

**Table S2 Primers used for RT-qPCR assay**

Gene name	Primer name	Primer sequence (5'→3')
<i>EaPrt1</i>	qPCR-Prt1-F	CTGCCATCAACCAGGGTAA
	qPCR-Prt1-R	TCATCTCGGTGCCTTTGAT
<i>EaPrt2</i>	qPCR -Prt2-F	CCAGGATCTGCGCAATATGG
	qPCR -Prt2-R	AATTACGGTCGACAATGGCG
<i>Eaprt3</i>	qPCR -Prt3-F	CTCGTTCGTTGATTATCGC
	qPCR -Prt3-R	GTGGGTGAGTGGATTTGTTG
<i>EaPrt4</i>	qPCR-Prt4-F	CGCAGCAACGACAGTGAAT
	qPCR-Prt4-R	CAGATTCCGCCGTGAGAT
<i>EaPrt5</i>	qPCR -Prt5-F	AACAATCTGAACTCGTCCCG
	qPCR -Prt5-R	TTCTGCCAGCACTTTCCCT
<i>Eaprt6</i>	qPCR -Prt6-F	CGCTGGATGAGATGCTGAA
	qPCR -Prt6-R	CGCCTGGATAATGATGTGC
<i>EaPrt7</i>	qPCR-Prt7-F	GATGGACTACAACAGCAGCAAA
	qPCR-Prt7-R	CCCAGGCATCTTTACCTACG
<i>EaPrt8</i>	qPCR -Prt8-F	GGTTGATAATACCGCTCACCC
	qPCR -Prt8-R	GCCAGCCGCCTTTAGTATT
<i>Eaprt9</i>	qPCR -Prt9-F	CGAACGCTATCTCAACTTGCT
	qPCR -Prt9-R	GGTGAAATCCATCGGCTTT
<i>EaPrt10</i>	qPCR-Prt10-F	ACGGTTCCTCCTTTGTTG
	qPCR-Prt10-R	TCTCATTGGACAGCACGGT
<i>EaPrt11</i>	qPCR -Prt11-F	TATCAGCAGGAAGACACGGG
	qPCR -Prt11-R	CAATAGGAGTCGTTTCAGGTTCCG
<i>Eaprt12</i>	qPCR -Prt12-F	AAACCTGCTGATTCGCTGC
	qPCR -Prt12-R	AGGATCGTTGATGACTGGCG
<i>EaPrt13</i>	qPCR-Prt13-F	GGGATTACACCGTGGCTATC
	qPCR-Prt13-R	ATCCCAATCAGTTCACCGTT
<i>EaPrt14</i>	qPCR -Prt14-F	CGTGGTGCTAATCGGTGAT
	qPCR -Prt14-R	TTCGCTCAATCCTCTTCGG
<i>Eaprt15</i>	qPCR -Prt15-F	ATTGTCGGCTGGAGTGATG
	qPCR -Prt15-R	TGATTGCCACATTTCGCC
<i>recA</i>	recA-F	GCGTATGATGAGCCAGGCA
	recA-R	ACCACTTCGTCGCCCTCTT

The primers were designed based on the encoding genes of the 15 Sec-dependent secreted proteases predicated 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 *recA* (GeneID: 8914602) was used as an internal reference