Downregulated genes in KC epithelium			Upregulated genes in KC epithelium		
Gene Symbol	Linear fold change	P-value (2-way)	Gene Symbol	Linear fold change	P-value (2-way)
LOC389332	-2.57	0.03	MEGF6	2.67	<0.01
CORO2B	-2.06	0.02	FAM83E	2.23	0.03
PRUNE2	-2.04	0.03	TIMP3	2.23	0.02
COLEC12	-2.01	0.03	NEAT1	2.17	0.01
SLC6A4	-2.00	0.02	ADAM8	2.16	0.03
CENPA	-1.95	0.01	UNC93A	2.12	0.02
SYNE1	-1.95	0.01	EMB	2.10	<0.01
MCAM	-1.88	0.02	AQP3	2.09	0.04
LOC728554	-1.81	0.02	TMEM45B	2.07	<0.01
TRIM16L	-1.80	<0.01	NRARP	2.05	0.04
NBEA	-1.76	0.04	SLC16A3	2.02	0.02
BASP1	-1.75	0.01	CHST2	2.02	0.05
HIST2H3D	-1.74	0.04	GPNMB	1.88	0.01
ZNF124	-1.73	0.02	RAET1E	1.81	0.01
SIAH3	-1.70	0.02	CCDC88B	1.77	<0.01
BEND5	-1.70	0.02	DUOXA1	1.75	0.04
ITGB3BP	-1.70	0.01	TMEM184A	1.75	0.04

WNT10A	-1.69	0.02	AGPAT4	1.70	0.01
COL12A1	-1.69	0.02	CTSC	1.61	0.04
APBA1	-1.64	0.01	PLA2G4F	1.59	0.01
LOC105373944	-1.64	0.02	NABP1	1.58	0.05
TRNL1	-1.64	0.02	SLC2A12	1.55	0.01
LOC105370988	-1.63	0.02	ABCG1	1.54	0.01
CIT	-1.62	0.01	SH3BP2	1.53	0.01
LINC00235	-1.61	0.02	RAB27B	1.52	0.04
DLX3	-1.59	0.01	RHOV	1.52	0.04
TRNG	-1.59	0.02	ANKRD22	1.51	0.05
CD83	-1.59	0.03	ZNF276	1.51	0.02
ME1	-1.58	0.01	TNFSF10	1.51	0.02
RAI2	-1.57	0.03	MAPK11	1.48	0.02
CPVL	-1.57	0.02	ZNF662	1.47	0.02
MIR4523	-1.55	0.05	TCIRG1	1.46	0.01
CDC42EP3	-1.55	0.04	GGT6	1.45	0.04
CAP2	-1.55	0.01	GPC1	1.45	0.04
ND4L	-1.55	0.01	CLDN12	1.44	0.03

RCBTB1	-1.55	0.03	TBC1D8	1.44	0.03
TRAM2-AS1	-1.54	0.01	SIAE	1.44	0.04
CXCL14	-1.52	0.03	MALAT1	1.44	0.03
FAM171A1	-1.52	0.02	SCARNA17	1.42	0.04
SLC7A8	-1.51	0.03	TLR5	1.42	0.03
NREP	-1.50	0.05	LYNX1	1.41	0.03
RPL7AP45	-1.49	0.01	RALGAPA2	1.41	0.04
TRPM6	-1.47	0.03	GRN	1.40	0.03
SLC16A12	-1.46	0.03	MID2	1.39	0.04
NUP93	-1.45	<0.01	SLC12A7	1.38	<0.01
JAZF1	-1.45	0.04	RAB11FIP4	1.37	0.03
SPARC	-1.44	0.04	OGFRL1	1.37	0.02
OPN3	-1.43	0.01	MVP	1.37	0.04
THOC3	-1.43	0.01	ADCY7	1.37	0.01
LOC107986567	-1.42	0.01	CTSB	1.36	0.02

Column #	Sort	Gene Symbol (original)	Gene Symbol (consensus Apr-17)	Pair Grand P-Value	Sample Class Grand P-Value	Mean 1Way (Cont)	Mean 1Way (Exp)	Avg 1Way (Exp + Cont)	Exp_1Way vs. Cont (p-val)
16061	11722	LOC38933	LOC38933	0.361173	0.029776	2.54067	1.17834	1.859505	0.0176
39274	2562	CORO2B	CORO2B	0.080817	0.015969	1.10506	0.064917	0.584989	0.045181
25872	4015	PRUNE2	PRUNE2	0.125723	0.026224	2.46007	1.43105	1.94556	0.051035
44355	9159	COLEC12	COLEC12	0.281346	0.030261	3.63473	2.62794	3.131335	0.025054
42775	25771	SLC6A4	SLC6A4	0.800857	0.023992	0.859745	-0.14154	0.359104	0.002876
5473	7086	CENPA	CENPA	0.221176	0.012122	1.56893	0.604275	1.086603	0.009427
19642	1226	SYNE1	SYNE1	0.038774	0.007118	2.72574	1.76276	2.24425	0.038772
31900	23607	MCAM	MCAM	0.727743	0.01737	1.36142	0.45349	0.907455	0.002045
16795	4037	LOC72855	LOC72855	0.126322	0.020352	1.62862	0.776138	1.202379	0.037802
42518	2914	TRIM16L	TRIM16L	0.092064	0.001127	3.13974	2.2885	2.71412	0.000922
35085	4207	NBEA	NBEA	0.131672	0.035719	4.22374	3.41043	3.817085	0.068876
14597	17056	BASP1	BASP1	0.522778	0.010017	3.71453	2.90923	3.31188	0.0016
2874	13703	HIST2H3D	HIST2H3D	0.42363	0.044075	4.37805	3.58108	3.979565	0.025107
4992	3523	ZNF124	ZNF124	0.11063	0.01836	2.10064	1.30633	1.703485	0.038486
35280	18789	SIAH3	SIAH3	0.575738	0.023581	2.92891	2.16254	2.545725	0.005736
1401	4814	BEND5	BEND5	0.149627	0.021688	1.11154	0.345458	0.728499	0.034007
1653	5717	ITGB3BP	ITGB3BP	0.179088	0.005285	1.71523	0.95174	1.333485	0.003688
8495	14170	WNT10A	WNT10A	0.437622	0.021491	4.21471	3.45829	3.8365	0.007978
18665	2780	COL12A1	COL12A1	0.087604	0.024563	2.47783	1.72203	2.09993	0.066563
25781	8758	APBA1	APBA1	0.269704	0.007131	0.781337	0.066081	0.423709	0.003048
8805	2047	LOC10537	LOC10537	0.065001	0.018516	0.684261	-0.02815	0.328055	0.064848
53831	3079	TRNL1	TRNL1	0.097188	0.022373	2.92109	2.2095	2.565295	0.054784
39862	2792	LOC10537	LOC10537	0.087944	0.016285	1.36888	0.663109	1.015995	0.042441
34421	1625	CIT	CIT	0.051603	0.006038	0.864135	0.166463	0.515299	0.023673
40027	17362	LINC00235	LINC00235	0.531897	0.02032	0.826263	0.136774	0.481519	0.005183
43558	3059	DLX3	DLX3	0.096478	0.014234	2.22282	1.54951	1.886165	0.032954
53850	2032	TRNG	TRNG	0.064335	0.020224	3.25899	2.59126	2.925125	0.071495
17198	12241	CD83	CD83	0.379084	0.031525	0.473412	-0.19278	0.140315	0.017889
18750	1772	ME1	ME1	0.056467	0.010417	2.02509	1.36454	1.694815	0.040283
51298	14018	RAI2	RAI2	0.432798	0.025754	1.97564	1.32073	1.648185	0.010802
20400	7441	CPVL	CPVL	0.230934	0.023543	5.50096	4.84779	5.174375	0.022753
42754	11957	MIR4523	MIR4523	0.369245	0.045915	1.16865	0.533998	0.851324	0.031806
5653	14032	CDC42EP3	CDC42EP3	0.433068	0.036136	1.20211	0.567822	0.884966	0.018136
17242	1056	CAP2	CAP2	0.033269	0.011578	0.456966	-0.17518	0.140895	0.072938
53853	8783	ND4L	ND4L	0.270651	0.013011	6.17719	5.54553	5.86136	0.007781
35350	9084	RCBTB1	RCBTB1	0.278951	0.02879	5.62662	4.99781	5.312215	0.023644
18441	1569	TRAM2-AS	TRAM2-AS	0.049711	0.010313	0.549642	-0.07259	0.238528	0.045202
16048	2789	CXCL14	CXCL14	0.087918	0.025628	8.71716	8.11235	8.414755	0.069337
27407	1063	FAM171A1	FAM171A1	0.033382	0.016676	1.9503	1.35081	1.650555	0.100889
36485	4565	SLC7A8	SLC7A8	0.142455	0.026653	4.25882	3.66799	3.963405	0.045904
15711	10199	NREP	NREP	0.31267	0.045172	3.34057	2.76017	3.05037	0.037978

25536	196	RPL7AP45	RPL7AP45	0.005954	0.014843	0.554557	-0.01922	0.26767	0.252407
25847	2898	TRPM6	TRPM6	0.091552	0.027331	0.501054	-0.05325	0.223904	0.071525
28540	859	SLC16A12	SLC16A12	0.027107	0.026776	2.72819	2.18274	2.455465	0.167802
41253	949	NUP93	NUP93	0.030215	0.003135	5.36725	4.83096	5.099105	0.019879
20391	9203	JAZF1	JAZF1	0.282511	0.041461	0.886885	0.352413	0.619649	0.038089
16410	9735	SPARC	SPARC	0.298466	0.042878	6.56055	6.03223	6.29639	0.037387
4893	16359	OPN3	OPN3	0.503874	0.014851	1.83429	1.31885	1.57657	0.003387
16728	8415	THOC3	THOC3	0.260077	0.009016	6.22301	5.71197	5.96749	0.004699
17161	2052	LOC10798	LOC10798	0.065104	0.008263	0.912166	0.406489	0.659328	0.026547
16416	4004	LOC10065	LOC10065	0.125309	0.043438	0.762234	0.267174	0.514704	0.08836
4075	9428	SHISA4	SHISA4	0.28958	0.030406	2.4669	1.97488	2.22089	0.024322
25853	2728	C9orf40	C9orf40	0.086198	0.021601	0.503239	0.012971	0.258105	0.059004
35861	1195	IPO5	IPO5	0.037586	0.000869	4.50773	4.03243	4.27008	0.002572
46182	790	HOMER3	HOMER3	0.024976	0.003431	6.32158	5.8501	6.08584	0.027318
42195	9763	POLR2A	POLR2A	0.299058	0.045321	3.64907	3.17827	3.41367	0.04014
36216	2477	CCNB1IP1	CCNB1IP1	0.078183	0.018966	4.34778	3.8783	4.11304	0.056233
22966	12225	NEIL2	NEIL2	0.378602	0.034454	2.64049	2.17232	2.406405	0.020419
4405	4164	ESRRG	ESRRG	0.130101	0.025127	0.324462	-0.14309	0.090688	0.046971
4006	20739	C1orf53	C1orf53	0.636391	0.021237	1.08051	0.613487	0.846999	0.003938
2269	2137	HENMT1	HENMT1	0.067641	0.039084	1.74054	1.27414	1.50734	0.126957
35088	7173	MAB21L1	MAB21L1	0.223226	0.036842	4.90977	4.44452	4.677145	0.04249
754	1456	MAN1C1	MAN1C1	0.046051	0.022109	0.844627	0.382206	0.613417	0.101539
27384	137	CDNF	CDNF	0.003968	0.001547	1.11058	0.648286	0.879433	0.070721
41551	1078	PHLPP2	PHLPP2	0.034018	0.026017	1.27265	0.810731	1.041691	0.143101
32245	1016	WNK1	WNK1	0.032107	0.00873	4.24061	3.78251	4.01156	0.057336
38992	2188	GNB5	GNB5	0.068993	0.033393	2.92338	2.46581	2.694595	0.108872
2327	706	SLC6A17	SLC6A17	0.022541	0.009059	1.43121	0.974086	1.202648	0.080175
33041	652	SLC38A4	SLC38A4	0.020696	0.005478	1.69557	1.23857	1.46707	0.053943
34952	1606	WASF3	WASF3	0.051056	0.01778	2.1043	1.64878	1.87654	0.076623
20017	4388	LFNG	LFNG	0.137167	0.035632	4.37628	3.92694	4.15161	0.0662
53859	4128	ND6	ND6	0.128901	0.032184	3.71645	3.26796	3.492205	0.062664
24878	19413	DOCK8	DOCK8	0.595901	0.033258	1.64624	1.20041	1.423325	0.009536
17386	10092	HIST1H2BC	HIST1H2BC	0.308839	0.045899	7.32156	6.87878	7.10017	0.039349
50466	76	MN1	MN1	0.002171	0.000167	2.18977	1.74765	1.96871	0.013022
30099	4984	FJX1	FJX1	0.154776	0.036436	1.55576	1.12708	1.34142	0.060674
21362	3309	TP53TG1	TP53TG1	0.104536	0.04926	0.611695	0.196528	0.404112	0.115094
53190	8137	LAGE3	LAGE3	0.251747	0.028158	2.85965	2.44635	2.653	0.026064
8824	2348	COPS8	COPS8	0.073831	0.026073	5.23556	4.8273	5.03143	0.081816
5629	7666	LOC10028	LOC10028	0.237626	0.010458	2.98078	2.57346	2.77712	0.0068
30051	4212	QSER1	QSER1	0.131832	0.011794	2.11741	1.71584	1.916625	0.018117
26803	12378	ENDOG	ENDOG	0.382688	0.033298	2.04864	1.65152	1.85008	0.019135
41680	416	GCSH	GCSH	0.013527	0.008705	3.4554	3.05856	3.25698	0.113556
17901	830	APOM	APOM	0.026147	0.029986	0.336524	-0.05685	0.139835	0.185365
35065	12109	PDS5B	PDS5B	0.374983	0.031347	1.59294	1.20335	1.398145	0.018012
9592	4055	ZNF501	ZNF501	0.126913	0.037942	1.14169	0.753766	0.947728	0.075908
13379	7134	CCDC109B	MCUB	0.222428	0.045198	3.80479	3.42234	3.613565	0.05487
46510	7460	ZNF181	ZNF181	0.231351	0.043073	1.67454	1.29315	1.483845	0.049694

40363	3392	ATF7IP2	ATF7IP2	0.106828	0.028702	0.438303	0.059599	0.248951	0.06569
27676	68	LOC10537	LOC10537	0.001899	0.00165	0.314796	-0.06296	0.125918	0.127438
39148	1690	TLN2	TLN2	0.053948	0.007429	1.08928	0.711934	0.900607	0.028797
4358	14552	NENF	NENF	0.448471	0.049914	4.38502	4.01042	4.19772	0.02789
5128	7745	ADI1	ADI1	0.240147	0.036563	4.31795	3.94507	4.13151	0.038845
53195	10212	G6PD	G6PD	0.313022	0.028499	4.17733	3.80524	3.991285	0.020071
10703	3565	HEG1	HEG1	0.111795	0.022565	2.05223	1.68039	1.86631	0.048305
1120	3566	MACF1	MACF1	0.111797	0.03078	4.66257	4.29658	4.479575	0.067946
18457	7510	GSTA4	GSTA4	0.232745	0.018147	5.84775	5.48184	5.664795	0.015709
24502	7033	TBC1D31	TBC1D31	0.219244	0.047511	0.822495	0.456848	0.639672	0.059106
199	2027	DFFB	DFFB	0.064216	0.027101	0.494037	0.129268	0.311653	0.094875
23213	6719	DOCK5	DOCK5	0.209856	0.003909	2.42779	2.06696	2.247375	0.001753
10521	2937	BOC	BOC	0.092818	0.04943	3.76614	3.40691	3.586525	0.125683
35203	2197	DGKH	DGKH	0.069405	0.025805	1.40833	1.04946	1.228895	0.085181
20316	6736	MPP6	MPP6	0.210594	0.046226	3.28034	2.92893	3.104635	0.059505
28177	558	TSPAN15	TSPAN15	0.017989	0.03264	2.89162	2.55133	2.721475	0.236434
42113	1711	C1QBP	C1QBP	0.054649	0.024946	6.85069	6.51062	6.680655	0.099476
27491	2896	COMMD3	COMMD3	0.091526	0.037219	5.01127	4.67175	4.84151	0.097344
46	26723	MTATP6P1	MTATP6P1	0.834298	0.02655	4.15442	3.81709	3.985755	0.003093
37302	7617	ACOT2	ACOT2	0.236354	0.03528	2.35349	2.01717	2.18533	0.037771
19749	4900	ACAT2	ACAT2	0.152233	0.031323	4.09601	3.76308	3.929545	0.051844
20121	2292	RPA3	RPA3	0.072239	0.017537	4.28444	3.95383	4.119135	0.055701
41622	8325	TMEM231	TMEM231	0.257286	0.040479	0.926898	0.597831	0.762365	0.041009
51843	2077	HUWE1	HUWE1	0.065863	0.022783	3.37524	3.0467	3.21097	0.07881
42920	6210	AP2B1	AP2B1	0.1942	0.034798	3.52495	3.20025	3.3626	0.045894
6225	2826	ALMS1	ALMS1	0.089161	0.020543	1.52492	1.20106	1.36299	0.05417
47833	3333	SRXN1	SRXN1	0.105182	0.007074	4.3934	4.06969	4.231545	0.012175
8798	1048	AGAP1	AGAP1	0.032978	0.01293	1.44512	1.12505	1.285085	0.081342
38329	885	NDN	NDN	0.027904	0.00459	3.55762	3.2382	3.39791	0.033611
44274	21115	ARL16	ARL16	0.649466	0.041624	3.57096	3.25379	3.412375	0.011818
25102	3093	FOCAD	FOCAD	0.097515	0.024405	3.02212	2.70576	2.86394	0.060005
40844	4065	ZNF688	ZNF688	0.127197	0.026945	1.39944	1.08401	1.241725	0.052034
25369	791	TLN1	TLN1	0.02498	0.008008	3.77204	3.45863	3.615335	0.065771
23403	5254	PROSC	PLPBP	0.163087	0.029899	3.06393	2.75108	2.907505	0.045792
31114	3008	ANAPC15	ANAPC15	0.094722	0.03842	2.36388	2.05208	2.20798	0.097739
53215	1590	F8	F8	0.050472	0.041849	0.948989	0.637573	0.793281	0.162086
1212	2070	YBX1	YBX1	0.06551	0.046062	6.03059	5.71962	5.875105	0.149038
21559	1043	GS1-259H1	TMEM225	0.032884	0.037834	1.56972	1.25884	1.41428	0.19209
52087	509	NAP1L2	NAP1L2	0.01656	0.03833	1.32883	1.01824	1.173535	0.268904
53848	10504	ATP6	ATP6	0.322071	0.030066	6.45057	6.14022	6.295395	0.020859
1802	10783	TYW3	TYW3	0.330659	0.04085	3.51692	3.20659	3.361755	0.030996
21533	3545	TRRAP	TRRAP	0.111223	0.022734	1.93629	1.62649	1.78139	0.04896
41600	1225	RFWD3	RFWD3	0.038766	0.004507	2.92965	2.62072	2.775185	0.023078
45526	7167	MRPL54	MRPL54	0.223091	0.03168	5.07838	4.77074	4.92456	0.035098
6015	1102	EHBP1	EHBP1	0.035006	0.015854	2.24465	1.93832	2.091485	0.093163
42810	4440	NF1	NF1	0.138806	0.013786	2.69437	2.38815	2.54126	0.020874
40788	11543	KIF22	KIF22	0.355307	0.013452	3.43114	3.12559	3.278365	0.005331

26743	849	PTRH1	PTRH1	0.026867	0.02436	0.827376	0.523349	0.675363	0.157558
14783	1830	C5orf42	C5orf42	0.058471	0.025271	1.94191	1.63966	1.790785	0.095603
3095	819	CREB3L4	CREB3L4	0.025842	0.024907	1.49225	1.1947	1.343475	0.163854
10913	3007	CDV3	CDV3	0.094689	0.032242	6.15844	5.86225	6.010345	0.082239
15102	228	SGTB	SGTB	0.007116	0.042134	0.798273	0.502454	0.650364	0.380929
6164	4141	SNRPG	SNRPG	0.129339	0.047146	4.58453	4.28967	4.4371	0.093648
43803	3453	TANC2	TANC2	0.108745	0.030902	1.20992	0.916354	1.063137	0.069928
13257	4179	H2AFZ	H2AFZ	0.130787	0.049175	6.61432	6.32219	6.468255	0.096886
13153	2287	PKD2	PKD2	0.072182	0.015786	1.92786	1.63612	1.78199	0.049812
32675	1861	HIST4H4	HIST4H4	0.05943	0.025653	5.90214	5.61061	5.756375	0.095726
16690	2087	BOD1	BOD1	0.066161	0.007604	3.32196	3.03529	3.178625	0.023584
45613	4981	ALKBH7	ALKBH7	0.15467	0.016169	3.65513	3.36957	3.51235	0.022548
32565	5785	YBX3	YBX3	0.181058	0.029983	6.60358	6.31883	6.461205	0.041187
22969	3127	FDFT1	FDFT1	0.098295	0.018615	3.95427	3.66983	3.81205	0.044148
298	1267	SLC25A33	SLC25A33	0.040493	0.023726	2.64466	2.36055	2.502605	0.118355
37945	3677	SIVA1	SIVA1	0.115357	0.032145	4.01887	3.73492	3.876895	0.069203
50197	2223	SDF2L1	SDF2L1	0.069931	0.032317	2.7182	2.43535	2.576775	0.104621
40408	328	SNX29	SNX29	0.010483	0.002691	2.0792	1.79638	1.93779	0.050328
38771	26694	MAPKBP1	MAPKBP1	0.832937	0.044896	2.81494	2.53367	2.674305	0.007985
4559	5612	PYCR2	PYCR2	0.175265	0.006294	5.28432	5.00528	5.1448	0.004991
25027	385	NFIB	NFIB	0.012624	0.021234	1.18849	0.910185	1.049338	0.217062
19539	946	UTRN	UTRN	0.030151	0.01682	3.21792	2.94438	3.08115	0.109444
5002	1047	ZNF496	ZNF496	0.03297	0.01104	2.06128	1.7894	1.92534	0.070277
1214	5176	P3H1	P3H1	0.160567	0.017977	0.755721	0.48424	0.619981	0.024748
25807	8708	ABHD17B	ABHD17B	0.268504	0.018251	2.43223	2.16104	2.296635	0.013026
46213	2574	ZNF14	ZNF14	0.081199	0.029708	2.38423	2.11384	2.249035	0.086006
25250	14320	SMU1	SMU1	0.441875	0.030941	3.98045	3.71139	3.84592	0.013901
5889	5678	PSME4	PSME4	0.177561	0.028659	4.1864	3.91745	4.051925	0.039785
31289	896	TENM4	TENM4	0.028418	0.046239	1.82292	1.55441	1.688665	0.236083
46157	11309	LSM4	LSM4	0.347598	0.047095	4.93697	4.66895	4.80296	0.035467
35840	670	UGGT2	UGGT2	0.021401	0.006252	1.48951	1.22277	1.35614	0.059487
20295	3097	MALSU1	MALSU1	0.09765	0.022479	3.50312	3.23656	3.36984	0.054823
8255	1910	CARF	CARF	0.061058	0.031554	0.948453	0.682611	0.815532	0.113088
6660	7207	ZNF514	ZNF514	0.224342	0.044977	1.27702	1.01183	1.144425	0.054077
20657	5928	POLD2	POLD2	0.185762	0.047672	3.95643	3.69143	3.82393	0.069445
25378	8406	HINT2	HINT2	0.259724	0.030029	4.43109	4.1661	4.298595	0.027368
19828	1865	MPC1	MPC1	0.059605	0.019961	3.26099	2.99613	3.12856	0.075295
16712	5973	MSX2	MSX2	0.187207	0.041698	3.71505	3.45076	3.582905	0.059085
4756	719	PCNX2	PCNX2	0.023033	0.017579	1.16041	0.896248	1.028329	0.136083
46628	12412	ZNF420	ZNF420	0.383418	0.045814	1.95709	1.69417	1.82563	0.030242
43247	1381	HSD17B1	HSD17B1	0.044174	0.012628	1.23374	0.970985	1.102363	0.062156
2939	1896	PRUNE	PRUNE1	0.060716	0.039722	2.45671	2.19753	2.32712	0.138385
17010	3788	PSMG4	PSMG4	0.118572	0.033738	0.439559	0.184567	0.312063	0.07111
25732	618	ZNF658	ZNF658	0.019697	0.017823	2.62543	2.37275	2.49909	0.151645
24253	3540	ANKRD46	ANKRD46	0.111131	0.039757	3.27743	3.02535	3.15139	0.089053
2884	8359	HIST2H2A(	HIST2H2A(	0.258308	0.049033	7.0811	6.83043	6.955765	0.052059
50682	6130	IFT27	IFT27	0.191925	0.043669	2.76149	2.51199	2.63674	0.06088

52407	733	BEX2	BEX2	0.023283	0.04452	3.46659	3.21867	3.34263	0.252727
42049	615	CYB5D2	CYB5D2	0.019645	0.006238	2.63608	2.38957	2.512825	0.063962
28213	12274	PCBD1	PCBD1	0.379844	0.033104	3.09608	2.84979	2.972935	0.019168
23933	1142	PEX2	PEX2	0.035948	0.01877	3.47564	3.23049	3.353065	0.105721
48860	3233	ADNP	ADNP	0.1017	0.040914	2.85462	2.61071	2.732665	0.098314
43519	2042	ATP5G1	ATP5G1	0.064818	0.0467	5.10939	4.86559	4.98749	0.151751
49456	510	N6AMT1	N6AMT1	0.016611	0.018264	1.34996	1.57545	1.462705	0.170553
6920	21746	LIMS1	LIMS1	0.66869	0.004835	3.31033	3.53633	3.42333	0.000242
5324	24674	SMC6	SMC6	0.762835	0.049698	2.46227	2.68838	2.575325	0.011648
18601	20964	FAM135A	FAM135A	0.64387	0.018529	3.91378	4.14049	4.027135	0.003031
5505	4031	ZNF513	ZNF513	0.126264	0.006215	1.93002	2.1592	2.04461	0.007922
49100	2048	ARFGAP1	ARFGAP1	0.065009	0.039122	2.69984	2.93039	2.815115	0.130544
18002	10579	BRD2	BRD2	0.32435	0.037636	4.48248	4.71418	4.59833	0.028343
41608	7911	ZFP1	ZFP1	0.244696	0.042238	1.04773	1.28409	1.16591	0.045716
24326	1128	FZD6	FZD6	0.035588	0.004162	4.03155	4.2686	4.150075	0.023118
6918	7608	GCC2	GCC2	0.236031	0.026873	2.36478	2.60208	2.48343	0.026475
42382	3049	TVP23C	TVP23C	0.096164	0.031296	0.643932	0.88233	0.763131	0.078778
50444	2170	TPST2	TPST2	0.068505	0.02763	2.45366	2.69609	2.574875	0.09187
21860	8229	MET	MET	0.254477	0.017416	3.53127	3.77943	3.65535	0.013116
24785	7276	FAM83H-A	FAM83H-A	0.226726	0.020937	2.10274	2.35883	2.230785	0.01984
51823	2054	FAM156B	FAM156B	0.065154	0.02691	1.96713	2.22831	2.09772	0.093197
26004	1133	DAPK1	DAPK1	0.035654	0.040952	3.16716	3.42894	3.29805	0.194351
29356	10708	PDDC1	GATD1	0.328024	0.020816	2.17379	2.43625	2.30502	0.011875
2558	6139	NOTCH2	NOTCH2	0.192294	0.042369	2.76391	3.03011	2.89701	0.058654
47156	1020	NUCB1	NUCB1	0.032275	0.004779	3.59886	3.86934	3.7341	0.030181
16242	10565	FCHSD1	FCHSD1	0.32398	0.019247	1.01444	1.28713	1.150785	0.010749
45058	18793	ATP8B1	ATP8B1	0.57588	0.010387	3.75236	4.02718	3.88977	0.001392
26738	7466	LRSAM1	LRSAM1	0.231578	0.021411	1.53516	1.81406	1.67461	0.019915
688	2337	TCEA3	TCEA3	0.073438	0.042387	2.95792	3.23977	3.098845	0.128802
51896	8674	SPIN3	SPIN3	0.267186	0.014901	0.748549	1.03514	0.891845	0.009728
22591	8150	CHPF2	CHPF2	0.25212	0.036788	3.06685	3.35345	3.21015	0.037076
46906	19273	CADM4	CADM4	0.591361	0.032084	2.90408	3.19105	3.047565	0.009111
40311	19098	ALG1	ALG1	0.585604	0.031908	1.19824	1.48988	1.34406	0.009188
29673	19833	PPFIBP2	PPFIBP2	0.608954	0.032303	1.5974	1.8935	1.74545	0.008737
24651	2205	ST3GAL1	ST3GAL1	0.069609	0.021516	2.25629	2.55294	2.404615	0.071079
41844	3494	GALNS	GALNS	0.109895	0.005279	0.288559	0.588701	0.43863	0.007621
51069	8479	LMF2	LMF2	0.26168	0.037439	2.84615	3.15075	2.99845	0.036361
36766	12084	PNN	PNN	0.37406	0.024928	3.43509	3.74139	3.58824	0.012836
34275	3602	FAM109A	FAM109A	0.11263	0.005957	0.747053	1.05403	0.900542	0.008745
50162	3001	LZTR1	LZTR1	0.094583	0.021336	1.81481	2.1225	1.968655	0.053375
23988	9249	FABP5	FABP5	0.284077	0.049806	8.33335	8.64357	8.48846	0.048029
1541	728	TTC22	TTC22	0.023204	0.011427	2.9851	3.29567	3.140385	0.095889
27085	3619	NDOR1	NDOR1	0.113289	0.026072	1.79335	2.11279	1.95307	0.056057
30084	6173	EHF	EHF	0.1933	0.039631	5.58265	5.90343	5.74304	0.053924
41404	2419	KIAA0895L	KIAA0895L	0.076228	0.018171	1.56213	1.8889	1.725515	0.055016
18379	23884	CD2AP	CD2AP	0.735782	0.013014	3.65408	3.98342	3.81875	0.001179
28985	7318	ABLIM1	ABLIM1	0.227687	0.012299	3.08027	3.41087	3.24557	0.009235

6168	8778	TGFA	TGFA	0.270567	0.024656	3.0183	3.35722	3.18776	0.019816
45454	9471	MKNK2	MKNK2	0.29059	0.025112	4.959	5.29799	5.128495	0.018507
3806	2407	QSOX1	QSOX1	0.075908	0.01542	3.0358	3.37602	3.20591	0.046238
53112	7145	ZNF185	ZNF185	0.222644	0.046764	4.93123	5.27941	5.10532	0.05712
7738	25899	CERS6	CERS6	0.80542	0.043554	3.20854	3.55676	3.38265	0.008213
14984	14964	IL6ST	IL6ST	0.460764	0.038275	3.3848	3.74147	3.563135	0.018073
33959	17141	RN7SL737I	RN7SL737I	0.525527	0.049914	1.01119	1.37395	1.19257	0.02232
183	10785	ARHGEF16	ARHGEF16	0.330716	0.035071	3.29156	3.65654	3.47405	0.025061
9776	9880	SEMA3F	SEMA3F	0.30246	0.048088	4.12013	4.48773	4.30393	0.042844
37420	15732	SPTLC2	SPTLC2	0.485122	0.029104	2.97438	3.34209	3.158235	0.01091
44076	3066	RECQL5	RECQL5	0.096662	0.034033	2.22288	2.59619	2.409535	0.085354
29337	8667	LRRC56	LRRC56	0.267028	0.049754	0.15153	0.525742	0.338636	0.051219
31143	1841	ATG16L2	ATG16L2	0.058855	0.047884	1.12556	1.50303	1.314295	0.164289
357	1123	FBXO44	FBXO44	0.035515	0.004137	1.35416	1.73291	1.543535	0.023013
51007	6806	GRAMD4	GRAMD4	0.212614	0.005564	2.88256	3.287	3.08478	0.003036
43236	5383	STAT5A	STAT5A	0.167784	0.028702	0.476575	0.891019	0.683797	0.042332
7006	10920	TMEM87B	TMEM87B	0.334653	0.001548	3.50021	3.92831	3.71426	0.000143
36561	10685	RIPK3	RIPK3	0.327131	0.023505	1.28509	1.71559	1.50034	0.014284
16128	4527	CXXC5	CXXC5	0.141233	0.009007	3.00639	3.4378	3.222095	0.011486
37942	2007	ADSSL1	ADSSL1	0.063575	0.020761	1.78553	2.22292	2.004225	0.074116
237	2726	PLEKHG5	PLEKHG5	0.086146	0.038963	2.50588	2.94542	2.72565	0.106482
33848	9063	TMTC2	TMTC2	0.278128	0.009277	1.4609	1.90115	1.681025	0.004412
70	1210	KLHL17	KLHL17	0.038104	0.010423	0.374736	0.815028	0.594882	0.058598
22970	10561	CTSB	CTSB	0.323874	0.020326	5.74682	6.18951	5.968165	0.011674
41126	105	ADCY7	ADCY7	0.002967	0.010845	0.655691	1.1047	0.880196	0.289667
40793	7189	MVP	MVP	0.223798	0.03856	5.09076	5.54366	5.31721	0.044858
18613	27656	OGFRL1	OGFRL1	0.869793	0.018842	1.94116	2.39572	2.16844	0.001449
42816	10699	RAB11FIP4	RAB11FIP4	0.327611	0.02806	1.5921	2.04838	1.82024	0.018463
14398	1186	SLC12A7	SLC12A7	0.037354	0.003443	0.87288	1.33873	1.105805	0.017382
52484	12303	MID2	MID2	0.380436	0.041868	-0.13415	0.341628	0.103738	0.02688
43356	14296	GRN	GRN	0.441352	0.032093	5.33205	5.81715	5.5746	0.014729
48180	16036	RALGAPA2	RALGAPA2	0.49402	0.038316	0.43161	0.922432	0.677021	0.016306
24735	3019	LYNX1	LYNX1	0.094997	0.032513	2.24305	2.73391	2.48848	0.08271
4504	28700	TLR5	TLR5	0.910126	0.031399	0.156777	0.657752	0.407265	0.003215
44969	16380	SCARNA17	SCARNA17	0.504472	0.042258	4.1269	4.63027	4.378585	0.018373
30865	2557	MALAT1	MALAT1	0.080637	0.026572	7.63148	8.15272	7.8921	0.077473
32046	16430	SIAE	SIAE	0.505976	0.036016	0.752021	1.27391	1.012966	0.014267
6798	16780	TBC1D8	TBC1D8	0.515461	0.025643	-0.15228	0.369688	0.108704	0.008043
21399	5802	CLDN12	CLDN12	0.181525	0.031761	2.43479	2.96447	2.69963	0.044068
8886	7115	GPC1	GPC1	0.222005	0.044633	5.04904	5.58844	5.31874	0.054143
42059	7857	GGT6	GGT6	0.243112	0.039124	4.12229	4.66279	4.39254	0.041785
31016	1665	TCIRG1	TCIRG1	0.052745	0.010402	2.29527	2.8388	2.567035	0.04305
9551	3549	ZNF662	ZNF662	0.11127	0.018276	0.445795	1.00112	0.723458	0.038045
51059	5247	MAPK11	MAPK11	0.162919	0.021657	1.50676	2.07527	1.791015	0.030869
11450	6482	TNFSF10	TNFSF10	0.202281	0.021799	4.94938	5.54108	5.24523	0.024153
41885	6822	ZNF276	ZNF276	0.21303	0.018803	0.613544	1.20564	0.909592	0.018536
28517	5911	ANKRD22	ANKRD22	0.18505	0.046147	-0.05828	0.535548	0.238634	0.067156

38743	24339	RHOV	RHOV	0.752068	0.037496	4.56553	5.16815	4.86684	0.007389
45019	8051	RAB27B	RAB27B	0.249235	0.039734	2.9952	3.5981	3.29665	0.041472
12013	4385	SH3BP2	SH3BP2	0.137095	0.010422	2.44449	3.0607	2.752595	0.014605
49756	5761	ABCG1	ABCG1	0.180122	0.008687	2.58736	3.21201	2.899685	0.007765
19382	19112	SLC2A12	SLC2A12	0.585966	0.007328	0.603261	1.23369	0.918476	0.000717
8071	12240	NABP1	NABP1	0.37904	0.048929	0.669674	1.33074	1.000207	0.03365
38785	1585	PLA2G4F	PLA2G4F	0.050259	0.00545	0.779203	1.44768	1.113442	0.021559
31391	23818	CTSC	CTSC	0.733528	0.039531	3.10953	3.79702	3.453275	0.008541
19772	11029	AGPAT4	AGPAT4	0.338405	0.010914	0.104156	0.873853	0.489005	0.004135
19986	4740	TMEM184	TMEM184	0.147448	0.041725	3.25413	4.05774	3.655935	0.073726
38877	6977	DUOXA1	DUOXA1	0.217634	0.03851	0.947363	1.7521	1.349732	0.046128
30798	612	CCDC88B	CCDC88B	0.01958	0.004684	-0.01093	0.816101	0.402587	0.04863
19599	22425	RAET1E	RAET1E	0.689449	0.006491	2.55238	3.4049	2.97864	0.000387
20294	1113	GPNMB	GPNMB	0.035309	0.006058	2.71736	3.62545	3.171405	0.035761
11065	6649	CHST2	CHST2	0.207261	0.046043	2.27628	3.28825	2.782265	0.060152
44309	16617	SLC16A3	SLC16A3	0.511053	0.023282	1.56918	2.58242	2.0758	0.006975
27097	29029	NRARP	NRARP	0.922086	0.040409	2.53058	3.56289	3.046735	0.004897
32152	5560	TMEM45B	TMEM45B	0.173592	0.004584	2.16992	3.21678	2.69335	0.003102
25262	9089	AQP3	AQP3	0.279201	0.039498	5.44301	6.50502	5.974015	0.036217
14902	7022	EMB	EMB	0.21905	0.00324	1.28414	2.35199	1.818065	0.001192
19851	1477	UNC93A	UNC93A	0.046636	0.015066	0.770828	1.85217	1.311499	0.070495
29262	11744	ADAM8	ADAM8	0.361925	0.032076	1.63723	2.74882	2.193025	0.019567
30861	3991	NEAT1	NEAT1	0.124984	0.008676	3.56074	4.67664	4.11869	0.01283
50620	27821	TIMP3	TIMP3	0.876588	0.022107	2.82606	3.98161	3.403835	0.001903
47133	12395	FAM83E	FAM83E	0.383002	0.034947	0.301505	1.45962	0.880563	0.020518
184	3992	MEGF6	MEGF6	0.125	0.002971	0.001767	1.41925	0.710509	0.002651

Exp_1Way vs. Cont (ratio)	*Exp_1Way vs. Cont Lin(FC)*	*Exp_1Way vs. Cont (Description)*	*Exp_1Way vs. Cont 95% lower limit*	*Exp_1Way vs. Cont 95% upper limit*	*Exp_1Way vs. Cont Log2(FC)*	*Mean 2Way (Cont)*	*Mean 2Way (Exp)*	*Avg 2Way (Exp + Cont)*	*Exp_Paired-2Way vs. Cont (p-val)*
0.388953	-2.571	Exp_1Way	-5.33885	-1.2381	-1.36233	2.54067	1.17834	1.859505	0.029776
0.48628	-2.05643	Exp_1Way	-4.14624	-1.01994	-1.04014	1.10506	0.064917	0.584989	0.015969
0.490043	-2.04064	Exp_1Way	-4.18125	1.00409	-1.02902	2.46007	1.43105	1.94556	0.026224
0.497649	-2.00945	Exp_1Way	-3.60753	-1.11929	-1.0068	3.63473	2.62794	3.131335	0.030261
0.499556	-2.00178	Exp_1Way	-2.92232	-1.37121	-1.00128	0.859745	-0.14154	0.359104	0.023992
0.512401	-1.9516	Exp_1Way	-3.07341	-1.23925	-0.96466	1.56893	0.604275	1.086603	0.012122
0.512998	-1.94933	Exp_1Way	-3.63609	-1.04504	-0.96298	2.72574	1.76276	2.24425	0.007118
0.53295	-1.87635	Exp_1Way	-2.59345	-1.35753	-0.90793	1.36142	0.45349	0.907455	0.01737
0.553833	-1.8056	Exp_1Way	-3.12418	-1.04353	-0.85248	1.62862	0.776138	1.202379	0.020352
0.554312	-1.80404	Exp_1Way	-2.35483	-1.38207	-0.85123	3.13974	2.2885	2.71412	0.001127
0.569076	-1.75723	Exp_1Way	-3.26289	1.05668	-0.81331	4.22374	3.41043	3.817085	0.035719
0.572242	-1.74751	Exp_1Way	-2.30193	-1.32663	-0.8053	3.71453	2.90923	3.31188	0.010017
0.57556	-1.73744	Exp_1Way	-2.7617	-1.09306	-0.79696	4.37805	3.58108	3.979565	0.044075
0.576619	-1.73425	Exp_1Way	-2.8974	-1.03804	-0.79431	2.10064	1.30633	1.703485	0.01836
0.587895	-1.70098	Exp_1Way	-2.36095	-1.2255	-0.76637	2.92891	2.16254	2.545725	0.023581
0.588012	-1.70065	Exp_1Way	-2.74729	-1.05275	-0.76608	1.11154	0.345458	0.728499	0.021688
0.589073	-1.69758	Exp_1Way	-2.29467	-1.25586	-0.76348	1.71523	0.95174	1.333485	0.005285
0.591964	-1.68929	Exp_1Way	-2.3843	-1.19687	-0.75642	4.21471	3.45829	3.8365	0.021491
0.592218	-1.68857	Exp_1Way	-2.98335	1.04633	-0.7558	2.47783	1.72203	2.09993	0.024563
0.609097	-1.64177	Exp_1Way	-2.15715	-1.24953	-0.71526	0.781337	0.066081	0.423709	0.007131
0.610299	-1.63854	Exp_1Way	-2.79015	1.03923	-0.71241	0.684261	-0.02815	0.328055	0.018516
0.610648	-1.63761	Exp_1Way	-2.71643	1.01293	-0.71159	2.92109	2.2095	2.565295	0.022373
0.613116	-1.63101	Exp_1Way	-2.60413	-1.02153	-0.70577	1.36888	0.663109	1.015995	0.016285
0.616566	-1.62189	Exp_1Way	-2.41993	-1.08702	-0.69767	0.864135	0.166463	0.515299	0.006038
0.620073	-1.61271	Exp_1Way	-2.15414	-1.20737	-0.68949	0.826263	0.136774	0.481519	0.02032
0.627068	-1.59472	Exp_1Way	-2.42276	-1.04969	-0.67331	2.22282	1.54951	1.886165	0.014234
0.629495	-1.58857	Exp_1Way	-2.65597	1.05247	-0.66773	3.25899	2.59126	2.925125	0.020224
0.630167	-1.58688	Exp_1Way	-2.27137	-1.10867	-0.66619	0.473412	-0.19278	0.140315	0.031525
0.632639	-1.58068	Exp_1Way	-2.43458	-1.02627	-0.66055	2.02509	1.36454	1.694815	0.010417
0.635114	-1.57452	Exp_1Way	-2.16155	-1.14691	-0.65491	1.97564	1.32073	1.648185	0.025754
0.635883	-1.57262	Exp_1Way	-2.27946	-1.08496	-0.65317	5.50096	4.84779	5.174375	0.023543
0.644095	-1.55257	Exp_1Way	-2.2948	-1.0504	-0.63465	1.16865	0.533998	0.851324	0.045915
0.644259	-1.55217	Exp_1Way	-2.18612	-1.10206	-0.63429	1.20211	0.567822	0.884966	0.036136
0.645218	-1.54986	Exp_1Way	-2.52888	1.05279	-0.63214	0.456966	-0.17518	0.140895	0.011578
0.645429	-1.54936	Exp_1Way	-2.0631	-1.16354	-0.63167	6.17719	5.54553	5.86136	0.013011
0.64671	-1.54629	Exp_1Way	-2.21756	-1.07822	-0.62881	5.62662	4.99781	5.312215	0.02879
0.649667	-1.53925	Exp_1Way	-2.34159	-1.01183	-0.62223	0.549642	-0.07259	0.238528	0.010313
0.657558	-1.52078	Exp_1Way	-2.41183	1.04283	-0.60481	8.71716	8.11235	8.414755	0.025628
0.659988	-1.51518	Exp_1Way	-2.54069	1.10668	-0.59949	1.9503	1.35081	1.650555	0.016676
0.663962	-1.50611	Exp_1Way	-2.24693	-1.00954	-0.59083	4.25882	3.66799	3.963405	0.026653
0.66878	-1.49526	Exp_1Way	-2.17284	-1.02898	-0.5804	3.34057	2.76017	3.05037	0.045172

0.671857	-1.48841	Exp_1Way	-3.13063	1.41314	-0.57377	0.554557	-0.01922	0.26767	0.014843
0.680987	-1.46846	Exp_1Way	-2.24999	1.04342	-0.5543	0.501054	-0.05325	0.223904	0.027331
0.685177	-1.45948	Exp_1Way	-2.59319	1.21742	-0.54545	2.72819	2.18274	2.455465	0.026776
0.689543	-1.45024	Exp_1Way	-1.94891	-1.07916	-0.53629	5.36725	4.83096	5.099105	0.003135
0.690412	-1.44841	Exp_1Way	-2.04396	-1.02639	-0.53447	0.886885	0.352413	0.619649	0.041461
0.693361	-1.44225	Exp_1Way	-2.02391	-1.02775	-0.52832	6.56055	6.03223	6.29639	0.042878
0.699581	-1.42943	Exp_1Way	-1.74664	-1.16982	-0.51544	1.83429	1.31885	1.57657	0.014851
0.701713	-1.42508	Exp_1Way	-1.75938	-1.15431	-0.51105	6.22301	5.71197	5.96749	0.009016
0.704329	-1.41979	Exp_1Way	-1.91261	-1.05395	-0.50568	0.912166	0.406489	0.659328	0.008263
0.709532	-1.40938	Exp_1Way	-2.11924	1.0669	-0.49506	0.762234	0.267174	0.514704	0.043438
0.71103	-1.40641	Exp_1Way	-1.86829	-1.05872	-0.49202	2.4669	1.97488	2.22089	0.030406
0.711892	-1.40471	Exp_1Way	-2.00581	1.01653	-0.49027	0.503239	0.012971	0.258105	0.021601
0.719314	-1.39021	Exp_1Way	-1.65802	-1.16566	-0.47531	4.50773	4.03243	4.27008	0.000869
0.721219	-1.38654	Exp_1Way	-1.83406	-1.04822	-0.47149	6.32158	5.8501	6.08584	0.003431
0.721563	-1.38588	Exp_1Way	-1.88494	-1.01895	-0.4708	3.64907	3.17827	3.41367	0.045321
0.72222	-1.38462	Exp_1Way	-1.93834	1.01104	-0.46949	4.34778	3.8783	4.11304	0.018966
0.722884	-1.38335	Exp_1Way	-1.79332	-1.0671	-0.46816	2.64049	2.17232	2.406405	0.034454
0.723192	-1.38276	Exp_1Way	-1.90147	-1.00555	-0.46755	0.324462	-0.14309	0.090688	0.025127
0.723458	-1.38225	Exp_1Way	-1.66567	-1.14705	-0.46702	1.08051	0.613487	0.846999	0.021237
0.723772	-1.38165	Exp_1Way	-2.14042	1.12125	-0.46639	1.74054	1.27414	1.50734	0.039084
0.724345	-1.38056	Exp_1Way	-1.87953	-1.01405	-0.46525	4.90977	4.44452	4.677145	0.036842
0.725767	-1.37785	Exp_1Way	-2.05473	1.0823	-0.46242	0.844627	0.382206	0.613417	0.022109
0.725833	-1.37773	Exp_1Way	-1.96419	1.0348	-0.46229	1.11058	0.648286	0.879433	0.001547
0.726018	-1.37738	Exp_1Way	-2.1704	1.14402	-0.46192	1.27265	0.810731	1.041691	0.026017
0.727943	-1.37373	Exp_1Way	-1.91099	1.01264	-0.4581	4.24061	3.78251	4.01156	0.00873
0.728212	-1.37323	Exp_1Way	-2.05971	1.09225	-0.45757	2.92338	2.46581	2.694595	0.033393
0.728434	-1.37281	Exp_1Way	-1.97723	1.04915	-0.45713	1.43121	0.974086	1.202648	0.009059
0.728497	-1.37269	Exp_1Way	-1.89718	1.00685	-0.45701	1.69557	1.23857	1.46707	0.005478
0.729248	-1.37128	Exp_1Way	-1.9622	1.0435	-0.45552	2.1043	1.64878	1.87654	0.01778
0.732378	-1.36541	Exp_1Way	-1.91417	1.02672	-0.44934	4.37628	3.92694	4.15161	0.035632
0.732806	-1.36462	Exp_1Way	-1.90135	1.02103	-0.4485	3.71645	3.26796	3.492205	0.032184
0.734161	-1.3621	Exp_1Way	-1.68101	-1.10369	-0.44583	1.64624	1.20041	1.423325	0.033258
0.735718	-1.35922	Exp_1Way	-1.81242	-1.01934	-0.44278	7.32156	6.87878	7.10017	0.045899
0.736057	-1.35859	Exp_1Way	-1.69682	-1.08778	-0.44211	2.18977	1.74765	1.96871	0.000167
0.742936	-1.34601	Exp_1Way	-1.8426	1.01703	-0.42869	1.55576	1.12708	1.34142	0.036436
0.749933	-1.33345	Exp_1Way	-1.94096	1.09159	-0.41517	0.611695	0.196528	0.404112	0.04926
0.750905	-1.33173	Exp_1Way	-1.69714	-1.04499	-0.4133	2.85965	2.44635	2.653	0.028158
0.753528	-1.32709	Exp_1Way	-1.84222	1.04602	-0.40827	5.23556	4.8273	5.03143	0.026073
0.754027	-1.32621	Exp_1Way	-1.58767	-1.10782	-0.40731	2.98078	2.57346	2.77712	0.010458
0.757037	-1.32094	Exp_1Way	-1.64068	-1.06351	-0.40156	2.11741	1.71584	1.916625	0.011794
0.759369	-1.31688	Exp_1Way	-1.63601	-1.06001	-0.39713	2.04864	1.65152	1.85008	0.033298
0.759524	-1.31661	Exp_1Way	-1.88158	1.08544	-0.39683	3.4554	3.05856	3.25698	0.008705
0.761345	-1.31347	Exp_1Way	-2.02708	1.17499	-0.39338	0.336524	-0.05685	0.139835	0.029986
0.76335	-1.31002	Exp_1Way	-1.61619	-1.06185	-0.38958	1.59294	1.20335	1.398145	0.031347
0.764227	-1.30851	Exp_1Way	-1.77383	1.03599	-0.38793	1.14169	0.753766	0.947728	0.037942
0.767132	-1.30356	Exp_1Way	-1.71124	1.00705	-0.38245	3.80479	3.42234	3.613565	0.045198
0.767693	-1.3026	Exp_1Way	-1.69601	-1.00045	-0.3814	1.67454	1.29315	1.483845	0.043073

0.769128	-1.30017	Exp_1Way	-1.72729	1.02179	-0.3787	0.438303	0.059599	0.248951	0.028702
0.769634	-1.29932	Exp_1Way	-1.85317	1.0977	-0.37776	0.314796	-0.06296	0.125918	0.00165
0.769849	-1.29896	Exp_1Way	-1.62954	-1.03544	-0.37735	1.08928	0.711934	0.900607	0.007429
0.771319	-1.29648	Exp_1Way	-1.62093	-1.03697	-0.3746	4.38502	4.01042	4.19772	0.049914
0.772239	-1.29494	Exp_1Way	-1.64869	-1.01709	-0.37288	4.31795	3.94507	4.13151	0.036563
0.77266	-1.29423	Exp_1Way	-1.5895	-1.05381	-0.3721	4.17733	3.80524	3.991285	0.028499
0.772793	-1.29401	Exp_1Way	-1.67037	-1.00245	-0.37185	2.05223	1.68039	1.86631	0.022565
0.775932	-1.28877	Exp_1Way	-1.7007	1.02394	-0.366	4.66257	4.29658	4.479575	0.03078
0.775982	-1.28869	Exp_1Way	-1.56063	-1.06414	-0.36591	5.84775	5.48184	5.664795	0.018147
0.776121	-1.28846	Exp_1Way	-1.68077	1.01244	-0.36565	0.822495	0.456848	0.639672	0.047511
0.776593	-1.28768	Exp_1Way	-1.75193	1.05658	-0.36477	0.494037	0.129268	0.311653	0.027101
0.778719	-1.28416	Exp_1Way	-1.45566	-1.13287	-0.36083	2.42779	2.06696	2.247375	0.003909
0.779579	-1.28274	Exp_1Way	-1.7947	1.09072	-0.35923	3.76614	3.40691	3.586525	0.04943
0.779771	-1.28243	Exp_1Way	-1.71752	1.04433	-0.35888	1.40833	1.04946	1.228895	0.025805
0.783822	-1.2758	Exp_1Way	-1.64794	1.01246	-0.3514	3.28034	2.92893	3.104635	0.046226
0.789882	-1.26601	Exp_1Way	-1.9364	1.20815	-0.34029	2.89162	2.55133	2.721475	0.03264
0.790004	-1.26582	Exp_1Way	-1.69467	1.05766	-0.34007	6.85069	6.51062	6.680655	0.024946
0.790304	-1.26534	Exp_1Way	-1.68953	1.05525	-0.33952	5.01127	4.67175	4.84151	0.037219
0.791502	-1.26342	Exp_1Way	-1.43751	-1.11041	-0.33733	4.15442	3.81709	3.985755	0.02655
0.792063	-1.26253	Exp_1Way	-1.56733	-1.017	-0.33631	2.35349	2.01717	2.18533	0.03528
0.793925	-1.25956	Exp_1Way	-1.59023	1.00235	-0.33293	4.09601	3.76308	3.929545	0.031323
0.795199	-1.25755	Exp_1Way	-1.59267	1.00711	-0.33061	4.28444	3.95383	4.119135	0.017537
0.796051	-1.2562	Exp_1Way	-1.55936	-1.01198	-0.32907	0.926898	0.597831	0.762365	0.040479
0.796338	-1.25575	Exp_1Way	-1.62988	1.03359	-0.32855	3.37524	3.0467	3.21097	0.022783
0.798465	-1.2524	Exp_1Way	-1.56033	-1.00525	-0.3247	3.52495	3.20025	3.3626	0.034798
0.798931	-1.25167	Exp_1Way	-1.57471	1.00512	-0.32386	1.52492	1.20106	1.36299	0.020543
0.799015	-1.25154	Exp_1Way	-1.46945	-1.06595	-0.32371	4.3934	4.06969	4.231545	0.007074
0.801029	-1.24839	Exp_1Way	-1.61366	1.0354	-0.32007	1.44512	1.12505	1.285085	0.01293
0.801392	-1.24783	Exp_1Way	-1.52316	-1.02227	-0.31942	3.55762	3.2382	3.39791	0.00459
0.802645	-1.24588	Exp_1Way	-1.45666	-1.0656	-0.31717	3.57096	3.25379	3.412375	0.041624
0.803093	-1.24519	Exp_1Way	-1.56875	1.01178	-0.31636	3.02212	2.70576	2.86394	0.024405
0.803608	-1.24439	Exp_1Way	-1.5523	1.00245	-0.31544	1.39944	1.08401	1.241725	0.026945
0.804743	-1.24263	Exp_1Way	-1.57207	1.01809	-0.3134	3.77204	3.45863	3.615335	0.008008
0.805052	-1.24216	Exp_1Way	-1.53499	-1.00518	-0.31285	3.06393	2.75108	2.907505	0.029899
0.805637	-1.24125	Exp_1Way	-1.61932	1.05102	-0.3118	2.36388	2.05208	2.20798	0.03842
0.80585	-1.24093	Exp_1Way	-1.71438	1.11331	-0.31142	0.948989	0.637573	0.793281	0.041849
0.806099	-1.24054	Exp_1Way	-1.69365	1.10052	-0.31097	6.03059	5.71962	5.875105	0.046062
0.806155	-1.24046	Exp_1Way	-1.75817	1.14261	-0.31087	1.56972	1.25884	1.41428	0.037834
0.806311	-1.24022	Exp_1Way	-1.88358	1.22458	-0.31059	1.32883	1.01824	1.173535	0.03833
0.806443	-1.24001	Exp_1Way	-1.47407	-1.04312	-0.31036	6.45057	6.14022	6.295395	0.030066
0.806453	-1.24	Exp_1Way	-1.49924	-1.02558	-0.31034	3.51692	3.20659	3.361755	0.04085
0.806753	-1.23954	Exp_1Way	-1.53454	-1.00125	-0.3098	1.93629	1.62649	1.78139	0.022734
0.807242	-1.23879	Exp_1Way	-1.47738	-1.03872	-0.30893	2.92965	2.62072	2.775185	0.004507
0.807958	-1.23769	Exp_1Way	-1.50289	-1.01928	-0.30765	5.07838	4.77074	4.92456	0.03168
0.808693	-1.23656	Exp_1Way	-1.59886	1.04563	-0.30634	2.24465	1.93832	2.091485	0.015854
0.808753	-1.23647	Exp_1Way	-1.46652	-1.04251	-0.30623	2.69437	2.38815	2.54126	0.013786
0.809132	-1.23589	Exp_1Way	-1.406	-1.08637	-0.30555	3.43114	3.12559	3.278365	0.013452

0.809988	-1.23459	Exp_1Way	-1.68607	1.1062	-0.30403	0.827376	0.523349	0.675363	0.02436
0.810987	-1.23307	Exp_1Way	-1.59246	1.04736	-0.30225	1.94191	1.63966	1.790785	0.025271
0.813633	-1.22905	Exp_1Way	-1.67618	1.10963	-0.29755	1.49225	1.1947	1.343475	0.024907
0.814402	-1.2279	Exp_1Way	-1.55837	1.03359	-0.29619	6.15844	5.86225	6.010345	0.032242
0.814609	-1.22758	Exp_1Way	-2.04417	1.35649	-0.29582	0.798273	0.502454	0.650364	0.042134
0.815151	-1.22677	Exp_1Way	-1.57168	1.04434	-0.29486	4.58453	4.28967	4.4371	0.047146
0.815883	-1.22567	Exp_1Way	-1.53405	1.02116	-0.29357	1.20992	0.916354	1.063137	0.030902
0.816691	-1.22445	Exp_1Way	-1.56966	1.04694	-0.29214	6.61432	6.32219	6.468255	0.049175
0.816919	-1.22411	Exp_1Way	-1.49813	-1.00021	-0.29174	1.92786	1.63612	1.78199	0.015786
0.817037	-1.22393	Exp_1Way	-1.56656	1.04576	-0.29153	5.90214	5.61061	5.756375	0.025653
0.819793	-1.21982	Exp_1Way	-1.4376	-1.03503	-0.28667	3.32196	3.03529	3.178625	0.007604
0.820423	-1.21888	Exp_1Way	-1.43316	-1.03664	-0.28556	3.65513	3.36957	3.51235	0.016169
0.820885	-1.2182	Exp_1Way	-1.46911	-1.01014	-0.28475	6.60358	6.31883	6.461205	0.029983
0.821061	-1.21794	Exp_1Way	-1.47363	-1.00661	-0.28444	3.95427	3.66983	3.81205	0.018615
0.82125	-1.21766	Exp_1Way	-1.57857	1.06467	-0.28411	2.64466	2.36055	2.502605	0.023726
0.821343	-1.21752	Exp_1Way	-1.51163	1.01975	-0.28394	4.01887	3.73492	3.876895	0.032145
0.821966	-1.21659	Exp_1Way	-1.55752	1.0523	-0.28285	2.7182	2.43535	2.576775	0.032317
0.821982	-1.21657	Exp_1Way	-1.48058	1.00036	-0.28282	2.0792	1.79638	1.93779	0.002691
0.822863	-1.21527	Exp_1Way	-1.38144	-1.06909	-0.28128	2.81494	2.53367	2.674305	0.044896
0.824145	-1.21338	Exp_1Way	-1.36307	-1.08012	-0.27903	5.28432	5.00528	5.1448	0.006294
0.824557	-1.21277	Exp_1Way	-1.69027	1.14921	-0.27831	1.18849	0.910185	1.049338	0.021234
0.827291	-1.20876	Exp_1Way	-1.54096	1.05465	-0.27353	3.21792	2.94438	3.08115	0.01682
0.828236	-1.20738	Exp_1Way	-1.4868	1.01991	-0.27189	2.06128	1.7894	1.92534	0.01104
0.828469	-1.20705	Exp_1Way	-1.41271	-1.03133	-0.27148	0.755721	0.48424	0.619981	0.017977
0.828638	-1.2068	Exp_1Way	-1.38312	-1.05296	-0.27119	2.43223	2.16104	2.296635	0.018251
0.829098	-1.20613	Exp_1Way	-1.50413	1.03394	-0.27039	2.38423	2.11384	2.249035	0.029708
0.829858	-1.20503	Exp_1Way	-1.38218	-1.05057	-0.26906	3.98045	3.71139	3.84592	0.030941
0.829921	-1.20493	Exp_1Way	-1.43579	-1.01119	-0.26895	4.1864	3.91745	4.051925	0.028659
0.830177	-1.20456	Exp_1Way	-1.68398	1.16059	-0.26851	1.82292	1.55441	1.688665	0.046239
0.830458	-1.20415	Exp_1Way	-1.4267	-1.01632	-0.26802	4.93697	4.66895	4.80296	0.047095
0.831192	-1.20309	Exp_1Way	-1.46107	1.00942	-0.26675	1.48951	1.22277	1.35614	0.006252
0.831295	-1.20294	Exp_1Way	-1.45411	1.00486	-0.26657	3.50312	3.23656	3.36984	0.022479
0.831713	-1.20234	Exp_1Way	-1.52668	1.05608	-0.26584	0.948453	0.682611	0.815532	0.031554
0.832088	-1.2018	Exp_1Way	-1.45023	1.0041	-0.26519	1.27702	1.01183	1.144425	0.044977
0.832194	-1.20164	Exp_1Way	-1.47087	1.01864	-0.26501	3.95643	3.69143	3.82393	0.047672
0.832204	-1.20163	Exp_1Way	-1.40629	-1.02675	-0.26499	4.43109	4.1661	4.298595	0.030029
0.832279	-1.20152	Exp_1Way	-1.47814	1.02389	-0.26486	3.26099	2.99613	3.12856	0.019961
0.832609	-1.20104	Exp_1Way	-1.45542	1.00895	-0.26429	3.71505	3.45076	3.582905	0.041698
0.832684	-1.20094	Exp_1Way	-1.54945	1.07433	-0.26416	1.16041	0.896248	1.028329	0.017579
0.8334	-1.1999	Exp_1Way	-1.40792	-1.02262	-0.26292	1.95709	1.69417	1.82563	0.045814
0.833493	-1.19977	Exp_1Way	-1.45643	1.0118	-0.26276	1.23374	0.970985	1.102363	0.012628
0.835566	-1.19679	Exp_1Way	-1.5393	1.07469	-0.25918	2.45671	2.19753	2.32712	0.039722
0.837992	-1.19333	Exp_1Way	-1.45164	1.01939	-0.25499	0.439559	0.184567	0.312063	0.033738
0.839334	-1.19142	Exp_1Way	-1.53723	1.08295	-0.25268	2.62543	2.37275	2.49909	0.017823
0.839686	-1.19092	Exp_1Way	-1.46664	1.03409	-0.25208	3.27743	3.02535	3.15139	0.039757
0.840503	-1.18976	Exp_1Way	-1.41833	1.00197	-0.25068	7.0811	6.83043	6.955765	0.049033
0.841188	-1.1888	Exp_1Way	-1.42745	1.01006	-0.2495	2.76149	2.51199	2.63674	0.043669

0.842111	-1.18749	Exp_1Way	-1.63778	1.16143	-0.24792	3.46659	3.21867	3.34263	0.04452
0.842934	-1.18633	Exp_1Way	-1.42517	1.01264	-0.24651	2.63608	2.38957	2.512825	0.006238
0.843059	-1.18616	Exp_1Way	-1.3571	-1.03675	-0.2463	3.09608	2.84979	2.972935	0.033104
0.843726	-1.18522	Exp_1Way	-1.46939	1.04602	-0.24515	3.47564	3.23049	3.353065	0.01877
0.844456	-1.18419	Exp_1Way	-1.4586	1.04013	-0.24391	2.85462	2.61071	2.732665	0.040914
0.844518	-1.18411	Exp_1Way	-1.51427	1.08	-0.2438	5.10939	4.86559	4.98749	0.0467
1.16917	1.16917	Exp_1Way	-1.08661	1.48535	0.225483	1.34996	1.57545	1.462705	0.018264
1.16959	1.16959	Exp_1Way	1.10404	1.23903	0.226002	3.31033	3.53633	3.42333	0.004835
1.16968	1.16968	Exp_1Way	1.04668	1.30713	0.226113	2.46227	2.68838	2.575325	0.049698
1.17016	1.17016	Exp_1Way	1.07325	1.27582	0.226706	3.91378	4.14049	4.027135	0.018529
1.17217	1.17217	Exp_1Way	1.05611	1.30098	0.22918	1.93002	2.1592	2.04461	0.006215
1.17328	1.17328	Exp_1Way	-1.06071	1.46015	0.230545	2.69984	2.93039	2.815115	0.039122
1.17422	1.17422	Exp_1Way	1.02216	1.3489	0.231701	4.48248	4.71418	4.59833	0.037636
1.17801	1.17801	Exp_1Way	1.00399	1.38221	0.236355	1.04773	1.28409	1.16591	0.042238
1.17858	1.17858	Exp_1Way	1.02952	1.34922	0.237052	4.03155	4.2686	4.150075	0.004162
1.17878	1.17878	Exp_1Way	1.02506	1.35556	0.237298	2.36478	2.60208	2.48343	0.026873
1.17968	1.17968	Exp_1Way	-1.02424	1.42538	0.238398	0.643932	0.88233	0.763131	0.031296
1.18298	1.18298	Exp_1Way	-1.03494	1.44836	0.242431	2.45366	2.69609	2.574875	0.02763
1.1877	1.1877	Exp_1Way	1.04816	1.3458	0.248166	3.53127	3.77943	3.65535	0.017416
1.19423	1.19423	Exp_1Way	1.03711	1.37516	0.256086	2.10274	2.35883	2.230785	0.020937
1.19846	1.19846	Exp_1Way	-1.0388	1.49203	0.261178	1.96713	2.22831	2.09772	0.02691
1.19896	1.19896	Exp_1Way	-1.12068	1.61098	0.261782	3.16716	3.42894	3.29805	0.040952
1.19952	1.19952	Exp_1Way	1.05385	1.36533	0.262459	2.17379	2.43625	2.30502	0.020816
1.20264	1.20264	Exp_1Way	-1.0086	1.45879	0.266205	2.76391	3.03011	2.89701	0.042369
1.20621	1.20621	Exp_1Way	1.02336	1.42173	0.27048	3.59886	3.86934	3.7341	0.004779
1.20806	1.20806	Exp_1Way	1.05887	1.37826	0.272691	1.01444	1.28713	1.150785	0.019247
1.20984	1.20984	Exp_1Way	1.1036	1.3263	0.274814	3.75236	4.02718	3.88977	0.010387
1.21327	1.21327	Exp_1Way	1.04035	1.41493	0.278901	1.53516	1.81406	1.67461	0.021411
1.21575	1.21575	Exp_1Way	-1.07321	1.58626	0.281851	2.95792	3.23977	3.098845	0.042387
1.21976	1.21976	Exp_1Way	1.0649	1.39714	0.286594	0.748549	1.03514	0.891845	0.014901
1.21976	1.21976	Exp_1Way	1.01536	1.46531	0.2866	3.06685	3.35345	3.21015	0.036788
1.22008	1.22008	Exp_1Way	1.06686	1.39529	0.286971	2.90408	3.19105	3.047565	0.032084
1.22404	1.22404	Exp_1Way	1.06775	1.4032	0.291646	1.19824	1.48988	1.34406	0.031908
1.22782	1.22782	Exp_1Way	1.07029	1.40855	0.296105	1.5974	1.8935	1.74545	0.032303
1.22828	1.22828	Exp_1Way	-1.02256	1.54271	0.296643	2.25629	2.55294	2.404615	0.021516
1.23127	1.23127	Exp_1Way	1.07521	1.40997	0.300142	0.288559	0.588701	0.43863	0.005279
1.23507	1.23507	Exp_1Way	1.01732	1.49943	0.304595	2.84615	3.15075	2.99845	0.037439
1.23653	1.23653	Exp_1Way	1.06051	1.44177	0.3063	3.43509	3.74139	3.58824	0.024928
1.23711	1.23711	Exp_1Way	1.07293	1.42641	0.306971	0.747053	1.05403	0.900542	0.005957
1.23773	1.23773	Exp_1Way	-1.00395	1.53802	0.307692	1.81481	2.1225	1.968655	0.021336
1.2399	1.2399	Exp_1Way	1.00238	1.5337	0.310224	8.33335	8.64357	8.48846	0.049806
1.2402	1.2402	Exp_1Way	-1.04898	1.61344	0.310575	2.9851	3.29567	3.140385	0.011427
1.24785	1.24785	Exp_1Way	-1.00729	1.56847	0.319439	1.79335	2.11279	1.95307	0.026072
1.24901	1.24901	Exp_1Way	-1.00478	1.56748	0.320783	5.58265	5.90343	5.74304	0.039631
1.2542	1.2542	Exp_1Way	-1.0062	1.58277	0.326769	1.56213	1.8889	1.725515	0.018171
1.25644	1.25644	Exp_1Way	1.1287	1.39864	0.329343	3.65408	3.98342	3.81875	0.013014
1.25754	1.25754	Exp_1Way	1.07697	1.46838	0.3306	3.08027	3.41087	3.24557	0.012299

1.26481	1.26481	Exp_1Way	1.04946	1.52434	0.338918	3.0183	3.35722	3.18776	0.024656
1.26487	1.26487	Exp_1Way	1.05244	1.52018	0.338994	4.959	5.29799	5.128495	0.025112
1.26595	1.26595	Exp_1Way	1.00503	1.59461	0.34022	3.0358	3.37602	3.20591	0.01542
1.27295	1.27295	Exp_1Way	-1.00931	1.63551	0.348181	4.93123	5.27941	5.10532	0.046764
1.27299	1.27299	Exp_1Way	1.08527	1.49317	0.348217	3.20854	3.55676	3.38265	0.043554
1.28047	1.28047	Exp_1Way	1.05632	1.55217	0.35667	3.3848	3.74147	3.563135	0.038275
1.28588	1.28588	Exp_1Way	1.04728	1.57885	0.36276	1.01119	1.37395	1.19257	0.049914
1.28786	1.28786	Exp_1Way	1.04169	1.59222	0.364981	3.29156	3.65654	3.47405	0.035071
1.29021	1.29021	Exp_1Way	1.01054	1.64727	0.367601	4.12013	4.48773	4.30393	0.048088
1.2903	1.2903	Exp_1Way	1.07961	1.5421	0.367706	2.97438	3.34209	3.158235	0.029104
1.29533	1.29533	Exp_1Way	-1.04637	1.75568	0.373321	2.22288	2.59619	2.409535	0.034033
1.29613	1.29613	Exp_1Way	-1.00175	1.68289	0.374212	0.15153	0.525742	0.338636	0.049754
1.29906	1.29906	Exp_1Way	-1.1416	1.92651	0.377467	1.12556	1.50303	1.314295	0.047884
1.30021	1.30021	Exp_1Way	1.04782	1.61338	0.378744	1.35416	1.73291	1.543535	0.004137
1.32358	1.32358	Exp_1Way	1.13436	1.54436	0.404445	2.88256	3.287	3.08478	0.005564
1.33278	1.33278	Exp_1Way	1.01278	1.7539	0.414444	0.476575	0.891019	0.683797	0.028702
1.34546	1.34546	Exp_1Way	1.21598	1.48874	0.428102	3.50021	3.92831	3.71426	0.001548
1.3477	1.3477	Exp_1Way	1.08077	1.68057	0.430504	1.28509	1.71559	1.50034	0.023505
1.34855	1.34855	Exp_1Way	1.09162	1.66595	0.43141	3.00639	3.4378	3.222095	0.009007
1.35415	1.35415	Exp_1Way	-1.038	1.90341	0.437388	1.78553	2.22292	2.004225	0.020761
1.35617	1.35617	Exp_1Way	-1.08508	1.99567	0.439535	2.50588	2.94542	2.72565	0.038963
1.35684	1.35684	Exp_1Way	1.13393	1.62356	0.440246	1.4609	1.90115	1.681025	0.009277
1.35688	1.35688	Exp_1Way	-1.01418	1.86722	0.440292	0.374736	0.815028	0.594882	0.010423
1.35914	1.35914	Exp_1Way	1.09334	1.68956	0.442691	5.74682	6.18951	5.968165	0.020326
1.3651	1.3651	Exp_1Way	-1.37949	2.57069	0.449011	0.655691	1.1047	0.880196	0.010845
1.36879	1.36879	Exp_1Way	1.00923	1.85645	0.4529	5.09076	5.54366	5.31721	0.03856
1.37036	1.37036	Exp_1Way	1.17591	1.59696	0.454553	1.94116	2.39572	2.16844	0.018842
1.372	1.372	Exp_1Way	1.07136	1.757	0.45628	1.5921	2.04838	1.82024	0.02806
1.38113	1.38113	Exp_1Way	1.0765	1.77196	0.465846	0.87288	1.33873	1.105805	0.003443
1.39067	1.39067	Exp_1Way	1.04981	1.84221	0.47578	-0.13415	0.341628	0.103738	0.041868
1.39967	1.39967	Exp_1Way	1.08969	1.79784	0.48509	5.33205	5.81715	5.5746	0.032093
1.40525	1.40525	Exp_1Way	1.0847	1.82052	0.490823	0.43161	0.922432	0.677021	0.038316
1.40528	1.40528	Exp_1Way	-1.05706	2.08749	0.490856	2.24305	2.73391	2.48848	0.032513
1.41517	1.41517	Exp_1Way	1.16677	1.71646	0.500976	0.156777	0.657752	0.407265	0.031399
1.41752	1.41752	Exp_1Way	1.07933	1.86167	0.503369	4.1269	4.63027	4.378585	0.042258
1.43519	1.43519	Exp_1Way	-1.05144	2.16573	0.521241	7.63148	8.15272	7.8921	0.026572
1.43583	1.43583	Exp_1Way	1.09881	1.87623	0.521887	0.752021	1.27391	1.012966	0.036016
1.43591	1.43591	Exp_1Way	1.1316	1.82206	0.521968	-0.15228	0.369688	0.108704	0.025643
1.44361	1.44361	Exp_1Way	1.01252	2.05825	0.529685	2.43479	2.96447	2.69963	0.031761
1.45337	1.45337	Exp_1Way	-1.00849	2.13021	0.539398	5.04904	5.58844	5.31874	0.044633
1.45448	1.45448	Exp_1Way	1.01795	2.07819	0.5405	4.12229	4.66279	4.39254	0.039124
1.45753	1.45753	Exp_1Way	1.01515	2.09267	0.543522	2.29527	2.8388	2.567035	0.010402
1.4695	1.4695	Exp_1Way	1.02754	2.10157	0.555329	0.445795	1.00112	0.723458	0.018276
1.48299	1.48299	Exp_1Way	1.04772	2.09909	0.56851	1.50676	2.07527	1.791015	0.021657
1.50702	1.50702	Exp_1Way	1.07162	2.11931	0.591696	4.94938	5.54108	5.24523	0.021799
1.50743	1.50743	Exp_1Way	1.09326	2.0785	0.592093	0.613544	1.20564	0.909592	0.018803
1.50925	1.50925	Exp_1Way	-1.03747	2.36317	0.593828	-0.05828	0.535548	0.238634	0.046147

1.51847	1.51847	Exp_1Way	1.15861	1.9901	0.602617	4.56553	5.16815	4.86684	0.037496
1.51877	1.51877	Exp_1Way	1.02085	2.25953	0.6029	2.9952	3.5981	3.29665	0.039734
1.53285	1.53285	Exp_1Way	1.11592	2.10555	0.616216	2.44449	3.0607	2.752595	0.010422
1.54184	1.54184	Exp_1Way	1.16171	2.04636	0.624656	2.58736	3.21201	2.899685	0.008687
1.54803	1.54803	Exp_1Way	1.28058	1.87133	0.630431	0.603261	1.23369	0.918476	0.007328
1.58125	1.58125	Exp_1Way	1.0465	2.38924	0.661064	0.669674	1.33074	1.000207	0.048929
1.58939	1.58939	Exp_1Way	1.09212	2.31307	0.668473	0.779203	1.44768	1.113442	0.00545
1.61048	1.61048	Exp_1Way	1.17249	2.21209	0.687494	3.10953	3.79702	3.453275	0.039531
1.70491	1.70491	Exp_1Way	1.25033	2.32477	0.769697	0.104156	0.873853	0.489005	0.010914
1.74546	1.74546	Exp_1Way	-1.06982	3.25936	0.80361	3.25413	4.05774	3.655935	0.041725
1.74682	1.74682	Exp_1Way	1.01229	3.01434	0.804734	0.947363	1.7521	1.349732	0.03851
1.77403	1.77403	Exp_1Way	1.0044	3.13339	0.827029	-0.01093	0.816101	0.402587	0.004684
1.80566	1.80566	Exp_1Way	1.42985	2.28024	0.852527	2.55238	3.4049	2.97864	0.006491
1.87656	1.87656	Exp_1Way	1.05511	3.33754	0.908091	2.71736	3.62545	3.171405	0.006058
2.01666	2.01666	Exp_1Way	-1.03872	4.2244	1.01197	2.27628	3.28825	2.782265	0.046043
2.01844	2.01844	Exp_1Way	1.28729	3.16489	1.01324	1.56918	2.58242	2.0758	0.023282
2.0453	2.0453	Exp_1Way	1.33196	3.14067	1.03231	2.53058	3.56289	3.046735	0.040409
2.06604	2.06604	Exp_1Way	1.38376	3.08471	1.04687	2.16992	3.21678	2.69335	0.004584
2.08784	2.08784	Exp_1Way	1.06243	4.10292	1.06201	5.44301	6.50502	5.974015	0.039498
2.09631	2.09631	Exp_1Way	1.47985	2.96955	1.06785	1.28414	2.35199	1.818065	0.00324
2.116	2.116	Exp_1Way	-1.08242	4.84649	1.08134	0.770828	1.85217	1.311499	0.015066
2.16083	2.16083	Exp_1Way	1.1736	3.97852	1.11159	1.63723	2.74882	2.193025	0.032076
2.1673	2.1673	Exp_1Way	1.23874	3.79188	1.1159	3.56074	4.67664	4.11869	0.008676
2.22769	2.22769	Exp_1Way	1.48291	3.34652	1.15555	2.82606	3.98161	3.403835	0.022107
2.23166	2.23166	Exp_1Way	1.17344	4.2442	1.15812	0.301505	1.45962	0.880563	0.034947
2.6712	2.6712	Exp_1Way	1.57521	4.52976	1.41749	0.001767	1.41925	0.710509	0.002971

Exp_Paired-2Way vs. Cont (ratio)	Exp_Paired-2Way vs. Cont Lin(FC)	Exp_Paired-2Way vs. Cont (Description)	Exp_Paired-2Way vs. Cont 95% lower limit	Exp_Paired-2Way vs. Cont 95% upper limit	Exp_Paired-2Way vs. Cont Log2(FC)	Symbol (original)	Gene Symbol (consensus Apr-17)	Gene Name (consensus Apr-17)	Entrez GeneID (updated April-17)
0.388954	-2.571	Exp_Paired	-5.68268	-1.16319	-1.36233	LOC38933	LOC38933	uncharacte	389332
0.48628	-2.05643	Exp_Paired	-3.38684	-1.24863	-1.04014	CORO2B	CORO2B	coronin 2B	10391
0.490042	-2.04064	Exp_Paired	-3.6272	-1.14805	-1.02902	PRUNE2	PRUNE2	prune hom	158471
0.49765	-2.00945	Exp_Paired	-3.62216	-1.11477	-1.0068	COLEC12	COLEC12	collectin su	81035
0.499556	-2.00178	Exp_Paired	-3.44946	-1.16166	-1.00128	SLC6A4	SLC6A4	solute carr	6532
0.512401	-1.9516	Exp_Paired	-2.98937	-1.27409	-0.96466	CENPA	CENPA	centromer	1058
0.512997	-1.94933	Exp_Paired	-2.80904	-1.35274	-0.96298	SYNE1	SYNE1	spectrin re	23345
0.53295	-1.87635	Exp_Paired	-2.93298	-1.20038	-0.90793	MCAM	MCAM	melanoma	4162
0.553832	-1.8056	Exp_Paired	-2.80414	-1.16264	-0.85248	LOC72855	LOC72855	THO comp	728554
0.554311	-1.80404	Exp_Paired	-2.19537	-1.48247	-0.85123	TRIM16L	TRIM16L	tripartite r	147166
0.569076	-1.75723	Exp_Paired	-2.90463	-1.06308	-0.81331	NBEA	NBEA	neurobeac	26960
0.572241	-1.74751	Exp_Paired	-2.44726	-1.24785	-0.8053	BASP1	BASP1	brain abun	10409
0.575559	-1.73744	Exp_Paired	-2.94797	-1.02399	-0.79696	HIST2H3D	HIST2H3D	histone clu	653604
0.576619	-1.73425	Exp_Paired	-2.58055	-1.16549	-0.79431	ZNF124	ZNF124	zinc finger	7678
0.587896	-1.70098	Exp_Paired	-2.57401	-1.12406	-0.76637	SIAH3	SIAH3	siah E3 ubi	283514
0.588012	-1.70065	Exp_Paired	-2.54581	-1.13606	-0.76608	BEND5	BEND5	BEN doma	79656
0.589071	-1.69759	Exp_Paired	-2.21612	-1.30038	-0.76349	ITGB3BP	ITGB3BP	integrin su	23421
0.591963	-1.68929	Exp_Paired	-2.51315	-1.13551	-0.75642	WNT10A	WNT10A	Wnt family	80326
0.592219	-1.68857	Exp_Paired	-2.55409	-1.11635	-0.7558	COL12A1	COL12A1	collagen ty	1303
0.609097	-1.64177	Exp_Paired	-2.15391	-1.25141	-0.71526	APBA1	APBA1	amyloid be	320
0.610299	-1.63854	Exp_Paired	-2.34241	-1.14618	-0.71241	LOC10537	LOC10537	translation	1.05E+08
0.610647	-1.63761	Exp_Paired	-2.39077	-1.12171	-0.71159	TRNL1	TRNL1	tRNA	4567
0.613115	-1.63101	Exp_Paired	-2.29272	-1.16028	-0.70577	LOC10537	LOC10537	uncharacte	1.05E+08
0.616566	-1.62189	Exp_Paired	-2.08829	-1.25965	-0.69767	CIT	CIT	citron rho-	11113
0.620073	-1.61271	Exp_Paired	-2.30202	-1.12981	-0.68949	LINC00235	LINC00235	long interg	64493
0.627069	-1.59472	Exp_Paired	-2.17877	-1.16724	-0.6733	DLX3	DLX3	distal-less	1747
0.629495	-1.58858	Exp_Paired	-2.24111	-1.12604	-0.66773	TRNG	TRNG	tRNA	4563
0.630167	-1.58688	Exp_Paired	-2.35577	-1.06895	-0.66619	CD83	CD83	CD83 mole	9308
0.63264	-1.58068	Exp_Paired	-2.09015	-1.19539	-0.66054	ME1	ME1	malic enzy	4199
0.635115	-1.57452	Exp_Paired	-2.2658	-1.09414	-0.65491	RAI2	RAI2	retinoic ac	10742
0.635884	-1.57261	Exp_Paired	-2.2381	-1.10501	-0.65316	CPVL	CPVL	carboxype	54504
0.644096	-1.55256	Exp_Paired	-2.37956	-1.01298	-0.63465	MIR4523	MIR4523	microRNA	1.01E+08
0.644258	-1.55217	Exp_Paired	-2.30048	-1.04728	-0.63429	CDC42EP3	CDC42EP3	CDC42 effe	10602
0.645218	-1.54986	Exp_Paired	-2.04188	-1.17641	-0.63214	CAP2	CAP2	CAP, adeny	10486
0.645432	-1.54935	Exp_Paired	-2.06044	-1.16504	-0.63166	ND4L	ND4L	NADH deh	4539
0.646709	-1.54629	Exp_Paired	-2.22107	-1.07652	-0.62881	RCBTB1	RCBTB1	RCC1 and I	55213
0.649667	-1.53925	Exp_Paired	-2.00112	-1.18398	-0.62223	TRAM2-AS	TRAM2-AS	TRAM2 an	401264
0.65756	-1.52077	Exp_Paired	-2.12725	-1.0872	-0.60481	CXCL14	CXCL14	C-X-C moti	9547
0.659989	-1.51518	Exp_Paired	-2.02762	-1.13224	-0.59949	FAM171A1	FAM171A1	family with	221061
0.663962	-1.50611	Exp_Paired	-2.09907	-1.08065	-0.59083	SLC7A8	SLC7A8	solute carr	23428
0.668779	-1.49526	Exp_Paired	-2.20474	-1.01409	-0.5804	NREP	NREP	neuronal r	9315

0.671857	-1.48841	Exp_Paired	-1.94834	-1.13705	-0.57377	RPL7AP45	RPL7AP45	ribosomal	1E+08
0.680987	-1.46846	Exp_Paired	-2.01004	-1.0728	-0.5543	TRPM6	TRPM6	transient r	140803
0.685178	-1.45948	Exp_Paired	-1.98376	-1.07375	-0.54545	SLC16A12	SLC16A12	solute carr	387700
0.689544	-1.45023	Exp_Paired	-1.7058	-1.23296	-0.53629	NUP93	NUP93	nucleopori	9688
0.690411	-1.44841	Exp_Paired	-2.04971	-1.02351	-0.53447	JAZF1	JAZF1	JAZF zinc fi	221895
0.69336	-1.44225	Exp_Paired	-2.04091	-1.0192	-0.52832	SPARC	SPARC	secreted p	6678
0.699581	-1.42943	Exp_Paired	-1.82067	-1.12226	-0.51544	OPN3	OPN3	opsin 3	23596
0.701713	-1.42508	Exp_Paired	-1.75344	-1.15821	-0.51105	THOC3	THOC3	THO comp	84321
0.70433	-1.41979	Exp_Paired	-1.73436	-1.16227	-0.50568	LOC10798	LOC10798	uncharacte	1.08E+08
0.709532	-1.40938	Exp_Paired	-1.9541	-1.0165	-0.49506	LOC10065	LOC10065	uncharacte	1.01E+08
0.71103	-1.40641	Exp_Paired	-1.87655	-1.05406	-0.49202	SHISA4	SHISA4	shisa famil	149345
0.711892	-1.40471	Exp_Paired	-1.81792	-1.08541	-0.49027	C9orf40	C9orf40	chromosor	55071
0.719314	-1.39021	Exp_Paired	-1.54013	-1.25489	-0.47531	IPO5	IPO5	importin 5	3843
0.72122	-1.38654	Exp_Paired	-1.60486	-1.19792	-0.47149	HOMER3	HOMER3	homer sca	9454
0.721564	-1.38588	Exp_Paired	-1.89966	-1.01105	-0.4708	POLR2A	POLR2A	RNA polym	5430
0.722221	-1.38462	Exp_Paired	-1.75535	-1.09219	-0.46949	CCNB1IP1	CCNB1IP1	cyclin B1 ir	57820
0.722883	-1.38335	Exp_Paired	-1.84111	-1.0394	-0.46817	NEIL2	NEIL2	nei like DN	252969
0.723192	-1.38276	Exp_Paired	-1.78946	-1.06849	-0.46755	ESRRG	ESRRG	estrogen r	2104
0.723458	-1.38225	Exp_Paired	-1.76484	-1.0826	-0.46702	C1orf53	C1orf53	chromosor	388722
0.723771	-1.38165	Exp_Paired	-1.85946	-1.02662	-0.46639	HENMT1	HENMT1	HEN1 meth	113802
0.724345	-1.38056	Exp_Paired	-1.84588	-1.03254	-0.46525	MAB21L1	MAB21L1	mab-21 lik	4081
0.725767	-1.37785	Exp_Paired	-1.76034	-1.07847	-0.46242	MAN1C1	MAN1C1	mannosida	57134
0.725833	-1.37773	Exp_Paired	-1.54699	-1.22699	-0.46229	CDNF	CDNF	cerebral de	441549
0.726018	-1.37738	Exp_Paired	-1.78199	-1.06463	-0.46192	PHLPP2	PHLPP2	PH domain	23035
0.727942	-1.37374	Exp_Paired	-1.65153	-1.14267	-0.4581	WNK1	WNK1	WNK lysine	65125
0.728213	-1.37322	Exp_Paired	-1.81065	-1.04147	-0.45757	GNB5	GNB5	G protein s	10681
0.728435	-1.37281	Exp_Paired	-1.65299	-1.14012	-0.45713	SLC6A17	SLC6A17	solute carr	388662
0.728496	-1.37269	Exp_Paired	-1.61271	-1.16839	-0.45701	SLC38A4	SLC38A4	solute carr	55089
0.729247	-1.37128	Exp_Paired	-1.71849	-1.09422	-0.45552	WASF3	WASF3	WAS prote	10810
0.732378	-1.36542	Exp_Paired	-1.80199	-1.03461	-0.44934	LFNG	LFNG	LFNG O-fu	3955
0.732806	-1.36462	Exp_Paired	-1.78365	-1.04403	-0.4485	ND6	ND6	NADH deh	4541
0.734161	-1.3621	Exp_Paired	-1.78265	-1.04076	-0.44583	DOCK8	DOCK8	dedicator c	81704
0.735717	-1.35922	Exp_Paired	-1.83086	-1.00908	-0.44278	HIST1H2BC	HIST1H2BC	histone clu	8347
0.736056	-1.35859	Exp_Paired	-1.44603	-1.27644	-0.44211	MN1	MN1	MN1 proto	4330
0.742939	-1.34601	Exp_Paired	-1.75733	-1.03096	-0.42869	FJX1	FJX1	four jointe	24147
0.749933	-1.33345	Exp_Paired	-1.77542	-1.00151	-0.41517	TP53TG1	TP53TG1	TP53 targe	11257
0.750905	-1.33173	Exp_Paired	-1.68675	-1.05143	-0.4133	LAGE3	LAGE3	L antigen f	8270
0.753529	-1.32709	Exp_Paired	-1.66659	-1.05675	-0.40827	COPS8	COPS8	COP9 signa	10920
0.754026	-1.32621	Exp_Paired	-1.57586	-1.11612	-0.40731	LOC10028	LOC10028	uncharacte	1E+08
0.757037	-1.32094	Exp_Paired	-1.57528	-1.10766	-0.40156	QSER1	QSER1	glutamine	79832
0.75937	-1.31688	Exp_Paired	-1.67371	-1.03613	-0.39713	ENDOG	ENDOG	endonucle	2021
0.759523	-1.31662	Exp_Paired	-1.54414	-1.12262	-0.39683	GCSH	GCSH	glycine cle	2653
0.761344	-1.31347	Exp_Paired	-1.65237	-1.04407	-0.39338	APOM	APOM	apolipopro	55937
0.76335	-1.31002	Exp_Paired	-1.64981	-1.0402	-0.38958	PDS5B	PDS5B	PDS5 cohe	23047
0.764228	-1.30851	Exp_Paired	-1.67109	-1.0246	-0.38793	ZNF501	ZNF501	zinc finger	115560
0.767132	-1.30356	Exp_Paired	-1.68375	-1.00921	-0.38245	CCDC109B	MCUB	mitochond	55013
0.767693	-1.3026	Exp_Paired	-1.67429	-1.01343	-0.3814	ZNF181	ZNF181	zinc finger	339318

0.769128	-1.30017	Exp_Paired	-1.61669	-1.04563	-0.3787	ATF7IP2	ATF7IP2	activating	80063
0.769634	-1.29932	Exp_Paired	-1.43067	-1.18002	-0.37776	LOC10537	LOC10537	uncharacte	1.05E+08
0.76985	-1.29895	Exp_Paired	-1.5015	-1.12373	-0.37735	TLN2	TLN2	talin 2	83660
0.77132	-1.29648	Exp_Paired	-1.68059	-1.00016	-0.3746	NENF	NENF	neudesin r	29937
0.77224	-1.29493	Exp_Paired	-1.63341	-1.0266	-0.37288	ADI1	ADI1	acireducto	55256
0.772661	-1.29423	Exp_Paired	-1.6024	-1.04532	-0.37209	G6PD	G6PD	glucose-6-	2539
0.772793	-1.29401	Exp_Paired	-1.57775	-1.06129	-0.37185	HEG1	HEG1	heart deve	57493
0.775932	-1.28877	Exp_Paired	-1.5985	-1.03906	-0.366	MACF1	MACF1	microtubu	23499
0.775982	-1.28869	Exp_Paired	-1.54659	-1.07379	-0.3659	GSTA4	GSTA4	glutathion	2941
0.776121	-1.28846	Exp_Paired	-1.65269	-1.0045	-0.36565	TBC1D31	TBC1D31	TBC1 dom	93594
0.776593	-1.28768	Exp_Paired	-1.5823	-1.04791	-0.36477	DFFB	DFFB	DNA fragm	1677
0.778719	-1.28416	Exp_Paired	-1.44203	-1.14357	-0.36083	DOCK5	DOCK5	dedicator	80005
0.779581	-1.28274	Exp_Paired	-1.64378	-1.001	-0.35923	BOC	BOC	BOC cell a	91653
0.779773	-1.28243	Exp_Paired	-1.5657	-1.0504	-0.35888	DGKH	DGKH	diacylglyce	160851
0.783821	-1.2758	Exp_Paired	-1.61698	-1.00661	-0.3514	MPP6	MPP6	membrane	51678
0.789881	-1.26601	Exp_Paired	-1.55269	-1.03226	-0.34029	TSPAN15	TSPAN15	tetraspani	23555
0.790002	-1.26582	Exp_Paired	-1.52627	-1.04981	-0.34007	C1QBP	C1QBP	compleme	708
0.790304	-1.26534	Exp_Paired	-1.56523	-1.0229	-0.33952	COMMD3	COMMD3	COMM do	23412
0.791502	-1.26342	Exp_Paired	-1.52673	-1.04553	-0.33734	MTATP6P1	MTATP6P1	mitochonc	1.06E+08
0.792063	-1.26253	Exp_Paired	-1.55283	-1.02649	-0.33631	ACOT2	ACOT2	acyl-CoA th	10965
0.793926	-1.25956	Exp_Paired	-1.53388	-1.03431	-0.33292	ACAT2	ACAT2	acetyl-CoA	39
0.795198	-1.25755	Exp_Paired	-1.48038	-1.06826	-0.33061	RPA3	RPA3	replication	6119
0.796051	-1.2562	Exp_Paired	-1.55293	-1.01617	-0.32907	TMEM231	TMEM231	transmem	79583
0.796339	-1.25575	Exp_Paired	-1.49694	-1.05342	-0.32855	HUWE1	HUWE1	HECT, UBA	10075
0.798464	-1.2524	Exp_Paired	-1.52803	-1.0265	-0.3247	AP2B1	AP2B1	adaptor re	163
0.798931	-1.25167	Exp_Paired	-1.48023	-1.05841	-0.32386	ALMS1	ALMS1	ALMS1, ce	7840
0.799014	-1.25154	Exp_Paired	-1.41479	-1.10714	-0.32371	SRXN1	SRXN1	sulfiredoxi	140809
0.80103	-1.24839	Exp_Paired	-1.44202	-1.08076	-0.32007	AGAP1	AGAP1	ArfGAP wi	116987
0.801392	-1.24783	Exp_Paired	-1.38911	-1.12091	-0.31942	NDN	NDN	necdin, MA	4692
0.802644	-1.24588	Exp_Paired	-1.53139	-1.01361	-0.31717	ARL16	ARL16	ADP ribosy	339231
0.803094	-1.24518	Exp_Paired	-1.48015	-1.04752	-0.31636	FOCAD	FOCAD	focadhesir	54914
0.803609	-1.24439	Exp_Paired	-1.4866	-1.04164	-0.31543	ZNF688	ZNF688	zinc finger	146542
0.804741	-1.24264	Exp_Paired	-1.40518	-1.09889	-0.3134	TLN1	TLN1	talin 1	7094
0.805052	-1.24216	Exp_Paired	-1.49067	-1.03507	-0.31285	PROSC	PLPBP	pyridoxal p	11212
0.805637	-1.24125	Exp_Paired	-1.51216	-1.01888	-0.3118	ANAPC15	ANAPC15	anaphase p	25906
0.805851	-1.24092	Exp_Paired	-1.52016	-1.01298	-0.31142	F8	F8	coagulatio	2157
0.806098	-1.24054	Exp_Paired	-1.52961	-1.00611	-0.31097	YBX1	YBX1	Y-box bind	4904
0.806154	-1.24046	Exp_Paired	-1.50877	-1.01986	-0.31087	GS1-259H1	TMEM225	transmem	1E+08
0.806311	-1.24022	Exp_Paired	-1.50951	-1.01897	-0.31059	NAP1L2	NAP1L2	nucleosom	4674
0.806443	-1.24001	Exp_Paired	-1.48643	-1.03445	-0.31036	ATP6	ATP6	ATP syntha	4508
0.806453	-1.24	Exp_Paired	-1.51545	-1.01461	-0.31034	TYW3	TYW3	tRNA-yW s	127253
0.806752	-1.23954	Exp_Paired	-1.46272	-1.05041	-0.3098	TRRAP	TRRAP	transforma	8295
0.807242	-1.23879	Exp_Paired	-1.37348	-1.1173	-0.30893	RFWD3	RFWD3	ring finger	55159
0.807958	-1.23769	Exp_Paired	-1.48586	-1.03097	-0.30765	MRPL54	MRPL54	mitochonc	116541
0.808693	-1.23656	Exp_Paired	-1.43184	-1.06792	-0.30634	EHBP1	EHBP1	EH domain	23301
0.808754	-1.23647	Exp_Paired	-1.42312	-1.0743	-0.30623	NF1	NF1	neurofibro	4763
0.809131	-1.23589	Exp_Paired	-1.42057	-1.07522	-0.30555	KIF22	KIF22	kinesin fan	3835

0.809989	-1.23459	Exp_Paired	-1.45756	-1.04572	-0.30403	PTRH1	PTRH1	peptidyl-tF	138428
0.810987	-1.23307	Exp_Paired	-1.45715	-1.04344	-0.30225	C5orf42	C5orf42	chromosor	65250
0.813632	-1.22906	Exp_Paired	-1.44756	-1.04354	-0.29755	CREB3L4	CREB3L4	cAMP resp	148327
0.814403	-1.22789	Exp_Paired	-1.46558	-1.02875	-0.29619	CDV3	CDV3	CDV3 hom	55573
0.81461	-1.22758	Exp_Paired	-1.48927	-1.01188	-0.29582	SGTB	SGTB	small gluta	54557
0.815153	-1.22676	Exp_Paired	-1.4987	-1.00417	-0.29486	SNRPG	SNRPG	small nucle	6637
0.815884	-1.22567	Exp_Paired	-1.45712	-1.03098	-0.29357	TANC2	TANC2	tetratricop	26115
0.816692	-1.22445	Exp_Paired	-1.49751	-1.00118	-0.29214	H2AFZ	H2AFZ	H2A histor	3015
0.81692	-1.22411	Exp_Paired	-1.40729	-1.06477	-0.29173	PKD2	PKD2	polycystin	5311
0.817036	-1.22394	Exp_Paired	-1.43892	-1.04107	-0.29153	HIST4H4	HIST4H4	histone clu	121504
0.819793	-1.21982	Exp_Paired	-1.36276	-1.09187	-0.28667	BOD1	BOD1	biorientati	91272
0.820424	-1.21888	Exp_Paired	-1.39853	-1.06231	-0.28556	ALKBH7	ALKBH7	alkB homo	84266
0.820885	-1.2182	Exp_Paired	-1.43838	-1.03172	-0.28475	YBX3	YBX3	Y-box bind	8531
0.821063	-1.21793	Exp_Paired	-1.40505	-1.05574	-0.28444	FDFT1	FDFT1	farnesyl-di	2222
0.821251	-1.21765	Exp_Paired	-1.4202	-1.044	-0.2841	SLC25A33	SLC25A33	solute carr	84275
0.821344	-1.21752	Exp_Paired	-1.44236	-1.02772	-0.28394	SIVA1	SIVA1	SIVA1 apo	10572
0.821966	-1.2166	Exp_Paired	-1.44076	-1.02731	-0.28285	SDF2L1	SDF2L1	stromal ce	23753
0.821983	-1.21657	Exp_Paired	-1.32072	-1.12063	-0.28282	SNX29	SNX29	sorting nex	92017
0.822863	-1.21527	Exp_Paired	-1.46631	-1.0072	-0.28128	MAPKBP1	MAPKBP1	mitogen-a	23005
0.824144	-1.21338	Exp_Paired	-1.34404	-1.09543	-0.27903	PYCR2	PYCR2	pyrroline-5	29920
0.824557	-1.21277	Exp_Paired	-1.40286	-1.04844	-0.27831	NFIB	NFIB	nuclear fac	4781
0.827289	-1.20877	Exp_Paired	-1.38109	-1.05794	-0.27354	UTRN	UTRN	utrophin	7402
0.828237	-1.20738	Exp_Paired	-1.35717	-1.07413	-0.27188	ZNF496	ZNF496	zinc finger	84838
0.828469	-1.20705	Exp_Paired	-1.38146	-1.05465	-0.27148	P3H1	P3H1	prolyl 3-hy	64175
0.828638	-1.2068	Exp_Paired	-1.38184	-1.05394	-0.27119	ABHD17B	ABHD17B	abhydrolas	51104
0.829099	-1.20613	Exp_Paired	-1.41158	-1.03058	-0.27038	ZNF14	ZNF14	zinc finger	7561
0.829858	-1.20503	Exp_Paired	-1.41214	-1.02829	-0.26906	SMU1	SMU1	DNA replic	55234
0.829922	-1.20493	Exp_Paired	-1.40647	-1.03227	-0.26895	PSME4	PSME4	proteasom	23198
0.830179	-1.20456	Exp_Paired	-1.4437	-1.00503	-0.26851	TENM4	TENM4	teneurin tr	26011
0.830457	-1.20416	Exp_Paired	-1.44442	-1.00386	-0.26802	LSM4	LSM4	LSM4 hom	25804
0.831191	-1.20309	Exp_Paired	-1.32642	-1.09124	-0.26675	UGGT2	UGGT2	UDP-gluco	55757
0.831295	-1.20294	Exp_Paired	-1.38642	-1.04375	-0.26657	MALSU1	MALSU1	mitochonc	115416
0.831713	-1.20234	Exp_Paired	-1.40773	-1.02691	-0.26584	CARF	CARF	calcium re	79800
0.832088	-1.2018	Exp_Paired	-1.43473	-1.00668	-0.26519	ZNF514	ZNF514	zinc finger	84874
0.832194	-1.20164	Exp_Paired	-1.43956	-1.00305	-0.26501	POLD2	POLD2	DNA polyn	5425
0.832203	-1.20163	Exp_Paired	-1.40267	-1.02941	-0.26499	HINT2	HINT2	histidine tr	84681
0.832279	-1.20152	Exp_Paired	-1.37649	-1.04879	-0.26486	MPC1	MPC1	mitochonc	51660
0.832608	-1.20104	Exp_Paired	-1.4265	-1.01122	-0.26429	MSX2	MSX2	msh home	4488
0.832684	-1.20094	Exp_Paired	-1.36826	-1.05408	-0.26416	PCNX2	PCNX2	pecanex h	80003
0.833401	-1.1999	Exp_Paired	-1.4319	-1.00549	-0.26292	ZNF420	ZNF420	zinc finger	147923
0.833493	-1.19977	Exp_Paired	-1.34943	-1.06671	-0.26276	HSD17B1	HSD17B1	hydroxyste	3292
0.835565	-1.19679	Exp_Paired	-1.41283	-1.01379	-0.25918	PRUNE	PRUNE1	prune exo	58497
0.837992	-1.19333	Exp_Paired	-1.39288	-1.02237	-0.25499	PSMG4	PSMG4	proteasom	389362
0.839333	-1.19142	Exp_Paired	-1.35045	-1.05112	-0.25268	ZNF658	ZNF658	zinc finger	26149
0.839686	-1.19092	Exp_Paired	-1.39959	-1.01336	-0.25208	ANKRD46	ANKRD46	ankyrin re	157567
0.840502	-1.18976	Exp_Paired	-1.41386	-1.00119	-0.25068	HIST2H2A(	HIST2H2A(	histone clu	8338
0.841187	-1.1888	Exp_Paired	-1.40205	-1.00798	-0.2495	IFT27	IFT27	intraflagell	11020

0.842108	-1.1875	Exp_Paired	-1.40058	-1.00683	-0.24792	BEX2	BEX2	brain expr	84707
0.842932	-1.18634	Exp_Paired	-1.29822	-1.0841	-0.24651	CYB5D2	CYB5D2	cytochrom	124936
0.84306	-1.18615	Exp_Paired	-1.37594	-1.02255	-0.24629	PCBD1	PCBD1	pterin-4 al	5092
0.843728	-1.18522	Exp_Paired	-1.341	-1.04753	-0.24515	PEX2	PEX2	peroxisom	5828
0.844456	-1.18419	Exp_Paired	-1.38653	-1.01138	-0.24391	ADNP	ADNP	activity de	23394
0.844518	-1.18411	Exp_Paired	-1.39653	-1.004	-0.2438	ATP5G1	ATP5G1	ATP synth	516
1.16917	1.16917	Exp_Paired	1.04462	1.30857	0.225484	N6AMT1	N6AMT1	N-6 adenir	29104
1.16959	1.16959	Exp_Paired	1.08293	1.26319	0.226002	LIMS1	LIMS1	LIM zinc fi	3987
1.16968	1.16968	Exp_Paired	1.00033	1.36769	0.226112	SMC6	SMC6	structural	79677
1.17016	1.17016	Exp_Paired	1.04435	1.31113	0.226706	FAM135A	FAM135A	family with	57579
1.17217	1.17217	Exp_Paired	1.07805	1.2745	0.22918	ZNF513	ZNF513	zinc finger	130557
1.17328	1.17328	Exp_Paired	1.01302	1.35889	0.230548	ARFGAP1	ARFGAP1	ADP ribosy	55738
1.17422	1.17422	Exp_Paired	1.01502	1.35838	0.2317	BRD2	BRD2	bromodon	6046
1.17801	1.17801	Exp_Paired	1.00935	1.37486	0.236355	ZFP1	ZFP1	ZFP1 zinc f	162239
1.17858	1.17858	Exp_Paired	1.0907	1.27354	0.23705	FZD6	FZD6	frizzled cla	8323
1.17878	1.17878	Exp_Paired	1.03128	1.34738	0.237298	GCC2	GCC2	GRIP and c	9648
1.17968	1.17968	Exp_Paired	1.02449	1.35838	0.238398	TVP23C	TVP23C	trans-golgi	201158
1.18299	1.18299	Exp_Paired	1.03072	1.35775	0.242434	TPST2	TPST2	tyrosylpro	8459
1.1877	1.1877	Exp_Paired	1.05108	1.34206	0.248166	MET	MET	MET proto	4233
1.19423	1.19423	Exp_Paired	1.04509	1.36466	0.256086	FAM83H-A	FAM83H-A	FAM83H a	1E+08
1.19846	1.19846	Exp_Paired	1.03442	1.38851	0.261178	FAM156B	FAM156B	family with	727866
1.19896	1.19896	Exp_Paired	1.01217	1.42023	0.261786	DAPK1	DAPK1	death asso	1612
1.19952	1.19952	Exp_Paired	1.0465	1.37493	0.262462	PDDC1	GATD1	glutamine	347862
1.20264	1.20264	Exp_Paired	1.01035	1.43153	0.266204	NOTCH2	NOTCH2	notch 2	4853
1.20621	1.20621	Exp_Paired	1.10037	1.32224	0.270482	NUCB1	NUCB1	nucleobinc	4924
1.20806	1.20806	Exp_Paired	1.0519	1.3874	0.272691	FCHSD1	FCHSD1	FCH and d	89848
1.20984	1.20984	Exp_Paired	1.07718	1.35883	0.274816	ATP8B1	ATP8B1	ATPase ph	5205
1.21327	1.21327	Exp_Paired	1.04815	1.40441	0.278904	LRSAM1	LRSAM1	leucine ric	90678
1.21575	1.21575	Exp_Paired	1.01093	1.46207	0.28185	TCEA3	TCEA3	transcripti	6920
1.21976	1.21976	Exp_Paired	1.06609	1.39557	0.286592	SPIN3	SPIN3	spindlin fa	169981
1.21976	1.21976	Exp_Paired	1.02001	1.45864	0.286602	CHPF2	CHPF2	chondroiti	54480
1.22008	1.22008	Exp_Paired	1.02813	1.44785	0.28697	CADM4	CADM4	cell adhesi	199731
1.22403	1.22403	Exp_Paired	1.02892	1.45615	0.291644	ALG1	ALG1	ALG1, chit	56052
1.22782	1.22782	Exp_Paired	1.02863	1.46559	0.296104	PPFIBP2	PPFIBP2	PPFIA bind	8495
1.22828	1.22828	Exp_Paired	1.05104	1.43541	0.296642	ST3GAL1	ST3GAL1	ST3 beta-g	6482
1.23127	1.23127	Exp_Paired	1.10881	1.36724	0.300142	GALNS	GALNS	galactosan	2588
1.23507	1.23507	Exp_Paired	1.02014	1.49529	0.304596	LMF2	LMF2	lipase mat	91289
1.23653	1.23653	Exp_Paired	1.0448	1.46345	0.306296	PNN	PNN	pinin, desr	5411
1.23711	1.23711	Exp_Paired	1.10736	1.38206	0.306972	FAM109A	FAM109A	family with	144717
1.23773	1.23773	Exp_Paired	1.05343	1.45426	0.307692	LZTR1	LZTR1	leucine zip	8216
1.2399	1.2399	Exp_Paired	1.00029	1.53691	0.310226	FABP5	FABP5	fatty acid b	2171
1.2402	1.2402	Exp_Paired	1.08365	1.41937	0.310576	TTC22	TTC22	tetratricop	55001
1.24785	1.24785	Exp_Paired	1.04414	1.4913	0.31944	NDOR1	NDOR1	NADPH de	27158
1.24901	1.24901	Exp_Paired	1.01726	1.53355	0.32078	EHF	EHF	ETS homol	26298
1.2542	1.2542	Exp_Paired	1.06558	1.47622	0.326772	KIAA0895L	KIAA0895L	KIAA0895	653319
1.25644	1.25644	Exp_Paired	1.08289	1.4578	0.329342	CD2AP	CD2AP	CD2 associ	23607
1.25753	1.25753	Exp_Paired	1.08588	1.45632	0.330598	ABLIM1	ABLIM1	actin bindi	3983

1.26481	1.26481	Exp_Paired	1.05036	1.52304	0.338918	TGFA	TGFA	transformi	7039
1.26487	1.26487	Exp_Paired	1.04924	1.52482	0.338992	MKNK2	MKNK2	MAP kinas	2872
1.26595	1.26595	Exp_Paired	1.07716	1.48783	0.340222	QSOX1	QSOX1	quiescin su	5768
1.27296	1.27296	Exp_Paired	1.0056	1.6114	0.348184	ZNF185	ZNF185	zinc finger	7739
1.27299	1.27299	Exp_Paired	1.01137	1.60229	0.34822	CERS6	CERS6	ceramide s	253782
1.28047	1.28047	Exp_Paired	1.02192	1.60442	0.35667	IL6ST	IL6ST	interleukin	3572
1.28588	1.28588	Exp_Paired	1.00015	1.65324	0.362759	RN7SL737I	RN7SL737I	RNA, 7SL, (	1.06E+08
1.28787	1.28787	Exp_Paired	1.02924	1.61148	0.364982	ARHGEF16	ARHGEF16	Rho guanin	27237
1.2902	1.2902	Exp_Paired	1.00347	1.65888	0.3676	SEMA3F	SEMA3F	semaphori	6405
1.2903	1.2903	Exp_Paired	1.04328	1.5958	0.367706	SPTLC2	SPTLC2	serine palr	9517
1.29533	1.29533	Exp_Paired	1.03225	1.62546	0.373318	RECQL5	RECQL5	RecQ like h	9400
1.29613	1.29613	Exp_Paired	1.00045	1.6792	0.374212	LRRC56	LRRC56	leucine rich	115399
1.29906	1.29906	Exp_Paired	1.00394	1.68093	0.377467	ATG16L2	ATG16L2	autophagy	89849
1.30021	1.30021	Exp_Paired	1.14903	1.47129	0.378746	FBXO44	FBXO44	F-box prot	93611
1.32358	1.32358	Exp_Paired	1.14696	1.52739	0.404442	GRAMD4	GRAMD4	GRAM dor	23151
1.33278	1.33278	Exp_Paired	1.05004	1.69166	0.414444	STAT5A	STAT5A	signal tran	6776
1.34546	1.34546	Exp_Paired	1.20856	1.49787	0.428102	TMEM87B	TMEM87B	transmem	84910
1.34771	1.34771	Exp_Paired	1.06815	1.70043	0.430506	RIPK3	RIPK3	receptor ir	11035
1.34855	1.34855	Exp_Paired	1.13206	1.60643	0.431408	CXXC5	CXXC5	CXXC finge	51523
1.35415	1.35415	Exp_Paired	1.07888	1.69965	0.437386	ADSSL1	ADSSL1	adenylosu	122622
1.35617	1.35617	Exp_Paired	1.02537	1.79369	0.439536	PLEKHG5	PLEKHG5	pleckstrin	57449
1.35684	1.35684	Exp_Paired	1.13322	1.62458	0.440246	TMTC2	TMTC2	transmem	160335
1.35688	1.35688	Exp_Paired	1.12629	1.63467	0.440292	KLHL17	KLHL17	kelch like f	339451
1.35914	1.35914	Exp_Paired	1.0815	1.70806	0.442692	CTSB	CTSB	cathepsin	1508
1.3651	1.3651	Exp_Paired	1.12647	1.65429	0.44901	ADCY7	ADCY7	adenylate	113
1.36879	1.36879	Exp_Paired	1.02718	1.82401	0.452902	MVP	MVP	major vaul	9961
1.37036	1.37036	Exp_Paired	1.08963	1.72342	0.454554	OGFRL1	OGFRL1	opioid gro	79627
1.372	1.372	Exp_Paired	1.05723	1.78048	0.456278	RAB11FIP4	RAB11FIP4	RAB11 fam	84440
1.38113	1.38113	Exp_Paired	1.19516	1.59603	0.465846	SLC12A7	SLC12A7	solute carr	10723
1.39067	1.39067	Exp_Paired	1.01985	1.89632	0.475781	MID2	MID2	midline 2	11043
1.39968	1.39968	Exp_Paired	1.04798	1.86939	0.485092	GRN	GRN	granulin pr	2896
1.40525	1.40525	Exp_Paired	1.03017	1.91687	0.490822	RALGAPA2	RALGAPA2	Ral GTPase	57186
1.40528	1.40528	Exp_Paired	1.04726	1.88569	0.490856	LYNX1	LYNX1	Ly6/neuro	66004
1.41517	1.41517	Exp_Paired	1.05183	1.90403	0.500976	TLR5	TLR5	toll like rec	7100
1.41752	1.41752	Exp_Paired	1.01995	1.97005	0.503368	SCARNA17	SCARNA17	small Cajal	677769
1.43519	1.43519	Exp_Paired	1.07113	1.92299	0.521242	MALAT1	MALAT1	metastasis	378938
1.43583	1.43583	Exp_Paired	1.03911	1.98401	0.521886	SIAE	SIAE	sialic acid a	54414
1.43591	1.43591	Exp_Paired	1.07477	1.91841	0.521968	TBC1D8	TBC1D8	TBC1 dom	11138
1.44361	1.44361	Exp_Paired	1.05364	1.97793	0.529686	CLDN12	CLDN12	claudin 12	9069
1.45337	1.45337	Exp_Paired	1.0146	2.08188	0.5394	GPC1	GPC1	glypican 1	2817
1.45447	1.45447	Exp_Paired	1.03079	2.0523	0.540498	GGT6	GGT6	gamma-glu	124975
1.45753	1.45753	Exp_Paired	1.1583	1.83406	0.543524	TCIRG1	TCIRG1	T-cell imm	10312
1.4695	1.4695	Exp_Paired	1.11345	1.93942	0.555329	ZNF662	ZNF662	zinc finger	389114
1.48299	1.48299	Exp_Paired	1.09944	2.00034	0.568509	MAPK11	MAPK11	mitogen-a	5600
1.50702	1.50702	Exp_Paired	1.103	2.05902	0.591696	TNFSF10	TNFSF10	TNF superf	8743
1.50743	1.50743	Exp_Paired	1.11851	2.03159	0.592092	ZNF276	ZNF276	zinc finger	92822
1.50925	1.50925	Exp_Paired	1.01144	2.25207	0.593828	ANKRD22	ANKRD22	ankyrin rep	118932

1.51847	1.51847	Exp_Paired	1.04004	2.21699	0.602618	RHOV	RHOV	ras homol	171177
1.51877	1.51877	Exp_Paired	1.03233	2.2344	0.6029	RAB27B	RAB27B	RAB27B, m	5874
1.53285	1.53285	Exp_Paired	1.18112	1.98932	0.616216	SH3BP2	SH3BP2	SH3 domai	6452
1.54184	1.54184	Exp_Paired	1.19986	1.98129	0.624654	ABCG1	ABCG1	ATP bindin	9619
1.54803	1.54803	Exp_Paired	1.21632	1.97019	0.630429	SLC2A12	SLC2A12	solute carr	154091
1.58125	1.58125	Exp_Paired	1.00348	2.49168	0.661065	NABP1	NABP1	nucleic aci	64859
1.58939	1.58939	Exp_Paired	1.25606	2.01118	0.668473	PLA2G4F	PLA2G4F	phospholip	255189
1.61048	1.61048	Exp_Paired	1.03774	2.49933	0.687494	CTSC	CTSC	cathepsin (	1075
1.70491	1.70491	Exp_Paired	1.22574	2.37141	0.769697	AGPAT4	AGPAT4	1-acylglyce	56895
1.74547	1.74547	Exp_Paired	1.03439	2.94535	0.803612	TMEM184	TMEM184	transmem	202915
1.74682	1.74682	Exp_Paired	1.04904	2.90873	0.804734	DUOXA1	DUOXA1	dual oxida	90527
1.77403	1.77403	Exp_Paired	1.34177	2.34554	0.827028	CCDC88B	CCDC88B	coiled-coil	283234
1.80566	1.80566	Exp_Paired	1.31752	2.47465	0.852526	RAET1E	RAET1E	retinoic ac	135250
1.87656	1.87656	Exp_Paired	1.35005	2.6084	0.90809	GPNMB	GPNMB	glycoprote	10457
2.01667	2.01667	Exp_Paired	1.02011	3.98677	1.01197	CHST2	CHST2	carbohydra	9435
2.01844	2.01844	Exp_Paired	1.16976	3.48286	1.01324	SLC16A3	SLC16A3	solute carr	9123
2.0453	2.0453	Exp_Paired	1.05202	3.97639	1.03231	NRARP	NRARP	NOTCH-reg	441478
2.06604	2.06604	Exp_Paired	1.45386	2.93599	1.04687	TMEM45B	TMEM45B	transmem	120224
2.08784	2.08784	Exp_Paired	1.0591	4.11582	1.06201	AQP3	AQP3	aquaporin	360
2.09631	2.09631	Exp_Paired	1.51301	2.90448	1.06785	EMB	EMB	embigin	133418
2.116	2.116	Exp_Paired	1.271	3.5228	1.08134	UNC93A	UNC93A	unc-93 hor	54346
2.16083	2.16083	Exp_Paired	1.11351	4.19322	1.11159	ADAM8	ADAM8	ADAM met	101
2.1673	2.1673	Exp_Paired	1.38496	3.39157	1.1159	NEAT1	NEAT1	nuclear pa	283131
2.22769	2.22769	Exp_Paired	1.20779	4.10882	1.15555	TIMP3	TIMP3	TIMP meta	7078
2.23166	2.23166	Exp_Paired	1.09667	4.54132	1.15812	FAM83E	FAM83E	family with	54854
2.6712	2.6712	Exp_Paired	1.75017	4.07693	1.41749	MEGF6	MEGF6	multiple E(	1953

CytoLoc	type_of_gene	Obs (Exp)	Obs (Cont)	Sum 1Way Obs (Exp + Cont)	Min 1Way (Exp + Cont) (2)	Min 2Way (Exp + Cont)	Min > -0.2 Keeper Hits	2SD Paired Log2(FC) Keeper Hits	2SD > -.2 Exp_Paired-2Way vs. Cont Log2(FC)
5q31.1	ncRNA	5	5	10	1.17834	1.17834	Yes	Yes	-6σ
15q23	protein-co	5	5	10	0.064917	0.064917	Yes	Yes	-6σ
9q21.2	protein-co	5	5	10	1.43105	1.43105	Yes	Yes	-6σ
18p11.32	protein-co	5	5	10	2.62794	2.62794	Yes	Yes	-6σ
17q11.2	protein-co	5	5	10	-0.14154	-0.14154	Yes	Yes	-6σ
2p23.3	protein-co	5	5	10	0.604275	0.604275	Yes	Yes	-6σ
6q25.2	protein-co	5	5	10	1.76276	1.76276	Yes	Yes	-6σ
11q23.3	protein-co	5	5	10	0.45349	0.45349	Yes	Yes	-6σ
5q35.3	pseudo	5	5	10	0.776138	0.776138	Yes	Yes	-6σ
17p11.2	protein-co	5	5	10	2.2885	2.2885	Yes	Yes	-6σ
13q13.3	protein-co	5	5	10	3.41043	3.41043	Yes	Yes	-6σ
5p15.1	protein-co	5	5	10	2.90923	2.90923	Yes	Yes	-6σ
1q21.2	protein-co	5	5	10	3.58108	3.58108	Yes	Yes	-6σ
1q44	protein-co	5	5	10	1.30633	1.30633	Yes	Yes	-6σ
13q14.13	protein-co	5	5	10	2.16254	2.16254	Yes	Yes	-6σ
1p33	protein-co	5	5	10	0.345458	0.345458	Yes	Yes	-6σ
1p31.3	protein-co	5	5	10	0.95174	0.95174	Yes	Yes	-6σ
2q35	protein-co	5	5	10	3.45829	3.45829	Yes	Yes	-6σ
6q13-q14.	protein-co	5	5	10	1.72203	1.72203	Yes	Yes	-6σ
9q21.12	protein-co	5	5	10	0.066081	0.066081	Yes	Yes	-6σ
2q37.2	protein-co	5	5	10	-0.02815	-0.02815	Yes	Yes	-6σ
-	tRNA	5	5	10	2.2095	2.2095	Yes	Yes	-6σ
15q26.2	ncRNA	5	5	10	0.663109	0.663109	Yes	Yes	-3σ
12q24.23	protein-co	5	5	10	0.166463	0.166463	Yes	Yes	-3σ
16p13.3	ncRNA	5	5	10	0.136774	0.136774	Yes	Yes	-3σ
17q21.33	protein-co	5	5	10	1.54951	1.54951	Yes	Yes	-3σ
-	tRNA	5	5	10	2.59126	2.59126	Yes	Yes	-3σ
6p23	protein-co	5	5	10	-0.19278	-0.19278	Yes	Yes	-3σ
6q14.2	protein-co	5	5	10	1.36454	1.36454	Yes	Yes	-3σ
Xp22.13	protein-co	5	5	10	1.32073	1.32073	Yes	Yes	-3σ
7p14.3	protein-co	5	5	10	4.84779	4.84779	Yes	Yes	-3σ
17q11.2	ncRNA	5	5	10	0.533998	0.533998	Yes	Yes	-3σ
2p22.2	protein-co	5	5	10	0.567822	0.567822	Yes	Yes	-3σ
6p22.3	protein-co	5	5	10	-0.17518	-0.17518	Yes	Yes	-3σ
-	protein-co	5	5	10	5.54553	5.54553	Yes	Yes	-3σ
13q14.2	protein-co	5	5	10	4.99781	4.99781	Yes	Yes	-3σ
6p12.2	ncRNA	5	5	10	-0.07259	-0.07259	Yes	Yes	-3σ
5q31.1	protein-co	5	5	10	8.11235	8.11235	Yes	Yes	-3σ
10p13	protein-co	5	5	10	1.35081	1.35081	Yes	Yes	-3σ
14q11.2	protein-co	5	5	10	3.66799	3.66799	Yes	Yes	-3σ
5q22.1	protein-co	5	5	10	2.76017	2.76017	Yes	Yes	-3σ

9p11.2	pseudo	5	5	10	-0.01922	-0.01922	Yes	Yes	-3σ
9q21.13	protein-co	5	5	10	-0.05325	-0.05325	Yes	Yes	-3σ
10q23.31	protein-co	5	5	10	2.18274	2.18274	Yes	Yes	-3σ
16q13	protein-co	5	5	10	4.83096	4.83096	Yes	Yes	-3σ
7p15.2-p1	protein-co	5	5	10	0.352413	0.352413	Yes	Yes	-3σ
5q33.1	protein-co	5	5	10	6.03223	6.03223	Yes	Yes	-3σ
1q43	protein-co	5	5	10	1.31885	1.31885	Yes	Yes	-3σ
5q35.2	protein-co	5	5	10	5.71197	5.71197	Yes	Yes	-3σ
6p24.1	ncRNA	5	5	10	0.406489	0.406489	Yes	Yes	-3σ
5q33.1	ncRNA	5	5	10	0.267174	0.267174	Yes	Yes	-3σ
1q32.1	protein-co	5	5	10	1.97488	1.97488	Yes	Yes	-3σ
9q21.13	protein-co	5	5	10	0.012971	0.012971	Yes	Yes	-3σ
13q32.2	protein-co	5	5	10	4.03243	4.03243	Yes	No	-2σ
19p13.11	protein-co	5	5	10	5.8501	5.8501	Yes	No	-2σ
17p13.1	protein-co	5	5	10	3.17827	3.17827	Yes	No	-2σ
14q11.2	protein-co	5	5	10	3.8783	3.8783	Yes	No	-2σ
8p23.1	protein-co	5	5	10	2.17232	2.17232	Yes	No	-2σ
1q41	protein-co	5	5	10	-0.14309	-0.14309	Yes	No	-2σ
1q31.3	protein-co	5	5	10	0.613487	0.613487	Yes	No	-2σ
1p13.3	protein-co	5	5	10	1.27414	1.27414	Yes	No	-2σ
13q13.3	protein-co	5	5	10	4.44452	4.44452	Yes	No	-2σ
1p36.11	protein-co	5	5	10	0.382206	0.382206	Yes	No	-2σ
10p13	protein-co	5	5	10	0.648286	0.648286	Yes	No	-2σ
16q22.2	protein-co	5	5	10	0.810731	0.810731	Yes	No	-2σ
12p13.33	protein-co	5	5	10	3.78251	3.78251	Yes	No	-2σ
15q21.2	protein-co	5	5	10	2.46581	2.46581	Yes	No	-2σ
1p13.3	protein-co	5	5	10	0.974086	0.974086	Yes	No	-2σ
12q13.11	protein-co	5	5	10	1.23857	1.23857	Yes	No	-2σ
13q12.13	protein-co	5	5	10	1.64878	1.64878	Yes	No	-2σ
7p22.3	protein-co	5	5	10	3.92694	3.92694	Yes	No	-2σ
-	protein-co	5	5	10	3.26796	3.26796	Yes	No	-2σ
9p24.3	protein-co	5	5	10	1.20041	1.20041	Yes	No	-2σ
6p22.2	protein-co	5	5	10	6.87878	6.87878	Yes	No	-2σ
22q12.1	protein-co	5	5	10	1.74765	1.74765	Yes	No	-2σ
11p13	protein-co	5	5	10	1.12708	1.12708	Yes	No	-2σ
7q21.12	ncRNA	5	5	10	0.196528	0.196528	Yes	No	-2σ
Xq28	protein-co	5	5	10	2.44635	2.44635	Yes	No	-2σ
2q37.3	protein-co	5	5	10	4.8273	4.8273	Yes	No	-2σ
2p22.2	ncRNA	5	5	10	2.57346	2.57346	Yes	No	-2σ
11p13	protein-co	5	5	10	1.71584	1.71584	Yes	No	-2σ
9q34.11	protein-co	5	5	10	1.65152	1.65152	Yes	No	-2σ
16q23.2	protein-co	5	5	10	3.05856	3.05856	Yes	No	-2σ
6p21.33	protein-co	5	5	10	-0.05685	-0.05685	Yes	No	-2σ
13q13.1	protein-co	5	5	10	1.20335	1.20335	Yes	No	-2σ
3p21.31	protein-co	5	5	10	0.753766	0.753766	Yes	No	-2σ
4q25	protein-co	5	5	10	3.42234	3.42234	Yes	No	-2σ
19q13.11	protein-co	5	5	10	1.29315	1.29315	Yes	No	-2σ

16p13.2-p	protein-co	5	5	10	0.059599	0.059599	Yes	No	-2σ
10p11.22	ncRNA	5	5	10	-0.06296	-0.06296	Yes	No	-2σ
15q22.2	protein-co	5	5	10	0.711934	0.711934	Yes	No	-2σ
1q32.3	protein-co	5	5	10	4.01042	4.01042	Yes	No	-2σ
2p25.3	protein-co	5	5	10	3.94507	3.94507	Yes	No	-2σ
Xq28	protein-co	5	5	10	3.80524	3.80524	Yes	No	-2σ
3q21.2	protein-co	5	5	10	1.68039	1.68039	Yes	No	-2σ
1p34.3	protein-co	5	5	10	4.29658	4.29658	Yes	No	-2σ
6p12.2	protein-co	5	5	10	5.48184	5.48184	Yes	No	-2σ
8q24.13	protein-co	5	5	10	0.456848	0.456848	Yes	No	-2σ
1p36.32	protein-co	5	5	10	0.129268	0.129268	Yes	No	-2σ
8p21.2	protein-co	5	5	10	2.06696	2.06696	Yes	No	-2σ
3q13.2	protein-co	5	5	10	3.40691	3.40691	Yes	No	-2σ
13q14.11	protein-co	5	5	10	1.04946	1.04946	Yes	No	-2σ
7p15.3	protein-co	5	5	10	2.92893	2.92893	Yes	No	-2σ
10q22.1	protein-co	5	5	10	2.55133	2.55133	Yes	No	-2σ
17p13.2	protein-co	5	5	10	6.51062	6.51062	Yes	No	-2σ
10p12.2	protein-co	5	5	10	4.67175	4.67175	Yes	No	-2σ
1p36.33	pseudo	5	5	10	3.81709	3.81709	Yes	No	-2σ
14q24.3	protein-co	5	5	10	2.01717	2.01717	Yes	No	-2σ
6q25.3	protein-co	5	5	10	3.76308	3.76308	Yes	No	-2σ
7p21.3	protein-co	5	5	10	3.95383	3.95383	Yes	No	-2σ
16q23.1	protein-co	5	5	10	0.597831	0.597831	Yes	No	-2σ
Xp11.22	protein-co	5	5	10	3.0467	3.0467	Yes	No	-2σ
17q12	protein-co	5	5	10	3.20025	3.20025	Yes	No	-2σ
2p13.1	protein-co	5	5	10	1.20106	1.20106	Yes	No	-2σ
20p13	protein-co	5	5	10	4.06969	4.06969	Yes	No	-2σ
2q37.2	protein-co	5	5	10	1.12505	1.12505	Yes	No	-2σ
15q11.2	protein-co	5	5	10	3.2382	3.2382	Yes	No	-2σ
17q25.3	protein-co	5	5	10	3.25379	3.25379	Yes	No	-2σ
9p21.3	protein-co	5	5	10	2.70576	2.70576	Yes	No	-2σ
16p11.2	protein-co	5	5	10	1.08401	1.08401	Yes	No	-2σ
9p13.3	protein-co	5	5	10	3.45863	3.45863	Yes	No	-2σ
8p11.23	protein-co	5	5	10	2.75108	2.75108	Yes	No	-2σ
11q13.4	protein-co	5	5	10	2.05208	2.05208	Yes	No	-2σ
Xq28	protein-co	5	5	10	0.637573	0.637573	Yes	No	-2σ
1p34.2	protein-co	5	5	10	5.71962	5.71962	Yes	No	-2σ
7q22.1	protein-co	5	5	10	1.25884	1.25884	Yes	No	-2σ
Xq13.2	protein-co	5	5	10	1.01824	1.01824	Yes	No	-2σ
-	protein-co	5	5	10	6.14022	6.14022	Yes	No	-2σ
1p31.1	protein-co	5	5	10	3.20659	3.20659	Yes	No	-2σ
7q22.1	protein-co	5	5	10	1.62649	1.62649	Yes	No	-2σ
16q23.1	protein-co	5	5	10	2.62072	2.62072	Yes	No	-2σ
19p13.3	protein-co	5	5	10	4.77074	4.77074	Yes	No	-2σ
2p15	protein-co	5	5	10	1.93832	1.93832	Yes	No	-2σ
17q11.2	protein-co	5	5	10	2.38815	2.38815	Yes	No	-2σ
16p11.2	protein-co	5	5	10	3.12559	3.12559	Yes	No	-2σ

9q34.11	protein-co	5	5	10	0.523349	0.523349	Yes	No	-2σ
5p13.2	protein-co	5	5	10	1.63966	1.63966	Yes	No	-2σ
1q21.3	protein-co	5	5	10	1.1947	1.1947	Yes	No	-2σ
3q22.1	protein-co	5	5	10	5.86225	5.86225	Yes	No	-2σ
5q12.3	protein-co	5	5	10	0.502454	0.502454	Yes	No	-2σ
2p13.3	protein-co	5	5	10	4.28967	4.28967	Yes	No	-2σ
17q23.2-q	protein-co	5	5	10	0.916354	0.916354	Yes	No	-2σ
4q23	protein-co	5	5	10	6.32219	6.32219	Yes	No	-2σ
4q22.1	protein-co	5	5	10	1.63612	1.63612	Yes	No	-2σ
12p12.3	protein-co	5	5	10	5.61061	5.61061	Yes	No	-2σ
5q35.2	protein-co	5	5	10	3.03529	3.03529	Yes	No	-2σ
19p13.3	protein-co	5	5	10	3.36957	3.36957	Yes	No	-2σ
12p13.2	protein-co	5	5	10	6.31883	6.31883	Yes	No	-2σ
8p23.1	protein-co	5	5	10	3.66983	3.66983	Yes	No	-2σ
1p36.22	protein-co	5	5	10	2.36055	2.36055	Yes	No	-2σ
14q32.33	protein-co	5	5	10	3.73492	3.73492	Yes	No	-2σ
22q11.21	protein-co	5	5	10	2.43535	2.43535	Yes	No	-2σ
16p13.13-p	protein-co	5	5	10	1.79638	1.79638	Yes	No	-2σ
15q15.1	protein-co	5	5	10	2.53367	2.53367	Yes	No	-2σ
1q42.12	protein-co	5	5	10	5.00528	5.00528	Yes	No	-2σ
9p23-p22.3	protein-co	5	5	10	0.910185	0.910185	Yes	No	-2σ
6q24.2	protein-co	5	5	10	2.94438	2.94438	Yes	No	-2σ
1q44	protein-co	5	5	10	1.7894	1.7894	Yes	No	-2σ
1p34.2	protein-co	5	5	10	0.48424	0.48424	Yes	No	-2σ
9q21.13	protein-co	5	5	10	2.16104	2.16104	Yes	No	-2σ
19p13.11	protein-co	5	5	10	2.11384	2.11384	Yes	No	-2σ
9p21.1	protein-co	5	5	10	3.71139	3.71139	Yes	No	-2σ
2p16.2	protein-co	5	5	10	3.91745	3.91745	Yes	No	-2σ
11q14.1	protein-co	5	5	10	1.55441	1.55441	Yes	No	-2σ
19p13.11	protein-co	5	5	10	4.66895	4.66895	Yes	No	-2σ
13q32.1	protein-co	5	5	10	1.22277	1.22277	Yes	No	-2σ
7p15.3	protein-co	5	5	10	3.23656	3.23656	Yes	No	-2σ
2q33.2	protein-co	5	5	10	0.682611	0.682611	Yes	No	-2σ
2q11.1	protein-co	5	5	10	1.01183	1.01183	Yes	No	-2σ
7p13	protein-co	5	5	10	3.69143	3.69143	Yes	No	-2σ
9p13.3	protein-co	5	5	10	4.1661	4.1661	Yes	No	-2σ
6q27	protein-co	5	5	10	2.99613	2.99613	Yes	No	-2σ
5q35.2	protein-co	5	5	10	3.45076	3.45076	Yes	No	-2σ
1q42.2	protein-co	5	5	10	0.896248	0.896248	Yes	No	-2σ
19q13.12	protein-co	5	5	10	1.69417	1.69417	Yes	No	-2σ
17q21.2	protein-co	5	5	10	0.970985	0.970985	Yes	No	-2σ
1q21.3	protein-co	5	5	10	2.19753	2.19753	Yes	No	-2σ
6p25.2	protein-co	5	5	10	0.184567	0.184567	Yes	No	-2σ
9q21.11	protein-co	5	5	10	2.37275	2.37275	Yes	No	-2σ
8q22.3	protein-co	5	5	10	3.02535	3.02535	Yes	No	-2σ
1q21.2	protein-co	5	5	10	6.83043	6.83043	Yes	No	-2σ
22q12.3	protein-co	5	5	10	2.51199	2.51199	Yes	No	-2σ

Xq22.2	protein-co	5	5	10	3.21867	3.21867	Yes	No	-2σ
17p13.2	protein-co	5	5	10	2.38957	2.38957	Yes	No	-2σ
10q22.1	protein-co	5	5	10	2.84979	2.84979	Yes	No	-2σ
8q21.13	protein-co	5	5	10	3.23049	3.23049	Yes	No	-2σ
20q13.13	protein-co	5	5	10	2.61071	2.61071	Yes	No	-2σ
17q21.32	protein-co	5	5	10	4.86559	4.86559	Yes	No	-2σ
21q21.3	protein-co	5	5	10	1.34996	1.34996	Yes	No	+2σ
2q12.3	protein-co	5	5	10	3.31033	3.31033	Yes	No	+2σ
2p24.2	protein-co	5	5	10	2.46227	2.46227	Yes	No	+2σ
6q13	protein-co	5	5	10	3.91378	3.91378	Yes	No	+2σ
2p23.3	protein-co	5	5	10	1.93002	1.93002	Yes	No	+2σ
20q13.33	protein-co	5	5	10	2.69984	2.69984	Yes	No	+2σ
6p21.32	protein-co	5	5	10	4.48248	4.48248	Yes	No	+2σ
16q23.1	protein-co	5	5	10	1.04773	1.04773	Yes	No	+2σ
8q22.3	protein-co	5	5	10	4.03155	4.03155	Yes	No	+2σ
2q12.3	protein-co	5	5	10	2.36478	2.36478	Yes	No	+2σ
17p12	protein-co	5	5	10	0.643932	0.643932	Yes	No	+2σ
22q12.1	protein-co	5	5	10	2.45366	2.45366	Yes	No	+2σ
7q31.2	protein-co	5	5	10	3.53127	3.53127	Yes	No	+2σ
8q24.3	ncRNA	5	5	10	2.10274	2.10274	Yes	No	+2σ
Xp11.22	protein-co	5	5	10	1.96713	1.96713	Yes	No	+2σ
9q21.33	protein-co	5	5	10	3.16716	3.16716	Yes	No	+2σ
11p15.5	protein-co	5	5	10	2.17379	2.17379	Yes	No	+2σ
1p12	protein-co	5	5	10	2.76391	2.76391	Yes	No	+2σ
19q13.33	protein-co	5	5	10	3.59886	3.59886	Yes	No	+2σ
5q31.3	protein-co	5	5	10	1.01444	1.01444	Yes	No	+2σ
18q21.31	protein-co	5	5	10	3.75236	3.75236	Yes	No	+2σ
9q33.3-q3	protein-co	5	5	10	1.53516	1.53516	Yes	No	+2σ
1p36.12	protein-co	5	5	10	2.95792	2.95792	Yes	No	+2σ
Xp11.21	protein-co	5	5	10	0.748549	0.748549	Yes	No	+2σ
7q36.1	protein-co	5	5	10	3.06685	3.06685	Yes	No	+2σ
19q13.31	protein-co	5	5	10	2.90408	2.90408	Yes	No	+2σ
16p13.3	protein-co	5	5	10	1.19824	1.19824	Yes	No	+2σ
11p15.4	protein-co	5	5	10	1.5974	1.5974	Yes	No	+2σ
8q24.22	protein-co	5	5	10	2.25629	2.25629	Yes	No	+2σ
16q24.3	protein-co	5	5	10	0.288559	0.288559	Yes	No	+2σ
22q13.33	protein-co	5	5	10	2.84615	2.84615	Yes	No	+2σ
14q21.1	protein-co	5	5	10	3.43509	3.43509	Yes	No	+2σ
12q24.12	protein-co	5	5	10	0.747053	0.747053	Yes	No	+2σ
22q11.21	protein-co	5	5	10	1.81481	1.81481	Yes	No	+2σ
8q21.13	protein-co	5	5	10	8.33335	8.33335	Yes	No	+2σ
1p32.3	protein-co	5	5	10	2.9851	2.9851	Yes	No	+2σ
9q34.3	protein-co	5	5	10	1.79335	1.79335	Yes	No	+2σ
11p13	protein-co	5	5	10	5.58265	5.58265	Yes	No	+2σ
16q22.1	protein-co	5	5	10	1.56213	1.56213	Yes	No	+2σ
6p12.3	protein-co	5	5	10	3.65408	3.65408	Yes	No	+2σ
10q25.3	protein-co	5	5	10	3.08027	3.08027	Yes	No	+2σ

2p13.3	protein-co	5	5	10	3.0183	3.0183	Yes	No	+2σ
19p13.3	protein-co	5	5	10	4.959	4.959	Yes	No	+2σ
1q25.2	protein-co	5	5	10	3.0358	3.0358	Yes	No	+2σ
Xq28	protein-co	5	5	10	4.93123	4.93123	Yes	No	+2σ
2q24.3	protein-co	5	5	10	3.20854	3.20854	Yes	No	+2σ
5q11.2	protein-co	5	5	10	3.3848	3.3848	Yes	No	+2σ
12q22	pseudo	5	5	10	1.01119	1.01119	Yes	No	+2σ
1p36.32	protein-co	5	5	10	3.29156	3.29156	Yes	No	+2σ
3p21.31	protein-co	5	5	10	4.12013	4.12013	Yes	No	+2σ
14q24.3	protein-co	5	5	10	2.97438	2.97438	Yes	No	+2σ
17q25.1	protein-co	5	5	10	2.22288	2.22288	Yes	No	+2σ
11p15.5	protein-co	5	5	10	0.15153	0.15153	Yes	No	+2σ
11q13.4	protein-co	5	5	10	1.12556	1.12556	Yes	No	+2σ
1p36.22	protein-co	5	5	10	1.35416	1.35416	Yes	No	+2σ
22q13.31	protein-co	5	5	10	2.88256	2.88256	Yes	No	+2σ
17q21.2	protein-co	5	5	10	0.476575	0.476575	Yes	No	+2σ
2q13	protein-co	5	5	10	3.50021	3.50021	Yes	No	+2σ
14q12	protein-co	5	5	10	1.28509	1.28509	Yes	No	+2σ
5q31.2	protein-co	5	5	10	3.00639	3.00639	Yes	No	+2σ
14q32.33	protein-co	5	5	10	1.78553	1.78553	Yes	No	+2σ
1p36.31	protein-co	5	5	10	2.50588	2.50588	Yes	No	+2σ
12q21.31	protein-co	5	5	10	1.4609	1.4609	Yes	No	+2σ
1p36.33	protein-co	5	5	10	0.374736	0.374736	Yes	No	+2σ
8p23.1	protein-co	5	5	10	5.74682	5.74682	Yes	No	+2σ
16q12.1	protein-co	5	5	10	0.655691	0.655691	Yes	No	+2σ
16p11.2	protein-co	5	5	10	5.09076	5.09076	Yes	No	+2σ
6q13	protein-co	5	5	10	1.94116	1.94116	Yes	No	+2σ
17q11.2	protein-co	5	5	10	1.5921	1.5921	Yes	No	+2σ
5p15.33	protein-co	5	5	10	0.87288	0.87288	Yes	Yes	+3σ
Xq22.3	protein-co	5	5	10	-0.13415	-0.13415	Yes	Yes	+3σ
17q21.31	protein-co	5	5	10	5.33205	5.33205	Yes	Yes	+3σ
20p11.23	protein-co	5	5	10	0.43161	0.43161	Yes	Yes	+3σ
8q24.3	protein-co	5	5	10	2.24305	2.24305	Yes	Yes	+3σ
1q41	protein-co	5	5	10	0.156777	0.156777	Yes	Yes	+3σ
18q21.1	ncRNA	5	5	10	4.1269	4.1269	Yes	Yes	+3σ
11q13.1	ncRNA	5	5	10	7.63148	7.63148	Yes	Yes	+3σ
11q24.2	protein-co	5	5	10	0.752021	0.752021	Yes	Yes	+3σ
2q11.2	protein-co	5	5	10	-0.15228	-0.15228	Yes	Yes	+3σ
7q21.13	protein-co	5	5	10	2.43479	2.43479	Yes	Yes	+3σ
2q37.3	protein-co	5	5	10	5.04904	5.04904	Yes	Yes	+3σ
17p13.2	protein-co	5	5	10	4.12229	4.12229	Yes	Yes	+3σ
11q13.2	protein-co	5	5	10	2.29527	2.29527	Yes	Yes	+3σ
3p22.1	protein-co	5	5	10	0.445795	0.445795	Yes	Yes	+3σ
22q13.33	protein-co	5	5	10	1.50676	1.50676	Yes	Yes	+3σ
3q26.31	protein-co	5	5	10	4.94938	4.94938	Yes	Yes	+3σ
16q24.3	protein-co	5	5	10	0.613544	0.613544	Yes	Yes	+3σ
10q23.31	protein-co	5	5	10	-0.05828	-0.05828	Yes	Yes	+3σ

15q15.1	protein-co	5	5	10	4.56553	4.56553	Yes	Yes	+3σ
18q21.2	protein-co	5	5	10	2.9952	2.9952	Yes	Yes	+3σ
4p16.3	protein-co	5	5	10	2.44449	2.44449	Yes	Yes	+3σ
21q22.3	protein-co	5	5	10	2.58736	2.58736	Yes	Yes	+3σ
6q23.2	protein-co	5	5	10	0.603261	0.603261	Yes	Yes	+3σ
2q32.3	protein-co	5	5	10	0.669674	0.669674	Yes	Yes	+3σ
15q15.1	protein-co	5	5	10	0.779203	0.779203	Yes	Yes	+3σ
11q14.2	protein-co	5	5	10	3.10953	3.10953	Yes	Yes	+3σ
6q26	protein-co	5	5	10	0.104156	0.104156	Yes	Yes	+6σ
7p22.3	protein-co	5	5	10	3.25413	3.25413	Yes	Yes	+6σ
15q21.1	protein-co	5	5	10	0.947363	0.947363	Yes	Yes	+6σ
11q13.1	protein-co	5	5	10	-0.01093	-0.01093	Yes	Yes	+6σ
6q25.1	protein-co	5	5	10	2.55238	2.55238	Yes	Yes	+6σ
7p15.3	protein-co	5	5	10	2.71736	2.71736	Yes	Yes	+6σ
3q24	protein-co	5	5	10	2.27628	2.27628	Yes	Yes	+6σ
17q25.3	protein-co	5	5	10	1.56918	1.56918	Yes	Yes	+6σ
9q34.3	protein-co	5	5	10	2.53058	2.53058	Yes	Yes	+6σ
11q24.3	protein-co	5	5	10	2.16992	2.16992	Yes	Yes	+6σ
9p13.3	protein-co	5	5	10	5.44301	5.44301	Yes	Yes	+6σ
5q11.1	protein-co	5	5	10	1.28414	1.28414	Yes	Yes	+6σ
6q27	protein-co	5	5	10	0.770828	0.770828	Yes	Yes	+6σ
10q26.3	protein-co	5	5	10	1.63723	1.63723	Yes	Yes	+6σ
11q13.1	ncRNA	5	5	10	3.56074	3.56074	Yes	Yes	+6σ
22q12.3	protein-co	5	5	10	2.82606	2.82606	Yes	Yes	+6σ
19q13.33	protein-co	5	5	10	0.301505	0.301505	Yes	Yes	+6σ
1p36.32	protein-co	5	5	10	0.001767	0.001767	Yes	Yes	> +6σ