**Table S2 | List of primers used to construct SpyCas9D861A and SpyCas9N863A**

|  |  |  |
| --- | --- | --- |
| **Construct** | **Mutagenic primers** | **Method** |
| SpyCas9D861A | 5′-ACGCGTTCTGCAAAAAATCGTGGTAAATCGGATAACGTTCCA-3′  5′-ACGATTTTTTGCAGAACGCGTTAAGACCTTATTGTCTATTGA-3′ | SLIC (Ref. (***Scholz et al., 2013***) |
| SpyCas9N863A | 5′-TCTGATAAAGCGCGTGGTAAATCGGATAACGTTCCAAGTGAA-3′  5′-TTTACCACGCGCTTTATCAGAACGCGTTAAGACCTTATTGTC-3′ | SLIC (Ref. (***Scholz et al., 2013***) |
| Non-target strand  (NT) | 5′-ATCCTGCGCTGGTTGATTTCTTCTTGCGCTTTTTGGGGAATTCA  CTGGCCGTCG -3′ | N/A |
| Target strand (T) | 5’-CGACGGCCAGTGAATTCCCCAAAAAGCGCAAGAAGAAATCAA  CCAGCGCAGGAT -3′ | N/A |

Ref.: Scholz J, Besir H, Strasser C, and Suppmann S. 2013. A new method to customize protein expression vectors for fast, efficient and background free parallel cloning. *BMC Biotechnol* **13**: 12.