

ID	Sequence (5' → 3')
tracrRNA	GGUUCAAAACAGCAUAGCAAGUUAAAAUAAGGCUAGUCCGUUAUCAACUUGAAAAAGU GGCACCGAGUCGGUGCUUC
T18 ssDNA	TTTTTTTTTTTTTTTTTT
T13 ssDNA	TTTTTTTTTTTTTT
A18 ssDNA	AAAAAAAAAAAAAAAAAA
System 1	
short dsDNA	GGCTAAAGAGGAAGAGGACAT TGG TGAATTCGTAAC
long dsDNA (35)	GGTTGCAGCAGTACGGGCTAAAGAGGAAGAGGACAT TGG TGAATTCGTAAC
sgRNA	GGCUAAAGAGGAAGAGGACAGUUUUAGAGCUAGAAAUAGCAAGUUAAAAUAAGGCUAG UCCGUUAUCAACUUGAAAAAGUGGCACCGAGUCGGUGCUUUU
crRNA	GGCUAAAGAGGAAGAGGACAGUUUUAGAGCUAUGCUGUU
long dsDNA v (23)	ACGGGCTAAAGAGGAAGAGGACAT TGG TGAATTCGTAAC
long dsDNA w (26)	AGTACGGGCTAAAGAGGAAGAGGACAT TGG TGAATTCGTAAC
long dsDNA x (29)	AGCAGTACGGGCTAAAGAGGAAGAGGACAT TGG TGAATTCGTAAC
long dsDNA y (32)	TGCAGCAGTACGGGCTAAAGAGGAAGAGGACAT TGG TGAATTCGTAAC
extralong dsDNA (49)	CGCATCGAATCGATGGTTGCAGCAGTACGGGCTAAAGAGGAAGAGGACAT TGG TGAATT CGTAAC
crRNA b (21)	GGGCUAAAGAGGAAGAGGACAGUUUUAGAGCUAUGCUGUU
crRNA c (22)	GAGGCUAAAGAGGAAGAGGACAGUUUUAGAGCUAUGCUGUU
crRNA d (23)	GGAGGCUAAAGAGGAAGAGGACAGUUUUAGAGCUAUGCUGUU
crRNA e (24)	GGAAGGCUAAAGAGGAAGAGGACAGUUUUAGAGCUAUGCUGUU
crRNA f (19)	GCUAAAGAGGAAGAGGACAGUUUUAGAGCUAUGCUGUU
crRNA v (23)	GGACGGGCUAAAGAGGAAGAGGACAGUUUUAGAGCUAUGCUGUU
crRNA w (26)	GGAGUACGGGCUAAAGAGGAAGAGGACAGUUUUAGAGCUAUGCUGUU
crRNA x (29)	GGAGCAGUACGGGCUAAAGAGGAAGAGGACAGUUUUAGAGCUAUGCUGUU
crRNA x* (29*)	GGUUUUUUUUUGGCUAAAGAGGAAGAGGACAGUUUUAGAGCUAUGCUGUU
crRNA y (32)	GGUGCAGCAGUACGGGCUAAAGAGGAAGAGGACAGUUUUAGAGCUAUGCUGUU
crRNA z (35)	GGUUGCAGCAGUACGGGCUAAAGAGGAAGAGGACAGUUUUAGAGCUAUGCUGUU
System 2	
short dsDNA	GCACACAATCGAAGCGCAGTA AGG ATGGCTAGTGTAAC
long dsDNA	ATATTGCAGCAGTACGCACACAATCGAAGCGCAGTA AGG ATGGCTAGTGTAAC
sgRNA	GGCACACAAUCGAAGCGCAGUAGUUUUAGAGCUAGAAAUAGCAAGUUAAAAUAAGGCU AGUCCGUUAUCAACUUGAAAAAGUGGCACCGAGUCGGUGCUUUU
crRNA	GGCACACAAUCGAAGCGCAGUAGUUUUAGAGCUAUGCUGUU
System 3	
short dsDNA	TTAACGAATTTATGGATAAA TGG
long dsDNA	GGAGCTTGCTACGTGCTTAACGAATTTATGGATAAA TGG
sgRNA	GGUUAACGAAUUUAUGGAUAAAGUUUUAGAGCUAUGCUGUUUUUGGAAACAAAACAGCA UAGCAAGUUAAAAUAAGGCUAGUCCGUUAUCAACUUGAAAAAGUGGCACCGAGUCGGU GCUUC
crRNA	GGUUAACGAAUUUAUGGAUAAAGUUUUAGAGCUAUGCUGUU
System 4	
short dsDNA	GATCCGTGTTCTAATTGAAG AGG
long dsDNA	GGAGCATGATGCTGAGATCCGTGTTCTAATTGAAG AGG
sgRNA	GGGAUCCGUGUUCUAAUUGAAGGUUUUAGAGCUAGAAAUAGCAAGUUAAAAUAAGGCU AGUCCGUUAUCAACUUGAAAAAGUGGCACCGAGUCGGUGCUC
crRNA	GGAUCCGUGUUCUAAUUGAAGGUUUUAGAGCUAUGCUGUU
System 5	
short dsDNA	CAGACATTTTGCTCTCAAGC AGG
long dsDNA	GGTGAAGCTGATGCTCAGACATTTTGCTCTCAAGC AGG
sgRNA	GGCAGACAUUUUGCUCUCAAGCGUUUUAGAGCUAGAAAUAGCAAGUUAAAAUAAGGCU AGUCCGUUAUCAACUUGAAAAAGUGGCACCGAGUCGGUGCUC
crRNA	GGCAGACAUUUUGCUCUCAAGCGUUUUAGAGCUAUGCUGUU