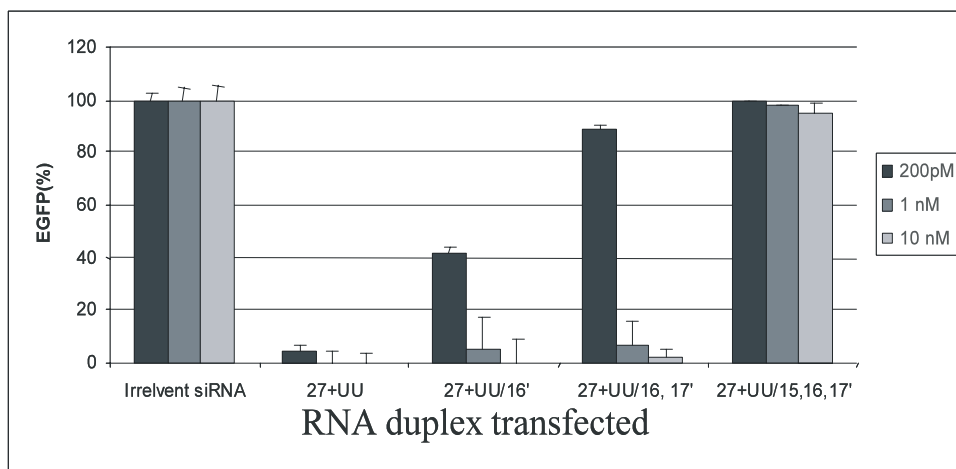


a.

5'	AAGCUGACCCUGAAGUUCAUCUGCAUU	27+0UU
3'	UUCGACUGGGACUUCAAGUAGACGUGG	
5'	AAGCUGACCCUGAAG A UCAUCUGCAUU	Mut-16
3'	UUCGACUGGGACUUC <u>U</u> AGUAGACGUGG	
5'	AAGCUGACCCUGAAG AA CAUCUGCAUU	Mut-16, 17
3'	UUCGACUGGGACUUC <u>UU</u> GUAGACGUGG	
5'	AAGCUGACCCUGAA CAA CAUCUGCAUU	Mut-15, 16, 17
3'	UUCGACUGGGACUUC <u>GUU</u> GUAGACGUGG	

b.



Supp. Fig. 3 *Sequence specificity of Dicer substrate 27mer dsRNAs.* a) The indicated wt and mutant dsRNAs were chemically synthesized. The bold characters indicate the positions within the dsRNAs mismatched with the EGFP target mRNA. b) The various 27mer dsRNAs were co-transfected at the indicated concentrations with the EGFP expression plasmid into HEK293 cells and assayed for EGFP fluorescence