Table S1

Table S1. Collection details and GenBank accession numbers of strains used in the phylogenetic trees.

Species	Species complex	Culture accession number used in phylogenetic trees[1]	Status of culture	Accession number in other culture or working collections[1]	Substrate of origin	Country of origin	GenBank accession number(s)[2,3]					
							cmdA	*rpb1*	*rpb2* (part 1)	*rpb2* (part 2)	*tef1*	*tub2*
Fusarium acaciae-mearnsii	sambucinum	NRRL 26752	–	CBS 110253	Soil	Australia	JAGDVM010000002.1	JAGDVM010000003.1	JAGDVM010000008.1	JAGDVM010000008.1	AF212447	–
	sambucinum	NRRL 26754	ex-type	CBS 110254 = MRC 5120 = NRRL 25754	*Acacia mearnsii*	South Africa	JAAWUD010000031	JAAWUD010000100	JAAWUD010000080	JAAWUD010000080	AF212448	–
	sambucinum	NRRL 26755	–	–	Soil	Australia	–	MW233257	MW233429	MW233429	AF212449	–
Fusarium aconidiale	citricola	CBS 147772	ex-type	CPC 37959 = UBOCC-A-109005	*Triticum aestivum*	France	MZ078177	MZ078192	MZ078218	–	MZ078246	–
Fusarium acuminatum	tricinctum	NRRL 54213	–	–	–	–	–	–	HM068331	HM068331	HM068311	–
	tricinctum	NRRL 54216	–	–	–	–	–	–	HM068334	HM068334	HM068314	–
	tricinctum	NRRL 54217	–	–	–	–	–	–	HM068335	HM068335	HM068315	–
	tricinctum	NRRL 54218	–	–	–	–	–	–	HM068336	HM068336	HM068316	–
Fusarium aethiopicum	sambucinum	CBS 122858	ex-type	NRRL 46726	Wheat seed	Ethiopia	–	MW233298	MW233470	MW233470	FJ240298	–
Fusarium andiyazi	fujikuroi	MRC 6122	ex-type	CBS 119857 = FRC M-8413 = KSU 4804 = NRRL 31727	*Sorghum bicolor* soil debris	South Africa	LT996176	LT996189	LT996138	–	LT996092	–
Fusarium arcuatisporum	incarnatum-equiseti	CGMCC 3.19493	ex-type	LC12147	*Brassica campestris*, pollen	China	MK289697	MK289799	MK289739	–	MK289584	–
	incarnatum-equiseti	LC11639	–	–	*Oryza* sp.	China	MK289658	MK289798	MK289736	–	MK289586	–
	incarnatum-equiseti	NRRL 32997	–	–	Human toenail	USA	GQ505536	HM347164	GQ505802	–	GQ505624	–
Fusarium asiaticum	sambucinum	NRRL 13818	ex-type	CBS 110257 = FRC R-5469	*Hordeum vulgare*	Japan	–	JX171459	JX171573	JX171573	AF212451	–
	sambucinum	NRRL 28720	–	CBS 110259 = FRC R-9402	*Zea mays*	Nepal	–	LHTZ01000010.1	LHTZ01000031.1	LHTZ01000031.1	AF212453	–
Fusarium austroamericanum	sambucinum	NRRL 28585	–	BBA 65928 = CBS 110245	Herbaceous vine	Brazil	–	KM361643	KM361661	KM361661	AF212439	–
	sambucinum	NRRL 2903	ex-type	CBS 110244	Polypore	Brazil	JAAMOD000000000	JAAMOD010000093	JAAMOD010000230	JAAMOD010000315	JAAMOD010000079	–
Fusarium avenaceum	tricinctum	CBS 408.86	ex-neotype	FRC R-8510 = IMI 309354 = NRRL 26850 = NRRL 26911	*Hordeum vulgare*	Denmark	–	MG282372	MG282401	MG282401	MW928836	–
	tricinctum	NRRL 54939	–	Fa05001	*Hordeum vulgare*	Finland	–	JX171551	JX171663	JX171663	MH582391	–
Fusarium boothii	sambucinum	CBS 316.73	ex-type	ATCC 24373 = IMI 160243 = NRRL 26855 = NRRL 26916	*Zea mays*	South Africa	–	KM361641	KM361659	KM361659	GQ915503	–
Fusarium brachygibbosum	fujikuroi	NRRL 20954	–	BBA 64691	*Sorghum vulgare*	India	–	–	MH845430	–	MW233075	–
	fujikuroi	NRRL 25093	–	–	*Tectona grandis*	India	–	–	JF740956	–	JF740722	–
Fusarium brasilicum	sambucinum	NRRL 31238	–	–	Barley	Brazil	–	KM361645	KM361663	KM361663	–	–
	sambucinum	NRRL 31281	ex-type	CBS 119180	*Avena sativa*	Brazil	–	JABCJS010000032	JABCJS010000357	JABCJS010000357	AY452964	–
Fusarium brevicatenulatum	fujikuroi	BBA 69197	ex-type	CBS 404.97 = DAOM 225122 = IMI 375329 = NRRL 25446	*Striga asiatica*	Madagascar	MT010895	MT010948	MT010979	–	MT011005	–
	fujikuroi	CBS 100196	–	BBA 69198 = NRRL 25447	*Striga asiatica*	Madagascar	–	MN193915	MN193887	–	MN193859	–
Fusarium brevicaudatum	incarnatum-equiseti	NRRL 43638	ex-type	UTHSC R-3500	*Trichechus* sp. (manatee)	USA	GQ505576	KC808322	GQ505843	–	GQ505665	–
	incarnatum-equiseti	NRRL 43694	–	–	Human eye	USA	GQ505579	HM347193	GQ505846	–	GQ505668	–
Fusarium callistephi	oxysporum	CBS 115423	–	–	*Agathosma betulina*	South Africa	MH484723	–	MH484905	–	MH484996	MH485087
	oxysporum	CBS 187.53	ex-type	–	*Callistephus chinensis*	Netherlands	MH484693	–	MH484875	–	MH484966	MH485057
Fusarium carminascens	oxysporum	CBS 144738	ex-type	CPC 25800	*Zea mays*	South Africa	MH484755	–	MH484937	–	MH485028	MH485119
	oxysporum	CBS 144739	–	CPC 25792	*Zea mays*	South Africa	MH484752	–	MH484934	–	MH485025	MH485116
	oxysporum	CBS 144740	–	CPC 25793	*Zea mays*	South Africa	MH484753	–	MH484935	–	MH485026	MH485117
	oxysporum	CBS 144741	–	CPC 25795	*Zea mays*	South Africa	MH484754	–	MH484936	–	MH485027	MH485118
Fusarium cateniforme	incarnatum-equiseti	CBS 150.25	ex-type	ATCC 11853	–	–	MN170317	–	MN170384	–	MN170451	–
Fusarium celtidicola	citricola	MFLUCC 16-0526	ex-type	KUMCC 16-0019	*Celtis australis*	Italy	–	MH576579	MH576577	–	–	–
Fusarium cerealis	sambucinum	CBS 119873	–	FRC R-4758 = MRC 2878	Pasture soil	USA	–	MZ921689	MZ921800	MZ921823	MZ921929	–
Fusarium citricola	citricola	CBS 142421	ex-type	CPC 27805	*Citrus reticulata*, crown canker	Italy	–	LT746290	LT746310	–	LT746197	–
	citricola	CPC 27067	–	–	*Citrus limon*, twigs canker	Italy	–	LT746287	LT746307	–	LT746194	–
Fusarium clavus	incarnatum-equiseti	CBS 119881	–	MRC 8412 = KSU 11437 = Univ. Sydney 6510	–	–	MN170323	–	MN170390	–	MN170457	–
	incarnatum-equiseti	CBS 126202	ex-type	–	Desert soil	Namibia	MN170322	–	MN170389	–	MN170456	–
	incarnatum-equiseti	CBS 394.93	–	BBA 64265 = NRRL 25795	*Disphyma crassifolium*	Germany	GQ505509	–	GQ505775	–	GQ505597	–
	incarnatum-equiseti	NRRL 43623	–	–	Human sinus cavity	USA	GQ505572	–	GQ505839	–	GQ505661	–
Fusarium coicis	fujikuroi	NRRL 66233	ex-type	FRL 19329 = RBG 5368	*Coix gasteenii*	Australia	LT996178	KP083269	KP083274	KP083274	KP083251	–
Fusarium compactum	incarnatum-equiseti	CBS 185.31	–	NRRL 36318	–	–	GQ505558	–	GQ505824	–	GQ505646	–
	incarnatum-equiseti	CBS 186.31	ex-epitype	NRRL 36323	Cotton thread	UK	GQ505560	–	GQ505826	–	GQ505648	–
	incarnatum-equiseti	NRRL 28029	–	–	Human eye	USA	GQ505514	–	GQ505780	–	GQ505602	–
Fusarium contaminatum	oxysporum	CBS 111552	–	–	Pasteurised fruit juice	Netherlands	MH484718	–	MH484900	–	MH484991	MH485082
	oxysporum	CBS 114899	ex-type	–	Pasteurised chocolate milk	Germany	MH484719	–	MH484901	–	MH484992	MH485083
	oxysporum	CBS 117461	–	–	Tetra pack with milky nutrition	Netherlands	MH484729	–	MH484911	–	MH485002	MH485093
Fusarium cortaderiae	sambucinum	NRRL 29297	ex-type	CBS 119183 = ICMP 5435	*Cortaderia selloana*	New Zealand	–	KM361644	KM361662	KM361662	AY225885	–
Fusarium croceum	incarnatum-equiseti	CBS 131777	ex-type	–	*Triticum* sp.	Iran	MN170329	–	MN170396	–	MN170463	–
	incarnatum-equiseti	NRRL 3020	–	FRC R-6053 = MRC 2231	–	–	GQ505498	–	GQ505764	–	GQ505586	–
Fusarium cugenangense	oxysporum	CBS 130304	–	BBA 69050 = NRRL 25433	*Gossypium barbadense*	China	MH484739	–	MH484921	–	MH485012	MH485103
	oxysporum	CBS 620.72	–	DSM 11271 = NRRL 36520	*Crocus* sp.	Germany	MH484697	–	MH484879	–	MH484970	MH485061
	oxysporum	InaCC F983	–	–	*Musa* sp. var. Pisang Kepok	Indonesia	–	LS479559	LS479307	–	LS479756	–
	oxysporum	InaCC F984	ex-type	–	*Musa* sp. var. Pisang Kepok	Indonesia	–	LS479560	LS479308	–	LS479757	–
Fusarium culmorum	sambucinum	CBS 417.86	ex-epitype	FRC R-8504 = IMI 309344 = NRRL 25475	Barley kernel	Denmark	JABFEU010000055	JX171515	JX171628	JX171628	KY873384	–
Fusarium curvatum	oxysporum	CBS 141.95	–	NRRL 36251 = PD 94/1518	*Hedera helix*	Netherlands	MH484712	–	MH484894	–	MH484985	MH485076
	oxysporum	CBS 238.94	ex-type	NRRL 26422 = PD 94/184	*Beaucarnia* sp.	Netherlands	MH484711	MW928804	MH484893	–	MH484984	MH485075
	oxysporum	CBS 247.61	–	BBA 8398 = DSM 62308 = NRRL 22545	*Matthiola incana*	Germany	MH484694	–	MH484876	–	MH484967	MH485058
Fusarium dactylidis	sambucinum	NRRL 29298	ex-type	CBS 119181 = ICMP 5269	*Dactylis glomerata*	New Zealand	–	KM361654	KM361672	KM361672	DQ459748	–
	sambucinum	NRRL 29380	–	CBS 123656 = FRC R-7593	Orchard grass	USA	MZ921620	KM361653	KM361671	KM361671	AY452959	–
Fusarium diversisporum	tricinctum	CBS 795.70	–	BBA 11129	Branch of *Prunus domestica* infested with *Diaspidiotus* sp.	Iran	MZ921621	MZ921690	MZ921801	MZ921824	MZ921930	–
Fusarium duofalcatisporum	incarnatum-equiseti	CBS 264.50	–	NRRL 36401	*Gossypium hirsutum*	Mozambique	GQ505563	–	GQ505829	–	GQ505651	–
	incarnatum-equiseti	CBS 384.92	ex-type	NRRL 36448	*Phaseolus vulgaris*, seed	Sudan	GQ505564	–	GQ505830	–	GQ505652	–
Fusarium duoseptatum	oxysporum	CBS 102026	–	NRRL 36115	*Musa sapientum* cv. Pisang ambon	Malaysia	MH484714	–	MH484896	–	MH484987	MH485078
	oxysporum	InaCC F828	–	–	*Musa* sp. var. Pisang Rastali	Indonesia	–	LS479520	LS479266	–	LS479715	–
	oxysporum	InaCC F831	–	–	*Musa* sp. var. Pisang Rastali	Indonesia	–	LS479538	LS479285	–	LS479734	–
	oxysporum	InaCC F916	ex-type	–	*Musa* sp. var. Pisang Kepok	Indonesia	–	LS479495	LS479239	–	LS479688	–

Table S1 (Continued)

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							cmdA	*rpb1*	*rpb2* (part 1)	*rpb2* (part 2)	*tef1*	*tub2*
Fusarium elaeidis	oxysporum	CBS 217.49	ex-type	NRRL 36358	*Elaeis* sp.	Zaire	MH484688	–	MH484870	–	MH484961	MH485052
	oxysporum	CBS 218.49	–	NRRL 36359	*Elaeis* sp.	Zaire	MH484689	–	MH484871	–	MH484962	MH485053
	oxysporum	CBS 255.52	–	NRRL 36386	Inoculated *Elaeis guineensis* plant	–	MH484692	–	MH484874	–	MH484965	MH485056
Fusarium equiseti	incarnatum-equiseti	CBS 307.94	ex-epitype	BBA 68556 = NRRL 26419	Soil	Germany	GQ505511	–	GQ505777	–	GQ505777	–
	incarnatum-equiseti	NRRL 66338	–	ITEM 11363	Oats	Canada	–	–	LN901609	–	LN901574	–
Fusarium fabacearum	oxysporum	CBS 144742	–	CPC 25801	*Zea mays*	South Africa	MH484756	MZ921691	MH484938	–	MH485029	MH485120
	oxysporum	CBS 144743	ex-type	CPC 25802	*Glycine max*	South Africa	MH484757	–	MH484939	–	MH485030	MH485121
	oxysporum	CBS 144744	–	CPC 25803	*Glycine max*	South Africa	MH484758	–	MH484940	–	MH485031	MH485122
Fusarium flagelliforme	incarnatum-equiseti	CBS 162.57	ex-type	NRRL 36269	*Pinus nigra*	Croatia	GQ505557	–	GQ505823	–	GQ505645	–
	incarnatum-equiseti	NRRL 31011	–	BBA 69079	*Thuja* sp.	Germany	GQ505518	–	GQ505784	–	GQ505606	–
Fusarium flocciferum	tricinctum	CBS 821.68	ex-epitype	NRRL 28450	Soil	Germany	MZ921622	MW928807	MW928824	MW928824	MW928837	–
	tricinctum	NRRL 25473	–	CBS 831.85	*Triticum aestivum*	Germany	–	JX171514	–	–	–	–
	tricinctum	NRRL 45999	–	UTHSC 06-3449	Human scalp	USA	GQ505401	HM347195	GQ505497	GQ505497	GQ505433	–
	tricinctum	NRRL 54147	–	CM 3913	Human pericardic fluid	Spain	–	–	MH582369	MH582369	MH582390	–
Fusarium foetens	oxysporum	CBS 110286	ex-type	CBS 120665	*Nicotiana tabacum*	Iran	–	MW928808	MH484918	–	MH485009	MH485100
	oxysporum	NRRL 38302	–	–	*Pinus radiata*, seedling stem	Chile	–	JX171540	JX171652	–	GU170559	KU171783
Fusarium fujikuroi	fujikuroi	CBS 221.76	ex-type	BBA 12428 = BBA 63630 = IHEM 3821 = IMI 196086 = IMI 202879 = NRRL 13620 = NRRL 13998 = NRRL 22174	*Oryza sativa*	Taiwan	KU603995	–	MW834005	–	AF160279	–
	fujikuroi	NRRL 5538	–	ATCC 38941 = DAOM 225143 = IMI 300793 = IMI 375349 = NRRL A-26483 = NRRL 13566	*Oryza sativa*	China	–	JX171456	JX171570	–	AF160279	–
Fusarium gamsii	tricinctum	CBS 143610	ex-type	CPC 30862 = OrSaAg4	*Agaricus bisporus*	Iran	–	–	LT970760	LT970760	LT970788	–
Fusarium gerlachii	sambucinum	NRRL 36905	ex-type	–	*Triticum aestivum*	USA	–	KM361646	KM361664	KM361664	DQ459742	–
Fusarium globosum	fujikuroi	NRRL 26131	ex-type	CBS 428.97 = DAOM 225124 = FRC M-8014 = IMI 375330 = MRC 6647 = PREM 51878	*Zea mays*, seed	South Africa	KF466329	KF466396	KF466406	KF466406	KF466417	KF466439
Fusarium glycines	oxysporum	CBS 144745	–	CPC 25804	*Glycine max*	South Africa	MH484759	–	MH484941	–	MH485032	MH485123
	oxysporum	CBS 144745	–	CPC 25804	*Glycine max*	South Africa	–	–	MH484941	MH484941	MH485032	–
	oxysporum	CBS 144746	ex-type	CPC 25808	*Glycine max*	South Africa	MH484760	–	MH484942	–	MH485033	MH485124
	oxysporum	CBS 176.33	–	NRRL 36286	*Linum usitatissium*	–	MH484686	–	MH484868	–	MH484959	MH485050
	oxysporum	CBS 214.49	–	LCF F-245 = NRRL 36356	–	Argentina	MH484687	–	MH484869	–	MH484960	MH485051
Fusarium gossypinum	oxysporum	CBS 116611	–	–	*Gossypium hirsutum*	Ivory Coast	MH484725	–	MH484907	–	MH484998	MH485089
	oxysporum	CBS 116612	–	–	*Gossypium hirsutum*	Ivory Coast	MH484726	–	MH484908	–	MH484999	MH485090
	oxysporum	CBS 116613	ex-type	–	*Gossypium hirsutum*	Ivory Coast	MH484727	–	MH484909	–	MH485000	MH485091
Fusarium gracilipes	incarnatum-equiseti	NRRL 43635	ex-type	–	Horse	USA	GQ505573	HM347188	GQ505840	–	GQ505662	–
Fusarium graminearum	sambucinum	CBS 123657	–	NRRL 31084	Corn	USA	–	JX171531	JX171644	JX171644	HM744693	–
	sambucinum	CBS 136009	ex-epitype	TMW 4.0157	*Hordeum vulgare*	Germany	MZ921623	MW928810	MW928826	MW928826	MW928838	–
Fusarium grosmichelii	oxysporum	InaCC F833	ex-type	–	*Musa* sp. var. Pisang Awak	Indonesia	–	LS479548	LS479295	–	LS479744	–
	oxysporum	InaCC F850	–	–	*Musa acuminata* var. Pisang Ambon	Indonesia	–	–	LS479340	–	LS479788	–
	oxysporum	InaCC F855	–	–	*Musa acuminata* var. Pisang Ambon Lumut	Indonesia	–	LS479592	LS479346	–	LS479794	–
	oxysporum	InaCC F861	–	–	*Musa acuminata* var. Cavendish	Indonesia	–	LS479597	LS479351	–	LS479797	–
	oxysporum	InaCC F887	–	–	*Musa* sp. var. Pisang Siem Jumbo	Indonesia	–	LS479620	LS479388	–	LS479830	–
Fusarium hexaseptatum	oxysporum	InaCC F866	ex-type	–	*Musa acuminata* var. Pisang Ambon Kuning	Indonesia	–	–	LS479359	–	LS479805	–
Fusarium hoodiae	oxysporum	CBS 132474	ex-type	–	*Hoodia gordonii*	South Africa	MH484747	–	MH484929	–	MH485020	MH485111
	oxysporum	CBS 132476	–	–	*Hoodia gordonii*	South Africa	MH484748	–	MH484930	–	MH485021	MH485112
	oxysporum	CBS 132477	–	–	*Hoodia gordonii*	South Africa	MH484749	–	MH484931	–	MH485022	MH485113
Fusarium hostae	redolens	FRC O-2071	–	NRRL 29888	Container-grown hosta plants	USA	–	–	MT409445	–	MT409455	–
	redolens	FRC O-2074	ex-type	NRRL 29889	Container-grown hosta plants	USA	–	JX171527	JX171640	–	AY329034	–
Fusarium inflexum	oxysporum	CBS 716.74	ex-type	ATCC 32213 = BBA 63203 = DAOM 225130 = DSM 63203 = IMI 375336 = NRRL 20433	*Vicia faba*, stem	Germany	–	JX171469	JX171583	–	AF008479	U34435
Fusarium ipomoeae	incarnatum-equiseti	CGMCC 3.19496	ex-type	LC12165	*Ipomoea aquatica*	China	MK289704	MK289859	MK289752	–	MK289599	–
	incarnatum-equiseti	CQ1099	–	–	*Rhododendron pulchrum*	China	MK289715	MK289861	MK289727	–	MK289573	–
	incarnatum-equiseti	CQ1132	–	–	*Vinca major*	China	MK289716	MK289862	MK289728	–	MK289574	–
	incarnatum-equiseti	LC0166	–	–	*Solanum lycopersicum*	China	MK289659	MK289848	MK289733	–	MK289579	–
	incarnatum-equiseti	LC0455	–	–	*Hosta* sp.	China	MK289660	MK289849	MK289734	–	MK289580	–
	incarnatum-equiseti	LC12162	–	–	*Musa nana*	China	MK289655	MK289847	MK289749	–	MK289596	–
	incarnatum-equiseti	LC12163	–	–	*Hibiscus syriacus*	China	MK289700	MK289857	MK289750	–	MK289597	–
	incarnatum-equiseti	LC12166	–	–	*Lagenaria siceraria*	China	MK289706	MK289860	MK289753	–	MK289600	–
	incarnatum-equiseti	NRRL 34034	–	UTHSC 94-1167	Human leg	USA	GQ505548	–	GQ505814	–	GQ505636	–
	incarnatum-equiseti	NRRL 34039	–	UTHSC 96-1394	Human	USA	GQ505551	–	GQ505817	–	GQ505639	–
	incarnatum-equiseti	NRRL 43637	–	UTHSC 05-1729	Dog	USA	GQ505575	–	GQ505842	–	GQ505664	–
	incarnatum-equiseti	NRRL 43640	–	UTHSC 04-123	Dog nose	USA	GQ505578	HM347191	GQ505845	–	GQ505667	–
Fusarium iranicum	tricinctum	CBS 143608	ex-type	CPC 30860	*Agaricus bisporus*	Iran	–	–	LT970757	LT970757	LT970785	–
	tricinctum	CBS 143611	–	CPC 30863	*Agaricus bisporus*	Iran	–	–	LT970758	LT970758	LT970786	–
Fusarium juglandicola	citricola	CBS 147773	ex-type	CPC 37962 = UBOCC-A-119001	*Juglans regia*, bud	France	MZ078174	MZ078190	MZ078215	–	MZ078243	–
	citricola	CBS 147774	–	CPC 37956 = UBOCC-A-101147	*Juniperus* sp.	France	MZ078175	–	MZ078216	–	MZ078244	–
	citricola	CBS 147775	–	CPC 37957 = UBOCC-A-102014	Eggs	France	MZ078176	MZ078191	MZ078217	–	MZ078245	–
Fusarium kalimantanense	oxysporum	InaCC F917	ex-type	–	*Musa acuminata* var. Pisang Ambon	Indonesia	–	LS479497	LS479241	–	LS479690	–
	oxysporum	InaCC F918	–	–	*Musa acuminata* var. Pisang Ambon	Indonesia	–	–	LS479242	–	LS479691	–

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							cmdA	*rpb1*	*rpb2* (part 1)	*rpb2* (part 2)	*tef1*	*tub2*
	oxysporum	InaCC F922	–	–	*Musa acuminata* var. Pisang Ambon	Indonesia	–	–	LS479246	–	LS479695	–
Fusarium lacertarum	incarnatum-equiseti	ATCC 42771	ex-type	CBS 130185 = IMI 300797 = NRRL 20423	Lizard skin	India	GQ505505	JX171467	JX171581	–	GQ505593	–
	incarnatum-equiseti	NRRL 36123	–	CBS 102300 = BBA 70843	–	–	GQ505555	–	GQ505821	–	GQ505643	–
Fusarium lactis	fujikuroi	BBA 68590	ex-epitype	CBS 411.97 = DAOM 225145 = IMI 375351 = NRRL 25200	*Ficus carica*	USA	AF158325	LT996201	LT996149	–	AF160272	–
Fusarium languescens	oxysporum	CBS 413.90	–	ATCC 66046 = NRRL 36465	*Solanum lycopersicum*	Israel	MH484708	–	MH484890	–	MH484981	MH485072
	oxysporum	CBS 645.78	ex-type	NRRL 36531	*Solanum lycopersicum*	Morocco	MH484698	–	MH484880	–	MH484971	MH485062
	oxysporum	CBS 646.78	–	NRRL 36532	*Solanum lycopersicum*	Morocco	MH484699	–	MH484881	–	MH484972	MH485063
	oxysporum	CBS 872.95	–	NRRL 36570	*Lycopersicon esculentum*	Israel	MH484713	–	MH484895	–	MH484986	MH485077
Fusarium libertatis	oxysporum	CBS 144747	–	CPC 25788	*Aspalathus* sp.	South Africa	MH484752	–	MH484933	–	MH485024	MH485115
	oxysporum	CBS 144748	–	CPC 25782	*Aspalathus* sp.	South Africa	MH484750	–	MH484932	–	MH485023	MH485114
	oxysporum	CBS 144749	ex-type	CPC 28465	Rock surface	South Africa	MH484762	–	MH484944	–	MH485035	MH485126
Fusarium longicaudatum	incarnatum-equiseti	CBS 123.73	ex-type	ATCC 24370 = IMI 160825 = NRRL 25477	–	Tanzania	MN170347	–	MN170414	–	MN170481	–
Fusarium longifundum	incarnatum-equiseti	CBS 235.79	ex-type	NRRL 36372	Air	Netherlands Antilles	GQ505561	–	GQ505827	–	GQ505649	–
Fusarium louisianense	sambucinum	NRRL 54196	–	–	*Triticum aestivum*, seed	USA	–	KM889654	–	–	KM889632	–
	sambucinum	NRRL 54197	ex-type	CBS 127525	*Triticum aestivum*, seed	USA	–	KM889655	KM889657	KM889657	KM889633	–
Fusarium madaense	fujikuroi	CBS 146656	–	CPC 38330	*Arachis hypogaea*	Nigeria	LR792534	LR792574	LR792588	–	LR792624	–
	fujikuroi	CBS 146669	ex-type	CPC 38344	*Arachis hypogaea*	Nigeria	LR792535	LR792575	LR792589	–	LR792625	–
Fusarium meridionale	sambucinum	NRRL 28436	ex-type	CBS 110247 = FRC R-5329	*Citrus sinensis*, twig	New Caledonia	–	KM361642	KM361660	KM361660	AF212435	–
Fusarium mesoamericanum	sambucinum	NRRL 25797	ex-type	CBS 415.86 = FRC R-8506 = IMI 309346	*Musa* sp., fruit	Honduras	–	KM361639	KM361657	KM361657	AF212441	–
Fusarium mucidum	incarnatum-equiseti	CBS 102395	ex-type	–	*Anacardium occidentale*, mouldy nut	El Salvador	MN170351	–	MN170418	–	MN170485	–
	incarnatum-equiseti	Indo 175	–	–	*Musa acuminata*	Indonesia	LS479431	–	LS479862	–	LS479447	–
Fusarium musae	fujikuroi	MUCL 52574	ex-type	CBS 624.87 = NRRL 25059	*Musa* sp.	Honduras	FN552064	JACCKU010000017	FN552108	–	FN552086	–
Fusarium napiforme	fujikuroi	BBA 69861	ex-type	CBS 748.97 = DAOM 225147 = FRC M-3563 = IMI 375353 = MRC 4144 = NRRL 13604	*Pennisetum typhoides*	Namibia	–	HM347136	EF470117	–	AF160266	–
Fusarium neoscirpi	incarnatum-equiseti	CBS 610.95	ex-type	NRRL 26861 = NRRL 26922	Soil	France	GQ505513	–	GQ505779	–	GQ505601	–
Fusarium nepalense	sambucinum	NRRL 54222	ex-type	CBS 127503	*Oryza sativa*	Nepal	–	KM361650	KM361668	KM361668	KM889631	–
Fusarium nirenbergiae	oxysporum	CBS 115417	–	CPC 5306	*Agathosma betulina*	South Africa	MH484721	–	MH484903	–	MH484994	MH485085
	oxysporum	CBS 115424	–	CPC 5312	*Agathosma betulina*	South Africa	MH484724	–	MH484906	–	MH484997	MH485088
	oxysporum	CBS 123062	–	GJS 91-17	Tulip roots	USA	MH484737	–	MH484919	–	MH485010	MH485101
	oxysporum	CBS 129.24	–	–	*Secale cereale*	–	MH484682	–	MH484864	–	MH484955	MH485046
	oxysporum	CBS 130300	–	NRRL 26368	Amputated human toe	USA	MH484743	–	MH484925	–	MH485016	MH485107
	oxysporum	CBS 130301	–	NRRL 26374	Human leg ulcer	USA	MH484744	–	MH484926	–	MH485017	MH485108
	oxysporum	CBS 149.25	–	NRRL 36261	*Musa* sp.	–	MH484683	–	MH484865	–	MH484956	MH485047
	oxysporum	CBS 744.79	–	BBA 62355 = NRRL 22549	*Passiflora edulis*	Brazil	MH484700	–	MH484882	–	MH484973	MH485064
	oxysporum	CBS 758.68	–	NRRL 36546	*Solanum lycopersicum*	Netherlands	MH484695	–	MH484877	–	MH484968	MH485059
	oxysporum	CBS 840.88	ex-type	–	*Dianthus caryophyllus*	Netherlands	MH484705	–	MH484887	–	MH484978	MH485069
	oxysporum	CPC 30807	–	–	–	South Africa	MH484768	–	MH484950	–	MH485041	MH485132
Fusarium odoratissimum	oxysporum	CBS 794.70	–	BBA 11103 = NRRL 22550	*Albizzia julibrissin*	Iran	MH484696	–	MH484878	–	MH484969	MH485060
	oxysporum	InaCC F817	–	–	*Musa* sp. var. Pisang Kepok	Indonesia	–	LS479556	LS479304	–	LS479753	–
	oxysporum	InaCC F822	ex-type	–	*Musa* sp. var. Pisang Raja	Indonesia	–	LS479618	LS479386	–	LS479828	–
	oxysporum	InaCC F823	–	–	*Musa* sp. var. Pisang Kepok	Indonesia	–	LS479628	LS479398	–	LS479838	–
	oxysporum	InaCC F886	ex-type of *F. purpurascens*	–	*Musa* sp. var. Pisang Kepok	Indonesia	–	–	LS479385	–	LS479827	–
	oxysporum	InaCC F904	–	–	*Musa* sp. var. Pisang Kepok	Indonesia	–	LS479637	LS479407	–	LS479847	–
	oxysporum	InaCC F913	–	–	*Musa* sp. var. Pisang Kepok	Indonesia	–	LS479492	LS479236	–	LS479685	–
	oxysporum	InaCC F914	–	–	*Musa* sp. var. Pisang Kepok	Indonesia	–	LS479493	LS479237	–	LS479686	–
	oxysporum	InaCC F948	–	–	*Musa acuminata* var. Pisang Barangan	Indonesia	–	LS479527	LS479273	–	LS479722	–
Fusarium oxysporum	oxysporum	CBS 144134	ex-epitype	–	*Solanum tuberosum*	Germany	MH484771	–	MH484953	–	MH485044	MH485135
	oxysporum	CBS 144135	–	–	*Solanum tuberosum*	Germany	MH484772	–	MH484954	–	MH485045	MH485136
	oxysporum	CBS 221.49	–	IHEM 4508 = NRRL 22546	*Camellia sinensis*	South East Asia	MH484690	–	MH484872	–	MH484963	MH485054
	oxysporum	CPC 25822	–	–	*Protea* sp.	South Africa	MH484761	–	MH484943	–	MH485034	MH485125
Fusarium pharetrum	oxysporum	CBS 144750	–	CPC 30822	*Aliodendron dichotomum*	South Africa	MH484769	MZ921692	MH484951	–	MH485042	MH485133
	oxysporum	CBS 144751	ex-type	CPC 30824	*Aliodendron dichotomum*	South Africa	MH484770	–	MH484952	–	MH485043	MH485134
Fusarium phialophorum	oxysporum	FocRace1.0124	–	–	*Musa acuminata* cv. Grand Naine-AAA	Cuba	–	LS479483	–	–	LS479675	–
	oxysporum	InaCC F826	–	–	*Musa* sp. var. Pisang Wak	Indonesia	–	LS479505	LS479251	–	LS479700	–
	oxysporum	InaCC F971	ex-type	–	*Musa* sp. var. Pisang Wak	Indonesia	–	LS479545	LS479292	–	LS479741	–
	oxysporum	InaCC F995	–	–	*Musa acuminata* var. Pisang Kongkong	Indonesia	–	LS479570	LS479318	–	LS479767	–
Fusarium praegraminearum	sambucinum	ICMP 8996	ex-type	NRRL 39664	Litter in corn field	New Zealand	–	KX260125	KX260126	KX260126	KX260120	–
Fusarium pseudoanthophilum	fujikuroi	NRRL 25211	ex-type	BBA 69002 = CBS 414.97 = IMI 376112	*Zea mays*	Zimbabwe	MT010896	MT010949	MT010980	–	MK639073	–
Fusarium pseudograminearum	sambucinum	NRRL 28062	ex-type	CBS 109956 = FRC R-5291	*Hordeum vulgare*	Australia	–	JX171524	JX171637	JX171637	AF212468	–
Fusarium pseudonygamai	fujikuroi	NRRL 13592	ex-type	BBA 69552 = CBS 417.97 = DAOM 225136 = FRC M-1166 = IMI 375342	*Pennisetum typhoides*	Nigeria	MT010893	LT996205	LT996152	–	AF160263	–
Fusarium ramigenum	fujikuroi	NRRL 25208	ex-type	BBA 68592 = CBS 418.98 = DAOM 225137 = IMI 375343	*Ficus carica*	USA	KF466335	KF466401	KF466412	–	KF466423	–
Fusarium redolens	redolens	CBS 248.61	ex-epitype	ATCC 16067 = BBA 9526 = CBS 360.87 = DSM 62390 = NRRL 20426 = NRRL 25600	*Dianthus caryophyllus*	Germany	–	MT409433	MT409443	–	MT409453	–
	redolens	CBS 743.97	–	DAOM 225128 = IMI 375334 = NRRL 22901	*Pseudotsuga menziesii*	Canada	–	JX171503	JX171616	–	–	–
	redolens	NRRL 25123	–	ARSEF 4011	*Lilioceris lilii*	Denmark	–	JF740960	JF741076	–	JF740748	–
	redolens	NRRL 54967	–	DI16-449	Feline granuloma	USA	–	KC808300	KC808363	–	KC808221	–
Fusarium reticulatum	tricinctum	CBS 473.76	ex-epitype	BBA 63657 = NRRL 20684	*Sophora japonica*	Germany	–	MW928816	–	–	MW928841	–
Fusarium salinense	citricola	CBS 142420	ex-type	CPC 26973	*Citrus sinensis*, twigs canker	Italy	–	LT746286	LT746306	–	LT746193	–

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							cmdA	*rpb1*	*rpb2* (part 1)	*rpb2* (part 2)	*tef1*	*tub2*
Fusarium sangayamense	oxysporum	InaCC F960	ex-type	–	*Musa* sp. var. Pisang Kepok	Indonesia	–	LS479537	LS479283	–	LS479732	–
	oxysporum	InaCC F961	–	–	*Musa* sp. var. Pisang Kepok	Indonesia	–	–	LS479284	–	LS479733	–
Fusarium scirpi	incarnatum-equiseti	CBS 447.84	ex-epitype	FRC R-6252 = NRRL 36478	Pasture soil	Australia	GQ505566	–	GQ505832	–	GQ505654	–
Fusarium serpentinum	incarnatum-equiseti	CBS 119880	ex-type	BBA 62209 = MRC 1813	–	–	MN170365	–	MN170432	–	MN170499	–
Fusarium sinense	tricinctum	CBS 122710	ex-type	IBE 000007	*Triticum aestivum*	China	–	–	–	–	EF531235	–
Fusarium sp.	oxysporum	CBS 102030	–	–	*Musa sapientum* cv. Pisang Mas	Malaysia	MH484716	–	MH484898	–	MH484989	–
	oxysporum	CBS 130310	–	CK A2 = NRRL 25603	*Musa* sp.	Australia	MH484740	–	MH484922	–	MH485013	–
Fusarium spartum	redolens	NRRL 66896	ex-type	–	Rhizosphere of *Macrochloa tenacissima*	Tunisia	–	MT409439	MT409449	–	MT409459	–
Fusarium sterilihyphosum	fujikuroi	NRRL 25623	ex-type	–	*Mangifera indica*	South Africa	AF158353	MW402713	MN193897	–	AF160300	–
Fusarium subtropicale	sambucinum	CBS 144706	ex-type	F1478 = NRRL 66764 = UEM 3329	*Hordeum vulgare*	Brazil	–	MH706972	MH706973	MH706973	MH706974	–
Fusarium sudanense	fujikuroi	CBS 454.97	ex-type	BBA 65862 = NRRL 25451 = NRRL 26793	*Striga hermonthica*	Sudan	LT996185	LT996208	LT996155	–	KU711697	–
Fusarium tardichlamydosporum	oxysporum	CBS 102028	–	NRRL 36117	*Musa sapientum* cv. Pisang awak legor	Malaysia	MH484715	–	MH484897	–	MH484988	MH485079
	oxysporum	FocCNPMF.R2	–	–	*Musa* sp. var. Monthan	Brazil	–	LS479458	LS479197	–	LS479643	–
	oxysporum	InaCC F957	–	–	*Musa acuminata* var. Pisang Barangan	Indonesia	–	LS479533	LS479279	–	LS479728	–
	oxysporum	InaCC F958	ex-type	–	*Musa acuminata* var. Pisang Barangan	Indonesia	–	LS479534	LS479280	–	LS479729	–
	oxysporum	InaCC F959	–	–	*Musa acuminata* var. Pisang Barangan	Indonesia	–	LS479535	LS479281	–	LS479730	–
Fusarium tardicrescens	oxysporum	NRRL 36113	ex-type	CBS 102024	*Musa sapientum* cv. Harare	Malawi	–	LS479474	LS479217	–	LS479665	–
	oxysporum	NRRL 37622	–	T247	*Pisum* sp.	–	–	LS479463	LS479203	–	LS479649	–
	oxysporum	NRRL 54005	–	PHW815	*Raphanus*/*Arabidopsis* sp.	–	–	LS479482	LS479226	–	LS479674	–
Fusarium terricola	fujikuroi	CBS 483.94	ex-type	FRC M-1650	Soil	Australia	–	LT996209	LT996156	–	KU711698	–
Fusarium tjaetaba	fujikuroi	NRRL 66243	ex-type	CBS 144400 = RBG 5361	*Sorghum interjectum*	Australia	–	MW834192	KP083275	–	KP083263	–
Fusarium torulosum	tricinctum	NRRL 22748	–	BBA 64990 = NRRL 13919	*Buxus* sp.	Netherlands	–	–	JX171615	JX171615	–	–
	tricinctum	NRRL 52772	–	–	–	–	–	–	JF741166	JF741166	JF740840	–
Fusarium toxicum	incarnatum-equiseti	CBS 406.86	ex-type	FRC R-8507 = IMI 309347 = NRRL 25796	Soil	Germany	MN170374	–	MN170441	–	MN170508	–
Fusarium tricinctum	tricinctum	CBS 253.50	ex-type of *F. citriforme*	–	*Hordeum sativum*, grain	Finland	–	MW928802	MW928823	MW928823	KR071775	–
	tricinctum	CBS 393.93	ex-epitype	BBA 64485 = NRRL 25481	*Triticum aestivum*, culm base	Germany	–	JX171516	JX171629	JX171629	AB674263	–
Fusarium triseptatum	oxysporum	CBS 116619	–	–	*Gossypium hirsutum*	Ivory Coast	MH484728	–	MH484910	–	MH485001	MH485092
	oxysporum	CBS 119665	–	–	Sago starch	Papua New Guinea	MH484734	–	MH484916	–	MH485007	MH485098
	oxysporum	CBS 130302	–	FRC 755 = NRRL 26360	Human eye	USA	MH484742	–	MH484924	–	MH485015	MH485106
	oxysporum	CBS 258.50	ex-type	NRRL 36389	*Ipomoea batatas*	USA	MH484691	–	MH484873	–	MH484964	MH485055
Fusarium tupiense	fujikuroi	CML 262	ex-type	CMM 3655 = KSU 16195 = NRRL 53984	*Mangifera indica*	Brazil	GU737377	LR792583	LR792619	–	GU737404	–
Fusarium ussurianum	sambucinum	CBS 123752	ex-type	NRRL 45681 = TG-2662/0	*Avena sativa*, oat seed	Russia	–	KM361648	KM361666	KM361666	FJ240301	–
Fusarium verticillioides	fujikuroi	CBS 218.76	ex-epitype	BBA 11782 = DSM 62264 = IMI 202875 = NRRL 13993	*Zea mays*	Germany	–	MW402638	MW928835	–	KF499582	–
	fujikuroi	NRRL 20956	–	CBS 123670 = FRC M-3125 = JFL 00149 = PTS-F237	*Zea mays*	USA	–	MN193929	MN193901	–	MN193873	–
Fusarium veterinarium	oxysporum	CBS 109898	ex-type	NRRL 36153	Shark peritoneum	Netherlands	MH484717	–	MH484899	–	MH484990	MH485081
	oxysporum	CBS 117787	–	–	Swab sample near filling apparatus	Netherlands	MH484730	–	MH484912	–	MH485003	MH485094
	oxysporum	CBS 117790	–	–	Swab sample near filling apparatus	Netherlands	MH484731	–	MH484913	–	MH485004	MH485095
	oxysporum	CBS 117792	–	–	Pasteurised milk-based product	Netherlands	MH484733	–	MH484915	–	MH485006	MH485097
Fusarium volatile	fujikuroi	CBS 143874	ex-type	IHEM 27514	Human, bronchoalveolar lavage effusion of patient with lung infection	French Guiana	MK984595	–	LR596006	–	LR596007	–
Fusarium vorosii	sambucinum	NRRL 37605	ex-type	–	*Triticum aestivum*	Hungary	–	KM361647	KM361665	KM361665	DQ459745	–
Neocosmospora bataticola	–	CBS 144397	–	BBA 64683 = NRRL 22400	*Ipomoea batatas*	USA	MW218053	MW218099	EU329509	–	AF178343	–
	–	CBS 144398	ex-type	BBA 64954 = FRC S-0567 = NRRL 22402	*Ipomoea batatas*	USA	MW218054	MW218100	FJ240381	–	AF178344	–
Neocosmospora citricola	–	CBS 146511	–	CPC 37129 = VG302	*Citrus sinensis*, crown	South Africa	MW218060	MW218106	MW446579	–	MW248745	–
	–	CBS 146513	ex-type	CPC 37131 =VG343	*Citrus sinensis*, crown	South Africa	MW218062	MW218108	MW446581	–	MW248747	–
Neocosmospora crassa	–	CBS 144386	ex-type	MUCL 11420	–	France	MW218063	MW218109	LR583823	–	LR583604	–
	–	NRRL 46596	–	–	Human toenail	Italy	–	–	GU170592	–	GU170627	–
	–	NRRL 46703	–	FMR 8281	Nematode egg	Spain	–	HM347196	EU329661	–	HM347126	–
	–	NRRL 54203	–	–	*Musa acuminata* cv. Cavendish	Guatemala	–	–	*	–	*	–
Neocosmospora cucurbitae	–	CBS 410.62	–	CECT 2864 = NRRL 22658	*Cucurbita viciifolia*	Netherlands	MW834127	MW834216	LR583824	–	DQ247640	–
	–	CBS 616.66	ex-type	BBA 64411 = NRRL 22399	*Cucurbita viciifolia*	Netherlands	MW834128	MW834217	LR583825	–	DQ247592	–
Neocosmospora elegans	–	CBS 144395	–	ATCC 18690 = MAFF 238540 = NRRL 22163	*Xanthoxylum piperitum*, branch	Japan	MW218066	MW218112	EU329496	–	AF178328	–
	–	CBS 144396	ex-epitype	ATCC 42366 = MAFF 238541 = NRRL 22277	*Xanthoxylum piperitum*. trunk	Japan	MW218067	MW218113	FJ240380	–	AF178336	–
Neocosmospora falciformis	–	CBS 121450	–	–	Declined grape vine	Syria	MW218069	MW218115	JX435261	–	JX435161	–
	–	CBS 475.67	ex-type	IMI 268681	Human mycetoma	Puerto Rico	MW218068	MW218114	LT960558	–	LT906669	–
Neocosmospora henyangensis	–	HMAS 254518	ex-type	–	Twigs of unknown host	China	–	–	–	–	KY829448	–
Neocosmospora ipomoeae	–	CBS 353.87	–	NRRL 22657	*Capsicum annuum*	Netherlands	MW218072	MW218119	LR583831	–	DQ247639	–
	–	CBS 833.97	–	–	*Rosa* sp., dead parts	Netherlands	MW218073	MW218120	LR583833	–	LR583611	–
Neocosmospora keratoplastica	–	CBS 144389	–	MUCL 18301	Greenhouse humic soil	Belgium	MW218075	MW218122	LR583836	–	LR583613	–
	–	CBS 490.63	ex-type of *Cephalosporium keratoplasticum*	–	Human	Japan	MW218074	MW218121	LT960562	–	LT906670	–
Neocosmospora lichenicola	–	CBS 509.63	ex-type of *Hyaloflorea ramosa*	IMUR 410 = MUCL 8050	Air	Brazil	MW834142	MW834229	LR583843	–	LR583618	–
	–	CBS 623.92	ex-epitype	–	Human necrotic wound	Germany	MW834143	–	LR583845	–	LR583620	–

Table S1 (Continued)

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							cmdA	*rpb1*	*rpb2* (part 1)	*rpb2* (part 2)	*tef1*	*tub2*
Neocosmospora martii	–	CBS 115659	ex-epitype	FRC S-0679 = MRC 2198	*Solanum tuberosum* var. Maritta	Germany	MW834146	MW834232	JX435256	–	JX435156	–
Neocosmospora merkxiana	–	CBS 146525	ex-type	–	*Chrysanthemum* sp. imported from Uganda	Netherlands	MW834147	MW834233	MW834025	–	MW834288	–
	–	CBS 146526	–	–	*Chrysanthemum* sp. imported from Uganda	Netherlands	MW834148	MW834234	MW834026	–	MW834289	–
Neocosmospora neoeumartii	–	CBS 115658	ex-type	FRC S-0661	*Solanum tuberosum*	Israel	MW218082	MW218129	LR583852	–	LR583630	–
	–	F97	–	–	*Beta vulgaris*	China	–	–	*	–	*	–
Neocosmospora rectiphora	–	CBS 125726	–	FRC S-1842	Dead tree	Sri Lanka	–	MW834248	–	–	JF433026	–
	–	CBS 125727	ex-type	FRC S-1831 = GJS 02-89	Dead tree	Sri Lanka	–	MW834249	LR583871	–	DQ247509	–
Neocosmospora solani	–	CBS 101018	ex-type of *N. rubicola*	–	Raspberry	Italy	–	–	LR583878	–	LR583651	–
	–	CBS 111722	–	–	Soil on wheat field	Japan	–	–	LR583879	–	LR583652	–
	–	CBS 112101	–	–	Human vocal prosthesis	Belgium	–	–	LR583880	–	LR583653	–
	–	CBS 117149	–	–	Mixture of cheese and soil	Austria	–	–	LR583881	–	LR583654	–
	–	CBS 119996	–	–	*Daucus carota*	Netherlands	–	–	JX435252	–	JX435152	–
	–	CBS 124893	–	–	Human nail	France	–	–	JX435241	–	JX435141	–
	–	CBS 140079	ex-epitype	FRC S-2364 = GJS 09-1466 = NRRL 66304	*Solanum tuberosum*	Slovenia	MW218088	MW218134	KT313623	KT313623	KT313611	–
	–	CBS 144393	–	MUCL 34689	Timber on tropical greenhouse	Belgium	–	–	LR583882	–	LR583655	–
	–	CBS 165.87	–	–	*Solanum tuberosum*	Denmark	–	–	JX435257	–	JX435157	–
	–	CBS 166.87	–	–	Soil under *Castanea* sp.	USA	–	–	JX435265	–	JX435165	–
	–	NRRL 22779	–	IMI 307740	Human toenail	New Zealand	–	–	EU329526	–	DQ246848	–
	–	NRRL 28679	–	–	Human penis U Wash	–	–	–	EU329556	–	DQ246912	–
	–	NRRL 32484	–	FRC S-1242	Human	USA	–	–	EU329583	–	DQ246982	–
	–	NRRL 32791	–	FRC S-1142	–	USA	–	–	EU329620	–	DQ247100	–
	–	NRRL 32810	–	FRC S-1198	Human corneal ulcer	USA	–	–	EU329624	–	DQ247118	–
	–	NRRL 43474	–	–	Human eye	USA	–	–	EF469984	–	EF452945	–
	–	NRRL 46598	–	–	Human toenail	Italy	–	–	GU170593	–	GU170628	–
	–	NRRL 53511	–	CDC 2008732300	–	–	–	–	*	–	*	–
Neocosmospora stercicola	–	CBS 142480	ex-type of *F. witzenhousenense*	–	*Hibiscus* sp., branch	Germany	–	–	LR583886	–	KY556525	–
	–	CBS 142481	ex-type	DSM 106211	Compost yard debris	Germany	MW834173	MW834255	LR583887	–	LR583658	–
	–	CBS 144388	–	MUCL 18299	Greenhouse humic soil	Belgium	MW834174	MW834256	LR583888	–	LR583659	–
	–	CBS 187.35	–	BBA 2318	–	–	–	–	LR583883	–	LR583656	–
	–	CBS 260.54	–	–	–	–	–	–	LR583884	–	LR583657	–
	–	CGMCC 3.19676	ex-type of *F. xiangyunense*	DBN11-1	Waterlogged soi	China	–	MH999281	–	–	MH992629	–
	–	FRC S-2570	–	FRC S-2570 = GJS 09-1458	*Solanum tuberosum*	Slovenia	–	–	KT313616	–	KT313605	–
	–	GJS 09-1459	–	–	*Solanum tuberosum*	Slovenia	–	–	–	–	KT313617	–
Neocosmospora suttoniana	–	CBS 143214	ex-type	NRRL 32858	Human wound	USA	MW218092	MW218138	EU329630	–	DQ247163	–
	–	CBS 143224	–	NRRL 54972	Equine eye	USA	MW218093	MW218139	KC808336	–	KC808197	–
Neocosmospora tonkinensis	–	CBS 115.40	ex-type	–	*Musa sapientum*	Vietnam	MW218094	MW218140	LT960564	–	LT906672	–
	–	CBS 118931	–	–	*Solanum lycopersicum*	UK	MW218095	MW218141	LR583891	–	LR583662	–
	–	CBS 143208	–	FRC S-0452 = NRRL 32755	Turtle head lesion	USA	–	–	EU329613	–	DQ247073	–
	–	CBS 143217	–	NRRL 43811	Human cornea	USA	–	–	EF470092	–	EF453053	–
	–	CBS 222.49	–	–	*Euphorbia fulgens*	Netherlands	–	–	LR583890	–	LR583661	–
	–	NRRL 46615	–	–	Soil	Italy	–	–	–	–	GU250543	–
	–	NRRL 46676	–	–	Soil	Italy	–	–	–	–	GU250546	–
Neocosmospora vasinfecta	–	CBS 446.93	ex-type of *N. boninensis*	IMI 316967 = NHL 2919	Soil	Japan	MW834175	MW834257	LR583898	–	LR583670	–
	–	CBS 533.65	–	IMI 302625	–	India	MW834176	MW834258	LR583899	–	LR583671	–

[1] ARSEF: Collection of entomopathogenic fungal cultures, US Department of Agriculture (USDA), Agricultural Research Service (ARS), Ithaca, NY, USA; ATCC: American Type Culture Collection, Manassas, VA, USA; BBA: Biologische Bundesanstalt für Land- und Forstwirtschaft, Institut für Mikrobiologie, Berlin, Germany; CBS: Westerdijk Fungal Biodiverity Institute (WI), Utrecht, The Netherlands; CDC: Centers for Disease Control and Prevention, Atlanta, GA, USA; CECT: Spanish Type Culture Collection, Universidad de Valencia, Burjassot, Spain; CGMCC: China General Microbiological Culture Collection Center, Institute of Microbiology, Chinese Academy of Sciences, Beijing, China; CML: Coleção Micológica de Lavras, Universidade Federal de Lavras, Minas Gerais, Brazil; CMM: Culture Collection of Phytopathogenic Fungi "Prof. Maria Menezes", Universidade Federal Rural de Pernambuco, Recife, Brazil; CPC: Collection of P.W. Crous, housed at CBS; DAOM: Canadian National Mycological Herbarium and Culture Collection, AAFC, Ottawa, Ontario, Canada; DSM: DSMZ-Deutsche Sammlung von Mikroorganismen und Zellkulturen GmbH, Braunschweig, Germany; FMR: Facultat de Medicina i Ciències de la Salut, Reus, Spain; FRC: Fusarium Research Center, Pennsylvania State University, PA, USA; GJS: Collection of G.J. Samuels, USDA-ARS, USA; HMAS: Herbarium Mycologicum Academiae Sinicae, Chinese Academy of Sciences, Beijing, China; ICMP: International Collection of Microorganisms from Plants, Plant Diseases Division, DSIR, Auckland, New Zealand; IHEM: Biomedical Fungi and Yeasts Collection, Scientific Institute of Public Health, Belgium; IMI: CABI Bioscience, Egham, UK; IMUR: Institute of Mycology, University of Recife, Recife, Brazil; InaCC: Indonesian Culture Collection, Research Center for Biology, Indonesian Institute of Science (LIPI), Cibinong, Indonesia; Indo: Working collection of N. Maryani, Research Center for Biology, Indonesian Institute of Science (LIPI), Cibinong, Indonesia; IPO: Culture collection of the Research Institute for Plant Protection, Wageningen, The Netherlands; KSU: Department of Plant Pathology, Kansas State University, Manhattan, Kansas; KUMCC: Kunming Institute of Botany, Chinese Academy of Sciences (KUMCC), Kunming, China; LC: Working collection of Lei Cai, State Key Laboratory of Mycology, Institute of Microbiology, Chinese Academy of Sciences, Beijing, P.R. China; MAFF: Ministry of Agriculture, Forestry and Fisheries, Tsukuba, Ibaraki, Japan; MFLUCC: Mae Fah Luang University herbarium, Chiang Rai, Thailand; MRC: Microbial Culture Collection, South African Medical Research Council, Tygerberg, South Africa; MUCL: Mycothèque de l´Université Catholique de Louvain, Louvain-la-Neuve, Belgium; NHL: National Institute of Hygienic Sciences, Tokyo, Japan; NRRL: Agricultural Research Service Culture Collection, National Center for Agricultural Utilization Research, USDA, Peoria, IL, USA; PD: Plant Protection Service, nVWA, Division Plant, Wageningen, The Netherlands; PREM: South African National Collection of Fungi (NCF), Mycology Unit, Biosystematics Division, Plant Protection Institute, Agricultural Research Council, Roodeplaat, Pretoria, South Africa; RBG: Royal Botanic Gardens Trust, Sydney, New South Wales, Australia; UBOCC: Culture Collection of University of Western Brittany, LUBEM Plouzane, France; UTHSC: Fungus Testing Laboratory, Department of Pathology, University of Texas Health Science Center, San Antonio, USA.

[2] *cmdA*: partial calmodulin gene; *rpb1*: partial DNA-directed RNA polymerase II largest subunit gene; *rpb2*: partial DNA-directed RNA polymerase II second largest subunit gene; *tef1*: partial translation elongation factor 1-alpha gene; *tub2*: partial beta-tubulin gene.

[3] *: Sequence not available at GenBank/ ENA, obtained from K. O'Donnell's alignment datasets.