Table S1. DNA barcoding sequences used in constructing the three-locus *tef1-rpb1-rpb2* phylogenetic tree for the *Fusarium fujikuroi* species complex

Fusarium species	Strain	*tef1*	*rpb1*	*rpb2*
F. acutatum	CBS 402.97^{T}	MW402125	MT010947	MT010986
F. agapanthi	NRRL 54463^{T}	KU900630	KU900620	KU900625
F. ananatum	CBS 118516^{T}	LT996091	MW402507	LT996137
F. andiyazi	NRRL 31727^{T}	MN193854	MN193910	MN193882
F. annulatum	CBS 258.54^{T}	MT010994	MT010944	MT010983
F. annulatum	LC2825	MW580537	MW024525	MW474483
F. annulatum	NRRL 62905	MN193865	MN193921	MN193893
F. aquaticum	LC7502^{T}	MW580448	MW024439	MW474394
F. bactridioides	CBS 100057^{T}	MN533993	MW402490	MN534235
F. begoniae	CBS 452.97^{T}	MN533994	MW402675	MN534243
F. brevicatenulatum	CBS 404.97^{T}	MN533995	MT010948	MN534295
F. bulbicola	CBS 220.76^{T}	KF466415	KF466394	KF466404
F. circinatum	NRRL 25331^{T}	MN533997	MW402656	MN534252
F. coicis	NRRL 66233	JAAOAJ010000014	JAAOAJ010000368	JAAOAJ010000438
F. concentricum	CBS 450.97^{T}	AF160282	MT010942	JF741086
F. denticulatum	CBS 407.97^{T}	MN534000	MT010953	MN534274
F. dlaminii	NRRL 13164^{T}	MW401995	KU171681	JAAOAL010000021
F. elaeagni	LC13627^{T}	MW580466	MW024457	MW474412
F. fujikuroi	NRRL 13566	AF160279	JX171456	JX171570
F. globosum	NRRL 26131^{T}	KF466417	MT010943	KF466406
F. guttiforme	CBS 409.97^{T}	MT010999	MT010938	MT010967
F. hechiense	LC13644^{T}	MW580494	MW024482	MW474440
F. lactis	NRRL 25200^{NT}	MN193862	MT010954	MN534275
F. mangiferae	CBS 120994^{T}	MN534017	MW402530	MN534271
F. mexicanum	NRRL 53147^{T}	GU737282	MG838088	MN724973
F. mundagurra	NRRL 66235^{T}	JAAOAN010000072	JAAOAN010000258	JAAOAN010000034
F. musae	CBS 624.87^{T}	FN552086	MT010957	MT010973
F. napiforme	NRRL 13604^{T}	MN193863	MT010958	MN534291
F. nygamai	CBS 749.97^{T}	MW402151	MT010955	EF470114
F. panlongense	LC13656^{T}	MW580510	MW024498	MW474456
F. phyllophilum	NRRL 13617^{T}	MN193864	MW402637	KF466410
F. pilosacola	NRRL 29124^{T}	MN534055	JAGQDI010000003	MN534248
F. proliferatum	F026	MZ399213	MZ399206	MZ399210
F. proliferatum	FFSC RH7	JAJALB010000645	JAJALB010000627	JAJALB010000623
F. pseudoanthophilum	CBS 414.97^{T}	MW402128	MW402661	MT010980
F. pseudocircinatum	NRRL 22946^{T}	AF160271	MT010952	MN534277
F. pseudonygamai	NRRL 13592^{T}	AF160263	MW402664	MN534285
F. ramigenum	NRRL 25208^{T}	KF466423	MN193923	KF466412

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***Fusarium* species**	**Strain**	***tef1***	***rpb1***	***rpb2***
F. sacchari	CBS 223.76^{ET}	MW402115	JX171466	JX171580
F. secorum	NRRL 62593^{T}	KJ189225	JABEEM010001657	JABEEM010001483
F. sterilihyphosum	NRRL 25623^{T}	MN193869	MW402713	MN193897
F. subglutinans	NRRL 22016^{NT}	HM057336	JX171486	JX171599
F. verticillioides	LC2818	MW580508	MW024496	MW474454
F. xylarioides	CBS 258.52^{ET}	MN193874	MN193930	HM068355
F. xyrophilum	NRRL 62721^{T}	MN193877	MW402721	MN193905
F. solani (outgroup)	NRRL 43468	EF452941	HM347179	EF469980

Type cultures are indicated with 'T', epitype with 'ET', neotype with 'NT'.

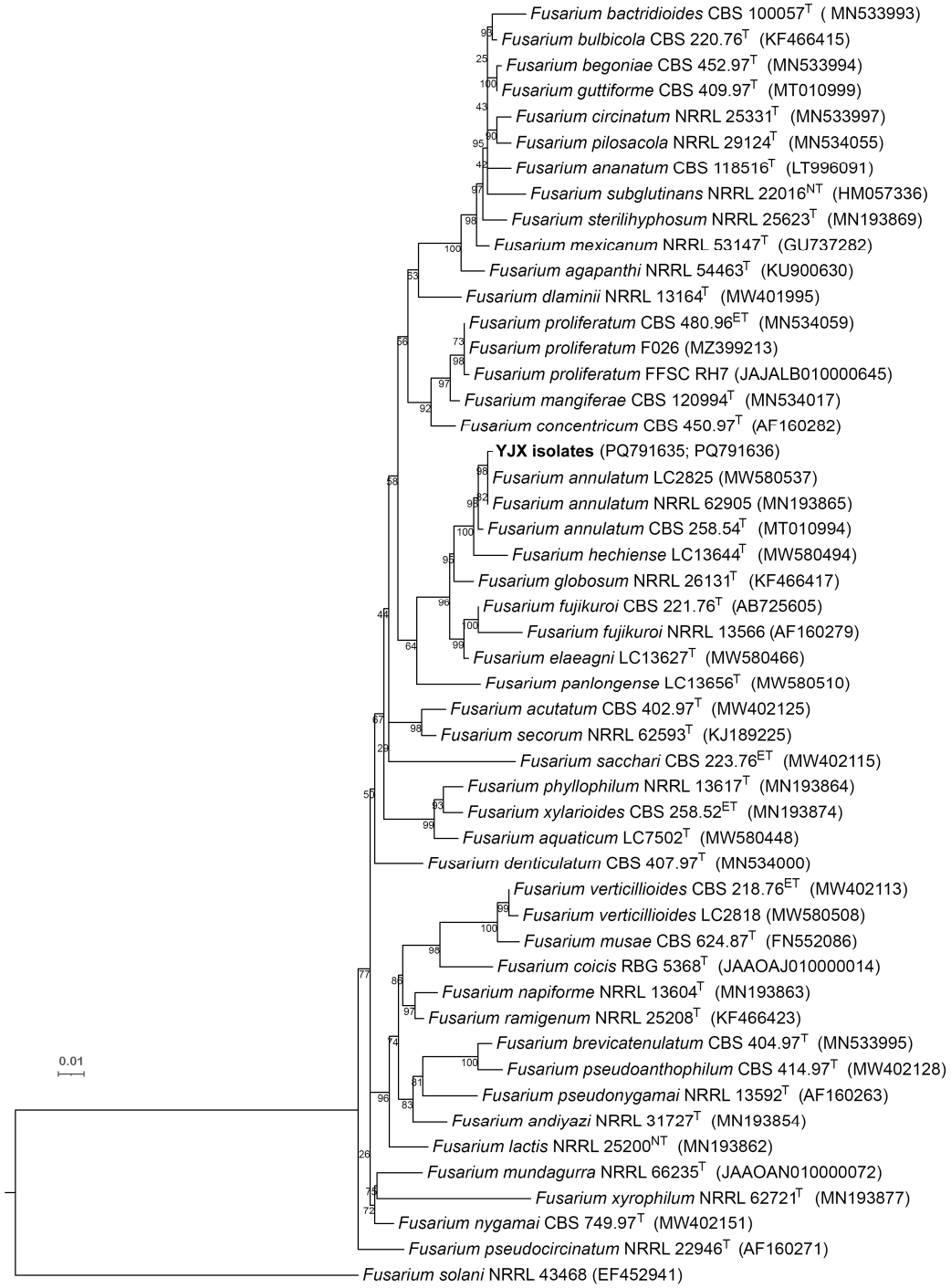


Figure S1. Phylogenetic maximum-likelihood tree of *Fusarium fujikuroi* species complex based on tef1 sequences. The maximum-likelihood tree on 565 sites was generated using IQ-TREE multicore version 1.6.12 with the TIM2e+G4 model. The support percentages of ultrafast bootstrap (1,000 tests) are shown at the nodes. The GenBank accession numbers of the *tef1* sequences from YJX isolates, the representative strains including type (T), epitype (ET), or neotype (NT) strains of the closely related species within the *Fusarium fujikuroi* species complex and the outgroup *F. solani* strain NRRL 43468 are indicated in brackets. The scale bar indicates 0.01 substitutions per site.