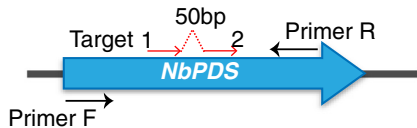
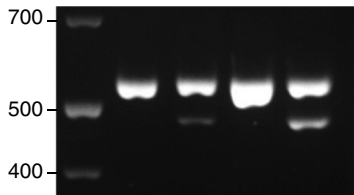


A



B

Lane	1	2	3	4
sgRNA1	-	+	-	+
sgRNA2	-	+	-	+
Cas9	+	+	+	+



C

	Target 1	PAM	Target 2	PAM	
PDS	TTCTGCCGTTAATTTGAGAGT	-CCA	AGGTAATTCAGCTTATCTTTGGAGCTCGAGGTC	TTTCGTTGGGAACTGAAA	GTCAAGATGTTTGCTTGCAAAGGAATT
m1	TTCTGCCGTTAATTT	-	-	-	-CAAAGGAATT -76
m2	TTCTGCCGTTAATTTGAGAGT	-	-	-	-CAAAGGAATT -70
m3	TTCTGCCGTTAATTTGAGAGT	-	-	-	-CAAAGGAATT -70 +1 T