**Supplemental Table 1**

The list of differentially expressed lncRNAs in the comparison of 3-months-old control mice to 18-months-old control mice.



**Supplemental Table 2**

The list of differentially expressed lncRNAs in the comparison stroke MCAo 3-months-old mice to stroke MCAo 18-months-old mice.



**Supplemental Table 3**

The list of differentially expressed lncRNAs in the comparison 3-months-old stroke mice to 3-months-old control mice.



**Supplemental Table 4**

The list of differentially expressed lncRNAs in the comparison stroke 18-months-old mice to control 18-months-old mice.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **GeneID** | **Gene** | **Locus** | **Ctrl\_18M** | **MCAO\_18M** | **log2.fold\_change.** | **test\_stat** | **p\_value** | **q\_value** | **Description** |
| ENSMUSG00000086330.7 | 1700007J10Rik | chr11:59725916-59740154 | 0 | 37.0474 | #NUM! | #NUM! | 0.00005 | 0.00101228 | RIKEN cDNA 1700007J10 gene |
| ENSMUSG00000087122.1 | 4930403D09Rik | chr11:34299706-34308113 | 0 | 35.4074 | #NUM! | #NUM! | 0.00005 | 0.00101228 | RIKEN cDNA 4930403D09 gene |
| ENSMUSG00000085035.1 | Gm12031 | chr11:20145566-20146344 | 0 | 35.1968 | #NUM! | #NUM! | 0.00005 | 0.00101228 | predicted gene 12031 |
| ENSMUSG00000087477.1 | Gm13822 | chr5:114917317-114923277 | 0 | 61.9786 | #NUM! | #NUM! | 0.00005 | 0.00101228 | predicted gene 13822 |
| ENSMUSG00000085485.1 | Gm14024 | chr2:129246375-129268526 | 0 | 37.4458 | #NUM! | #NUM! | 0.00005 | 0.00101228 | predicted gene 14024 |
| ENSMUSG00000097136.1 | Gm26772 | chr14:25548389-25554369 | 3.59767 | 322.1 | 6.4843 | 8.09995 | 0.00005 | 0.00101228 |   |
| ENSMUSG00000099757.1 | BE692007 | chr19:11470165-11484578 | 7.66188 | 253.861 | 5.0502 | 3.65394 | 0.00005 | 0.00101228 | expressed sequence BE692007 |
| ENSMUSG00000087107.7 | AI662270 | chr11:83223575-83226604 | 25.796 | 481.215 | 4.22146 | 3.45866 | 0.00005 | 0.00101228 | expressed sequence AI662270 |
| ENSMUSG00000093726.1 | Gm20667 | chr14:67673176-67675106 | 1.95206 | 32.1909 | 4.04359 | 2.58633 | 0.0001 | 0.00183591 |   |
| ENSMUSG00000105601.1 | Gm42725 | chr5:65531567-65535760 | 2.46415 | 38.5115 | 3.96613 | 4.41702 | 0.00005 | 0.00101228 |   |
| ENSMUSG00000105842.1 | Gm43329 | chr3:105766965-105770197 | 2.19285 | 28.7568 | 3.71302 | 3.3503 | 0.00005 | 0.00101228 |   |
| ENSMUSG00000102719.1 | Gm37760 | chr1:58797782-58801623 | 1.86974 | 23.3116 | 3.64014 | 3.37361 | 0.00005 | 0.00101228 |   |
| ENSMUSG00000109408.1 | Gm44935 | chr11:119448787-119491298 | 21.029 | 257.412 | 3.61363 | 2.49529 | 0.00005 | 0.00101228 |   |
| ENSMUSG00000097415.2 | AU020206 | chr7:75769037-75782099 | 31.9197 | 353.768 | 3.47028 | 7.09342 | 0.00005 | 0.00101228 | expressed sequence AU020206 |
| ENSMUSG00000085399.7 | Foxd2os | chr4:114909256-114921967 | 3.2595 | 33.8726 | 3.3774 | 2.05781 | 0.00005 | 0.00101228 | forkhead box D2, opposite strand |
| ENSMUSG00000074813.12 | Gm14005 | chr2:128189986-128429349 | 17.7319 | 173.625 | 3.29155 | 1.75875 | 0.00005 | 0.00101228 |   |
| ENSMUSG00000106734.3 | Gm20559 | chr6:3333193-3346128 | 6.77932 | 60.9867 | 3.16928 | 1.2594 | 0.00005 | 0.00101228 | predicted gene, 20559 |
| ENSMUSG00000101585.6 | 1600010M07Rik | chr7:109998375-110151202 | 3.84188 | 32.3458 | 3.07369 | 0.806229 | 0.00195 | 0.020672 | RIKEN cDNA 1600010M07 gene |
| ENSMUSG00000097423.1 | Gm26522 | chr7:88278786-88283529 | 3.9913 | 32.3042 | 3.01679 | 2.49397 | 0.00005 | 0.00101228 |   |
| ENSMUSG00000084796.1 | Mir142hg | chr11:87755576-87757270 | 53.6154 | 425.16 | 2.98729 | 3.4148 | 0.00065 | 0.00872209 | Mir142 host gene (non-protein coding) |
| ENSMUSG00000075010.4 | AW112010 | chr19:11047616-11050566 | 23.0797 | 142.995 | 2.63127 | 3.11453 | 0.00005 | 0.00101228 | expressed sequence AW112010 |
| ENSMUSG00000102153.1 | Gm37474 | chr9:32525144-32526958 | 13.4705 | 78.6554 | 2.54575 | 3.73531 | 0.00005 | 0.00101228 |   |
| ENSMUSG00000104079.1 | Gm37024 | chr3:30488425-30489293 | 13.6092 | 79.2075 | 2.54106 | 2.70067 | 0.00005 | 0.00101228 |   |
| ENSMUSG00000103883.1 | Gm37010 | chr1:171688310-171690014 | 5.6124 | 31.9989 | 2.51133 | 2.50014 | 0.00005 | 0.00101228 |   |
| ENSMUSG00000085525.7 | Gm13166 | chr4:146153455-147492201 | 64.5395 | 300.182 | 2.21758 | 2.38996 | 0.00075 | 0.00978756 |   |
| ENSMUSG00000091192.1 | Sardhos | chr2:27189381-27234710 | 64.7508 | 283.11 | 2.12839 | 2.14437 | 0.0032 | 0.0294415 |   |
| ENSMUSG00000103123.1 | Gm37390 | chr1:180372668-180373540 | 10.5628 | 45.7737 | 2.11552 | 1.91468 | 0.0003 | 0.00459848 |   |
| ENSMUSG00000108486.1 | Gm44836 | chr7:35051397-35052537 | 34.6048 | 149.331 | 2.10947 | 1.91767 | 0.0023 | 0.023341 |   |
| ENSMUSG00000103041.1 | Gm37305 | chr3:65957757-65962036 | 16.9057 | 64.1914 | 1.92487 | 3.86902 | 0.00005 | 0.00101228 |   |
| ENSMUSG00000090860.1 | Gm17134 | chr10:79863936-79864434 | 535.835 | 1849.9 | 1.78759 | 3.97475 | 0.00005 | 0.00101228 |   |
| ENSMUSG00000090399.1 | Gm38399 | chr1:135606446-135688105 | 7.64049 | 26.171 | 1.77623 | 1.90292 | 0.0002 | 0.00328374 |   |
| ENSMUSG00000104906.1 | Gm43005 | chr3:126662378-126663026 | 14.978 | 51.1861 | 1.7729 | 1.49726 | 0.0018 | 0.0193872 |   |
| ENSMUSG00000097472.1 | Gm26586 | chr8:72137388-72140820 | 7.03804 | 23.9734 | 1.76819 | 1.86815 | 0.00025 | 0.00397539 |   |
| ENSMUSG00000097417.1 | Gm26669 | chr12:80108033-80113000 | 64.2064 | 215.149 | 1.74455 | 3.76932 | 0.00005 | 0.00101228 |   |
| ENSMUSG00000097142.1 | Gm26778 | chr14:102978219-102982528 | 12.5095 | 41.8605 | 1.74257 | 3.12205 | 0.00005 | 0.00101228 |   |
| ENSMUSG00000106874.1 | Gm20186 | chr6:18844219-18848207 | 8.7401 | 29.1111 | 1.73585 | 0.884214 | 0.00285 | 0.0269898 | predicted gene, 20186 |
| ENSMUSG00000104208.1 | Gm37401 | chr9:108337088-108338273 | 1193.56 | 3966.68 | 1.73267 | 4.11374 | 0.00005 | 0.00101228 |   |
| ENSMUSG00000104867.1 | Gm43728 | chr5:5309001-5311623 | 9.05235 | 28.8821 | 1.67381 | 2.31486 | 0.00005 | 0.00101228 |   |
| ENSMUSG00000097633.1 | Gm16617 | chr14:51986388-51988829 | 39.619 | 126.021 | 1.6694 | 2.27237 | 0.00005 | 0.00101228 | predicted gene, 16617 |
| ENSMUSG00000043488.5 | Frmd8os | chr19:5845622-5851388 | 144.049 | 456.223 | 1.66318 | 2.86556 | 0.00005 | 0.00101228 | FERM domain containing 8, opposite strand |
| ENSMUSG00000096956.2 | Snhg18 | chr15:32240564-32244662 | 54.4068 | 169.373 | 1.63834 | 3.19715 | 0.00005 | 0.00101228 | small nucleolar RNA host gene 18 |
| ENSMUSG00000100975.1 | Gm28875 | chr12:104925500-104926142 | 127.166 | 389.038 | 1.6132 | 3.00446 | 0.00005 | 0.00101228 |   |
| ENSMUSG00000106415.1 | Gm42893 | chr3:116629172-116630984 | 14.2629 | 43.1257 | 1.59628 | 2.05844 | 0.00005 | 0.00101228 |   |
| ENSMUSG00000087639.1 | Gm15512 | chr14:33365950-33370143 | 16.2523 | 46.4129 | 1.51388 | 2.42857 | 0.00005 | 0.00101228 |   |
| ENSMUSG00000095123.1 | Gm21781 | chr10:4391586-4396424 | 39.361 | 110.537 | 1.4897 | 3.49967 | 0.00005 | 0.00101228 |   |
| ENSMUSG00000100552.1 | Gm29019 | chr15:82982724-82989134 | 111.95 | 314.202 | 1.48883 | 1.33458 | 0.0019 | 0.020275 |   |
| ENSMUSG00000097889.1 | Gm26541 | chr10:80681837-80687176 | 9.41978 | 25.8612 | 1.45702 | 2.37442 | 0.00005 | 0.00101228 |   |
| ENSMUSG00000092274.2 | Neat1 | chr19:5824707-5845478 | 744.061 | 2001.91 | 1.42788 | 3.90351 | 0.00005 | 0.00101228 | nuclear paraspeckle assembly transcript 1 (non-protein coding) |
| ENSMUSG00000096977.1 | Gm10827 | chr10:18235052-18238060 | 51.7286 | 137.225 | 1.40751 | 3.08172 | 0.00005 | 0.00101228 | predicted gene 10827 |
| ENSMUSG00000108465.1 | Gm45110 | chr7:127448635-127460360 | 16.3236 | 43.1022 | 1.4008 | 1.67843 | 0.0005 | 0.00711092 |   |
| ENSMUSG00000097204.2 | Gm17690 | chr3:96167463-96172416 | 79.3962 | 209.227 | 1.39793 | 2.39667 | 0.00005 | 0.00101228 | predicted gene, 17690 |
| ENSMUSG00000085543.1 | Gm13568 | chr2:26445695-26459390 | 572.349 | 1494.51 | 1.3847 | 2.83816 | 0.00005 | 0.00101228 |   |
| ENSMUSG00000086970.1 | Bcas1os1 | chr2:170405180-170407175 | 9.87118 | 25.7467 | 1.38309 | 1.42949 | 0.0027 | 0.0260581 |   |
| ENSMUSG00000107659.1 | Gm44170 | chr6:88503604-88504277 | 4541.51 | 11781.2 | 1.37524 | 3.73055 | 0.00005 | 0.00101228 |   |
| ENSMUSG00000108633.1 | Gm44694 | chr7:75707884-75709182 | 63.8681 | 164.996 | 1.36926 | 2.65364 | 0.00005 | 0.00101228 |   |
| ENSMUSG00000098098.7 | Bvht | chr18:61639541-61647472 | 46.4015 | 115.638 | 1.31738 | 1.62795 | 0.00025 | 0.00397539 | braveheart long non-coding RNA |
| ENSMUSG00000104925.1 | Gm43061 | chr3:103332142-103334383 | 12.5734 | 30.9554 | 1.29982 | 1.88114 | 0.00005 | 0.00101228 |   |
| ENSMUSG00000097364.1 | Gm26719 | chr6:21985907-22067687 | 11.0327 | 26.9129 | 1.2865 | 2.00349 | 0.00005 | 0.00101228 |   |
| ENSMUSG00000109284.1 | B230311B06Rik | chr7:118592327-118596838 | 50.1648 | 122.335 | 1.28609 | 1.57834 | 0.00015 | 0.00260021 | RIKEN cDNA B230311B06 gene |
| ENSMUSG00000085156.7 | Snhg15 | chr11:6525590-6528760 | 89.2144 | 215.911 | 1.27509 | 1.95925 | 0.00005 | 0.00101228 | small nucleolar RNA host gene 15 |
| ENSMUSG00000085425.1 | Gm15648 | chr16:17152629-17153704 | 81.1474 | 194.729 | 1.26285 | 2.2282 | 0.00005 | 0.00101228 |   |
| ENSMUSG00000107355.1 | AI839979 | chr5:31569594-31571397 | 9.91624 | 23.6813 | 1.25588 | 1.20166 | 0.0015 | 0.0168526 | expressed sequence AI839979 |
| ENSMUSG00000097461.1 | Gm26735 | chr13:28943047-28951671 | 157.407 | 373.536 | 1.24675 | 3.16796 | 0.00005 | 0.00101228 |   |
| ENSMUSG00000086773.1 | Gm16192 | chr8:41039755-41042053 | 46.0004 | 107.203 | 1.22062 | 1.95561 | 0.00005 | 0.00101228 |   |
| ENSMUSG00000085501.1 | Gm11772 | chr11:120235233-120236122 | 34.1253 | 79.2754 | 1.21603 | 1.27495 | 0.00555 | 0.0444771 | predicted gene 11772 |
| ENSMUSG00000073155.12 | 1810058I24Rik | chr6:35252653-35263496 | 212.305 | 491.892 | 1.2122 | 2.6938 | 0.00005 | 0.00101228 | RIKEN cDNA 1810058I24 gene |
| ENSMUSG00000097868.1 | A330069E16Rik | chr2:91237145-91238352 | 85.0932 | 194.121 | 1.18984 | 2.15182 | 0.00005 | 0.00101228 | RIKEN cDNA A330069E16 gene |
| ENSMUSG00000109429.1 | Gm45223 | chr7:90132491-90137629 | 15.67 | 35.7209 | 1.18877 | 2.35833 | 0.00005 | 0.00101228 |   |
| ENSMUSG00000085042.7 | Abhd11os | chr5:135012113-135013253 | 97.4022 | 221.812 | 1.18731 | 1.93703 | 0.00005 | 0.00101228 | abhydrolase domain containing 11, opposite strand |
| ENSMUSG00000110282.1 | RP23-187N1.1 | chr7:133116533-133120271 | 15.2817 | 34.5666 | 1.17757 | 2.13749 | 0.00005 | 0.00101228 |   |
| ENSMUSG00000104488.1 | Gm38062 | chr1:80728808-80730664 | 12.4749 | 28.1516 | 1.17419 | 1.56978 | 0.0007 | 0.00920945 |   |
| ENSMUSG00000085009.1 | Gm12977 | chr4:133871829-133876533 | 70.3175 | 158.113 | 1.169 | 1.80841 | 0.00005 | 0.00101228 | predicted gene 12977 |
| ENSMUSG00000098234.7 | Snhg6 | chr1:9941958-9944118 | 937.069 | 2098.67 | 1.16325 | 2.58099 | 0.00005 | 0.00101228 | small nucleolar RNA host gene 6 |
| ENSMUSG00000097378.7 | B230208H11Rik | chr10:12916647-12923100 | 13.5776 | 30.3541 | 1.16066 | 1.15978 | 0.00385 | 0.0342514 | RIKEN cDNA B230208H11 gene |
| ENSMUSG00000085705.1 | Gm16046 | chr17:13675661-13683516 | 101.641 | 227.142 | 1.16011 | 1.37875 | 0.0013 | 0.0150666 | predicted gene 16046 |
| ENSMUSG00000086999.1 | Bcas1os2 | chr2:170356360-170380435 | 62.0963 | 137.826 | 1.15027 | 2.1091 | 0.00005 | 0.00101228 | breast carcinoma amplified sequence 1, opposite strand 2 |
| ENSMUSG00000106961.1 | Gm43128 | chr2:35280389-35282010 | 13.1972 | 28.8842 | 1.13005 | 1.45923 | 0.00095 | 0.0117341 |   |
| ENSMUSG00000102803.1 | Gm37477 | chr9:91380518-91381402 | 19.3246 | 41.9674 | 1.11883 | 1.19354 | 0.00485 | 0.0405993 |   |
| ENSMUSG00000097099.2 | Gm9917 | chr9:107558808-107568415 | 78.5679 | 169.616 | 1.11026 | 2.69017 | 0.00005 | 0.00101228 | predicted gene 9917 |
| ENSMUSG00000108955.1 | Gm44775 | chr8:3458038-3459494 | 16.5304 | 35.3997 | 1.09862 | 1.46 | 0.00065 | 0.00872209 |   |
| ENSMUSG00000085894.1 | Gm15832 | chr1:39547569-39552002 | 528.078 | 1126.31 | 1.09278 | 2.96031 | 0.00005 | 0.00101228 |   |
| ENSMUSG00000100005.7 | B130024G19Rik | chr7:70364909-70489972 | 12.2019 | 25.7199 | 1.07578 | 0.736869 | 0.00515 | 0.0424507 | RIKEN cDNA B130024G19 gene |
| ENSMUSG00000097048.7 | 1600020E01Rik | chr6:86526246-86582466 | 75.0248 | 157.849 | 1.07311 | 1.37846 | 0.0001 | 0.00183591 | RIKEN cDNA 1600020E01 gene |
| ENSMUSG00000100143.1 | C030027H14Rik | chr10:121780967-121782337 | 169.594 | 351.85 | 1.05287 | 1.77678 | 0.00005 | 0.00101228 | RIKEN cDNA C030027H14 gene |
| ENSMUSG00000070392.4 | Gm20634 | chr3:96243549-96248509 | 16.9128 | 34.4613 | 1.02686 | 1.41743 | 0.00055 | 0.0077 |   |
| ENSMUSG00000063714.15 | Sp3os | chr2:72979423-72988677 | 118.269 | 240.58 | 1.02445 | 1.64712 | 0.00005 | 0.00101228 | trans-acting transcription factor 3, opposite strand |
| ENSMUSG00000104200.1 | Gm37399 | chr3:51302487-51302903 | 122.013 | 245.805 | 1.01048 | 1.44378 | 0.0011 | 0.0132229 |   |
| ENSMUSG00000086331.1 | Gm16310 | chr16:92094567-92096490 | 23.2622 | 46.7092 | 1.00572 | 1.22331 | 0.004 | 0.0352366 |   |
| ENSMUSG00000086693.1 | A730081D07Rik | chr13:40956413-41001151 | 42.2108 | 84.4655 | 1.00075 | 1.90421 | 0.00005 | 0.00101228 | RIKEN cDNA A730081D07 gene |
| ENSMUSG00000104693.1 | Gm42941 | chr3:101595809-101597130 | 43.7674 | 21.7685 | -1.00761 | -1.38807 | 0.0012 | 0.0141512 |   |
| ENSMUSG00000097563.1 | Gm26638 | chr6:40118778-40129477 | 90.7006 | 45.055 | -1.00942 | -1.96325 | 0.00005 | 0.00101228 |   |
| ENSMUSG00000109648.1 | RP23-300I4.1 | chr8:29108836-29112776 | 42.4883 | 20.9686 | -1.01883 | -2.0119 | 0.00005 | 0.00101228 |   |
| ENSMUSG00000103620.1 | Gm37359 | chr3:65829115-65872281 | 93.2532 | 45.5187 | -1.03469 | -1.19903 | 0.0055 | 0.0443403 | predicted gene, 37359 |
| ENSMUSG00000109413.1 | Gm45165 | chr8:23696004-23697635 | 27.4971 | 13.3121 | -1.04654 | -1.32001 | 0.0019 | 0.020275 |   |
| ENSMUSG00000104581.1 | Gm42497 | chr5:128239381-128241339 | 30.4851 | 14.7327 | -1.04908 | -1.50598 | 0.0006 | 0.00824286 |   |
| ENSMUSG00000103497.1 | Gm37407 | chr1:128163213-128164529 | 429.207 | 206.963 | -1.0523 | -2.48111 | 0.00005 | 0.00101228 |   |
| ENSMUSG00000087524.1 | Gm14285 | chr2:131561613-131563179 | 346.453 | 164.683 | -1.07297 | -1.58753 | 0.00035 | 0.00522606 | predicted gene 14285 |
| ENSMUSG00000102600.1 | Gm37266 | chr17:51850238-51852525 | 118.538 | 55.8274 | -1.0863 | -2.35278 | 0.00005 | 0.00101228 |   |
| ENSMUSG00000073415.4 | Gm10501 | chr17:34976898-34981788 | 74.5597 | 34.6208 | -1.10676 | -2.09291 | 0.00005 | 0.00101228 | predicted gene 10501 |
| ENSMUSG00000107134.1 | Gm42528 | chr5:39606926-39610344 | 23.5516 | 10.6774 | -1.14126 | -1.80522 | 0.00005 | 0.00101228 |   |
| ENSMUSG00000085315.7 | A430018G15Rik | chr2:52425011-52434885 | 8829.18 | 3996.75 | -1.14345 | -2.48083 | 0.00005 | 0.00101228 | RIKEN cDNA A430018G15 gene |
| ENSMUSG00000084898.1 | Gm12371 | chr4:36952965-36988032 | 42.5032 | 19.0114 | -1.1607 | -1.42408 | 0.00115 | 0.0137016 | predicted gene 12371 |
| ENSMUSG00000085151.7 | 1110018N20Rik | chr2:167188701-167192808 | 50.0198 | 22.146 | -1.17545 | -1.40307 | 0.0005 | 0.00711092 | RIKEN cDNA 1110018N20 gene |
| ENSMUSG00000105265.4 | Sox2ot | chr3:34104269-34682619 | 606.264 | 264.379 | -1.19734 | -2.69273 | 0.00005 | 0.00101228 | SOX2 overlapping transcript (non-protein coding) |
| ENSMUSG00000104586.1 | 4921539H07Rik | chr3:58117052-58167616 | 27.4453 | 11.8171 | -1.21568 | -1.70353 | 0.0001 | 0.00183591 | RIKEN cDNA 4921539H07 gene |
| ENSMUSG00000097515.2 | 1700040D17Rik | chr3:94409394-94412919 | 28.9208 | 12.4161 | -1.2199 | -1.21265 | 0.0055 | 0.0443403 | RIKEN cDNA 1700040D17 gene |
| ENSMUSG00000105389.1 | BB187690 | chr3:57654403-57655579 | 35.5509 | 15.0906 | -1.23623 | -1.4412 | 0.00145 | 0.016382 | expressed sequence BB187690 |
| ENSMUSG00000109874.1 | RP23-300I4.3 | chr8:29084684-29087486 | 71.9949 | 30.5224 | -1.23802 | -2.46477 | 0.00005 | 0.00101228 |   |
| ENSMUSG00000087301.7 | Gm13629 | chr2:66440879-66546026 | 116.612 | 44.5241 | -1.38906 | -2.22736 | 0.00005 | 0.00101228 | predicted gene 13629 |
| ENSMUSG00000098051.1 | Gm27032 | chr2:180894104-180895220 | 95.7038 | 36.2688 | -1.39985 | -2.22894 | 0.00005 | 0.00101228 |   |
| ENSMUSG00000096936.1 | Gm3510 | chr5:15923754-15933406 | 53.2582 | 19.9727 | -1.41497 | -2.03607 | 0.00005 | 0.00101228 | predicted gene 3510 |
| ENSMUSG00000086741.1 | Gm15816 | chr8:23138793-23149585 | 31.4518 | 11.6273 | -1.43563 | -1.81114 | 0.00025 | 0.00397539 | predicted gene 15816 |
| ENSMUSG00000045345.6 | 9530056K15Rik | chr5:143390729-143403748 | 42.3146 | 10.4516 | -2.01743 | -2.34602 | 0.00005 | 0.00101228 | RIKEN cDNA 9530056K15 gene |