

Supplementary Table 1. Conditions for rational siRNA design by Reynolds, Amarzguioui, and Ui-Tei algorithms

Reynolds rules	Amarzguioui rules	Ui-Tei rules
Presence of A at position 19 of the sense strand	Duplex end A/U differential > 0	A/U at the 5' termini of the sense strand
Presence of A at position three of the sense strand	No G at position 19	G/C at the 5' terminus of the antisense strand
Presence of U at position ten of the sense strand	Strong binding of 5' sense strand	At least 4 A/U residues in the 5' terminal 7 bp of the sense strand
Absence of G at position 13 of the sense strand	No U at position 1	No GC stretch longer than 9nt
Occurrence of three or more A/U base pair at position 15–19 of the sense strand	Presence of A at position 6	
Low internal stability at the target site (T _m 20°C)	Weak binding of 3' sense strand	