

Table S1. Primers used in this study

Primer name	Primer sequence (5' to 3')	Target or goal
<i>aphB</i> 1	AGTACGCGTCACTAGTGGGGCCCTTCTAGAGCCTGATACCACGATAAGCGGCATA	
<i>aphB</i> 2	GTTTTCGTATCTAAATTTCCAGACACATTAATACCG	
<i>aphB</i> 3	AATGTGTCTGGAAATTTAGATAGCGAAAACAAAACCAGAGCC	<i>aphB</i> deletion mutant
<i>aphB</i> 4	TAACAATTTGTGGAATCCCGGGAGAGCTCATTGATATGCCAAGTGCTACAGAG	
<i>aphB</i> outF	TCGCCTGAGATAGGTGCTCATAAT	
<i>aphB</i> outR	CAGATTATTGAGATGGCTCGTGATT	
<i>aphB</i> -Flag-F	CCATACCCGTTTTTTTGGGCTAGCGAATTCACAGGAGGAATTAACCATGAAATTAGATGACTTAAACCTG	<i>aphB</i> expressed in pBAD33-mob
<i>aphB</i> -Flag-R1	TCGTCGTCCTTGATGCTGAGCCACCGCCACCGTGAATGTTATAAGCGATC	
<i>aphB</i> -Flag-R2	GGTCAGCATGGGTACCTTCTCCTCTTAACTTGTGCTGCTGCTCCTTGTAGTCTGA	
<i>aphB</i> -Flag2-F	CCATACCCGTTTTTTTGGGCTAGCGAATTCACAGGAGGAATTAACCCCTGAGTGTGGAAGCGCTT	
pBAD33mob-C'Flag-R	CTTGCATGCTGCAGGTCGATTACTTGTGCTGCTGCTCCTTGTAGTCTGA	
<i>aphBp</i> E'28a-F	ACTTTAAGAAGGAGATATACATGAAATTAGATGACTTAAACCTGTTTCG	AphB expression
<i>aphBp</i> E'28a-R	GGTGCTCGAGTGC GGCCGCGTGTATGTATAAGCGATCACAAGTCAA	
$P_{luxR}\Delta$ RBSII-F	AGTCGCACGCAAACGATCACCTAAT	$P_{luxR}\Delta$ RBSII
$P_{luxR}\Delta$ RBSII-R	GCAGTGATGAGTGAATGGTGCATA	
$P_{luxR}\Delta$ RBSI-F	ACATCTGTAGAACAATTTGAACTTTATAAACTAAGACCTTCT	$P_{luxR}\Delta$ RBSI
$P_{luxR}\Delta$ RBSI-R	AGTTTATAAAGTCAAATTTGTTCTACAGATGTTGACCTT	
$P_{luxR}\Delta$ ABS-1	AGTCGCACGCAAACGATCACCTAATCTTTTGAAAGTCGCATCCTGTTGCC	$P_{luxR}\Delta$ ABS
$P_{luxR}\Delta$ ABS-2	GATCACCTAATCTTTTGAAAGTCGCATCCTGTTGCC	
$P_{luxR}\Delta$ BBS-1	ATTTATATACAGTAAATTTAGCTATGAACCTTATAAACT	$P_{luxR}\Delta$ BBS
$P_{luxR}\Delta$ BBS-2	AGTTCATAGCTAAATTTACTGTATATAAATGTTCTACAG	
$P_{aphB}\Delta$ BBS-F	CTGGAAATATGAAATTAGTTACGGTTAATTTATAATTAAC	$P_{aphB}\Delta$ BBS
$P_{aphB}\Delta$ BBS-R	CCAGTCGAAACAGGTTAAGTCATCTGGAAATATGAAATTAG	
P_{asp} BBSI-1	AATCCATTCAGCATAGCAATCGATTAATGGGTGATATTAGAATAATTA	P_{asp} BBSI
P_{asp} BBSI-2	AAATGGGTGATATTAGAATAATTATAATTGCTTTATAAGGTTTTGTAGA	
P_{asp} BBSII-1	AGAGCAAAAATGCCATTTGTACAAAAGATCATTCAATAAACAC	P_{asp} BBSII
P_{asp} BBSII-2	GATCTTTGTACAAAATGGCATTGCTCTGTAACTATA	
P_{asp} MBBSI-P1	ACCCCTGTCCGTGGCCCGCGTGGCTGTATTAATTATTCTAAATATCA	P_{asp} MBBSI
P_{asp} MBBSI-P2	CCGGCCACCGGACAGGGGTGGCCGGCTCCGGCCACGGACAGGGGTGGCCGGCCT	
P_{asp} MBBSII-P3	TGGCATTGTTGCTCTGTACCACGGGTGGACGTCCGCGCACCTTTGTACAAAAGATCAITC	P_{asp} MBBSII
P_{asp} MBBSII-P4	TGGCATTGTTGCTCTGTAACTATAGCT	
P_{luxR} MBBS-P1	GTGACGGCGCGGTCCGCAATTTAGCTATGAACCTTAT	P_{luxR} MBBS
P_{luxR} MBBS-P2	GGCGACCGCCGCCGTCACTTACTGTATATAAATGTTCTA	
P_{luxR} MRBSI-P1	CCGTGACGGCGCGGTCCGCGGCTAGCGGTCTTAGTTTTATAAAGTTC	P_{luxR} MRBSI
P_{luxR} MRBSI-P2	ACCGCCCGGTCACGGCAGTGC GCGAAATTTCTACAGATGTTG	
P_{luxR} MRBSPI-P1	CCTGTCATTATTATTGATAACGGGTAGCGGAATTTATAAACTAAGAC	P_{luxR} MRBSPI
P_{luxR} MRBSPI-P2	TTATCAATAATAATGACAGGCAGTGC GCGAAATTTCTACAGATGTTG	
<i>met</i> HRT-F	ACTCAAGTGCAGAGGCATCC	
<i>met</i> HRT-R	CGTGAGGCTGTGGAAGATGT	
<i>cad</i> BRT-F	CAGCACACGCATCAGACCTA	qRT-PCR
<i>cad</i> BRT-R	CCGTTGCGTGTGTCAIACC	
<i>cya</i> ART-F	TGTCATCCGTGAACGCCTAC	

<i>cya</i> ART-R	ACCAGAAAACCTGGGTGCCAA	
<i>mur</i> BRT-F	TGGCCGGAATCTTGGTTGAA	
<i>mur</i> BRT-R	TGGTCCATGGCTGGTCAATC	
01530RT-F	TTCCTTCATCACGTCGCTGT	
01530RT-R	TACGTGAGCGTGCAGTCATT	
01529RT-F	GCGCGATGAAAGATCAAGCC	
01529RT-R	GAAGGCACAGCCTATGCTCA	
<i>gyrB</i> RNA-F	AAAGCACTTCAGTCGTGAGGAA	
<i>gyrB</i> RNA-R	TGCGCTTTACGCCAGTAAT	
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<i>P_{luxR}</i> -F	AGTCGCACGCAAACGATCACC	
<i>P_{luxR}</i> -R	ATCCATTTTCCTTGCCATTTG	
<i>P_{aphB}</i> -F	CGCCTTGTATAAACTTAGCTCGG	
<i>P_{aphB}</i> -R	TGTAGTCCCATTTTCGACAACCAG	
<i>P_{asp}</i> -F	TGCCCTGAGGTCGACGATAATCCATTCAGCATAGCAATCG	
<i>P_{asp}</i> -R	TTGCCCTATTCTTATTGAGC	
<i>P_{metH}</i> -F	TTCTCGGCTGATGCTGCTTAAATAG	
<i>P_{metH}</i> -R	CATGGTCCCATACCACCAATCAATC	
<i>P_{cadB}</i> -F	CAGTTTTGGTACAGCTGCATTGGTT	
<i>P_{cadB}</i> -R	CCAGTACCCAACATAGTTGCTAGAG	
<i>P_{cyaA}</i> -F	ATAGGTAATAAGAGCGCACTACCG	
<i>P_{cyaA}</i> -R	GCTGCTGATTCAAATATCTAGTCG	
<i>P_{murB}</i> -F	TGGCTTGCTGTAATGATCAATTCATCC	
<i>P_{murB}</i> -R	CTCGCATTTGTTTAAATTTGCATAGTAGG	
<i>P₀₁₅₂₉</i> -F	TCAAGACAGTTGCAGAAGGCGTTGC	
<i>P₀₁₅₂₉</i> -R	TATGCTTTGGGGTCGAAGTCATCAC	
<i>P₀₁₅₃₀</i> -F	AAGTACTGCCTCTATTTGCGTCGAT	
<i>P₀₁₅₃₀</i> -R	ATTGTAATAGTTATTGCCGTC	
<i>P_{gyrB}</i> -F	GACACAGTGTGGCGATATAGCA	
<i>P_{gyrB}</i> -R	TAAGTGATTTGTGCGCATTTGGT	
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pDM8- <i>P_{aphB}</i> - <i>luxAB</i> -P1	ATTGCTGCAGGTCGACGGATCCGGGAATTTCACATAAGATAAGATCGGGTTGGC	
pDM8- <i>P_{aphB}</i> - <i>luxAB</i> -P2	ACATTTCTTATTGATTTCAGACACATTAATTACCGA	
pDM8- <i>P_{aphB}</i> - <i>luxAB</i> -P3	AATGTGTCTGGAAATCAAATAAGGAAATGTTATG	
pDM8- <i>P_{luxR}</i> - <i>luxAB</i> -P1	ATTGCTGCAGGTCGACGGATCCGGGAATTAGTCAGTTCGATAGCACGTGCCAAG	
pDM8- <i>P_{luxR}</i> - <i>luxAB</i> -P2	ACATTTCTTATTGATCCATTTCTTGCCATTGAGTT	
pDM8- <i>P_{luxR}</i> - <i>luxAB</i> -P3	CAAATGGCAAGGAAAATGGATCAAATAAGGAAATGTTATG	
pDM8- <i>P_{asp}</i> - <i>luxAB</i> -P1	ATTGCTGCAGGTCGACGGATCCGGGAATTATCGATAGTGAAGTCACTACCATCT	
pDM8- <i>P_{asp}</i> - <i>luxAB</i> -P2	ACATTTCTTATTGTTGCCCTATTCTTATTGAGC	
pDM8- <i>P_{asp}</i> - <i>luxAB</i> -P3	TAAGGAATAGGGCAACAAATAAGGAAATGTTATG	
<i>luxAB</i> -pDM8-P4	GTCGACCTGCAGCCCAAGCTTATCGATTCTGTTACGAGTGGTATTTGACGATGTTG	
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MP _{<i>asp</i>} -up-1	AGTACGCGTCACTAGTGGGCCCTTCTAGAATCGATAGTGAAGTCACTACCAATC	
MP _{<i>asp</i>} -up-2	CATTTAATCGATTGCTATGCTGAATGGATTTTTGACCGTGGTGCCAAAACGAA	
MP _{<i>asp</i>} -dn-1	TTAGCTCAAATAAGGAATAGGGCAAATGCCTACACAACAAGTAAAAAAC	
MP _{<i>asp</i>} -dn-2	TAACAATTTGTGGAATCCCGGGAGAGCTCCGCGATTGCCAGTTTTTCCACCTT	

EMSA
or DNase I
footprinting

Fluorescence
assay

HPA assay