

Table S4: Primer sequences for gRNA efficiency detection.

ID	Sequence (5' to 3')
T7-sgRNA4	TTAATACGACTCACTATAGGGGAAGGAAGGGATGTCCTGGGGTTT TAGAGCTAGAAATA
T7-sgRNA6	TTAATACGACTCACTATAGGGGACCATATTACTTCACAAGGGTTTT AGAGCTAGAAATA
FmPDS1-sgRNA4-F	AGTTAGCTGTTAGTGCTTTGCG
FmPDS1-sgRNA4-R	CTTGCTTTCTCATCCAGTCTTT
FmPDS1-sgRNA6-F	GGCACTGAACTTCATTAACCC
FmPDS1-sgRNA6-R	ATGGCAACTCACAGACAACACT
FmPDS2-sgRNA4-F	TCCCCTTTGAAGGTATGGC
FmPDS2-sgRNA4-R	TTCCCCTGGCTTGTTTGG
FmPDS2-sgRNA6-F	GAAGAAGCAAGACCAAATCG
FmPDS2-sgRNA6-R	CAGAACAGGGGTGGAGACA
DL-dna-FmPDS1-sgRNA4-F	AAGTACTTGGCAGATGCAGG
DL-dna-FmPDS1-sgRNA4-R	CAGTCTCATACCAGTCTCCATC
DL-dna-FmPDS1-sgRNA6-F	GAAGCATGGTTCAAAGATGGC
DL-dna-FmPDS1-sgRNA6-R	CATCTCCTTCAATCGTACTCCC
DL-dna-FmPDS2-sgRNA4-F	GTTTGGCTGGTTTGTCTACTG
DL-dna-FmPDS2-sgRNA4-R	CACAACGAGGGACAAATTCAG
DL-dna-FmPDS2-sgRNA6-F	CACCAGAAAGACTTTGCATGC
DL-dna-FmPDS2-sgRNA6-R	ATCTCCTTCTACCGTACTCCC