

Table S2 Primers Used in This Study

Name	Purpose	Sequence
3'sonBcDNA	<i>sonB</i> amplification	GCTCGAGTCAGATCTCAGTA
5'UTRsonB	<i>sonB</i> amplification	ACGGATGGACGTTGATAACATACTG
AF-2	<i>nimA</i> sequencing	GGTGTCACATATGGTACG
AF-4	<i>nimA</i> sequencing	GTCATTGCGAGCTGCCT
AF-6	<i>nimA</i> sequencing	CTTGAGTCGCCGACGAA
AF-7	<i>nimA</i> sequencing	AAGATCCCATCGTCCGC
AR-2	<i>nimA</i> amplification	GCAGCAGCGCAAGAAAT
HP15	<i>nimA</i> GFP-tagging	GAACACCATTCTACATGTCTCCAG
HP16	<i>nimA</i> GFP-tagging	CCTCAAGTTGCGAATCACCTTTC
HP17	<i>nimA</i> GFP-tagging	TGAAAACGCAAGATCGTCCTAACC
HP18	<i>nimA</i> GFP-tagging	TGGCGTACGAGCGCTTCAAACCTG
HP19	<i>nimA</i> GFP-tagging	GGGGAAGAAAGGTGATTCGCAACTTGAG GGGAGCTGGTGCAGGCGCTGGAGCCAA AG
HP20	<i>nimA</i> GFP-tagging	ACCGCCGTTAGGACGATCTTGCCTTTT CACTGTCTGAGAGGAGGCACTGATGCGT G
M13 Forward	pRG3-AMA1-NotI plasmid library sequencing	CTGGCCGTCGTTTTAC
NucP1	<i>sonB</i> sequencing	TATTGTAAGGCTGCATGAAC
NucP2	<i>sonB</i> sequencing	AACACTGGCAGCTCACTCTT
NucP4	<i>sonB</i> sequencing	GGAGTGGACGACGACACATT
NucP8	<i>sonB</i> sequencing	AACAACCGCGCAAACAAGGA
NucP11	<i>sonB</i> sequencing	GTCCGCAAGCAAGGTCAGAA
NucP12	<i>sonB</i> sequencing	CCTCAGATCGTGAAAGGGCT
NucP15	<i>sonB</i> sequencing	GCAGTGGCTCAGGCTTTGGT
NucP16	<i>sonB</i> sequencing	GGCATCGTTCAGTTCTTCC
NucP17	<i>sonB</i> sequencing	TTGGTGGATGCCTTGGTTAC
NucP20	<i>sonB</i> sequencing	ATGGAAGTGGCAGGCAGGA

NucP21	<i>sonB</i> sequencing	ATTGCTGAGTGTGCTGCCA
NucP23	<i>sonB</i> sequencing	GGCACAGCTGCTACTTCGTC
NucP24	<i>sonB</i> sequencing	ACGTGCTCCTCTGCCAATCT
NucP26	<i>sonB</i> sequencing	CGGCCAGTGTACCCACACAA
NucP27	<i>sonB</i> sequencing	GGCATTACCGCTGATGAACC
NucP28	<i>sonB</i> sequencing	GGCCACCTTGGACGGATTCT
NucP32	<i>sonB</i> sequencing	CCTGCGAAGGTCTTTGGCTG
NucP34	<i>sonB</i> sequencing	ACTCGTACGACCGATCCTC
oMN33	pRG3-AMA1-NotI plasmid library sequencing	AAATAAGCTTGCATGCGC
SP204-F	AN4389 amplification	CAAGCATTGACCGATGACACT
SP205-R	AN4389 amplification	GCTCTCATTAAGTCAATCCAGCAT
SP206-F	AN4389 sequencing	CCGGATTCTGATTGCTAAGGC
SP207-F	AN4389 sequencing	GTGGACAACCGAGAATCTCA
SP209-F	AN4389 sequencing	CGACAACCTGGCACGCTTC
SP233-F	<i>nimA</i> sequencing	CGACTACTAACCTGCAGA
SP234-F	<i>nimA</i> amplification	CCCGTGCATTGATATTGACTCC
SP251	<i>sonC</i> amplification and deletion	CACCAGAGCACCGAAATTGC
SP252	<i>sonC</i> deletion and GFP-tagging	CCAGGTCGAGAATTGTCCTTG
SP253-F	<i>sonC</i> sequencing	CGGAGCGATAAATCTACGTCT
SP254-F	<i>sonC</i> sequencing	GGACTAAATGTGCTGGCCG
SP255-F	<i>sonC</i> amplification, GFP-tagging, and sequencing	CTGCATGGAACCAACAGCT
SP256-F	<i>sonC</i> sequencing	GATCTGCATGCGACGTTAGC
SP257-F	<i>sonC</i> sequencing	CGCAGCCTACAGATGACGG
SP258-F	<i>sonC</i> deletion and GFP-tagging	GCATCAGTGCCTCCTCTCAGACAGATGGCAACAGTTGTGT GAAGTATGC
SP259-R	<i>sonC</i> deletion	GAAGAGCATTGTTTGAGGCGGACGAGATCGCGTGGCAG AATATAT
SP260-R	<i>sonC</i> GFP-tagging	GGCTCCAGCGCCTGCACCAGCTCCCGCATAGACATTTGCA GGCGGCAGC

SPF1	<i>sonA</i> amplification and sequencing	GCTCTTGATACCCGTCTCTC
SPF2	<i>sonA</i> sequencing	GTACATCAATATAGTCGACCT
SPF5	<i>sonA</i> sequencing	CTGCTGCTGGTCACCTGTAAG
SPR5	<i>sonA</i> amplification and sequencing	CGTGACTGTCTATACGTGCG
SPR8	<i>sonA</i> sequencing	CGAGATCGAGCATACGAGCC
