**Supplementary File 4. Plasmids used in this study.**

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| Plasmid | Description | Source |
| pET21a | backbone used for assembling deletion constructs | lab stock |
| pAM401 | backbone for plasmids to be transformed into *E. faecium* | lab stock |
| pRecT | recombinase-harboring plasmid used to facilitate *E. faecium* deletions | Chen V et al.20 |
| p*sagA* | pAM401-based plasmid that contains *sagA* under the control of its native promoter | Espinosa J et al.21 |
| pSK060 | modified p*sagA* that swaps a cmR cassette for an ermR cassette (referred to in the main text, and in the plasmids below as “p*sagA*”) | this work |
| pSK069 | pAM401 with ermR empty vector | this work |
| pSK071 | p*sagAC443A* | this work |
| pSK104 | p*sagA(v2)* (referred to as “p*sagA*” in the main text) | this work |