**Table S4. Real-time RT-qPCR primer sequences**

|  |  |  |
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| **Gene**  | **Fwd primer (5’- 3’)**  | **Rev primer (5’-3’)**  |
| Pri-mir-7a-1  | TGGCCTAGTTCTGTGTGGAA  | GTCCTGTAGAGGTGGCCTGT  |
| Pri-mir-7a-2  | GAGACTCTAGGGAACTGTATGAGC  | AATCACTAGTCTTCCAAACGG  |
| Pri-mir-17  | CAGTGAGGGCACTTGTAGCA  | GACTGACCGACGACTGGAC  |
| Pri-mir-106b~25  | TTGTCTCGGTCTGACAGTGC  | GCAAGCCACATTTGCCTACT  |
| Pri-mir-29a  | GCACATGACCTCTTGTGACC  | AACCGATTTCAGATGGTGCT  |
| Pri-mir-130a  | AAATGAGGACGAGGGACG  | AACATTGCACTGCTCGGT  |
| Pri-mir-185  | ATCTGGGCTTAGGTAAAGG  | AGGGGACCATCAGGAACT  |
| Pri-mir-181c/d  | GCCAAACAACACCATCAGG  | CCAGACACCAGTCCCATTTC  |
| Pri-mir-290~295  | AGACTGAGTATAGCGAAAGGCTA  | AGCACTTTCTCATTCAGGC  |
| Pri-mir-341~3072  | CGTGGTGGATTCGCTTTACT  | CTTTCTGCAAGTTGCCATCA  |
| Pri-mir-744  | ACTGCCAAGGTGAGTTCA  | CCGTCAGTAAGACTGCTGTTAG  |
| Gapdh | AACTTTGGCATTGTGGAAGG  | ACACATTTGGGGGTAGGAACA  |
| Nodal  | GAGTTTCATCCTACCAACCA  | TGCCATTGTCCACATAAAGC  |
| For pri-miRNA RT-qPCR experiments in embryos, the above reverse primers were used for the reverse transcription reactions prior to amplification by qPCR |