

Supplementary Table S1:**List of oligonucleotide sequences for activity assay**

21-nt and 24-nt ss DNA guides were used for h7iAgo and hNgAgo targeting, respectively
Target sites for 21-nt ss DNA guides are underlined

FW guide and RV target according to Swarts et al. 2014

Oligo name	Forward (5'-3')
FW guide (21-nt)	/5Phos/TGAGGTAGTAGGTTGTATAGT
FW guide (24-nt)	/5Phos/GAGGTAGTAGGTTGTATAGTATAT
RV target (98-nt)	TCGACTTTATATTTAAATAATTTAATATA <u>ACTATACAACCTACTACCTCGTATAAAATTTTAAATAAATAT</u> TGCATTCAAGCTTTTAATTTAATTTAAAT

RPL13A ss DNA guide and ss DNA target

Oligo name	Forward (5'-3')
RPL13A (21-nt)	/5Phos/TCAGATAGCAGGCCAGTCAG
RPL13A (t1G) (21-nt)	/5Phos/CAGATAGCAGGCCAGTCAGA
RPL13A (24-nt)	/5Phos/CAGATAGCAGGCCAGTCAGAGGG
RPL13A target (98-nt)	CCCATGGGCCACCTCAGTGGGGTGGGTGGGCATCCTTATGAGGCCCT <u>CTGACTGGGCTGCTATCTGT</u> CACCCAACAGGTATGCTGCCCCAAAAAC