

Supplementary Fig. 1

EGFP siRNAs

passenger-strand deletions		guide-strand deletions	
19-nt	5'GCAGCAGCACUUCUUCAAGdTdT dTdTTCGUCGUGCUGAAGAAGUUC'5	GD-1	5'GCAGCAGCACUUCUUCAAGdTdT dTdTTCGUCGUGCUGAAGAAG'5
PD-1	5'GCAGCAGCACUUCUUCAAGdTdT dTdTTCGUCGUGCUGAAGAAGUUC'5	GD-2	5'GCAGCAGCACUUCUUCAAGdTdT CGUGCUGAAGAAGUUC'5
PD-2	5'GCAGCAGCACUUCUUCAAGdTdT dTdTTCGUCGUGCUGAAGAAGUUC'5	GD-3	5'GCAGCAGCACUUCUUCAAGdTdT GUCGUGCUGAAGAAGU'5
PD-3	5'CUUCUUCAAGdTdT dTdTTCGUCGUGCUGAAGAAGUUC'5	both-strand deletions	
PD-4	5'GCAGCAGCACUUCUUC dTdTTCGUCGUGCUGAAGAAGUUC'5	PGD-1	5'GCAGCAGCACUUCUUCdTdT dTdTTCGUCGUGCUGAAGAAG'5
PD-5	5'GCAGCAGCACUUC dTdTTCGUCGUGCUGAAGAAGUUC'5	PGD-2	5'GCAGCAGCACUUCUUCdTdT dTdTTCGUCGUGCUGAAGAA'5
PD-6	5'GCAGCAGCAC dTdTTCGUCGUGCUGAAGAAGUUC'5	PGD-3	5'GCAGCAGCACUUCUUCdTdT dTdTTCGUCGUGCUGAAGA'5
PD-7	5'GCAGCAGCACUUCUUCdTdT dTdTTCGUCGUGCUGAAGAAGUUC'5	PGD-4	5'GCAGCAGCACUUCdTdT dTdTTCGUCGUGCUGAAG'5
PD-8	5'GCAGCAGCACUUCdTdT dTdTTCGUCGUGCUGAAGAAGUUC'5		
PD-9	5'GCAGCAGCACdTdT dTdTTCGUCGUGCUGAAGAAGUUC'5		
PD-10	5'AGCAGCACUUCUUCAA dTdTTCGUCGUGCUGAAGAAGUUC'5		
PD-11	5'AGCAGCACUUCUUC dTdTTCGUCGUGCUGAAGAAGUUC'5		
PD-12	5'AGCAGCACUUCUUC dTdTTCGUCGUGCUGAAGAAGUUC'5		
PD-13	5'CACGACUUCUUCdTdT dTdTTCGUCGUGCUGAAGAAGUUC'5		
PD-14	5'CACGACUUCUUC dTdTTCGUCGUGCUGAAGAAGUUC'5		

CDK9 siRNA

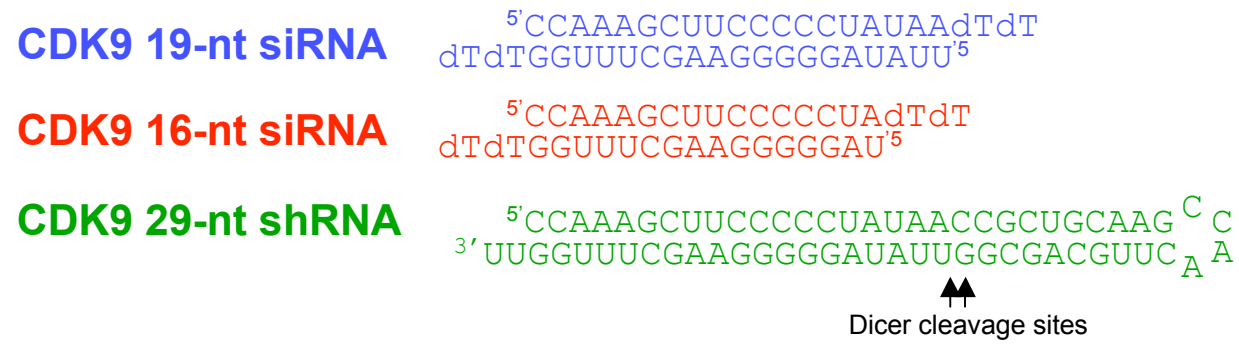
19-nt	5'CCAAAGCUUCCCCCUAUAAdTdT dTdTGGUUUCGAAGGGGGAUAAU'5
16-nt	5'CCAAAGCUUCCCCCUAdTdT dTdTGGUUUCGAAGGGGGAU'5

29-base paired shRNA

5'CCAAAGCUUCCCCCUAUAACCGUGCAAG^C
 3'UUGGUUUCGAAGGGGGAUAUUGGCGACGUUC^A

Supplementary Fig. 2

A



B

