

Table S2. Collection details and GenBank accession numbers of isolates included in this study.

Species	Isolate *	Host	Location	Genbank accession numbers *						
				<i>gapdh</i>	<i>chs-1</i>	<i>act</i>	<i>tub2</i>	<i>cal</i>	<i>gs</i>	ApMat
<i>Colletotrichum aenigma</i>	ICMP 18608	<i>Persea americana</i>	Israel	JX010044	JX009774	JX009443	JX010389	JX009683	JX010078	KM360143
<i>Colletotrichum aeshynomenes</i>	ICMP 17673	<i>Aeschynomene virginica</i>	USA	JX009930	JX009799	JX009483	JX010392	JX009721	JX010081	KM360145
<i>Colletotrichum alatae</i>	ICMP 17919	<i>Dioscorea alata</i>	India	JX009990	JX009837	JX009471	JX010383	JX009738	JX010065	KC888932
<i>Colletotrichum alienum</i>	ICMP 12071	<i>Malus domestica</i>	New Zealand	JX010028	JX009882	JX009572	JX010411	JX009654	JX010101	KM360144
<i>Colletotrichum analogum</i>	YMF 1.06943	<i>Ageratina adenophora</i>	China	OK513663	OK513559	OK513599	OK513629	-	-	-
<i>Colletotrichum aotearoa</i>	ICMP 18537	<i>Coprosma</i> sp.	New Zealand	JX010005	JX009853	JX009564	JX010420	JX009611	JX010113	KC888930
<i>Colletotrichum arecicola</i>	CGMCC 3.19667	<i>Areca catechu</i>	China	MK935455	MK935541	MK935374	MK935498	-	-	MK935413
<i>Colletotrichum artocarpicola</i>	MFLUCC 18-1167	<i>Artocarpus heterophyllus</i>	Thailand	MN435568	MN435569	MN435570	MN435567	-	-	-
<i>Colletotrichum asianum</i>	ICMP 18580	<i>Coffea arabica</i>	Thailand	JX010053	JX009867	JX009584	JX010406	FJ917506	JX010096	FR718814
<i>Colletotrichum australianum</i>	VPRI 43075; UMC002	<i>Citrus sinensis</i>	Australia	MG572127	MW091987	MN442109	MG572149	-	MG572160	MG572171
<i>Colletotrichum camelliae</i>	CGMCC 3.14925	<i>Camellia sinensis</i>	China	KJ954782	-	KJ954363	KJ955230	KJ954634	KJ954932	KJ954497
<i>Colletotrichum cangyuanense</i>	YMF 1.05000	<i>Ageratina adenophora</i>	China	OK513666	OK513562	OK513602	OK513632	-	-	-
<i>Colletotrichum castaneae</i>	HGUP 22097	<i>Jasminum grandiflorum</i>	Thailand	OP737974	OP715779	OP715813	-	-	-	-
<i>Colletotrichum changpingense</i>	MFLUCC 15-0022	<i>Fragaria × ananassa</i>	China	KP852469	KP852449	KP683093	KP852490	-	-	-
<i>Colletotrichum Chiangmaiense</i>	MFLU 20-0604	<i>Magnolia garrettii</i>	Thailand	MW548592	MW623653	MW655578	-	-	-	-
<i>Colletotrichum chrysophilum</i>	CMM4268	<i>Musa</i> sp.	Brazil	KX094183	KX094083	KX093982	KX094285	KX094063	KX094204	KX094325
<i>Colletotrichum cigarro</i>	ICMP 18539	<i>Olea europaea</i>	Australia	JX009966	JX009800	JX009523	JX010434	JX009635	JX010132	-
<i>Colletotrichum clidemiae</i>	ICMP 18658	<i>Clidemia hirta</i>	USA (Hawaii)	JX009989	JX009877	JX009537	JX010438	JX009645	JX010129	KC888929
<i>Colletotrichum cobbittense</i>	BRIP 66219	<i>Cordyline stricta</i> × <i>C. australis</i>	Australia	MH094133	MH094135	MH094134	MH094137	-	-	-
<i>Colletotrichum conoides</i>	CGMCC 3.17615	<i>Capsicum annuum</i>	China	KP890162	KP890156	KP890144	KP890174	KP890150	-	-
<i>Colletotrichum cordylinicola</i>	ICMP 18579	<i>Cordyline fruticosa</i>	Thailand	JX009975	JX009864	HM470235	JX010440	HM470238	JX010122	JQ899274
<i>Colletotrichum dracaenigenum</i>	MFLUCC 19-0430	<i>Dracaena</i> sp.	Thailand	MT215577	MT215575	MT313686	-	-	-	-
<i>Colletotrichum endophyticum</i>	MFLUCC 13-0418	<i>Pennisetum purpureum</i>	Thailand	KC832854	-	KF306258	MZ673954	KC810018	-	-
<i>Colletotrichum fici-septicae</i>	MFLU 19-2770	<i>Ficus</i> sp.	Taiwan	MW183774	MW177701	MW151585	-	-	-	-
<i>Colletotrichum fruticicola</i>	ICMP 18581	<i>Coffea arabica</i>	Thailand	JX010033	JX009866	FJ907426	JX010405	FJ917508	JX010095	JQ807838

<i>Colletotrichum fructivorum</i>	CBS 133125	<i>Vaccinium macrocarpon</i>	USA	MZ664047	MZ799259	MZ664126	JX145196	-	-	JX145300
<i>Colletotrichum gardeniae</i>	HGUP 22032 = GUCC 12049	<i>Gardenia jasminoides</i>	China	OP737963	OP715766	OP715801	OP720858	-	-	-
<i>Colletotrichum gloeosporioides</i>	LC3312 = LF534	<i>Camellia sinensis</i>	China	KJ954859	-	KJ954434	KJ955305	KJ954710	KJ955009	KJ954569
<i>Colletotrichum gloeosporioides</i>	GA077	<i>Persea americana</i>	Israel	KX620239	-	KX620142	KX620338	KX620203	KX62027 2	KX620174
<i>Colletotrichum gloeosporioides</i>	CBS 112999	<i>Citrus sinensis</i>	Italy	JQ005239	JQ005326	JQ005500	JQ005587	JQ005673	JX010085	JQ807843
<i>Colletotrichum gloeosporioides</i>	BRIP 28546a = VPRI 43028 = A09-43028	<i>Citrus sinensis</i> cv. Navel	Australia	MK470020	MW09197 8	MK470092	MK470056	-	MK47003 8	MK470074
<i>Colletotrichum gloeosporioides</i> (ex <i>C. citrulli</i>)	CAASZT52	<i>Citrullus lanatus</i>	China	OL456685	OL901153	OL449283	OL456644	-	-	-
<i>Colletotrichum gloeosporioides</i> (ex <i>C. dimorphum</i>)	YMF 1.07303	<i>Ageratina adenophora</i>	China	OK513669	OK513565	OK513605	OK513635	-	-	-
<i>Colletotrichum gloeosporioides</i>	APIN 3	<i>Persea americana</i>	Italy	PX560514	PX560503	PX560472	PX560536	PX560492	PX560525	PX560483
<i>Colletotrichum gloeosporioides</i>	APIN 4	<i>Persea americana</i>	Italy	PX560515	PX560504	PX560473	PX560537	PX560493	PX560526	PX560484
<i>Colletotrichum gloeosporioides</i>	APIN 7	<i>Persea americana</i>	Italy	PX560516	PX560505	PX560474	PX560538	PX560494	PX560527	PX560485
<i>Colletotrichum gloeosporioides</i>	APIN 13	<i>Persea americana</i>	Italy	PX560517	PX560506	PX560475	PX560539	PX560495	PX560528	PX560486
<i>Colletotrichum gloeosporioides</i>	APIN 14	<i>Persea americana</i>	Italy	PX560518	PX560507	PX560476	PX560540	PX560496	PX560529	PX560483
<i>Colletotrichum gracile</i>	YMF 1.06939	<i>Ageratina adenophora</i>	China	OK513671	OK513567	OK513607	OK513637	-	-	-
<i>Colletotrichum grevilleae</i>	CBS 132879	<i>Grevillea</i> sp.	Italy	KC297010	KC296987	KC296941	KC297102	KC296963	KC29703 3	-
<i>Colletotrichum grossum</i>	CGMCC3.17614	<i>Capsicum annuum</i>	China	KP890159	KP890153	KP890141	KP890171	KP890147	-	-
<i>Colletotrichum hebeiense</i>	MFLUCC 13-0726	<i>Vitis vinifera</i>	China	KF377495	KF289008	KF377532	KF288975	-	-	KF377562
<i>Colletotrichum hedericola</i>	MFLU 15-0689	<i>Hedera helix</i>	Italy	-	MN635794	MN635795	-	-	-	-
<i>Colletotrichum helleniense</i>	CBS 142418	<i>Poncirus trifoliata</i>	Greece	KY856270	KY856186	KY856019	KY856528	KY856099	-	-
<i>Colletotrichum henanense</i>	CGMCC 3.17354	<i>Camellia sinensis</i>	China	KJ954810	-	KM023257	KJ955257	KJ954662	KJ954960	KJ954524
<i>Colletotrichum horii</i>	ICMP 10492	<i>Diospyros kaki</i>	Japan	GQ329681	JX009752	JX009438	JX010450	JX009604	JX010137	JQ807840
<i>Colletotrichum hystricis</i>	CBS 142411	<i>Citrus hystrix</i>	Italy	KY856274	KY856190	KY856023	KY856532	KY856103	-	-
<i>Colletotrichum jiangxiense</i>	CGMCC 3.17363	<i>Camellia sinensis</i>	China	KJ954902	-	KJ954471	KJ955348	KJ954752	KJ955051	KJ954607
<i>Colletotrichum kahawae</i>	ICMP 17816	<i>Coffea robusta</i>	Kenya	JX010012	JX009813	JX009452	JX010444	JX009642	JX010130	JQ894579

<i>Colletotrichum kunmingense</i>	HGUP 22049 = GUCC 12053	<i>Ophiopogon japonicus</i>	China	OP737965	OP715769	OP715804	OP720861	-	-	-
<i>Colletotrichum ledongense</i>	CGMCC 3.18888 = LD1683	<i>Hevea brasiliensis</i>	China	MG242017	MG242019	MG242015	MG242011	MG242013	MG242021	-
<i>Colletotrichum ligustri</i>	HGUP 22051 = GUCC 12111	<i>Ilex chinensis</i>	China	OP737968	OP715773	OP740216	OP720864	-	-	-
<i>Colletotrichum makassarensense</i>	CBS 143664	<i>Capsicum annuum</i>	Indonesia	MH728820	MH805850	MH781480	MH846563	-	MH748264	MH728831
<i>Colletotrichum menglaense</i>	YMF 1.04960	air sample	China	MH023507	MH023508	MH023506	-	-	-	-
<i>Colletotrichum mengyinense</i>	SAUCC200702	<i>Rosa chinensis</i>	China	MW846240	MW883686	MW883695	MW888970	MW922538	MW888961	-
<i>Colletotrichum musae</i>	ICMP 19119	<i>Musa</i> sp.	USA	JX010050	JX009896	JX009433	HQ596280	JX009742	JX010103	KC888926
<i>Colletotrichum nanhuaense</i>	YMF1.04993	<i>Ageratina adenophora</i>	China	OK513673	OK513569	OK513609	OK513639	-	-	-
<i>Colletotrichum noveboracense</i>	CBS 146410 - AFKH109	<i>Malus domestica</i>	USA	MN640567	-	MN640565	MN640569	MN640566	MN640568	MN640564
<i>Colletotrichum nullisetosum</i>	YMF 1.06946	<i>Mangifera indica</i>	China	OK513675	OK513571	OK513611	OK513641	-	-	-
<i>Colletotrichum nupharicola</i>	ICMP 18187	<i>Musa sapientum</i>	Kenya	JX009972	JX009835	JX009437	JX010398	JX009663	JX010088	JX145319
<i>Colletotrichum oblongisporum</i>	YMF 1.06938	<i>Ageratina adenophora</i>	China	OK513677	OK513573	-	OK513643	-	-	-
<i>Colletotrichum perseae</i>	Pa01	<i>Persea americana</i>	Turkey	-	-	PQ227308	-	PQ227310	-	PQ227312
<i>Colletotrichum perseae</i>	CBS 141365 = GA100	<i>Persea americana</i>	Israel	KX620242	MZ799260	KX620145	KX620341	KX620206	KX620275	KX620177
<i>Colletotrichum perseae</i>	CBS 141366 = GA272	<i>Persea americana</i>	Israel	KX620255	-	KX620158	KX620354	KX620220	KX620287	KX620188
<i>Colletotrichum perseae</i>	GA335	<i>Persea americana</i>	Israel	KX620259	-	KX620162	KX620358	KX620224	KX620291	KX620192
<i>Colletotrichum perseae</i>	APIN 8	<i>Persea americana</i>	Italy	PX560519	PX560508	PX560477	PX560541	PX560497	PX560530	-
<i>Colletotrichum perseae</i>	APIN 9	<i>Persea americana</i>	Italy	PX560520	PX560509	PX560478	PX560542	PX560498	PX560531	-
<i>Colletotrichum perseae</i>	APIN 10	<i>Persea americana</i>	Italy	PX560521	PX560510	PX560479	PX560543	PX560499	PX560532	PX560484
<i>Colletotrichum perseae</i>	APIN 16	<i>Persea americana</i>	Italy	PX560522	PX560511	PX560480	PX560544	PX560500	PX560533	PX560485
<i>Colletotrichum perseae</i>	APIN 20	<i>Persea americana</i>	Italy	PX560523	PX560512	PX560481	PX560545	PX560501	PX560534	PX560486
<i>Colletotrichum perseae</i>	APIN 21	<i>Persea americana</i>	Italy	PX560524	PX560513	PX560482	PX560546	PX560502	PX560535	PX560487
<i>Colletotrichum proteae</i>	CBS 132882	<i>Protea</i> sp.	South Africa	KC297009	KC296986	KC296940	KC297101	KC296960	-	-
<i>Colletotrichum pseudotheobromicola</i>	MFLUCC 18–1602	<i>Prunus avium</i>	China	MH853675	MH853678	MH853681	MH853684	-	-	-
<i>Colletotrichum psidii</i>	ICMP 19120	<i>Psidium</i> sp.	Italy	JX009967	JX009901	JX009515	JX010443	JX009743	JX010133	KC888931
<i>Colletotrichum pyrifoliae</i>	CGMCC 3.18902	<i>Pyrus pyrifolia</i>	China	MG747996	MG747914	MG747768	MG748158	-	-	-

<i>Colletotrichum queenslandicum</i>	ICMP 1778	<i>Carica papaya</i>	Australia	JX009934	JX009899	JX009447	JX010414	JX009691	JX010104	KC888928
<i>Colletotrichum rhexiae</i>	CBS 133134	<i>Rhexia virginica</i>	USA	MZ664046	MZ799258	MZ664127	JX145179	-	-	JX145290
<i>Colletotrichum salsolae</i>	ICMP 19051	<i>Salsola tragus</i>	Hungary	JX009916	JX009863	JX009562	JX010403	JX009696	JX010093	KC888925
<i>Colletotrichum siamense</i>	ICMP 18578	<i>Coffea arabica</i>	Thailand	JX009924	JX009865	FJ907423	JX010404	FJ917505	JX010094	JQ899289
<i>Colletotrichum siamense</i> (ex <i>C. pandanicola</i>)	MFLUCC 17-0571	<i>Pandanus</i> sp.	Thailand	MG646934	MG646931	MG646938	MG646926	-	-	-
<i>Colletotrichum siamense</i> (ex <i>C. parvisporum</i>)	YMF 1.06942	<i>Ageratina adenophora</i>	China	OK513679	OK513575	OK513613	OK513645	-	-	-
<i>Colletotrichum subhenanense</i>	YMF1.06865	<i>Ageratina adenophora</i>	China	OK513684	OK513581	OK513618	OK513647	-	-	-
<i>Colletotrichum syzygiicola</i>	MFLUCC 10-0624	<i>Syzygium samarangense</i>	Thailand	KF242156	-	KF157801	KF254880	KF254859	KF242125	-
<i>Colletotrichum tainanense</i>	CBS 143666	<i>Capsicum annuum</i>	Taiwan	MH728823	MH805845	MH781475	MH846558	-	MH748259	MH728836
<i>Colletotrichum temperatum</i>	CBS 133122	<i>Vaccinium macrocarpon</i>	USA	MZ664045	MZ799254	MZ664125	JX145211	-	-	JX145298
<i>Colletotrichum tengchongense</i>	YMF 1.04950	<i>Isoetes sinensis</i>	China	OL981264	OL981290	OL981238	-	-	-	-
<i>Colletotrichum thasutense</i>	MFLU 22-0206	<i>Syngonium</i> sp.	Thailand	OP831282	OP831281	OP831280	OP831283	-	-	-
<i>Colletotrichum theobromicola</i>	ICMP 18649	<i>Theobroma cacao</i>	Panama	JX010006	JX009869	JX009444	JX010447	JX009591	JX010139	KC790726
<i>Colletotrichum ti</i>	ICMP 4832	<i>Coryline</i> sp.	New Zealand	JX009952	JX009898	JX009520	JX010442	JX009649	JX010123	KM360146
<i>Colletotrichum tomentosae</i>	ZHKUCC 21-0103	<i>Citrus maxima</i> cv. Tomentosa	China	OL855850	OL855860	OL855870	OL855887	-	-	-
<i>Colletotrichum tropicale</i>	ICMP 18653	<i>Theobroma cacao</i>	Panama	JX010007	JX009870	JX009489	JX010407	JX009719	JX010097	KC790728
<i>Colletotrichum viniferum</i>	GZAAS 5.08601	<i>Vitis vinifera</i> cv. Shuijing	China	JN412798	-	JN412795	JN412813	JQ309639	JN412787	-
<i>Colletotrichum vulgaris</i>	YMF 1.04940	<i>Hippuris vulgaris</i>	China	OL981265	OL981291	OL981239	-	-	-	-
<i>Colletotrichum wuxiense</i>	CGMCC 3.17894	<i>Camellia sinensis</i>	China	KU252045	KU251939	KU251672	KU252200	KU251833	KU252101	KU251722
<i>Colletotrichum xanthorrhoeae</i>	ICMP 17903	<i>Xanthorrhoea preissii</i>	Australia	JX009927	JX009823	JX009478	JX010448	JX009653	JX010138	KC790689
<i>Colletotrichum</i> <i>xishuangbannaense</i>	MFLUCC 19-0107	<i>Magnolia liliifera</i>	China	MW537586	MW660832	MW652294	-	-	-	-
<i>Colletotrichum yuanjiangense</i>	YMF 1.04996	<i>Ageratina adenophora</i>	China	OK513686	OK513583	OK513620	OK513649	-	-	-
<i>Colletotrichum yulongense</i>	CFCC 50819	<i>Vaccinium dunalianum</i> var. <i>urophyllum</i>	China	MK108992	MK108991	MK108989	MK108993	MK108990	MK108995	-

* Isolates and sequences obtained in this study indicated in **bold**. *gapdh*: glyceraldehyde-3-phosphate dehydrogenase locus; *chs-1*: chitin synthase locus; *act*: actin; *tub2*: β -tubulin locus; *cal*: calmodulin locus; *gs*: glutamine synthetase locus; ApMat: mating type protein 1-2-1 (Mat-1-2-1) gene, and Mat-1-2-1-Apn2 intergenic spacer