CRISPR Nickase	Nicking strand	Rebase Motif	PAM side	Spacer length	Example sequence
SpCas9 D10A	Opposite	(3)NGG	3'	20nt	TGCTTGCAAACTCTCGCTCTNCC PAM 3' ACGAACGTTTGAGAGCGAGAA Spacer 5' ACGAACGUUUGAGAGCGAGA gRNA 5' TGCTTGCAAACTCTCGCTCTNCC
SpCas9 H840A	Original	(3)NGG	3'	20nt	Cut site Protospacer ACGAACGTTTGAGAGCGAGANGG Spacer Spacer TGCTTGCAAACTCTCGCTCTNCC Cut site PAM Protospacer 3' dsDNA Spacer TGCTTGCAAACTCTCGCTCTNCC