

Table S3 Putative Sec-dependent secretory proteins identified from *Erwinia amylovora* CFBP1430

No.	GenBank accession No.	Annotation	SP cleavage site
1	WP_013035751.1	mobilization protein	22-23
2	WP_004154786.1	DUF3574 domain-containing protein	19-20
3	WP_004154818.1	divergent polysaccharide deacetylase family protein	22-23
4	WP_004154831.1	repressor CpxP_ _protein	22-23
5	WP_004154844.1	DUF1454 family protein	22-23
6	WP_013035763.1	hypothetical protein	18-19
7	WP_004154993.1	fimbrial protein A precursor	20-21
8	WP_004154995.1	molecular chaperone ClpE_ _protein	36-37
9	WP_004154997.1	hypothetical protein	24-25
10	WP_004155016.1	DUF1481 domain-containing protein	26-27
11	WP_004155057.1	DUF1471 domain-containing protein	22-23
12	WP_004155058.1	DUF1471 domain-containing protein	22-23
13	WP_004155063.1	Do family serine endopeptidase	24-25
14	WP_004155111.1	serine-type D-Ala-D-Ala carboxypeptidase	20-21
15	WP_004155168.1	DUF2501 domain-containing protein	24-25
16	WP_004155213.1	SH3 domain-containing protein	22-23
17	WP_004155226.1	DUF1190 family protein	40-41
18	WP_004155263.1	cell division protein FtsP	27-28
19	WP_004155276.1	spore coat U domain-containing protein	19-20
20	WP_004155278.1	molecular chaperone	25-26
21	WP_004155286.1	hypothetical protein	24-25
22	WP_004155289.1	phosphatase PAP2 family protein	20-21
23	WP_004155312.1	hypothetical protein	28-29
24	WP_004155332.1	hypothetical protein	20-21
25	WP_004155367.1	hypothetical protein	19-20
26	WP_004155381.1	DUF3828 domain-containing protein	21-22
27	WP_014715901.1	hypothetical protein_ _pseudo_ _true	21-22
28	WP_004155449.1	DUF2884 family protein	20-21
29	WP_004155460.1	peroxiredoxin	27-28
30	WP_004155466.1	deoxyribonuclease I	22-23
31	WP_004155489.1	peptidase	22-23
32	WP_004155494.1	hypothetical protein	24-25
33	WP_004155499.1	hypothetical protein	22-23
34	WP_033477537.1	oxidative stress defense protein	27-28
35	WP_004155561.1	Xaa-Pro aminopeptidase	22-23
36	WP_004155591.1	hypothetical protein	22-23
37	WP_004155602.1	bifunctional protein-disulfide isomerase_oxidoreductase DsbC	21-22
38	WP_004155617.1	hypothetical protein	21-22
39	WP_004155688.1	YgdI_YgdR family lipoprotein	26-27
40	WP_004155729.1	pitrilysin	22-23
41	WP_004155743.1	YgdI_YgdR family lipoprotein	18-19
42	WP_004155907.1	protein disulfide oxidoreductase DsbA	26-27
43	WP_004155908.1	hypothetical protein	25-26
44	WP_004156114.1	hypothetical protein	20-21
45	WP_004156136.1	hypothetical protein	16-17
46	WP_004156157.1	hypothetical protein	22-23
47	WP_004156190.1	AroM family protein	17-18
48	WP_004156204.1	hypothetical protein	19-20
49	WP_004156211.1	DUF4810 domain-containing protein	20-21
50	WP_004156213.1	hypothetical protein	19-20
51	WP_004156259.1	DUF3251 domain-containing protein	23-24
52	WP_004156292.1	hypothetical protein	19-20
53	WP_004156312.1	AraC family transcriptional regulator	23-24
54	WP_004156333.1	hypothetical protein	22-23

55	WP_004156501.1	hypothetical protein	19-20
56	WP_004156568.1	hypothetical protein	35-36
57	WP_004156598.1	oxidoreductase	20-21
58	WP_013035939.1	serine-type D-Ala-D-Ala carboxypeptidase	29-30
59	WP_004156683.1	protein_cell division protein CpoB	26-27
60	WP_004156753.1	DUF1615 domain-containing protein	23-24
61	WP_004156768.1	D-alanyl-D-alanine endopeptidase	25-26
62	WP_004156773.1	beta-glucosidase BglX	20-21
63	WP_004156778.1	DUF3833 domain-containing protein	19-20
64	WP_004156781.1	FAD-dependent oxidoreductase	23-24
65	WP_004156811.1	hypothetical protein	16-17
66	WP_004156843.1	D-alanyl-D-alanine carboxypeptidase	30-31
67	WP_004156874.1	lipoprotein	24-25
68	WP_004156891.1	thioredoxin-disulfide reductase	25-26
69	WP_033477575.1	hypothetical protein	19-20
70	WP_004156941.1	DUF882 domain-containing protein	30-31
71	WP_004156996.1	DUF2057 domain-containing protein	21-22
72	WP_013034859.1	HlyD family secretion protein	15-16
73	WP_033477576.1	glucan biosynthesis protein G	28-29
74	WP_004157048.1	YceI family protein	23-24
75	WP_013035987.1	lipoprotein	23-24
76	WP_004157138.1	DUF1425 domain-containing protein	18-19
77	WP_004157148.1	glycine zipper 2TM domain-containing protein	35-36
78	WP_004157262.1	YgdI_YgdR family lipoprotein	27-28
79	WP_004157263.1	YgdI_YgdR family lipoprotein	20-21
80	WP_004157308.1	lipoprotein	26-27
81	WP_004157318.1	META domain-containing protein	21-22
82	WP_004157361.1	hypothetical protein	21-22
83	WP_004157369.1	DUF481 domain-containing protein	24-25
84	WP_004157624.1	DUF1471 domain-containing protein	22-23
85	WP_004157647.1	serine protease	20-21
86	WP_004157648.1	N-acetylmuramoyl-L-alanine amidase	19-20
87	WP_004157653.1	DUF1318 domain-containing protein	21-22
88	WP_004157655.1	YnbE family lipoprotein	26-27
89	WP_004157658.1	DUF333 domain-containing protein	22-23
90	WP_004164340.1	alpha-glucosidase	27-28
91	WP_004157680.1	DUF1120 domain-containing protein	19-20
92	WP_004157686.1	hypothetical protein	20-21
93	WP_004157687.1	hypothetical protein	31-32
94	WP_004157690.1	hypothetical protein	30-31
95	WP_004165445.1	DUF2931 family protein	21-22
96	WP_004157715.1	DUF2931 family protein	21-22
97	WP_004165447.1	DUF2931 family protein	21-22
98	WP_004157754.1	BON domain-containing protein	24-25
99	WP_004157787.1	heme-binding protein	21-22
100	WP_004157790.1	cytochrome c	22-23
101	WP_004157806.1	DUF1496 domain-containing protein	19-20
102	WP_004157818.1	MipA_OmpV family protein	37-38
103	WP_004157863.1	Slp family lipoprotein	21-22
104	WP_004157888.1	carboxy terminal-processing peptidase	21-22
105	WP_004157904.1	DUF2511 domain-containing protein	19-20
106	WP_004157906.1	hypothetical protein	31-32
107	WP_004157916.1	hypothetical protein	15-16
108	WP_004158086.1	deferrochelataase_peroxidase EfeB	37-38
109	WP_004158122.1	lipoprotein	18-19
110	WP_004158221.1	hypothetical protein_	23-24

111	WP_004158249.1	alpha_beta hydrolase	24-25
112	WP_071524086.1	hypothetical protein	23-24
113	WP_004158423.1	peptidase S8	19-20
114	WP_004158446.1	bifunctional murein DD-endopeptidase_murein LD-carboxypeptidase	21-22
115	WP_004158770.1	oxidoreductase	18-19
116	WP_004158776.1	hypothetical protein	23-34
117	WP_004158781.1	hypothetical protein	24-25
118	WP_004158803.1	DUF2502 domain-containing protein	24-25
119	WP_004158932.1	RpoE-regulated lipoprotein	21-22
120	WP_004158935.1	N-acetylmuramoyl-L-alanine amidase AmiA	39-40
121	WP_004158951.1	DUF1471 domain-containing protein	23-24
122	WP_004159031.1	M48 family peptidase	27-28
123	WP_004159122.1	NAD_P_FAD-dependent oxidoreductase	19-20
124	WP_013036181.1	YfiM family lipoprotein	19-20
125	WP_004159403.1	MetQ_NlpA family lipoprotein	27-28
126	WP_004159416.1	hypothetical protein	20-21
127	WP_004156843.1	D-alanyl-D-alanine carboxypeptidase	30-31
128	WP_004164744.1	hypothetical protein	18-19
129	WP_013035878.1	hypothetical protein	22-23
130	WP_004159700.1	hypothetical protein	24-25
131	WP_004159809.1	LysR family transcriptional regulator	25-26
132	WP_004165656.1	hypothetical protein	19-20
133	WP_004159893.1	DUF1311 domain-containing protein	24-25
134	WP_004164804.1	hypothetical protein	19-20
135	WP_004159956.1	DUF2931 family protein	21-22
136	WP_004164810.1	DUF2931 family protein	21-22
137	WP_004163089.1	DUF2931 family protein	21-22
138	WP_004159967.1	DUF2931 family protein	21-22
139	WP_004160036.1	DUF1090 domain-containing protein	20-21
140	WP_004160143.1	N-acetylmuramoyl-L-alanine amidase AmiB	21-22
141	WP_004160171.1	hypothetical protein	25-26
142	WP_004160179.1	DUF4156 domain-containing protein	23-24
143	WP_004160191.1	protein-disulfide reductase DsbD	23-24
144	WP_004160312.1	DUF4354 family protein	21-22
145	WP_004160325.1	hypothetical protein	23-24
146	WP_004160370.1	cytochrome c	19-20
147	WP_004160420.1	DUF3828 domain-containing protein	19-20
148	WP_004160506.1	YjbH domain-containing protein	22-23
149	WP_004160507.1	hypothetical protein	21-22
150	WP_004160509.1	YjbF family lipoprotein	21-22
151	WP_004160684.1	hypothetical protein	27-28
152	WP_004160694.1	DUF2531 family protein	19-20
153	WP_004160781.1	DUF2756 domain-containing protein	19-20
154	WP_004160859.1	DUF1795 domain-containing protein	19-20
155	WP_004160975.1	ankyrin repeat domain-containing protein	19-20
156	WP_004161002.1	hypothetical protein	21-22
157	WP_004161022.1	DUF1471 domain-containing protein	19-20
158	WP_004161039.1	M20 family peptidase	23-24
159	WP_004161055.1	endoglucanase	14-15
160	WP_013036310.1	cellulose biosynthesis cyclic di-GMP-binding regulatory protein BcsB	22-23
161	WP_004161073.1	hypothetical protein	24-25
162	WP_004161084.1	hypothetical protein	22-23
163	WP_004161096.1	DUF3053 domain-containing protein	27-28
164	WP_004161126.1	OmpA family lipoprotein	20-21
165	WP_004161156.1	DUF4432 family protein	20-21
166	WP_004161163.1	YidQ family lipoprotein	29-30

167	WP_004161200.1	hypothetical protein	18-19
168	WP_024015396.1	phosphate ABC transporter substrate-binding protein PstS	25-26

The protein annotations referred to herein are based on the *E. amylovora* CFBP1430 (GenBank Nos. NC_013961.1), and the putative cleavage sites of SPs were predicated by using SignalP 4.0 (Petersen et al., 2011)

Reference

Petersen TN, Brunak S, von Heijne G, et al., 2011. SignalP 4.0: discriminating signal peptides from transmembrane regions. Nat Methods, 8(10):785-786.
<https://doi.org/10.1038/nmeth.1701>