

S1 Table. Primers used for cloning and validation.

Primer	Sequence (5' to 3')	Mutant strain or plasmid
Primers used for the validation of <i>pbp</i> disruption		
BID-PBP1aUpNcoI	aaccATGgTGGTTAATGCTG	BLD001
BID-PBP1aDownSacI	agagctcATTTAGCCACCATTAGC	
BID-PBP1bUpNcoI	aaccATGgAAAAAGACTCAATTG	BLD002
BID-PBP1bDownSacI	agagctcTTAGTTACTTTTTGATGAGG	
BID-PBP2aUpPciI	aaaaaacATGtCTGAAAATAAG	BLD003
BID-PBP2aDownSacI	agagctcTTAGTTGCCAAAAACC	
BID-PBP2bUpNcoI	aaccATGgCAGTTAATAAAAAG	BLD004
BID-PBP2bDownXbaI	atctagaTTAATTTGTTTCGAAAAGC	
BID-DacAUpNcoI	aaccATGgAAAAAATTGCAATTATTTTTTG	BLD006
BID-DacADownSacI	agagctcTTAGAGTTTTTCATTAAC	
Primers used for the construction of expression vectors		
BID-PBP2bUpNcoI	aaccATGgCAGTTAATAAAAAG	pGIBLD027
BID-PBP2bDownXbaI	atctagaTTAATTTGTTTCGAAAAGC	
PBP2B*Up	AGGGgCTGTTGTGAAAATGGGAACATTG	pGIBLD0271
PBP2B*Down	CCATTTTCACAACAGcCCCTGGCGTAAAGAC	
MBO-FtsZUp4X4	ATATAC <u>ATGTGGCC</u> ATGGAATTTTCATTTGATACAGACTTA	pGIBLD031
MBO-FtsZDown4X4	<u>ATCTAGAT</u> AGATTAATTTTACGGAAGAATGGTGG	
BID-PBP2bUp4X4	ATATAC <u>ATGTGGCC</u> ATGGCAGTTAATAAAAAGAAAAAAC	pGIBLD041
BID-PBP2bDown4X4	<u>ATCTAGA</u> ATTTGTTTCGAAAAGCTTCGTT	
Primers used for the validation of the acquisition of expression vectors		
MBO-4X4UpOI1	TTTGTTAGATACAATGATTTTCG	pNZ8048 and derivatives
MBO-4X4DownOI2	TCAAGCCTTGGTTTTCTAATTTTGG	

^a Underlined sequences correspond to restriction enzymes sites.