

Supplementary Table3: TCGA lncRNA pair data were analyzed and 426 lncRNA pairs were obtained.

lncRNA	p.value	HR	Low 95%CI	High 95%CI
AC092198.1-vs-AC003009.1	0.00488 2	0.52283 6	0.33285 5	0.82125
AL691482.3-vs-AC003009.1	0.00583 1	0.05947 8	0.008	0.44220 9
AC018647.2-vs-AC004253.1	0.0008	0.03013 5	0.00389 1	0.23341 3
AC135050.5-vs-AC004895.1	0.00058 2	0.17398	0.06423	0.47125 8
AL691482.3-vs-AC005332.7	0.00732 5	0.49525 3	0.29633 8	0.82768 8
LINC00884-vs-AC005552.1	0.00500 9	0.05636 8	0.00756 5	0.42003 7
AC007608.1-vs-AC005552.1	0.00617 7	1.47461 5	1.11671 4	1.94722 1
AC018647.2-vs-AC006435.2	4.97E-05	0.14813 9	0.05888 7	0.37266 5
LINC02352-vs-AC007040.1	0.00312 9	0.47083 2	0.28567 5	0.77599 5
AP001094.3-vs-AC007040.1	0.00056 1	0.63038 2	0.48501 7	0.81931 6
AC106037.2-vs-AC007040.1	0.00207 6	0.66328 4	0.51074 6	0.86137 8
AP001094.3-vs-AC007216.1	0.00656 6	0.69744 5	0.53785 9	0.90438
AL024498.1-vs-AC007216.1	0.00037 2	0.25171 2	0.11776 6	0.53800 9
AC010531.6-vs-AC007406.3	0.00272 9	0.64109 9	0.47934 5	0.85743 7
AL390208.1-vs-AC007431.2	0.00150 5	0.41332 9	0.23951 7	0.71327
AL596325.2-vs-AC007598.2	0.00505 8	0.48685 3	0.29433 2	0.8053
AC106037.2-vs-AC007598.2	0.00753 8	0.69990 7	0.53873 7	0.90929 1
AL691482.3-vs-AC007598.2	0.00583 1	0.05947 8	0.008	0.44220 9
AL391845.1-vs-AC007608.1	0.00601 7	0.67940 3	0.51564	0.89517 7
KIAA2012-AS1-vs-AC007608.1	0.00698	0.69015	0.52713	0.90357

	7	2	7	9
MRV1-AS1-vs-AC007608.1	0.00451	0.61194	0.43601	0.85884
	3		6	5
AL024498.1-vs-AC007608.1	0.00276	0.11428	0.02760	0.47306
	5	4	9	1
C22orf24-vs-AC007608.1	0.00842	0.65733	0.48108	0.89815
	9	6	6	7
AC090229.1-vs-AC007787.1	0.00431	0.59648	0.41831	0.85053
	4	4	7	6
AC092868.2-vs-AC007787.1	0.00443	0.65373	0.48782	0.87607
		5	6	
PRR34-vs-AC007787.1	0.00939	0.57504	0.37878	0.87300
		7	1	9
AC005837.1-vs-AC007787.1	0.00770	0.52623	0.32817	0.84382
	4	5	6	7
AL596325.2-vs-AC007787.1	0.00121	0.43643	0.26410	0.72121
	6	6	4	8
CFAP58-DT-vs-AC007787.1	0.00804	0.52844	0.32971	0.84693
	3	2	8	7
AL691482.3-vs-AC007787.1	0.00597	0.13872	0.03392	0.56720
	5	3	8	6
AL691482.3-vs-AC007952.9	0.00583	0.05947	0.008	0.44220
	1	8		9
AC007608.1-vs-AC007991.3	0.00380	1.50819	1.14183	1.99208
	1	1	9	4
AC092198.1-vs-AC008103.1	0.0018	0.47133	0.29390	0.75588
		3	3	
AL691482.3-vs-AC008103.1	0.00583	0.05947	0.008	0.44220
	1	8		9
AL691482.3-vs-AC008115.2	4.95E-05	0.17665	0.07647	0.40808
		6	2	8
AL691482.3-vs-AC008738.6	0.00583	0.05947	0.008	0.44220
	1	8		9
ARLNC1-vs-AC008738.6	0.00114	0.46193	0.29002	0.73575
	5	9	7	
AC092198.1-vs-AC008739.1	0.00285	0.48700	0.30353	0.78136
	6	5	8	4
AL691482.3-vs-AC008739.1	0.00583	0.05947	0.008	0.44220
	1	8		9
ARLNC1-vs-AC008739.1	0.00638	0.46542	0.26861	0.80642
	9	1	4	5
AC092198.1-vs-AC009396.3	0.00059	0.42716	0.26293	0.69394
	1		9	6
AC092198.1-vs-AC010132.1	6.50E-05	0.39611	0.25145	0.62400

		4	1	3
LINC02352-vs-AC010132.1	0.00023	0.06693	0.01585	0.28257
	3	9	7	2
AC097532.2-vs-AC010132.1	0.00593	0.36827	0.18076	0.75028
	7	2	4	4
AC016831.5-vs-AC010132.1	0.00404	0.46049	0.27138	0.78138
	8	2	2	
MATN1-AS1-vs-AC010333.3	0.00021	0.11135	0.03476	0.35663
	9	3	8	3
AL391845.1-vs-AC010333.3	0.00843	0.67212	0.50011	0.90330
	4	7	2	9
LINC02352-vs-AC010333.3	0.00011	0.10204	0.03202	0.32517
	3	8	5	
AL512625.1-vs-AC010333.3	1.13E-05	0.00435	0.00038	0.04932
		9	5	3
AC010894.3-vs-AC010333.3	0.00849	0.68871	0.52170	0.90918
	2	2	2	7
MCPH1-AS1-vs-AC010333.3	1.13E-05	0.00435	0.00038	0.04932
		9	5	3
MRV1-AS1-vs-AC010333.3	0.00268	0.50737	0.32576	0.79024
	9	8	1	9
AL691482.3-vs-AC010745.1	0.00583	0.05947	0.008	0.44220
	1	8		9
AC048344.4-vs-AC010974.1	0.00999	0.30611	0.12436	0.75345
	6	6	9	6
AC004596.1-vs-AC010974.1	0.00471	1.91937	1.22116	3.01680
	4	9	3	9
AL133215.3-vs-AC012038.2	0.00798	0.68577	0.51898	0.90618
	3	9	1	5
AC092198.1-vs-AC012150.1	0.00335	0.63228	0.46547	0.85886
	1	3	4	9
AC097634.3-vs-AC012150.1	0.00335	0.50881	0.32393	0.79920
	9		1	6
AC027130.1-vs-AC012150.1	0.00342	0.65234	0.49003	0.86841
	8	3	4	2
AP001094.3-vs-AC012150.1	0.00972	0.67829	0.50538	0.91037
	6	8	6	1
AC097532.2-vs-AC012150.1	0.00020	0.43030	0.27570	0.67161
	5	7	2	
AL133215.3-vs-AC012531.1	0.00042	0.60884	0.462	0.80235
	5			
PRR34-vs-AC012531.1	0.00611	0.60567	0.42321	0.86680
	6	8	6	5
BMS1P4-vs-AC012531.1	0.00574	0.58032	0.39443	0.85383

	4	7	2	4
AL596325.2-vs-AC012531.1	0.00605	0.56786	0.37909	0.85063
	9	3		8
AP001094.3-vs-AC012531.1	0.00992	0.69764	0.53061	0.91725
	3	3	2	5
LINC00449-vs-AC012531.1	0.00079	0.51149	0.34575	0.75668
	3	2		4
AC106037.2-vs-AC012531.1	0.00292	0.67035	0.5151	0.87241
	6	8		2
AC025154.2-vs-AC012531.1	0.00984	0.26969	0.09970	0.72953
	9	5	2	1
LINC02352-vs-AC013799.1	0.00151	0.19826	0.07292	0.53902
	9	9	9	8
AC129507.1-vs-AC015909.2	0.00414	0.61104	0.43635	0.85567
	1	9	6	9
AC048344.4-vs-AC019211.1	0.00748	0.14516	0.03529	0.5971
	1	2		
PRR34-AS1-vs-AC019211.1	0.00583	0.05947	0.008	0.44220
	1	8		9
AC092198.1-vs-AC020743.2	0.00040	0.41666	0.25647	0.67690
	6	6	7	5
LINC00884-vs-AC020743.2	0.00500	0.05636	0.00756	0.42003
	9	8	5	7
AL691482.3-vs-AC020743.2	0.00583	0.05947	0.008	0.44220
	1	8		9
ARLNC1-vs-AC020743.2	0.00752	0.46036	0.26063	0.81312
	4		8	5
AC092198.1-vs-AC021134.1	0.00078	0.50527	0.33916	0.75273
	9	6	8	5
AL691482.3-vs-AC021134.1	0.00755	0.20803	0.06574	0.65832
	7	6	2	
LINC00884-vs-AC022031.2	0.00774	0.52618	0.32800	0.84410
	9	2	2	2
AC092198.1-vs-AC022166.1	0.00041	0.44946	0.28844	0.70035
		1	8	3
AC097532.2-vs-AC022166.1	0.00783	0.38074	0.18686	0.77578
	5	6	6	5
ARLNC1-vs-AC022166.1	0.00962	0.51735	0.31413	0.85202
	3		6	2
AC092198.1-vs-AC022916.4	0.00221	0.49388	0.31431	0.77603
	6	2	6	3
AL691482.3-vs-AC022916.4	0.00583	0.05947	0.008	0.44220
	1	8		9
AC135050.5-vs-AC023794.1	0.00391	0.26620	0.10832	0.65418

	4	8	8	6
AL512625.1-vs-AC023824.5	0.00253	0.30730	0.14286	0.66102
	4	6	3	9
AP001094.3-vs-AC023824.5	0.00663	0.6746	0.50771	0.89634
	5		1	6
MRVI1-AS1-vs-AC023824.5	0.00130	0.55870	0.39183	0.79664
	1	6	2	9
ARLNC1-vs-AC023824.5	0.00877	0.66593	0.49134	0.90255
		2	6	3
AC092198.1-vs-AC027343.3	0.00323	0.49203	0.30690	0.78886
	3	9	1	1
AC141930.1-vs-AC060766.6	0.00290	1.49514	1.14735	1.94835
	6	3	3	5
AC092198.1-vs-AC063977.3	0.00107	0.43587	0.26501	0.71688
	1	5	9	
AL691482.3-vs-AC063977.3	0.00583	0.05947	0.008	0.44220
	1	8		9
FAM66B-vs-AC069029.1	0.00418	1.59359	1.15848	2.19211
	1		5	1
MIR924HG-vs-AC069234.5	0.00663	0.64076	0.46465	0.88363
	9	6		3
AP001094.3-vs-AC069277.1	0.00606	0.68934	0.52849	0.89915
	8	9	9	2
AL691482.3-vs-AC069277.1	0.00012	0.29550	0.15873	0.55013
	1	8	4	5
AC092198.1-vs-AC069366.2	0.00180	0.63078	0.47223	0.84255
	9	1	5	5
AC048344.4-vs-AC069366.2	0.00358	0.12278	0.02993	0.50365
	7		1	2
AL024498.1-vs-AC069366.2	0.00022	0.06775	0.01621	0.28321
	5	8	1	6
AL691482.3-vs-AC069366.2	0.00597	0.13872	0.03392	0.56720
	5	3	8	6
AL691482.3-vs-AC074050.4	0.00411	0.30003	0.13183	0.68281
	4	3	6	8
AL691482.3-vs-AC080013.5	0.00521	0.47085	0.27759	0.79868
		7		1
AC113143.1-vs-AC084346.1	0.00911	0.60240	0.41156	0.88172
	9	4	8	8
AC135050.5-vs-AC084346.1	5.95E-05	0.26674	0.13992	0.50848
		4	9	8
AC097532.2-vs-AC090377.1	0.00999	0.39240	0.19259	0.79951
		6	6	1
AC141930.1-vs-AC090772.3	0.00722	1.43591	1.10276	1.86972

	7	7	1	3
AC135050.5-vs-AC092868.2	0.00359	0.29578	0.13026	0.67161
	8	2	5	
AC012435.3-vs-AC093843.1	0.00869	0.63132	0.44776	0.89014
	4	7	2	5
AL391845.1-vs-AC093843.1	0.00391	0.67263	0.51377	0.88060
	5	3	8	4
AL353693.1-vs-AC093843.1	0.00427	0.67615	0.51696	0.88438
	7	9	2	1
MMP25-AS1-vs-AC093843.1	0.00021	0.06835	0.01649	0.28328
	7	3	3	2
AC004596.1-vs-AC096586.2	0.00882	1.42287	1.09278	1.85265
	3		6	7
AC006435.2-vs-AC096708.2	0.00265	0.17026	0.05365	0.54034
	9	9	3	9
LINC02352-vs-AC096708.2	4.73E-06	0.06024	0.01808	0.20065
		4	8	3
BMS1P4-vs-AC096708.2	0.00466	0.33144	0.15423	0.71228
	6	7	3	1
AL512625.1-vs-AC096708.2	0.00500	0.05636	0.00756	0.42003
	9	8	5	7
AL024498.1-vs-AC096708.2	0.00500	0.05636	0.00756	0.42003
	9	8	5	7
AC006538.1-vs-AC097532.2	0.00568	1.47760	1.12045	1.94858
	1	3	9	7
LINC00562-vs-AC097625.1	0.00798	1.43294	1.09847	1.86923
	9		9	7
LINC00937-vs-AC097625.1	0.00749	1.48651	1.11168	1.98771
	1	2	7	7
AC092198.1-vs-AC098850.2	0.00420	0.49371	0.30448	0.80053
	8	5	9	7
AL691482.3-vs-AC098850.2	0.00583	0.05947	0.008	0.44220
	1	8		9
AC092198.1-vs-AC099684.3	0.00039	0.44139	0.28074	0.69398
	7	6	2	3
AL691482.3-vs-AC099684.3	0.00583	0.05947	0.008	0.44220
	1	8		9
ARLNC1-vs-AC099684.3	0.00134	0.43976	0.26618	0.72651
		1	9	5
AL391845.1-vs-AC103858.1	0.00656	0.69477	0.53432	0.90341
	6	7		7
AC090229.1-vs-AC103925.1	0.00848	0.48035	0.27826	0.82920
			1	6
LINC02352-vs-AC103925.1	0.00251	0.21502	0.07935	0.58266

	2	3		6
AC048344.4-vs-AC103925.1	0.00748	0.14516	0.03529	0.5971
	1	2		
AC005837.1-vs-AC103925.1	0.00197	0.32428	0.15890	0.66178
	3	4	4	3
ZNF433-AS1-vs-AC103925.1	0.00176	0.10356	0.02501	0.42883
	1	7	2	8
LINC00884-vs-AC103925.1	0.00735	0.32685	0.14428	0.74043
	6	8	9	4
AL691482.3-vs-AC103925.1	0.00982	0.26946	0.09958	0.72913
	5		2	7
AC097532.2-vs-AC103925.1	3.92E-05	0.35689	0.21840	0.58317
			9	5
AC025154.2-vs-AC103925.1	0.00583	0.05947	0.008	0.44220
	1	8		9
AP001107.1-vs-AC103925.1	0.00151	0.10077	0.02440	0.41618
	7	8	3	4
AC004076.2-vs-AC103925.1	0.00385	0.12294	0.02967	0.50937
	1	7	5	4
PRR34-AS1-vs-AC103925.1	0.00151	0.10077	0.02440	0.41618
	7	8	3	4
AC010531.6-vs-AC104411.1	0.00552	0.64754	0.47637	0.88022
	8	5	4	
AC090229.1-vs-AC104462.1	0.00175	0.64746	0.49315	0.85006
	1	3	1	
AC097634.3-vs-AC104462.1	0.00515	0.63594	0.46309	0.87331
	7	8	9	1
AP001094.3-vs-AC104462.1	0.00868	0.70582	0.54411	0.91559
	7	6	4	8
AC106037.2-vs-AC104462.1	0.00461	0.68582	0.52830	0.89030
	6	3	5	5
AC092198.1-vs-AC104462.2	0.00154	0.60871	0.44769	0.82763
	1	2	9	3
AC090229.1-vs-AC104462.2	0.00876	0.61233	0.42434	0.88362
	4	9	1	7
AC010531.6-vs-AC104462.2	0.00606	0.20028	0.06352	0.63151
	2	5		7
AL391845.1-vs-AC104462.2	0.00565	0.66502	0.49812	0.88783
	9	3	8	6
AP003717.1-vs-AC104462.2	0.00943	0.47483	0.27059	0.83321
	3	3	9	3
AC092868.2-vs-AC104462.2	0.00199	0.61818	0.45571	0.83858
	1	9	9	4
AC027130.1-vs-AC104462.2	0.00039	0.60409	0.45718	0.79820

	2	1		9
AP001094.3-vs-AC104462.2	0.00884	0.68160	0.51157	0.90815
	5	7	3	5
AC010894.3-vs-AC104462.2	0.00152	0.63590	0.48069	0.84124
		7	1	5
LINC00449-vs-AC104462.2	0.00367	0.49348	0.30643	0.79472
	2	9	6	1
LINC00884-vs-AC104462.2	0.00034	0.19444	0.07937	0.47635
	1	6	2	3
LINC02397-vs-AC104462.2	0.00862	0.70106	0.53786	0.91378
		3		7
LURAP1L-AS1-vs-AC104462.2	0.00625	0.69656	0.53750	0.90269
	8	5	3	9
LINC00937-vs-AC104462.2	0.00806	0.56337	0.36849	0.86130
	6		2	9
SLC12A5-AS1-vs-AC104462.2	0.00136	0.42204	0.24893	0.71552
	1	7	9	9
AC106037.2-vs-AC104462.2	2.66E-05	0.56105	0.42844	0.73470
		3	6	3
AL691482.3-vs-AC104462.2	0.00597	0.13872	0.03392	0.56720
	5	3	8	6
AC097532.2-vs-AC104462.2	0.00058	0.54066	0.38083	0.76758
	3	6	3	2
AC116913.1-vs-AC104462.2	0.00018	0.10791	0.03358	0.34677
	5	8	5	6
AC016831.5-vs-AC104462.2	0.00635	0.59759	0.41286	0.86498
	8	6	6	1
AC145343.1-vs-AC104462.2	9.01E-06	0.09677	0.03451	0.27133
		3	5	1
AC004076.2-vs-AC104462.2	0.00049	0.25890	0.12106	0.55366
	3	2	6	4
AC023794.1-vs-AC104462.2	0.00375	0.60872	0.43512	0.85158
	8	8	7	9
AC012531.1-vs-AC104462.2	0.00630	0.67877	0.51401	0.89635
	9	9	6	5
AL390208.1-vs-AC104462.2	0.00867	0.51376	0.31244	0.84481
	7	4	1	3
ARLNC1-vs-AC104462.2	0.00167	0.60814	0.44593	0.82935
	8	3	3	8
FAM30A-vs-AC104462.2	0.00346	0.64448	0.48007	0.86520
	1	2		1
TTN-AS1-vs-AC106037.2	0.00652	1.50556	1.12114	2.02178
	5	2	6	5
MAFA-AS1-vs-AC106037.2	0.00466	1.47421	1.12668	1.92893

	2		2	4
BMS1P4-vs-AC106037.2	0.00335	1.54800	1.15605	2.07284
	2	3		6
AC006538.1-vs-AC106037.2	0.00490	1.55483	1.14323	2.11463
	6	5	1	2
AL691482.3-vs-AC106037.2	0.00393	0.29855	0.13125	0.67906
	8	2	9	6
ATP6V1B1-AS1-vs-AC106037.2	0.00282	1.50816	1.15165	1.97504
	6	6	1	5
PRR34-AS1-vs-AC112236.2	8.83E-05	0.16308	0.06587	0.40375
		5	3	9
STAG3L5P-PVRIG2P-PILRB-vs-AC113143.1	0.00216	1.53190	1.16635	2.01202
	8	7	5	9
AL162377.1-vs-AC113143.1	0.00754	1.54757	1.12338	2.13191
	3		9	7
PRR34-AS1-vs-AC113404.1	0.00583	0.05947	0.008	0.44220
	1	8		9
AC090772.3-vs-AC116025.2	0.00622	0.58751	0.40137	0.85998
	1	8	4	9
AC135050.5-vs-AC116025.2	0.00034	0.22282	0.09789	0.50718
	7	1	3	3
AC006435.2-vs-AC116447.1	0.00065	0.58914	0.43455	0.79873
	6	7	7	2
AC097634.3-vs-AC116616.1	0.00733	0.43334	0.23516	0.79852
	1	1	5	3
AC092868.2-vs-AC116616.1	0.00762	0.64057	0.46181	0.88850
	8	1	9	9
AC106037.2-vs-AC116616.1	0.00703	0.67394	0.50580	0.89796
	9	1	7	4
AL390208.1-vs-AC116616.1	0.00373	0.42016	0.23382	0.75499
	3	5	8	2
ARLNC1-vs-AC116616.1	0.00061	0.47291	0.30816	0.72573
		2	5	5
AC010531.6-vs-AC118344.1	0.00093	0.56170	0.39913	0.79047
	7	3	8	8
LINC02352-vs-AC118754.2	0.00255	0.37375	0.19721	0.70833
	2	5	4	2
AL512625.1-vs-AC118754.2	0.00022	0.34188	0.19343	0.60423
	1	1	9	5
AL596325.2-vs-AC118754.2	0.00232	0.54892	0.37315	0.80747
		3	8	7
CFAP58-DT-vs-AC118754.2	0.00207	0.48393	0.30487	0.76818
	9	9	3	
MCPH1-AS1-vs-AC118754.2	1.31E-05	0.23441	0.12207	0.45012

		1	4	8
AC106037.2-vs-AC118754.2	0.00128	0.64741	0.49685	0.84359
	4	4	7	2
AL691482.3-vs-AC118754.2	0.00080	0.21252	0.08593	0.52561
	2	6	2	2
AC116913.1-vs-AC118754.2	0.00866	0.30326	0.12442	0.73912
	4	3	9	3
AC092868.2-vs-AC120193.1	0.00309	0.62059	0.45241	0.8513
	4	9	7	
LINC02352-vs-AC120193.1	0.00479	0.23843	0.08804	0.64572
	6	1		
AC097634.3-vs-AC134775.1	0.00657	0.62935	0.45066	0.87889
	6	7	9	4
AL596325.2-vs-AC134775.1	0.00559	0.59022	0.40646	0.85706
	9	9	7	9
AC106037.2-vs-AC134775.1	0.00104	0.64611	0.49756	0.83900
	9	1	5	6
AL691482.3-vs-AC135012.2	0.00583	0.05947	0.008	0.44220
	1	8		9
AC092198.1-vs-AC135776.2	0.00711	0.50582	0.30791	0.83094
	9	5	4	1
AL691482.3-vs-AC135776.2	0.00583	0.05947	0.008	0.44220
	1	8		9
AC092198.1-vs-AC137579.2	0.00135	0.49801	0.32511	0.76287
	6	7	2	8
AL691482.3-vs-AC137579.2	0.00583	0.05947	0.008	0.44220
	1	8		9
AC097532.2-vs-AC137579.2	0.00820	0.42311	0.22361	0.80059
	5	2	5	
PRR34-vs-AC138028.5	0.00367	0.26714	0.10962	0.65101
	9	8	6	5
AL691482.3-vs-AC138028.5	0.00583	0.05947	0.008	0.44220
	1	8		9
AL691482.3-vs-AC138907.7	0.00583	0.05947	0.008	0.44220
	1	8		9
ARLNC1-vs-AC138907.7	0.00773	0.46160	0.26134	0.81532
	6	5	3	4
AC010531.6-vs-AC138956.1	0.00694	0.66676	0.49679	0.89488
	1	3	2	6
LINC02352-vs-AC139497.1	0.00879	0.15234	0.03727	0.62253
	7		9	9
AL691482.3-vs-AC139497.1	0.00583	0.05947	0.008	0.44220
	1	8		9
AC010531.6-vs-AC141930.1	0.00035	0.59814	0.45115	0.79300

	4		9	6
TBX2-AS1-vs-AC141930.1	0.00349	0.65130	0.48844	0.86846
	4	4	4	6
AC025154.2-vs-AC141930.1	0.00562	0.62192	0.44436	0.87043
	4	5	4	7
AL691482.3-vs-AC145350.2	0.00583	0.05947	0.008	0.44220
	1	8		9
AC092868.2-vs-AC254562.2	0.00305	0.65861	0.49958	0.86826
	8	1	2	2
AC027130.1-vs-AC254562.2	0.00336	0.67589	0.52021	0.87817
	2	6		5
AP001094.3-vs-AC254562.2	0.00725	0.69092	0.52750	0.90498
	2	6	2	1
LINC00449-vs-AC254562.2	0.00172	0.54668	0.37476	0.79748
	1	9	6	
AC138956.1-vs-AL117382.1	0.00425	0.43872	0.24938	0.77182
	5	3	2	
AL691482.3-vs-AL117382.1	0.00799	0.25974	0.09593	0.70331
		7		3
AC010531.6-vs-AL121672.3	9.35E-05	0.16653	0.06775	0.40929
		2	7	9
AL691482.3-vs-AL133215.3	0.00183	0.31910	0.15556	0.65453
	2	1	9	5
PRR34-AS1-vs-AL133215.3	0.00129	0.19187	0.07017	0.52467
	7	7	1	2
AC092868.2-vs-AL135934.1	0.00541	0.62375	0.44725	0.86991
	8	7	3	8
AL691482.3-vs-AL135934.1	0.00583	0.05947	0.008	0.44220
	1	8		9
AC092198.1-vs-AL139350.1	0.00017	0.41258	0.25970	0.65546
	8	8	8	2
AL691482.3-vs-AL139350.1	0.00583	0.05947	0.008	0.44220
	1	8		9
LINC00884-vs-AL160270.1	0.00662	0.14199	0.03470	0.58101
	2	8	4	6
AL691482.3-vs-AL160270.1	0.00785	0.20747	0.06507	0.66153
	2	8	2	3
AL691482.3-vs-AL356309.2	0.00325	0.17643	0.05556	0.56022
	2	8	8	3
AC141930.1-vs-AL359881.2	0.00346	1.54417	1.15394	2.06637
	3	4		6
AC092198.1-vs-AL360091.2	0.00788	0.65529	0.47975	0.89506
	9	4	4	5
AL391845.1-vs-AL360091.2	0.00055	0.59333	0.44109	0.79811

	9		2	2
AC006435.2-vs-AL360091.2	0.00339	0.12126	0.02956	0.49743
	4	8	3	8
AC097634.3-vs-AL360091.2	0.00148	0.42195	0.24785	0.71835
		9	6	7
AL512625.1-vs-AL360091.2	0.00500	0.05636	0.00756	0.42003
	9	8	5	7
MRVI1-AS1-vs-AL360091.2	0.00694	0.57768	0.38785	0.86042
	4	8	8	6
AL024498.1-vs-AL360091.2	0.00500	0.05636	0.00756	0.42003
	9	8	5	7
SLC12A5-AS1-vs-AL360091.2	0.00438	0.32913	0.15324	0.70689
	1	6	9	4
AC145343.1-vs-AL360091.2	0.00500	0.05636	0.00756	0.42003
	9	8	5	7
LINC02352-vs-AL390061.1	0.00522	0.19138	0.05998	0.61067
	1	9	3	1
AL691482.3-vs-AL390061.1	0.00082	0.17959	0.06564	0.49138
	7	5		2
AC092198.1-vs-AL391422.3	0.00600	0.57743	0.39025	0.85438
	9	2	7	2
AL691482.3-vs-AL391422.3	0.00583	0.05947	0.008	0.44220
	1	8		9
MAFA-AS1-vs-AL391845.1	0.00058	1.59241	1.22151	2.07594
	4	7	1	7
AC138956.1-vs-AL445489.1	0.00815	0.43852	0.23809	0.80766
	8	6	9	6
AC090229.1-vs-AL445489.1	0.00191	0.59298	0.42624	0.82494
	9	4	9	
AC092868.2-vs-AL445489.1	0.00603	0.66619	0.49852	0.89025
	7	3	2	8
AC027130.1-vs-AL445489.1	0.00791	0.69874	0.53632	0.91035
	3	4		7
AP001094.3-vs-AL445489.1	0.00421	0.66346	0.50091	0.87876
	9	8	8	6
MRVI1-AS1-vs-AL445489.1	0.00419	0.60814	0.43266	0.8548
	4	9	9	
AC106037.2-vs-AL445489.1	0.00707	0.68903	0.52543	0.90356
	6	4	9	3
AL691482.3-vs-AL445489.1	0.00597	0.13872	0.03392	0.56720
	5	3	8	6
AC116913.1-vs-AL445489.1	0.00106	0.08930	0.02101	0.37951
	6	2	3	7
AC023794.1-vs-AL445489.1	0.00425	0.64852	0.48192	0.87271

	4	3	3	8
AL390208.1-vs-AL445489.1	0.00210	0.48323	0.30397	0.76821
	6	7	4	8
AC025154.2-vs-AL512329.2	0.00237	0.66252	0.50800	0.86402
	6		8	8
LINC00884-vs-AL513188.1	0.00626	0.28776	0.11780	0.70293
	6	7	6	7
AL024498.1-vs-AL513188.1	0.00500	0.05636	0.00756	0.42003
	9	8	5	7
AL691482.3-vs-AL513188.1	0.00597	0.13872	0.03392	0.56720
	5	3	8	6
AC010531.6-vs-AL596325.2	0.00341	0.58986	0.41425	0.83992
	8	7	4	7
MMP25-AS1-vs-AL596325.2	0.00269	0.42231	0.24049	0.74158
	4	5	9	5
AC018647.2-vs-AL596325.2	0.00133	0.09667	0.02320	0.40278
	3	1	2	8
AC026471.1-vs-AL606468.1	0.00062	0.08244	0.01974	0.34427
	1	4	3	5
AL691482.3-vs-AL606468.1	0.00229	0.28041	0.12384	0.63492
	3	6	6	6
AL162377.1-vs-AL606468.1	0.00096	0.14276	0.04496	0.45336
	1	9		1
AC092198.1-vs-AL606516.1	0.00119	0.48066	0.30864	0.74857
		9	5	
AL691482.3-vs-AL606516.1	0.00583	0.05947	0.008	0.44220
	1	8		9
LINC02352-vs-AP000873.3	0.00449	0.41311	0.22450	0.76019
	5	7	3	6
AL596325.2-vs-AP000873.3	0.00117	0.52737	0.35829	0.77626
	8	7		
AC145343.1-vs-AP000873.3	0.00251	0.114	0.02787	0.46622
	3		5	8
PRR34-AS1-vs-AP000873.3	0.00583	0.05947	0.008	0.44220
	1	8		9
MAFA-AS1-vs-AP001094.3	0.00046	1.61700	1.23569	2.11598
	1	8	8	2
AC112236.2-vs-AP001094.3	0.00371	1.47426	1.13419	1.91629
	9	1	3	4
CR381653.1-vs-AP001094.3	0.0017	1.52284	1.17104	1.98031
			7	4
AC063943.1-vs-AP001094.3	0.00313	1.65100	1.18380	2.30258
	5	4	9	
AC141930.1-vs-AP001094.3	0.00328	1.64167	1.17962	2.28469

	6	5	8	9
AC004596.1-vs-AP001094.3	0.00326	1.76186	1.20799	2.56969
	9	7	3	7
FAM66B-vs-AP001094.3	0.00176	1.63914	1.20253	2.23426
	6	5	9	9
AC097532.2-vs-AP001094.3	0.00901	1.43015	1.09338	1.87066
	2	7		8
AC092868.2-vs-AP001993.1	0.00964	0.64733	0.46569	0.89981
	7	2	6	3
AL691482.3-vs-AP001993.1	0.00583	0.05947	0.008	0.44220
	1	8		9
TBX2-AS1-vs-AP002892.1	0.00036	0.02324	0.00293	0.18392
	5	5	8	8
LINC01504-vs-AP002892.1	0.00842	0.49113	0.28937	0.83356
	7	4	6	
AC092198.1-vs-AP004147.1	0.00078	0.48237	0.31514	0.73834
	9	4	5	1
AC092868.2-vs-AP004147.1	0.00917	0.63511	0.45138	0.89363
	7	6	3	6
AL691482.3-vs-AP004147.1	0.00583	0.05947	0.008	0.44220
	1	8		9
AC097532.2-vs-AP004147.1	0.00516	0.36234	0.17786	0.73813
	9	1	8	6
LINC00884-vs-ASTN2-AS1	0.00500	0.05636	0.00756	0.42003
	9	8	5	7
AL691482.3-vs-ASTN2-AS1	0.00583	0.05947	0.008	0.44220
	1	8		9
AC026471.1-vs-ATP6V1B1-AS1	0.00011	0.05967	0.01430	0.24895
		1	2	9
LINC00884-vs-BMP7-AS1	0.00080	0.36662	0.20381	0.65949
	9	7	4	9
AL024498.1-vs-BMP7-AS1	0.00942	0.15299	0.03708	0.63122
	5	6	3	2
AL691482.3-vs-BMP7-AS1	0.00722	0.32500	0.14313	0.73798
	8	8	4	1
AC048344.4-vs-BMS1P4	0.00951	0.49837	0.29441	0.84364
	3	8	2	9
CFAP58-DT-vs-BMS1P4	0.00859	0.68877	0.52155	0.90961
	9	4		4
PRR34-AS1-vs-BMS1P4	0.00995	0.22051	0.06984	0.69620
	8	1	3	3
AL162377.1-vs-BMS1P4	1.02E-05	0.03560	0.00809	0.15666
		5	2	9
AL162377.1-vs-C22orf24	0.00583	0.05947	0.008	0.44220

	1	8		9
AC010531.6-vs-CDC42-IT1	0.00732	0.49610	0.29721	0.82808
	6	3	5	3
AC092198.1-vs-CLLU1	0.00279	0.52865	0.34808	0.8029
	4	5	3	
AL691482.3-vs-CLLU1	0.00583	0.05947	0.008	0.44220
	1	8		9
AL691482.3-vs-CR381653.1	0.00905	0.30290	0.12353	0.74270
	4	7	8	4
AC092868.2-vs-CU638689.5	0.00848	0.64973	0.47128	0.89573
	7	2	9	9
AL691482.3-vs-CU638689.5	0.00583	0.05947	0.008	0.44220
	1	8		9
AL691482.3-vs-FOCAD-AS1	0.00225	0.24420	0.09885	0.60331
		9		8
MATN1-AS1-vs-HSD17B3-AS1	3.03E-05	0.00809	0.00084	0.07784
		7	2	3
AC092198.1-vs-KCNAB1-AS1	0.00814	0.60280	0.41433	0.87701
	5	6	1	5
TBX2-AS1-vs-KCNAB1-AS1	0.00302	0.04728	0.00629	0.35532
	2	7	3	9
AL691482.3-vs-KCNAB1-AS1	0.00583	0.05947	0.008	0.44220
	1	8		9
AL691482.3-vs-KIAA2012-AS1	0.00823	0.21039	0.06620	0.66865
	7	3	1	
AL024498.1-vs-LINC00159	0.00010	0.01502	0.0018	0.12543
	6	4		4
AL691482.3-vs-LINC00159	0.00381	0.22690	0.08306	0.61981
	7	7	8	4
AC025154.2-vs-LINC00159	0.00754	0.14693	0.03598	0.59997
	8	5	4	6
AC010531.6-vs-LINC00562	0.00895	0.26392	0.09719	0.71665
	9	4	5	9
MATN1-AS1-vs-LINC00562	0.00386	0.35051	0.17211	0.71382
	5	6	7	5
AL391845.1-vs-LINC00562	0.00134	0.65357	0.50393	0.84765
	6	8	8	2
AL512625.1-vs-LINC00562	0.00962	0.48639	0.28186	0.83936
	6	9		8
AP001094.3-vs-LINC00562	0.00793	0.70336	0.54245	0.91200
	3	4	3	6
PRR34-AS1-vs-LINC00562	0.00583	0.05947	0.008	0.44220
	1	8		9
AC092198.1-vs-LINC00681	0.00211	0.52565	0.34879	0.79219

	9	7	6	9
AL691482.3-vs-LINC00937	0.00212	0.42572	0.24688	0.73411
	8	6	6	6
AC005837.1-vs-LINC01297	0.00449	1.92280	1.22479	3.01860
	5	4	7	2
AC007787.1-vs-LINC01297	0.00338	1.47845	1.13826	1.92032
	3	9	7	5
AC092198.1-vs-LINC01323	0.00029	0.46645	0.30853	0.70519
	9	1	3	6
LINC02352-vs-LINC01323	7.05E-05	0.05334	0.01257	0.22635
		6	2	9
LINC00884-vs-LINC01323	0.00500	0.05636	0.00756	0.42003
	9	8	5	7
LINC00937-vs-LINC01323	0.00030	0.19193	0.07838	0.46998
	3	4	4	
LINC01504-vs-LINC01323	0.00578	0.19896	0.06320	0.62636
	9	8	3	4
AL691482.3-vs-LINC01323	0.00583	0.05947	0.008	0.44220
	1	8		9
LINC01426-vs-LINC01323	0.00011	0.09881	0.03054	0.31962
	1	3	8	5
AC092198.1-vs-LINC01427	0.00122	0.44960	0.27691	0.72999
	6	2		2
AL691482.3-vs-LINC01427	0.00583	0.05947	0.008	0.44220
	1	8		9
AC027130.1-vs-LINC01496	0.00909	0.65516	0.47682	0.9002
	4	2	5	
AL691482.3-vs-LINC01496	0.00583	0.05947	0.008	0.44220
	1	8		9
AC097532.2-vs-LINC01496	0.00213	0.34816	0.17752	0.68280
	9		7	3
ARLNC1-vs-LINC01496	0.00248	0.45127	0.26948	0.75572
	9	8		3
AL133215.3-vs-LINC01501	0.00412	0.59145	0.41314	0.84674
	2	9	1	4
AL512625.1-vs-LINC01501	0.00855	0.21439	0.06803	0.67567
	4	9	1	5
LINC00562-vs-LINC01525	0.00974	1.43368	1.09096	1.88406
	9	4	6	5
LINC01561-vs-LINC01525	0.00642	1.45884	1.11185	1.91411
	8	5	9	8
CDC42-IT1-vs-LINC01525	0.00998	1.48422	1.09909	2.00430
	2	7	7	9
AC012629.2-vs-LINC01525	0.00823	1.42134	1.09505	1.84484

	1	1	9	2
AC092198.1-vs-LINC01584	0.00041	0.41735	0.25692	0.67795
	5	2	3	5
AL691482.3-vs-LINC01584	0.00583	0.05947	0.008	0.44220
	1	8		9
AC092198.1-vs-LINC01669	0.00068	0.44095	0.27484	0.70747
	7	8	2	4
AL691482.3-vs-LINC01669	0.00583	0.05947	0.008	0.44220
	1	8		9
AC092198.1-vs-LINC01689	0.00118	0.43880	0.26676	0.72180
		5	3	3
AL691482.3-vs-LINC01689	0.00583	0.05947	0.008	0.44220
	1	8		9
AL691482.3-vs-LINC01794	0.00423	0.12769	0.03116	0.52328
	8	7	2	7
AL691482.3-vs-LINC01910	0.00583	0.05947	0.008	0.44220
	1	8		9
AC092198.1-vs-LINC01987	0.00171	0.52423	0.35009	0.78500
	8	7	1	7
AL691482.3-vs-LINC01987	0.00583	0.05947	0.008	0.44220
	1	8		9
BMS1P4-vs-LINC02076	0.00524	1.50411	1.12928	2.00334
	8	5	9	9
AC004895.1-vs-LINC02076	0.00070	1.56874	1.20896	2.03558
	5	6	9	8
MORC2-AS1-vs-LINC02076	0.00424	1.46290	1.12714	1.89867
	1	4	6	9
AL391845.1-vs-LINC02122	0.00239	0.63209	0.47008	0.84994
	7	6	3	5
AC007406.3-vs-LINC02122	0.00909	0.42723	0.2255	0.80945
	9	8		8
AL691482.3-vs-LINC02122	0.00046	0.12511	0.03907	0.40062
	5	2	1	8
AL031432.3-vs-LINC02122	0.00947	0.36623	0.17147	0.78219
	4	2	4	1
AL390208.1-vs-LINC02122	0.00979	0.52715	0.32429	0.85691
	7	8	7	6
AL691482.3-vs-LINC02191	0.00583	0.05947	0.008	0.44220
	1	8		9
AC097532.2-vs-LINC02191	0.00680	0.37428	0.18369	0.76259
	3	1	7	2
AC092198.1-vs-LINC02278	0.00484	0.54323	0.35529	0.83057
	9	1	6	7
AL691482.3-vs-LINC02278	0.00583	0.05947	0.008	0.44220

	1	8		9
AC016831.5-vs-LINC02278	0.00956	0.45910	0.25480	0.82723
	1	9	2	5
LINC00562-vs-LINC02365	0.00972	1.49060	1.10137	2.01739
	9	7	3	8
LINC02688-vs-LINC02365	0.00538	1.51299	1.13030	2.02526
	2	7	2	4
AC084346.1-vs-LINC02365	0.00532	1.51149	1.1304	2.02105
	2			5
AL691482.3-vs-LINC02620	0.00583	0.05947	0.008	0.44220
	1	8		9
ARLNC1-vs-LINC02620	0.00508	0.46828	0.27544	0.79616
	2	9	1	
AC092198.1-vs-LINC02661	0.00107	0.43587	0.26501	0.71688
	1	5	9	
AL691482.3-vs-LINC02661	0.00583	0.05947	0.008	0.44220
	1	8		9
AC012435.3-vs-MAFA-AS1	0.00067	0.62934	0.48196	0.8218
		5	1	
AC090772.3-vs-MAFA-AS1	0.00291	0.63992	0.47696	0.85855
	1	2	5	4
AC010531.6-vs-MAFA-AS1	0.00956	0.59799	0.40532	0.88225
	1	7	5	8
AC113143.1-vs-MAFA-AS1	0.00218	0.62074	0.45755	0.84214
	5	4		3
AC005838.2-vs-MAFA-AS1	0.00112	0.61434	0.45824	0.82363
	5	6		3
CFAP58-DT-vs-MAFA-AS1	0.00449	0.67911	0.52000	0.88691
	7	5	1	8
TBX2-AS1-vs-MAFA-AS1	0.00516	0.59457	0.41300	0.85596
	5	2	5	2
LINC00449-vs-MAFA-AS1	0.00473	0.68423	0.52586	0.89031
		8	1	4
LINC00884-vs-MAFA-AS1	0.00246	0.57284	0.39937	0.82166
	8	4	4	3
MIR924HG-vs-MAFA-AS1	0.00503	0.63498	0.46230	0.87216
	7	3	3	4
AC060766.6-vs-MATN1-AS1	0.00944	0.70494	0.54137	0.91794
	2	9	8	2
AC010531.6-vs-MATN1-AS1	0.00258	0.59799	0.42802	0.83548
	3	9	1	
LINC01503-vs-MATN1-AS1	0.00830	0.06757	0.00913	0.49974
	4	9	8	4
AC018647.2-vs-MIR222HG	0.00400	0.56259	0.38023	0.83242

	8	7	5	2
AL691482.3-vs-MORC2-AS1	0.00481	0.35864	0.17580	0.73164
	9	2	1	6
AC092198.1-vs-NAV2-IT1	0.00563	0.59639	0.41364	0.85988
				2
AL691482.3-vs-NAV2-IT1	0.00583	0.05947	0.008	0.44220
	1	8		9
AL391845.1-vs-NEURL1-AS1	0.00382	0.65344	0.48974	0.87185
	8	4	7	6
AC092868.2-vs-NEURL1-AS1	0.00964	0.65703	0.47803	0.90306
	5	4	3	2
MRV1-AS1-vs-NEURL1-AS1	0.00535	0.57810	0.39312	0.85013
	1	9	4	8
AC092198.1-vs-NRG1-IT3	0.00107	0.43587	0.26501	0.71688
	1	5	9	
AL691482.3-vs-NRG1-IT3	0.00583	0.05947	0.008	0.44220
	1	8		9
AC097532.2-vs-PCDH9-AS2	0.00188	0.37933	0.20584	0.69902
	3	2	9	1
AL512625.1-vs-PRR34	0.00707	0.64533	0.46919	0.88760
	9	6	5	3
PRR34-AS1-vs-PRR34	0.00583	0.05947	0.008	0.44220
	1	8		9
MMP25-AS1-vs-ROR1-AS1	0.00583	0.05947	0.008	0.44220
	1	8		9
AP001094.3-vs-ROR1-AS1	0.00086	0.63918	0.49127	0.83163
		6		8
AC106037.2-vs-ROR1-AS1	0.00904	0.70722	0.54526	0.91729
		5	5	3
AL691482.3-vs-ROR1-AS1	0.00909	0.33609	0.14813	0.76255
	5	1		1
AC116913.1-vs-ROR1-AS1	0.00683	0.37359	0.18304	0.76250
	3	7	8	2
LINC02352-vs-TTC3-AS1	0.00039	0.31328	0.16494	0.59502
	1	8	9	8
AL024498.1-vs-TTC3-AS1	0.00995	0.31044	0.12755	0.75556
		2	2	8
AL691482.3-vs-TTC3-AS1	0.00905	0.26258	0.0962	0.71673
	3	4		6
AL691482.3-vs-TTN-AS1	0.00473	0.35560	0.17352	0.72874
	7	8	8	
AC092198.1-vs-TTTY20	0.00173	0.45135	0.27433	0.74258
	9	3	9	4
AL691482.3-vs-TTTY20	0.00583	0.05947	0.008	0.44220

	1	8		9
PRR34-AS1-vs-U62317.3	0.00057	0.13009	0.04074	0.41531
	4	2	9	7
AL391845.1-vs-U91319.1	0.00718	0.69986	0.53951	0.90787
	9	7	9	2
MIR924HG-vs-U91319.1	0.00191	0.57413	0.40440	0.81508
	3	3	9	8
AL390208.1-vs-U91319.1	0.00770	0.68758	0.52199	0.90569
	9	2	3	9
AC005838.2-vs-Z83847.1	0.00767	0.58251	0.39152	0.86667
	9	5	4	4
AL024498.1-vs-Z83847.1	0.00819	0.33317	0.14751	0.75252
	5	5	2	2
AL691482.3-vs-Z83847.1	0.00488	0.30806	0.13568	0.69945
	8	9	6	9
PRR34-AS1-vs-Z83847.1	0.00597	0.13872	0.03392	0.56720
	5	3	8	6
LINC00884-vs-Z84468.1	0.00500	0.05636	0.00756	0.42003
	9	8	5	7
AL691482.3-vs-Z84468.1	0.00583	0.05947	0.008	0.44220
	1	8		9