

Supplementary Table 2. All *Xanthomonas* spp used in this study for phylogenetic analysis with *recQ* gene

Organisms	Strain	Accession no.	Origin	Host	Disease	Reference
<i>Xanthomonas euvesicatoria</i>	LMG 930	CP018467	USA	<i>Capsicum frutescens</i>	Bacterial leaf spot	Richard et al. (2017)
<i>Xanthomonas euvesicatoria</i>	XeC10RQ	–	China	<i>Physalis pubescens</i>	BLS	This study
<i>Xanthomonas euvesicatoria</i>	XeH9RQ	–	China	<i>Physalis pubescens</i>	BLS	This study
<i>Xanthomonas euvesicatoria</i>	XeA10RQ	–	China	<i>Physalis pubescens</i>	BLS	This study
<i>Xanthomonas euvesicatoria</i>	XeB10RQ	–	China	<i>Physalis pubescens</i>	BLS	This study
<i>Xanthomonas perforans</i>	91-118	CP019725	USA	<i>Solanum lycopersicum</i> and <i>Piper nigrum</i>	BLS	Potnis et al. (2011)
<i>Xanthomonas axonopodis</i> pv. <i>commiphorae</i>	LMG26789	CP031059	India	<i>Commiphora wightii</i>		Bansal et al. (2018)
<i>Xanthomonas perforans</i>	LH3	CP018475	Mauritius	<i>Citrus orchard</i>	BLS	Richard et al. (2017)
<i>Xanthomonas citri</i> pv. <i>citri</i>	TX160149	CP020885	USA	<i>Citrus aurantifolia</i>	Citrus canker	Munoz-Bodnar et al. (2017)
<i>Xanthomonas citri</i> pv. <i>malva- cearum</i>	MS14003	CP023159	USA	<i>Gossypium hirsutum</i>	Cotton bacterial blight	Phillips et al. (2017)
<i>Xanthomonas citri</i> pv. <i>malva- cearum</i>	AR81009	CP023155	Argentina	<i>Gossypium hirsutum</i>	Cotton bacterial blight	Phillips et al. (2017)
<i>Xanthomonas fuscans</i> subsp. <i>fuscans</i>	ISO12C3	CP012055	Canada	Common bean	Common bacterial blight	Xie et al. (2015)
<i>Xanthomonas citri</i> pv. <i>phaseoli</i> var. <i>fuscans</i>	CFBP7767	CP021012	Cameroon	<i>Phaseolus</i> sp.	Common bacterial blight of bean	Ruh et al. (2017)
<i>Xanthomonas fuscans</i> subsp. <i>fuscans</i>	ISO118C1	CP012053	Canada	Common bean	Common bacterial blight	Xie et al. (2015)
<i>Xanthomonas axonopodis</i> pv. <i>citrumelo</i>	F1	CP002914	USA	<i>Citrumelo</i>	Citrus bacterial spot	Jalan et al. (2011)
<i>Xanthomonas campestris</i> pv. <i>vesicatoria</i>	85-10	CP017190	South Korea	Pepper plant	Bacterial spot disease	Seong et al. (2016)
<i>Xanthomonas campestris</i> pv. <i>vesicatoria</i>	85-10	AM039952	Germany	Pepper plant	Bacterial spot disease	Thieme et al. (2005)
<i>Xanthomonas euvesicatoria</i> pv. <i>alfalfa</i>	CFBP3836	CP072268	Sudan	<i>Medicago sativa</i>	Bacterial leaf and stem spot	Ruh et al. (2021)
<i>Xanthomonas citri</i> pv. <i>phaseoli</i> var. <i>fuscans</i>	CFBP6165	CP020998	Canada	<i>Phaseolus</i> sp.	Common bacterial blight of bean	Ruh et al. (2017)
<i>Xanthomonas vasicola</i>	NCPPB 902	CP034657	Sri Lanka	<i>Tripsacum laxum</i>	<i>Xanthomonas</i> wilt	Studholme et al. (2020)
<i>Xanthomonas vasicola</i> pv. <i>vasculorum</i>	Xv1601	CP025272	USA	<i>Zea mays</i>	Bacterial leaf streak of corn	Peng et al. (2017)
<i>Xanthomonas citri</i> pv. <i>citri</i>	TX160042	CP020882	USA	<i>Citrus aurantifolia</i>	Citrus canker	Munoz-Bodnar et al. (2017)
<i>Xanthomonas citri</i> pv. <i>citri</i>	TX160197	CP020889	USA	<i>Citrus hystrix</i>	Citrus canker	Munoz-Bodnar et al. (2017)
<i>Xanthomonas citri</i> pv. <i>glycines</i>	EB08	CP026334	USA	<i>Glycine max</i>	Bacterial pustules	Carpenter et al. (2019)
<i>Xanthomonas citri</i> pv. <i>glycines</i>	1157	CP041963	South Korea	<i>Glycine max</i>	Bacterial pustules	Kang et al. (2021)
<i>Xanthomonas citri</i> pv. <i>glycines</i>	K2	CP041967	South Korea	<i>Glycine max</i>	Bacterial pustules	Kang et al. (2021)

BLS, bacterial leaf spot.