**Table S1.** Primers used in site-directed mutagenesis

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| --- | --- |
| Primer name | Sequence (5'-3') |
| F-82-148 (0)\_sdm | ggAAgAggCAgCACTCTCggTCTggACATCgAGACAgC |
| R-82-148 (0)\_ sdm | gAgAgTgCTgCCTCTTCCCCTTAgggATTTCTgATCTCggCgAAgC |
| F-82-148 (1)\_sdm | CTAAgAggAAgAggCAgCACTCTCggTCTggACATCgAg |
| R-82-148 (1)\_sdm | gCTgCCTCTTCCTCTTAgggACTTCTgATCTCggCgAAgC |
| F-497-564 (0)\_sdm | AATgCAATTggggTCCTCATCggAggACTTgAATggAATgATAAC |
| R-497-564 (0)\_sdm | gAggACCCCAATTgCATTTTTgACATCCTCATTAgTATgTCCTgg |
| F-497-564 (1)\_sdm | TgCAATTggCgTCCTCATCggAggACTTgAATggAATg |
| R-497-564 (1)\_sdm | gAggACgCCAATTgCATTTTTgACATCCTCACCAgTATgTCCTgg |

Introduced mutations are highlighted with green.