**Supplementary Table 1.** Differential expression at the total miRNA level for SARS-CoV-2–infected patients versus uninfected healthy individuals.

|  |  |  |  |
| --- | --- | --- | --- |
| **miRNA** | **Base meana** | **Fold Changeb** | **p adjustedc** |
| hsa-miR-122-5p | 1313.30 | 95.01 | 2.51E-32 |
| hsa-let-7b-5p | 12193.88 | 14.82 | 6.46E-32 |
| hsa-miR-146a-5p | 16302.81 | 11.79 | 5.50E-26 |
| hsa-miR-342-3p | 1399.90 | -10.85 | 9.50E-26 |
| hsa-miR-146b-5p | 1994.97 | 21.11 | 1.83E-25 |
| hsa-miR-629-5p | 82.34 | 153.28 | 3.76E-25 |
| hsa-miR-24-3p | 567.24 | 11.71 | 1.11E-24 |
| hsa-miR-12136 | 429.31 | 48.84 | 4.14E-23 |
| hsa-let-7a-5p | 29587.51 | 10.93 | 4.65E-22 |
| hsa-miR-191-5p | 303583.51 | -4.75 | 2.21E-21 |
| hsa-let-7c-5p | 387.92 | 10.27 | 2.45E-20 |
| hsa-miR-1260b | 309.64 | 6.50 | 2.68E-19 |
| hsa-let-7e-5p | 3253.50 | 10.41 | 1.73E-17 |
| hsa-miR-23a-5p | 51.87 | 120.26 | 4.53E-17 |
| hsa-miR-223-5p | 344.40 | 4.35 | 4.40E-15 |
| hsa-miR-6804-5p | 23.44 | 304.44 | 1.33E-14 |
| hsa-miR-574-5p | 158.46 | 20.11 | 1.73E-14 |
| hsa-miR-98-5p | 2116.63 | 6.77 | 7.70E-14 |
| hsa-miR-6837-3p | 90.14 | -5.74 | 7.98E-14 |
| hsa-miR-1908-3p | 139.86 | 22.32 | 1.02E-13 |
| hsa-let-7g-5p | 5961.40 | 5.10 | 2.03E-13 |
| hsa-miR-30b-5p | 2098.68 | -5.54 | 2.66E-13 |
| hsa-miR-589-5p | 593.33 | 3.36 | 1.37E-12 |
| hsa-miR-150-5p | 3699.99 | -7.31 | 3.39E-12 |
| hsa-miR-328-3p | 976.41 | 4.96 | 3.70E-12 |
| hsa-miR-26b-3p | 728.45 | -4.23 | 9.72E-12 |
| hsa-miR-181a-5p | 62830.61 | -3.16 | 3.59E-11 |
| hsa-miR-182-5p | 2886.55 | -3.46 | 1.24E-10 |
| hsa-miR-188-5p | 33.34 | -16.68 | 2.56E-10 |
| hsa-miR-145-5p | 111.63 | -6.28 | 3.38E-10 |
| hsa-miR-574-3p | 264.67 | 3.20 | 3.38E-10 |
| hsa-miR-130b-5p | 327.56 | 3.73 | 4.68E-10 |
| hsa-miR-142-3p | 818.85 | -4.47 | 6.70E-10 |
| hsa-let-7f-5p | 81822.16 | 3.94 | 9.01E-10 |
| hsa-miR-199b-3p | 14190.56 | 2.48 | 9.69E-10 |
| hsa-miR-10b-5p | 28621.20 | -4.76 | 5.96E-09 |
| hsa-miR-577 | 20.33 | -15.35 | 7.16E-09 |
| hsa-miR-548e-3p | 113.04 | 2.71 | 3.00E-08 |
| hsa-miR-7849-3p | 109.44 | -3.51 | 5.30E-08 |
| hsa-miR-186-3p | 12.61 | -17.75 | 6.06E-08 |
| hsa-miR-193b-5p | 97.93 | 19.70 | 6.06E-08 |
| hsa-miR-4433b-5p | 820.07 | 3.63 | 6.06E-08 |
| hsa-miR-193a-3p | 5.33 | -34.54 | 7.77E-08 |
| hsa-miR-128-3p | 4061.79 | 2.17 | 9.21E-08 |
| hsa-miR-4741 | 23.45 | 20.11 | 1.12E-07 |
| hsa-miR-21-3p | 7034.52 | -2.43 | 1.15E-07 |
| hsa-miR-193a-5p | 10.76 | 67.18 | 1.19E-07 |
| hsa-miR-10399-5p | 244.03 | 3.32 | 3.65E-07 |
| hsa-miR-654-5p | 115.83 | 5.66 | 4.30E-07 |
| hsa-miR-181c-5p | 1485.90 | -2.87 | 5.12E-07 |
| hsa-miR-877-5p | 2437.74 | -4.26 | 1.71E-06 |
| hsa-miR-628-3p | 309.27 | -3.41 | 2.26E-06 |
| hsa-miR-423-3p | 30851.04 | 3.18 | 2.93E-06 |
| hsa-miR-1285-3p | 460.89 | -3.16 | 3.66E-06 |
| hsa-miR-3173-5p | 13.06 | 6.19 | 5.62E-06 |
| hsa-miR-381-3p | 1182.08 | -4.56 | 5.62E-06 |
| hsa-miR-3168 | 72.72 | 103.25 | 6.85E-06 |
| hsa-miR-148b-3p | 5441.18 | -1.96 | 7.32E-06 |
| hsa-miR-1908-5p | 44.88 | 5.90 | 8.57E-06 |
| hsa-miR-885-5p | 20.46 | 13.18 | 9.56E-06 |
| hsa-miR-4657 | 12.50 | 23.43 | 1.25E-05 |
| hsa-miR-10a-5p | 24773.78 | -2.58 | 1.26E-05 |
| hsa-miR-186-5p | 26793.94 | -1.74 | 1.65E-05 |
| hsa-miR-4531 | 26.64 | 2.48 | 1.65E-05 |
| hsa-miR-134-5p | 748.81 | 5.78 | 1.67E-05 |
| hsa-miR-1294 | 7.58 | 13.83 | 1.87E-05 |
| hsa-miR-494-3p | 46.36 | -4.08 | 1.93E-05 |
| hsa-let-7i-5p | 47729.96 | 2.89 | 2.09E-05 |
| hsa-miR-6763-5p | 22.80 | 1.75 | 2.11E-05 |
| hsa-miR-376a-5p | 38.02 | -5.78 | 2.49E-05 |
| hsa-miR-411-3p | 17.81 | -4.00 | 2.89E-05 |
| hsa-let-7d-3p | 3545.22 | 2.28 | 3.04E-05 |
| hsa-miR-3173-3p | 4.44 | 17.88 | 3.84E-05 |
| hsa-miR-6842-3p | 225.38 | -2.91 | 3.84E-05 |
| hsa-let-7d-5p | 4120.77 | 2.16 | 5.69E-05 |
| hsa-miR-874-3p | 78.00 | -2.85 | 6.44E-05 |
| hsa-miR-28-5p | 1378.73 | 1.60 | 7.36E-05 |
| hsa-miR-582-3p | 14.01 | -4.92 | 7.90E-05 |
| hsa-miR-1255b-5p | 9.38 | 12.21 | 8.58E-05 |
| hsa-miR-483-5p | 128.56 | 13.55 | 9.48E-05 |
| hsa-miR-484 | 3913.69 | 1.65 | 0.00011099 |
| hsa-miR-486-3p | 1107.54 | 2.43 | 0.00014081 |
| hsa-miR-224-5p | 192.51 | -3.25 | 0.00020053 |
| hsa-miR-7110-5p | 16.49 | 1.33 | 0.00035199 |
| hsa-miR-5683 | 31.12 | -4.63 | 0.0004265 |
| hsa-miR-148b-5p | 103.76 | -2.57 | 0.00048516 |
| hsa-miR-199a-5p | 1231.29 | -1.79 | 0.00049544 |
| hsa-miR-4687-3p | 18.44 | 1.85 | 0.00053459 |
| hsa-miR-15a-3p | 2.29 | -18.51 | 0.00055438 |
| hsa-miR-548ax | 27.45 | -2.23 | 0.00061659 |
| hsa-miR-4746-5p | 53.97 | -2.10 | 0.00070581 |
| hsa-miR-486-5p | 1209535.88 | -2.19 | 0.00072654 |
| hsa-miR-103a-2-5p | 16.68 | -5.31 | 0.00073059 |
| hsa-miR-3677-3p | 19.59 | -7.62 | 0.00079776 |
| hsa-miR-152-5p | 12.82 | -3.84 | 0.00083844 |
| hsa-miR-26a-5p | 119270.43 | -1.96 | 0.00084999 |
| hsa-miR-144-3p | 760.43 | -2.71 | 0.00093239 |
| hsa-miR-125a-3p | 18.95 | 4.44 | 0.00094233 |
| hsa-miR-758-3p | 47.81 | -2.99 | 0.00094233 |
| hsa-miR-2467-5p | 13.06 | -3.48 | 0.00104643 |
| hsa-miR-497-5p | 99.39 | -2.50 | 0.00104924 |
| hsa-miR-615-3p | 3.13 | -19.16 | 0.0012779 |
| hsa-miR-937-3p | 12.11 | 3.34 | 0.00138689 |
| hsa-miR-101-5p | 10.99 | -4.29 | 0.00147975 |
| hsa-miR-127-5p | 19.91 | -5.62 | 0.00147975 |
| hsa-miR-1306-5p | 13.30 | 3.10 | 0.00148194 |
| hsa-miR-320d | 353.67 | 4.26 | 0.00149759 |
| hsa-miR-183-5p | 95.95 | -3.36 | 0.00157936 |
| hsa-miR-6511b-3p | 29.59 | 3.65 | 0.00161186 |
| hsa-miR-22-3p | 537575.27 | 2.03 | 0.0017982 |
| hsa-miR-10b-3p | 4.64 | -6.36 | 0.00186359 |
| hsa-miR-4786-5p | 7.93 | -4.32 | 0.00240482 |
| hsa-miR-500a-3p | 534.36 | -2.07 | 0.00255457 |
| hsa-miR-1275 | 42.17 | 4.69 | 0.00289855 |
| hsa-miR-1307-5p | 2755.93 | -2.13 | 0.00293017 |
| hsa-miR-1296-5p | 31.29 | -2.57 | 0.00344013 |
| hsa-miR-125a-5p | 4522.33 | -2.06 | 0.00349616 |
| hsa-miR-190a-5p | 14.06 | -3.43 | 0.00350676 |
| hsa-miR-1285-5p | 4.39 | 7.78 | 0.00370909 |
| hsa-miR-323a-3p | 91.61 | -2.50 | 0.00406705 |
| hsa-miR-625-3p | 236.66 | 2.69 | 0.00421319 |
| hsa-miR-345-5p | 951.84 | 1.69 | 0.00461837 |
| hsa-miR-589-3p | 36.39 | -2.48 | 0.00462275 |
| hsa-miR-887-3p | 3.13 | -7.41 | 0.00462275 |
| hsa-miR-361-3p | 190.26 | 1.85 | 0.00469694 |
| hsa-miR-6843-3p | 10.38 | 3.46 | 0.00483652 |
| hsa-miR-185-5p | 42.16 | 3.07 | 0.00487442 |
| hsa-miR-33a-5p | 59.81 | -2.10 | 0.00487442 |
| hsa-miR-369-3p | 164.54 | -2.50 | 0.00505921 |
| hsa-miR-425-3p | 116.73 | -1.69 | 0.00556425 |
| hsa-miR-136-5p | 72.47 | -2.33 | 0.00698101 |
| hsa-miR-1468-5p | 317.95 | -1.79 | 0.00717601 |
| hsa-miR-542-3p | 9.26 | 3.32 | 0.00729782 |
| hsa-miR-203a-3p | 9.12 | 3.43 | 0.00760719 |
| hsa-miR-6810-5p | 4.04 | -6.19 | 0.00892644 |
| hsa-miR-128-1-5p | 56.33 | -1.97 | 0.00951947 |
| hsa-miR-548o-5p | 44.69 | -1.96 | 0.00951947 |
| hsa-miR-370-3p | 279.02 | -2.75 | 0.01091894 |
| hsa-miR-423-5p | 466133.15 | 2.71 | 0.01091894 |
| hsa-miR-576-5p | 64.95 | 2.19 | 0.01125822 |
| hsa-miR-889-3p | 320.09 | -2.55 | 0.01171197 |
| hsa-miR-487b-3p | 208.88 | -2.07 | 0.01205707 |
| hsa-miR-6515-5p | 36.01 | 2.69 | 0.01205707 |
| hsa-let-7f-1-3p | 21.82 | 2.53 | 0.01451649 |
| hsa-miR-584-3p | 3.74 | -3.55 | 0.01494697 |
| hsa-miR-342-5p | 136.99 | 2.11 | 0.01571134 |
| hsa-miR-24-2-5p | 46.22 | -1.91 | 0.01602991 |
| hsa-miR-138-5p | 7.79 | -3.71 | 0.01632269 |
| hsa-miR-33a-3p | 10.08 | -2.93 | 0.01634623 |
| hsa-miR-1292-5p | 8.32 | -3.63 | 0.01786217 |
| hsa-miR-375-3p | 1074.38 | -2.22 | 0.01788263 |
| hsa-miR-410-3p | 1795.83 | -2.13 | 0.01875577 |
| hsa-miR-4448 | 16.70 | 4.53 | 0.02015719 |
| hsa-miR-4775 | 9.98 | -2.75 | 0.02016087 |
| hsa-miR-545-3p | 1.61 | -15.24 | 0.02078413 |
| hsa-miR-6832-5p | 4.35 | -4.08 | 0.02308529 |
| hsa-miR-30a-5p | 3523.69 | 1.73 | 0.02346137 |
| hsa-miR-197-3p | 266.75 | 1.57 | 0.02464744 |
| hsa-miR-331-3p | 131.30 | -2.31 | 0.02618439 |
| hsa-miR-4435 | 124.86 | -1.77 | 0.026672 |
| hsa-miR-452-5p | 30.82 | 2.79 | 0.02796616 |
| hsa-miR-338-3p | 144.10 | -1.71 | 0.02885367 |
| hsa-miR-760 | 12.41 | 2.55 | 0.02900832 |
| hsa-miR-151a-3p | 71062.92 | -1.28 | 0.03094333 |
| hsa-miR-369-5p | 139.89 | -2.11 | 0.03295771 |
| hsa-miR-4645-3p | 14.94 | -1.99 | 0.03344232 |
| hsa-miR-6777-3p | 5.01 | 3.39 | 0.03416958 |
| hsa-miR-200a-3p | 11.23 | -2.66 | 0.03428082 |
| hsa-miR-664b-5p | 2.36 | 47.50 | 0.03428082 |
| hsa-miR-5189-3p | 30.96 | -2.62 | 0.03466647 |
| hsa-miR-11400 | 497.23 | -1.65 | 0.03530447 |
| hsa-miR-7976 | 32.55 | 2.64 | 0.03624748 |
| hsa-miR-431-3p | 35.58 | -2.03 | 0.03768563 |
| hsa-miR-20a-3p | 3.92 | -2.97 | 0.03789382 |
| hsa-miR-6891-5p | 3.14 | 2.25 | 0.03789382 |
| hsa-miR-299-3p | 18.93 | -2.43 | 0.0388085 |
| hsa-miR-196b-5p | 76.69 | 2.08 | 0.03908651 |
| hsa-miR-30e-3p | 1538.75 | -1.32 | 0.04042597 |
| hsa-miR-3158-3p | 115.69 | -2.38 | 0.04084722 |
| hsa-miR-320a-3p | 28910.15 | 2.30 | 0.04316291 |
| hsa-miR-34a-5p | 2.55 | 2.13 | 0.04341515 |
| hsa-miR-450b-5p | 67.36 | 1.97 | 0.0453496 |
| hsa-miR-130a-3p | 5512.58 | -1.49 | 0.04656576 |
| hsa-miR-154-5p | 6.22 | -2.87 | 0.04807832 |
| hsa-miR-4454 | 20.25 | -1.83 | 0.04810743 |
| hsa-miR-411-5p | 686.10 | -2.00 | 0.04892527 |
| hsa-miR-6818-5p | 6.11 | -2.17 | 0.04975826 |
| hsa-miR-532-5p | 1095.76 | -1.58 | 0.04979005 |
| hsa-miR-548l | 3.49 | -2.75 | 0.04979045 |
| hsa-miR-6862-5p | 15.01 | 2.91 | 0.04979045 |

aThe average of the normalized count values according to DeSeq2.

bThe effect size estimate according to DeSeq2.

cP value adjusted for false discovery rate by the method of Benjamini and Hochberg.