

Table S1. Gene List: Acute (94 Genes)

***Desensitized Transcriptional Responses (<1.1 Fold Induction 'Repeated + Acute' Cocaine)

<u>Illumina ID</u>	<u>Gene Symbol</u>	<u>Acute</u>	<u>Repeated + Acute</u>	<u>Repeated WD + Acute</u>
5310672	FXYD5***	1.399	0.887	0.896
6770053	SH3KBP1***	1.439	0.924	1.248
1190619	MAN2B2***	1.626	0.937	0.981
3890348	9030418K01RIK***	1.389	0.946	0.894
360435	NDE1***	1.508	1.061	1.105
2810221	CDK5RAP1***	1.351	1.063	1.043
780358	BRAP***	1.419	1.078	1.092
6380376	DUSP14***	1.302	1.089	1.048
5910193	1110059P08RIK***	1.41	1.095	1.24
3400026	ASPH	2.052	1.101	1.749
4180520	GNAS	1.467	1.107	1.102
360047	ZFP312	1.354	1.112	1.166
4880253	JMJD3	1.314	1.112	0.906
150431	ADPRT2	1.429	1.117	1.224
6280376	5830457O10RIK	1.306	1.131	1.15
5550519	TAOK1	1.304	1.132	0.969
7400671	HS6ST2	1.333	1.141	1.026
4390010	CCDC39	1.339	1.152	1.092
6660427	TIMP3	1.366	1.16	1.157
6620156	4933424A20RIK	1.373	1.161	1.332
3940296	UBQLN1	1.303	1.161	1.142
6900706	GRIA3	1.302	1.166	1.236
3180026	BAALC	1.315	1.172	1.211
4260709	GSN	1.488	1.176	0.991
6560682	CHD4	1.32	1.178	1.14
5820500	PDXDC1	1.364	1.18	1.314
6620079	EGR1	1.316	1.187	1.156
2710047	JMJD2A	1.418	1.188	1.074
1710296	MLX	1.322	1.193	1.259
5260358	CHD2	1.308	1.193	0.954
670601	6430704M03RIK	1.425	1.206	1.238
1260719	KIFAP3	1.302	1.206	1.273
2360431	ABCF1	1.322	1.208	1.221
650253	PPM2C	1.32	1.214	1.014
5340470	CCDC15	1.31	1.216	1.098
4290278	FOXC1	1.353	1.236	1.272
6020300	ZFP449	1.349	1.24	1.329

20154	MIDN	1.377	1.242	1.09
1050176	MAN1A2	1.448	1.246	1.216
2750551	GPR75	1.504	1.247	1.37
2600296	CUL4A	1.333	1.249	1.055
1990612	SLC6A15	1.434	1.251	1.28
5900747	ECHDC1	1.695	1.257	1.064
1580343	TM9SF2	1.399	1.272	1.186
5550619	NCOA2	1.365	1.289	1.484
4880008	ARL6IP2	1.328	1.292	1.342
3130719	CREM	1.452	1.293	1.283
1660678	TMEM129	1.317	1.297	1.327
6510189	MTF1	1.598	1.3	1.408
3840709	ENDOGL1	1.446	1.301	1.264
10176	DUSP4	1.4	1.305	1.194
7560367	ADCY1	1.302	1.324	1.269
840102	D030038A19RIK	1.399	1.336	1.492
6940255	DUSP6	1.393	1.339	0.999
4560681	EGR4	1.612	1.342	1.129
1820035	CASP6	1.332	1.344	1.182
2810196	SCL0002012.1_0	1.317	1.351	1.211
3940044	HGS	1.57	1.37	1.132
4180592	4930429A08RIK	1.402	1.377	1.269
3520630	TGOLN1	1.325	1.386	1.283
4480494	4930487N19RIK	1.337	1.388	1.335
4070400	RND3	1.501	1.39	1.249
1070450	RLBP1L1	1.505	1.396	1.412
3370719	IDS	1.445	1.396	1.183
7000241	RTN3	1.327	1.396	1.431
5570041	HOMER1	1.316	1.397	1.12
6560195	CLK4	1.356	1.407	1.36
1690019	MEST	1.538	1.422	1.257
2630068	CCDC77	1.378	1.429	1.443
7400044	FOSL2	1.644	1.441	1.289
3120014	JUNB	1.596	1.441	1.233
5270195	P4HA1	1.317	1.457	1.316
1410368	HIST1H4D	1.621	1.471	1.506
1430315	5830435K17RIK	2.055	1.472	1.462
2570543	MAGI3	1.607	1.477	1.228
2680093	NCOA6	1.748	1.479	1.399
1470386	ASAH3L	1.348	1.483	1.436
7550523	LMBR1	1.576	1.487	1.538
3400072	9830165L15RIK	1.364	1.511	1.469
1030398	2610207F23RIK	1.688	1.534	1.338

2940598	A830005C06RIK	1.576	1.538	1.366
5860736	B230339M05RIK	1.598	1.545	1.398
7160132	A630082K20RIK	1.37	1.57	1.446
2360343	C330006P03RIK	1.598	1.574	1.414
290553	D930015A08RIK	1.7	1.614	2.059
5050768	CUGBP1	1.379	1.675	1.537
1450095	ICAM1	1.452	1.723	2.079
2510564	GCA	1.918	1.728	2.047
1780239	4632408O18RIK	1.708	1.733	1.374
5860433	OSP94	1.376	1.78	1.582
2100470	IL1RAP	1.469	1.872	1.993
7330026	EGR2	2.977	2.121	1.389
5560639	CNTN4	2.113	2.237	2.443
1050598	MON1A	2.235	2.274	2.012

Table S2. Gene List: Repeated + Acute (277 Genes)

<u>Illumina ID</u>	<u>Gene Symbol</u>	<u>Acute</u>	<u>Repeated + Acute</u>	<u>Repeated WD + Acute</u>
2350017	HSPA1A	1.807	4.256	3.056
6620142	PCDHB17	1.383	2.434	1.635
510368	FOS	2.165	2.367	2.212
7330026	EGR2	2.701	2.338	1.389
4070066	LOC381539	1.36	1.985	1.527
3460669	SPAG9	1.588	1.958	1.55
7200373	FBXO45	0.92	1.899	1.166
3400523	NPAS4	1.667	1.886	1.583
1740048	USP9X	1.962	1.874	2.205
2450048	CYLN2	1.246	1.849	1.288
3450035	HSPA1B	1.985	1.815	1.654
780592	LOC227995	1.339	1.77	1.714
6280110	D230021E06RIK	1.135	1.765	1.779
2970674	E130307A14RIK	1.137	1.76	1.47
6580373	LOC280487	1.255	1.75	1.551
1780239	4632408O18RIK	1.701	1.741	1.374
2510564	GCA	1.909	1.736	2.047
4390747	A630064P09RIK	1.33	1.723	1.399
10044	GNAQ	1.343	1.714	1.174
5860433	OSP94	1.438	1.703	1.582
240707	1110062G22RIK	1.375	1.694	1.624
2100470	IL1RAP	1.634	1.683	1.993
4810112	RAB3C	0.989	1.68	1.26
3940435	MXRA8	1.679	1.664	1.246
2760519	LOC329575	0.933	1.656	1.541
6420520	FOSB	1.549	1.656	1.333
5550685	RAB14	1.151	1.652	1.704
60747	D230019G01RIK	1.204	1.647	1.532
1030398	2610207F23RIK	1.595	1.625	1.338
1990162	A830048E23RIK	1.178	1.619	1.329
1450095	ICAM1	1.545	1.618	2.079
5050768	CUGBP1	1.428	1.617	1.537
1980577	PRKWINK3	0.962	1.615	1.428
4230484	6430573H23RIK	1.283	1.615	1.543
5340132	ZZZ3	1.077	1.613	1.562
5960367	BC068281	1.152	1.609	1.33
6180471	6330532E14RIK	1.169	1.608	1.556
7160162	PSME4	1.296	1.605	1.396

3290379	BC053749	1.495	1.598	1.115
6200053	EIF2C3	1.255	1.595	1.373
290553	D930015A08RIK	1.722	1.593	2.059
770152	GRM7	1.235	1.589	1.606
5900523	TGS1	0.708	1.584	0.939
4610458	FTSJ2	1.331	1.584	1.283
1090241	MYOHD1	1.223	1.574	1.286
10008	TNKS	1.301	1.573	1.345
870561	IL1RAPL1	0.961	1.573	1.584
2810167	TGFBR1	0.786	1.568	1.215
430706	LOC672274	0.835	1.568	1.014
1690082	LOC670356	1.222	1.567	1.544
6770356	MEST	1.26	1.563	1.343
2680348	SLC35A3	1.388	1.563	1.507
6250608	BIRC6	1.381	1.561	1.413
3400072	9830165L15RIK	1.321	1.56	1.469
6370520	TNFRSF25	1.123	1.557	1.199
7650754	LOC639396	0.976	1.557	1.253
1780451	LOC100040085	1.126	1.556	1.259
5860736	B230339M05RIK	1.601	1.542	1.398
6420519	B130038B15RIK	1.344	1.54	1.492
1690019	MEST	1.423	1.538	1.257
1430035	RALGPS1	1.35	1.536	1.232
2650243	1700015F03RIK	1.254	1.534	1.149
2940598	A830005C06RIK	1.581	1.534	1.366
3460021	ABCF3	1.1	1.534	1.63
1450541	FRMPD1	1.482	1.529	1.234
3120630	PTBP2	1.4	1.528	1.298
1410368	HIST1H4D	1.561	1.527	1.506
610079	B930008G09RIK	1.118	1.525	1.595
2510324	TRPC1	1.323	1.523	1.426
3930093	LOC100043821	1.333	1.514	1.292
2510243	DDHD2	1.107	1.514	1.403
50347	9430034D17RIK	1.143	1.513	1.188
4200014	D130086K05RIK	1.02	1.513	1.589
10209	TMEM161B	1.122	1.508	1.236
3610072	BICD1	1.36	1.507	1.449
7160132	A630082K20RIK	1.43	1.504	1.446
2370575	ROCK2	1.384	1.501	1.468
4850102	A430103B12RIK	1.072	1.501	1.298
1470386	ASAH3L	1.334	1.499	1.436
2360343	C330006P03RIK	1.68	1.497	1.414
870255	SLC9A6	1.253	1.493	1.091

520129	5730433N10RIK	0.995	1.492	1.368
6980687	1110054O05RIK	1.001	1.485	1.111
7400044	FOSL2	1.604	1.477	1.289
5670424	PER2	1.179	1.476	1.195
2030093	RIPK5	1.112	1.475	1.186
1850554	ESD	0.955	1.474	0.83
520286	PHXR4	1.073	1.467	1.313
4200021	B930029N08RIK	1.041	1.462	1.432
5270195	P4HA1	1.313	1.462	1.316
4810307	ZFYVE16	1.087	1.461	1.444
6560195	CLK4	1.307	1.46	1.36
5900497	PER2	1.087	1.459	1.167
7560358	SEC22L3	1.029	1.459	1.252
6370500	DYNC2H1	1.18	1.458	1.267
610372	6430402H23RIK	1.094	1.457	1.404
4010349	6720477C19RIK	1.176	1.457	1.625
4560681	EGR4	1.486	1.456	1.129
5260176	NEO1	1.08	1.452	1.34
1300020	VPS26A	1.286	1.449	1.345
870520	2900006K08RIK	1.183	1.448	1.236
4540020	DNAJB1	1.187	1.447	1.335
4010239	ATP7A	1.119	1.446	1.552
7330360	ITGAV	1.177	1.443	1.41
7210088	NPAT	0.815	1.441	1.062
2680093	NCOA6	1.795	1.44	1.399
1430315	5830435K17RIK	2.101	1.44	1.462
7160315	B930097H17RIK	1.234	1.435	1.734
5670279	GLI2	1.131	1.435	1.217
3440692	SPRY4	1.042	1.433	1.372
3420437	9030612E09RIK	1.306	1.432	1.128
3840576	B430007K19RIK	1.08	1.43	1.303
670136	A930002F06RIK	1.259	1.429	1.542
7400121	RAB3C	1.033	1.429	1.089
3440600	LOC100047226	1.195	1.429	1.285
6650097	MIS12	0.884	1.427	1.098
1400047	4932415A06RIK	0.993	1.427	1.544
1710181	CELSR1	1.163	1.427	1.164
160402	OGN	1.244	1.425	1.266
3870739	5930407M05RIK	1.292	1.424	1.102
2260382	HEPH	1.058	1.416	1.115
460102	NUP50	1.064	1.415	1.296
1660093	BTAF1	1.147	1.414	1.273
2140398	ABCA8B	1.21	1.414	1.279

5570424	ZFP248	1.268	1.412	1.669
3520630	TGOLN1	1.303	1.41	1.283
1580561	C230091E20RIK	0.986	1.41	1.349
2360520	TBC1D1	1.281	1.41	1.354
6520484	EIF4G2	1.26	1.408	1.349
1820035	CASP6	1.272	1.407	1.182
6280605	ATM	0.999	1.407	1.096
3830136	CCNG1	1.108	1.407	1.288
2340070	4732423E21RIK	1.156	1.406	1.374
3310446	C630030A18RIK	1.088	1.406	1.485
3370719	IDS	1.435	1.406	1.183
7320041	PCDHGB6	1.042	1.405	1.25
7550523	LMBR1	1.673	1.401	1.538
4050292	B3GALNT2	1.183	1.4	1.455
7210255	ZFP654	1.126	1.399	1.307
2940500	RAI1	1.022	1.396	1.441
2100243	KIF1B	1.21	1.394	1.37
4480494	4930487N19RIK	1.331	1.394	1.335
610039	E130016E03RIK	1.231	1.39	1.228
1400035	LOC100045628	1.124	1.389	1.079
4200100	DUSP1	1.295	1.389	1.26
2480343	A430106G13RIK	1.264	1.388	1.387
6560477	SLK	1.219	1.387	1.255
2630068	CCDC77	1.425	1.382	1.443
4010064	C030045D06RIK	0.864	1.382	1.273
5670543	FBXO3	1.114	1.382	1.073
4070400	RND3	1.511	1.381	1.249
6510100	E330027P06RIK	1.171	1.381	1.363
460528	2010015J01RIK	1.123	1.381	1.025
6840500	A530010L13RIK	1.27	1.381	1.638
3400014	SLK	1.119	1.38	1.42
7000241	RTN3	1.344	1.379	1.431
7040343	OSBPL8	1.112	1.378	1.368
150543	TMEM82	0.991	1.377	1.038
1090719	CXXC5	1.105	1.377	1.058
2480224	B230337C21RIK	1.14	1.376	1.38
3420709	9330177P18RIK	1.368	1.376	1.174
4610424	TBC1D12	0.864	1.375	1.028
4730435	D030040K20RIK	1.231	1.375	1.432
6940093	6330444G18RIK	1.061	1.374	1.366
1710075	C130060B01RIK	1.116	1.374	1.221
1780242	D130057F13RIK	1.006	1.373	1.37
5220465	KCNMA1	1.126	1.372	1.395

840224	2610301N02RIK	1.198	1.371	1.161
4060017	CDC73	1.145	1.37	1.274
840451	ANKRD45	1.157	1.368	1.096
5820086	CACNB2	1.079	1.368	1.196
4850292	9530065M15RIK	0.714	1.368	1.367
150398	HECW2	1.285	1.366	1.364
1780324	CCR5	1.124	1.366	1.415
290504	SLC22A4	0.897	1.366	1.096
2970292	GABRG3	1.247	1.366	1.309
2230097	ELMO1	0.983	1.365	1.179
3400164	JAM2	1.032	1.365	1.306
5570041	HOMER1	1.349	1.363	1.12
3840709	ENDOGL1	1.382	1.362	1.264
3170451	ZSCAN20	1.062	1.361	1.343
870328	PTPN12	1.145	1.359	1.301
1450746	A930039N10RIK	1.165	1.357	1.257
4280121	D4ERTD681E	1.189	1.357	1.359
5310411	WDR45L	0.908	1.357	1.22
4280189	PAK2	1.219	1.357	1.271
3460386	RNF14	1.221	1.356	1.174
2190040	LRRTM2	1.257	1.355	1.24
1430594	FNIP1	1.065	1.355	1.298
1340270	CCNC	1.05	1.355	1.289
1240131	XPR1	1.122	1.354	1.148
5260010	PPP2R1B	1.114	1.352	1.22
1780707	9530053J19RIK	1.079	1.351	1.234
240349	HECW1	1.163	1.351	1.323
2230202	PPNR	1.003	1.351	1.534
4050612	FBXO11	1.228	1.35	1.42
4540102	BC030499	1.044	1.35	1.185
3390470	9630013P03RIK	0.936	1.35	1.187
4290474	A930007F16RIK	0.919	1.348	1.381
1170152	CLTC	1.097	1.347	1.361
3130441	MCCC1	1.05	1.346	1.078
4850066	B230310H07RIK	1.334	1.345	1.498
830463	KLHL9	1.364	1.345	1.317
4830201	LOC432730	1.1	1.345	1.28
2900041	SLC25A36	1.218	1.344	1.33
1850341	HSPG2	1.071	1.344	1.154
3120014	JUNB	1.711	1.344	1.233
5900474	SCN3B	1.188	1.344	1.157
7000112	ZWINT	1.05	1.343	1.204
3390608	4732471D19RIK	0.929	1.342	1.412

830504	4631422C13RIK	1.08	1.342	1.207
5080132	CUGBP1	1.214	1.341	1.268
3290270	HSP105	1.188	1.339	1.153
6100465	TRPS1	1.182	1.338	1.402
3840521	LOC100046232	1.216	1.337	1.335
7050692	A830006J06RIK	0.87	1.337	1.3
670487	E430026H10RIK	1.263	1.335	1.45
5900692	PTPN12	1.241	1.335	1.459
4890097	9830134K01RIK	1.231	1.335	1.181
1780132	IMPACT	1.067	1.334	1.24
4070747	4933407L23RIK	1.083	1.334	1.292
7320300	LOC381443	1.145	1.334	1.398
4540270	PKP4	1.046	1.333	1.016
3370333	GALC	1.134	1.332	1.281
6280608	DNM1L	1.072	1.332	1.195
1300739	4632413C10RIK	1.149	1.332	1.259
1090669	APRIN	1.223	1.332	1.38
5420050	0610007P08RIK	0.981	1.332	1.285
6480328	C130048M12RIK	1.057	1.332	1.398
1580343	TM9SF2	1.336	1.331	1.186
4760402	TBL1X	1.16	1.33	1.296
6290441	LOC280487	1.385	1.33	1.377
4760292	NETO2	1.183	1.329	1.326
7380162	NPHP1	1.134	1.329	1.052
2850259	SYNE1	1.261	1.328	1.39
1230021	4932410M19RIK	0.912	1.327	1.114
2070390	B230353O14RIK	1.066	1.327	1.492
1110538	PREI4	1.067	1.326	1.224
2750398	IPMK	1.246	1.326	1.349
5220112	A530024C08RIK	1.243	1.326	1.353
5360253	B830007D08RIK	1.158	1.325	1.201
7650470	0610010F05RIK	1.19	1.323	1.274
2490092	AP2B1	1.064	1.321	1.29
7100519	CLK4	1.165	1.32	1.214
2710494	F630038O13RIK	1.313	1.32	1.419
3840451	SOS2	0.988	1.319	1.156
650189	3632431M01RIK	1.089	1.318	1.288
1440286	HECTD2	1.102	1.318	1.218
3440717	RORB	1.076	1.318	1.48
50520	DGKB	1.279	1.315	1.29
6100646	PHF6	1.125	1.315	1.131
6290386	C130023A14RIK	1.088	1.314	1.198
4200017	CISH	1.189	1.313	1.101

7510315	TRIM33	1.192	1.313	1.327
7330324	MSL2L1	1.296	1.313	1.446
3440465	RABEP1	1.058	1.313	1.342
6330274	A130047F11RIK	1.226	1.312	1.32
4390142	A130084P08RIK	0.999	1.312	1.169
4070497	1700013G10RIK	1.079	1.312	1.245
6760736	EML5	1.191	1.311	1.405
520168	PHKA1	0.958	1.311	1.096
5490609	CCT7	1.211	1.309	1.121
3170072	TRIP12	0.995	1.307	1.144
2630010	MDGA2	0.955	1.306	1.157
4780446	CCDC117	1.226	1.306	1.2
4610669	ARHGAP18	0.906	1.306	1.316
3610093	PCDH9	1.082	1.306	1.23
6450037	LOC381940	1.159	1.306	1.244
3780278	A030001L21RIK	1.037	1.304	1.313
20025	PCGF6	1.179	1.303	1.305
4250373	SORBS1	1.051	1.303	1.098
1070632	SPAG9	1.064	1.303	1.364
5090551	4833438J18RIK	1.111	1.302	1.491
20066	SLC38A2	1.063	1.302	1.268
5870440	CSPG5	1.271	1.301	1.33
2940487	PPM2C	1.218	1.3	1.32
6510348	SGPL1	0.864	1.3	0.968

Table S3. Gene List: Repeated WD + Acute (217 Genes)

<u>Illumina ID</u>	<u>Gene Symbol</u>	<u>Acute</u>	<u>Repeated + Acute</u>	<u>Repeated WD + Acute</u>
2350017	HSPA1A	1.807	4.356	2.985
5560639	CNTN4	2.469	2.237	2.091
2510564	GCA	1.909	1.728	2.057
290553	D930015A08RIK	1.722	1.614	2.033
1450095	ICAM1	1.545	1.723	1.953
6280110	D230021E06RIK	1.135	1.624	1.934
6620142	PCDHB17	1.383	2.098	1.897
7160315	B930097H17RIK	1.234	1.329	1.873
3400026	ASPH	1.932	1.101	1.858
2100470	IL1RAP	1.634	1.872	1.791
4070066	LOC381539	1.36	1.718	1.764
1050598	MON1A	2.597	2.274	1.732
5570358	BCL2	1.588	1.48	1.715
4570450	D230010O12RIK	1.185	1.374	1.71
3460669	SPAG9	1.588	1.807	1.679
4900575	ZFP52	1.117	1.297	1.666
2680348	SLC35A3	1.388	1.423	1.654
610079	B930008G09RIK	1.118	1.48	1.642
2230202	PPNR	1.003	1.271	1.63
3460021	ABCF3	1.1	1.534	1.629
6330315	SCL0001602.1_506	1.073	1.262	1.622
2060270	ARL13B	1.049	1.094	1.622
1690082	LOC670356	1.222	1.498	1.615
870561	IL1RAPL1	0.961	1.549	1.608
5570424	ZFP248	1.268	1.483	1.588
3800133	NUMB	1.333	1.348	1.587
6580373	LOC280487	1.255	1.713	1.585
3610072	BICD1	1.36	1.382	1.58
60747	D230019G01RIK	1.204	1.603	1.574
1980577	PRKWINK3	0.962	1.47	1.569
4200014	D130086K05RIK	1.02	1.532	1.569
3440717	RORB	1.076	1.244	1.569
4180288	NFIB	1.078	1.302	1.568
1410368	HIST1H4D	1.561	1.471	1.564
580136	BVES	1.229	1.362	1.546
7000129	LOC627912	1.593	1.189	1.544
4390674	9430077D24RIK	1.077	1.242	1.531
4200021	B930029N08RIK	1.041	1.372	1.525
1070707	MAP3K10	1.294	1.229	1.524
3400072	9830165L15RIK	1.321	1.511	1.517

5860433	OSP94	1.438	1.78	1.513
6770356	MEST	1.26	1.388	1.512
670136	A930002F06RIK	1.259	1.463	1.507
2750189	NAMPT	1.429	1.73	1.505
6960136	C030038O19RIK	0.952	1.325	1.504
2370037	LOC100048616	1.165	1.247	1.504
840102	D030038A19RIK	1.392	1.336	1.5
3800427	EPB4.1L5	0.945	1.251	1.497
650475	TMF1	1.306	1.163	1.496
6180471	6330532E14RIK	1.169	1.674	1.495
110131	D430021F02RIK	1.057	1.278	1.493
5090551	4833438J18RIK	1.111	1.301	1.492
5340132	ZZZ3	1.077	1.69	1.491
7320300	LOC381443	1.145	1.251	1.49
6250608	BIRC6	1.381	1.482	1.488
5050768	CUGBP1	1.428	1.675	1.483
1660450	TMTC4	1.151	1.282	1.477
1170278	PCDH7	0.812	1.102	1.477
5900692	PTPN12	1.241	1.323	1.472
730544	ELAC2	1.059	1.221	1.466
7550603	SORBS2	1.147	1.278	1.464
7100259	MME	1.251	1.48	1.462
4060280	MBTPS2	1.255	1.103	1.461
6580279	B130017I01RIK	1.286	1.385	1.456
2940500	RAI1	1.022	1.382	1.456
4850626	RSBN1L	0.788	1.171	1.453
1470386	ASAH3L	1.334	1.483	1.452
3440692	SPRY4	1.042	1.355	1.452
3170450	IREB2	1.072	1.348	1.446
4290474	A930007F16RIK	0.919	1.292	1.441
2710494	F630038O13RIK	1.313	1.3	1.44
3390608	4732471D19RIK	0.929	1.316	1.44
670487	E430026H10RIK	1.263	1.347	1.437
460102	NUP50	1.064	1.277	1.436
1070450	RLBP1L1	1.481	1.396	1.435
4050292	B3GALNT2	1.183	1.42	1.434
1400047	4932415A06RIK	0.993	1.537	1.434
1430315	5830435K17RIK	2.101	1.472	1.431
3370575	RASGEF1B	1.289	1.188	1.43
520504	C730013O11RIK	0.979	1.113	1.429
2850719	HECW1	1.234	1.26	1.426
2630180	C130071E11RIK	0.896	1.216	1.426
6580239	SLMAP	1.123	1.405	1.424

620112	SALL3	1.061	1.257	1.421
7000241	RTN3	1.344	1.396	1.413
6560195	CLK4	1.307	1.407	1.411
4810307	ZFYVE16	1.087	1.499	1.408
70162	1810020C02RIK	1.262	1.472	1.404
6900369	HMG20A	0.944	0.864	1.404
650189	3632431M01RIK	1.089	1.211	1.402
380243	9530082I15RIK	1.146	1.285	1.4
3400014	SLK	1.119	1.4	1.4
4850066	B230310H07RIK	1.334	1.44	1.399
5670253	E2F3	1.17	1.243	1.399
3450053	PPP1R1C	0.946	1.237	1.397
5860736	B230339M05RIK	1.601	1.545	1.395
5890437	SNX13	1.152	1.338	1.392
840368	1700020I14RIK	0.996	1.26	1.392
6420435	PUS10	1.099	1.228	1.391
2370767	DOK5	1.057	1.145	1.39
2060487	SMEK2	1.13	1.229	1.39
160097	BMPER	1.178	1.207	1.39
3140241	TMED8	1.022	1.106	1.388
6510189	MTF1	1.623	1.3	1.386
7160132	A630082K20RIK	1.43	1.57	1.385
7160162	PSME4	1.296	1.618	1.384
2370575	ROCK2	1.384	1.593	1.383
4390722	D12ERTD551E	1.111	1.268	1.38
2600739	GPR85	0.831	1.112	1.375
6020300	ZFP449	1.305	1.24	1.374
6100465	TRPS1	1.182	1.368	1.371
4280338	WDHD1	1.021	1.213	1.371
2100243	KIF1B	1.21	1.394	1.371
1980470	ERO1LB	1.305	1.407	1.369
2030041	RANBP6	1.207	1.312	1.367
4200431	3222402P14RIK	0.95	1.183	1.366
4050612	FBXO11	1.228	1.404	1.366
6580703	RYR3	0.885	1.049	1.364
2480224	B230337C21RIK	1.14	1.393	1.364
1340270	CCNC	1.05	1.282	1.363
1070632	SPAG9	1.064	1.305	1.361
2070403	MTMR2	1.192	1.321	1.359
6510100	E330027P06RIK	1.171	1.385	1.359
6400634	TMEM47	1.007	1.232	1.359
7330324	MSL2L1	1.296	1.398	1.357
5270220	SH3BGRL2	1.069	1.43	1.356

5130431	AKAP11	1.099	1.05	1.356
3180097	HYAL1	1.161	1.226	1.353
1710735	LOC381219	1.198	1.322	1.353
6040753	MTUS1	1.064	1.15	1.353
7400747	CHD1	1.063	1.279	1.352
6980300	CRLF3	1.032	1.115	1.351
2480343	A430106G13RIK	1.264	1.426	1.35
1660564	NCKAP1	1.086	1.257	1.35
2850259	SYNE1	1.261	1.367	1.35
1470692	MLL3	1.028	1.102	1.349
6940093	6330444G18RIK	1.061	1.392	1.349
3060156	LOC100047794	1.018	1.197	1.348
2970292	GABRG3	1.247	1.327	1.347
7610386	CTTNBP2	1.06	1.262	1.346
4540020	DNAJB1	1.187	1.44	1.342
2100102	DGKI	1.119	1.081	1.341
240349	HECW1	1.163	1.333	1.341
4480494	4930487N19RIK	1.331	1.388	1.341
770181	9630009N10RIK	1.135	1.236	1.341
520286	PHXR4	1.073	1.437	1.34
4120669	LOC100046320	1.208	1.26	1.34
4060674	TACR3	1.061	1.16	1.34
5670026	4933432B09RIK	0.969	1.022	1.34
5550537	SLAIN2	1.038	1.295	1.34
6940706	CNTN5	1.126	1.112	1.34
5260176	NEO1	1.08	1.453	1.339
870079	E230027K01RIK	1.148	1.148	1.337
2750398	IPMK	1.246	1.339	1.336
6110546	OPA1	1.11	1.255	1.336
1170152	CLTC	1.097	1.373	1.335
1990446	NEURL	1.181	1.472	1.335
7330333	CYFIP2	1.086	1.055	1.335
3360059	SLC22A5	1.096	1.198	1.334
1780132	IMPACT	1.067	1.24	1.334
5820500	PDXDC1	1.345	1.18	1.332
4290722	ITGBL1	0.97	1.19	1.332
5960356	E430013K19RIK	1.277	1.332	1.331
6620195	TMEM135	1.025	1.1	1.33
4850102	A430103B12RIK	1.072	1.465	1.33
4290278	FOXC1	1.294	1.236	1.33
5820619	ZFP160	0.909	1.225	1.33
2470685	2610319H10RIK	1.083	1.305	1.329
1500382	SPAG9	1.038	1.17	1.328

3870730	A830054H12RIK	1.128	1.269	1.327
1110110	CDKL4	1.116	1.09	1.327
7510315	TRIM33	1.192	1.316	1.324
3370040	9330200H04RIK	1.327	1.277	1.323
2490092	AP2B1	1.064	1.288	1.323
7610403	LOC385058	1.118	1.344	1.323
3170451	ZSCAN20	1.062	1.382	1.322
3440465	RABEP1	1.058	1.332	1.322
7210255	ZFP654	1.126	1.383	1.322
7400044	FOSL2	1.604	1.441	1.321
5270195	P4HA1	1.313	1.457	1.32
1710280	LOC671523	1.007	1.191	1.32
4880008	ARL6IP2	1.35	1.292	1.32
2940487	PPM2C	1.218	1.303	1.318
2940136	BC018507	1.201	1.357	1.318
6520722	PBX1	0.935	1.164	1.316
870328	PTPN12	1.145	1.344	1.315
3840066	LIP1	1.127	1.281	1.315
3400328	PREI4	1.126	1.215	1.314
3850672	GPRK6	1.109	1.229	1.312
1660246	CPEB4	1	1.226	1.311
4060408	HMGCR	1.167	1.29	1.311
7100653	7420700D11RIK	1.289	1.371	1.311
2760059	TRIM33	1.088	1.204	1.31
4890674	FGFR2	1.21	1.022	1.31
4280121	D4ERTD681E	1.189	1.409	1.309
1940743	FN1	1.109	1.197	1.308
3850086	RIPK4	1.054	1.15	1.308
3130008	D730006F06RIK	0.967	1.185	1.307
4040382	LOC240672	1.324	1.352	1.307
1780707	9530053J19RIK	1.079	1.277	1.306
6520484	EIF4G2	1.26	1.455	1.305
1260719	KIFAP3	1.271	1.206	1.305
3520630	TGOLN1	1.303	1.386	1.304
3060682	SHPRH	1.154	1.248	1.304
2320390	B430201A12RIK	1.08	1.063	1.304
4230639	C130072A16RIK	1.255	1.283	1.304
7550685	HCFC2	1.157	1.315	1.304
2140671	ONECUT2	1.112	0.967	1.304
3130592	KBTBD8	1.067	1.141	1.303
2260358	LOC638935	1.199	1.24	1.303
2630451	9930115F03RIK	0.957	1.192	1.303
6760070	MIER1	0.988	1.059	1.303

4610669	ARHGAP18	0.906	1.32	1.302
6480554	BC023892	1.208	1.234	1.301
1440037	SLCO1A4	1.122	1.217	1.301
2490390	PLEKHA6	1.189	1.129	1.301
1850687	LOC100047837	1.266	1.111	1.301