

S1 Table. Oligonucleotide primers used for cloning and sequencing in the current study.

Primer Name	Primer Sequence 5'→3'	Description
<i>cpe</i> -RD-F/R	(F) ATG ATG AAG AAA GCT GAT TCC GTC CCG ACC CCG GCT GAG ATT CCG GGG ATC CGT CGA CC (R) TCA TCG CCG GGC GGC TTC TCC GGC GCT CGC GCG GTC GTC TGT AGG CTG GAG CTG CTT C	Forward (F) and reverse (R) primers for introduction of <i>apra-oriT</i> cassette in place of <i>cpe</i> in cosmid 12B8 (ReDirect)
<i>cpe</i> -CONF-F/R	(F) CCG ACA AGG AGC GAT GAT GA (R) GGA TCA CAC CGA AGC CCA GT	Forward (F) and reverse (R) primers for confirming deletion of <i>cpe</i> in cosmid 12B8
pIJ773-R	TCG CTA TAA TGA CCC CGA AG	Sequencing primer used for confirming insertion of <i>apra-oriT</i> cassette in place of <i>cpe</i>
pWE15-amp-RD-F/R	(F) TGA TAA ATG CTT CAA TAA TAT TGA AAA AGG AAG AGT ATG ATT CCG GGG ATC CGT CGA CC (R) AATCTAAAG TAT ATA TGA GTA AAC TTG GTC TGA CAG TTA TGT AGG CTG GAG CTG CTT C	Forward (F) and reverse (R) primers for introduction of <i>hyg-oriT</i> cassette in place of <i>amp</i> in cosmid 12B8 (ReDirect)
pIJ799-F/R	(F) CCCTGATAATGCTTCAATAATATGAAAA (R) AAT CAA TCT AAA GTA TAT ATG AGT AAA CTT GGT C	Forward (F) and reverse (R) primers for confirming replacement of <i>amp</i> in cosmid 12B8
HygR-F/R	(F) CGC ATA GAC GTC GGT GAA GT (R) TAC CTG GTG ATG AGC CGG AT	Forward (F) and reverse (R) primers for confirming presence/absence of <i>hyg</i> in <i>cpe</i> mutants
<i>blip</i> -FLAG-F/R	(F) ATA CAT ATG AGG ACA GTG GGG ATC G (R) ATG GAT CCT CAC TTG TCG TCG TCG TCC TTG TAG TCT ACA AGG TCC CAC TGC CGC TTG	Forward (F) and reverse (R) primers for amplification of <i>blip</i> from <i>S. clavuligerus</i> with C-terminal FLAG tag
<i>ccaR</i> -FLAG-F/R	(F) TAC ATA TGA ACA CCT GGA ATG ATG TGA C (R) ATG GAT CCT CAC TTG TCG TCG TCG TCC TTG TAG TCG GCC GGG GTA CCG ACC	Forward (F) and reverse (R) primers for amplification of <i>ccaR</i> from <i>S. clavuligerus</i> with C-terminal FLAG tag
<i>cpe</i> -FLAG-F/R	(F) TAC ATA TGA TGA AGA AAG CTG ATT CCG TC (R) ATG GAT CCT CAC TTG TCG TCG TCG TCC TTG TAG TCT CGC CGG GCG GCT TC	Forward (F) and reverse (R) primers for amplification of <i>cpe</i> from <i>S. clavuligerus</i> with C-terminal FLAG tag
<i>cpe</i> -SC-F/R	(F) TAATA CAT ATG ATG AAG AAA GCT GAT TCC G (R) TGATA GGA TCC TCA TCG CCG GGC GGC TTC	Forward (F) and reverse (R) primers for amplification of <i>cpe</i> from <i>S. clavuligerus</i>
<i>cpe</i> -SF-F/R	(F) ATTACATATGA TCG ATC TAC CCG GTT CCG (R) TAATAAGCTTC ACCGGG AGG TGC CGG	Forward (F) and reverse (R) primers for amplification of <i>cpe</i> from <i>S. flavogriseus</i>
<i>cpe</i> -SV-F/R	(F) TATACATATGT TGA CCA CTA CCG AGA C (R) ACATAAGCTTC ACG GCA GCA ACG AGT G	Forward (F) and reverse (R) primers for amplification of <i>cpe</i> from <i>S. viridis</i>

S1 Table (Continued)		
<i>cpe</i> -SK-F/R	(F) ACTAGCATATG ATGATSRADVHWSCYGRT (R) TGCAA AAGCTT TCAWSDYSGGRNYSSHKN	Forward (F) and reverse (R) degenerate primers for amplification and cloning of <i>cpe</i> from <i>S. katsurahamanus</i>
<i>cpe</i> -SJ-F/R	(F) ACTAG CATATG ATGATSRADVHWSCYGRT (R) TGCAA AAGCTT TCAWSDYSGGRNYSSHKN	Forward (F) and reverse (R) degenerate primers for amplification and cloning of <i>cpe</i> from <i>S. jumonjinensis</i>
<i>cpe</i> ^{Ct} -F/R	(F) ATATCATATGATGGTCACGTGGAACGATGTC (R) ATATGGATCCTCATCGCCGGGCGGCTTC	Forward (F) and reverse (R) primers for amplification of the C-terminal domain of Cpe
<i>cpe</i> ^{Nt} -F/R	(F) ATAATCATATGATGATGAAGAAAGCTGATTC (R) ATATAGGATCCTCAGTCGGGTATGACGGTCTC	Forward (F) and reverse (R) primers for amplification of the N-terminal domain of Cpe