

**Table S4.** Oligonucleotide primers used in this study

<b>Primer</b>	<b>Sequence (5'-3')</b>
fwSpeI-PBP3	CGCTACTAGTATGAAAGCAGCGGCAAAAACGCAA
revSpeI-PBP3	CCCTACTAGTTTACGATCTGCCACCTGTTCCTCG
fwSpeI-PBP3*	CGCTACTAGTGTGAAAAAGAAAAGCGACGGCGATA
revPvuI-PBP3*	CCCTCGATCGTTACGAACCCGGAACCGCAACGTGG AAATCGAAACGCCAGGAAGAACAGACCAACTTCATCAGTT
KO STPBP3 FW	GGCGTTTTGCGTGTAGGCTGGAGCTGCTTC
KO STPBP3 RV	CCGCCCATGATGGCACCAAATACCGGCGCGGAAACGGCGC CGCCGTAGTAATTCCGGGGATCCGTCGACC
pbp3 flanking FW	GATCCGTCCCAAGAAAATATTGTAG
pbp3 flanking RV	AGCCACCCACGGAGCAAGAAGGTCG
pAC FW	CGGCCCTCATTCGTGCGCTCTAGGA
pAC-sec	CATAATGGGGAAGGCCATCCAG
KO PBP3* Fw	GGGCGCTAAAGGGCGCAAGTGTAACGCGAATTGCGCCCCG GGAAAATCCTGTGTAGGCTGGAGCTGCTTC
KO PBP3* Rv	CCGTTTCCCGTTAAATCAATCACCTGAAAAATGATTCGGCT GGAGATCAGATTCCGGGGATCCGTCGACC
FLAG-3*-FW	TCTGGTGATGCATGGCAGCCACGTTGCGGTTCCGGGTTCCG ACTACAAAGACCATGACGG
FLAG-3*-Rv	GGGCGCAAGTGTAACGCGAATTGCGCCCCGGGAAAATCCT CATATGAATATCCTCCTTAG
FLAG STM 1836 Fw	GGCAGCTTTGGTATCTACCGTCC
FL-3* FW	TGGCGCTGTGGACATATAACG
FL-3* RV	GCCTCAGATATAAAGCCTCGCT