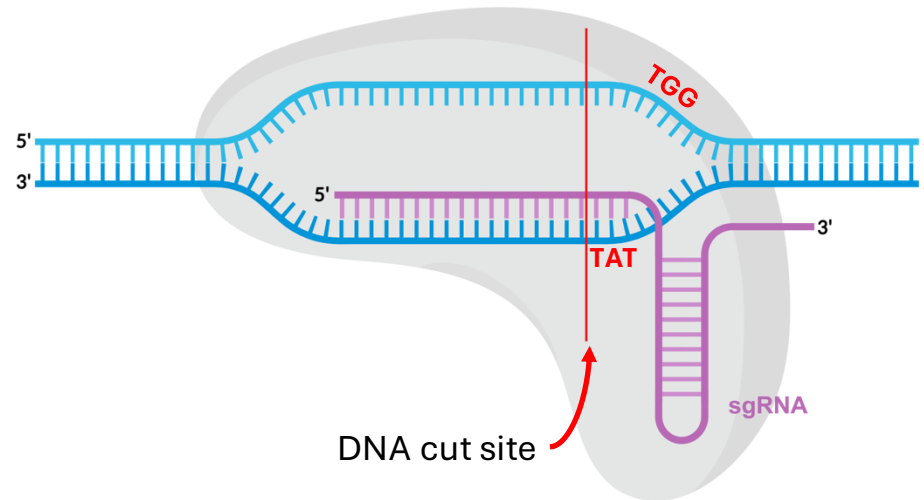


Mechanism of CRISPR



5' CATCCAGCTGGTGGATGTGTTATACAACGAAGAGAAGCAGAAAATGTATATGGTGGATGGAGTA 3'
 3' GTAGGTCGACCACCTACACAATATGTTGCTTCTCTTCGTCTTTTACATATACCACTACCTCAT 5'
 5' CATCCAGCT **TGGTGG** ATGTGTTATACAACGAAGAGAAGCAGAAAATGTATA **TGG** TGA **TGG** AGTA 3'
 5'-CGAAGAGAAGCAGAAAUGUAUA-3'
 3' GTA **GGT** CGACCACCTACACAATATGTTGCTTCTCTTCGTCTTTTACATATACCACTACCTCAT 5'

PAM: **NGG** (N=any nucleotide)

Guide RNA sequence: 5' **CGAAGAGAAGCAGAAAUGUAUA** -3'

DNA cut site