

**Table S1** Differentially expressed lncRNAs

LncRNA_id	Locus	Length	Log2FC	P value
NONHSAT149933.1	1:160205319–160215376	2,315	9.296114	0.000187
NONHSAT074561.2	2:134449389–134454621	5,233	9.282557	0.000137
NONHSAT242793.1	2:177358806–177392691	27,078	8.280421	2.16E–05
NONHSAT225580.1	1:152189305–152314710	11,558	8.045366	0.001367
ENST00000620266	17:68126666–68129586	2,921	7.985714	7.14E–06
NONHSAT236275.1	16:1076379–1078621	2,243	7.362144	0.000515
NONHSAT141130.2	16:23641366–23673747	7,430	7.017111	1.34E–06
NONHSAT183309.1	2:190880869–190923970	1,400	6.855601	3.82E–05
NONHSAT235494.1	15:75727612–75738617	4,772	6.772284	0.00819
ENST00000453554	1:16872284–16874044	1,546	6.747068	0.007198
NONHSAT226897.1	1:93261702–93345790	3,401	6.567664	2.77E–05
NONHSAT244267.1	21:38503818–38522379	17,597	6.553923	0.006281
NONHSAT247738.1	4:118591792–118614566	6,494	6.501772	0.009213
NONHSAT231980.1	12:30963920–31006006	15,149	6.4225	0.00884
NONHSAT167270.1	13:110895060–110899173	380	6.408573	0.000803
NONHSAT092485.2	3:142818121–142818402	282	6.28981	2.99E–06
NONHSAT238687.1	18:9119055–9136553	14,646	6.226503	0.003105
NONHSAT253490.1	7:79452175–79471380	12,010	6.21107	0.00707
NONHSAT239104.1	19:8005791–8016182	7,744	6.0094	0.00106
NONHSAT241776.1	2:19316137–19348023	31,665	5.968836	0.002046
ENST00000609911	11:128180427–128183554	951	5.960422	0.003057
ENST00000609089	2:225698514–225703654	5,141	5.949534	0.001119
NONHSAT190339.1	20:40887623–40889343	1,721	5.853906	0.001193
NONHSAT258422.1	X:135034493–135040767	3,215	5.796721	0.000205
NONHSAT079742.2	20:40694410–40717544	1,388	5.788177	0.003727
NONHSAT010618.2	1:243501764–243503593	1,830	5.731349	1.44E–05
NONHSAT234358.1	14:68513168–68565250	10,175	5.688348	0.000277

NONHSAT209114.1	6:41905353–41921147	2,233	5.502744	2.65E–10
NONHSAT258081.1	X:18984194–19083141	1,380	5.468664	0.003124
NONHSAT256326.1	8:134783114–134832309	25,828	5.400756	0.008289
NONHSAT189677.1	20:40877372–40887505	6,272	5.34141	0.000468
NONHSAT195411.1	3:11203458–11207379	3,533	5.312593	0.000941
NONHSAT168176.1	14:23324275–23326171	940	5.299396	0.004504
NONHSAT227526.1	1:207805615–207824011	11,335	5.285753	0.009419
NONHSAT073110.2	2:108685522–108687241	1,720	5.268262	0.000594
NONHSAT248439.1	4:88000467–88007459	6,897	5.188774	0.000319
NONHSAT249714.1	5:173474990–173523400	8,554	5.184168	0.000602
ENST00000428495	20:40696499–40698616	1,669	5.172472	0.001678
NONHSAT198638.1	4:57109763–57205511	1,932	5.172423	0.00461
NONHSAT235718.1	15:99391622–99403713	10,319	5.101399	0.002067
NONHSAT245777.1	3:123585317–123617227	6,383	5.085568	0.003275
NONHSAT244709.1	22:19171715–19175403	3,593	4.875042	0.001402
NONHSAT031484.2	12:122063400–122078514	10,655	4.836498	0.001296
NONHSAT046678.2	15:64687576–64688227	652	4.792533	0.001089
ENST00000534150	11:117833719–117837792	959	4.78718	0.005854
NONHSAT255322.1	8:103080257–103136171	3,659	4.739425	0.002544
NONHSAT258782.1	X:74209039–74292583	10,346	4.71457	0.009999
ENST00000421157	1:113011687–113073105	2,459	4.713449	0.003031
NONHSAT240772.1	2:81481740–81594098	12,932	4.6672	0.003137
NONHSAT066638.2	19:43883819–43901842	1,118	4.573563	0.006062
NONHSAT229619.1	11:8964535–8977753	10,304	4.538475	0.001547
NONHSAT131771.2	9:69121470–69218361	661	4.532103	0.004264
ENST00000437190	1:173418074–173442097	1,016	4.530122	0.002756
NONHSAT241099.1	2:145023206–145261677	9,377	4.514775	0.000296
NONHSAT067075.2	19:48479847–48482314	2,468	4.507212	0.00028
NONHSAT233963.1	14:100830224–100861030	4,903	4.491206	0.000908

NONHSAT096092.2	4:39547301–39549586	2,286	4.481002	0.000623
NONHSAT029197.2	12:65602825–65618892	6,560	4.428947	0.001913
NONHSAT180112.1	19:5021639–5153605	789	4.424613	0.001271
NONHSAT229349.1	10:103964180–103967025	2,846	4.415026	0.000998
NONHSAT130953.2	9:35616045–35646857	955	4.395515	0.009967
NONHSAT237933.1	17:43362744–43365038	2,295	4.322998	0.006994
NONHSAT229301.1	10:95886335–95908162	13,291	4.302214	1.72E–05
ENST00000423530	2:215619635–215827403	2,104	4.262703	0.00434
NONHSAT231909.1	12:24207355–24208142	788	4.251673	2.22E–05
NONHSAT006266.2	1:150045314–150046666	1,353	4.246545	0.007613
NONHSAT122291.2	7:100039550–100041688	2,139	4.227134	0.000648
NONHSAT170604.1	15:32691712–32697091	630	4.21459	0.001373
NONHSAT236869.1	16:86846734–86848992	2,259	4.183911	0.008479
NONHSAT228247.1	10:50624084–50641503	15,030	4.163584	0.003178
NONHSAT184743.1	2:63892145–63912589	1,725	4.145286	0.002713
NONHSAT226847.1	1:86697354–86704484	7,131	4.129684	0.000103
NONHSAT247037.1	3:178947830–178967080	13,913	4.123744	0.001987
NONHSAT226345.1	1:9422184–9429061	3,000	4.031687	0.00675
NONHSAT254137.1	7:44983023–45000008	7,565	4.01474	0.008822
NONHSAT243835.1	20:40744776–40747933	3,158	4.011609	0.001872
NONHSAT258071.1	X:16576403–16587666	10,435	3.99665	0.009741
NONHSAT248498.1	4:109410253–109433764	21,244	3.965548	9.76E–05
NONHSAT144364.2	16:88177440–88186090	476	3.962165	0.006181
NONHSAT251340.1	6:99424919–99464598	37,798	3.8379	0.007268
NONHSAT232758.1	13:45344419–45395950	5,520	3.831013	0.00595
NONHSAT193834.1	3:45205838–45216898	11,061	3.754872	0.002292
NONHSAT159840.1	11:126413515–126414635	809	3.7148	0.00618
NONHSAT191015.1	21:42893317–42903626	631	3.71319	0.000874
NONHSAT149754.1	1:149028668–149033011	1,234	3.639281	0.000354

NONHSAT179797.1	19:44914869–44919342	387	3.633244	0.003796
NONHSAT152294.1	1:150548565–150558474	1,297	3.622529	0.00589
NONHSAT183075.1	2:170949640–170966225	1,209	3.619758	0.002201
NONHSAT219236.1	9:15459794–15462601	1,491	3.619483	2.21E–06
NONHSAT152551.1	1:173417794–173461363	2,282	3.616419	0.002677
NONHSAT244881.1	22:38079726–38094627	9,471	3.574833	0.00039
ENST00000625474	1:218442626–218443996	1,371	3.527688	0.00138
NONHSAT204598.1	5:116497330–116574810	940	3.521642	0.001545
NONHSAT163967.1	12:108646574–108648720	1,065	3.519463	0.001026
NONHSAT189125.1	20:62278746–62279086	341	3.472582	0.000486
NONHSAT105953.2	5:181323506–181328195	4,370	3.46775	0.004844
NONHSAT137549.2	X:73820671–73850609	16,923	3.44683	0.007905
NONHSAT203262.1	5:136191406–136222160	2,089	3.431785	0.000634
NONHSAT231036.1	12:6753189–6754386	1,198	3.375656	0.002349
ENST00000416931	1:629062–629433	372	3.37529	0.002368
ENST00000605323	7:64942143–64942926	784	3.362809	0.007173
NONHSAT253358.1	7:45805110–45813129	7,911	3.333548	0.00793
NONHSAT207507.1	6:75914257–75916227	1,440	3.330593	0.002259
NONHSAT244166.1	21:25562131–25579069	10,909	3.313607	0.004149
NONHSAT102609.2	5:88268850–88290641	18,802	3.292438	0.003702
NONHSAT141672.2	16:29926306–29928933	2,292	3.276872	0.000464
NONHSAT093648.2	3:183447651–183455927	1,546	3.265814	0.009837
NONHSAT246436.1	3:42602549–42654388	1,432	3.264083	0.007996
ENST00000421848	9:61868727–61887084	492	3.18499	0.004682
NONHSAT170496.1	15:22498065–22592025	2,491	3.172404	0.000512
NONHSAT162819.1	12:116414443–116422569	8,127	3.142768	0.005863
NONHSAT004970.2	1:107964055–108006089	12,489	3.130089	0.00196
NONHSAT100622.2	5:17169256–17217399	2,381	3.088948	0.001874
ENST00000637719	10:42408168–42472240	3,311	3.051232	0.007917

NONHSAT181502.1	2:30231735–30235685	1,311	3.048535	0.004353
NONHSAT163630.1	12:57530312–57532840	1,201	2.996169	9.18E–06
NONHSAT072653.2	2:97548007–97550242	2,142	2.918284	0.005259
ENST00000438047	7:157854585–157866092	4,302	2.885972	0.006434
NONHSAT096464.2	4:55427907–55431424	3,518	2.86479	0.003104
NONHSAT073772.2	2:113250721–113267009	2,394	2.854038	0.009228
ENST00000577806	18:74593201–74597569	951	2.819103	0.000218
NONHSAT245498.1	3:45076549–45078698	2,150	2.796932	0.005213
NONHSAT233232.1	13:50080119–50081991	1,873	2.784334	0.002064
NONHSAT241317.1	2:191690541–191694771	4,231	2.694108	0.00429
NONHSAT092438.2	3:141612907–141615343	2,437	2.688769	0.004246
NONHSAT256837.1	9:86948678–86948919	242	2.67229	0.006892
NONHSAT207087.1	6:30898998–30900091	976	2.641477	0.007088
NONHSAT096182.2	4:41959142–41960556	1,415	2.632393	0.001766
NONHSAT255084.1	8:54162129–54188368	1,986	2.627453	0.00796
ENST00000533684	11:7457032–7465774	1,054	2.61992	0.006495
NONHSAT231227.1	12:49386490–49388817	1,023	2.595013	0.003614
NONHSAT124386.2	7:155641916–155644406	1,385	2.581017	0.009544
NONHSAT169172.1	14:30956151–31026368	557	2.580963	0.00278
NONHSAT204503.1	5:98901274–98928971	1,080	2.563231	0.002405
NONHSAT244221.1	21:33931614–33984529	23,093	2.551859	0.007696
NONHSAT238316.1	18:120586–122120	1,535	2.484501	0.005071
NONHSAT227356.1	1:173866300–173866712	413	2.462403	0.002412
NONHSAT082286.2	21:41767988–41776144	2,393	2.460466	0.006363
NONHSAT239844.1	19:21438493–21463904	16,269	2.45161	0.006143
NONHSAT246001.1	3:161264347–161266303	1,957	2.407908	0.003418
NONHSAT212134.1	7:56060883–56063511	733	2.403231	0.001691
NONHSAT211884.1	7:30323663–30366563	790	2.378908	0.00826
NONHSAT220819.1	9:70153135–70175889	3,415	2.378337	0.003776

NONHSAT258423.1	X:135034940–135036692	1,753	2.373721	0.008101
NONHSAT011123.2	10:4980066–4983280	3,215	2.361137	0.007903
NONHSAT222559.1	X:21893601–21911696	7,712	2.299737	0.005729
ENST00000616682	16:54290965–54292422	1,458	2.222343	0.007612
NONHSAT164390.1	12:9587209–9588906	1,698	2.206911	0.005869
ENST00000605830	3:129893871–129908911	3,496	2.185265	0.009804
NONHSAT157491.1	10:110293042–110295246	1,265	2.163318	0.004852
ENST00000591836	19:56376704–56377284	581	2.159558	0.00695
NONHSAT254186.1	7:56370257–56373105	2,849	2.079945	0.002997
NONHSAT033584.2	13:45369627–45383838	790	2.067912	0.004619
NONHSAT258866.1	X:115893550–115894377	828	2.05454	0.008284
NONHSAT254188.1	7:56373431–56374162	732	2.03954	0.007959
NONHSAT168463.1	14:55129263–55145406	1,047	2.038054	0.009107
NONHSAT224676.1	1:9182189–9186390	3,946	2.002712	0.004947
NONHSAT173517.1	16:2328477–2340770	686	–2.03298	0.007495
NONHSAT066170.2	19:37829551–37832160	2,610	–2.03319	0.007491
NONHSAT071727.2	2:74502617–74505065	2,449	–2.04221	0.001985
NONHSAT249388.1	5:98927387–98953060	25,674	–2.06517	0.009992
NONHSAT221026.1	9:93447222–93452918	1,490	–2.06888	0.008457
NONHSAT258500.1	X:5718851–5726194	1,287	–2.07267	0.007784
NONHSAT168075.1	13:109670697–109687074	16,378	–2.07363	0.005567
ENST00000451736	1:206695837–206696269	433	–2.08973	0.00748
ENST00000467198	3:147940004–147943014	2,569	–2.09195	0.007938
NONHSAT199202.1	4:148047029–148072772	1,048	–2.12168	0.009782
ENST00000445784	7:90312496–90322592	733	–2.1218	0.008415
NONHSAT248367.1	4:76935503–76949620	14,118	–2.12304	0.004827
NONHSAT252394.1	6:71382351–71420829	35,028	–2.15306	0.006957
NONHSAT115202.2	6:138340185–138344611	4,427	–2.18248	0.004661
NONHSAT023724.2	11:94543022–94543778	757	–2.18782	0.007757

NONHSAT016379.2	10:111020562–111022733	2,172	–2.1976	0.001655
NONHSAT227766.1	1:234701856–234724104	15,827	–2.22216	0.002125
NONHSAT173470.1	16:89560712–89563027	1,241	–2.25295	0.005081
NONHSAT130018.2	9:3218302–3223008	4,707	–2.25654	0.009294
NONHSAT236086.1	16:67481404–67506689	15,204	–2.31058	0.009952
ENST00000609162	22:38090127–38091559	1,433	–2.31837	0.000703
NONHSAT011084.2	10:4231244–4243757	4,793	–2.32323	0.00487
NONHSAT151273.1	1:24391273–24413710	697	–2.32943	0.00975
NONHSAT151222.1	1:19975441–19979601	678	–2.32998	0.006697
NONHSAT131778.2	9:69427533–69429835	2,303	–2.34179	0.007635
NONHSAT079851.2	20:44210992–44226423	2,084	–2.3624	0.004135
NONHSAT119395.2	7:19898519–20125485	4,891	–2.38946	0.002789
NONHSAT123314.2	7:129830735–129832578	1,844	–2.3989	0.00597
NONHSAT144690.2	17:331192–333399	1,019	–2.4295	0.005999
NONHSAT238288.1	17:82380838–82385499	4,125	–2.43491	0.007263
NONHSAT119644.2	7:26497996–26501940	3,945	–2.43756	0.000348
NONHSAT249087.1	5:44422218–44422635	418	–2.45075	0.007351
NONHSAT236147.1	16:76635024–77075595	7,133	–2.46212	0.006766
NONHSAT216782.1	8:10893497–10896846	3,350	–2.46388	0.003042
NONHSAT160594.1	11:86838090–86921496	1,416	–2.47453	0.00448
NONHSAT203225.1	5:134374373–134390777	849	–2.48484	0.000675
NONHSAT097976.2	4:118278758–118279821	872	–2.49074	0.003401
ENST00000617006	19:46787815–46789043	1,229	–2.50574	0.009314
NONHSAT231435.1	12:89525565–89552895	4,014	–2.53506	0.002161
NONHSAT027377.2	12:25951863–25958118	4,292	–2.54006	0.000634
NONHSAT245180.1	22:37190380–37199323	1,061	–2.57824	0.007149
NONHSAT173583.1	16:8893505–8894856	764	–2.58559	0.003598
NONHSAT225820.1	1:201514243–201516739	2,497	–2.59942	0.007497
NONHSAT049662.2	15:92781775–92790067	2,364	–2.61874	0.000691

NONHSAT145443.2	17:7685260–7686415	1,156	–2.66199	0.005394
NONHSAT248655.1	4:140861093–140863475	2,383	–2.71633	0.005026
NONHSAT071667.2	2:74148045–74157954	9,682	–2.72249	0.001448
NONHSAT153201.1	1:236550358–236552039	674	–2.73421	0.00355
NONHSAT138962.2	X:149939747–149942476	1,844	–2.74364	0.001083
NONHSAT096245.2	4:46919715–46922394	2,680	–2.74903	0.003257
NONHSAT107739.2	6:11136920–11138738	1,819	–2.79603	0.007725
NONHSAT083137.2	22:16601866–16653809	5,903	–2.8161	0.004558
NONHSAT256050.1	8:89569703–89571603	1,901	–2.81698	0.009852
NONHSAT240336.1	2:10029347–10043160	13,814	–2.81716	0.000397
ENST00000624192	5:141136683–141241744	573	–2.83617	0.007923
NONHSAT018167.2	11:15966450–15968295	1,846	–2.87138	0.001949
NONHSAT227524.1	1:207801522–207804080	2,559	–2.88411	0.00231
NONHSAT213706.1	7:92112159–92117057	1,699	–2.88857	0.004748
NONHSAT200833.1	4:187236229–187237531	1,303	–2.92102	0.008913
NONHSAT213976.1	7:130018293–130022514	636	–2.97509	0.004228
ENST00000458274	X:149939739–149940832	547	–2.98275	0.003917
NONHSAT032559.2	13:24928755–24968469	6,477	–2.98279	4.73E–05
NONHSAT248932.1	5:5323954–5326358	2,405	–2.98619	0.006055
NONHSAT151221.1	1:19975436–19979343	1,737	–2.98942	0.001226
NONHSAT163123.1	12:131711567–131712367	801	–2.99898	0.002873
NONHSAT237658.1	17:1711516–1717146	2,037	–3.01556	0.00909
NONHSAT241338.1	2:197435732–197436710	979	–3.02312	0.006887
NONHSAT044015.2	15:56089203–56096616	3,400	–3.03177	0.00277
NONHSAT225726.1	1:179921421–179922725	1,305	–3.08278	0.005805
ENST00000517763	8:27903229–27903495	267	–3.10054	0.002304
NONHSAT249044.1	5:38556792–38647906	3,574	–3.10415	0.001587
NONHSAT078052.2	20:311125–325268	9,972	–3.11439	0.003177
NONHSAT163342.1	12:15620165–15623251	1,360	–3.13149	0.009113



NONHSAT119857.2	7:30182571–30272761	3,362	–3.17182	0.002865
NONHSAT138820.2	X:140783064–140784668	923	–3.18031	0.004254
NONHSAT115126.2	6:136335714–136342216	1,195	–3.1832	0.006838
NONHSAT138165.2	X:110175747–110177786	2,040	–3.23917	0.007852
NONHSAT123201.2	7:128531372–128625910	1,666	–3.25141	0.000924
NONHSAT150603.1	1:221754684–221773409	18,726	–3.2519	0.009151
NONHSAT001104.2	1:16367030–16398148	3,390	–3.25558	0.006548
ENST00000447950	9:8858130–8862255	1,668	–3.26212	0.004521
NONHSAT108368.2	6:27357823–27375374	2,889	–3.2742	0.009032
NONHSAT207178.1	6:34387683–34392467	4,785	–3.28176	0.001172
NONHSAT149231.1	1:77979194–78017254	2,023	–3.29689	0.002862
NONHSAT213989.1	7:130944160–131109916	3,230	–3.30808	0.000112
NONHSAT258314.1	X:102769161–102917367	13,577	–3.31263	0.005872
ENST00000562284	4:47431960–47438959	7,000	–3.33265	0.001484
NONHSAT047509.2	15:77991846–77994024	1,980	–3.33497	0.002222
NONHSAT089287.2	3:43346919–43351962	3,475	–3.37742	0.005163
NONHSAT235668.1	15:96088326–96135841	45,993	–3.38531	0.000163
NONHSAT138672.2	X:135050933–135051271	339	–3.40678	0.001118
NONHSAT025080.2	11:128899565–128906231	3,558	–3.41421	0.004171
NONHSAT093004.2	3:161074653–161078902	4,250	–3.41883	6.11E–05
NONHSAT194852.1	3:168890721–168895546	4,826	–3.4339	3.63E–05
NONHSAT163467.1	12:42160042–42161765	938	–3.44727	8.46E–05
NONHSAT070107.2	2:37196492–37204743	3,335	–3.4769	0.001599
NONHSAT092402.2	3:140571706–140577397	5,692	–3.49869	0.00058
NONHSAT255283.1	8:100721702–100722068	367	–3.51192	0.002292
NONHSAT254377.1	7:104905622–104926627	6,654	–3.54587	0.002932
NONHSAT079853.2	20:44211086–44226027	1,729	–3.56998	0.004744
NONHSAT234929.1	15:66842723–66870366	20,355	–3.57627	0.006805
NONHSAT254545.1	7:130943947–130961249	1,998	–3.61524	0.000361

NONHSAT188635.1	20:30403571–30407117	940	–3.62347	0.004453
NONHSAT200087.1	4:75949915–75956011	920	–3.66445	0.007603
NONHSAT257360.1	9:21501959–21559698	10,504	–3.66789	0.008482
NONHSAT171799.1	15:76216296–76283826	756	–3.70131	0.008096
NONHSAT245969.1	3:155822477–155826087	3,007	–3.74382	0.001025
NONHSAT237542.1	17:78360441–78376635	13,075	–3.74435	0.004013
NONHSAT106677.2	6:2452411–2484027	2,585	–3.74801	0.001215
NONHSAT185129.1	2:95807072–95815835	1,492	–3.76554	0.006241
NONHSAT155882.1	10:91923808–91951439	822	–3.7736	0.000209
ENST00000533922	11:134032272–134041248	2,206	–3.78943	0.009663
NONHSAT227881.1	10:3052083–3053151	879	–3.80048	0.000309
NONHSAT185102.1	2:88857169–89027689	906	–3.83476	0.007938
NONHSAT181633.1	2:38644223–38734688	1,032	–3.83591	0.003615
NONHSAT092595.2	3:147995752–148007087	601	–3.85894	0.003158
ENST00000620446	17:19190028–19190245	218	–3.87591	0.004301
NONHSAT034667.2	13:91347687–91358663	8,854	–3.88932	0.000419
NONHSAT250134.1	5:73243679–73274928	3,226	–3.89307	0.006058
ENST00000536497	12:2761200–2771670	572	–3.90563	0.004141
ENST00000452075	10:42513510–42552794	8,637	–3.90891	1.89E–05
NONHSAT175811.1	17:1422338–1436705	1,399	–3.91198	0.000282
NONHSAT228339.1	10:75398872–75412482	9,003	–3.91791	0.009354
NONHSAT130449.2	9:22767107–22768487	1,381	–3.94015	0.000496
NONHSAT232238.1	12:72269209–72274212	5,004	–3.95325	0.006806
NONHSAT254502.1	7:129587906–129611654	23,574	–3.96388	0.00846
NONHSAT229153.1	10:79049976–79067895	16,352	–3.96557	0.004208
ENST00000582096	17:57989039–57991521	2,483	–3.98002	0.000379
NONHSAT222870.1	X:103356536–103358453	1,001	–3.99481	0.000481
ENST00000628757	2:70056192–70086220	623	–4.01382	0.007734
NONHSAT192682.1	22:22380857–22906799	864	–4.01412	0.005268

NONHSAT245616.1	3:67654747–67766200	16,730	–4.01469	0.000104
NONHSAT245893.1	3:139281553–139284496	2,249	–4.03349	0.008559
NONHSAT229303.1	10:96038553–96090215	51,359	–4.05834	0.00035
ENST00000520310	13:45341538–45378620	563	–4.06001	0.006924
NONHSAT208971.1	6:31268754–31270245	675	–4.08497	0.006368
NONHSAT169027.1	14:105668124–105741795	447	–4.08738	1.49E–05
ENST00000431157	10:19721588–19728550	932	–4.09352	0.000362
NONHSAT185078.1	2:88857162–88966735	906	–4.09618	0.006707
NONHSAT090097.2	3:57753087–57755054	1,968	–4.10811	0.006247
NONHSAT186069.1	2:189746686–189762757	1,770	–4.12303	0.00202
ENST00000470274	22:21473009–21477143	2,414	–4.14772	0.0007
NONHSAT151751.1	1:67637784–67645165	1,744	–4.17359	0.003845
NONHSAT228242.1	10:50622459–50641503	15,952	–4.17473	0.003696
ENST00000457958	17:72403322–72592340	1,696	–4.18806	0.001492
NONHSAT084824.2	22:30969158–30973592	3,191	–4.19188	0.002421
ENST00000455406	1:71081324–71237723	783	–4.2033	0.003027
NONHSAT255371.1	8:123810969–123811415	447	–4.21102	2.00E–06
NONHSAT258767.1	X:73833204–73844746	3,600	–4.2279	0.005053
NONHSAT112221.2	6:36493890–36494353	464	–4.22955	0.000471
NONHSAT212511.1	7:107583926–107618636	712	–4.25849	0.004185
NONHSAT108043.2	6:21597430–21598619	1,190	–4.2705	0.001311
NONHSAT074821.2	2:145023206–145043945	388	–4.27209	0.005291
NONHSAT181094.1	2:264954–278270	1,377	–4.31058	0.008271
NONHSAT030209.2	12:100163258–100167639	3,384	–4.3127	0.002608
ENST00000627965	7:78134079–78134851	773	–4.336	0.008192
NONHSAT181735.1	2:47369328–47374498	1,053	–4.34706	0.002526
NONHSAT152747.1	1:201465492–201468138	703	–4.39215	0.001134
NONHSAT097559.2	4:100395341–100397576	2,236	–4.40101	9.77E–05
NONHSAT167321.1	13:113926526–113934288	7,579	–4.42244	0.001398

NONHSAT257335.1	9:15163553–15166980	3,428	–4.44827	0.00066
NONHSAT224675.1	1:9182189–9186390	2,740	–4.47561	0.00644
NONHSAT091032.2	3:107240718–107254766	6,418	–4.48531	0.003102
NONHSAT168169.1	14:22871794–22875094	765	–4.58927	4.47E–05
NONHSAT176201.1	17:41802454–41807899	651	–4.59049	0.009736
NONHSAT159185.1	11:62665433–62665953	521	–4.59786	0.000509
ENST00000520422	8:37421404–37493834	734	–4.60263	0.000658
NONHSAT174055.1	16:75412648–75433461	398	–4.61657	0.000286
NONHSAT108676.2	6:30742806–30744609	1,527	–4.70422	0.006268
NONHSAT087778.2	3:9389907–9397490	1,987	–4.71245	0.002601
NONHSAT242242.1	2:84948734–84971005	22,167	–4.75546	0.000322
ENST00000419168	6:146594516–146598931	2,190	–4.80785	0.007762
NONHSAT134170.2	9:113112896–113119846	5,802	–4.81477	3.43E–05
NONHSAT056576.2	17:81878421–81881621	3,201	–4.82051	0.000204
NONHSAT256963.1	9:100353071–100396545	4,918	–4.83253	0.00085
ENST00000602591	6:30287397–30289372	1,976	–4.84269	0.000674
NONHSAT257953.1	9:136633388–136646568	9,006	–4.86179	0.003001
NONHSAT180096.1	19:3948222–3951349	2,304	–4.90319	0.005152
NONHSAT061078.2	19:10651859–10653919	2,061	–4.91706	0.000322
NONHSAT227509.1	1:207795491–207822253	23,424	–5.00023	0.0021
NONHSAT040927.2	15:24570918–24587732	4,159	–5.00592	0.006549
NONHSAT250348.1	5:122842865–122845518	2,575	–5.02724	0.007874
NONHSAT237739.1	17:10672356–10680117	4,955	–5.02734	1.40E–06
ENST00000381108	X:3853010–3863574	2,198	–5.02957	0.00038
ENST00000508065	5:70415352–70447526	1,432	–5.09193	0.006024
NONHSAT232981.1	13:113897509–113926610	12,307	–5.12637	0.001868
NONHSAT240329.1	2:9565633–9580985	6,111	–5.13454	0.005028
NONHSAT160560.1	11:78103983–78139594	1,352	–5.14598	0.006365
ENST00000540997	1:224008727–224010612	1,886	–5.14693	0.000333

NONHSAT112119.2	6:34263451–34281511	2,049	–5.18823	0.003859
NONHSAT258746.1	X:73820614–73849851	10,514	–5.20054	0.000856
NONHSAT104991.2	5:168548495–168552969	4,475	–5.20685	8.19E–07
NONHSAT156457.1	10:133402151–133420511	776	–5.25022	0.000255
NONHSAT257669.1	9:97228230–97238708	10,479	–5.25198	0.004609
NONHSAT243275.1	20:25624087–25681710	7,371	–5.3551	1.05E–05
NONHSAT039749.2	14:100826108–100861023	1,760	–5.36242	0.000135
NONHSAT235090.1	15:90994736–91001685	6,950	–5.41615	0.001636
NONHSAT227583.1	1:212627193–212665645	6,007	–5.44692	0.003763
NONHSAT251801.1	6:170377261–170379046	1,725	–5.46457	0.003478
NONHSAT237028.1	17:10729777–10769114	1,578	–5.71101	0.008836
NONHSAT241924.1	2:44919383–44939232	8,150	–5.72529	0.00989
NONHSAT047507.2	15:77986374–77988574	908	–5.77622	5.46E–05
NONHSAT057067.2	18:5238100–5246504	5,487	–5.80378	0.008153
ENST00000504145	8:89717428–89757711	1,572	–5.81932	0.001258
NONHSAT073769.2	2:113235540–113267010	3,416	–5.84507	0.000148
NONHSAT092905.2	3:157174280–157177658	3,186	–5.84628	0.000136
NONHSAT000092.2	1:632770–633463	694	–5.96362	1.03E–05
NONHSAT056463.2	17:81302864–81308648	3,655	–6.0619	0.002185
NONHSAT216217.1	8:106270254–106272775	1,084	–6.22163	0.003069
NONHSAT098681.2	4:147480917–147544954	3,951	–6.2217	0.004626
MSTRG.33981.10	21:8395763–8440652	789	–6.50196	0.002857
NONHSAT258756.1	X:73820650–73852714	4,313	–6.5501	0.001273
NONHSAT254527.1	7:130871863–131107326	16,369	–6.56594	0.007995
NONHSAT175809.1	17:1344551–1354292	1,078	–6.63201	0.00035
ENST00000548149	12:49127782–49128879	675	–6.87593	0.000789
NONHSAT156376.1	10:129797206–129805403	4,672	–6.88761	3.36E–05
NONHSAT124015.2	7:149285281–149297312	3,154	–7.04458	0.000104
NONHSAT168464.1	14:55129267–55145283	942	–7.53019	1.44E–06

NONHSAT246771.1	3:125849177–125915922	16,195	-7.6627	0.001252
ENST00000508832	11:65501848–65503609	1,519	-8.03199	2.86E-06
NONHSAT216947.1	8:38347610–38382248	1,056	-8.1133	5.85E-05
NONHSAT247787.1	4:128287571–128507532	32,633	-9.73305	0.001141
MSTRG.54929.2	KI270733.1:129902–175288	308	#NAME?	0.00031
NONHSAT022143.2	11:65499058–65506410	5,243	#NAME?	1.39E-05
NONHSAT200246.1	4:102796588–102827492	1,515	#NAME?	5.53E-05
NONHSAT185998.1	2:178654505–178677875	1,554	#NAME?	0.000484
NONHSAT160729.1	11:111908626–111911715	634	#NAME?	0.000606
NONHSAT246332.1	3:14877562–14947492	3,084	#NAME?	1.68E-05
NONHSAT162222.1	12:53471689–53480806	1,520	#NAME?	0.000564
NONHSAT185981.1	2:178651293–178663054	963	#NAME?	0.000984
NONHSAT198916.1	4:108620663–108625200	634	#NAME?	0.000147
ENST00000520758	5:179503322–179515579	535	#NAME?	0.001172
NONHSAT037121.2	14:58265454–58273902	2,059	#NAME?	0.000463
NONHSAT237911.1	17:42999308–43000093	452	#NAME?	3.69E-05
NONHSAT185979.1	2:178651271–178659060	1,210	#NAME?	0.000307
NONHSAT094689.2	4:1249506–1252322	1,887	#NAME?	6.13E-05
NONHSAT123203.2	7:128531457–128591995	672	#NAME?	0.006215
NONHSAT162257.1	12:56155165–56161573	518	Inf	3.92E-05
NONHSAT207060.1	6:29928300–29945868	645	Inf	0.000617
NONHSAT179823.1	19:46608194–46610779	2,043	Inf	0.000365
MSTRG.54929.1	KI270733.1:129896–175288	315	Inf	0.00032
NONHSAT155926.1	10:97713465–97718137	1,395	Inf	2.60E-05
NONHSAT232260.1	12:80102897–80103363	253	Inf	0.002171
MSTRG.56217.3	X:115726269–115730352	1,122	Inf	1.34E-06
NONHSAT240814.1	2:87454821–87521513	550	Inf	0.000144
NONHSAT165420.1	13:28659159–28678491	835	Inf	0.001067
NONHSAT152484.1	1:165727278–165768838	1,397	Inf	0.000828

NONHSAT179347.1	19:2269557–2273485	1,106	Inf	0.000103
MSTRG.54927.4	KI270733.1:127948–173353	452	Inf	0.000542
NONHSAT194052.1	3:71582552–71583624	358	Inf	0.00044
NONHSAT184967.1	2:73762215–73780058	1,521	Inf	0.001102
NONHSAT163714.1	12:69136560–69354234	728	Inf	0.000775
NONHSAT168543.1	14:61745753–61748255	1,381	Inf	0.001057
NONHSAT125791.2	8:29057846–29064920	6,644	Inf	3.19E–05
NONHSAT149868.1	1:155131357–155134856	1,231	Inf	0.000159
NONHSAT179464.1	19:12940564–12944482	1,092	Inf	0.001355
NONHSAT209596.1	6:113943412–113971125	1,532	Inf	0.00122
ENST00000560865	8:29055935–29056685	552	Inf	0.003494
NONHSAT224362.1	Y:12662407–12709405	505	Inf	0.003239
NONHSAT180542.1	19:51345176–51366331	804	Inf	0.002919
MSTRG.33981.4	21:8212924–8440642	630	Inf	0.003306
NONHSAT108924.2	6:32662209–32665074	316	Inf	0.007926

The ‘Inf’ represents gene expression in NT group; the ‘#NAME’ represents gene expression in RCT group. LncRNA, long non-coding RNA; FC, fold change.