Additional Table 5. Pathway interactions among putative microRNA targets

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **KEGG pathway** | **FDR** | **Genes (#)** | **Genes** | **miRNAs (#)** | **miRNAs** |
| Prion diseases | 1.0E-25 | 2 | NCAM2, PRNP | 1 | miR-410 |
| Metabolism of xenobiotics by cytochrome P450 | 3.2E-08 | 3 | GSTO2, GSTA2, GSTM2 | 2 | miR-125a-5p, miR-361-5p |
| NF-kappa B signaling pathway | 0.0004 | 2 | TRAF6, IRAK1 | 2 | miR-146b, miR-146a |
| ECM-receptor interaction | 0.0222 | 5 | COL24A1, COL27A1, ITGA5, ITGAV, COL1A2 | 2 | miR-378a-3p, miR-92a-3p |
| Glycosphingolipid biosynthesis - lacto and neolacto series | 0.0418 | 1 | FUT4 | 1 | miR-125a-5p |
| Toll-like receptor signaling pathway | 0.0421 | 3 | CD80, TRAF6, IRAK1 | 2 | miR-146b, miR-146a |

Abbreviations: Kyoto Encyclopedia of Genes and Genomes (KEGG)