	6.393168421	6.392429412	6.466463636								
ACP2	ILMN_2513205	0.0258929	0.0480152	0.8783636	0.5194416	0.0090843	0.0298416	6.88359	6.791065789	6.810866176	6.8907								
SETD1A	ILMN_1247099	0.029141	0.0180293	0.2892856	0.8016873	0.0023861	0.0009068	9.028223333	8.94825	8.955577941	9.065645455								
OLFR516	ILMN_2975511	0.0058453	0.0065686	0.6318905	0.8480392	0.0046306	0.0050237	5.832843333	5.755394737	5.760235294	5.846913636								
REN1	ILMN_2620114	0.0085901	0.0035255	0.5194519	0.9189352	0.0459334	0.039878	5.670936667	5.596518421	5.598602941	5.650036364								
5330417C22RIK	ILMN_3160472	0.0039298	0.0166523	0.8183059	0.3293711	0.0123984	0.0286015	5.612053333	5.612434211	5.640252941	5.719795455								
AGAP1	ILMN_3086136	0.0013012	0.0142837	0.2177918	0.1437627	0.0002803	0.000833	6.059153333	5.948686842	5.989294118	6.109681818								
DUSP6	ILMN_2701321	0.0419611	0.0207727	0.6564169	0.7667014	0.0151341	0.0053288	5.8376	5.760176316	5.768070588	5.856759091								
CTSL	ILMN_2904703	0.0082365	0.0336987	0.688531	0.394718	0.0033249	0.0172177	5.81264	5.718744737	5.743730882	5.827822727								
SLCO6C1	ILMN_2672845	0.0036617	0.0034252	0.8298071	0.5075665	0.0093559	0.007347	5.686233333	5.602471053	5.617510294	5.693277273								
TBC1D2	ILMN_3140913	0.0091587	0.0270787	0.0776191	0.1161568	5.306E-05	8.344E-06	6.907116667	6.793013158	6.838802941	6.992163636								
OPHN1	ILMN_1218910	0.0070562	0.0167606	0.9612701															

B930048N13RIK	ILMN_1228496	0.0258409	0.0231931	0.9459577	0.6860792	0.0324665	0.0364817	5.961773333	5.883607895	5.894567647	5.95935								
MBL1	ILMN_1238266	0.0194917	0.0187551	0.6216545	0.9538341	0.0038567	0.0070378	5.619243333	5.55345	5.552047059	5.635831818								
A730017D01RIK	ILMN_2448591	0.0351444	0.0250831	0.2771874	0.9789299	0.002874	0.0021749	6.58584	6.519621053	6.518897059	6.621677273								
SNX33	ILMN_1212693	0.0012835	0.035465	0.7593182	0.0768198	0.0017864	0.0303962	7.0541	6.931763158	6.987372059	7.065340909								
E330023P07RIK	ILMN_1240762	0.0403921	0.0100513	0.9004208	0.6995832	0.0425864	0.0176601	5.836216667	5.778460526	5.770314706	5.832118182								
9330152L17	ILMN_2726288	0.0068496	0.0099609	0.8218654	0.6514086	0.003115	0.0070201	5.81598	5.740573684	5.750429412	5.823040909								
PCDH19	ILMN_2696829	0.0097893	0.0131131	0.972637	0.9702742	0.0157433	0.0250866	5.694973333	5.629565789	5.630432353	5.695972727								
CAGE1	ILMN_2861743	0.0002703	0.0145488	0.7809247	0.0671697	0.0006313	0.0159241	5.926	5.816742105	5.861688235	5.935345455								
TMEM56	ILMN_2966162	0.0462108	0.0184806	0.4105332	0.6403937	0.0091299	0.0038463	5.612496667	5.559673684	5.548541176	5.640304545								
ACTR3B	ILMN_2933346	0.0245032	0.0282414	0.8984635	0.8932447	0.0154677	0.0280153	6.533076667	6.4662	6.469547059	6.5374								
ADAM11	ILMN_2629383	0.0026248	0.0095577	0.9602058	0.3205222	0.0136472	0.0338978	5.691363333	5.605971053	5.628829412	5.689736364								
CD151	ILMN_2836710	0.0193575	0.0252142	0.9583206	0.5738569	0.027328	0.0420257	8.090336667	8.015257895	8.028898529	8.088440909								
A930014P08RIK	ILMN_1258114	0.0165319	0.0226352	0.7989225	0.9591495	0.0202646	0.0296379	5.6155	5.55547368	5.554239706	5.621622727								
SLC35E4	ILMN_1225229	0.0120001	0.0364782	0.2142271	0.5822929	0.0006084	0.0021022	5.867336667	5.791586842	5.806241176	5.91005								
PAR3B	ILMN_2860656	0.0221362	0.0242476	0.7871277	0.357316	0.0180473	0.0146645	5.96533	5.880542105	5.904663235	5.975636364								
OLFR586	ILMN_2600115	0.0262931	0.0300541	0.4454466	0.5125899	0.0112671	0.0074731	5.601076667	5.522747368	5.541236765	5.627940909								
D030072B18RIK	ILMN_2611773	0.0121881	0.0138297	0.7042	0.5520373	0.0048147	0.0055113	5.61957	5.547055263	5.559957353	5.631459091								
STAR3	ILMN_2769734	0.0325095	0.0437294	0.7159143	0.6153939	0.0263459	0.0293263	8.494313333	8.422068421	8.435257353	8.509754545								
SFXN3	ILMN_1216734	0.0084465	0.0369416	0.3332499	0.4315651	0.0004631	0.0027125	6.08399	6.006510526	6.025077941	6.121263636								
6430511F03	ILMN_2420209	0.0105929	0.0296337	0.595619	0.682983	0.0051195	0.014191	6.304863333	6.2371	6.246623529	6.322872727								
PROM	ILMN_1238150	0.0039862	0.0081546	0.4662896	0.4395203	0.0006049	0.0010628	5.928333333	5.855444737	5.870188235	5.950177273								
NTE	ILMN_2777668	0.0022045	0.0233767	0.8255128	0.1273946	0.0009399	0.014351	8.366106667	8.27475	8.3088	8.373113636								
OLFR150	ILMN_2541702	0.0205861	0.0086368	0.8151015	0.7718418	0.0358411	0.0222281	5.682813333	5.620110526	5.625554412	5.675772727								
2010001M09RIK	ILMN_2613601	0.0120013	0.0226729	0.063086	0.3826246	1.211E-05	6.331E-06	13.25162667	13.17815526	13.19607647	13.31843636								
KCNC4	ILMN_2771095	0.0157139	0.0423165	0.5244547	0.4022856	0.000772	0.0045142	5.88774	5.814560526	5.832483824	5.911813636								
GM498	ILMN_1247100	0.0436667	0.0088286	0.4972216	0.7028412	0.0293635	0.0052678	5.727336667	5.681271053	5.673501471	5.744981818								
LOC327767	ILMN_2533815	0.0075878	0.0370241	0.3781781	0.3051498	0.002516	0.0069701	6.031383333	5.952915789	5.978073529	6.061031818								
B930097H17RIK	ILMN_2573844	0.0026075	0.0250972	0.4526146	0.1224496	0.0007489	0.0049604	5.844733333	5.755813158	5.792060294	5.865090909								
BMP3	ILMN_1235433	0.0246822	0.0485117	0.5437379	0.9290625	0.0197826	0.0285056	5.675396667	5.620692105	5.622867647	5.694827273								
PLEKHB2	ILMN_2731769	0.001378	0.0287559	0.9350244	0.0991679	0.0013793	0.0451558	9.05776	8.97335	9.006016176	9.055263636								
A630038P11RIK	ILMN_1233452	0.0113427	0.0430203	0.6978785	0.5092482	0.004887	0.0239387	5.602433333	5.537278947	5.551530882	5.614654545								
6720480F11RIK	ILMN_1255586	0.0342299	0.0372474	0.8391307	0.5635111	0.0405714	0.0386927	5.689046667	5.629671053	5.641458824	5.696195455								
CNTNAP3	ILMN_1219653	0.0337739	0.0448523	0.2011159	0.6359243	0.0030471	0.002119	5.841703333	5.786078947	5.796410294	5.878831818								