**S5**. The potential target sites of regulatory microRNAs from GSEA, for 75 down-regulated DEGs.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **microRNA** | **Recognized Motif** | **Count** | **P-value** | **FDR** |
| MIR181A\_MIR181B\_MIR181C\_MIR181D | TGAATGT | 8 | 1.30E-06 | 2.87E-04 |
| MIR200B\_MIR200C\_MIR429 | CAGTATT | 7 | 1.20E-05 | 1.33E-03 |
| MIR15A\_MIR16\_MIR15B\_MIR195\_MIR424\_MIR497 | TGCTGCT | 7 | 5.81E-05 | 4.28E-03 |
| MIR19A\_MIR19B | TTTGCAC | 6 | 2.04E-04 | 8.74E-03 |
| MIR506 | GTGCCTT | 6 | 1.23E-03 | 1.79E-02 |
| MIR218 | AAGCACA | 5 | 4.99E-04 | 1.25E-02 |
| MIR27A\_MIR27B | ACTGTGA | 5 | 1.09E-03 | 1.79E-02 |
| MIR199A | CTACTGT | 4 | 2.37E-04 | 8.74E-03 |
| MIR144 | ATACTGT | 4 | 3.26E-04 | 1.03E-02 |
| MIR204\_MIR211 | AAAGGGA | 4 | 5.09E-04 | 1.25E-02 |
| MIR320 | CAGCTTT | 4 | 8.38E-04 | 1.79E-02 |
| MIR186 | ATTCTTT | 4 | 1.05E-03 | 1.79E-02 |
| MIR374 | TATTATA | 4 | 1.23E-03 | 1.79E-02 |
| MIR1425P | ACTTTAT | 4 | 1.29E-03 | 1.79E-02 |
| MIR1\_MIR206 | ACATTCC | 4 | 1.50E-03 | 1.85E-02 |
| MIR26A\_MIR26B | TACTTGA | 4 | 1.50E-03 | 1.85E-02 |
| MIR520D | TTTGTAG | 4 | 2.27E-03 | 2.64E-02 |
| MIR383 | TCTGATC | 3 | 7.74E-05 | 4.28E-03 |
| MIR21 | ATAAGCT | 3 | 9.27E-04 | 1.79E-02 |
| MIR377 | TGTGTGA | 3 | 4.36E-03 | 4.34E-02 |
| MIR511 | AAAGACA | 3 | 4.48E-03 | 4.34E-02 |
| MIR448 | ATATGCA | 3 | 5.12E-03 | 4.71E-02 |
| MIR2993P | CCCACAT | 2 | 3.56E-03 | 3.93E-02 |
| MIR514 | GTGTCAA | 2 | 4.52E-03 | 4.34E-02 |