Table S1 Primers used in this study

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| Gene name | Forward primers | Reverse primers |
| Insulin receptor | AACCCGGATCTCTGCTATCT | CCACACTCTCTGTCGTTCTTG |
| Dachshund homolog | CCTCAACACCATCGCTAACA | CACACACTCTCTCCTTGATGAC |
| Protein Mpv17 | CACAATCCTGCACTTAGCAATC | GCAACGGGCTCTGGTATAAA |
| Aquaporin | GACCCTGCTCACCAACATAC | CATCTTCAGCTCTCGCTTCTC |
| NLRC3 | AGGAGAGTCCGTGATGAAGA | CAGCAGAAGACTGGGATTAGAC |
| Inhibitor of κ B | CTACGGGCCTGAAGCAAATA | GGAGAAGTTGTAGTCTGCCATAA |
| circRNA\_729 | GCAAACAGAGTCGAGGAAGAG | TGACACTCGTGCTTCTTAACC |
| circRNA\_2647 | GGCCTCAGCGTGGATAG | GTGGACAGAAGGTTGTGGA |
| circRNA\_2943 | CTGGCTAACAGCAGGAACAA | CGTGGCTTAGGAAAGGAAACA |
| circRNA\_3141 | GACTCTTCACCAAAGCCAGA | GCCCAGTATGACGGATAGATAAG |
| circRNA\_3199 | TCCTCCTGGATACTACGTCTTC | CGGTCCTGGTTCAACTTCTT |
| circRNA\_4195 | CTCCATCATGCCCATCTTCAA | CGTTGATGAGCGACTCCTTAC |
| novel\_530 | TCGGACCGCTGTTGGAGACGA |  |
| novel\_186 | CATCGCGAGGGTGAAAGTGTGT |  |
| novel\_663 | TCACGGTCGGAGACGATAAAGT |  |
| dre-miR-150 | TCTCCCAATCCTTGTACCAGTG |  |
| dre-miR-210-5p | AGCCACTGACTAACGCACATTG |  |
| dre-miR-455-3p | ATGCAGTCCATGGGCATATACAC |  |
| RPL17 | AGGCGACGCACCTACCG | TCTGGTTTGGGGACGA |