**Suppl 6.** Downregulated and upregulated miRNAs in wild-type K562 cells with HU treatment compared with those without HU treatment, *P* < 0.05 and fold change > 2 or < -2.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **miRNAs** | **microRNA ID** | ***P*-value** | **FDR step up** | **Log2(Ratio)** |
| **Downregulated** | hsa-miR-3179 | 0.049 | 0.64 | -2.00 |
|  | hsa-miR-559 | 4.81E-03 | 0.16 | -1.58 |
|  | hsa-miR-5582-3p | 0.02 | 0.37 | -1.54 |
|  | hsa-miR-21-3p | 1.63E-03 | 0.08 | -1.51 |
|  | hsa-miR-21-5p | 6.24E-04 | 0.05 | -1.26 |
|  | hsa-miR-3675-3p | 0.048 | 0.64 | -1.26 |
|  | hsa-miR-3928-3p | 0.04 | 0.58 | -1.04 |
|  | hsa-miR-628-3p | 0.01 | 0.29 | -1.00 |
| **Upregulated** | hsa-miR-1301-3p | 0.03 | 0.51 | 1.05 |
|  | hsa-miR-1257 | 0.01 | 0.36 | 1.08 |
|  | hsa-miR-652-5p | 0.04 | 0.55 | 1.09 |
|  | hsa-miR-3689e | 0.02 | 0.43 | 1.09 |
|  | hsa-miR-9-5p | 0.02 | 0.43 | 1.15 |
|  | hsa-miR-212-5p | 8.83E-03 | 0.25 | 1.22 |
|  | hsa-miR-9-3p | 5.57E-05 | 0.01 | 1.29 |
|  | hsa-miR-3689b-5p | 2.44E-03 | 0.10 | 1.29 |
|  | hsa-miR-3689a-5p | 3.44E-03 | 0.12 | 1.29 |
|  | hsa-miR-1303 | 0.02 | 0.43 | 1.32 |
|  | hsa-miR-372-3p | 0.02 | 0.41 | 1.32 |
|  | hsa-miR-199b-5p | 8.56E-04 | 0.05 | 1.33 |
|  | hsa-miR-212-3p | 5.88E-03 | 0.19 | 1.40 |
|  | hsa-miR-144-5p | 1.01E-03 | 0.05 | 1.46 |
|  | hsa-miR-551a | 2.12E-03 | 0.09 | 1.55 |
|  | hsa-miR-1246 | 1.48E-04 | 0.02 | 1.57 |
|  | hsa-miR-3681-5p | 7.68E-04 | 0.05 | 1.70 |
|  | hsa-miR-371a-5p | 0.02 | 0.43 | 1.75 |
|  | hsa-miR-451b | 0.03 | 0.46 | 1.75 |
|  | hsa-miR-129-2-3p | 7.08E-03 | 0.21 | 1.76 |
|  | hsa-miR-129-1-3p | 7.08E-03 | 0.21 | 1.76 |
|  | hsa-miR-1298-5p | 9.96E-04 | 0.05 | 2.09 |
|  | hsa-miR-584-5p | 2.20E-11 | 0.00 | 2.16 |
|  | hsa-miR-6503-3p | 2.87E-03 | 0.11 | 2.16 |
|  | hsa-miR-129-5p | 4.71E-09 | 0.00 | 2.38 |
|  | hsa-miR-4485-3p | 5.18E-04 | 0.05 | 2.58 |
|  | hsa-miR-1286 | 1.01E-03 | 0.05 | 2.76 |