

Nuclease	Target	Rebase Motif	PAM side	Spacer length	Example sequence
SpCas9	DNA	(3 / 3) NGG	3'	20nt	<p>5' ACGAACGTTTGAGAGCGAGANGG 3' dsDNA</p> <p>3' TGCTTGCAAACCTCTCGCTCTNCC 5' dsDNA</p> <p>Protospacer</p> <p>Spacer</p> <p>PAM site</p> <p>PAM</p> <p>Cut site</p> <p>gRNA</p>
AsCas12a	DNA	TTTV (18 / 23)	5'	23nt	<p>5' TTTVGGCTTGCAAACCTCTCGCTCTACA 3' dsDNA</p> <p>3' AAABCCGAACGTTTGAGAGCGAGATGT 5' dsDNA</p> <p>PAM site</p> <p>PAM</p> <p>Cut site</p> <p>gRNA</p>
CasRx	RNA	N	3'	23nt	<p>5' CCGGCUUGCAAACUCUCGCUCUAN 3' ssRNA</p> <p>gRNA 3' GGCCGAACGUUUGAGAGCGAGAU 5'</p> <p>Protospacer</p> <p>PFS site</p> <p>PFS</p> <p>Spacer</p>