**Supplementary file 2.** ***Yy1* 3’UTR cloned fragments with miR-17 family miRNAs binding sites for luciferase reporter assays.**

(**1**) ***Yy1* 3’UTR fragments cloned for luciferase reporter assay**

AAAGAAGAGAGAAGACCTTCTCGACCCGGGAAGCCTCTTCAGGAGTGTGATTGGGAATAAATATGCCTCTCCTTTGTATATTATTTCTAGGAAGAATTTTAAAAATGAATCCTACACACTTAAGGGACATGTTTTGATAAAGTAGTAAAAATTTAAAAAATACTTTAATAAGATGACATTGCTAAGATGCTATATCTTGCTCTGTAATCTCGTTTCAAAAACAAGGTGTTTTTGTAAAGTGTGGTCCCAACAGGAGGACAATTCATGAACTTCGCATCAAAAGACAATTCTTTATACAACAGTGCTAAAAATGGGACTTCTTTTCACATTCTTATAAATATGAAGCTCACCTGTTGCTTACAATTTTTTTAATTTTGTATTTTCCAAGTGTGCATATTGTACACTTTTTGGGGATATGCTTAGTAATGCTGTGTGATTTTCTGGAGGTTGATAACTTTGCTTGCGGTAGATTTTCTTTAAAAGAATGGGCAGTTACATGCATACTTCAAAAGTATTTTTCCTGTACAAAAAAAAAGTTATATAGGTTTTGTTTGCTATCTTAATTTTGGTTGTATTCTTTGATGTTAACACATTTTGTATAATTGTATCGTATAGCTGTATTGAATCATGTAGAATCAAATATTAGATGTGATTTAATAGTGTTAATCAATTTAAACCCATTTTAGTCACTTTTTTTTCCCCAAAAAATACTGCCAGATGCTGATGTTCAGTGTAATTTCTTTGCCTGTTCAGTTACAGAAAGTGGTGCTCAGTTGTAGAATGTATTGTACCTTTTAACATCTGATGTGTACATCCGTGTAACAGAAAGGGCAACAATAAAATAGCGATCCTAAAGAAAGATTACGGCAGAAAGAGCTCTGTAAGCACAGCCTTATTTTCTTCTGTTGTCCAGAATACTTAGAATTCTTGAGCCTCCCAGAAATTGGAAGCAAATAAAGCAACTTGAGTTTCCTTTA

(**2**) **Predicted miRNA binding sites**

|  |  |  |  |
| --- | --- | --- | --- |
| **miRNA site** | **Position** | **Sequence** | **Mutated sequence** |
| miR-17 family miRNAs | 402-407 | CACTTT | ACTAGG |
| miR-17 family miRNAs | 688-693 | CACTTT | ACTAGG |