

Table S1 The differentially expressed lncRNAs

SourceID	Regulation	Fold Change (log2)
TCONS_00046122	up	1.6722013
XR_146392.1	down	-2.922639
ENSRNOT00000074917	down	-1.1341887
TCONS_00069705	down	-1.2953911
TCONS_00121505	up	1.0858464
TCONS_00015844	down	-1.680482
XR_146975.1	up	1.0082858
TCONS_00058779	up	1.8416519
TCONS_00035352	up	1.013946
TCONS_00106331	up	1.2956901
TCONS_00016882	up	1.0218728
TCONS_00075583	up	1.5348034
TCONS_00070962	down	-1.0512199
TCONS_00081065	up	1.1182642
Khps1a	down	-1.0044928
ENSRNOT00000072137	down	-1.7250957
TCONS_00107043	up	1.6346297
TCONS_00079433	down	-3.4707518
TCONS_00054665	down	-1.0461388
TCONS_00098200	down	-1.0833602
ENSRNOT00000000776	down	-1.0016274
TCONS_00057757	up	1.3362327
ENSRNOT00000051728	down	-1.0351236
TCONS_00085316	down	-1.1386886
TCONS_00074204	up	1.5563364
TCONS_00122229	up	1.6074891
TCONS_00113370	up	1.4227815
TCONS_00135887	down	-1.1733589
ENSRNOT00000007835	up	2.074921
TCONS_00017466	down	-3.6800508
TCONS_00075584	up	1.9450846
TCONS_00113497	up	1.3678348
TCONS_00075654	up	1.5243239
TCONS_00007838	up	2.8794518
TCONS_00129692	up	1.9388752
TCONS_00116801	up	1.2228765
TCONS_00058773	up	2.464663
TCONS_00088890	up	1.0265794
TCONS_00113048	up	1.1821496
TCONS_00121320	up	1.9152572
TCONS_00040507	up	1.8454885
ENSRNOT00000016081	down	-1.0201836
TCONS_00016601	down	-1.145092
ENSRNOT00000050840	up	1.1003356
TCONS_00089375	down	-1.415755
TCONS_00005805	down	-1.4009519
TCONS_00090000	up	1.4541917
TCONS_00027530	up	1.2713108
TCONS_00130449	up	1.251504
TCONS_00031685	up	1.7338805
TCONS_00130284	down	-2.0228481
TCONS_00113097	up	1.3659296
ENSRNOT00000023216	up	2.091948

XR_146206.1	down	-1.1641352
TCONS_00061082	down	-2.607978
TCONS_00089077	up	1.6465391
TCONS_00007980	up	1.0921574
TCONS_00045311	up	4.087612
TCONS_00036308	up	1.1756735
TCONS_00089031	up	1.3646088
XR_146234.1	up	1.2280393
XR_006411.4	down	-1.2145352
TCONS_00097293	up	1.8464117
TCONS_00075312	down	-1.1389213
TCONS_00088847	down	-1.0380752
ENSRNOT00000075149	down	-2.4022317
TCONS_00062315	up	1.459424
TCONS_00003175	down	-1.2271128
XR_146765.1	down	-1.3428969
TCONS_00014506	up	2.798501
TCONS_00024124	down	-1.4320378
TCONS_00061112	up	1.1064816
TCONS_00082286	down	-1.067385
TCONS_00097317	up	1.3882651
TCONS_00001681	up	1.6824212
uc.270+	down	-1.1593616
TCONS_00011925	up	1.4670587
TCONS_00054495	down	-1.6070707
TCONS_00031782	up	1.0317132
TCONS_00113490	up	1.1752338
TCONS_00135053	up	1.0279348
TCONS_00131261	up	1.231168
TCONS_00045362	up	1.8582802
TCONS_00041490	up	1.0943937
TCONS_00066490	up	1.437787
ENSRNOT00000048070	up	1.3446226
TCONS_00074976	up	2.3592136
TCONS_00033457	up	1.0732088
TCONS_00129855	down	-1.52144
TCONS_00054395	up	1.1416068
TCONS_00040279	up	3.533719
TCONS_00095165	up	1.0839176
TCONS_00127098	down	-1.1901057
TCONS_00036513	down	-1.3223937
TCONS_00089944	down	-1.4243314
TCONS_00012525	up	1.7774832
uc.159+	up	1.5362549
ENSRNOT00000071003	down	-1.3403463
ENSRNOT00000058469	up	1.9480133
TCONS_00130082	down	-1.5281856
ENSRNOT00000039543	up	1.6684513
TCONS_00097586	up	3.0560884
XR_146422.1	up	1.0784688
TCONS_00079461	up	1.7258084
TCONS_00039229	down	-2.4490976
ENSRNOT00000072153	up	1.2278177
TCONS_00015339	up	1.7968786
uc.129+	down	-1.7166071
TCONS_00057885	up	1.1196609

TCONS_00077125	down	-2.1275725
TCONS_00075193	up	2.8929217
TCONS_00068353	up	1.2483311
TCONS_00134303	up	1.2316666
TCONS_00027246	up	1.2078695
TCONS_00037142	down	-1.1648068
uc.440+	down	-1.115695
TCONS_00088820	up	1.4060518
TCONS_00135091	up	1.2929296
uc.265+	down	-2.4675202
TCONS_00079674	up	2.3769052
TCONS_00121752	down	-1.2834883
TCONS_00113563	up	1.6794753
TCONS_00088796	up	1.3800187
TCONS_00075058	down	-1.4538765
TCONS_00062599	up	2.7784243
TCONS_00045198	up	2.6782236
TCONS_00134302	up	1.65575
TCONS_00043376	up	1.8722391
TCONS_00057284	up	1.0603712
TCONS_00050013	up	2.1453757
TCONS_00027537	down	-2.4232543
TCONS_00066311	down	-1.016942
TCONS_00097499	down	-2.5211587
TCONS_00134685	down	-1.5603185
TCONS_00079330	up	1.7266035
TCONS_00070801	down	-1.8255234
TCONS_00040459	down	-1.3777058
TCONS_00097515	down	-1.4990082
TCONS_00010654	down	-1.2120119
ENSRNOT00000004285	down	-1.2237883
TCONS_00045302	up	1.3715086
TCONS_00015370	down	-1.5176233
TCONS_00056997	down	-1.4093847
TCONS_00090384	down	-1.0312368
TCONS_00089454	up	1.0209732
TCONS_00113637	up	1.8982468
TCONS_00044800	down	-1.6277254
TCONS_00074441	up	1.0766737
TCONS_00020195	down	-1.0394418
TCONS_00051935	down	-1.5831897
TCONS_00113347	up	1.1064744
TCONS_00121973	up	2.162249
ENSRNOT00000075337	up	1.7109039
TCONS_00097504	down	-1.1838007
TCONS_00054490	down	-1.4244118
TCONS_00016393	down	-1.5363529
TCONS_00062713	up	4.135027
TCONS_00069849	up	1.2559398
TCONS_00042222	down	-1.2205222
ENSRNOT00000051240	up	1.0087442
TCONS_00118542	up	3.925632
TCONS_00024996	down	-1.2371943
TCONS_00040899	up	1.8383765
TCONS_00073619	up	1.3071713
TCONS_00135629	down	-1.4790583

TCONS_00098072	down	-1.7454175
TCONS_00066302	down	-1.9992194
TCONS_00130321	up	2.4388714
ENSRNOT00000075146	up	1.5953417
ENSRNOT00000041327	up	1.9914474
TCONS_00113281	up	5.273
XR_146175.1	down	-1.278682
TCONS_00017480	down	-1.1255198
XR_086078.1	down	-3.1612897
TCONS_00016583	down	-1.9757131
TCONS_00054277	up	1.4161777
TCONS_00031220	down	-1.3195045
TCONS_00081169	up	2.1171188
TCONS_00097505	down	-2.4744868
NR_027324.1	down	-1.1695213
XR_146334.1	down	-1.085084
TCONS_00106591	down	-1.0386703
TCONS_00140121	up	1.6986177
TCONS_00114690	up	1.1849291
XR_146412.1	down	-1.3225098
TCONS_00114975	up	1.4778128
TCONS_00113470	down	-2.9772139
TCONS_00079299	down	-1.0865192
TCONS_00089778	up	1.0433798
TCONS_00135440	down	-1.3161983
TCONS_00117411	up	1.7311058
TCONS_00043176	up	3.6334882
TCONS_00034315	down	-1.7822671
NR_002704.1	up	2.038457
TCONS_00071731	up	1.4098558
TCONS_00045635	up	1.5964925
TCONS_00074986	up	1.1269372
XR_146638.1	down	-1.021472
TCONS_00134581	up	1.0947104
TCONS_00015950	up	1.090332
TCONS_00122029	up	1.3318119
TCONS_00094623	down	-1.2577724
TCONS_00016061	up	1.6156716
TCONS_00136841	down	-1.1160514
TCONS_00016284	up	1.3929918
TCONS_00106619	up	1.6582379
XR_146922.1	up	3.9139977
TCONS_00098087	down	-3.148664
ENSRNOT00000010055	down	-1.6474991
TCONS_00130455	up	1.652122
TCONS_00049878	up	1.8785882
XR_146767.1	down	-1.0105147
TCONS_00069554	up	1.92903
TCONS_00103389	down	-1.2552128
TCONS_00124124	down	-2.0876157
uc.292+	up	1.8264241
ENSRNOT00000071753	up	1.3914597
TCONS_00015137	down	-1.5272074
ENSRNOT00000071711	up	2.5113647
TCONS_00098426	up	1.0257583
TCONS_00037322	down	-1.8232889

TCONS_00074781	up	1.0090675
TCONS_00088560	down	-1.8692844
TCONS_00028054	up	1.4523861
TCONS_00121611	up	1.7711949
TCONS_00066075	up	1.7211008
TCONS_00066949	up	2.9280858
XR_145819.1	down	-1.4759793
ENSRNOT00000072461	up	1.0748196
ENSRNOT00000041259	up	1.0995474
TCONS_00111245	up	2.5709667
uc.42+	up	1.6633888
ENSRNOT00000034353	up	1.0658464
XR_145922.1	down	-1.01172
TCONS_00050300	up	1.2016009
TCONS_00031631	down	-1.1417003
TCONS_00039015	down	-1.1552138
TCONS_00079248	up	2.931118
TCONS_00089952	down	-2.474569
XR_146484.1	up	1.3460798
TCONS_00090858	up	1.5364623
TCONS_00084902	down	-1.7792058
TCONS_00000181	down	-1.5879747
TCONS_00097289	up	3.702619
uc.31+	up	2.4810514
XR_146626.1	up	1.6026235
TCONS_00041058	up	1.0116591
XR_146466.1	up	1.0948081
TCONS_00097235	down	-1.2958086
TCONS_00140028	down	-1.2640522
TCONS_00032538	down	-1.2963591
XR_145988.1	up	1.8006124
TCONS_00116833	up	2.1211467
TCONS_00089252	down	-3.0666008
ENSRNOT00000075618	up	1.5381951
ENSRNOT00000015527	up	2.8348637
TCONS_00104134	down	-1.9695306
TCONS_00090091	up	1.2975705
TCONS_00074667	up	4.6097045
TCONS_00028522	up	1.2456117
TCONS_00079432	down	-3.0905645
TCONS_00017249	down	-1.1984868
TCONS_00017968	up	4.1441097
TCONS_00095303	up	1.0688605
XR_146016.1	up	1.6337395
uc.353+	up	1.4879248
uc.431+	up	1.1316113
TCONS_00074424	down	-1.7498064
TCONS_00006127	up	1.2358768
ENSRNOT00000074675	up	1.8213387
TCONS_00049832	down	-1.147605
TCONS_00064427	up	1.4088326
ENSRNOT00000029810	down	-3.0341077
TCONS_00074891	up	1.011117
TCONS_00129211	up	1.0363054
XR_146021.1	down	-1.2115016
TCONS_00011976	down	-1.487585

TCONS_00074835	up	3.2416146
TCONS_00138733	down	-1.6140523
TCONS_00122318	down	-1.0327945
TCONS_00135127	down	-1.1911716
TCONS_00102300	up	1.1450433
TCONS_00134482	up	1.6983867
TCONS_00127096	down	-1.2306335
XR_146941.1	up	1.2487993
TCONS_00008607	up	1.1111459
uc.390+	down	-1.0569468
XR_146776.1	up	3.0754843
XR_146856.1	up	1.5920362
TCONS_00135208	down	-1.0912127
TCONS_00054573	down	-1.170805
TCONS_00075033	up	1.1454086
TCONS_00031644	down	-1.0823038
TCONS_00089955	down	-2.3627253
TCONS_00059395	down	-1.3865427
TCONS_00128446	up	1.5384941
ENSRNOT00000074581	up	1.7929575
TCONS_00062646	down	-1.1032175
uc.219+	down	-1.3731334
TCONS_00023664	down	-2.075711
TCONS_00031798	up	2.4192224
TCONS_00122103	down	-1.1879485
TCONS_00122041	down	-1.4389472
TCONS_00016561	up	1.3106651
TCONS_00055539	up	2.1500902
ENSRNOT00000013677	down	-1.1589522
XR_086201.1	down	-1.1738853
XR_086002.2	down	-1.6914282
TCONS_00113623	down	-2.9513414
TCONS_00097745	up	1.0022826
TCONS_00097314	down	-1.2008629
XR_085567.2	up	1.4269907
TCONS_00079427	up	1.0425618
TCONS_00121852	down	-1.9864216
TCONS_00072562	down	-2.4716396
TCONS_00078859	down	-1.643004
TCONS_00086856	up	1.0265524
TCONS_00027858	down	-1.7952428
TCONS_00095242	up	1.31318
XR_007140.3	up	1.2575469
XR_085895.2	down	-2.3172264
XR_146018.1	down	-1.1008866
ENSRNOT00000051656	down	-1.1274309
TCONS_00054496	down	-1.8836927
TCONS_00113471	down	-2.9619153
TCONS_00010538	up	1.7946676
TCONS_00097526	down	-2.3751996
TCONS_00049780	down	-1.6315639
TCONS_00074208	up	1.2534475
TCONS_00113649	up	2.1153917
TCONS_00089047	down	-2.9313602
TCONS_00045349	up	1.1165781
TCONS_00062403	up	4.771412

TCONS_00108557	down	-3.1992736
XR_146050.1	down	-4.8647957
ENSRNOT00000074188	down	-1.5277376
TCONS_00023231	up	4.358521
TCONS_00062691	down	-1.6210012
TCONS_00135610	up	1.2250953
TCONS_00112937	down	-1.1168833
XR_146511.1	up	1.8847728
ENSRNOT00000072283	up	1.6727295
TCONS_00058669	up	3.4630365
TCONS_00074605	up	1.1399293
TCONS_00122294	down	-2.615778
TCONS_00058879	up	3.4226532
ENSRNOT00000030707	up	1.1959758
TCONS_00122444	down	-1.5495718
TCONS_00134930	up	2.3102436
TCONS_00109082	down	-1.7718399
TCONS_00055007	down	-1.3468447
TCONS_00016118	up	1.088007
TCONS_00083704	down	-1.2760153
TCONS_00133961	down	-1.2638545
TCONS_00076398	down	-2.0672088
XR_146632.1	up	1.6420178
TCONS_00113762	up	1.2353597
TCONS_00050846	down	-1.3021111
TCONS_00045076	up	1.5616066
ENSRNOT00000047102	up	1.2227144
TCONS_00103699	up	1.0109606
TCONS_00074954	up	1.0116572
TCONS_00062444	down	-1.5984888
TCONS_00027400	down	-2.8872662
TCONS_00127945	up	1.6081853
TCONS_00007423	down	-1.2632606
TCONS_00066322	down	-1.2243726
TCONS_00068040	down	-1.4367993
TCONS_00135298	up	1.2280433
FR146672	up	1.8758407
ENSRNOT00000002894	down	-1.1516948
TCONS_00016536	down	-1.5199809
TCONS_00111564	up	1.2601187
TCONS_00058252	down	-1.696176
XR_145741.1	down	-1.0841875
XR_145900.1	up	1.1829891
TCONS_00106613	up	1.0988183
ENSRNOT00000066358	down	-1.2547512
TCONS_00017012	up	1.5328624
uc.226+	down	-1.443666
TCONS_00097517	down	-2.9403853
ENSRNOT00000055436	up	2.585516
TCONS_00010714	up	1.4297764
XR_145910.1	up	1.044651
TCONS_00136403	up	1.7331762
TCONS_00140116	down	-1.8973191
XR_147157.1	up	1.6422348
TCONS_00089908	down	-3.40792
TCONS_00045827	up	1.2752233

XR_146164.1	up	1.1727247
ENSRNOT00000059557	down	-3.4375436
TCONS_00036342	up	1.4207678
TCONS_00107298	up	1.9660926
XR_146133.1	up	1.0148077
TCONS_00097512	down	-2.5421064
ENSRNOT00000074126	up	1.4798489
TCONS_00045072	up	1.5164266
TCONS_00111969	down	-1.1714072
XR_146472.1	down	-1.2615814
XR_146139.1	down	-1.291235
TCONS_00017271	up	1.761796
TCONS_00035992	down	-1.7662177
ENSRNOT00000075246	up	1.6146727
XR_147070.1	up	1.1948304
TCONS_00061948	up	2.7115273
TCONS_00036664	down	-2.8859663
TCONS_00059338	up	1.3775766
TCONS_00135198	up	4.6157875
TCONS_00054258	down	-1.6964917
TCONS_00032006	down	-1.138227
TCONS_00129756	up	1.1928782
ENSRNOT00000073020	down	-1.5041947
TCONS_00075536	down	-2.2657316
XR_146595.1	up	1.0787988
TCONS_00074471	down	-2.8700325
TCONS_00131457	up	3.1486316
TCONS_00045070	up	1.7335024
TCONS_00061480	down	-1.6048812
TCONS_00130363	down	-1.1876147
TCONS_00135369	down	-2.8782537
TCONS_00097520	down	-3.1696086
TCONS_00056710	down	-3.023777
TCONS_00122055	up	1.8410506
XR_146165.1	up	2.896917
XR_146240.1	up	1.4920588
ENSRNOT00000017200	up	1.8180413
TCONS_00015220	down	-2.3287485
TCONS_00015773	down	-1.5478662
TCONS_00045364	up	1.5971231
TCONS_00034371	up	1.0754745
uc.388+	down	-1.0770857
TCONS_00129921	down	-1.365633
uc.406+	down	-2.0781255
TCONS_00106588	up	3.4462066
TCONS_00089629	up	1.5994358
TCONS_00041450	up	1.0678425
TCONS_00121361	up	1.3807554
TCONS_00122123	down	-1.0119615
TCONS_00077647	down	-1.1542912
ENSRNOT00000071845	up	1.2643163
TCONS_00014872	down	-1.2102928
ENSRNOT00000073949	down	-2.0097249
TCONS_00074960	up	2.508038
XR_147151.1	up	1.4493408
ENSRNOT00000074812	up	1.0413854

TCONS_00048388	up	1.692642
XR_145767.1	down	-1.2764707
TCONS_00075759	up	1.0786524
TCONS_00045077	up	1.8995786
TCONS_00132173	up	1.0943937
TCONS_00054626	down	-1.6149077
TCONS_00045633	up	1.4242473
TCONS_00027396	down	-1.6131907
TCONS_00015980	up	1.9615755
TCONS_00027802	up	1.9957314
NR_102351.1	down	-1.9677615
TCONS_00129477	up	1.607233
TCONS_00089988	up	3.550687
TCONS_00089611	up	1.2069621
ENSRNOT00000008849	down	-1.0722342
TCONS_00096784	down	-1.7332852
TCONS_00073487	up	2.2210677
TCONS_00020191	down	-1.6627979
TCONS_00046990	down	-1.1695104
TCONS_00121754	down	-1.1405096
TCONS_00113703	up	2.6261961
TCONS_00016559	down	-1.4982214
TCONS_00066247	up	1.5427701
TCONS_00015983	up	1.2656145
TCONS_00125733	up	3.161799
TCONS_00027933	up	1.8503304
TCONS_00080782	down	-1.8181725
TCONS_00129616	up	2.4870527
TCONS_00054252	down	-2.0075972
TCONS_00134744	up	1.4124703
NR_002151.1	down	-1.5724962
TCONS_00061070	down	-1.144737
uc.88+	up	1.735116
TCONS_00045766	up	1.1001363
TCONS_00118048	down	-1.1480206
XR_085737.1	down	-1.0111732
ENSRNOT00000032582	up	1.0194192
TCONS_00027776	up	1.4404485
XR_147149.1	up	1.4026623
TCONS_00088275	down	-1.6553979
uc.274+	down	-1.4895626
uc.121+	down	-1.0679293
TCONS_00091051	up	1.175318
TCONS_00097560	down	-2.7037935
XR_145824.1	up	1.785707
TCONS_00045182	down	-1.2839031
XR_146469.1	up	1.4224281
ENSRNOT00000075806	up	1.1983166
ENSRNOT00000031937	down	-1.3030627
TCONS_00045338	up	1.0582638
ENSRNOT00000073515	up	2.5156994
uc.264+	down	-1.1705644
TCONS_00106320	down	-2.0784974
XR_086050.3	down	-1.6397691
TCONS_00094600	up	1.1228371
TCONS_00113617	down	-1.4798002

TCONS_00017320	up	1.1844301
TCONS_00098083	down	-2.6745498
TCONS_00027833	up	1.4335012
TCONS_00113076	up	1.6947834
TCONS_00094521	down	-2.650557
TCONS_00135410	up	1.1938845
XR_085832.2	down	-1.4888444
NR_102353.1	down	-2.9678822
uc.89+	down	-2.0132055
TCONS_00043473	down	-2.3096876
TCONS_00117032	up	1.4953647
TCONS_00036854	up	1.2188597
TCONS_00015566	up	1.6193609
ENSRNOT00000074334	up	1.1598234
XR_146542.1	down	-1.4871936
TCONS_00010838	up	1.8181785
TCONS_00135130	down	-1.227035
TCONS_00040550	down	-2.0195167
TCONS_00066611	up	1.5855494
TCONS_00017368	up	1.102879
ENSRNOT00000073915	down	-2.72784
TCONS_00129121	down	-2.1195302
ENSRNOT00000052316	up	1.4695187
TCONS_00111100	down	-3.0299058
TCONS_00017430	down	-1.0486603
TCONS_00056782	down	-1.4589581
TCONS_00089392	down	-2.2675273
TCONS_00074679	down	-1.0493736
TCONS_00135296	up	1.0571127
TCONS_00088842	down	-1.0890722
TCONS_00107533	up	2.0745826
ENSRNOT00000075231	up	1.4374416
ENSRNOT00000074880	up	1.7893898
TCONS_00015178	down	-2.334804
TCONS_00079382	down	-3.382371
TCONS_00062510	down	-1.9200344
TCONS_00074478	down	-2.8583195
TCONS_00036339	down	-2.219602
TCONS_00038929	up	2.0278442
TCONS_00027879	up	2.3175204
TCONS_00112791	up	1.0456254
TCONS_00098075	down	-1.0827308
ENSRNOT00000002330	down	-1.0788803
TCONS_00026502	up	2.2847161
TCONS_00107417	down	-1.1847701
TCONS_00083703	down	-1.591146
TCONS_00129950	up	1.0171795
TCONS_00017327	up	1.5448592
uc.34+	down	-1.3829982
TCONS_00054868	up	1.8338547
ENSRNOT00000034194	up	1.2064562
TCONS_00050330	up	1.0820036
TCONS_00017044	down	-2.4550843
TCONS_00026705	up	1.084435
uc.443+	down	-1.3357465
uc.184+	up	1.6052771

TCONS_00031823	up	1.4175987
TCONS_00045369	up	1.7847686
TCONS_00122094	up	4.0812535
ENSRNOT00000074914	up	1.0796278
TCONS_00098230	up	5.0796247
TCONS_00045702	up	1.0511236
ENSRNOT00000072932	up	1.3818583
TCONS_00036408	up	1.1896996
TCONS_00024937	down	-1.4226394
TCONS_00113647	up	1.5454597
TCONS_00039617	up	1.4602075
TCONS_00041037	up	1.7264018
XR_147186.1	down	-1.4144983
XR_086340.1	down	-1.012866
TCONS_00056240	up	1.0060148
TCONS_00052829	down	-1.4135733
XR_146324.1	up	1.3349075
TCONS_00027226	up	1.0125561
TCONS_00059060	up	2.143015
TCONS_00066467	up	1.1311431
TCONS_00040950	down	-2.0111752
TCONS_00015855	down	-1.3938315
TCONS_00074872	up	1.7112818
TCONS_00073244	up	1.4454739
XR_146917.1	up	1.9109983
TCONS_00106049	down	-1.1576672
TCONS_00082331	down	-2.0616794
TCONS_00040561	down	-1.3377025
TCONS_00027862	down	-1.2404404
uc.225+	down	-1.6302496
TCONS_00015967	down	-1.3830769
TCONS_00008900	up	2.0075073
TCONS_00120428	down	-1.0714712
TCONS_00112867	up	2.2500792
XR_085646.2	up	1.0257387
TCONS_00066437	down	-1.2139006
XR_146431.1	up	1.358067
ENSRNOT00000023629	up	1.8892231
TCONS_00089473	up	1.1417513
ENSRNOT00000040395	down	-1.4723749
TCONS_00043934	up	1.1335697
ENSRNOT00000075278	up	1.5311823
ENSRNOT00000071072	up	1.6217237
TCONS_00080179	up	1.6802505
ENSRNOT00000045891	down	-1.1506312
TCONS_00030660	up	1.0421364
TCONS_00096758	down	-1.0100703
TCONS_00036400	up	1.7949033
TCONS_00098088	down	-1.6201406
TCONS_00088941	down	-1.559155
TCONS_00035955	up	1.229065
TCONS_00087317	down	-1.0965648
ENSRNOT00000030033	down	-1.6659021
TCONS_00125881	up	1.7847881
TCONS_00135056	up	1.5788617
TCONS_00097310	down	-2.383473

TCONS_00075182	up	1.7104104
ENSRNOT00000030916	down	-1.1392403
TCONS_00027325	up	1.6347299
ENSRNOT00000055314	up	1.8490276
TCONS_00075087	up	1.3874583
ENSRNOT00000073803	down	-1.7221521
TCONS_00135397	up	2.4997468
XR_146927.1	up	1.5813308
XR_085633.1	down	-2.2893243
TCONS_00095611	down	-1.23598
TCONS_00027394	down	-1.9072201
XR_009634.2	down	-1.3104758
ENSRNOT00000035499	down	-1.3845453
TCONS_00107419	down	-1.2843585
TCONS_00075519	down	-1.4185898
XR_146227.1	down	-2.3952937
TCONS_00066375	down	-1.0164948
TCONS_00071072	down	-1.4892943
TCONS_00135399	up	1.0389881
TCONS_00118546	up	2.033505
TCONS_00040469	up	1.6495881
XR_145963.1	up	1.1517296
TCONS_00140065	up	1.3408794
TCONS_00059149	down	-2.1611633
TCONS_00091028	down	-1.4696622
TCONS_00130169	up	1.4450572
TCONS_00129658	down	-1.6361854
TCONS_00027277	up	1.2224774
TCONS_00040463	down	-1.0684271
TCONS_00034399	up	1.1935425
TCONS_00056527	up	1.0012374
TCONS_00040785	down	-1.8445566
TCONS_00089550	up	2.0443244
TCONS_00032379	down	-1.2959926
XR_146631.1	down	-2.133953
XR_147145.1	up	1.5740857
TCONS_00071617	down	-1.8345456
TCONS_00129925	down	-1.4053826
TCONS_00121347	up	1.3944435
TCONS_00054436	up	1.328054
TCONS_00040601	up	1.1508708
ENSRNOT00000031839	up	1.7883067
ENSRNOT00000044694	up	1.9909797
ENSRNOT00000007699	down	-1.6185102
TCONS_00033322	down	-1.7032738
TCONS_00031509	down	-1.6598978
TCONS_00062199	down	-1.6604855
TCONS_00050176	up	1.4585471
TCONS_00062716	up	1.1993465
TCONS_00089053	up	1.2194257
TCONS_00065430	down	-1.6058564
TCONS_00028222	down	-2.2064414
TCONS_00006559	up	1.0299559
TCONS_00062153	up	1.5839157
uc.411+	down	-1.0115054
TCONS_00014999	down	-3.6441016

TCONS_00027184	down	-1.0651567
TCONS_00024581	up	1.0895934
TCONS_00028529	down	-1.316428
TCONS_00083707	down	-1.7165697
uc.365+	up	1.2086563
TCONS_00016396	down	-1.9980345
TCONS_00045074	up	1.6669755
TCONS_00095543	down	-2.0959978
TCONS_00058306	up	1.6231494
TCONS_00088781	up	1.6933613
TCONS_00103856	down	-3.003828
ENSRNOT00000027660	down	-1.916482
ENSRNOT00000039294	down	-1.8036222
TCONS_00081870	down	-1.3245962
TCONS_00075691	up	3.006781
TCONS_00066293	down	-1.3689747
TCONS_00059935	up	1.0032635
TCONS_00066250	down	-1.646102
TCONS_00059148	down	-3.6601472
TCONS_00135259	up	1.4097056
TCONS_00049973	up	1.4565737
XR_086057.1	down	-1.6111369
TCONS_00139871	down	-1.6704817
TCONS_00054629	down	-1.2663031
TCONS_00095029	up	1.0352802
TCONS_00036186	down	-1.6239836
ENSRNOT00000029702	down	-1.1361508
TCONS_00112764	up	1.8683414
TCONS_00089045	down	-2.7972798
uc.94+	up	1.8624346
ENSRNOT00000070799	up	1.6719744
TCONS_00117493	up	1.2648735
TCONS_00031684	up	1.4882889
TCONS_00116182	up	2.1077092
TCONS_00082285	down	-4.6552973
TCONS_00074196	up	1.2716074
ENSRNOT00000043630	down	-1.5599394
uc.113+	up	3.4603782
TCONS_00079198	down	-1.1609206
TCONS_00045098	down	-1.6068159
TCONS_00045432	up	1.7460003
TCONS_00079339	down	-1.1547258
uc.203+	down	-1.050147
TCONS_00075742	up	2.1848907
TCONS_00074953	up	1.8768532
TCONS_00070506	up	1.0322461
TCONS_00015468	down	-1.1052895
uc.138+	up	1.4544897
TCONS_00122346	up	1.3293753
TCONS_00077817	up	5.4489107
TCONS_00041064	up	1.0263331
XR_145930.1	down	-2.1006413
TCONS_00049848	up	1.2046232
TCONS_00108257	up	1.4258962
TCONS_00122237	up	1.4265752
XR_146115.1	down	-1.0174289

TCONS_00062773	up	2.9541512
TCONS_00129612	up	1.260293
TCONS_00061732	up	1.2986755
TCONS_00050162	down	-1.5066109
TCONS_00104044	down	-1.726277
TCONS_00075065	up	1.0855923
TCONS_00134323	up	1.1828029
ENSRNOT00000074779	down	-1.2482519
TCONS_00041063	up	1.3712134
XR_146718.1	up	1.6665149
TCONS_00053245	up	1.4575589
TCONS_00077554	down	-1.0755951
uc.477+	up	1.5686979
TCONS_00090885	up	1.629096
TCONS_00060459	down	-2.0617168
TCONS_00115519	up	1.0972579
ENSRNOT00000071347	up	1.2741091
TCONS_00054403	up	1.7063432
TCONS_00034803	up	1.0663705
TCONS_00084895	down	-1.3199811
XR_146702.1	up	1.0437746
TCONS_00101828	up	1.3356047
TCONS_00089250	down	-2.783198
TCONS_00042649	up	1.0651715
TCONS_00012526	up	1.4237235
TCONS_00113312	down	-1.4792073
TCONS_00045366	up	1.0850277
ENSRNOT00000040892	up	1.9866438
TCONS_00035910	up	1.0056038
TCONS_00020190	down	-1.7314727
ENSRNOT00000058957	up	3.0367174
TCONS_00070514	up	1.2921252
TCONS_00009008	up	2.5498688
TCONS_00106420	down	-1.8510108
TCONS_00054326	down	-1.0588989
TCONS_00017266	up	1.2199407
uc.317+	down	-2.8869033
ENSRNOT00000072038	up	1.7404091
TCONS_00135406	up	1.0625575
TCONS_00122315	up	1.0488539
TCONS_00043925	up	1.231813
TCONS_00121572	down	-1.5051465
TCONS_00089576	up	1.6556983
TCONS_00028321	down	-1.8843043
TCONS_00050032	up	1.7251127
ENSRNOT00000075140	up	1.5603349
TCONS_00061344	down	-3.4144893
TCONS_00077367	up	2.881259
TCONS_00015918	up	1.3883753
XR_146066.1	up	1.0650244
TCONS_00111673	up	1.1420684
TCONS_00059216	up	1.8686962
ENSRNOT00000030314	down	-1.2832899
TCONS_00101871	up	1.4768167
TCONS_00113636	up	1.842488
TCONS_00000925	down	-1.642142

ENSRNOT00000011831	up	1.3230348
TCONS_00079297	down	-1.7005739
TCONS_00037323	down	-1.7966205
TCONS_00000182	down	-2.3238425
TCONS_00057642	down	-1.3448563
TCONS_00027847	up	1.057962
TCONS_00039288	up	1.4650071
ENSRNOT00000075023	up	2.2485847
TCONS_00118798	down	-1.6985922
TCONS_00016884	down	-1.0278072
TCONS_00100075	down	-1.8243198
TCONS_00043391	down	-1.4019976
XR_146172.1	down	-1.6937065
uc.246+	down	-1.7084179
XR_146556.1	down	-4.772669
XR_146924.1	down	-1.908298
TCONS_00077641	down	-1.2767816
XR_145822.1	up	1.3773069
TCONS_00027786	up	2.0985973
TCONS_00054415	down	-2.5102866
TCONS_00040140	up	1.4669738
TCONS_00134669	up	1.3210077
TCONS_00036273	down	-1.7259804
TCONS_00027687	down	-1.5631998
TCONS_00027900	up	1.0797839
TCONS_00040457	down	-1.5559964
TCONS_00050115	down	-1.3000066
TCONS_00132704	up	1.7178569
TCONS_00021783	up	1.5938263
TCONS_00017022	up	1.3667068
TCONS_00054034	up	1.2256992
TCONS_00069972	up	1.0325289
TCONS_00036246	up	4.5043354
TCONS_00053451	down	-1.7120857
TCONS_00035663	up	1.378463
TCONS_00049301	up	2.8502922
TCONS_00040842	down	-1.1652358
TCONS_00017490	down	-2.1280353
TCONS_00062687	up	3.1500292
TCONS_00075521	down	-2.120368
TCONS_00053182	up	1.0231657
TCONS_00124486	down	-2.023255
XR_085881.1	down	-2.3756473
TCONS_00028225	down	-1.3486156
TCONS_00115296	down	-1.4479442
TCONS_00081189	down	-1.2637033
TCONS_00043127	up	1.5463586
TCONS_00034261	down	-2.674329
XR_146730.1	up	1.2646332
ENSRNOT00000041969	up	1.9741745
TCONS_00083706	up	1.2818551
TCONS_00097492	down	-1.4752064
TCONS_00023117	up	1.289319
TCONS_00030492	up	2.7620564
TCONS_00079429	down	-2.8789434
TCONS_00079157	up	1.0141823

uc.326+	up	2.8649836
TCONS_00125586	up	1.345029
XR_145755.1	up	1.7027626
TCONS_00027742	down	-1.1582422
TCONS_00011195	down	-2.2114103
TCONS_00015375	down	-1.2262112
TCONS_00015842	down	-1.987734
TCONS_00088176	up	1.4629527
TCONS_00001294	down	-1.0470371
XR_145927.1	down	-1.8895632
TCONS_00107060	up	1.1393125
TCONS_00088859	down	-2.4635348
ENSRNOT00000035482	down	-2.0329676
XR_146645.1	up	1.1100683
NR_037614.1	down	-2.119322
TCONS_00075784	up	1.4744585
ENSRNOT00000073095	up	1.6116495
uc.323+	down	-1.6004685
TCONS_00118800	up	1.400718
TCONS_00010544	up	1.3991442
TCONS_00113268	up	1.0580869
TCONS_00016395	down	-3.1866703
TCONS_00129392	up	1.2298727
TCONS_00045675	down	-1.743
TCONS_00003049	down	-1.7924833
TCONS_00093592	up	1.5101528
ENSRNOT00000039834	up	1.7212138
TCONS_00033383	down	-1.2693753
TCONS_00076647	up	1.3620735
TCONS_00018254	up	2.2267747
TCONS_00129843	down	-1.5725632
ENSRNOT00000039482	up	1.9599395
ENSRNOT00000072545	up	2.7108445
TCONS_00017240	up	1.1561046
TCONS_00054042	down	-1.4040301
ENSRNOT00000072687	down	-2.1832862
TCONS_00086610	down	-1.9432883
TCONS_00040722	up	2.8606057
TCONS_00062827	down	-1.2503009
TCONS_00050001	up	2.0490983
TCONS_00089820	down	-2.0465086
XR_147059.1	up	1.4702024
TCONS_00074202	up	1.2882442
TCONS_00027839	down	-1.526087
TCONS_00089001	down	-1.8828566
TCONS_00074308	up	1.0471618
XR_146570.1	down	-1.3354561
XR_085864.2	up	1.1484308
TCONS_00126614	down	-1.424789
TCONS_00121401	down	-1.1014044
TCONS_00089033	up	2.1323404
XR_146954.1	down	-2.5443473
TCONS_00010749	down	-2.4955044
TCONS_00140194	up	1.201488
TCONS_00134998	up	1.5446558
TCONS_00002958	down	-1.261132

NR_073588.1	down	-4.757705
TCONS_00089832	up	3.9223976
TCONS_00076086	up	1.2485552
TCONS_00069836	down	-3.6751385
TCONS_00075703	down	-3.1897867
ENSRNOT00000058869	down	-1.2552185
TCONS_00081069	down	-1.5932021
XR_146332.1	up	1.2133579
TCONS_00081218	up	2.774043
XR_146549.1	down	-2.3826637
TCONS_00058575	up	2.1768522
TCONS_00122111	up	1.004703
TCONS_00097972	up	1.1945901
TCONS_00115243	up	1.0211911
TCONS_00059840	down	-1.1006889
ENSRNOT00000003363	up	1.450944
TCONS_00071871	up	2.9087906
TCONS_00074205	up	1.2297826
XR_146142.1	up	1.7299304
ENSRNOT00000067148	up	1.3672361
XR_085782.1	down	-2.090055
TCONS_00132682	down	-1.0804005
uc.140+	up	1.2767785
ENSRNOT00000074078	up	1.143595
ENSRNOT00000073328	up	1.4279485
ENSRNOT00000007522	down	-1.6768954
TCONS_00098463	up	1.3039248
TCONS_00053075	down	-1.5992441
TCONS_00074213	up	1.6236887
uc.287+	down	-1.7158315
TCONS_00140049	down	-1.9142022
TCONS_00027691	down	-1.652837
TCONS_00098266	up	1.6612616
TCONS_00122477	up	3.5175834
TCONS_00135006	up	1.4199362
TCONS_00072324	up	3.6210465
TCONS_00071297	up	1.6269112
TCONS_00017089	up	1.6590064
TCONS_00017019	down	-1.4445281
ENSRNOT00000048584	down	-1.08253
TCONS_00058984	up	1.4359269
TCONS_00075067	up	3.1408725
TCONS_00041901	up	1.1685624
TCONS_00129647	up	3.6635342
TCONS_00097522	down	-1.5147309
TCONS_00129986	down	-1.3268111
TCONS_00139569	down	-3.239974
TCONS_00086542	up	1.0516062
XR_146482.1	down	-1.7128558
TCONS_00086981	down	-1.0629561
uc.308+	down	-2.2647066
TCONS_00107871	down	-2.0952332
XR_146500.1	down	-1.4315286
ENSRNOT00000067642	down	-1.8668222
TCONS_00125829	up	5.208974
TCONS_00074201	up	1.1251526

TCONS_00020189	down	-2.2164726
TCONS_00021514	up	1.169914
uc.378+	down	-1.198112
TCONS_00075066	up	1.5759163
TCONS_00122387	down	-3.0267816
TCONS_00098349	down	-1.4406059
TCONS_00129579	up	1.8656209
NR_002597.1	up	1.641674
TCONS_00118046	up	1.506433
TCONS_00056280	up	1.0125296
TCONS_00122120	down	-1.673099
TCONS_00055605	down	-1.6231096
TCONS_00071889	up	1.8416195
ENSRNOT00000071156	down	-1.7349901
XR_146497.1	up	2.2420344
TCONS_00106616	up	1.3220944
TCONS_00110904	down	-1.848047
ENSRNOT00000013942	down	-1.2422371
TCONS_00097975	down	-1.2044334
XR_146504.1	down	-2.4177113
TCONS_00122394	up	1.7452402
TCONS_00048993	up	1.2644196
TCONS_00017479	down	-1.8169305
TCONS_00020192	down	-1.1897082
TCONS_00027224	up	2.4345055
TCONS_00007603	down	-1.3765192
TCONS_00087932	down	-1.7713828
TCONS_00123018	up	1.3966904
TCONS_00075221	up	1.0893598
TCONS_00035983	up	1.4299169
TCONS_00015447	up	1.0442786
XR_146592.1	up	1.1541443
XR_145752.1	up	1.0685697
NR_037674.1	down	-1.2176962
TCONS_00089296	up	1.3171444
TCONS_00129926	down	-1.455689
ENSRNOT00000044621	up	1.9062681
TCONS_00058983	up	1.3816595
TCONS_00129928	up	4.13939
TCONS_00017491	down	-1.4745528
TCONS_00129578	up	1.2265105
XR_146777.1	down	-1.4900007
TCONS_00098236	up	1.3094299
TCONS_00130083	down	-1.7983747
TCONS_00112583	down	-1.7086681
TCONS_00119074	down	-1.1150343
TCONS_00040514	down	-1.3617193
TCONS_00015835	down	-1.6723096
TCONS_00043401	down	-1.1182148
TCONS_00095582	up	2.140339
TCONS_00064907	up	1.0892372
TCONS_00129535	up	3.7600596
ENSRNOT00000071824	up	1.4556489
TCONS_00088861	down	-1.1018122
TCONS_00030407	up	4.3681087
TCONS_00064899	down	-1.1810236

XR_146169.1	up	1.752943
TCONS_00115842	up	1.156867
TCONS_00129903	up	2.187474
TCONS_00015696	down	-1.5992485
TCONS_00077611	up	1.0294874
TCONS_00135256	up	1.0983775
XR_146189.1	down	-1.0618939
TCONS_00106795	up	2.276651
TCONS_00001298	down	-1.0441809
TCONS_00118462	down	-2.563449
TCONS_00130295	up	3.960373
TCONS_00122192	up	1.0818663
TCONS_00054506	up	1.0836318
TCONS_00050149	up	3.2200408
TCONS_00015427	down	-1.3200431
uc.427+	up	1.023505
TCONS_00006847	up	1.3468795
TCONS_00101709	up	2.1416397
TCONS_00126743	up	2.189594
ENSRNOT00000065447	down	-1.279664
XR_146992.1	down	-1.6681852
TCONS_00081221	up	1.4310229
TCONS_00107145	down	-1.1852198
TCONS_00140162	down	-2.2225437
TCONS_00049900	up	2.0084155
TCONS_00045708	up	1.2054648
TCONS_00016405	up	1.602087
TCONS_00059147	down	-3.0064845
TCONS_00093921	up	2.1827543
TCONS_00031740	up	3.157536
ENSRNOT00000066890	down	-1.1372193
TCONS_00135487	down	-1.3314598
TCONS_00017493	down	-1.8735425
ENSRNOT00000039637	up	1.3487883
uc.345+	up	1.3007214
TCONS_00135615	up	1.0052752
TCONS_00113041	down	-1.3975933
TCONS_00003028	up	1.220232
ENSRNOT00000041892	down	-1.2865705
TCONS_00060078	down	-1.3812094
TCONS_00089527	down	-2.5051312
TCONS_00017244	up	3.3812752
TCONS_00017345	up	1.0879252
TCONS_00106261	up	1.4463825
TCONS_00113632	up	1.7577114
ENSRNOT00000050559	down	-1.6626406
TCONS_00121334	up	1.1450901
uc.50+	down	-1.0883427
ENSRNOT00000004831	down	-2.690514
TCONS_00036947	down	-1.8174394
TCONS_00062289	up	1.2766714
TCONS_00034306	up	1.0492508
ENSRNOT00000071542	down	-1.668015
XR_146732.1	down	-1.5460606
TCONS_00045071	up	1.6596718
TCONS_00061483	down	-2.4274

ENSRNOT00000071680	up	1.8761215
TCONS_00049721	up	1.0289717
TCONS_00106008	down	-1.4090815
ENSRNOT00000072004	up	1.2040923
XR_145740.1	up	1.2355561
XR_009207.2	down	-1.1235113
TCONS_00097546	down	-1.147882
TCONS_00131245	up	1.6985998
TCONS_00115368	down	-1.20101
TCONS_00027522	up	1.5168276
TCONS_00045361	up	1.4140158
TCONS_00016546	up	2.4341755
TCONS_00040850	up	2.0274472
TCONS_00122386	down	-1.0009751
TCONS_00024123	down	-1.5791279
XR_145790.1	up	1.1642127
XR_147150.1	up	1.7501049
ENSRNOT00000074522	down	-1.2609711
TCONS_00098367	up	1.6228313
TCONS_00017406	down	-1.0303643
TCONS_00127425	down	-1.4386544
TCONS_00106887	down	-1.1038575
TCONS_00019021	down	-1.1048474
TCONS_00135297	up	1.6178753
TCONS_00013381	up	1.1580362
XR_146948.1	down	-1.277492
TCONS_00015029	up	1.8133924
TCONS_00064719	up	1.7040553
TCONS_00089994	up	1.5920897
TCONS_00035090	down	-1.1959162
ENSRNOT00000028844	down	-1.972374
TCONS_00104076	up	1.4257472
TCONS_00105297	down	-2.019352
TCONS_00062292	up	1.1316752
TCONS_00036272	down	-1.1701903
TCONS_00007422	down	-3.5538766
TCONS_00036017	up	1.2771039
TCONS_00016640	down	-1.1719904
TCONS_00016416	up	1.2269931
TCONS_00030072	up	1.6478634
TCONS_00054786	down	-1.9291754
TCONS_00107006	up	1.427499
TCONS_00121345	up	1.2912068
TCONS_00072164	down	-2.671527
TCONS_00080813	down	-1.1350944
TCONS_00013616	up	2.137673
TCONS_00031894	up	1.0490618
TCONS_00140006	down	-2.2850738
ENSRNOT00000067415	up	1.2282891
TCONS_00054491	down	-4.105006
uc.117+	up	1.2317605
TCONS_00040462	down	-1.781926
TCONS_00018646	up	1.2031229
ENSRNOT00000016174	up	1.6343732
TCONS_00074969	up	2.7483582
uc.61+	down	-1.3072739

TCONS_00128045	up	1.6247864
TCONS_00072557	down	-1.394248
TCONS_00075037	up	1.1256309
XR_146656.1	up	1.9309151
TCONS_00076144	up	1.264998
XR_086051.2	down	-1.1412678
ENSRNOT0000002990	up	1.1692066
TCONS_00089394	down	-2.1174212
TCONS_00013987	up	2.2869697
ENSRNOT00000005566	down	-1.7268906
TCONS_00079655	up	1.2022631
TCONS_00135576	up	1.8436987
XR_085644.1	down	-2.2644615
XR_145869.1	down	-2.7847908
TCONS_00066016	up	2.577528
TCONS_00028400	up	2.5856295
XR_146262.1	down	-1.0596757
TCONS_00122886	up	1.0478148
TCONS_00043124	up	1.7006402
TCONS_00058738	up	1.208212
TCONS_00113606	up	3.6633139
ENSRNOT00000031325	up	1.4418757
TCONS_00121470	down	-1.2786252
TCONS_00083711	up	1.274564
TCONS_00112870	up	1.5088058
ENSRNOT00000067216	up	1.2915025
TCONS_00075023	up	1.9388573
XR_147164.1	up	1.8136005
TCONS_00054283	down	-1.6940336
uc.414+	up	1.2090049
TCONS_00107028	down	-1.1885715
TCONS_00107407	up	1.0616245
TCONS_00080781	down	-1.6958723
TCONS_00140040	up	1.1912847
TCONS_00059150	down	-2.8064752
ENSRNOT00000071292	up	1.6522112
ENSRNOT00000037724	up	1.9864092
XR_146747.1	down	-1.7017498
XR_146909.1	down	-2.0242784
XR_146825.1	down	-1.6644497
TCONS_00106614	up	1.3569527
XR_146494.1	up	2.1092505
TCONS_00129867	up	1.4445477
TCONS_00049996	down	-1.382051
TCONS_00012198	down	-1.8040357
TCONS_00138661	down	-1.0384326
TCONS_00016100	up	1.4372289
TCONS_00130457	up	1.9101486
TCONS_00038091	down	-1.2224231
XR_085885.3	up	1.5728625
TCONS_00058999	up	1.0430326
TCONS_00123247	down	-1.2846704
TCONS_00018330	up	1.2462525
TCONS_00079604	up	1.3968706
TCONS_00114853	up	1.8023801
ENSRNOT00000061795	up	1.3534784

TCONS_00140061	up	1.4559143
TCONS_00017250	down	-1.3325999
TCONS_00040588	down	-1.4800828
TCONS_00054492	down	-4.1526227
ENSRNOT00000025383	up	1.1295843
TCONS_00015408	up	1.8155079
TCONS_00040739	up	1.2641618
ENSRNOT00000075473	up	1.5616105
TCONS_00017354	up	1.3397298
NR_027839.1	down	-2.8255415
XR_147029.1	down	-1.1734056
TCONS_00117641	up	2.0263603
TCONS_00059396	up	1.4954648
TCONS_00088722	down	-2.3586905
TCONS_00061628	up	1.7552276
TCONS_00040275	up	2.0020475
TCONS_00027726	down	-1.8504028
TCONS_00052961	up	1.2710805
TCONS_00058659	up	1.6001248
uc.236+	up	1.558449
TCONS_00073904	up	1.1397748
XR_146527.1	up	1.6055698
TCONS_00016275	up	1.532975
TCONS_00075396	up	1.0946274
TCONS_00079185	up	1.3180294
TCONS_00062181	up	2.1066318
TCONS_00040562	down	-1.4327645
TCONS_00030044	up	1.8136439
TCONS_00054404	down	-1.0764735
ENSRNOT00000075749	up	1.2762561
TCONS_00088795	up	1.2757607
TCONS_00027222	down	-2.5432854
ENSRNOT00000074376	up	1.4591231
TCONS_00122470	down	-1.0565524
TCONS_00017357	up	1.0460886
TCONS_00015135	down	-3.7617679
TCONS_00003762	up	1.1907988
TCONS_00060088	down	-1.5956187
XR_145973.1	down	-2.2381625
TCONS_00085406	down	-1.5359796
XR_147152.1	up	1.2441015
TCONS_00075687	up	2.8328362
TCONS_00049795	up	1.3635583
ENSRNOT00000045433	up	1.1333079
TCONS_00095270	up	1.049268
TCONS_00106427	up	1.2464993
TCONS_00006842	up	2.038836
ENSRNOT00000073414	up	1.4192317
TCONS_00017233	up	1.529418
TCONS_00064314	up	1.3962779
TCONS_00135368	down	-3.437738
TCONS_00058978	up	1.0802445
TCONS_00028223	down	-1.0387793
TCONS_00107323	up	1.1075397
XR_145747.1	down	-1.5403924
TCONS_00058101	down	-3.6842165

TCONS_00113469	down	-2.4424706
ENSRNOT00000013741	up	2.889359
TCONS_00050365	up	1.2185826
TCONS_00074502	up	1.7503533
XR_147174.1	down	-1.5663013
uc.28+	down	-1.160449
TCONS_00059146	down	-4.742921
TCONS_00122388	up	3.616685
TCONS_00135005	up	1.7202921
TCONS_00009009	up	2.0779104
ENSRNOT00000043984	down	-1.0864229
TCONS_00113813	up	1.0800209
TCONS_00064440	up	3.357677
uc.478+	down	-1.441323
TCONS_00016457	up	1.1142955
TCONS_00074856	up	1.0222034
TCONS_00121417	up	1.1588154
TCONS_00038550	up	1.1998482
TCONS_00140201	up	1.3848643
ENSRNOT00000029150	down	-3.5563855
TCONS_00106662	up	1.4354663
TCONS_00019211	down	-1.6757822
TCONS_00134758	up	1.3369484
TCONS_00068389	up	1.6310515
TCONS_00064078	down	-1.2688313
TCONS_00045073	up	1.2289324
TCONS_00100347	up	2.449502
XR_145813.1	down	-1.3271437
TCONS_00106828	down	-1.1190727
TCONS_00075069	up	3.6767445
TCONS_00079383	down	-2.0479057
XR_146700.1	up	1.1264863
TCONS_00064495	down	-1.46415
XR_146490.1	down	-1.0498366
ENSRNOT00000072126	down	-2.9294028
TCONS_00058998	up	1.244853
TCONS_00013564	down	-1.4459767
ENSRNOT00000025224	down	-1.0230231
TCONS_00066097	up	1.0552306
TCONS_00050404	up	1.1380131
NR_037147.1	up	1.0777774
TCONS_00016184	up	1.4571021
TCONS_00072964	up	1.4267845
TCONS_00064436	down	-1.4002016
TCONS_00113350	up	2.5598328
ENSRNOT00000073542	down	-2.2451925
TCONS_00025275	down	-1.4479315
TCONS_00030846	down	-1.0947595
TCONS_00040033	down	-1.0777311
TCONS_00017364	up	1.2367668
TCONS_00112968	down	-2.6668386
TCONS_00110995	up	1.1801729
ENSRNOT00000008623	up	1.4318352
uc.242+	up	2.8109865
TCONS_00027748	down	-1.2513161
TCONS_00016459	up	2.9461942

TCONS_00031987	down	-1.8193374
TCONS_00064496	down	-1.7348952
TCONS_00106987	up	2.0667343
TCONS_00108819	down	-2.0607123
TCONS_00132891	up	2.0707536
TCONS_00023116	up	1.1437211
TCONS_00054487	down	-1.9940925
ENSRNOT00000056161	up	1.5384402
TCONS_00011262	down	-3.532184
TCONS_00088825	up	2.1153202
TCONS_00097739	up	1.4121275
TCONS_00075001	up	2.6772902
ENSRNOT00000061635	up	1.2835927
uc.134+	up	1.0185361
TCONS_00074397	up	1.0730591
XR_146304.1	down	-2.7368922
XR_146977.1	down	-1.1121883
TCONS_00062192	up	1.128792
TCONS_00034370	up	1.053539
TCONS_00089008	down	-1.1994715
TCONS_00040008	up	3.079307
TCONS_00083682	down	-1.1501576
ENSRNOT00000057111	up	1.0890503
TCONS_00044210	down	-1.7742233
ENSRNOT00000021852	up	1.7746277
TCONS_00050147	up	1.125804
ENSRNOT00000010275	up	2.3105817
TCONS_00129458	down	-2.3427854
TCONS_00045343	up	1.2751007
ENSRNOT00000050986	up	1.024888
TCONS_00045368	up	1.3414173
TCONS_00060074	down	-1.7623549
TCONS_00040436	down	-1.6457949
TCONS_00079117	up	3.7474022
TCONS_00079434	down	-3.183881
TCONS_00040351	up	1.5218592
ENSRNOT00000043882	up	1.2761455
TCONS_00075702	down	-2.561586
TCONS_00017473	up	2.3050914
TCONS_00058812	up	1.1516534
uc.479+	down	-1.0630312
TCONS_00059660	down	-1.9061754
XR_146153.1	down	-3.5422366
TCONS_00066411	up	1.1581244
TCONS_00052486	down	-1.2698395
uc.185+	down	-1.1333125
TCONS_00045348	up	1.4749875
TCONS_00040600	up	1.3017054
ENSRNOT00000075631	down	-1.6429901
ENSRNOT00000073640	up	1.3510208
uc.151+	down	-1.5868711
ENSRNOT00000029099	down	-1.1339025
TCONS_00072069	up	1.2462215
TCONS_00132706	down	-1.1045694
TCONS_00002039	down	-1.0012071
XR_146112.1	up	2.4414096

XR_145939.1	down	-1.1811209
ENSRNOT00000039245	up	1.2614226
XR_147073.1	up	1.3626261
TCONS_00097476	down	-2.482061
TCONS_00028302	down	-2.533195
NR_073076.1	down	-1.7615175
TCONS_00032005	down	-1.8514994
ENSRNOT00000073548	down	-1.1509972
TCONS_00047450	down	-1.0805372
ENSRNOT00000045789	up	1.5714409
XR_146665.1	up	1.4629254
TCONS_00029978	up	2.5611386
TCONS_00139883	up	1.06638
TCONS_00020472	down	-1.0007029
TCONS_00021843	up	1.0208554
TCONS_00025769	down	-1.4430137
XR_146190.1	up	1.5546255
TCONS_00122259	up	1.4197555
ENSRNOT00000051231	down	-1.4286647
TCONS_00002841	up	1.1324997
TCONS_00065281	down	-1.0283473
TCONS_00099990	up	2.1161416
TCONS_00128870	up	1.7182331
XR_147040.1	down	-2.2507985
TCONS_00074857	down	-1.0339078
ENSRNOT00000072821	up	1.0926597
TCONS_00091766	up	1.4537076
TCONS_00076218	up	1.6384902
TCONS_00135274	up	1.2823224
ENSRNOT00000049525	up	1.5074728
TCONS_00014432	up	1.1991503
TCONS_00135074	down	-2.0141332
ENSRNOT00000059551	down	-1.5052159
TCONS_00097346	down	-2.3621163
TCONS_00079238	up	3.5122204
TCONS_00135328	down	-1.0794556
TCONS_00115827	down	-1.973335
XR_146737.1	down	-1.3651066
TCONS_00097283	down	-2.8616614
TCONS_00139930	down	-1.169996
TCONS_00088223	down	-1.8339462
TCONS_00084215	up	1.1630392
TCONS_00007711	up	1.3514094
TCONS_00035929	down	-1.0910039
TCONS_00074968	up	2.6672797
XR_145833.1	down	-1.7415347
TCONS_00017238	up	1.133662
TCONS_00098085	down	-2.4876971
TCONS_00040051	up	1.6365669
ENSRNOT00000074553	up	1.008112
TCONS_00113540	down	-1.2210298
ENSRNOT00000029795	up	1.6018476
TCONS_00067514	down	-1.8246927
TCONS_00113675	up	1.1708007
TCONS_00044677	down	-1.0541458
TCONS_00056731	down	-1.4748304

TCONS_00074324	up	1.0428686
uc.189+	up	1.1337109
TCONS_00113309	down	-1.5032116
TCONS_00063118	up	1.0920157
TCONS_00110801	down	-1.4205966
TCONS_00088841	down	-1.2332952
TCONS_00032093	up	1.2236357
ENSRNOT00000071164	up	1.2885842
TCONS_00125933	up	1.82406
TCONS_00089355	up	2.0197515
TCONS_00068017	up	4.4516563
TCONS_00081927	down	-1.1992121
TCONS_00139869	down	-1.0203578
TCONS_00103352	down	-2.1280227
XR_146719.1	up	1.2157719
TCONS_00054578	down	-1.078357
TCONS_00139798	up	1.0523605
TCONS_00129931	down	-1.1114011
TCONS_00041584	up	3.3735924
TCONS_00122293	down	-2.0120113
TCONS_00054419	down	-2.169189
TCONS_00054789	up	1.1876512
ENSRNOT00000074647	down	-1.1569214
TCONS_00032768	up	1.809247
TCONS_00098084	down	-1.1142956
TCONS_00123796	up	2.0443602
XR_145763.1	up	1.4619336
uc.307+	down	-1.9043608
TCONS_00122354	down	-1.6751676
ENSRNOT00000050301	up	1.3030169
TCONS_00106956	up	1.351337
XR_146641.1	up	1.0455737
TCONS_00035763	up	4.473662
TCONS_00017386	up	1.3248148
TCONS_00062607	up	1.2426777
TCONS_00075235	up	1.0592535
TCONS_00119162	down	-1.9347858
TCONS_00013739	down	-1.2554743
TCONS_00074474	down	-1.9154383
TCONS_00042254	up	1.0671093
TCONS_00086758	down	-1.873812
TCONS_00016231	up	1.1190081
TCONS_00096508	down	-2.104673
TCONS_00119359	down	-1.1302016
TCONS_00097699	up	1.7233136
TCONS_00085729	down	-1.8822436
XR_085680.3	up	1.3769593
ENSRNOT00000050796	up	1.7427378
TCONS_00124676	up	1.4792376
XR_146517.1	down	-1.6043868
TCONS_00088780	up	1.3519444
TCONS_00116760	up	1.3359807
TCONS_00041930	up	1.2378974
TCONS_00016206	up	1.8035474
TCONS_00129509	down	-2.1086302
TCONS_00125302	down	-1.3296559

TCONS_00071161	up	1.9440349
TCONS_00089251	down	-2.892447
TCONS_00121756	down	-1.9927031
TCONS_00014238	down	-1.3216239
TCONS_00107535	up	1.4837956
TCONS_00058705	up	1.0396609
ENSRNOT00000033372	down	-2.446689
TCONS_00122082	up	3.1239836
ENSRNOT00000068335	up	1.0183313
ENSRNOT00000027754	down	-1.3339252
uc.245+	down	-2.6871097
TCONS_00044697	up	2.7624881
TCONS_00129923	down	-1.5650015
TCONS_00040466	up	1.3720155
TCONS_00027535	down	-2.2352602
TCONS_00069229	up	1.6447635
TCONS_00106583	down	-1.7532475
TCONS_00055820	up	1.1149688
TCONS_00027857	down	-1.4221525
TCONS_00091280	up	1.0357928
TCONS_00010933	up	2.461871
TCONS_00113876	up	1.948
TCONS_00053624	up	1.3710194
TCONS_00098352	down	-2.8555083
TCONS_00081072	down	-1.0148923
TCONS_00129590	up	1.1578307
TCONS_00010744	down	-2.1600883
TCONS_00028209	down	-2.3106723
XR_146550.1	down	-1.023394
TCONS_00100512	up	4.221694
TCONS_00122080	up	2.1295009
TCONS_00120694	up	1.4992332
TCONS_00113796	up	1.2988019
uc.356+	down	-1.0531325
TCONS_00074612	down	-1.8524319
TCONS_00075454	down	-1.1470044
TCONS_00107169	up	1.0755262
TCONS_00054410	up	1.0121365
TCONS_00041050	up	1.7659411
TCONS_00054216	down	-1.3565397
TCONS_00045190	up	1.2379992
TCONS_00017076	up	4.040229
TCONS_00045805	up	2.7408638
TCONS_00122374	up	1.0978036
XR_145872.1	down	-2.528234
XR_146191.1	up	1.5999646
TCONS_00007967	up	1.3506207
TCONS_00125828	up	2.350133
TCONS_00128337	up	1.1798172
TCONS_00045352	up	1.3949156
XR_008617.3	down	-1.4230464
TCONS_00113534	down	-1.490164
TCONS_00090092	up	1.6012168
TCONS_00139858	up	1.1489048
TCONS_00129443	up	1.2987928
TCONS_00050103	down	-1.069947

TCONS_00059370	up	1.8582058
TCONS_00015853	up	1.4523559
XR_146843.1	up	1.0471063
TCONS_00050883	up	3.885746
ENSRNOT00000074203	up	1.4176512
TCONS_00017226	up	1.566031
XR_085975.3	down	-1.5149217
XR_146168.1	down	-1.102602
TCONS_00110635	up	1.984283
TCONS_00121509	up	1.1305614
ENSRNOT00000036130	down	-1.4321547
TCONS_00131403	up	1.861163
TCONS_00111079	up	2.6966476
TCONS_00049066	up	1.1109228
TCONS_00079437	down	-2.0571573
ENSRNOT00000037406	down	-1.4496727
ENSRNOT00000066948	down	-1.5382769
TCONS_00088882	up	1.7717175
TCONS_00016745	up	2.2773538
ENSRNOT00000073196	down	-1.5012629
TCONS_00030209	down	-1.0198169
XR_145917.1	down	-5.0487776
TCONS_00040598	down	-1.6213546
TCONS_00031813	up	2.9362016
TCONS_00017488	down	-1.3783944
TCONS_00113633	up	1.8898153
TCONS_00096837	up	1.4808087
TCONS_00062399	down	-1.0826483
TCONS_00089951	down	-2.0718052
TCONS_00063145	down	-1.49542
TCONS_00045818	up	1.2884536
XR_147025.1	up	1.3795872
TCONS_00132248	up	1.2137642
TCONS_00113431	up	1.6705589
TCONS_00135015	down	-1.0544786
TCONS_00050049	up	1.6881876
ENSRNOT00000005365	up	1.2036991
XR_085607.2	down	-1.1446409
ENSRNOT00000016007	down	-1.6524417
TCONS_00110169	up	1.0023985
XR_146912.1	up	2.7166119
XR_008869.3	down	-1.135107
TCONS_00122236	down	-1.0110934
TCONS_00082000	down	-1.6531777
XR_146340.1	down	-1.1579852
XR_146130.1	up	1.6870136
TCONS_00006619	up	1.3104157
TCONS_00113618	down	-1.6441951
TCONS_00014660	down	-1.239099
TCONS_00054414	up	1.7128668
XR_086274.2	down	-1.2990065
TCONS_00073371	down	-1.2535357
XR_145867.1	down	-1.1193457
TCONS_00074423	down	-1.6941681
TCONS_00009939	down	-1.6426992
TCONS_00062560	up	1.0946677

TCONS_00092416	down	-2.2224002
TCONS_00000354	up	1.5295734
TCONS_00062817	down	-1.8712993
TCONS_00107081	up	1.7334664
uc.420+	down	-1.5237739
TCONS_00117525	up	1.012218
XR_146193.1	down	-1.1415067
TCONS_00076643	up	1.106457
uc.40+	down	-4.8941436
TCONS_00054488	down	-1.1872592
ENSRNOT00000022127	down	-1.0694399
ENSRNOT00000011847	down	-1.0244884
