

SUPPLEMENTAL TABLE 3 Comparison of the <i>psl</i> gene clusters of four different strains within the genus <i>Francisella</i>				
<i>F. tularensis</i> Schu S4	<i>F. philomiragia</i> ATCC 25017	<i>Francisella</i> spp. TX07-7308	<i>F. novicida</i> U112	Annotation
Locus tag (protein)	Locus tag (protein, % identity ¹)	Locus tag (protein, % identity ¹)	Locus tag (protein, % identity ¹)	
FTT_0800 (220 aa)	Fphi_1481 (220 aa, 92%)	F7308_1119 (220 aa, 90%)	FTN_1211 (220 aa, 100%)	HAD family hydrolase
FTT_0799 (337 aa)	None	None	FTN_1212 (337 aa, 96%)	Glycosyl transferase
None	None	F7308_1118 (363 aa)	None	Glycosyl transferase, group 1
FTT_0798 (335 aa)	None	F7308_1117 (326 aa, 59%)	FTN_1213 (335 aa, 97%)	Glycosyl transferase
None	Fphi_1480 (247 aa)	None	None	Teichuronic acid biosynthesis glycosyl transferase
None	Fphi_1479 (365 aa)	None	None	Glycosyltransferase- like protein
None	Fphi_1478 (279 aa)	None	None	Glycosyl transferase

				family protein
None	Fphi_1477 (42 aa)	None	None	Hypothetical protein
None	Fphi_1476 (125 aa)	None	None	Glycosyl transferase
None	Fphi_1475 (368 aa)	None	None	Glycosyl transferase, group 1
FTT_0797 (319 aa)	Fphi_1474 (319 aa, 55%)	F7308_1116 (317 aa, 74%)	FTN_1214 (319 aa, 99%)	Glycosyl transferase
FTT_0796 (253 aa)	None	None	None	Conserved hypothetical protein
FTT_0795 (227 aa)	None	None	None	Methyltransferase domain family
FTT_0794 (428 aa)	None	None	None	Conserved hypothetical protein
None	None	F7308_1115 (390 aa)	FTN_1215 (386 aa, 77%)	Capsule polysaccharide export protein KpsC
None	None	None	FTN_1216 (247 aa, 77%)	Hypothetical protein

None	Fphi_1473 (400 aa)	None	None	Teichoic acid biosynthesis protein
None	Fphi_1472 (138 aa)	None	None	Glycerol-3-phosphate cytidyltransferase
None	Fphi_1471 (507 aa)	None	None	Asparagine synthase (glutamine-hydrolyzing)
FTT_0793 (560 aa)	Fphi_1470 (563 aa, 88%)	F7308_1114 (531 aa, 88%)	FTN_1217 (562 aa, 99%)	ABC transporter ATP-binding protein
FTT_0792 (409 aa)	None	F7308_1113 (372 aa, 80%)	FTN_1218 (409 aa, 98%)	WejK: Glycosyl transferase
FTT_0791 (339 aa)	Fphi_1469 (339 aa, 81%)	F7308_1112 (339 aa, 80%)	FTN_1219 (339 aa, 99%)	GalE: UDP-glucose 4-epimerase
None	None	F7308_1111 (246 aa)	None	Hypothetical protein
FTT_0790 (464 aa)	Fphi_1468 (465 aa, 69%)	F7308_1110 (457 aa, 69%)	FTN_1220 (464 aa, 99%)	Sugar transferase

¹ Identity percentages to protein in column 1, 2, or 3 when present