

Supplementary Table5: 180 differential lncRNA pairs were identified.

lncRNAPairs	P.value	FDR
AP001094.3-vs-AC003009.1	3.12E-20	7.97E-16
AP001094.3-vs-AC004895.1	1.82E-34	4.65E-30
AP001094.3-vs-AC005392.2	6.03E-15	1.53E-10
AP001094.3-vs-AC007040.1	4.66E-41	1.19E-36
AP001094.3-vs-AC007216.1	7.99E-34	2.04E-29
AP001094.3-vs-AC007431.2	2.49E-34	6.36E-30
AP001094.3-vs-AC007463.1	2.18E-20	5.55E-16
AP001094.3-vs-AC007598.2	5.34E-36	1.37E-31
AP001094.3-vs-AC007608.1	8.65E-35	2.21E-30
AP001094.3-vs-AC007787.1	7.56E-36	1.93E-31
AP001094.3-vs-AC007952.9	2.10E-27	5.36E-23
AP001094.3-vs-AC007991.3	1.15E-25	2.94E-21
AP001094.3-vs-AC008103.1	1.16E-20	2.97E-16
AP001094.3-vs-AC008115.2	6.03E-15	1.53E-10
AP001094.3-vs-AC008687.2	3.36E-30	8.58E-26
AP001094.3-vs-AC008739.1	2.17E-19	5.53E-15
AP001094.3-vs-AC009396.3	3.12E-20	7.97E-16
AP001094.3-vs-AC010333.3	1.21E-24	3.08E-20
AP001094.3-vs-AC010894.3	1.36E-14	3.46E-10
AP001094.3-vs-AC010974.1	1.39E-25	3.55E-21
AP001094.3-vs-AC012038.2	1.14E-11	2.90E-07
AP001094.3-vs-AC012150.1	4.16E-26	1.06E-21
AP001094.3-vs-AC012531.1	3.17E-39	8.11E-35
AP001094.3-vs-AC012629.2	7.85E-21	2.00E-16
AP001094.3-vs-AC013248.1	4.31E-21	1.10E-16
AP001094.3-vs-AC013799.1	5.05E-26	1.29E-21
AP001094.3-vs-AC015909.2	2.51E-24	6.42E-20
AP001094.3-vs-AC016831.5	2.49E-37	6.38E-33
AP001094.3-vs-AC019211.1	5.48E-22	1.40E-17
AP001094.3-vs-AC021134.1	5.80E-22	1.48E-17
AP001094.3-vs-AC021491.1	2.69E-25	6.88E-21
AP001094.3-vs-AC021713.1	3.92E-23	1.00E-18
AP001094.3-vs-AC022166.1	1.16E-20	2.97E-16
AP001094.3-vs-AC023794.1	1.62E-28	4.14E-24
AP001094.3-vs-AC023824.5	2.76E-18	7.03E-14
AP001094.3-vs-AC027130.1	3.46E-35	8.85E-31
AP001094.3-vs-AC027343.3	1.16E-20	2.97E-16
AP001094.3-vs-AC069029.1	3.97E-26	1.02E-21
AP001094.3-vs-AC069277.1	4.40E-16	1.12E-11
AP001094.3-vs-AC069366.2	2.82E-33	7.20E-29

AP001094.3-vs-AC091179.1	2.19E-14	5.56E-10
AP001094.3-vs-AC092198.1	1.85E-12	4.70E-08
AP001094.3-vs-AC092295.1	1.41E-22	3.60E-18
AP001094.3-vs-AC093843.1	4.07E-26	1.04E-21
AP001094.3-vs-AC096708.2	1.99E-27	5.07E-23
AC011461.1-vs-AC097625.1	1.94E-06	0.049424
AP001094.3-vs-AC097625.1	1.39E-11	3.55E-07
AP001094.3-vs-AC099684.3	2.11E-22	5.38E-18
AP001094.3-vs-AC103858.1	1.35E-34	3.46E-30
AP001094.3-vs-AC103925.1	7.63E-23	1.95E-18
AP001094.3-vs-AC104462.1	1.41E-48	3.61E-44
AP001094.3-vs-AC104462.2	1.99E-34	5.10E-30
MAFA-AS1-vs-AC106037.2	1.64E-06	0.041697
AP001094.3-vs-AC108063.1	5.87E-35	1.50E-30
AP001094.3-vs-AC113404.1	1.06E-23	2.72E-19
AP001094.3-vs-AC116616.1	5.80E-22	1.48E-17
AP001094.3-vs-AC118754.2	8.22E-24	2.10E-19
AP001094.3-vs-AC120193.1	8.36E-25	2.14E-20
AP001094.3-vs-AC129507.3	3.67E-18	9.35E-14
AP001094.3-vs-AC134775.1	7.35E-32	1.88E-27
AP001094.3-vs-AC138028.5	3.98E-27	1.02E-22
AC010531.6-vs-AC138956.1	7.37E-07	0.018741
AP001094.3-vs-AC145350.2	2.11E-22	5.38E-18
AP001094.3-vs-AC254562.2	4.23E-32	1.08E-27
AP001094.3-vs-AL117382.1	2.71E-18	6.90E-14
AP001094.3-vs-AL135934.1	1.21E-24	3.08E-20
AP001094.3-vs-AL138828.1	5.05E-26	1.29E-21
AP001094.3-vs-AL160270.1	1.10E-18	2.81E-14
AP001094.3-vs-AL356309.2	5.80E-22	1.48E-17
AP001094.3-vs-AL360091.2	1.73E-26	4.42E-22
AP001094.3-vs-AL390061.1	2.23E-20	5.68E-16
AP001094.3-vs-AL445489.1	4.75E-26	1.21E-21
AP001094.3-vs-AL513188.1	8.41E-34	2.15E-29
AP001094.3-vs-AP000873.3	8.79E-25	2.24E-20
AC012435.3-vs-AP001094.3	3.53E-09	8.97E-05
AC004253.1-vs-AP001094.3	4.60E-08	0.001171
TTN-AS1-vs-AP001094.3	7.41E-18	1.89E-13
AC060766.6-vs-AP001094.3	7.20E-07	0.018296
AC138956.1-vs-AP001094.3	1.40E-09	3.56E-05
AC090772.3-vs-AP001094.3	1.03E-11	2.63E-07
AC090229.1-vs-AP001094.3	5.83E-28	1.49E-23
AP003717.1-vs-AP001094.3	1.96E-06	0.049771
AC080013.5-vs-AP001094.3	1.17E-13	2.97E-09
AC006435.2-vs-AP001094.3	2.37E-07	0.006027

MAFA-AS1-vs-AP001094.3	6.14E-22	1.57E-17
AC112236.2-vs-AP001094.3	3.19E-20	8.14E-16
CR381653.1-vs-AP001094.3	4.17E-26	1.07E-21
AC090617.4-vs-AP001094.3	8.39E-20	2.14E-15
AC097634.3-vs-AP001094.3	3.07E-08	0.00078
AC087071.2-vs-AP001094.3	4.14E-15	1.06E-10
AC113143.1-vs-AP001094.3	7.17E-08	0.001824
AC092868.2-vs-AP001094.3	6.55E-19	1.67E-14
AC116447.1-vs-AP001094.3	1.40E-11	3.56E-07
LINC02352-vs-AP001094.3	1.65E-11	4.21E-07
AF131215.7-vs-AP001094.3	1.16E-06	0.029377
PRR34-vs-AP001094.3	6.97E-34	1.78E-29
BMS1P4-vs-AP001094.3	2.56E-33	6.54E-29
AL512625.1-vs-AP001094.3	6.18E-12	1.57E-07
AC069234.5-vs-AP001094.3	2.01E-15	5.13E-11
AC011461.1-vs-AP001094.3	5.73E-23	1.46E-18
AL359881.2-vs-AP001094.3	5.81E-13	1.48E-08
DBH-AS1-vs-AP001094.3	5.73E-23	1.46E-18
AC005332.7-vs-AP001094.3	1.73E-14	4.39E-10
AC005838.2-vs-AP001094.3	4.43E-10	1.13E-05
AC005837.1-vs-AP001094.3	1.68E-17	4.27E-13
AC007406.3-vs-AP001094.3	1.70E-07	0.004312
AL596325.2-vs-AP001094.3	3.69E-14	9.38E-10
AL121672.3-vs-AP001094.3	2.58E-17	6.56E-13
CFAP58-DT-vs-AP001094.3	2.11E-10	5.37E-06
ZNF433-AS1-vs-AP001094.3	4.43E-07	0.011258
AC063943.1-vs-AP001094.3	8.13E-14	2.07E-09
LINC00449-vs-AP001094.3	7.15E-19	1.82E-14
AC006538.1-vs-AP001094.3	4.32E-20	1.10E-15
MCPH1-AS1-vs-AP001094.3	4.83E-13	1.23E-08
AC141930.1-vs-AP001094.3	4.34E-09	0.00011
LINC00937-vs-AP001094.3	5.63E-24	1.44E-19
AC004596.1-vs-AP001094.3	1.05E-15	2.68E-11
AC092903.2-vs-AP001094.3	9.05E-10	2.30E-05
LINC02749-vs-AP001094.3	1.03E-08	0.000262
AC096586.2-vs-AP001094.3	4.02E-16	1.02E-11
CDC42-IT1-vs-AP001094.3	2.53E-19	6.45E-15
MRVI1-AS1-vs-AP001094.3	4.47E-18	1.14E-13
U62317.3-vs-AP001094.3	3.82E-19	9.73E-15
LINC01504-vs-AP001094.3	2.84E-14	7.22E-10
AC118344.1-vs-AP001094.3	3.85E-17	9.80E-13
SLC12A5-AS1-vs-AP001094.3	1.13E-19	2.88E-15
FAM66B-vs-AP001094.3	1.34E-24	3.43E-20
TERC-vs-AP001094.3	5.69E-25	1.45E-20

AC097532.2-vs-AP001094.3	8.36E-22	2.13E-17
AC129507.1-vs-AP001094.3	9.69E-11	2.46E-06
AL606489.1-vs-AP001094.3	1.30E-14	3.30E-10
AC104411.1-vs-AP001094.3	6.41E-07	0.016293
AC131025.1-vs-AP001094.3	3.77E-17	9.59E-13
AL136115.2-vs-AP001094.3	2.55E-17	6.48E-13
ATP6V1B1-AS1-vs-AP001094.3	7.37E-19	1.88E-14
AL390208.1-vs-AP001094.3	8.66E-17	2.20E-12
AC105446.1-vs-AP001094.3	2.43E-08	0.000619
AP000873.4-vs-AP001094.3	5.86E-17	1.49E-12
LINC01426-vs-AP001094.3	5.34E-19	1.36E-14
AP001094.3-vs-AP001636.3	3.87E-28	9.91E-24
AP001094.3-vs-AP002478.2	3.09E-18	7.87E-14
AP001094.3-vs-AP002892.1	1.53E-23	3.91E-19
AP001094.3-vs-ARLNC1	3.08E-18	7.85E-14
AP001094.3-vs-ASTN2-AS1	3.12E-20	7.97E-16
AP001094.3-vs-BMP7-AS1	1.87E-24	4.77E-20
AP001094.3-vs-C22orf24	4.43E-28	1.13E-23
AP001094.3-vs-CU638689.5	6.74E-20	1.72E-15
AP001094.3-vs-FAM30A	4.14E-17	1.05E-12
AP001094.3-vs-FOCAD-AS1	9.82E-21	2.50E-16
AP001094.3-vs-HSD17B3-AS1	7.78E-28	1.99E-23
AP001094.3-vs-KCNAB1-AS1	9.79E-24	2.50E-19
AP001094.3-vs-KIAA2012-AS1	7.35E-22	1.88E-17
AP001094.3-vs-LINC00159	4.83E-39	1.24E-34
AP001094.3-vs-LINC00562	1.05E-41	2.69E-37
AP001094.3-vs-LINC00567	5.05E-26	1.29E-21
AP001094.3-vs-LINC00681	2.46E-19	6.28E-15
AP001094.3-vs-LINC01297	3.51E-13	8.93E-09
AP001094.3-vs-LINC01300	2.07E-23	5.27E-19
AP001094.3-vs-LINC01323	2.11E-22	5.38E-18
AP001094.3-vs-LINC01501	8.31E-30	2.12E-25
AP001094.3-vs-LINC01525	1.53E-13	3.89E-09
AP001094.3-vs-LINC01794	2.44E-25	6.23E-21
AP001094.3-vs-LINC02076	1.45E-24	3.72E-20
AP001094.3-vs-LINC02110	7.22E-20	1.84E-15
AP001094.3-vs-LINC02122	4.92E-16	1.25E-11
AP001094.3-vs-LINC02145	7.88E-25	2.01E-20
AP001094.3-vs-LINC02278	1.59E-21	4.04E-17
AP001094.3-vs-LINC02330	1.16E-20	2.97E-16
AP001094.3-vs-LINC02365	5.43E-14	1.38E-09
AP001094.3-vs-LINC02640	1.67E-23	4.27E-19
AP001094.3-vs-LINC02688	2.51E-25	6.40E-21
AP001094.3-vs-LURAP1L-AS1	1.55E-21	3.96E-17

AP001094.3-vs-MORC2-AS1	4.39E-39	1.12E-34
AP001094.3-vs-NAV2-IT1	6.07E-27	1.55E-22
AP001094.3-vs-NEURL1-AS1	3.90E-17	9.94E-13
AP001094.3-vs-NRG1-IT1	2.58E-18	6.58E-14
AP001094.3-vs-ROR1-AS1	1.05E-41	2.69E-37
AP001094.3-vs-SMIM2-IT1	1.73E-16	4.40E-12
AP001094.3-vs-TTC3-AS1	1.05E-45	2.69E-41
AP001094.3-vs-Z83847.1	1.01E-23	2.58E-19
