

Supplemental Material

Table S2. Allele sequences used for mutation and complementation in this work.

clpP^{Tag} (EcoRI-start-clpP(Δ2–9)-HIS₆-TEV-MYC₃ tag-stop-BamHI)

GGCCCGCGAATTCATGGCTTTAGTGCCTATGGTGATCGAACAGACTGCTAAAGGT
GAACGCTCATTGATATTTATTCTCGTTTGTAAAAGAGCGGATTATCTTTTTAGTGG
GCCAAGTAGAAGAGCATATGGCGAATCTGATTGTGGCGCAGTTACTATTCCTTGAG
TCAGAAAGCCCTGACAAGGATATTTTCTTATATATCAACTCACCTGGTGGCTCTGTT
ACCGCGGGTATGGCAATTTACGACACCATGCAGTTTATTAAGCCTAATGTGAGCAC
TGTGTGTATTGGCCAAGCGGCTAGCATGGGTGCATTTTTATTAGCGGGTGGTGAAA
AGGGCAAGCGTTTCTGCTTACCTAATTCGCGCGTTATGATCCATCAACCTTTGGGT
GGTTTCCAAGGTCAGGCTTCTGATATCGCGATTTCATGCTCAAGAGATTTTGGGCAT
TAAGAATAAACTGAACCAGATGTTAGCTGATCATACTGGACAACCCCTCGAAGTAA
TTGAGCGTGATACCGATCGTGACAACCTTCATGAGTGCTACTCAAGCTGTAGAATAT
GGTTTAGTTGACGCAGTGATGACTAAACGCGGCGATTCTATCTTAACTCACCGTAA
CCGTTCTCACCATCACCATCACCATGGTGGTGAAAACTTATACTTCCAAGGTGCAT
ACACCTCTGGCGAGCAAAGTTAATCTCTGAAGAAGATTTAAATGGAGAACAAAA
TTAATCTCTGAAGAAGATTTAAACGGTGAACAAAAATTAATCTCTGAGGAAGATCTG
AACTGAGGATCCGGCTC

clpP^{Trap} (EcoRI-start-clpP(Δ2–9,S106A)-HIS₆-TEV-MYC₃ tag-stop-BamHI)

GGCCCGCGAATTCATGGCTTTAGTGCCTATGGTGATCGAACAGACTGCTAAAGGT
GAACGCTCATTGATATTTATTCTCGTTTGTAAAAGAGCGGATTATCTTTTTAGTGG
GCCAAGTAGAAGAGCATATGGCGAATCTGATTGTGGCGCAGTTACTATTCCTTGAG
TCAGAAAGCCCTGACAAGGATATTTTCTTATATATCAACTCACCTGGTGGCTCTGTT
ACCGCGGGTATGGCAATTTACGACACCATGCAGTTTATTAAGCCTAATGTGAGCAC

TGTGTGTATTGGCCAAGCGGCTGCCATGGGTGCATTTTTATTAGCGGGTGGTGAAA
AGGGCAAGCGTTTCTGCTTACCTAATTCGCGCGTTATGATCCATCAACCTTTGGGT
GGTTTCCAAGGTCAGGCTTCTGATATCGCGATTCATGCTCAAGAGATTTTGGGCAT
TAAGAATAAACTGAACCAGATGTTAGCTGATCATACTGGACAACCCCTCGAAGTAA
TTGAGCGTGATACCGATCGTGACAACCTTCATGAGTGCTACTCAAGCTGTAGAATAT
GGTTTAGTTGACGCAGTGATGACTAAACGCGGCGGATTCTATCTTAACTCACCGTAA
CCGTTCTCACCATCACCATCACCATGGTGGTGAAAACTTATACTTCCAAGGTGCAT
ACACCTCTGGCGAGCAAAAGTTAATCTCTGAAGAAGATTTAAATGGAGAACAAAAA
TTAATCTCTGAAGAAGATTTAAACGGTGAACAAAAATTAATCTCTGAGGAAGATCTG
AACTGAGGATCCGGCTC