

A)

miR28	3' GAGUUAUCUGACACUCGAGGAA 5'	$\Delta G = -23.3$
	9097 5' ...AUCUG-AGCCUGGGAGCUCUC-...3' 9117	
miR29b	3' UUGUGACU-AAAGUUUACCACGAU 5'	$\Delta G = -29.8$
	8708 5' ...CCCACUGACCUUUGGAUGGUGCUU...3' 8731	
miR138	3' CCGCGGACUAAGUGUUGUGGUCGA 5'	$\Delta G = -17.2$
	2722 5' ...-----GAUUUACCACACCAGAU...3' 2739	
miR211	3' UCCGCUUCCUACUGUUUCCCUU 5'	$\Delta G = -19.4$
	5111 5' ...AGACCAAGGGCCGCAGAGGGAG...3' 5133	
miR326	3' GACCUCCUUCCCGG-GUCUCC 5'	$\Delta G = -24.2$
	5109 5' ...GAAGACCAAGGGCCGCAGAGG... 3' 5130	

B)

<i>C. elegans</i> Let7 to lin41 site 1	3' -UUGAUAUGUUGG-AUGAUG-GAGU-5'	$\Delta G = -27.2$
	5' ...UUUUAUACAACCGUUCUACACUCA...3'	
<i>C. elegans</i> Let7 to lin41 site 2	3' -UUGAUAUGUUGG-AUGAUGGAGU-5'	$\Delta G = -27.8$
	5' ...UUUUAUACAACCAUUCUGCCUC...3'	
<i>D. Melanogaster</i> miR10 to Scr	3' -UGUUUAAGCCUAGA---UGUCCCA-5'	$\Delta G = -26.0$
	5' ...ACAAATTCGGAAGATAAACAGGAA...3'	

C)

let7a	UGGGAUGAGGUAGUAGGUUGUAUAGUUUUAGGGUCACACCCACCACUGGGAGAUAAUAUACAAUCUACUGUCUUUCCUA
miR329	GGUACCUGAAGAGAGGUUUUCUGGGUUUCUGUUUCUUUAAUGAGGACGAAACACACCUGGUUAACCUCUUUCCAGUAUC
let7 scr	GTTGTTTAGTATAGTTCTATTGCCCAACTACGGCTAATAAGGTATCGTCCGAAGGTAGTCCTCAATTGAGGATACGGAT