

**Table S2.** Proteins used in TssB, TssC, and TssH phylogenies.

Class	Species	T6SS subfamily	TssB	TssC	TssH
Alphaproteobacteria	<i>Rhizobacterium leguminosarum</i>	i3	WP 168301612.1	WP 130767081.1	WP 130698940.1
Alphaproteobacteria	<i>Agrobacterium tumefaciens</i>	i5	WP 042619947.1	WP 060724235.1	WP 137005461.1
Alphaproteobacteria	<i>Acidiphilium</i>	i5	WP 029312514.1	WP 029312513.1	WP 029312510.1
Alphaproteobacteria	<i>Acetobacter thailandicus</i>	i5	NHN93965.1	NHN93966.1	NHN93963.1
Alphaproteobacteria	<i>Roseomonas stagni</i>	i5	WP 092958817.1	WP 092958819.1	WP 092958814.1
Alphaproteobacteria	<i>Inquilinus limosus</i>	i5	WP 034848252.1	WP 088155147.1	WP 088155175.1
			WP 088155151.1	WP 088155149.1	WP 088157277.1
				WP 088157287.1	
				WP 088157289.1	
Betaproteobacteria	<i>Snodgrassella alvi</i> wkB298	i3	WP 100141422.1	WP 100141421.1	WP 100152754.1
Betaproteobacteria	<i>Snodgrassella alvi</i> HK3	i3	WP 100099139.1	WP 100099140.1	WP 100123967.1
		i2	WP 100123960.1	WP 100123961.1	WP 100124084.1
Betaproteobacteria	<i>Snodgrassella alvi</i> wkB2	i3	WP 025329757.1	WP 025329758.1	WP 025329756.1
		i2	WP 025330951.1	WP 038648915.1	WP 025330944.1
Betaproteobacteria	<i>Burkholderia thailandensis</i> E264	i1, i3, i4b	WP 009888592.1	WP 009888594.1	WP 009893771.1
			WP 009894728.1	WP 009894729.1	WP 009895032.1
			WP 009895017.1	WP 009895019.1	WP 009896189.1
			WP 009896198.1	WP 043037857.1	WP 009907099.1
			WP 009901015.1	WP 009901014.1	WP 009910486.1
Betaproteobacteria	<i>Neisseria mucosa</i>	i2	WP 003760099.1	WP 060975453.1	WP 060975457.1
Betaproteobacteria	<i>Amantichitinum ursilacus</i>	i2, i4a	WP 053938100.1	WP 053938099.1	WP 053938104.1
			WP 053939065.1	WP 053939066.1	WP 053939056.1
Betaproteobacteria	<i>Cupriavidus basilensis</i>	i2, i3	WP 043344071.1	WP 043344074.1	WP 043344068.1
			WP 043353035.1	WP 043353033.1	WP 043353022.1
Betaproteobacteria	<i>Burkholderia agricolaris</i>	i1, i2, i4b	WP 153135049.1	WP 153135050.1	WP 153135055.1
			WP 153139628.1	WP 153139630.1	WP 153140969.1
			WP 153140974.1	WP 153140973.1	
Betaproteobacteria	<i>Burkholderia hayleyella</i>	i1, i3	WP 153101208.1	WP 153101210.1	WP 153101206.1
			WP 153102337.1	WP 153102336.1	WP 153102338.1
Betaproteobacteria	<i>Burkholderia bonniea</i>	i1, i2	WP 153074100.1	WP 153074099.1	
			WP 153075580.1	WP 153075579.1	
Betaproteobacteria	<i>Bordetella avium</i>	i4a	WP 119647618.1	WP 119647619.1	WP 119536710.1
Betaproteobacteria	<i>Cupriavidus taiwanensis</i>	i3	WP 115679530.1	WP 115679531.1	WP 115679529.1
Deltaproteobacteria	<i>Geobacter</i> sp. M21	i4a	WP 015836522.1	WP 015836523.1	WP 012774279.1
Epsilonproteobacteria	<i>Campylobacter jejuni</i>	i1	WP 087700196.1	WP 126265123.1	
Gammaproteobacteria	<i>Salmonella enterica</i> subsp. enterica serovar Typhimurium LT2	i3	NP 459270.1	NP 459271.1	NP 459269.1
Gammaproteobacteria	<i>Enterobacter cloacae</i>	i3	WP 047024474.1	WP 063861990.1	WP 063866598.1
Gammaproteobacteria	<i>Cronobacter sakazakii</i>	i2, i3	WP 007849582.1	WP 004385964.1	WP 007889015.1
			WP 007853510.1	WP 085958991.1	
Gammaproteobacteria	<i>Pantoea alhagi</i> LTYR-11Z	i3	WP 085068116.1	WP 085068115.1	WP 085068100.1
			WP 085069784.1	WP 085069786.1	WP 085069774.1
Gammaproteobacteria	<i>Serratia marcescens</i> kz11	i3	WP 015378282.1	WP 004934958.1	WP 103687201.1
			WP 004935376.1	WP 004935371.1	WP 103687226.1
Gammaproteobacteria	<i>Pseudomonas aeruginosa</i> PAO1	i1, i3, i4a	NP 248773.1	NP 250349.1	NP 248780.1
			NP 251055.1	NP 248774.1	NP 250353.1
					NP 251061.1
Gammaproteobacteria	<i>Gilliamella apicola</i> wkB1	i2	WP 025316042.1	WP 025316041.1	WP 025316036.1
Gammaproteobacteria	<i>Gilliamella</i> sp. A7	i2	WP 086363296.1	WP 086363295.1	WP 086363290.1
Gammaproteobacteria	<i>Gilliamella</i> sp. wkB308	i2	WP 065559521.1	WP 065559520.1	WP 065559515.1
Gammaproteobacteria	<i>Frischella perrara</i> PEB0191	i1, i2	WP 039105357.1	WP 039105358.1	WP 039105368.1
			WP 039105671.1	WP 039105670.1	WP 082018306.1
Gammaproteobacteria	<i>Candidatus "Schmidhempelia bombi"</i>	i2	WP 024496317.1	WP 024496316.1	WP 024496311.1
Gammaproteobacteria	<i>Pragia fontium</i>	i1, i2	WP 047780369.1	WP 047780368.1	WP 047780362.1
			WP 047780835.1	WP 047780836.1	WP 082118954.1
Gammaproteobacteria	<i>Pseudoalteromonas luteoviolacea</i>	i2	WP 039610623.1	WP 039610624.1	WP 046357733.1
Gammaproteobacteria	<i>Escherichia coli</i> O157:H7 EDL933	i1	WP 000037399.1	WP 000056994.1	WP 000614374.1

**Table S2 continued**

Class	Species	T6SS subfamily	TssB	TssC	TssH
Gammaproteobacteria	<i>Aliivibrio fischeri</i> FQ-A001	i1	WP 005418723.1	WP 011261636.1	WP 133415340.1
			WP 012535409.1	WP 063645634.1	WP 133416029.1
Gammaproteobacteria	<i>Vibrio cholerae</i> 10432-62	i1	WP 000031391.1	WP 032469832.1	WP 032469833.1
Gammaproteobacteria	<i>Aeromonas hydrophila</i>	i1	WP 130632564.1	WP 139389892.1	WP 168234847.1
Gammaproteobacteria	<i>Dickeya dadantii</i> DSM 18020	i1	WP 013317138.1	WP 013317139.1	WP 038910671.1
Gammaproteobacteria	<i>Shewanella psychrophila</i> WP2	i1	WP 077751561.1	WP 077751560.1	WP 077751552.1
Gammaproteobacteria	<i>Acinetobacter baumannii</i> ATCC 19606	i4b	WP 001119042.1	WP 001066523.1	WP 100223335.1
Gammaproteobacteria	<i>Pseudomonas putida</i> 1290	i1, i3	WP 050703367.1	WP 136913317.1	WP 136913314.1
			WP 136914036.1	WP 136914035.1	
Gammaproteobacteria	<i>Pseudomonas putida</i> KT2440	i4a	AAN68708.1	AAN68231.1	AAN68703.1
Gammaproteobacteria	<i>Edwardsiella anguillarum</i>	i2, i4a	WP 034166143.1	WP 034162666.1	WP 081926387.1
			WP 045424188.1	WP 038631670.1	WP 051905104.1
Gammaproteobacteria	<i>Acinetobacter baylyi</i>	i4b	WP 004929014.1	WP 120430446.1	WP 120430447.1
Gammaproteobacteria	<i>Salmonella bongori</i>	i1, i4a	HAB1658684.1	HAB1658685.1	HAB1658690.1
			HAB1661735.1	HAB1661734.1	HAB1661726.1
Gammaproteobacteria	<i>Gilliamella</i> sp. Choc5-1	i1	OCG49108.1	OCG49107.1	OCG49100.1
Gammaproteobacteria	<i>Gilliamella</i> sp. ESL0182	i1	WP 110432959.1	WP 110432960.1	WP 110432968.1
Gammaproteobacteria	<i>Frischella perrara</i> ESL0167	i1	WP 110444015.1	WP 110444016.1	WP 110444024.1
Flavobacteriia	<i>Apibacter adventoris</i> wkB180	iii	WP 105193632.1	WP 105193635.1	WP 105193633.1
Flavobacteriia	<i>Apibacter muscae</i>	iii	WP 146262280.1	WP 146262279.1	WP 146310390.1
Flavobacteriia	<i>Apibacter mensalis</i>	iii	WP 055426258.1	WP 141656254.1	WP 055426257.1
Flavobacteriia	<i>Flavobacterium johnsoniae</i> DSM 2064	iii	ABQ06283.1	ABQ06282.1	ABQ06297.1
Flavobacteriia	<i>Chryseobacterium aquaticum</i>	iii	WP 082171026.1	WP 056017893.1	WP 056017858.1
			WP 056017271.1	WP 056017274.1	WP 056016891.1
Bacteroidia	<i>Bacteroides fragilis</i> 638R	iii	CBW22515.1	CBW22514.1	CBW22513.1
Bacteroidia	<i>Bacteroides caccae</i> CL03T12C61	iii	EIY16150.1	EIY16149.1	EIY16154.1
Bacteroidia	<i>Bacteroides uniformis</i> CL03T00C23	iii	EIY72195.1	EIY72196.1	EIY72192.1