

| Supplementary Table 2. P values for hepatic mRNA-miRNA Spearman rank correlations. | | | | | | | | | | | | | | | | |
|--|--------------|---------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--|
| mRNA/miRNA | miR-1 | miR-10a | miR-10b | miR-128a | miR-135a | miR-138 | miR-141 | miR-148a | miR-150 | miR-200a | miR-23a | miR-27a | miR-27b | miR-34a | miR-9 | |
| AKR1D1 | 0.996 | 0.916 | 0.847 | 0.110 | 0.065 | 0.599 | 0.154 | 0.001 | 0.382 | 0.262 | 0.012 | 0.006 | 0.024 | 0.000 | 0.761 | |
| CEBP α | 0.876 | 0.215 | 0.112 | 0.109 | 0.174 | 0.770 | 0.259 | 0.206 | 0.287 | 0.728 | 0.126 | 0.082 | 0.210 | 0.802 | 0.011 | |
| CYP2B6 | 0.322 | 0.061 | 0.475 | 0.902 | 0.668 | 0.590 | 0.326 | 0.003 | 0.511 | 0.687 | 0.187 | 0.940 | 0.050 | 0.423 | 0.033 | |
| CYP2C19 | 0.784 | 0.304 | 0.383 | 0.515 | 0.191 | 0.091 | 0.190 | 0.004 | 0.140 | 0.058 | 0.185 | 0.037 | 0.808 | 0.000 | 0.788 | |
| CYP2C9 | 0.012 | 0.067 | 0.409 | 0.253 | 0.864 | 0.367 | 0.689 | 0.001 | 0.146 | 0.455 | 0.004 | 0.127 | 0.007 | 0.337 | 0.053 | |
| CYP3A4 | 0.300 | 0.133 | 0.123 | 0.449 | 0.653 | 0.098 | 0.212 | 0.000 | 0.021 | 0.102 | 0.344 | 0.269 | 0.670 | 0.000 | 0.664 | |
| EHHADH | 0.447 | 0.077 | 0.470 | 0.132 | 0.240 | 0.794 | 0.026 | 0.001 | 0.257 | 0.489 | 0.003 | 0.020 | 0.009 | 0.152 | 0.492 | |
| FOXA2 | 0.736 | 0.412 | 0.594 | 0.105 | 0.423 | 0.640 | 0.922 | 0.004 | 0.122 | 0.431 | 0.343 | 0.002 | 0.290 | 0.248 | 0.261 | |
| HNF4 α | 0.979 | 0.978 | 0.653 | 0.504 | 0.632 | 0.766 | 0.857 | 0.014 | 0.067 | 0.711 | 0.007 | 0.006 | 0.634 | 0.040 | 0.117 | |
| HNF4 γ | 0.368 | 0.395 | 0.749 | 0.020 | 0.884 | 0.804 | 0.311 | 0.131 | 0.109 | 0.941 | 0.371 | 0.194 | 0.265 | 0.576 | 0.135 | |
| NCOA6 | 0.820 | 0.303 | 0.073 | 0.930 | 0.017 | 0.045 | 0.774 | 0.077 | 0.251 | 0.011 | 0.260 | 0.496 | 0.132 | 0.000 | 0.088 | |
| NCOR2 | 0.757 | 0.984 | 0.284 | 0.822 | 0.095 | 0.002 | 0.974 | 0.511 | 0.441 | 0.002 | 0.833 | 0.046 | 0.299 | 0.124 | 0.654 | |
| NR1I2 | 0.039 | 0.302 | 0.061 | 0.033 | 0.648 | 0.547 | 0.283 | 0.004 | 0.003 | 0.607 | 0.080 | 0.006 | 0.060 | 0.018 | 0.414 | |
| NR1I3 | 0.718 | 0.184 | 0.086 | 0.256 | 0.033 | 0.302 | 0.403 | 0.004 | 0.011 | 0.595 | 0.266 | 0.090 | 0.005 | 0.041 | 0.185 | |
| NR3C1 | 0.988 | 0.272 | 0.163 | 0.947 | 0.895 | 0.768 | 0.649 | 0.059 | 0.929 | 0.673 | 0.433 | 0.727 | 0.147 | 0.946 | 0.165 | |
| PPARGC1 α | 0.023 | 0.678 | 0.021 | 0.585 | 0.079 | 0.997 | 0.761 | 0.017 | 0.847 | 0.795 | 0.998 | 0.840 | 0.331 | 0.150 | 0.771 | |
| RXR α | 0.582 | 0.324 | 0.444 | 0.056 | 0.216 | 0.537 | 0.656 | 0.001 | 0.208 | 0.409 | 0.131 | 0.285 | 0.060 | 0.156 | 0.657 | |
| SLC10A1 | 0.195 | 0.635 | 0.414 | 0.111 | 0.080 | 0.610 | 0.105 | 0.001 | 0.092 | 0.178 | 0.395 | 0.006 | 0.072 | 0.004 | 0.988 | |

Spearman rank correlation p values < 0.05 are bold and shaded