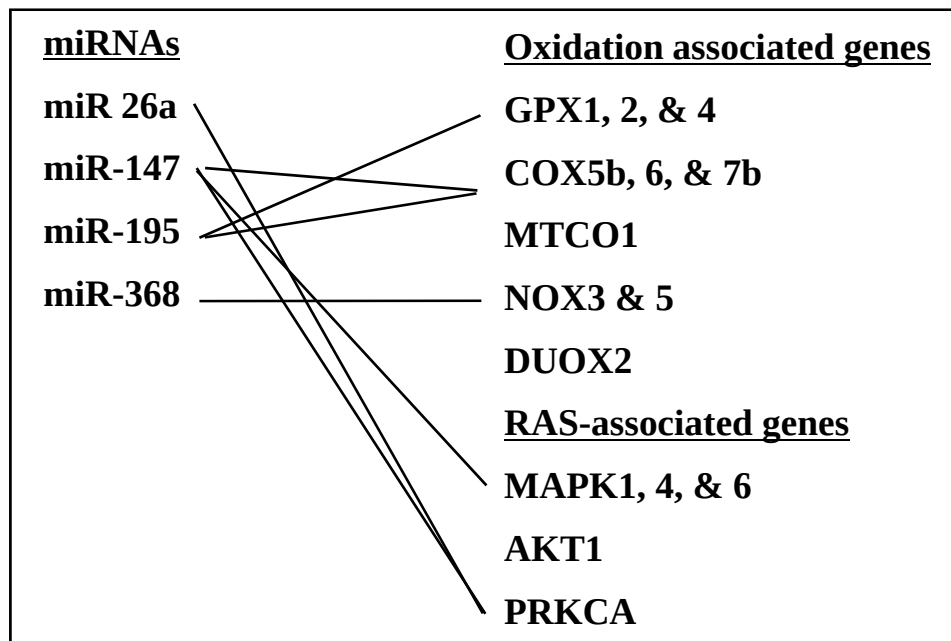


(a) Representative genes predicted to be commonly Targeted by RGM249 miRNAs or siRNAs



(c) Genes targeted by miRNAs changed more than twofold by shRGM249RNA

hsa_miR_192	hsa_miR_196a	hsa_miR_222
GAS7	GAS7	DYRK1A
RAD51 like 3	HOXA5, A7, A9	
MAPK2K4	HOXB7, C8	
H3 histone 3B	GATA6	
DYRK1A	LARP4	
DYRK3	NRAS	
RB1	HMGA2	
RAB2A	DICER1	
GPR22	MAPK4K3	
GPR23	P27/kip1	
ZEB2	CYCLINT	
LARP4	RhoGTPase	
CTNNBIP1	PDGFRA	
BLCAP	CCND2	

(b) miRNAs upregulated by shRGM249 transfection

miRNA description name	Mature sequence
hsa_miR_192	CUGACCUAUGAAUUGACAGCC
rno_miR_336	UCACCCUCCAUAUUCUAGUCU
hsa_miR_512_3p	AAGUGCUGUCAUAGCUGAGGUC
hsa_miR_196a	UAGGUAGUUUCAUGUUGUUGG
hsa_miR_423	AGCUCGGUCUGAGGCCCCUCAG
hsa_miR_520d_AS	UCUACAAAGGGAAGCCCUUUCUG
hsa_miR_222	AGCUACAUCUGGCUACUGGGUCUC