

**Supplementary Table S1.** GenBank accession numbers and source of different strains used in the current study

species	Strain no.	Host	Location	GenBank accession numbers				
				ITS	TUB2	ACT	GAPDH	CAL
<i>C. acutatum</i>	BRIP28519	<i>Carica papaya</i>	Australia	FJ 972601	FJ 907443	FJ 907428	FJ 972580	FJ 917510
<i>C. acutatum</i>	CBS29467	<i>Carica papaya</i>	Australia	FJ 972610	FJ 907444	FJ 907429	FJ 972581	FJ 917511
<i>C. boninense</i>	CBS128547*	<i>Camellia</i> sp.	New Zealand	JQ005159	JQ005593	JQ005507	JQ005246	JQ005680
<i>C. boninense</i>	CBS123755*	<i>Crinum asiaticum</i>	Japan	JQ005153	JQ005588	JQ005501	JQ005240	JQ005674
<i>C. cliviae</i>	CBS 125375	<i>Clivia miniata</i>	China	JX519223	JX519249	JX519240	JX546611	-
<i>C. cliviae</i>	CSSK4*	<i>Clivia miniata</i>	China	GQ485607	GQ849440	GQ856777	GQ856756	GQ849464
<i>C. cliviae</i>	CSSS1	<i>Clivia miniata</i>	China	GU109479	GU085869	GU085861	GU085868	GU085864
<i>C. sichuaninense</i>	LJTJ3	<i>Capsicum</i> sp.	China	KP748193	KP823850	KP823738	KP823773	KP823808
<i>C. sichuaninense</i>	LJTJ16	<i>Capsicum</i> sp.	China	KP748207	KP823851	KP823739	KP823786	KP823809
<i>C. sichuaninense</i>	LJTJ22	<i>Capsicum</i> sp.	China	KP748213	KP823852	KP823740	KP823792	KP823810
<i>C. sichuaninense</i>	LJTJ30	<i>Capsicum</i> sp.	China	KP748221	KP823853	KP823741	KP823800	KP823811
<b><i>C. sichuaninense</i></b>	<b>LMT1</b>	<b><i>Blueberry</i></b>	<b>China</b>	<b>MF543100</b>	<b>MF471719</b>	<b>MF471703</b>	<b>MF543063</b>	<b>MF471739</b>
<i>C. coccodes</i>	CBS164.49*	<i>Solanum tuberosum</i>	Netherlands	HM171678	-	HM171666	HM171672	HM171669
<i>C. coccodes</i>	CBS369.75	<i>Solanum tuberosum</i>	Netherlands	HM171679	-	HM171667	HM171673	HM171670
<i>C. coccodes</i>	CPOS1	<i>Solanum tuberosum</i>	China	GQ485588	GQ849444	GQ856787	GQ856744	HM171670
<i>C. gloeosporioides</i>	CBS 95397	<i>Citrus sinensis</i>	Italy	FJ972609	FJ907445	FJ 907430	FJ 972582	FJ 917512
<i>C. gloeosporioides</i>	CBS953.97*	<i>Citrus sinensis</i>	Italy	GQ485605	GQ849434	GQ856782	GQ856762	GQ849452
<i>C. gloeosporioides</i>	IMI356878*	<i>Citrus sinensis</i>	Italy	JX010152	JX010445	JX009531	JX010056	JX009731
<i>C. gloeosporioides</i>	CORCG5	<i>Vanda</i> sp.	China	HM034809	HM034811	HM034801	HM034807	HM034803

<i>C.gloeosporioides</i>	LJTJ13	<i>Capsicum</i> sp.	China	KP748204	KP823863	KP823751	KP823783	KP823821
<i>C. scovillei</i>	LJTJ35	<i>Capsicum</i> sp.	China	KP748226	KP823849	KP823735	KP823805	KP823807
<i>C. scovillei</i>	LJTJ42	<i>Capsicum</i> sp.	China	KP943572	KP943588	KP943562	KP943516	KP943582
<i>C. scovillei</i>	LJTJ61	<i>Capsicum</i> sp.	China	KP943573	KP943589	KP943563	KP943517	KP943583
<i>Monilochaetes infuscans</i>	CBS869.96	Unknown	Unknown	JQ005780	JQ005864	JQ005843	-	-
<i>C. karstii</i>	CORCG6*	<i>Vanda</i> sp.	China	HM585409	HM585428	HM581995	HM585391	HM582013
<i>C. karstii</i>	CORCK1	<i>Calanthe</i>	China	HM585406	HM585424	HM581991	HM585387	HM582010
<i>C. karstii</i>	GM44L01	<i>Annona muricata</i>	Colombia	KC512141	KC512204	KC512183	KC506413	KC512225
<b><i>C. karstii</i></b>	<b>LMT25</b>	<b>Blueberry</b>	<b>China</b>	<b>MF543103</b>	<b>MF471722</b>	<b>MF471706</b>	<b>MF543066</b>	-
<b><i>C. karstii</i></b>	<b>LMT7</b>	<b>Blueberry</b>	<b>China</b>	<b>MF543102</b>	<b>MF471721</b>	<b>MF471705</b>	<b>MF543065</b>	<b>MF471741</b>
<i>C. nymphaeae</i>	CLOK3	<i>Eriobotrya japonica</i>	China	KJ534689	KJ534680	KJ534737	KJ534755	KJ534725
<i>C. nymphaeae</i>	CBS115408*	-	-	JQ948212.1	JQ949863.1	JQ949533.1	JQ948542.1	-
<i>C. nymphaeae</i>	CBS515.78	<i>Nymphaea alba</i>	Netherlands	JQ948197	JQ949848	JQ949518	JQ948527	-
<b><i>C. nymphaeae</i></b>	<b>LMT13</b>	<b>Blueberry</b>	<b>China</b>	<b>MF543101</b>	<b>MF471720</b>	<b>MF471704</b>	<b>MF543064</b>	<b>MF471740</b>
<i>C. brevisporum</i>	LC0600*	<i>Neoregalia</i> sp.	Thailand	JN050238	JN050244	JN050216	JN050227	JN050222
<i>C. brevisporum</i>	LC0870	<i>Pandanus pygmaeus</i>	Thailand	JN050239	JN050245	JN050217	JN050228	-
<i>C. brevisporum</i>	LJTJ24	<i>Capsicum</i> sp.	China	KP748215	-	KP823736	KP823794	-
<i>C. siamense</i>	LJTJ5	<i>Capsicum</i> sp.	China	KP748195	KP823868	KP823756	KP823775	KP823825
<i>C. siamense</i>	LJTJ7	<i>Capsicum</i> sp.	China	KP748198	KP823869	KP823757	KP823777	KP823826
<b><i>C. siamense</i></b>	<b>LMT15</b>	<b>Blueberry</b>	<b>China</b>	<b>MF543104</b>	<b>MF471723</b>	<b>MF471707</b>	<b>MF543067</b>	-
<b><i>C. siamense</i></b>	<b>LMT24</b>	<b>Blueberry</b>	<b>China</b>	<b>MF543106</b>	<b>MF471724</b>	<b>MF471708</b>	<b>MF543068</b>	<b>MF471742</b>
<b><i>C. siamense</i></b>	<b>LMT33</b>	<b>Blueberry</b>	<b>China</b>	<b>MF543107</b>	<b>MF471725</b>	<b>MF471709</b>	<b>MF543069</b>	<b>MF471743</b>
<b><i>C. siamense</i></b>	<b>LMT35</b>	<b>Blueberry</b>	<b>China</b>	<b>MF543108</b>	<b>MF471726</b>	<b>MN311515</b>	<b>MF543072</b>	<b>MF471744</b>
<i>C. siamense</i>	C1315.2*	<i>coffea arabica</i>	Thailand	JX010171	JX010404	JX009518	JX009924	-

<i>C. siamense</i>	C1263.11*	<i>Persea americana</i>	South Africa	JX010162	JX010393	JX009506	JX010051	JX009703
<i>C. siamense</i>	LMT34	<i>Blueberry</i>	China	MN295188	MN295203	<b>MN311500</b>	<b>MF543070</b>	-
<i>C. siamense</i>	LMT19	<i>Blueberry</i>	China	<b>MF543105</b>	<b>MN295202</b>	-	<b>MF543071</b>	-
<i>C. kahawae</i>	C1275.1*	<i>coffee arabica</i>	Angola	JX010234	JX010435	JX009474	JX010040	JX009638
<i>C. kahawae</i>	Q025*	<i>Blackberry</i>	Colombia	KJ001121	KJ001125	KJ001103	KJ001114	KJ001107
<i>C. kahawae</i>	C1252.12	<i>Kunzea ericoides</i>	New Zealand	JX010227	JX010427	JX009473	JX009904	-
<i>C. kahawae</i>	LMT4	<i>Blueberry</i>	China	MF543109	MF471727	MF471710	MF543073	MF471745
<i>C. kahawae</i>	LMT11	<i>Blueberry</i>	China	MF543110	MF471728	MF471711	MF543074	MF471746
<i>C. fructicola</i>	LMT3	<i>Blueberry</i>	China	MF543111	MF471729	MF471712	MF543075	MF471747
<i>C. fructicola</i>	LMT5	<i>Blueberry</i>	China	MF543112	MF471730	MF471713	MF543076	MF471748
<i>C. fructicola</i>	LMT6	<i>Blueberry</i>	China	MF543113	MF471731	MF471714	MF543077	MF471749
<i>C. fructicola</i>	LMT9	<i>Blueberry</i>	China	MF543114	MF471732	MF471715	MF543079	MF471750
<i>C. fructicola</i>	LMT12	<i>Blueberry</i>	China	MF543115	MF471733	MF471716	MF543081	MF471751
<i>C. fructicola</i>	LMT14	<i>Blueberry</i>	China	MF543116	MF471734	MF471717	MF543082	MF471752
<i>C. fructicola</i>	LMT31	<i>Blueberry</i>	China	MF543117	MF471735	MF471718	MF543094	-
<i>C. fructicola</i>	LMT36	<i>Blueberry</i>	China	MF543118	MF471736	MN311516	MF543096	MF471753
<i>C. fructicola</i>	LMT38	<i>Blueberry</i>	China	MF543119	MF471737	MN311517	MF543097	MF471754
<i>C. fructicola</i>	LMT39	<i>Blueberry</i>	China	MF543120	MF471738	MN311518	MF543098	MF471755
<i>C. fructicola</i>	LMT41	<i>Blueberry</i>	China	MF543121	MN295218	MN311514	MF543099	MF471756
<i>C. fructicola</i>	LMT8	<i>Blueberry</i>	China	MN295197	MN295212	MN311509	MF543078	-
<i>C. fructicola</i>	LMT10	<i>Blueberry</i>	China	MN295192	MN295207	MN311504	MF543080	<b>MN328264</b>
<i>C. fructicola</i>	LMT16	<i>Blueberry</i>	China	MN295198	MN295213	MN311510	MF543083	-
<i>C. fructicola</i>	LMT17	<i>Blueberry</i>	China	MF543113	MN295214	-	MF543084	-
<i>C. fructicola</i>	LMT18	<i>Blueberry</i>	China	MN295195	MN295210	MN311507	MF543085	-

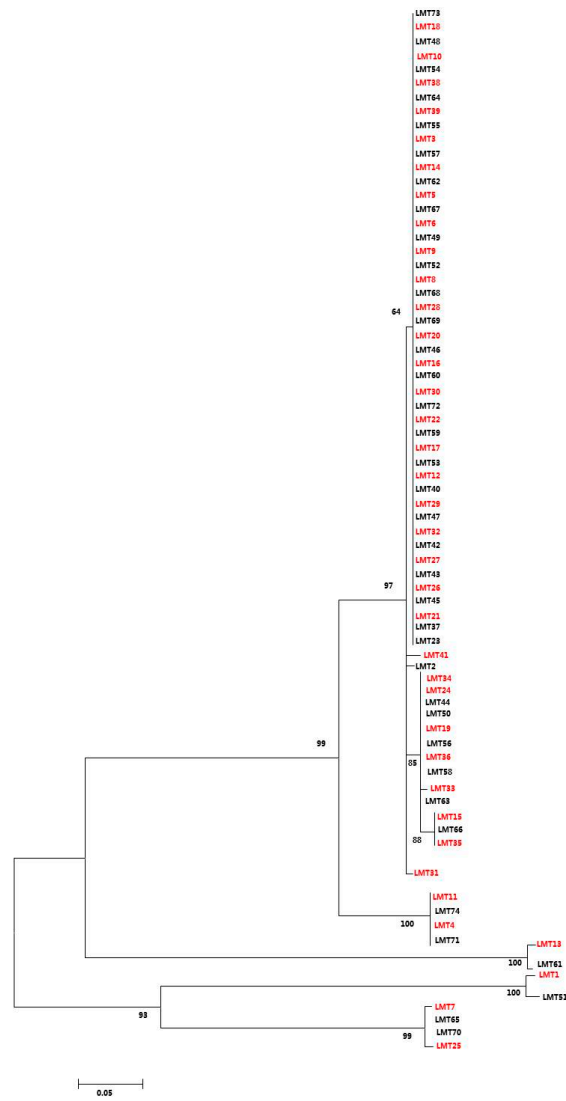
<i>C. fruticicola</i>	LMT20	<i>Blueberry</i>	China	MN295191	MN295206	MN311503	MF543086	MN328263
<i>C. fruticicola</i>	LMT21	<i>Blueberry</i>	China	MN295189	MN295204	MN311501	MF543087	-
<i>C. fruticicola</i>	LMT22	<i>Blueberry</i>	China	MN295196	MN295211	MN311508	MF543088	-
<i>C. fruticicola</i>	LMT26	<i>Blueberry</i>	China	MN295190	MN295205	MN311502	MF543089	MN328262
<i>C. fruticicola</i>	LMT27	<i>Blueberry</i>	China	MN295193	MN295208	MN311505	MF543090	MN328265
<i>C. fruticicola</i>	LMT28	<i>Blueberry</i>	China	MN295201	MN295217	MN311513	MF543091	-
<i>C. fruticicola</i>	LMT29	<i>Blueberry</i>	China	MN295194	MN295209	MN311506	MF543092	MN328266
<i>C. fruticicola</i>	LMT30	<i>Blueberry</i>	China	MN295199	MN295215	MN311511	MF543093	-
<i>C. fruticicola</i>	LMT32	<i>Blueberry</i>	China	MN295200	MN295216	MN311512	MF543095	-
<i>C. fruticicola</i>	C1275.7	<i>Ficus edulis</i>	Germany	JX010181	JX010400	JX009495	JX009923	JX009671
<i>C. fruticicola</i>	C1316.21	<i>Tetragastris</i>	Panama	JX010173	JX010409	JX009581	JX010032	JX009674
<i>C. fruticicola</i>	FAFU01	<i>Jute</i>	China	KT439373	KT439339	KT439346	KT439359	KT439352
<i>C. fruticicola</i>	BPDI16*	<i>coffea arabica</i>	Thailand	FJ972603	FJ907441	FJ907426	FJ972578	-
<i>C. fruticicola</i>	LJTJ2	<i>Capsicum</i> sp.	China	KP748192	KP823854	KP823742	KP823772	KP823812
<i>C. chrysophilum</i>	CMM4268*	<i>Musa</i> sp.	Brazil	KX094252	KX094285	KX093982	KX094183	KX094063
<i>C. chrysophilum</i>	CMM4292	<i>Musa</i> sp.	Brazil	KX094248	KX094284	KX093981	KX094182	KX094062
<i>C. chrysophilum</i>	CMM4387	<i>Musa</i> sp.	Brazil	KX094246	KX094281	KX093980	KX094181	KX094061
<i>C. chrysophilum</i>	CMM4394	<i>Musa</i> sp.	Brazil	KX094239	KX094282	KX093979	KX094179	KX094059
<i>C. noveboracense</i>	AFKH109*	<i>Apple</i>	Columbia	MN646685	MN640569	MN640565	MN640567	MN640566
<i>C. noveboracense</i>	AFK220	<i>Apple</i>	Ulster	MN625451	MN622861	MN622839	MN689180	MN622851
<i>C. noveboracense</i>	AFK423	<i>Apple</i>	Ulster	MN708219	MN701194	MN701181	MN741085	MN701191
<i>C. fioriniae</i>	CBS128517*	-	USA	MH865005	JQ949943	JQ949613	JQ948622	-
<i>C. nupharicola</i>	CBS470.96*	<i>Nuphar lutea</i> subsp.	USA	JX010187	JX010398	JX009437	JX009972	JX009663
<i>C. nupharicola</i>	CBS472.96	<i>Nymphaea odorata</i>	USA	JX010188	JX010399	JX009582	JX010031	JX009662

<i>C.horii</i>	ICMP10492*	<i>Diospyros kaki</i>	Japan	-	JQ071915	JQ071911	JX009964	JX009604
<i>C.horii</i>	ICMP17970	<i>Diospyros kaki</i>	Japan	JX010213	-	JX009467	-	-
<i>C.horii</i>	ICMP17968	<i>Diospyros kaki</i>	China	JX010212	JX010378	JX009547	-	JX009606
<i>C.tropicale</i>	ICMP18653*	<i>Theobroma cacao</i>	Panama	JX010264	JX010407	JX009489	JX010007	JX009719
<i>C.tropicale</i>	ICMP18672	<i>Litchi chinensis</i>	Japan	JX010275	JX010396	JX009480	JX010020	JX009722
<i>C.tropicale</i>	ICMP18651	<i>Annona muricata</i>	Panama	JX010277	-	JX009570	JX010014	JX009720
<i>C.asianum</i>	ICMP18580*	<i>Coffea arabica</i>	Thailand	FJ972612	JX010406	JX009584	JX010053	FJ917506
<i>C.asianum</i>	ICMP18603	<i>Mangifera indica</i>	Philippines	JX010195	-	JX009579	JX009938	JX009725
<i>C.asianum</i>	ICMP18605	<i>Mangifera indica</i>	Thailand	JX010194	-	JX009465	JX010021	JX009726
<i>C.musae</i>	ICMP19119*	<i>Musa sp</i>	USA	JX010146	HQ596280	JX009433	JX010050	JX009742
<i>C.musae</i>	ICMP18600	<i>Musa sp</i>	Philippines	JX010144	-	JX009556	JX010038	JX009686
<i>C.musae</i>	ICMP12930	<i>Musa sp</i>	New Zealand	JX010141	-	JX009566	JX009986	JX009685
<i>C.musae</i>	ICMP18701	<i>Musa sp</i>	Philippines	JX010145	-	JX009551	JX010047	JX009687
<i>C.aenigma</i>	ICMP18608*	<i>Persea americana</i>	Israel	JX010244	JX010389	JX009443	JX010044	JX009683
<i>C.aenigma</i>	ICMP18686	<i>Pyrus pyrifolia</i>	Japan	JX010243	JX010390	JX009519	JX009913	JX009684
<i>C.aenigma</i>	GA415	<i>Avocado</i>	Israel	KX620327	KX620360	KX620164	KX620261	KX620226
<i>C.queenslandicum</i>	ICMP1778*	<i>Carica papaya</i>	Australia	JX010276	JX010414	JX009447	JX009934	JX009691
<i>C.queenslandicum</i>	ICMP1780	<i>Carica sp.</i>	Australia	JX010186	-	JX009504	JX010010	JX009693
<i>C.queenslandicum</i>	ICMP12564	<i>Persea americana</i>	Australia	JX010184	-	JX009573	JX009919	JX009692
<i>C.cymbidiicola</i>	MI347923*	<i>Cymbidium sp.</i>	Australia	JQ005166	JQ005600	JQ005514	JQ005253	JQ005687
<i>C.cymbidiicola</i>	ICMP18584	<i>Cymbidium sp.</i>	New Zealand	JQ005167	JQ005601	JQ005515	JQ005254	JQ005688
<i>C.cymbidiicola</i>	CBS130241	<i>Dacrydium</i>	New Zealand	JQ005236	JQ005670	JQ005584	JQ005323	JQ005757
<i>C.petchii</i>	CBS378.94*	<i>Dracaena marginata</i>	Italy	JQ005223	JQ005657	JQ005571	JQ005310	JQ005744
<i>C.petchii</i>	CBS118193	<i>Dracaena sanderana</i>	China	JQ005227	JQ005661	JQ005575	JQ005314	JQ005748

<i>C. petchii</i>	CBS118774	<i>Dracaena sanderana</i>	China	JQ005225	JQ005659	JQ005573	JQ005312	JQ005746
<i>C. cuscatae</i>	CPC18873*	<i>Cuscuta sp.</i>	Dominica	JQ948195	JQ949846	JQ949516	JQ948525	-
<i>C. godetiae</i>	CBS133.44*	<i>Clarkia hybrida, cv</i>	Denmark	JQ948402	JQ950053	JQ949723	JQ948733	-
<i>C. godetiae</i>	CBS160.50	<i>Citrus aurantium</i>	-	JQ948406	JQ950057	JQ949727	JQ948737	-
<i>C. godetiae</i>	IMI351248	<i>Ceanothus sp.</i>	UK	JQ948433	JQ950084	JQ949754	JQ948764	-
<i>C. viniferum</i>	C4	<i>Vitis vinifera</i>	China	KF156848	KF288968	KF377516	KF377479	-
<i>C. viniferum</i>	G141-1	<i>Vitis vinifera</i>	China	<b>KF156847</b>	KF288967	KF377514	KF377477	-
<i>C. viniferum</i>	B12	<i>Vitis vinifera</i>	China	KF156850	KF288969	KF377518	KF377481	-
<i>C. viniferum</i>	G12-1	<i>Vitis vinifera</i>	China	KF156846	KF288962	KF377513	KF377476	-

Note: ITS=internal transcribed spacer regions, TUB2=  $\beta$ -tubulin, ACT=actin, GAPDH=glyceraldehyde-3-phosphate dehydrogenase, CAL=calmodulin.

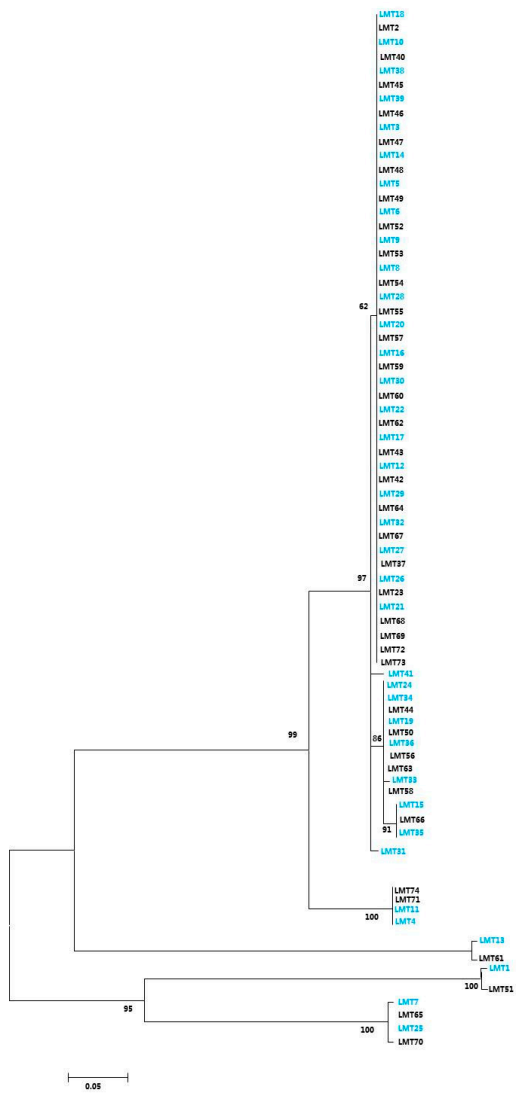
Asterisks (\*) indicate ex-holotype or ex-epitype cultures. Isolates from this study are shown in bold.



**Figure S1.** A maximum parsimony tree based on partial GAPDH gene sequences from 74 *Colletotrichum* isolates. Parsimony bootstrap values of more than 50%

are shown at the nodes. Isolates selected for subsequent phylogenetic analyses are highlighted in red.





**Figure S2.** A maximum likelihood tree based on partial GAPDH gene sequences from 74 *Colletotrichum* isolates. Parsimony bootstrap values of more than 50% are shown at the nodes. Isolates selected for subsequent phylogenetic analyses are highlighted in blue.



**Figure S3.** Phylogenetic tree generated from maximum likelihood analysis based on GAPDH, ITS, TUB2, ACT and CAL gene sequences. Parsimony bootstrap values of more than 50% are shown at the nodes. Isolates from this study are shown in bold, and the species of the same color belong to the same complex species of *Colletotrichum*. The tree is rooted with *Monilochaetes infuscans*. Detailed information is provided in Table S1.