Table S1. PCR primers for sequencing CRISPR-Cas9 off-target sites.

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| --- | --- |
| **Primer Sequences (5’-3’)** | **Amplicon Size (bp)** |
| F1-TGCTAGGATGCCACTAAGCTGT | 438 |
| R1-TGGGAGCAGCTCACTTCTCT |
| F2-ATGGGTTAGAGCAACCAGTGAATTA | 401 |
| R2-ACTGTAACCCTCTACTTCTGTAGGC |
| F3-ATGAGAATCAGGTGGGCGTCT | 438 |
| R3-CTGAGGGGCTGACAACACTGA |
| F4-TACAACCACTGAACCAGACCCTA | 402 |
| R4-CACTGACCCCAATGCTTCCA |
| F5-GTCTTCAGTTCTCTCTCTGAAGCA | 419 |
| R5-CGTTGGTCCATGAGCCAAGATG |
| F6-CTGTGCTCTATTCTGTGAGCCAAA | 464 |
| R6-TGTGCCTTAGAAGCAGTCCAACA |
| F7-AGGCTCATTTGGCGTGCTTT | 407 |
| R7-GCTCCCAGCCCTTTGTCCA |
| F8-GAGCAAAGGCCTTGTCCTATTCA | 401 |
| R8-ACATGCAAAAGTGTGCTCCCAA |
| F9-TGTCTGGTCCTTTGCGTACCAT | 416 |
| R9-AAGGGCCTTGACAAACAGGTCA |
| F10-CACACCCAATCCGACATGCTG | 411 |
| R10-GGCACAAACAAAAGGGAGGGAAA |

Note: annealing temperature used for PCR was 61°C for all primer pairs.