

Table S1. RNA oligonucleotides used for siRNA

Specificity	Sense (5' – 3')	Anti-sense (5' – 3')
MHS2 siGENOME duplex (1)	GAAGAGACCUUAACUAUGCUU	GCAUAGUUAAGGUCUCUUCUU
MHS2 siGENOME duplex (2)	UUGCAGAGCUUGCUGAAUUUUU	AAAUUAGCAAGCUCUGCAAUU
MHS2 siGENOME duplex (3)	GUGCACAGUUUGGAUUAUUUU	UAAUAUCCAAACUGUGCACUU
MHS2 siGENOME duplex (4)	CAGCAAACUUACAAGAUUGUU	CAAUCUUGUAAGUUUGCUGUU
Control	GGCUACGUCCAGGAGCGCACC	UGCGCUCCUGGACGUAGCCUU

Table S2. ssOR with transient Red β expression in HT1080 cells

Cells (x10 ⁶)	^a pcDNA/ PGK-neo*	^a pcDNA-nlsRed β / PGK-neo*	ssO	G418 ^R colonies	^b Frequency
3	24	0	CO	0	0
3	12	12	CO	0	0
3	24	0	RO	14	4.7
3	12	12	RO	15	5.0

^a Weights (μ g) of plasmids transfected are shown. ^b Colonies per transfected 10⁶ cells).