Table S1. Bacterial strains, plasmids and primers used in this study.

Name	Description	Origin
Strain		
Pectobacterium atrosepticum SCRI1043 (*Pba*)	Wild type	[1]
Pectobacterium atrosepticum SCRI1043Δ*expI*	Mutant strain of SCRI1043 containing the kanamycin cassette in the chromosome; Km^R	This study
Pectobacterium atrosepticum SCRI1043Δ*luxS*	Mutant strain of SCRI1043 containing the kanamycin cassette in the chromosome; Km^R	This study
Escherichia coli cc118	Host for suicidal vector pKNG101; *Δ(ara, leu) araD ΔlacX 74 galE galK PhoA20 thi-1 rpsE rpoB argE (am) recA1, Sm^R*	[2]
Escherichia coli HH26/pNJ5000	Mobilizing strain for conjugative transfer of the suicide vector pKNG101 into *Pba* cells; *tra+; Tet^R*	[3]
Escherichia coli NovaBlue	*endA 1hsdR17 (rK12–mK12+) supE44 thi-1 recA1 gyrA96 relA1 lacF' [proA+ B+ lacIqZ ΔM15::Tn10 (Tet^R)]*	Novagen
Pantoea ananatis LMG 20103	Wild type	[4]
Dickeya solani DSM28711	Wild type	[5]
Xanthomonas vesicatoria DSM 22252	Wild type	[6]
Escherichia coli K-12 MG1655	Wild type	NCBI:txid511145
Pseudomonas syringae DC3000	Wild type	[7]
Bacillus subtilis DSM10	Wild type	[8]
E. coli JLD271	Host for the bioluminescence reporter vector pAL103 or pAL104 as a negative control; *WM54 sdiA271::cam*	[9]
Vibrio harveyi BB170	Strain was used as a sensor AI-2; *luxN::Tn5*	[10]
Vibrio harveyi BB152	Strain was used as a positive control; *luxI::Tn5*	[10]
Plasmids		
pGEM-T Easy	Linearized vector for cloning; *f1 ori Amp^R lacZ*	Promega
pGEM:*expI*	*f1 ori Amp^R lacZ expI*	This study
pGEM:*luxS*	*f1 ori Amp^R lacZ luxS*	This study
pGEM:Δ*expI*;Km^R	*f1 ori Amp^R lacZ Km^R*	This study
pGEM:Δ*luxS*;Km^R	*f1 ori Amp^R lacZ Km^R*	This study
pKD4	Matrix for PCR amplification of kanamycin resistance cassette; *oriRγ rgnB bla Km^R*	[11]
pKNG101	Suicide mobilized vector for inactivation of target genes; *pir-ori R6K mobRK2 sacB Sm^R*	[12]
pKNG101:Δ*expI*;Km^R	Suicide plasmid carrying mutant locus Δ*expI*;Km^R; *Km^R Sm^R sacB*	This study
pKNG101:Δ*luxS*;Km^R	Suicide plasmid carrying mutant locus Δ*luxS*;Km^R; *Km^R SmR sacB*	This study
pAL103	The bioluminescence reporter vector; Tet^R; *luxR+luxI::luxCDABE; Tet^R p15A origin*	[9]
pAL104	The negative control for vector pAL103; Tet^R; *luxI::luxCDABE; Tet^R p15A origin*	[9]

Primers	
Primer name	**Primer sequence 5'—3'**
Primers for mutagenesis *ΔexpI*	
up*expI*F	CGGCCGTCAGGAGATGTCTGAG
dn*expI*R	ACAATTAGACTTAGGTACAGGTGTGG
dn*expI*KmF	GCAGCTCCAGCCTACACGGAATTAGCGTAGTTGAACAAGG
up*expI*KmR	CCCATGTCAGCCGTGTCAGCAAGAGTTCACACACG
Km*expI*F	CGGCTGACATGGGGTGTAGGCTGGAGCTGCTTC
Km*expI*R	GTGTAGGCTGGAGCTGCACGGCTGACATGGGAATTAG
Check*expI*F	CCTGCTGACCAATGCTGAACTG
Check*expI*R	ACATTCCCTGATGTTAGCCAATC
Primers for mutagenesis *ΔluxS*	
up*luxS*F	CCTGCCTTATGCGACCTCTCTAC
dn*luxS*R	CGCCTACACACTCAGCCTCG
dn*luxS*KmF	CCATGTCAGCCGTTAAGACATATCTAGTTTATTGG
up*luxS*KmR	CTCCAGCCTACACAATCAGTAACGGCATAATGCCTCC
Km*luxS*F	CATTATGCCGTTACTGATTGTGTAGGCTGGAGCTGCTTC
Km*luxS*R	CAATAAACTAGATATGTCTTAACGGCTGACATGGGAATTAGC
Check*luxS*F	GCAGAAAGCGGGAAAAAGGC
Check*luxS*R	CGCTGCTGACGGAGAACTGTTG

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