

Table S3 PCR Primers used in this study.

Genes	Name	Primer sequence	RE*	Note
<i>besA</i> BBA_08222	U1	CGGGATCCCCGACCTGCAACCTAGTTTTT	BamH I	Gene deletion
	U2	CGGGATCCACTGACATGTCCCCTGAGTT		
	L1	GGA CTAGTCGATGTCTGCTTTTCATACG	Spe I	
	L2	GGA CTAGTAGTCATCATCAATCACGAC		
	F	CTCCCTTTCTATGGCGAATA		
R	TCTGAAAGGTCATGATGGTG	PCR verification		
<i>besB</i> BBA_08219	U1	CGGGATCCAGATGGAAGTGGCTTTCTTG	BamH I	Gene deletion
	U2	CGGGATCCTGCTTCAGAAACCTGACAGA	Spe I	
	L1	GGA CTAGTAGTCGACAACCTCATCCCAAT		
	L2	GGA CTAGTCGCCCAAAAAAGTAACAAACT		
	F	GCGTCTACAACAACATGAGC	PCR verification	
R	TGTTGTGCATTTTCAGATCC			
<i>besC</i> BBA_08220	U1	CGGAATTCGACTCGTTGCTTTGTCTGTC	EcoR I	Gene deletion
	U2	CGGGATCCCCGAGCACAAAGATTGGCATAG	BamH I	
	L1	GGA CTAGTAGTGACGCTGTGCATTTTAC	Spe I	
	L2	GGA CTAGTGCAACTGTACTTCGAAACCC		
	F	CTTTTCTCGGGCTCATTGTG		
R	CTGTCACGACTAGATCAGGG			
<i>besD</i> BBA_08221	U1	GGA CTAGTTGCGAGGACTAAGAACAGAC	Spe I	Gene deletion
	U2	GGA CTAGTATCAAGGTCAAGGTGAGTGG	BamH I	
	L1	CGGGATCCGTGGA ACTATGGGATGCAGA		
	L2	CGGAATTCACACTAGCTGACACCTCATG		
	F	TAGAGTCATCGTTGGTCAGC	PCR verification	
R	TGGATGAAAATGCAACGACC			
<i>BrbesA</i> BBO_00138	U1	GCTTGATATCGAATTGTTGGCTTGCTCGGTAAGAG	EcoR I	Fusion PCR for gene deletion
	U2	CGGGCTGCAGGAATTGTGGAACGATACTCGGCACT	Spe I	
	L1	GATCTGATGAACTAGTGGGAGATCCATCAGGTAGG		
	L2	CCGCTCTAGAACTAGCTACATATCCGCTGCTGCAA		
	F	CTCTCAACGAAAAGGGTTTCG	PCR verification	
R	ACACGCTTCTGCACCAACTT			
<i>BrbesB</i> BBO_00141	U1	GCTTGATATCGAATTATTCGTAAGCCCCCTTGT	EcoR I	Fusion PCR for gene deletion
	U2	CGGGCTGCAGGAATTGCAGTCTATATGGGGCGAGA	Spe I	
	L1	GATCTGATGAACTAGGAAGCAAAGGTGAGCCACTC		
	L2	CCGCTCTAGAACTAGCTGGCTGCACTGATGAAAAA		
	F	GGTGTACTTCAGCCGTATCCA	PCR verification	
R	CATTAGGCGAGCCCTATGAG			
<i>CmbesA</i> CCM_01285	U1	GCTTGATATCGAATTGAATCCGACTCCTTGGTTGA	EcoR I	Fusion PCR for gene deletion
	U2	CGGGCTGCAGGAATTCTAGGGCGACGAAAGACTTG	Spe I	
	L1	GATCTGATGAACTAGCACGACAGGTAGAGCAACGA		
	L2	CCGCTCTAGAACTAGCTTTTCGAAACACGTGCAGA		
	F	ACGGATGAGAACGAGCAAGT	PCR verification	
R	TGAGCGTCTCAAAAATCGTTG			
<i>CmbesB</i> CCM_01282	U1	GCTTGATATCGAATTGCTCCGCTGATGAAAAAGAC	EcoR I	Fusion PCR for gene deletion
	U2	CGGGCTGCAGGAATTCTTTCCAGCTCCAAA ACTGC	Spe I	
	L1	GATCTGATGAACTAGCGCACAGTTTGAGTTGGAAA		
	L2	CCGCTCTAGAACTAGGGGGAGAATACTCCGGGTA		
	F	CTAGAAGAAGGCGGTGTTGG	PCR verification	
R	GGATATTGATCAGCCGCACT			
<i>CmbesD</i> CCM_01284	Dfus-F	TTTTAATCAATAACAATGATCTTTTCATCGCCAGC		Fusion PCR for gene complementation of $\Delta besD$
	Dfus-R	CACGTCGACGGATCCTCAATTCGATGCCGCTTTCT		

*RE, restriction enzyme.