

Supplementary data 1-Table 1 : strains of the formae speciales belonging to *Fusarium oxysporum* species complex used in this study

Strains	Accession Number	Host	Isolation_Source	Country
<i>Fusarium oxysporum</i> . f.sp.albedinis 133	JAAVJG000000000.1	date palm	wilt plant tissue	Morocco
<i>Fusarium oxysporum</i> . f.sp.albedinis 9	JAKELM000000000.1	date palm	diseased palm tree	Morocco
<i>Fusarium oxysporum</i> . f.sp.apii 207	JAAOOO000000000.1	<i>Apium graveolens</i>	agricultural field	USA
<i>Fusarium oxysporum</i> . f.sp.apii NRRL38295	JAAOOP000000000.1	<i>Apium graveolens</i>	agricultural field	USA
<i>Fusarium oxysporum</i> . f.sp.cepae FoC125	MRCV000000000.1	<i>Allium cepa</i>	Organic material	United Kingdom
<i>Fusarium oxysporum</i> . f.sp.cepae FoCFus2	MRCU000000000.1	<i>Allium cepa</i>	Organic material	United Kingdom
<i>Fusarium oxysporum</i> . f.sp.ciceris 38-1	MEHF000000000.1	Chickpea		India
<i>Fusarium oxysporum</i> . f.sp.Conglutinans 58385	NRHZ000000000.1	<i>Brassica oleracea</i>	root	USA
<i>Fusarium oxysporum</i> . f.sp.conglutinans FGL03-6	NRIA000000000.2	<i>Brassica oleracea</i>	root	China
<i>Fusarium oxysporum</i> . f.sp.conglutinans race 254008	AGNF000000000.1			
<i>Fusarium oxysporum</i> . f.sp.Coriandrii 3-2	JAAOON000000000.1	<i>Coriandrum sativum</i>	agricultural field	USA
<i>Fusarium oxysporum</i> . f.sp.Coriandrii G306	JAAOOM000000000.1	<i>Coriandrum sativum</i>	agricultural field	USA
<i>Fusarium oxysporum</i> . f.sp.cubense 160527	SRMI000000000.1	banana	infected banana	Japan
<i>Fusarium oxysporum</i> . f.sp.cubense C1HIR9889	MBFV000000000.1	<i>Musa acuminata</i>	roots	Malaysia
<i>Fusarium oxysporum</i> . f.sp.cucumerinum Foc018	MABM000000000.1			Greece
<i>Fusarium oxysporum</i> . f.sp.cucumerinum Foc030	MABN000000000.1			Israel
<i>Fusarium oxysporum</i> . f.sp.fragariae 160609	WINB000000000.1	<i>Fragaria x ananassa</i>	plant matter	South Korea
<i>Fusarium oxysporum</i> . f.sp.fragariae BRIP5168a	WIMZ000000000.1	<i>Fragaria x ananassa</i>	plant matter	Australia
<i>Fusarium oxysporum</i> . f.sp.gladioli G2	NJCL000000000.1	<i>Gladiolus</i>	<i>Gladiolus</i> sp	France
<i>Fusarium oxysporum</i> . f.sp.gladioli G76	NJCK000000000.1	<i>Gladiolus</i>	<i>Gladiolus</i> sp	Italy
<i>Fusarium oxysporum</i> . f.sp.koaei 44	CP052908.1-CP052907.1	<i>Acacia koa</i>	Plant	USA
<i>Fusarium oxysporum</i> . f.sp.lagenariae 01-03008	NJCJ000000000.1	<i>Lagenaria</i>	<i>Lagenaria</i> sp	Japan
<i>Fusarium oxysporum</i> . f.sp.lagenariae Lag3-1	NJCH000000000.1	<i>Lagenaria</i>	<i>Lagenaria</i> sp	Japan

Fusarium oxysporum. f.sp.lilii Fol39	NJCF00000000.1	Lilium	Lilium sp	Netherlands
Fusarium oxysporum. f.sp.lini F282	JABJUB000000000.1	Linum usitatissimum	flax root	Russia
Fusarium oxysporum. f.sp.lini F324	JABJUD000000000.1	Linum usitatissimum	flax root	Russia
Fusarium oxysporum. f.sp.lycopersici Fol014	MALJ00000000.1			USA
Fusarium oxysporum. f.sp.lycopersici Fol074	MALS00000000.1			USA
Fusarium oxysporum. f.sp.matthiolae PHW726	WJXY00000000.1	Matthiola incana		USA
Fusarium oxysporum. f.sp.medicaginis Fom-5190a	LSNI00000000.1	Medicago sativa	wilting leaves in a field of Medicago sativa	Australia
Fusarium oxysporum. f.sp.melongenae J-71	NJCC00000000.1		Solanum melongena	
Fusarium oxysporum. f.sp.melonis 26406	AGNE00000000.1			
Fusarium oxysporum. f.sp.melonis Fom005	MALY00000000.2			Spain
Fusarium oxysporum. f.sp.momordicae 90NF2-1	NJCA00000000.1	Momordica	Momordica sp	Japan
Fusarium oxysporum. f.sp.momordicae NRRL26413	NJCB00000000.1	Momordica	Momordica sp	Taiwan
Fusarium oxysporum. f.sp.narcissi N139	MQTW00000000.1	Narcissus	plant bulb	United Kingdom
Fusarium oxysporum. f.sp.narcissi Na5	NJCV00000000.1	Narcissus	Narcissus sp	Netherlands
Fusarium oxysporum. f.sp.nicotianae Ft-1512	NJCU00000000.1	Nicotiana	Nicotiana sp	USA
Fusarium oxysporum. f.sp.nicotianae Ft-Rob	NJBX00000000.1	Nicotiana	Nicotiana sp	USA
Fusarium oxysporum. f.sp.niveum Fon002	MALA00000000.1			Israel
Fusarium oxysporum. f.sp.niveum R1	JACRUY000000000.1	Citrullus lanatus	Watermelon plant	USA
Fusarium oxysporum. f.sp.pisi HDV247	AGBI00000000.1			
Fusarium oxysporum. f.sp.radicis-cucumerinum Forc024	MABR00000000.1			Greece
Fusarium oxysporum. f.sp.radicis-cucumerinum Forc031	MABS00000000.1			Greece
Fusarium oxysporum. f.sp.radicis-lycopersici 26381	AGNB00000000.1			
Fusarium oxysporum. f.sp.raphani 54005	AGNG00000000.1			
Fusarium oxysporum. f.sp.spinaciae Fus254	JAALGI000000000.1	Spinacia oleracea	spinach	USA

Fusarium oxysporum. f.sp.spinaciae MF15	JABCQZ000000000.1	Spinacia oleracea		USA
Fusarium oxysporum. f.sp.tulipaeTu67	NJBS000000000.1	tulip bulb	infected tulip bulb	Netherlands
Fusarium oxysporum. f.sp.Vasinflectum LA1E	VINN000000000.1		Mycellium	USA
Fusarium oxysporum. f.sp.Vasinflectum NRRL31665	JAANYM000000000.1	cotton	cotton roots	