

<p>mVenus zoom in into the DNA region of interest</p> <p>...cacag<b>taatac</b>gactcactataggg<b>gaattgtgagcggataacaat</b>cccctctagaataattttgttaactttaagaaggagatatacat<b>ATG</b>AGCAAAGGC  GAAGAACTGTTACGGGTGTGGTT<b>CCG</b><b>ATCCTGGTTGAACTGG</b>ATGGCGATGTGA...</p>
<p>mVenus-sgRNA</p> <p><b>GGGCCAUCCAGUUCAACCAGGAU</b>GUUUUAAGAGCUAUGCUGGAAACAGCAUAGCAAGUUUAAAUAAGGCUAGUCC  GUUAUCAACUUGAAAAAGUGGCACCGAGUCGGUCGUUUUUUUACACUGUCUGCAGUCCGGACACGCACC</p>
<p>mVenus anti-sgRNA(42)</p> <p><b>GGG</b>AUUUCCAGCAUAGCUCUUA AAC<b>AUCCUGGUUGAACUGGAUGG</b>CCACACUGUCUGCAGUCCGGACACGCAC  CAG</p>
<p>mVenus anti-sgRNA(56)</p> <p><b>GGG</b>CACUUUUUCAAGUUGAU AACGACUUGC UAUGCUGUUUCCAGCAUAGCUCUUA AAC<b>AUCCUGGUUGAACUG</b>  <b>GAUGG</b>CCACACUGUCUGCAGUCCGGACACGCACC</p>

T7pol promoter and transcription start (GGG), pLacO, target site, dCas9handle, artificial terminator, **bold**: PAM site