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-FAGAP2-AS1 promoter-R**RIP qPCR primer**AGAP2-AS1 ForwardAGAP2-AS1 Reverse**si-RNA name** | CCACAAATTATGCAGTCGAGTTTCCC**Sequence (5’-3’)**GTGCTGGACACGATCAGGAAGACATCAGGGAGGACGGTC**Sequence (5’-3’)**CTTTCCCAAGACCGTCCTCCCAGGTAACAAGTGGGGAGCC**Sequence (5’-3’)** |
| si-AGAP2-AS1#1  | CTCCTCTCACACGACTTCGG |
| si-AGAP2-AS1#2 | TGCTCTCCTCTCACACGACT |
| si-ELAVL1si-ATG10Negative control **FISH Probes**AGAP2-AS1**ASOs name** **ASO-1****ASO-2****ASO-3****shRNA name**AGAP2-AS1 shRNAScrambled control | ATGCGCTAGATGATCGACGGCCCAAAGCACTCCATGACCT UUCUCCGAACGUGUCACGUTT**Sequence (5’-3’)**CTCACAGCATTGCAGACTGG**Sequence (5’-3’)**CCACGCAGATTGAATTCCCCGATGCCAGAACACTCGATGCCAAGACCAGGGATCAACGGA**Sequence (5’-3’)**CCACTCCACCTCAAACTCTTACCTTCAGGTGGACTCACAATTCCAAATAT |