

Table S2 Oligomers and primers for Ssa1- construction

| Oligomer/primer | Sequence |
|-------------------------------------|---|
| guide-RNA oligos F | 5'-ATTTGAAAATGAGCAACACAAGAATG-3' |
| guide-RNA oligos R | 5'-AAAACATTCTTGTGTTGCTCATTTTC-3' |
| Repair template primer upstream F | 5'-CTCTTTCTAGTTTATTCCAATG-3' |
| Repair template primer upstream R | 5'-AATGAGCAACACAAGAAT TC AGGTTGT-3' |
| Repair template primer downstream F | 5'-ATTGATTTAGGTACAACCT GAATT CTTG-3' |
| Repair template primer downstream R | 5'-AAATGGGAAATGTTTAGCATCA-3' |
| Checking primer F | 5'-GTACCACCACCCAAATCG-3' |
| Checking primer R | 5'-CCTTAAATCACCTTTTCAACAATTTTCC-3' |
| Sequencing F | 5'-TATTCTATTCTATTTCTTCTTTAC-3' |
| Sequencing R | 5'-GGATCATCAAATTTTCTCCCAA-3' |

Underlines: EcoRI recognition site in repair template

Bold font: Stop codon