

		522		576
	Xylella fastidiosa 9a5c	77747494	TRNAGKHAGGVVIAPNPLTEFCPLFAEH	DENG
	Xylella fastidiosa M12	170729407	-----	-----
	Xylella fastidiosa Dixon	71276388	-----	-----
	Xylella fastidiosa Ann-1	71900814	-----	-----
	Xylella fastidiosa Temecula1	28198096	-----	-----
Xanthomonadales	Xanthomonas oryzae	353462904	-----E--S-----	--D- -----D---A-----
	Xanthomonas vesicatoria	325916626	-----E--S-----	--D- -----D---A-----
	Xanthomonas campestris	289662892	-----E--S-----	--D- -----D---A-----
	Xanthomonas axonopodis	346724307	-----D--S-----	--D- -----D---A-----
	Xanthomonas fuscans	294625959	-----D--S-----	--D- -----D---A-----
	Xanthomonas perforans	325929585	-----D--S-----	--D- -----D---A-----
	Xanthomonas gardneri	325923963	-----E--S-----	--G- ---Q---D---A-----
	Xanthomonas albilineans	285018805	-----T--SD-----	-VDH L-----D---Q-----
	Stenotrophomonas sp. SKA14	254524078	-----G-E-S-----Y---	-----L-----
	Stenotrophomonas maltophilia	194365029	-----G-E-S-----Y---	-----L-----
	Pseudoxanthomonas suwonensis	319787804	-----T--HT-----	-HD- L-R-----
	Pseudoxanthomonas spadix	357417821	-----S--SD-----	--GT -R-----D---A-----
	Rhodanobacter sp. 2APBS1	352086322	-----S--D-A--YC-A	G-GGV---Y--D---A-----
	Alcanivorax borkumensis	110834019	---V-----GK--D-A--YC-E	D-T-L---Y--D---SA-----
	Alteromonas macleodii	196156206	-----TTI--D-S--YCDD	E-N-----TA-----
	Arsenophonus nasoniae	284008505	-----TKI--D-A--YCDP	E-Q--L-----YA-----
	Citrobacter koseri	157147384	-----TKI--D-A--YCDE	A-QH-----YA-----
	Coxiella burnetii	212212283	-----TK--D-V--YS-P	GSDHV-----D---A-----
	Enterobacter cancerogenus	261338818	-----TKI--D-A--YCDE	A-HH-----YA-----
	Erwinia tasmaniensis	188533052	-----TQI--D-A--YCDE	H-NH-----YA-----
Escherichia coli	19548812	-----TKI--D-A--YCDE	E--H-----S---YA-----	
Idiomarina baltica	85713117	-----S--TTI--D-AA-YCDD	E-----SA-----	
Klebsiella pneumoniae	262044745	-----TKI--D-A--YCDE	Q-LH-----YA-----	
Methylophaga thiooxidans	254491862	---V-----KV--YT--YC--	N-AGL-S---D---S-----	
Nitrosococcus halophilus	292492697	-----KK--YV--YYC-Q	GASGV-----D-I-AI-----	
Pantoea ananatis	291616361	-----TKI--D-A--YCDE	N-QY-----YA-----	
Photorhabdus luminescens	37524688	-----TKI--D-S--YCDP	E-L-----YA-----	
Proteus mirabilis	227357235	-----S--TKI--D-A--YCDP	E-N-----YA-----	
Providencia rettgeri	291326493	-----TKI--D-A--YCDA	E-N-----YA-----	
Salmonella enterica	161504650	-----TKI--D-A--YCDE	E--H-----S---YA-----	
Serratia odorifera	293394718	-----TKI--D-A--YCDA	E-NH-----YA-----	
Shewanella amazonensis	119774291	-----TKI--D-S--YCDA	E-----YA-----	
Shigella boydii	82542783	-----TKI--D-A--YCDE	E--H-----S---YA-----	
Sodalis glossinidius	85059906	-----TKI--D-A--YCDG	E-NH-----YA-----	
Vibrio parahaemolyticus	254508656	-----S--TTI--D-A--IY-DA	E-HF-----TA-----	
Xenorhabdus nematophila	300724779	-----TKI--D-A--IYCDP	E-Q-----YA-----	
Yersinia pestis	167471052	-----TKI--D-A--YCDA	E-N-----YA-----	
Nitrobacter hamburgensis	92117240	--H-ST--A-I--GDR--S-LV--YRDP	KSDM----NMKW--PA-----	
Bradyrhizobium japonicum	27379977	--H-ST--A-I--GDR--S-LV--YRDP	KSDM----NMKW--PA-----	
Ralstonia pickettii	241663600	---V-M----L--GK--D---YTQG	-EDAGV-S-Y--D---A-----	
Methyloversatilis universalis	334132599	--GV-M----L--GK--D---YQQD	-DDAS--S---D---AI-----	
Pusillimonas sp. T7-7	332283756	---I-M----L--GK--D---YCQP	-VDTSA-S---D---AA-----	
Bordetella avium	187478729	---I-M----L--GK--D---YCQP	-QENYA-S---D---AA-----	
Thauera sp. MZ1T	217970003	S--V-M----L--GK--D---YIAD	-DDAT--S---D---A-----	
Aromatoleum aromaticum	56477932	S--V-M----L--GK--D---YIAD	-DEAT--S---D---A-----	
Chromobacterium violaceum	34496366	--GI-M----L--GR--D---YIAS	-D-AS--S---D---QI-----	

Figure S29

Partial sequence alignment of a conserved region DNA polymerase III subunit alpha showing a 4 aa insert that is commonly shared by all Xanthomonadales except *Rhodanobacter* sp. 2APBS1. This signature was previously identified by (Cutino-Jimenez et al., 2010) and was described as all Xanthomonadales specific Signature.