

Primers	Sequence (5'- 3') ^a
<i>cas1</i> -up-F	5'AAA <u>ACGCGT</u> ATGTCTTTACCCCACTCCTTA3'
<i>cas1</i> -up-R	5'AGA <u>ACTGCAGT</u> AGCATATTTCTTTTGACGTAAA3'
<i>cas1</i> -dn-F	5'AGA <u>ACTGCAGG</u> TAAAGTTGGCATCAAGTATCAGG3'
<i>cas1</i> -dn-R	5'AAG <u>CGTCGACG</u> CAAACCCCTTCTGTACTGGC3'
<i>cas1</i> flankP-F	5'ACAACACCCTACCTCCCTC3'
<i>cas1</i> flankP-R	5'TTTTACGTGAAATGCTATTTCACTAA3'
<i>cas3</i> '+3" ² -up-F	5'AAA <u>ACGCGT</u> AGTGTGTTGAACGGAAATGTG3'
<i>cas3</i> '+3" ² -up-R	5'AGA <u>ACTGCAGG</u> TAAACAGTGGGAGCCTTAA3'
<i>cas3</i> '+3" ² -dn-F	5'AGA <u>ACTGCAGG</u> GAAAGTAAAACCAGATTTGTTCC3'
<i>cas3</i> '+3" ² -dn-R	5' AAG <u>CGTCGACT</u> ATTGGCGAAATATAGCAAGT3'
<i>cas3</i> '+3" ² flankP-F	5'TCGAAGGGTTGACTCTGCAA3'
<i>cas3</i> '+3" ² flankP-R	5'TTGAACCGAGATGGGATATAAA3'
<i>cas6</i> -up-F	5'AAA <u>ACGCGT</u> AAGTGGAAATAGACGATGAAGAG3'
<i>cas6</i> -up-R	5'AGA <u>ACTGCAGAT</u> ACCCTATCTTGAAAATTAATGG3'
<i>cas6</i> -dn-F	5'AGA <u>ACTGCAGAA</u> AGGTTAAGGTCCAGCATAA3'
<i>cas6</i> -dn-R	5'AAG <u>CGTCGACAT</u> ATCTCGTTTCTGGTATAATCTTT3'
<i>cas6</i> flankP-F	5'ATTACACTTTTGATGACTACCACG3'
<i>cas6</i> flankP-R	5'GTTTTTGTCTAAACTAGGCAAT3'
CRISPR1-up-F	5'AAA <u>ACGCGT</u> GCACCAAATATCGTCAACT3'
CRISPR1-up-R	5'AGA <u>ACTGCAGT</u> ATACTATATTCTATGACTTGTTTGA3'
CRISPR1-dn-F	5'AGA <u>ACTGCAGCT</u> CAGAATTCTAGGCTAATCCCT3'
CRISPR1-dn-R	5'AAG <u>CGTCGAC</u> ACTAGCATATTTCTTTTGACGTAAA3'
CRISPR1 flankP-F	5'CCCATCTACTATCAATACTCTCA3'
CRISPR1 flankP-R	5'CACCGTATCTAATGTCCTTTT3'
CRISPR2-up-F	5'AAA <u>ACGCGT</u> TCTTACACGACAAACAGATGCAA3'
CRISPR2-up-R	5'AGA <u>ACTGCAGA</u> ACAACCTCCCTCAGCTACAAGC3'
CRISPR2-dn-F	5'AGA <u>ACTGCAGT</u> ACTATAATGTAAGTTAGATTTTATAAG3'
CRISPR2-dn-R	5'AAG <u>CGTCGACG</u> TGGTCAGTTTATTGGACTC3'
CRISPR2 flankP-F	5'GTTGGTTCGGTCAAATAAAAT3'
CRISPR2 flankP-R	5'TACCCATCTGTACAATCCTTTG3'
SSV9F	5'GTGAAGCGACCAACATAGGTGCAA3'
SSV9R	5'GTTGCGTTTGTACCGTTACGCTA3'