

Supplementary Table 1. Primers used in this study

Primers	Nucleotide sequences (5' to 3')	Purpose
Derived from the pBHR4 plasmid sequence		
Trap-F	AAGGAGCTCAGATCTACTAGTATGGTGTCG AAGGG	Amplification of eGFP gene and construction of promoterless- <i>gfp</i> plasmid
Trap-R	TCTAGAGGATCCCCGGGTAC	Amplification of eGFP gene and construction of promoterless- <i>gfp</i> plasmid
Derived from the <i>B. pseudomallei</i> genome		
23S-F	TTTCCCGCTTAG ATG CTTT	qPCR Normalization
23S-R	AAAGGTACTCTGGGGATAA	qPCR Normalization
<i>cydB</i> -F	GATCCGAAGAGCAGCC	qPCR Normalization
<i>cydB</i> -R	CAGCCCGTGTAGAGCAG	qPCR Normalization
<i>bpsl0007</i> -F	AACGCGTTCAATCAGGG	qPCR
<i>bpsl0007</i> -R	TCAGATTGACGATGCTGTTG	qPCR
<i>bpsl0125</i> -F	CTTTGGAACTACGAGCCG	qPCR
<i>bpsl0125</i> -R	GAGCTCGAGAATGTGGC	qPCR
<i>bpsl0346</i> -F	GCTGCGAAATTCTGATTGT	qPCR
<i>bpsl0346</i> -R	CGAACAGGAAGCGATTTTC	qPCR
<i>bpsl0479</i> -F	GAACGACGACAACAACCTGC	qPCR
<i>bpsl0479</i> -R	ACGTGCCTTCTTCGAGATACC	qPCR
<i>bpsl1534</i> -F	CGTGCATCAACAAGTTCTAC	qPCR
<i>bpsl1534</i> -R	TTCGGACGAAGAAACGAAAA	qPCR
<i>bpsl2987</i> -F	CAAGGTGCTGAACATCGT	qPCR
<i>bpsl2987</i> -R	TACGTCACCTTGTCGTTTTC	qPCR
<i>bpsl3338</i> -F	GGCTCAGATCGTCGGAGAGA	qPCR
<i>bpsl3338</i> -R	GGCGGGTTCACCAATGTCTA	qPCR
<i>bps0547</i> -F	CCCTTCTTCTCGCAATCGCT	qPCR
<i>bps0547</i> -R	GTA CTGGAGCGCGTTGAACC	qPCR
<i>bps0769</i> -F	AGCACCGGATAGAGCAG	qPCR
<i>bps0769</i> -R	CACATCGAGCTCGGTAAC	qPCR
<i>bps1039</i> -F	ATTGCTGATCAGGTTGCTG	qPCR
<i>bps1039</i> -R	CCAGTTCTCGTCGAATCTC	qPCR
<i>bps1268</i> -F	CCTGATACTCGCCCTGCC	qPCR
<i>bps1268</i> -R	CTGGCTCAAGCACATGAAGG	qPCR
<i>bps1442</i> -F	CTGGCTCAAGCACATGAAGG	qPCR
<i>bps1442</i> -R	CATCGGGTAATGGCAGGTCT	qPCR
<i>bps1498</i> -F	TCAAGGTCAAAGGAAAAAC	qPCR
<i>bps1498</i> -R	AAGGCGAGGATGTGGAT	qPCR
<i>bps1835</i> -F	AGGACGTGAAGAAAATCGTC	qPCR
<i>bps1835</i> -R	TGTCGTCCATAGTTGTCTTC	qPCR
For deletion mutagenesis study		

Primers	Nucleotide sequences (5' to 3')	Purpose
US1622-F	ATATATACTAGTACGAAGTCGAGCGCGGTG	Amplify 400 bp upstream gene of <i>bpss1622</i> and merodiploid selection
US1622-R	ATATATGGGCCCGGTGTGCGCTCCGTGTC	
DS1622-F	ATATATGGGCCCCGAGGAGCTCCGCATGAA CA	Amplify 400 bp downstream gene of <i>bpss1622</i> and merodiploid selection
DS1622-R	ATATATTCTAGAGTCCTTCGTCGACGTGACG A	
BPSS1622-F0	ATGGCCGAAGAGAAAACCGAAGA	Δ <i>bpss1622</i> mutant selection
BPSS1622-R0	TCACTGGTTCTTCATCAGCGAGC	
US2104-F	ATATATACTAGTACCGCAGCGTGATCGTG	Amplify 400 bp upstream gene of <i>bpss2104</i> and merodiploid selection
US2104-R	ATATATTCTAGAGCTCAGGGCGCCTCCTTC	
DS2104-F	ATATATTCTAGAGCACGATGCAGACGACGC	Amplify 400 bp downstream gene of <i>bpss2104</i> and merodiploid selection
DS2104-R	ATATATGCATGCCGGATCGCATCGAGCAGC	
BPSS2104-F0	CCGCGCGTCGCGAAGTT	Δ <i>bpss2104</i> mutant selection
BPSS2104-R0	GCACGAGCCGCACCTTCG	