**Supplemental Table S3. miRNAs significantly associated with Dioxins using both uncorrected and corrected regression models.**

|  |  |  |
| --- | --- | --- |
| **Species** | **p-value (uncorrected model)1** | **p-value (corrected model)2** |
| let-7b-5p | 2.43E-04 | 8.59E-03 |
| let-7g-5p | 5.02E-06 | 2.29E-04 |
| let-7i-5p | 1.45E-06 | 2.22E-06 |
| miR-103a-3p | 0.02 | 7.14E-03 |
| miR-106a-5p | 0.01 | 1.02E-05 |
| miR-107 | 0.01 | 3.98E-03 |
| miR-130b-3p | 1.62E-03 | 0.021 |
| miR-136-5p | 2.75E-08 | 9.53E-03 |
| miR-140-3p | 1.35E-06 | 4.29E-12 |
| miR-140-5p | 0.01 | 0.013 |
| miR-142-3p | 1.23E-17 | 7.56E-15 |
| miR-142-5p | 0.01 | 6.50E-03 |
| miR-144-3p | 0.01 | 5.51E-03 |
| miR-146a-5p | 0.01 | 2.12E-03 |
| miR-148b-3p | 0.04 | 0.042 |
| miR-15a-5p | 0.01 | 5.86E-03 |
| miR-15b-3p | 0.04 | 7.26E-03 |
| miR-16-5p | 1.62E-03 | 2.86E-08 |
| miR-191-5p | 1.78E-05 | 2.02E-09 |
| miR-195-5p | 0.03 | 0.012 |
| miR-199a-5p | 0.01 | 0.016 |
| miR-19b-3p | 0.01 | 1.02E-03 |
| miR-21-5p | 1.62E-03 | 3.21E-04 |
| miR-215-5p | 0.03 | 0.037 |
| miR-22-3p | 0.01 | 8.55E-03 |
| miR-221-3p | 9.05E-06 | 9.24E-07 |
| miR-28-5p | 0.04 | 0.022 |
| miR-30e-5p | 0.01 | 4.24E-04 |
| miR-32-5p | 9.03E-08 | 3.07E-08 |
| miR-326 | 2.29E-12 | 8.42E-06 |
| miR-328-3p | 4.64E-15 | 1.70E-05 |
| miR-33a-5p | 1.40E-05 | 8.51E-04 |
| miR-342-3p | 0.05 | 0.015 |
| miR-409-3p | 4.10E-03 | 0.029 |
| miR-423-3p | 9.03E-08 | 1.48E-04 |
| miR-423-5p | 1.05E-03 | 1.81E-04 |
| miR-484 | 9.03E-08 | 2.30E-07 |
| miR-584-5p | 0.01 | 9.75E-03 |
| miR-93-5p | 4.28E-03 | 5.36E-04 |

1Smallest p-value reported for individual dioxin species as shown in Table 3 of Woeller et al. J Occup Environ Med. 2016 Aug;58(8 Suppl 1):S89-96.

2p-value with respect to the dioxin PC1 as described in the Methods.