

**Table S3 miRNA profiles of A549 cells**

| Gene symbol     | Raw count | Normalized raw count |
|-----------------|-----------|----------------------|
| hsa-miR-22-3p   | 130257    | 1.742974984          |
| hsa-miR-24-3p   | 82593     | 1.10518078           |
| hsa-miR-21-5p   | 3362473   | 44.99340783          |
| hsa-miR-21-3p   | 304775    | 4.078208471          |
| hsa-miR-320a    | 28255     | 0.378081471          |
| hsa-miR-27b-3p  | 657593    | 8.799282562          |
| hsa-miR-1246    | 71        | 0.000950054          |
| hsa-miR-320c    | 2360      | 0.03157927           |
| hsa-miR-92b-3p  | 8891      | 0.118970885          |
| hsa-miR-92a-3p  | 104693    | 1.400901909          |
| hsa-miR-192-5p  | 23047     | 0.30839298           |
| hsa-miR-486-5p  | 9308      | 0.124550782          |
| hsa-miR-100-5p  | 149123    | 1.995421809          |
| hsa-miR-423-5p  | 1600      | 0.021409675          |
| hsa-miR-378a-3p | 17092     | 0.228708848          |
| hsa-miR-1307-5p | 11274     | 0.150857919          |
| hsa-miR-320d    | 251       | 0.003358643          |
| hsa-miR-27a-3p  | 31673     | 0.423817888          |
| hsa-miR-423-3p  | 6286      | 0.084113259          |
| hsa-let-7i-5p   | 597998    | 8.001839091          |
| hsa-miR-29a-3p  | 16503     | 0.220827412          |
| hsa-miR-10a-5p  | 113351    | 1.516755011          |
| hsa-miR-99b-5p  | 42461     | 0.568172619          |
| hsa-miR-30a-5p  | 338827    | 4.533859869          |
| hsa-miR-191-5p  | 36933     | 0.494202193          |
| hsa-miR-345-5p  | 2844      | 0.038055696          |
| hsa-miR-140-3p  | 5958      | 0.079724276          |
| hsa-miR-130a-3p | 4197      | 0.056160252          |
| hsa-miR-16-5p   | 84560     | 1.131501299          |
| hsa-miR-193b-3p | 1187      | 0.015883302          |
| hsa-miR-146a-5p | 1703      | 0.022787922          |
| hsa-let-7a-5p   | 140057    | 1.87410924           |
| hsa-let-7f-5p   | 129324    | 1.730490468          |
| hsa-miR-138-5p  | 2413      | 0.032288465          |
| hsa-miR-182-5p  | 46262     | 0.619033977          |
| hsa-miR-4516    | 4         | 5.35242E-05          |
| hsa-miR-25-3p   | 21573     | 0.288669318          |
| hsa-miR-28-3p   | 10018     | 0.134051325          |
| hsa-miR-589-5p  | 888       | 0.011882369          |
| hsa-miR-183-5p  | 18045     | 0.241460985          |
| hsa-let-7b-5p   | 73725     | 0.986517659          |
| hsa-miR-221-3p  | 34157     | 0.457056408          |
| hsa-miR-484     | 1321      | 0.017676363          |
| hsa-miR-30d-5p  | 52278     | 0.699534353          |
| hsa-miR-222-3p  | 22064     | 0.295239412          |
| hsa-miR-130b-3p | 1682      | 0.02250692           |

|                  |        |             |
|------------------|--------|-------------|
| hsa-miR-138-1-3p | 187    | 0.002502256 |
| hsa-miR-31-5p    | 105137 | 1.406843094 |
| hsa-miR-26a-5p   | 72136  | 0.965255176 |
| hsa-miR-3615     | 540    | 0.007225765 |
| hsa-miR-629-5p   | 643    | 0.008604013 |
| hsa-miR-23a-3p   | 1535   | 0.020539906 |
| hsa-miR-128      | 845    | 0.011306984 |
| hsa-miR-181a-5p  | 34322  | 0.459264281 |
| hsa-miR-744-5p   | 1735   | 0.023216116 |
| hsa-miR-339-3p   | 839    | 0.011226698 |
| hsa-miR-501-3p   | 604    | 0.008082152 |
| hsa-miR-19b-3p   | 25569  | 0.34213998  |
| hsa-miR-30e-5p   | 31494  | 0.421422681 |
| hsa-let-7g-5p    | 35185  | 0.470812124 |
| hsa-miR-151a-3p  | 23427  | 0.313477778 |
| hsa-miR-224-5p   | 1140   | 0.015254393 |
| hsa-miR-151a-5p  | 13251  | 0.177312248 |
| hsa-miR-186-5p   | 7927   | 0.106071556 |
| hsa-miR-106b-5p  | 4548   | 0.060857    |
| hsa-miR-26b-5p   | 35124  | 0.46999588  |
| hsa-miR-151b     | 241    | 0.003224832 |
| hsa-miR-93-5p    | 22635  | 0.302879989 |
| hsa-miR-152      | 5211   | 0.069728634 |
| hsa-miR-323a-3p  | 62     | 0.000829625 |
| hsa-miR-425-5p   | 2738   | 0.036637306 |
| hsa-miR-200a-3p  | 5075   | 0.067908811 |
| hsa-miR-15a-5p   | 2030   | 0.027163525 |
| hsa-miR-1910     | 48     | 0.00064229  |
| hsa-miR-4306     | 146    | 0.001953633 |
| hsa-miR-502-3p   | 182    | 0.00243535  |
| hsa-miR-1307-3p  | 4132   | 0.055290484 |
| hsa-miR-30a-3p   | 5443   | 0.072833037 |
| hsa-miR-181b-5p  | 8615   | 0.115277716 |
| hsa-miR-4488     | 0      | 0           |
| hsa-miR-17-5p    | 22519  | 0.301327788 |
| hsa-miR-103a-3p  | 20203  | 0.270337284 |
| hsa-miR-4466     | 26     | 0.000347907 |
| hsa-miR-877-5p   | 34     | 0.000454956 |
| hsa-miR-342-3p   | 378    | 0.005058036 |
| hsa-miR-3176     | 292    | 0.003907266 |
| hsa-miR-210      | 973    | 0.013019758 |
| hsa-miR-320b     | 153    | 0.0020473   |
| hsa-let-7a-3p    | 2402   | 0.032141274 |
| hsa-miR-301a-3p  | 2532   | 0.03388081  |
| hsa-miR-29c-3p   | 803    | 0.01074498  |
| hsa-miR-671-3p   | 302    | 0.004041076 |
| hsa-miR-125a-3p  | 569    | 0.007613816 |
| hsa-miR-148b-3p  | 3802   | 0.050874739 |

|                 |       |             |
|-----------------|-------|-------------|
| hsa-let-7e-5p   | 10289 | 0.137677588 |
| hsa-miR-134     | 56    | 0.000749339 |
| hsa-miR-4508    | 0     | 0           |
| hsa-miR-132-3p  | 2896  | 0.038751511 |
| hsa-miR-654-3p  | 63    | 0.000843006 |
| hsa-miR-10a-3p  | 191   | 0.00255578  |
| hsa-miR-1247-5p | 29    | 0.00038805  |
| hsa-miR-126-5p  | 3388  | 0.045334986 |
| hsa-miR-101-3p  | 4225  | 0.056534922 |
| hsa-miR-369-3p  | 74    | 0.000990197 |
| hsa-miR-27b-5p  | 10623 | 0.142146858 |
| hsa-miR-33b-5p  | 2059  | 0.027551575 |
| hsa-miR-486-3p  | 172   | 0.00230154  |
| hsa-miR-3187-3p | 42    | 0.000562004 |
| hsa-miR-3677-3p | 131   | 0.001752917 |
| hsa-miR-500a-3p | 402   | 0.005379181 |
| hsa-miR-20a-5p  | 11618 | 0.155460999 |
| hsa-miR-3180    | 19    | 0.00025424  |
| hsa-miR-361-5p  | 328   | 0.004388983 |
| hsa-miR-19a-3p  | 4959  | 0.06635661  |
| hsa-miR-323b-3p | 13    | 0.000173954 |
| hsa-miR-335-5p  | 657   | 0.008791348 |
| hsa-miR-424-3p  | 1523  | 0.020379334 |
| hsa-miR-381-3p  | 460   | 0.006155281 |
| hsa-miR-410     | 88    | 0.001177532 |
| hsa-miR-122-5p  | 1     | 1.3381E-05  |
| hsa-miR-143-3p  | 31    | 0.000414812 |
| hsa-let-7d-5p   | 4606  | 0.061633101 |
| hsa-miR-7-5p    | 5905  | 0.07901508  |
| hsa-miR-4497    | 6     | 8.02863E-05 |
| hsa-miR-30c-5p  | 25542 | 0.341778692 |
| hsa-miR-1268a   | 1413  | 0.018907419 |
| hsa-miR-98-5p   | 9389  | 0.125634646 |
| hsa-let-7d-3p   | 665   | 0.008898396 |
| hsa-miR-450b-5p | 297   | 0.003974171 |
| hsa-miR-1287    | 142   | 0.001900109 |
| hsa-miR-452-5p  | 530   | 0.007091955 |
| hsa-miR-941     | 1683  | 0.022520301 |
| hsa-miR-99b-3p  | 489   | 0.006543332 |
| hsa-miR-185-5p  | 1077  | 0.014411387 |
| hsa-miR-200b-3p | 5472  | 0.073221087 |
| hsa-miR-212-3p  | 71    | 0.000950054 |
| hsa-miR-1180    | 759   | 0.010156214 |
| hsa-miR-23b-3p  | 3817  | 0.051075455 |
| hsa-miR-92b-5p  | 202   | 0.002702971 |
| hsa-miR-3195    | 13    | 0.000173954 |
| hsa-miR-30b-5p  | 3982  | 0.053283327 |
| hsa-miR-769-5p  | 3173  | 0.042458061 |

|                   |      |             |
|-------------------|------|-------------|
| hsa-miR-378d      | 53   | 0.000709195 |
| hsa-miR-22-5p     | 61   | 0.000816244 |
| hsa-miR-197-3p    | 130  | 0.001739536 |
| hsa-miR-760       | 35   | 0.000468337 |
| hsa-miR-34a-5p    | 4747 | 0.063519828 |
| hsa-miR-127-3p    | 995  | 0.013314141 |
| hsa-miR-125a-5p   | 6363 | 0.085143599 |
| hsa-miR-196a-5p   | 3837 | 0.051343076 |
| hsa-miR-125b-5p   | 3453 | 0.046204754 |
| hsa-miR-454-3p    | 3425 | 0.045830085 |
| hsa-miR-181c-5p   | 3425 | 0.045830085 |
| hsa-miR-29b-3p    | 2626 | 0.035138628 |
| hsa-miR-196b-5p   | 2446 | 0.03273004  |
| hsa-let-7c        | 2325 | 0.031110933 |
| hsa-miR-9-5p      | 2313 | 0.030950361 |
| hsa-miR-374a-5p   | 2245 | 0.03004045  |
| hsa-miR-221-5p    | 2186 | 0.029250968 |
| hsa-miR-181a-3p   | 2111 | 0.028247389 |
| hsa-miR-374a-3p   | 2099 | 0.028086817 |
| hsa-miR-4286      | 2096 | 0.028046674 |
| hsa-miR-27a-5p    | 1948 | 0.026066279 |
| hsa-miR-582-3p    | 1920 | 0.025691609 |
| hsa-miR-340-5p    | 1807 | 0.024179551 |
| hsa-miR-146b-5p   | 1795 | 0.024018979 |
| hsa-miR-28-5p     | 1767 | 0.023644309 |
| hsa-miR-374b-5p   | 1661 | 0.022225918 |
| hsa-miR-92a-1-5p  | 1600 | 0.021409675 |
| hsa-miR-107       | 1538 | 0.02058005  |
| hsa-miR-181a-2-3p | 1457 | 0.019496185 |
| hsa-miR-532-5p    | 1441 | 0.019282088 |
| hsa-miR-106b-3p   | 1384 | 0.018519368 |
| hsa-miR-181d      | 1374 | 0.018385558 |
| hsa-miR-335-3p    | 1338 | 0.01790384  |
| hsa-miR-1275      | 1253 | 0.016766451 |
| hsa-miR-100-3p    | 1211 | 0.016204447 |
| hsa-miR-582-5p    | 1210 | 0.016191066 |
| hsa-miR-660-5p    | 1194 | 0.01597697  |
| hsa-let-7f-2-3p   | 1147 | 0.01534806  |
| hsa-miR-361-3p    | 1130 | 0.015120583 |
| hsa-miR-125b-1-3p | 1122 | 0.015013534 |
| hsa-miR-30e-3p    | 1022 | 0.01367543  |
| hsa-miR-30c-2-3p  | 1015 | 0.013581762 |
| hsa-miR-421       | 942  | 0.012604946 |
| hsa-miR-17-3p     | 929  | 0.012430992 |
| hsa-miR-18a-5p    | 917  | 0.01227042  |
| hsa-miR-15b-3p    | 817  | 0.010932315 |
| hsa-miR-194-5p    | 780  | 0.010437216 |
| hsa-miR-140-5p    | 712  | 0.009527305 |

|                  |     |             |
|------------------|-----|-------------|
| hsa-miR-429      | 710 | 0.009500543 |
| hsa-miR-324-5p   | 694 | 0.009286446 |
| hsa-miR-96-5p    | 683 | 0.009139255 |
| hsa-miR-671-5p   | 612 | 0.008189201 |
| hsa-let-7i-3p    | 605 | 0.008095533 |
| hsa-miR-15b-5p   | 591 | 0.007908199 |
| hsa-miR-339-5p   | 538 | 0.007199003 |
| hsa-miR-424-5p   | 537 | 0.007185622 |
| hsa-miR-561-5p   | 520 | 0.006958144 |
| hsa-miR-1299     | 487 | 0.00651657  |
| hsa-miR-590-3p   | 480 | 0.006422902 |
| hsa-miR-34c-5p   | 467 | 0.006248949 |
| hsa-miR-25-5p    | 462 | 0.006182044 |
| hsa-miR-548k     | 453 | 0.006061614 |
| hsa-miR-455-5p   | 452 | 0.006048233 |
| hsa-miR-218-5p   | 426 | 0.005700326 |
| hsa-miR-542-3p   | 378 | 0.005058036 |
| hsa-miR-126-3p   | 377 | 0.005044655 |
| hsa-miR-99a-5p   | 376 | 0.005031274 |
| hsa-miR-330-5p   | 351 | 0.004696747 |
| hsa-miR-30d-3p   | 351 | 0.004696747 |
| hsa-miR-625-5p   | 343 | 0.004589699 |
| hsa-miR-331-3p   | 315 | 0.00421503  |
| hsa-miR-503-5p   | 295 | 0.003947409 |
| hsa-miR-2467-5p  | 294 | 0.003934028 |
| hsa-miR-1260b    | 294 | 0.003934028 |
| hsa-miR-454-5p   | 254 | 0.003398786 |
| hsa-miR-32-3p    | 254 | 0.003398786 |
| hsa-miR-16-2-3p  | 243 | 0.003251594 |
| hsa-miR-130b-5p  | 236 | 0.003157927 |
| hsa-miR-200a-5p  | 230 | 0.003077641 |
| hsa-miR-301b     | 223 | 0.002983973 |
| hsa-miR-33a-5p   | 217 | 0.002903687 |
| hsa-miR-141-3p   | 211 | 0.002823401 |
| hsa-miR-452l     | 211 | 0.002823401 |
| hsa-miR-550a-3p  | 207 | 0.002769877 |
| hsa-miR-652-3p   | 207 | 0.002769877 |
| hsa-miR-31-3p    | 207 | 0.002769877 |
| hsa-miR-147b     | 202 | 0.002702971 |
| hsa-miR-195-5p   | 195 | 0.002609304 |
| hsa-miR-548ay-5p | 194 | 0.002595923 |
| hsa-miR-374b-3p  | 192 | 0.002569161 |
| hsa-miR-769-3p   | 190 | 0.002542399 |
| hsa-miR-365a-3p  | 188 | 0.002515637 |
| hsa-miR-32-5p    | 182 | 0.00243535  |
| hsa-miR-450a-5p  | 173 | 0.002314921 |
| hsa-miR-193a-3p  | 170 | 0.002274778 |
| hsa-miR-148a-3p  | 169 | 0.002261397 |

|                   |     |             |
|-------------------|-----|-------------|
| hsa-miR-1285-3p   | 166 | 0.002221254 |
| hsa-miR-641       | 165 | 0.002207873 |
| hsa-miR-33b-3p    | 165 | 0.002207873 |
| hsa-miR-4677-3p   | 162 | 0.00216773  |
| hsa-miR-1908      | 150 | 0.002007157 |
| hsa-miR-379-5p    | 149 | 0.001993776 |
| hsa-miR-409-3p    | 148 | 0.001980395 |
| hsa-miR-1296      | 148 | 0.001980395 |
| hsa-miR-493-5p    | 132 | 0.001766298 |
| hsa-miR-550a-5p   | 130 | 0.001739536 |
| hsa-miR-132-5p    | 130 | 0.001739536 |
| hsa-let-7b-3p     | 127 | 0.001699393 |
| hsa-miR-193b-5p   | 126 | 0.001686012 |
| hsa-miR-18a-3p    | 123 | 0.001645869 |
| hsa-miR-222-5p    | 120 | 0.001605726 |
| hsa-miR-7-1-3p    | 117 | 0.001565582 |
| hsa-miR-30b-3p    | 116 | 0.001552201 |
| hsa-miR-3158-3p   | 115 | 0.00153882  |
| hsa-miR-193a-5p   | 112 | 0.001498677 |
| hsa-miR-576-3p    | 102 | 0.001364867 |
| hsa-let-7f-1-3p   | 100 | 0.001338105 |
| hsa-miR-628-5p    | 100 | 0.001338105 |
| hsa-let-7e-3p     | 98  | 0.001311343 |
| hsa-miR-4326      | 96  | 0.00128458  |
| hsa-miR-149-5p    | 93  | 0.001244437 |
| hsa-miR-29b-1-5p  | 93  | 0.001244437 |
| hsa-miR-455-3p    | 92  | 0.001231056 |
| hsa-miR-148b-5p   | 91  | 0.001217675 |
| hsa-miR-190a      | 86  | 0.00115077  |
| hsa-miR-200b-5p   | 81  | 0.001083865 |
| hsa-let-7g-3p     | 81  | 0.001083865 |
| hsa-miR-378a-5p   | 81  | 0.001083865 |
| hsa-miR-4500      | 79  | 0.001057103 |
| hsa-miR-324-3p    | 77  | 0.001030341 |
| hsa-miR-9-3p      | 76  | 0.00101696  |
| hsa-miR-29a-5p    | 75  | 0.001003578 |
| hsa-miR-1294      | 75  | 0.001003578 |
| hsa-miR-2277-5p   | 73  | 0.000976816 |
| hsa-miR-95        | 72  | 0.000963435 |
| hsa-miR-375       | 70  | 0.000936673 |
| hsa-miR-136-3p    | 68  | 0.000909911 |
| hsa-miR-328       | 67  | 0.00089653  |
| hsa-miR-550a-3-5p | 67  | 0.00089653  |
| hsa-miR-93-3p     | 65  | 0.000869768 |
| hsa-miR-411-5p    | 65  | 0.000869768 |
| hsa-miR-340-3p    | 64  | 0.000856387 |
| hsa-miR-4775      | 63  | 0.000843006 |
| hsa-miR-3182      | 62  | 0.000829625 |

|                  |    |             |
|------------------|----|-------------|
| hsa-miR-889      | 62 | 0.000829625 |
| hsa-miR-1268b    | 62 | 0.000829625 |
| hsa-miR-542-5p   | 60 | 0.000802863 |
| hsa-miR-2355-5p  | 59 | 0.000789482 |
| hsa-miR-10b-5p   | 57 | 0.00076272  |
| hsa-miR-3934-5p  | 57 | 0.00076272  |
| hsa-miR-200c-3p  | 56 | 0.000749339 |
| hsa-miR-30c-1-3p | 55 | 0.000735958 |
| hsa-miR-574-3p   | 54 | 0.000722577 |
| hsa-miR-365a-5p  | 54 | 0.000722577 |
| hsa-miR-585      | 54 | 0.000722577 |
| hsa-miR-331-5p   | 53 | 0.000709195 |
| hsa-miR-497-5p   | 53 | 0.000709195 |
| hsa-miR-98-3p    | 50 | 0.000669052 |
| hsa-miR-137      | 50 | 0.000669052 |
| hsa-miR-362-3p   | 49 | 0.000655671 |
| hsa-miR-4671-3p  | 49 | 0.000655671 |
| hsa-miR-330-3p   | 47 | 0.000628909 |
| hsa-miR-1269b    | 46 | 0.000615528 |
| hsa-miR-181b-3p  | 45 | 0.000602147 |
| hsa-miR-940      | 44 | 0.000588766 |
| hsa-miR-548l     | 44 | 0.000588766 |
| hsa-miR-1303     | 43 | 0.000575385 |
| hsa-miR-185-3p   | 43 | 0.000575385 |
| hsa-miR-129-5p   | 41 | 0.000548623 |
| hsa-miR-589-3p   | 40 | 0.000535242 |
| hsa-miR-873-5p   | 39 | 0.000521861 |
| hsa-miR-616-5p   | 39 | 0.000521861 |
| hsa-miR-26b-3p   | 39 | 0.000521861 |
| hsa-miR-194-3p   | 39 | 0.000521861 |
| hsa-miR-382-5p   | 38 | 0.00050848  |
| hsa-miR-548e     | 38 | 0.00050848  |
| hsa-miR-625-3p   | 37 | 0.000495099 |
| hsa-miR-188-5p   | 37 | 0.000495099 |
| hsa-miR-4746-5p  | 37 | 0.000495099 |
| hsa-miR-548o-3p  | 37 | 0.000495099 |
| hsa-miR-493-3p   | 35 | 0.000468337 |
| hsa-miR-370      | 34 | 0.000454956 |
| hsa-miR-99a-3p   | 33 | 0.000441575 |
| hsa-miR-505-3p   | 32 | 0.000428193 |
| hsa-miR-299-3p   | 32 | 0.000428193 |
| hsa-miR-1305     | 31 | 0.000414812 |
| hsa-miR-142-5p   | 31 | 0.000414812 |
| hsa-miR-874      | 30 | 0.000401431 |
| hsa-miR-1297     | 30 | 0.000401431 |
| hsa-miR-1468     | 28 | 0.000374669 |
| hsa-miR-432-5p   | 27 | 0.000361288 |
| hsa-miR-24-2-5p  | 27 | 0.000361288 |

|                  |    |             |
|------------------|----|-------------|
| hsa-miR-449a     | 27 | 0.000361288 |
| hsa-miR-20a-3p   | 27 | 0.000361288 |
| hsa-miR-378b     | 26 | 0.000347907 |
| hsa-miR-2110     | 26 | 0.000347907 |
| hsa-miR-378f     | 26 | 0.000347907 |
| hsa-miR-219-5p   | 26 | 0.000347907 |
| hsa-miR-16-1-3p  | 26 | 0.000347907 |
| hsa-miR-876-5p   | 25 | 0.000334526 |
| hsa-miR-937-3p   | 25 | 0.000334526 |
| hsa-miR-548n     | 25 | 0.000334526 |
| hsa-miR-376c-3p  | 24 | 0.000321145 |
| hsa-miR-3909     | 24 | 0.000321145 |
| hsa-miR-576-5p   | 24 | 0.000321145 |
| hsa-miR-573      | 24 | 0.000321145 |
| hsa-miR-548au-5p | 24 | 0.000321145 |
| hsa-miR-190b     | 24 | 0.000321145 |
| hsa-miR-342-5p   | 24 | 0.000321145 |
| hsa-miR-362-5p   | 24 | 0.000321145 |
| hsa-miR-642a-5p  | 24 | 0.000321145 |
| hsa-miR-487b     | 23 | 0.000307764 |
| hsa-miR-584-5p   | 23 | 0.000307764 |
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| hsa-miR-1227-3p  | 1 | 1.3381E-05  |
| hsa-miR-34b-5p   | 1 | 1.3381E-05  |
| hsa-miR-517a-3p  | 1 | 1.3381E-05  |
| hsa-miR-3680-5p  | 1 | 1.3381E-05  |
| hsa-miR-4474-3p  | 1 | 1.3381E-05  |
| hsa-miR-3691-5p  | 1 | 1.3381E-05  |
| hsa-miR-4727-3p  | 1 | 1.3381E-05  |

|                   |   |            |
|-------------------|---|------------|
| hsa-miR-3146      | 1 | 1.3381E-05 |
| hsa-miR-3605-3p   | 1 | 1.3381E-05 |
| hsa-miR-4797-3p   | 1 | 1.3381E-05 |
| hsa-miR-548a-5p   | 1 | 1.3381E-05 |
| hsa-miR-5587-3p   | 1 | 1.3381E-05 |
| hsa-miR-4669      | 1 | 1.3381E-05 |
| hsa-miR-3620-3p   | 1 | 1.3381E-05 |
| hsa-miR-3917      | 1 | 1.3381E-05 |
| hsa-miR-4793-3p   | 1 | 1.3381E-05 |
| hsa-miR-4765      | 1 | 1.3381E-05 |
| hsa-miR-3190-3p   | 1 | 1.3381E-05 |
| hsa-miR-186-3p    | 1 | 1.3381E-05 |
| hsa-miR-6505-5p   | 1 | 1.3381E-05 |
| hsa-miR-3934-3p   | 1 | 1.3381E-05 |
| hsa-miR-3677-5p   | 1 | 1.3381E-05 |
| hsa-miR-4751      | 1 | 1.3381E-05 |
| hsa-miR-675-5p    | 1 | 1.3381E-05 |
| hsa-miR-624-5p    | 1 | 1.3381E-05 |
| hsa-miR-3145-5p   | 1 | 1.3381E-05 |
| hsa-miR-6513-5p   | 1 | 1.3381E-05 |
| hsa-miR-337-3p    | 1 | 1.3381E-05 |
| hsa-miR-598       | 1 | 1.3381E-05 |
| hsa-miR-3153      | 1 | 1.3381E-05 |
| hsa-miR-329       | 1 | 1.3381E-05 |
| hsa-miR-4483      | 1 | 1.3381E-05 |
| hsa-miR-4706      | 1 | 1.3381E-05 |
| hsa-miR-3148      | 1 | 1.3381E-05 |
| hsa-miR-4762-3p   | 1 | 1.3381E-05 |
| hsa-miR-4457      | 1 | 1.3381E-05 |
| hsa-miR-3145-3p   | 1 | 1.3381E-05 |
| hsa-miR-1273c     | 1 | 1.3381E-05 |
| hsa-miR-4784      | 1 | 1.3381E-05 |
| hsa-miR-548f      | 1 | 1.3381E-05 |
| hsa-miR-149-3p    | 1 | 1.3381E-05 |
| hsa-miR-124-3p    | 1 | 1.3381E-05 |
| hsa-miR-4519      | 1 | 1.3381E-05 |
| hsa-miR-579       | 1 | 1.3381E-05 |
| hsa-miR-1185-5p   | 1 | 1.3381E-05 |
| hsa-miR-1273d     | 1 | 1.3381E-05 |
| hsa-miR-4999-5p   | 1 | 1.3381E-05 |
| hsa-miR-1233-1-5p | 1 | 1.3381E-05 |
| hsa-miR-3157-5p   | 1 | 1.3381E-05 |
| hsa-miR-135b-5p   | 1 | 1.3381E-05 |
| hsa-miR-512-3p    | 1 | 1.3381E-05 |
| hsa-miR-3187-5p   | 1 | 1.3381E-05 |
| hsa-miR-224-3p    | 1 | 1.3381E-05 |
| hsa-miR-6508-3p   | 1 | 1.3381E-05 |
| hsa-miR-4642      | 1 | 1.3381E-05 |



|                   |   |            |
|-------------------|---|------------|
| hsa-miR-4781-3p   | 1 | 1.3381E-05 |
| hsa-miR-5687      | 1 | 1.3381E-05 |
| hsa-miR-1257      | 1 | 1.3381E-05 |
| hsa-miR-548q      | 1 | 1.3381E-05 |
| hsa-miR-548ap-3p  | 1 | 1.3381E-05 |
| hsa-miR-4742-5p   | 1 | 1.3381E-05 |
| hsa-miR-3192      | 1 | 1.3381E-05 |
| hsa-miR-1256      | 1 | 1.3381E-05 |
| hsa-miR-708-5p    | 1 | 1.3381E-05 |
| hsa-miR-2467-3p   | 1 | 1.3381E-05 |
| hsa-miR-3914      | 1 | 1.3381E-05 |
| hsa-miR-548ax     | 1 | 1.3381E-05 |
| hsa-miR-4442      | 1 | 1.3381E-05 |
| hsa-miR-2964a-5p  | 1 | 1.3381E-05 |
| hsa-miR-548c-3p   | 1 | 1.3381E-05 |
| hsa-miR-5583-3p   | 1 | 1.3381E-05 |
| hsa-miR-3188      | 1 | 1.3381E-05 |
| hsa-miR-3136-5p   | 1 | 1.3381E-05 |
| hsa-miR-5689      | 1 | 1.3381E-05 |
| hsa-miR-4783-3p   | 1 | 1.3381E-05 |
| hsa-miR-376a-5p   | 1 | 1.3381E-05 |
| hsa-miR-3120-5p   | 1 | 1.3381E-05 |
| hsa-miR-1537      | 1 | 1.3381E-05 |
| hsa-miR-548aq-3p  | 1 | 1.3381E-05 |
| hsa-miR-4738-3p   | 1 | 1.3381E-05 |
| hsa-miR-4787-3p   | 1 | 1.3381E-05 |
| hsa-miR-544a      | 1 | 1.3381E-05 |
| hsa-miR-548ac     | 1 | 1.3381E-05 |
| hsa-miR-1226-5p   | 1 | 1.3381E-05 |
| hsa-miR-216a-5p   | 1 | 1.3381E-05 |
| hsa-miR-346       | 1 | 1.3381E-05 |
| hsa-miR-4786-5p   | 1 | 1.3381E-05 |
| hsa-miR-1185-1-3p | 1 | 1.3381E-05 |
| hsa-miR-5090      | 1 | 1.3381E-05 |
| hsa-miR-4687-5p   | 1 | 1.3381E-05 |
| hsa-miR-451a      | 0 | 0          |
| hsa-miR-1225-5p   | 0 | 0          |
| hsa-miR-3663-3p   | 0 | 0          |
| hsa-miR-888-5p    | 0 | 0          |
| hsa-miR-1290      | 0 | 0          |
| hsa-miR-4664-5p   | 0 | 0          |
| hsa-miR-4449      | 0 | 0          |
| hsa-miR-144-3p    | 0 | 0          |
| hsa-miR-496       | 0 | 0          |
| hsa-miR-3679-5p   | 0 | 0          |
| hsa-miR-4687-3p   | 0 | 0          |
| hsa-miR-320e      | 0 | 0          |
| hsa-miR-3131      | 0 | 0          |

|                   |   |   |
|-------------------|---|---|
| hsa-miR-4634      | 0 | 0 |
| hsa-miR-371a-5p   | 0 | 0 |
| hsa-miR-337-5p    | 0 | 0 |
| hsa-miR-3122      | 0 | 0 |
| hsa-miR-3173-3p   | 0 | 0 |
| hsa-miR-483-5p    | 0 | 0 |
| hsa-miR-431-3p    | 0 | 0 |
| hsa-miR-3648      | 0 | 0 |
| hsa-miR-223-3p    | 0 | 0 |
| hsa-miR-204-3p    | 0 | 0 |
| hsa-miR-1291      | 0 | 0 |
| hsa-miR-1292-3p   | 0 | 0 |
| hsa-miR-1228-5p   | 0 | 0 |
| hsa-miR-3663-5p   | 0 | 0 |
| hsa-miR-323a-5p   | 0 | 0 |
| hsa-miR-6515-5p   | 0 | 0 |
| hsa-miR-3180-3p   | 0 | 0 |
| hsa-miR-4739      | 0 | 0 |
| hsa-miR-1185-2-3p | 0 | 0 |
| hsa-miR-4721      | 0 | 0 |
| hsa-miR-378i      | 0 | 0 |
| hsa-miR-541-3p    | 0 | 0 |
| hsa-miR-4659a-5p  | 0 | 0 |
| hsa-miR-4700-3p   | 0 | 0 |
| hsa-miR-4755-3p   | 0 | 0 |
| hsa-miR-3165      | 0 | 0 |
| hsa-miR-1236-5p   | 0 | 0 |
| hsa-miR-214-3p    | 0 | 0 |
| hsa-miR-6087      | 0 | 0 |
| hsa-miR-155-5p    | 0 | 0 |
| hsa-miR-4743-3p   | 0 | 0 |
| hsa-miR-509-3-5p  | 0 | 0 |
| hsa-miR-4674      | 0 | 0 |
| hsa-miR-3200-5p   | 0 | 0 |
| hsa-miR-541-5p    | 0 | 0 |
| hsa-miR-663a      | 0 | 0 |
| hsa-miR-483-3p    | 0 | 0 |
| hsa-miR-1289      | 0 | 0 |
| hsa-miR-4638-5p   | 0 | 0 |
| hsa-miR-4525      | 0 | 0 |
| hsa-miR-5001-5p   | 0 | 0 |
| hsa-miR-4710      | 0 | 0 |
| hsa-miR-3925-5p   | 0 | 0 |
| hsa-miR-1273f     | 0 | 0 |
| hsa-miR-1295a     | 0 | 0 |
| hsa-miR-3685      | 0 | 0 |
| hsa-miR-549a      | 0 | 0 |
| hsa-miR-5006-5p   | 0 | 0 |

|                 |   |   |
|-----------------|---|---|
| hsa-miR-3135a   | 0 | 0 |
| hsa-miR-1       | 0 | 0 |
| hsa-miR-4757-3p | 0 | 0 |
| hsa-miR-3655    | 0 | 0 |
| hsa-miR-4753-5p | 0 | 0 |
| hsa-miR-3162-5p | 0 | 0 |
| hsa-miR-4646-5p | 0 | 0 |
| hsa-miR-4734    | 0 | 0 |
| hsa-miR-516b-5p | 0 | 0 |
| hsa-miR-383     | 0 | 0 |
| hsa-miR-4670-3p | 0 | 0 |
| hsa-miR-150-5p  | 0 | 0 |
| hsa-miR-1227-5p | 0 | 0 |
| hsa-miR-3133    | 0 | 0 |
| hsa-miR-199b-5p | 0 | 0 |
| hsa-miR-3929    | 0 | 0 |
| hsa-miR-4745-5p | 0 | 0 |
| hsa-miR-4700-5p | 0 | 0 |
| hsa-miR-505-5p  | 0 | 0 |
| hsa-miR-4725-5p | 0 | 0 |
| hsa-miR-187-3p  | 0 | 0 |
| hsa-miR-4770    | 0 | 0 |
| hsa-miR-632     | 0 | 0 |
| hsa-miR-4507    | 0 | 0 |
| hsa-miR-1244    | 0 | 0 |
| hsa-miR-933     | 0 | 0 |
| hsa-miR-1298    | 0 | 0 |
| hsa-miR-211-5p  | 0 | 0 |
| hsa-miR-4695-5p | 0 | 0 |
| hsa-miR-296-3p  | 0 | 0 |
| hsa-miR-145-5p  | 0 | 0 |
| hsa-miR-1285-5p | 0 | 0 |
| hsa-miR-3919    | 0 | 0 |

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