Additional file 1: supplementary Table S1

**Table S1 Information of the qPCR primer, probe and silencing RNA sequences**

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| **qPCR primer name** | **Sequence (5’-3’)** |
| AGAP2-AS1 (Forward) | TACCTTGACCTTGCTGCTCTC |
| AGAP2-AS1 (Reverse) | TGTCCCTTAATGACCCCATCC |
| ATG10 (Forward) | TGTCCTCAAGGTCTTGGAGAATG |
| ATG10 (Reverse) | AGCCCCATTCAAACCGTGAA |
| ELAVL1 (Forward) | TCAGGTGGTGCTTTGGGTTT |
| ELAVL1 (Reverse) | CCGTCGATCATCTAGCGCAT |
| GAPDH (Forward) | GCACCGTCAAGGCTGAGAAC |
| GAPDH (Reverse) | ATGGTGGTGAAGACGCCAGT |
| U6 (Forward) | CTCGCTTCGGCAGCACA |
| U6 (Reverse) | AACGCTTCACGAATTTGCGT |
| U1 (Forward) | GGGAGATACCATGATCACGAAGGT |
| U1 (Reverse)  **ChIP qPCR primer**  AGAP2-AS1 promoter-F  AGAP2-AS1 promoter-R  **RIP qPCR primer**  AGAP2-AS1 Forward  AGAP2-AS1 Reverse  **si-RNA name** | CCACAAATTATGCAGTCGAGTTTCCC  **Sequence (5’-3’)**  GTGCTGGACACGATCAGGAA  GACATCAGGGAGGACGGTC  **Sequence (5’-3’)**  CTTTCCCAAGACCGTCCTCC  CAGGTAACAAGTGGGGAGCC  **Sequence (5’-3’)** |
| si-AGAP2-AS1#1 | CTCCTCTCACACGACTTCGG |
| si-AGAP2-AS1#2 | TGCTCTCCTCTCACACGACT |
| si-ELAVL1  si-ATG10  Negative control  **FISH Probes**  AGAP2-AS1  **ASOs name**  **ASO-1**  **ASO-2**  **ASO-3**  **shRNA name**  AGAP2-AS1 shRNA  Scrambled control | ATGCGCTAGATGATCGACGG  CCCAAAGCACTCCATGACCT UUCUCCGAACGUGUCACGUTT  **Sequence (5’-3’)**  CTCACAGCATTGCAGACTGG  **Sequence (5’-3’)**  CCACGCAGATTGAATTCCCC  GATGCCAGAACACTCGATGC  CAAGACCAGGGATCAACGGA  **Sequence (5’-3’)**  CCACTCCACCTCAAACTCTTACCTT  CAGGTGGACTCACAATTCCAAATAT |