

Table S1 Primers used to amplify the DNA sequences that encode the putative signal peptides of Sec-dependent secretory proteases

Construct name	Primer name	Primer sequence (5'→3')
pET-Prt1SP-mphoA	Prt1SP-F	AAGGAGATATA <u>CATATG</u> AACAAGAAATCATATCTGTAA
	Prt1SP-R	AGGCATTTCTGG <u>AAGCTT</u> CGATGCGCCGACGGCAGA
pET-Prt2SP-mphoA	Prt2SP-F	AAGGAGATATA <u>CATATG</u> CGATTTTCACGAATTGTTAC
	Prt2SP-R	AGGCATTTCTGG <u>AAGCTT</u> TCGACGGGCGCAGCCTG
pET-Prt3SP-mphoA	Prt3SP-F	AAGGAGATATA <u>CATATG</u> ATGATAAAAAGCAGAAGAA
	Prt3SP-R	AGGCATTTCTGG <u>AAGCTT</u> ATACGAGCTACTTGCTTGTA
pET-Prt4SP-mphoA	Prt4SP-F	AAGGAGATATA <u>CATATG</u> ACCCAGCAAGAGTTTTTGGC
	Prt4SP-R	AGGCATTTCTGG <u>AAGCTT</u> AAAAATCAACGCCGCGCTGGC
pET-Prt5SP-mphoA	Prt5SP-F	AAGGAGATATA <u>CATATG</u> AACAATCTGAACTCGTCC
	Prt5SP-R	AGGCATTTCTGG <u>AAGCTT</u> GTTGACATCGTCGGCATAGG
pET-Prt6SP-mphoA	Prt6SP-F	AAGGAGATATA <u>CATATG</u> CCAGCAAAAATTCGCTTATTC
	Prt6SP-R	AGGCATTTCTGG <u>AAGCTT</u> AGCACGGGCGAGCGGCCTGA
pET-Prt7SP-mphoA	Prt7SP-F	AAGGAGATATA <u>CATATG</u> AAGAAAAAACGCGCCTTT
	Prt7SP-R	AGGCATTTCTGG <u>AAGCTT</u> CATCTGTTGCCCCGGGC
pET-Prt8SP-mphoA	Prt8SP-F	AAGGAGATATA <u>CATATG</u> CGCCTGACAGCTGTGTTA
	Prt8SP-R	AGGCATTTCTGG <u>AAGCTT</u> GGTATCCTCATCGGCATGAGT
pET-Prt9SP-mphoA	Prt9SP-F	AAGGAGATATA <u>CATATG</u> AACAGTCTTTTTAAAGCACTA
	Prt9SP-R	AGGCATTTCTGG <u>AAGCTT</u> AATCGTTTCAGCCGCGAAGAC
pET-Prt10SP-mphoA	Prt10SP-F	AAGGAGATATA <u>CATATG</u> AAGAAGAAACTGCTATTTAC
	Prt10SP-R	AGGCATTTCTGG <u>AAGCTT</u> GAAATCAACGTTGGCTGCTG
pET-Prt11SP-mphoA	Prt11SP-F	AAGGAGATATA <u>CATATG</u> GGTCACGTCTCAACCTTTC
	Prt11SP-R	AGGCATTTCTGG <u>AAGCTT</u> TGACAACAGTGTGCTAATGC
pET-Prt12SP-mphoA	Prt12SP-F	AAGGAGATATA <u>CATATG</u> TCTATCAGACTGAAAAAAAAC
	Prt12SP-R	AGGCATTTCTGG <u>AAGCTT</u> ATCGCTGATATCGGCGCGG
pET-Prt13SP-mphoA	Prt13SP-F	AAGGAGATATA <u>CATATG</u> AAAAAGAATACGTTAGTTCTGA
	Prt13SP-R	AGGCATTTCTGG <u>AAGCTT</u> GGCGGTTTCGGCCGCGCT
pET-Prt14SP-mphoA	Prt14SP-F	AAGGAGATATA <u>CATATG</u> AAAGCTAAATATTTTTTTTGT
	Prt14SP-R	AGGCATTTCTGG <u>AAGCTT</u> GGTACTTAGCATTGCACTGG
pET-Prt15SP-mphoA	Prt15SP-F	AAGGAGATATA <u>CATATG</u> AAAACAAAAGGTATCTCTC
	Prt15SP-R	AGGCATTTCTGG <u>AAGCTT</u> TTCTGCAACGGCAGCCTGT

The primers were designed according to the encoding genes of the 15 putative Sec-dependent secreted proteases in the *E. amylovora* CFBP1430, including *EaPrt1* (GeneID: 8912687), *EaPrt2* (GeneID: 8912496), *EaPrt3* (GeneID: 8913999), *EaPrt4* (GeneID: 8914637), *EaPrt5* (GeneID: 8914313), *EaPrt6* (GeneID: 8914879), *EaPrt7* (GeneID: 8914851), *EaPrt8* (GeneID: 8911660), *EaPrt9* (GeneID: 8913129), *EaPrt10* (GeneID: 8914533), *EaPrt11* (GeneID: 8914536), *EaPrt12* (GeneID: 8911874), *EaPrt13* (GeneID: 8914250), *EaPrt14* (GeneID: 8914489), and *EaPrt15* (GeneID: 8911780), and the restriction recognition sequences of *NdeI* (CATATG) and *HindIII* (AAGCTT) are in bold and underlined