

| primer name | sequence | use |
|-------------------------|---|--|
| SaCas9_pET32_F: | GACGACGACAAGATGCCGAAGAAAAAGCGCAAGGTCGAAGCGTCCATGAAAAGG | cloning SaCas9 into pET |
| SaCas9_pET32_R: | GAGGAGAAGCCCGTTAGCCCTTTTGATAATCTGAGGGTGCTTTTGCTCTCAC | cloning SaCas9 into pET |
| SaCas9_sgRNA_F | GAGAATTGTAATACGACTCACTATAGGGAGAXXXXXXXXXXXXXXXXXXXXXGTTTAGTACTCTGTAATTTTAGGTATGAGGTAGACGAAAATTGTA | sgRNA for SaCas9 |
| SaCas9_sgRNA_R | AAAAAATCTCGCCAACAAGTTGACGAGAT | sgRNA for SaCas9 |
| SaCas9_scaff_F: | GTTTTAGTACTCTGTAATTTAGGTATGAGGTAGACGAAAATTGACTTATACCTAAAATTACAGAACTACTAAAACAAGGCAAAATGCCGTGTTTA | sgRNA scaffold |
| SaCas9_scaff_R: | AAAAAATCTCGCCAACAAGTTGACGAGATAAACACGGCATTTCCTGTTTGTAGTAGATTCTGTAATTTTAGGTATAAGTACAATTTTCGTCT | sgRNA scaffold |
| Forward primer (M13) | TGTA AACGACGGCCAGT | test for insertion of M13 from repair template |
| Tc Galf reverse primer | GACCGTGAAGTCTTCCAA | test for Galf mutant and WT allele |
| TcWTGalf forward primer | TGATTCATTTGTAATGACGTTCTT | test for Galf WT allele |
| TcCRT reverse primer | GTCATCCATCGTCTCCTCGT | test for CRT mutant and WT allele |
| TcCRT forward primer | AAGAGCAAAGGTCTCCGTCTGACG | test for CRT WT allele |