

	gene_ref	gene_id	ENSEMBL ID
1	geneComp_00032925	MSTRG.29246	ENSG00000059769
2	geneComp_00016195	MSTRG.11270	ENSG00000140564
3	geneComp_00029311	MSTRG.25345	ENSG00000153044
4	geneComp_00015954	MSTRG.11009	ENSG00000140398
5	geneComp_00016299	MSTRG.11387	ENSG00000131876
6	geneComp_00031828	MSTRG.28063	ENSG00000118515
7	geneComp_00023398	MSTRG.18894	ENSG00000222509
8	geneComp_00016782	MSTRG.1191	ENSG00000172456
9	geneComp_00036415	MSTRG.33083	ENSG00000009694
10	geneComp_00002502	ENSG00000166682	ENSG00000166682
11	geneComp_00021184	MSTRG.16538	ENSG00000201098
12	geneComp_00022245	MSTRG.17613	ENSG00000171103
13	geneComp_00042479	MSTRG.9780	ENSG00000170345
14	geneComp_00031536	MSTRG.27720	ENSG00000118420
15	geneComp_00022341	MSTRG.17716	ENSG00000213553
16	geneComp_00039339	MSTRG.6328	ENSG00000186174
17	geneComp_00007803	ENSG00000235823	ENSG00000235823
18	geneComp_00017690	MSTRG.12873	ENSG00000103196
19	geneComp_00026371	MSTRG.22084	ENSG00000114268
20	geneComp_00026371	MSTRG.22084	ENSG00000145040
21	geneComp_00028429	MSTRG.24363	ENSG00000269893
22	geneComp_00018583	MSTRG.1383	ENSG00000122432
23	geneComp_00032613	MSTRG.28923	ENSG00000086730
24	geneComp_00034891	MSTRG.3145	ENSG00000182901
25	geneComp_00000619	ENSG00000106714	ENSG00000106714
26	geneComp_00037730	MSTRG.4578	ENSG00000179988
27	geneComp_00041717	MSTRG.8890	ENSG00000165795
28	geneComp_00007536	ENSG00000234520	ENSG00000234520
29	geneComp_00018316	MSTRG.13522	ENSG00000083290
30	geneComp_00030575	MSTRG.26707	ENSG00000168566
31	geneComp_00041418	MSTRG.8561	ENSG00000123179
32	geneComp_00038817	MSTRG.5741	ENSG00000184154
33	geneComp_00031258	MSTRG.27428	ENSG00000124496
34	geneComp_00030733	MSTRG.26871	ENSG00000145996
35	geneComp_00032580	MSTRG.28893	ENSG00000272843
36	geneComp_00002376	ENSG00000164684	ENSG00000164684
37	geneComp_00032891	MSTRG.29205	ENSG00000257923
38	geneComp_00032816	MSTRG.29135	ENSG00000146833
39	geneComp_00026216	MSTRG.21920	ENSG00000168026
40	geneComp_00031992	MSTRG.28255	ENSG00000215712
41	geneComp_00037500	MSTRG.4339	ENSG00000107833
42	geneComp_00034524	MSTRG.31038	ENSG00000182307

gene_name	condition_1	condition_2	gene_switch_q_value	Rank
DNAJC2	Neg	UPF2	7.47E-33	1
FURIN	Neg	UPF2	2.28E-19	2
CENPH	Neg	UPF2	3.05E-14	3
NEIL1	Neg	UPF2	6.93E-10	4
SNRPA1	Neg	UPF2	8.91E-09	5
SGK1	Neg	UPF2	1.13E-07	6
AC007405.1	Neg	UPF2	1.75E-07	7
FGGY	Neg	UPF2	4.58E-07	8
TENM1	Neg	UPF2	5.31E-07	9
TMPRSS5	Neg	UPF2	7.76E-07	10
Y_RNA	Neg	UPF2	1.30E-06	11
TRMT61B	Neg	UPF2	1.78E-06	12
FOS	Neg	UPF2	1.96E-06	13
UBE3D	Neg	UPF2	9.91E-06	14
RPLP0P6	Neg	UPF2	1.01E-05	15
BCL9L	Neg	UPF2	1.15E-05	16
OLMALINC	Neg	UPF2	1.48E-05	17
CRISPLD2	Neg	UPF2	3.90E-05	18
PFKFB4	Neg	UPF2	6.62E-05	19
UCN2	Neg	UPF2	6.62E-05	20
SNHG8	Neg	UPF2	9.78E-05	21
SPATA1	Neg	UPF2	0.000170728	22
LAT2	Neg	UPF2	0.000293564	23
RGS7	Neg	UPF2	0.000461134	24
CNTNAP3	Neg	UPF2	0.000487676	25
PSTK	Neg	UPF2	0.000759167	26
NDRG2	Neg	UPF2	0.000857527	27
AC018464.1	Neg	UPF2	0.000996103	28
ULK2	Neg	UPF2	0.001183134	29
SNRNP48	Neg	UPF2	0.001880881	30
EBPL	Neg	UPF2	0.001917339	31
LRTOMT	Neg	UPF2	0.002448071	32
TRERF1	Neg	UPF2	0.003100502	33
CDKAL1	Neg	UPF2	0.00366005	34
AC211476.4	Neg	UPF2	0.003843795	35
ZNF704	Neg	UPF2	0.005994153	36
CUX1	Neg	UPF2	0.008012049	37
TRIM4	Neg	UPF2	0.009245964	38
TTC21A	Neg	UPF2	0.00963816	39
TMEM242	Neg	UPF2	0.011026391	40
NPM3	Neg	UPF2	0.012186004	41
C8orf33	Neg	UPF2	0.01762416	42