Table S5. Details of primer design and gRNA synthesis for the study.

Primer species and their final concentrations

Name	Final concentration
gRNA_primer	500 nM
T25-long	10 µM
BS6	500 nM
BS7	500 nM

PCR reaction to produce double stranded DNA template

Reagents	Volume
gRNA_primer	2 µl
BS6	2 µl
T25-long	5 µl
BS7	5 µl
dNTP Mix(10mM)	1 µl
10*PCR Buffer	5 µl
rTaq	1 µl
Nuclease free Water	29 µl

PCR Setting

Step	Temperature (°C)	Time (min)
Step 1 Denature	95 °C	1 min
Step 2 Denature	95 °C	10 s
Step 3 Anneal	59 °C	10 s
Step 4 Elongation	72 °C	10 s
	From step 2- step 4 40 cycles	
Step 5 Elongation	72 °C	30 s
Preservation	4 °C	Forever