**Suppl 3.** Downregulated and upregulated miRNAs with the 10 largest fold-changes in *SAR1A*-knockout K562 cells without HU treatment compared with wild type, FDR < 0.05 and fold change > 2 or < -2.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **miRNAs** | **microRNA ID** | ***P*-value** | **FDR step up** | **Log2(Ratio)** |
| **Downregulated** | hsa-miR-1249-3p | 1.18E-06 | 3.08E-05 | -6.69 |
|  | hsa-miR-675-5p | 3.54E-05 | 5.09E-04 | -6.07 |
|  | hsa-miR-1292-3p | 1.11E-03 | 1.04E-02 | -5.26 |
|  | hsa-miR-6894-3p | 2.98E-03 | 2.31E-02 | -5.04 |
|  | hsa-miR-1260a | 1.41E-05 | 2.58E-04 | -4.58 |
|  | hsa-miR-6803-3p | 4.49E-03 | 3.07E-02 | -4.41 |
|  | hsa-miR-1908-5p | 1.76E-19 | 3.03E-17 | -3.71 |
|  | hsa-miR-877-3p | 2.34E-05 | 3.87E-04 | -3.62 |
|  | hsa-miR-1268b | 4.34E-13 | 3.74E-11 | -3.44 |
|  | hsa-miR-4695-3p | 3.08E-04 | 3.32E-03 | -3.32 |
| **Upregulated** | hsa-miR-10395-3p | 5.78E-22 | 1.24E-19 | 4.04 |
|  | hsa-miR-3651 | 7.94E-03 | 4.85E-02 | 4.45 |
|  | hsa-miR-3681-5p | 3.53E-37 | 1.52E-34 | 4.56 |
|  | hsa-miR-4659b-3p | 3.17E-03 | 2.42E-02 | 4.90 |
|  | hsa-miR-12136 | 3.75E-25 | 1.08E-22 | 4.94 |
|  | hsa-miR-4755-5p | 4.58E-03 | 3.11E-02 | 5.29 |
|  | hsa-miR-3609 | 1.49E-16 | 2.14E-14 | 5.49 |
|  | hsa-miR-4463 | 1.37E-05 | 2.56E-04 | 6.59 |
|  | hsa-miR-1290 | 5.56E-13 | 4.35E-11 | 8.27 |
|  | hsa-miR-1246 | 1.85E-162 | 1.60E-159 | 9.67 |