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## 2 Supplementary Table: oligonucleotide sequences

Primers for q-RTPCR	sequence
QhAgo2-F	5'-GGGTTGGGAAAAGTGGAAAC-3'
QhAgo2-R	5'-GTGACACAGCTGGTAGGTAG-3'
QDICER1-F	5'-TGGAGACGCCAATAGCAATA-3'
QDICER1-R	5'-TGCTGCTGCAGTGAATTCTT-3'
QRluc-F	5'-CGTGCAAGTGATGATTTACC-3'
QRluc-R	5'-TCTTGCGAAAAATGAAGACC-3'
Qbetaactin-F	5'-CATCGAGCACGGCATCGTCA-3'
Qbetaactin-R	5'-TAGCACAGCCTGGATAGCAAC-3'
TFRC-F	5'-CGCTGGTCAGTTCGTGATTA-3'
TFRC-R	5'-AACTCAGGCCCATTTCCCTT-3'
U6-F	5'-CTCGCTTCGGCAGCACACA-3'
U6-R	5'-AACGCTTCACGAATTTGCGT-3'
pre-let7a-F	5'-AGGTAGTAGGTTGTATAGTTTTAGG-3'
pre-let7a-R	5'-TAGGAAAGACAGTAGATTGTATAGT-3'
pre-mir30a-F	5'-GTAAACATCCTCGACTGGAAGCT-3'
pre-mir30a-R	5'-GCTGCAAACATCCGACTGAA-3'
pre-mir27ab-F	5'-GCAGGGCTTAGCTGCTTG-3'
pre-mir27ab-R	5'-GGCGGAAGCTTAGCCACTGT-3'
pre-mir99b-F	5'-CCCACCCGTAGAACCGAC-3'
pre-mir99b-R	5'-CCACAGACACGAGCTTGTGT-3'
pre-mir21-F	5'-GCTTATCAGACTGATGTTGACTG-3'
pre-mir21-R	5'-CAGCCCATCGACTGGTG-3'
pre-mir10ab-F	5'-TACCCTGTAGATCCGAATTTGTG-3'
pre-mir10ab-R	5'-ATTCCCCTAGATACGAATTTGTGA-3'
pre-mir100-F	5'-AACCCGTAGATCCGAAGCTTG-3'
pre-mir100-R	5'-TACCTATAGATACAAGCTTGTGCG-3'
pre-mir191-F	5'-GCAACGGAATCCCAAAG-3'
pre-mir191-R	5'-GACGAAATCCAAGCGCA-3'
miRNA sponges	sequence
pAS7w.mCherry-CMV d2EGFP-CXCR4-13x	5'-AAGTTTTTCAGAAAGCTAACA-3'
pAS7w.mCherry-CMV d2EGFP-let7a-13x	5'-AACTATACAAGGACTACCTCA-3'
pAS7w.mCherry-CMV	5'-AACCACACAAGGACTACCTCA-3'

d2EGFP-let7b-13x	
pAS7w.mCherry-CMV d2EGFP-miR103a-3p-13x	5'-TCATAGCCCTGCTTATGCTGCT-3'
CRISPR/CAS	sequence
sgAgo2 (1)	5'-GCCGGCTCCCGAGTACATGG-3'
sgAgo2 (2)	5'-GCGCCGCCGCCCCCATCCA-3'
sgDICER1 (1)	5'-TCACCAATGGGTCCTTTCTT-3'
sgDICER1 (2)	5'-CTGACACTTGTTGAGCAACC-3'
siRNA	sequence
si-Ago2 smart pool	Mixture of the following four sequences
D-004639-01	5'-GCACGGAAGUCCAUCUGAA-3'
D-004639-02	5'-GCAGGACAAAGAUGUAUUA-3'
D-004639-03	5'-GGGUCUGUGGUGAUAAAUA-3'
D-004639-04	5'-GUAUGAGAACCCAAUGUCA-3'
Let-7a miRNA	
hsa-Let-7a	sequence
	5'-UGAGGUAGUAGGUUGUAUAGUU-3'

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