**Supplementary File 6: Primers used in this study for SagA mutagenesis.**

|  |  |  |
| --- | --- | --- |
| Mutation | Primer Name | Sequence (5’ to 3’) |
| C431A | oSK479 | TCCAAGTGGATTTGACGCCTCAGGATTCACACGCTATGTTTACTTGCAAGTAACTGG |
| oSK480 | TCTTTACCGCCCCAAACATAAGGAGTACCAATATATTTG |