

Table S2. Primer information

Name and size of PCR product	Primers	Sequence ^a
<i>hspC</i> for pET22b(+)	<i>hspC</i> -F-EN	5'-GAATTCCATATGAGCCGCATGACGCCATT-3'
	<i>hspC</i> -R-XhoI	5'-CTCGAGCTCTGAGACGGAAATAT-3'
<i>hspAT1</i> for pET22b(+)	<i>hspAT1</i> -F-EN	5'-GAATTCCATATGGCAACATCTTACGACTA-3'
	<i>hspAT1</i> -R-XhoI	5'-CTCGAGAGCGGCCTTCTGCGCTT-3'
<i>hspAT2</i> for pET22b(+)	<i>hspAT2</i> -F-EN	5'-GAATTCCATATGGCTATGGCAACATCCTA-3'
	<i>hspAT2</i> -R-XhoI	5'-CTCGAGTGCAGCCTTCTTTTCTT-3'
<i>hspL-alpha-C</i> for chimeric construct	L-K-alpha-F	5'-CCCTATGACATCGAACGAACAGGTGA-3'
	<i>hspL</i> -XhoI-R	5'-CTCGAGGTTGACCTGAGCCGGG-3'
<i>hspL-N-alpha</i> for chimeric construct	<i>hspL</i> -NdeI-F	5'-CATATGCGTCACGTTGATTTTCCC-3'
	L-K-alpha-R	5'-TCTTCCGGAACCTCGCGGACGAGGTGC-3'
<i>hspAT2-N</i> for chimeric construct	<i>hspAT2</i> -F-EN	5'-GAATTCCATATGGCTATGGCAACATCCTA-3'
	AT2-NK-R	5'-TCACCTGTTTCGTTTCGATGTCATAGGG-3'
<i>hspAT2-alpha</i> for chimeric construct	AT2-K-alpha-F	5'-CCCTATAATATCATCAAGACCGGCGA-3'
	AT2-K-alpha-R	5'-GCTTCCGGAATATTGCGAACGAGAT-3'
<i>hspAT2-C</i> for chimeric construct	AT2-CK-F	5'-CGACCTCGTCCGCGAGGTTCCGGAAGA-3'
	<i>hspAT2</i> -R-XhoI	5'-CTCGAGTGCAGCCTTCTTTTCTT-3'
<i>hspL</i> promoter + <i>hspL</i> (no stop codon)	Compl- <i>hspL</i> -FP	5'-GGATCCAAGCTTTGTCTTCACTGGCGCAAT-3'
	Compl- <i>hspL</i> -RP	5'-CTGCAGGTTGACCTGAGCCGGGGTA-3'
<i>hspC</i> promoter + <i>hspC</i> (no stop code)	Compl- <i>hspC</i> -FP	5'-GGATCCAAGCTTAGGACTTCCAAAGGCGAGCA-3'
	Compl- <i>hspC</i> -RP	5'-CTGCAGCTCTGAGACGGAAATATTAAT-3'
<i>hspAT1</i> promoter + <i>hspAT1</i> (no stop codon)	Compl- <i>hspAT1</i> -FP	5'-GGATCCAAGCTTAGAAGACGCTCGACACGTTG-3'
	Compl- <i>hspAT1</i> -RP3	5'-CGCCTGCAGAGCGGCCTTCTGCGCTTC-3'
<i>hspAT2</i> promoter + <i>hspAT2</i> (no stop codon)	Compl- <i>hspAT2</i> -FP	5'-GGATCCAAGCTTCTTCGAGCGGAAGAAGAAG-3'
	Compl- <i>hspAT2</i> -RP	5'-CTGCAGTGCAGCCTTCTTTTCTTCGAT-3'
	<i>His-PstI</i> -R	5'-CTGCAGTTATCAGTGGTGGTGGTGGTGGTGGT-3'
For <i>hspC</i> deletion construct	<i>hspC</i> -FP1-1	5'-TCTAGAATTCCAGCATTTCGG-3'
	<i>hspC</i> -RP1-1	5'-GGATCCCGCTTCCGGCAACCT-3'
	<i>hspC</i> -FP2-1	5'-GGATCCATGAACGCTGGAATC-3'
	<i>hspC</i> -RP2-1	5'-ACTAGTGGCGGCTTGGAATG-3'
For <i>hspAT1</i> deletion construct	<i>hspAT1</i> -FP1	5'-TCTAGACCGAGCTGTCCGTCCGCCGA-3'
	<i>hspAT1</i> -RP1	5'-GGATCCAGCCCCGTGTCAGCGGCT-3'
	<i>hspAT1</i> -FP2	5'-GGATCCGGGTTGGGAAGGAGAGTATC-3'
	<i>hspAT1</i> -RP2	5'-CTGCAGCCTGAAGCTCATCGATGGA-3'

For <i>hspAT2</i> deletion construct	hspAT2-FP1-1	5'- TCTAGACCCACCTTGGTCGCGATG -3'
	hspAT2-RP1-2	5'- GGATCCTTGAAGCAACATGGGTAC -3'
	hspAT2-FP2-3	5'- AGATCTGCGACGCCCGTCAACATTG -3'
	hspAT2-RP2	5'- ACTAGTCGTGTAAGTCTCGCGCCA -3'

^aThe sequences of designed restriction enzyme sites were shown in bold and the sequences complementary to specific region in *A. tumefaciens* genome is shown in Italian