

SUPPLEMENTARY INFORMATION

Reconsideration of species boundaries and proposed DNA barcodes for *Calonectria*

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Table S1. Isolates obtained, re-sequenced and used in the phylogenetic analyses in this study.

Code A ¹	Previous species name ²	Isolates numbers ^{3,4,5}	Other collection number ³	Code B ⁶	Accepted species name ⁷	Isolates after species revision ^{8,9}	Hosts	Area of occurrence	Collector	GenBank accession Numbers ¹⁰ <i>act</i> ; <i>cmdA</i> ; <i>his3</i> ; ITS; LSU; <i>rpb2</i> ; <i>tef1</i> ; <i>tub2</i>	References or source of data
A1	<i>Calonectria acaciicola</i>	CMW 47173 ^T	CBS 143557	B1	<i>Ca. acaciicola</i>	CMW 47173 ^T	Soil (<i>Acacia auriculiformis</i> plantation)	Do Luong, Nghe An, Vietnam	N.Q. Pham & T.Q. Pham	MT334933; MT335160; MT335399; MT359620; MT359380; MT412474; MT412690; MT412930	Pham <i>et al.</i> (2019), this study
		CMW 47174	CBS 143558	B1	<i>Ca. acaciicola</i>	CMW 47174	Soil (<i>A. auriculiformis</i> plantation)	Do Luong, Nghe An, Vietnam	N.Q. Pham & T.Q. Pham	MT334934; MT335161; MT335400; MT359621; MT359381; MT412475; MT412691; MT412931	Pham <i>et al.</i> (2019), this study
A2	<i>Ca. acicola</i>	CMW 30996 ^T	–	B2	<i>Ca. acicola</i>	CMW 30996 ^T	<i>Phoenix canariensis</i>	Northland, New Zealand	H. Pearson	MT334935; MT335162; MT335401; MT359622; MT359382; MT412476; MT412692; MT412932	Gadgil & Dick (2004), Lombard <i>et al.</i> (2010a), this study
		CBS 114812	CMW 51216	B2	<i>Ca. acicola</i>	CBS 114812	<i>P. canariensis</i>	Northland, New Zealand	H. Pearson	MT334936; MT335163; MT335402; MT359623; MT359383; MT412477; MT412693; MT412933	Gadgil & Dick (2004), Lombard <i>et al.</i> (2010a), this study
A3	<i>Ca. aciculata</i>	CERC 5342 ^T	CBS 142883; CMW 47645	B3	<i>Ca. aciculata</i>	CERC 5342 ^T	<i>Eucalyptus urophylla</i> × <i>E. grandis</i>	YunNan, China	S.F. Chen & J.Q. Li	MT334937; MT335164; MT335403; MT359624; MT359384; MT412478; MT412694; MT412934	Li <i>et al.</i> (2017), this study
A4	<i>Ca. aconidialis</i>	CMW 35174 ^T	CBS 136086; CERC 1850	B4	<i>Ca. aconidialis</i>	CMW 35174 ^T	Soil (<i>Eucalyptus</i> plantation)	HaiNan, China	X. Mou & S.F. Chen	MT334938; MT335165; MT335404; MT359625; MT359385; MT412479; MT412695; N/A ¹¹	Lombard <i>et al.</i> (2015a), this study
		CMW 35384	CBS 136091; CERC 1886	B4	<i>Ca. aconidialis</i>	CMW 35384	Soil (<i>Eucalyptus</i> plantation)	HaiNan, China	X. Mou & S.F. Chen	MT334939; MT335166; MT335405; MT359626; MT359386; N/A; MT412696; N/A	Lombard <i>et al.</i> (2015a), this study
A5	<i>Ca. aeknauliensis</i>	CMW 48253 ^T	CBS 143559	B5	<i>Ca. aeknauliensis</i>	CMW 48253 ^T	Soil (<i>Eucalyptus</i> plantation)	Aek Nauli, North Sumatra, Indonesia	M.J. Wingfield	MT334953; MT335180; MT335419; MT359640; MT359400; MT412486; MT412710; N/A	Pham <i>et al.</i> (2019), this study
		CMW 48254	CBS 143560	B5	<i>Ca. aeknauliensis</i>	CMW 48254	Soil (<i>Eucalyptus</i> plantation)	Aek Nauli, North Sumatra, Indonesia	M.J. Wingfield	MT334954; MT335181; MT335420; MT359641; MT359401; MT412487; MT412711; N/A	Pham <i>et al.</i> (2019), this study
A6	<i>Ca. amazonica</i>	CBS 116250 ^T	CMW 51234; CPC 3534	B6	<i>Ca. amazonica</i>	CBS116250 ^T	<i>E. tereticornis</i>	Amazon, Brazil	P.W. Crous & A.C. Alfenas	MT334955; MT335182; MT335421; MT359642; MT359402; MT412488; MT412712; MT412935	Lombard <i>et al.</i> (2016), this study

		CBS 115486	CMW 51223; CPC 3894	B6	Ca. amazonica	CBS 115486	<i>E. tereticornis</i>	Amazon, Brazil	P.W. Crous & A.C. Alfenas	MT334956; MT335183; MT335422; MT359643; MT359403; MT412489; MT412713; MT412936	Lombard <i>et al.</i> (2016), this study
A7	<i>Ca. amazoniensis</i> *	CBS 115440 ^T	CMW 51222; CPC 3885	B6	<i>Ca. amazonica</i> [#]	CBS 115440	<i>E. tereticornis</i>	Amazon, Brazil	P.W. Crous & A.C. Alfenas	MT334957; MT335184; MT335423; MT359644; MT359404; N/A; MT412714; MT412937	Lombard <i>et al.</i> (2016), this study
		CBS 115438	CMW 51220; CPC 3890	B6	<i>Ca. amazonica</i> [#]	–	<i>E. tereticornis</i>	Amazon, Brazil	P.W. Crous & A.C. Alfenas	MT334958; MT335185; MT335424; MT359645; MT359405; N/A; MT412715; MT412938	Lombard <i>et al.</i> (2016), this study
		CBS 115439	CMW 51221; CPC 3889	B6	<i>Ca. amazonica</i> [#]	–	<i>E. tereticornis</i>	Amazon, Brazil	P.W. Crous & A.C. Alfenas	MT334959; MT335186; MT335425; MT359646; MT359406; N/A; MT412716; MT412939	Lombard <i>et al.</i> (2016), this study
A8	<i>Ca. angustata</i>	CMW 30990 ^T	CBS 114544; CPC 2347; P99-0454	B7	Ca. angustata	CMW 30990 ^T	<i>Tillandsia capitata</i>	Sarasota nursery, Florida, USA	R.M. Leahy	MT334963; N/A; MT335429; MT359650; MT359410; MT412493; MT412720; MT412943	Crous <i>et al.</i> (2000, 2006), Lombard <i>et al.</i> (2010a), this study
A9	<i>Ca. arbusta</i> *	CMW 31370 ^T	CBS 136079; CERC 1705	B4	<i>Ca. aconidialis</i> [#]	CMW 31370	Soil (<i>Eucalyptus</i> plantation)	GuangXi, China	X. Zhou, G. Zhao & F. Han	MT334940; MT335167; MT335406; MT359627; MT359387; MT412480; MT412697; N/A	Lombard <i>et al.</i> (2015a), this study
		CMW 37981	CBS 136098; CERC 1944	B4	<i>Ca. aconidialis</i> [#]	–	Soil (<i>Eucalyptus</i> plantation)	GuangXi, China	X. Zhou, G. Zhao & F. Han	MT334941; MT335168; MT335407; MT359628; MT359388; N/A; MT412698; N/A	Lombard <i>et al.</i> (2015a), this study
A11	<i>Ca. auriculiformis</i>	CMW 47178 ^T	CBS 143561	B9	Ca. auriculiformis	CMW 47178 ^T	Soil (<i>A. auriculiformis</i> plantation)	Hau Loc, Thanh Hoa, Vietnam	N.Q. Pham & T.Q. Pham	MT334964; MT335190; MT335430; MT359651; MT359411; MT412494; MT412721; MT412944	Pham <i>et al.</i> (2019), this study
		CMW 47179	CBS 143562	B9	Ca. auriculiformis	CMW 47179	Soil (<i>A. auriculiformis</i> plantation)	Hau Loc, Thanh Hoa, Vietnam	N.Q. Pham & T.Q. Pham	N/A; MT335191; MT335431; MT359652; MT359412; MT412495; MT412722; MT412945	Pham <i>et al.</i> (2019), this study
A12	<i>Ca. australiensis</i>	CMW 23669 ^T	CBS 112954; CPC 4714	B10	Ca. australiensis	CMW 23669 ^T	<i>Ficus pleurocarpa</i>	Queensland, Australia	C. Pearce & B. Paulus	MT334965; MT335192; MT335432; MT359653; MT359413; MT412496; MT412723; MT412946	Crous <i>et al.</i> (2006), Lombard <i>et al.</i> (2010a), this study
A14	<i>Ca. baviensis</i> *	CMW 47410 ^T	CBS 143563	B106	<i>Ca. reteaudii</i> [#]	CMW 47410	<i>E. urophylla</i> (leaf)	Bavi, Hanoi, Vietnam	N.Q. Pham & T.Q. Pham	MT334966; MT335193; MT335433; MT359654; MT359414; MT412497; MT412724; N/A	Pham <i>et al.</i> (2019), this study
		CMW 47433	CBS 143564	B106	<i>Ca. reteaudii</i> [#]	–	<i>E. pellita</i> (leaf)	Bavi, Hanoi, Vietnam	N.Q. Pham & T.Q. Pham	MT334967; MT335194; MT335434; MT359655; MT359415; MT412498; MT412725; MT412947	Pham <i>et al.</i> (2019), this study
A15	<i>Ca. blephiliae</i> *	CBS 136425 ^T	CMW 51321; CPC 21859	B32	<i>Ca. cylindrospora</i> [#]	CBS 136425	<i>Blephilia ciliata</i>	Ellerbe, North Carolina, USA	T. Sharp	MT335005; MT335235; MT335475; MT359696; MT359456; MT412539; MT412766; MT412984	Crous <i>et al.</i> (2013), this study

A16	<i>Ca. brachiatica</i>	CMW 25298 ^T	CBS 123700	B12	<i>Ca. brachiatica</i>	CMW 25298 ^T	<i>Pinus maximinoi</i>	Buga, Colombia	M.J. Wingfield	N/A; MT335195; MT335435; MT359656; MT359416; MT412499; MT412726; MT412948	Lombard <i>et al.</i> (2009), this study
		CMW 25302	–	B12	<i>Ca. brachiatica</i>	CMW 25302	<i>Pi. tecunumanii</i>	Buga, Colombia	M.J. Wingfield	N/A; MT335196; MT335436; MT359657; MT359417; MT412500; MT412727; MT412949	Lombard <i>et al.</i> (2009), this study
		CMW 25307	–	B12	<i>Ca. brachiatica</i>	CMW 25307	<i>Pi. tecunumanii</i>	Buga, Colombia	M.J. Wingfield	N/A; MT335197; MT335437; MT359658; MT359418; MT412501; MT412728; MT412950	Lombard <i>et al.</i> (2009), this study
A17	<i>Ca. brasiliiana</i>	CBS 111484 ^T	CMW 51187; CPC 1924	B13	<i>Ca. brasiliiana</i>	CBS 111484 ^T	Soil	Brazil	A.C. Alfenas	MT334968; MT335198; MT335438; MT359659; MT359419; MT412502; MT412729; MT412951	Lombard <i>et al.</i> (2016), this study
		CBS 111485	CMW 51188; CPC 1929	B13	<i>Ca. brasiliiana</i>	CBS 111485	Soil	Brazil	A.C. Alfenas	MT334969; MT335199; MT335439; MT359660; MT359420; MT412503; MT412730; MT412952	Lombard <i>et al.</i> (2016), this study
A18	<i>Ca. brasiliensis</i>	CBS 230.51 ^T	IMI 299576	B14	<i>Ca. brasiliensis</i>	CBS 230.51 ^T	<i>Eucalyptus</i> sp.	Ceara state, Brazil	T.R. Ciferri	MT334970; MT335200; MT335440; MT359661; MT359421; MT412504; MT412731; MT412953	Batista (1951), Crous (2002), Lombard <i>et al.</i> (2010b), this study
		CMW 32949	CBS 114257; CPC 1944	B14	<i>Ca. brasiliensis</i>	CMW 32949	<i>Eucalyptus</i> sp.	Aracruz, Brazil	A.C. Alfenas	MT334971; MT335201; MT335441; MT359662; MT359422; MT412505; MT412732; MT412954	Lombard <i>et al.</i> (2010a), this study
A20	<i>Ca. brassicae</i>	CBS 111869 ^T	CPC 2409	B16	<i>Ca. brassicae</i>	CBS 111869 ^T	<i>Argyrea splendens</i>	Indonesia	F. Bugnicourt	MT334972; MT335202; MT335442; MT359663; MT359423; MT412506; MT412733; MT412955	Crous (2002), Lombard <i>et al.</i> (2010a, 2016), this study
		CMW 30981	CBS 111478; CPC 1921	B83	<i>Ca. parvispora</i> ^{&}	–	Soil	Brazil	A.C. Alfenas	MT335081; MT335313; MT335553; MT359774; MT359534; MT412606; MT412844; MT413056	Lombard <i>et al.</i> (2010a, 2016), this study
A22	<i>Ca. brevistipitata</i>	CBS 115671 ^T	CMW 51226; CPC 949	B18	<i>Ca. brevistipitata</i>	CBS 115671 ^T	Soil	Mexico	P.W. Crous	MT334973; MT335203; MT335443; MT359664; MT359424; MT412507; MT412734; MT412956	Lombard <i>et al.</i> (2016), this study
		CBS 110928	CMW 51170; CPC 951	B18	<i>Ca. brevistipitata</i>	CBS 110928	Soil	Mexico	P.W. Crous	MT334974; MT335204; MT335444; MT359665; MT359425; MT412508; MT412735; MT412957	Lombard <i>et al.</i> (2016), this study
		CBS 110837	CMW 51163; CPC 913	B18	<i>Ca. brevistipitata</i>	CBS 110837	Soil	Mexico	P.W. Crous	MT335057; MT335289; MT335529; MT359750; MT359510; MT412586; MT412820; MT413034	Lombard <i>et al.</i> (2016), this study
A23	<i>Ca. bumicola</i>	CMW 48257 ^T	CBS 143575	B19	<i>Ca. bumicola</i>	CMW 48257 ^T	Soil (<i>Eucalyptus</i> plantation)	Aek Nauli, North Sumatra, Indonesia	M.J. Wingfield	MT334975; MT335205; MT335445; MT359666; MT359426; MT412509; MT412736; N/A	Pham <i>et al.</i> (2019), this study

A24	<i>Ca. canadiana</i>	CMW 23673 ^T	CBS 110817; STE-U 499	B20	<i>Ca. canadiana</i>	CMW 23673 ^T	<i>Picea</i> sp.	Canada	S. Greifenhagen	MT334976; MT335206; MT335446; MT359667; MT359427; MT412510; MT412737; MT412958	Kang <i>et al.</i> (2001b), Crous (2002), Lechat <i>et al.</i> (2010), this study
A25	<i>Ca. candelabrum</i>	CMW 31000	CPC 1675; UFV 117	B21	<i>Ca. candelabrum</i>	CMW 31000	<i>Eucalyptus</i> sp.	Amazonas, Brazil	A.C. Alfenas	MT334977; MT335207; MT335447; MT359668; MT359428; MT412511; MT412738; MT412959	Crous (2002), Lombard <i>et al.</i> (2010a, 2015b), this study
		CMW 31001	STE-U 1679; UFV 126	B21	<i>Ca. candelabrum</i>	CMW 31001	<i>Eucalyptus</i> sp.	Amazonas, Brazil	A.C. Alfenas	MT334978; MT335208; MT335448; MT359669; MT359429; MT412512; MT412739; MT412960	Crous (2002), Lombard <i>et al.</i> (2010a, 2015b), this study
A26	<i>Ca. cerciana</i>	CMW 25309 ^T	CBS 123693	B22	<i>Ca. cerciana</i>	CMW 25309 ^T	<i>E. urophylla</i> × <i>E. grandis</i> hybrid cutting	CERC nursery, GuangDong, China	M.J. Wingfield & X.D. Zhou	MT334981; MT335211; MT335451; MT359672; MT359432; MT412515; MT412742; MT412963	Lombard <i>et al.</i> (2010c), this study
		CMW 25290	CBS 123695	B22	<i>Ca. cerciana</i>	CMW 25290	<i>E. urophylla</i> × <i>E. grandis</i> hybrid cutting	CERC nursery, GuangDong, China	M.J. Wingfield & X.D. Zhou	MT334982; MT335212; MT335452; MT359673; MT359433; MT412516; MT412743; MT412964	Lombard <i>et al.</i> (2010c), this study
A27	<i>Ca. chinensis</i>	CMW 23674 ^T	CBS 114827; CPC 4101	B23	<i>Ca. chinensis</i>	CMW 23674 ^T	Soil	Hong Kong, China	E.C.Y. Liew	MT334990; MT335220; MT335460; MT359681; MT359441; MT412524; MT412751; MT412972	Crous <i>et al.</i> (2004), Lombard <i>et al.</i> (2010a), this study
		CMW 30986	CBS 112744; CPC 4104	B23	<i>Ca. chinensis</i>	CMW 30986	Soil	Hong Kong, China	E.C.Y. Liew	MT334991; MT335221; MT335461; MT359682; MT359442; MT412525; MT412752; MT412973	Crous <i>et al.</i> (2004), Lombard <i>et al.</i> (2010a), this study
A28	<i>Ca. citri</i>	CMW 23675 ^T	CBS 186.36	B24	<i>Ca. citri</i>	CMW 23675 ^T	<i>Citrus sinensis</i>	Florida, USA	H.S. Fawcett	MT334992; MT335222; MT335462; MT359683; MT359443; MT412526; MT412753; MT412974	Fawcett & Klotz (1937), Crous (2002), this study
A29	<i>Ca. clavata</i>	CMW 23690 ^T	ATCC 66389; CBS 114557; CPC 2536; P078-1543	B25	<i>Ca. clavata</i>	CMW 23690 ^T	<i>Callistemon viminalis</i>	Lake Placid, Florida, USA	C.P. Seymour & E.L. Barnard	MT334993; MT335223; MT335463; MT359684; MT359444; MT412527; MT412754; MT412975	Ei-Gholl <i>et al.</i> (1993b), Crous (2002), Lombard <i>et al.</i> (2010a), this study
		CMW 30994	CBS 114666; CPC 2537; P078-1261	B25	<i>Ca. clavata</i>	CMW 30994	Root debris in peat	Lee County, Florida, USA	D. Ferrin	MT334994; MT335224; MT335464; MT359685; MT359445; MT412528; MT412755; MT412976	Ei-Gholl <i>et al.</i> (1993b), Crous (2002), Lombard <i>et al.</i> (2010a), this study
A30	<i>Ca. cliffordii</i> col*	CBS 111812 ^T	CMW 51190; CPC 2631	B85	<i>Ca. pauciramosa</i> [#]	CBS 111812	<i>Cliffordia feruginea</i>	George, Western Cape Province, South Africa	P.W. Crous	MT335084; MT335316; MT335556; MT359777; MT359537; MT412609; MT412847; MT413059	Lombard <i>et al.</i> (2016), this study
		CBS 111814	CMW 51191; CPC 2617	B85	<i>Ca. pauciramosa</i> [#]	–	<i>Prunus avium</i>	Stellenbosch, South Africa	C. Linde	MT335085; MT335317; MT335557; MT359778; MT359538; MT412610; MT412848; MT413060	Lombard <i>et al.</i> (2016), this study

		CBS 111819	CMW 51192; CPC 2604	B85	<i>Ca. pauciramosa</i> [#]	–	<i>Pr. avium</i>	Stellenbosch, South Africa	C. Linde	MT335086; MT335318; MT335558; MT359779; MT359539; MT412611; MT412849; MT413061	Lombard <i>et al.</i> (2016), this study
A31	<i>Ca. cochinchinensis</i>	CMW 49915 ^T	CBS 143567	B26	<i>Ca. cochinchinensis</i>	CMW 49915 ^T	Soil (<i>Hevea brasiliensis</i> plantation)	Duong Minh Chau, Tay Ninh, Vietnam	N.Q. Pham, Q.N. Dang & T.Q. Pham	MT334995; MT335225; MT335465; MT359686; MT359446; MT412529; MT412756; MT412977	Pham <i>et al.</i> (2019), this study
		CMW 47186	CBS 143568	B26	<i>Ca. cochinchinensis</i>	CMW 47186	Soil (<i>A. auriculiformis</i> plantation)	Song May, Dong Nai, Vietnam	N.Q. Pham & T.Q. Pham	MT334996; MT335226; MT335466; MT359687; MT359447; MT412530; MT412757; MT412978	Pham <i>et al.</i> (2019), this study
		CMW 47187	CBS 143569	B26	<i>Ca. cochinchinensis</i>	CMW 47187	Soil (<i>A. auriculiformis</i> plantation)	Song May, Dong Nai, Vietnam	N.Q. Pham & T.Q. Pham	MT334997; MT335227; MT335467; MT359688; MT359448; MT412531; MT412758; MT412979	Pham <i>et al.</i> (2019), this study
A34	<i>Ca. colombiensis</i>	CMW 23676 ^T	CBS 112220; CPC 723	B29	<i>Ca. colombiensis</i>	CMW 23676 ^T	Soil (<i>E. grandis</i> trees)	La Selva, Colombia	M.J. Wingfield	MT334998; MT335228; MT335468; MT359689; MT359449; MT412532; MT412759; MT412980	Crous <i>et al.</i> (2004), this study
		CMW 30985	CBS 112221; CPC 724	B29	<i>Ca. colombiensis</i>	CMW 30985	Soil (<i>E. grandis</i> trees)	La Selva, Colombia	M.J. Wingfield	MT334999; MT335229; MT335469; MT359690; MT359450; MT412533; MT412760; MT412981	Crous <i>et al.</i> (2004), this study
A35	<i>Ca. crousiana</i>	CMW 27249 ^T	CBS 127198	B30	<i>Ca. crousiana</i>	CMW 27249 ^T	<i>E. grandis</i>	FuJian, China	M.J. Wingfield	MT335000; MT335230; MT335470; MT359691; MT359451; MT412534; MT412761; MT412982	Chen <i>et al.</i> (2011), this study
		CMW 27253	CBS 127199	B30	<i>Ca. crousiana</i>	CMW 27253	<i>E. grandis</i>	FuJian, China	M.J. Wingfield	MT335001; MT335231; MT335471; MT359692; MT359452; MT412535; MT412762; MT412983	Chen <i>et al.</i> (2011), this study
A36	<i>Ca. curvispora</i>	CMW 23693 ^T	CBS 116159; CPC 765	B31	<i>Ca. curvispora</i>	CMW 23693 ^T	Soil	Tamatave, Madagascar	P.W. Crous	MT335002; MT335232; MT335472; MT359693; MT359453; MT412536; MT412763; N/A	Victor <i>et al.</i> (1997), Crous (2002), Lombard <i>et al.</i> (2010a, 2015a), this study
A37	<i>Ca. cylindrospora</i>	CBS 119670	CMW 51310; CPC 12766	B32	<i>Ca. cylindrospora</i>	CBS 119670	<i>Pistacia lentiscus</i>	Italy	N/A	MT335006; MT335236; MT335476; MT359697; MT359457; MT412540; MT412767; MT412985	Lombard <i>et al.</i> 2015a,b, 2016), this study
		CMW 30978	CBS 110666; P90.1479; STE-U 497	B32	<i>Ca. cylindrospora</i>	CMW 30978	<i>Ilex vomitoria</i>	Florida, USA	N.E. El-Gholl	MT335007; MT335237; MT335477; MT359698; MT359458; MT412541; MT412768; MT412986	Crou (2002), Lombard <i>et al.</i> (2010a, 2015b), this study
A38	<i>Ca. densa</i>	CMW 31182 ^T	CBS 125261	B33	<i>Ca. densa</i>	CMW 31182 ^T	Soil	Las Golondrinas, Pichincha, Ecuador	M.J. Wingfield	MT335008; MT335238; MT335478; MT359699; MT359459; N/A; MT412769; MT412987	Lombard <i>et al.</i> (2010a), this study

		CMW 31184	CBS 125249	B33	<i>Ca. densa</i>	CMW 31184	Soil	Las Golondrinas, Pichincha, Ecuador	M.J. Wingfield	MT335009; MT335239; MT335479; MT359700; MT359460; N/A; MT412770; MT412988	Lombard <i>et al.</i> (2010a), this study
A40	<i>Ca. ecuadorae</i>	CMW 23677 ^T	CBS 111406; CPC 1635	B35	<i>Ca. ecuadorae</i>	CMW 23677 ^T	Soil	Ecuador	M.J. Wingfield	MT335012; MT335242; MT335482; MT359703; MT359463; MT412544; MT412773; MT412991	Crous <i>et al.</i> (2006), Lombard <i>et al.</i> (2010a), this study
		CMW 30980	CBS 111394; CPC 1628	B84	<i>Ca. pauciphialidica sp. nov.</i>	CMW 30980 ^T	Soil	Ecuador	M.J. Wingfield	MT335083; MT335315; MT335555; MT359776; MT359536; MT412608; MT412846; MT413058	Crous <i>et al.</i> (2006), Lombard <i>et al.</i> (2010a), this study
A41	<i>Ca. ecuadorensis</i> *	CBS 111706 ^T	CMW 51821; CPC 1636	B35	<i>Ca. ecuadorae</i> [#]	CBS 111706	Soil	Ecuador	M.J. Wingfield	MT335010; MT335240; MT335480; MT359701; MT359461; MT412542; MT412771; MT412989	Marin-Felix <i>et al.</i> (2017), this study
		CBS 114164	CMW 51822; CPC 1634	B35	<i>Ca. ecuadorae</i> [#]	–	Soil	Ecuador	M.J. Wingfield	MT335011; MT335241; MT335481; MT359702; MT359462; MT412543; MT412772; MT412990	Marin-Felix <i>et al.</i> (2017), this study
A42	<i>Ca. ericae</i> *	CBS 114458 ^T	CMW 51211; CPC 2019	B85	<i>Ca. pauciramosa</i> [#]	CBS 114458	<i>Erica capensis</i>	California, USA	S.T. Koike	MT335087; MT335319; MT335559; MT359780; MT359540; MT412612; MT412850; MT413062	Lombard <i>et al.</i> (2016), this study
		CBS 114456	CMW 51209; CPC 1984	B85	<i>Ca. pauciramosa</i> [#]	–	<i>Er. capensis</i>	California, USA	S.T. Koike	MT335088; MT335320; MT335560; MT359781; MT359541; MT412613; MT412851; MT413063	Lombard <i>et al.</i> (2016), this study
		CBS 114457	CMW 51210; CPC 1985	B85	<i>Ca. pauciramosa</i> [#]	–	<i>Er. capensis</i>	California, USA	S.T. Koike	MT335089; MT335321; MT335561; MT359782; MT359542; MT412614; MT412852; MT413064	Lombard <i>et al.</i> (2016), this study
A43	<i>Ca. eucalypti</i>	CMW 18444 ^T	CBS 125275	B36	<i>Ca. eucalypti</i>	CMW 18444 ^T	<i>E. grandis</i>	Aek Nauli, Sumatra Utara, Indonesia	M.J. Wingfield	MT335013; MT335243; MT335483; MT359704; MT359464; MT412545; MT412774; MT412992	Lombard <i>et al.</i> (2010a), this study
		CMW 18445	CBS 125276	B36	<i>Ca. eucalypti</i>	CMW 18445	<i>E. grandis</i>	Aek Nauli, Sumatra Utara, Indonesia	M.J. Wingfield	MT335014; MT335244; MT335484; MT359705; MT359465; MT412546; MT412775; MT412993	Lombard <i>et al.</i> (2010a), this study
A45	<i>Ca. expansa</i> *	CMW 31392 ^T	CBS 136247; CERC 1727	B4	<i>Ca. aconidialis</i> [#]	CMW 31392	Soil (<i>Eucalyptus</i> plantation)	GuangXi, China	X. Zhou, G. Zhao & F. Han	MT334942; MT335169; MT335408; MT359629; MT359389; MT412481; MT412699; N/A	Lombard <i>et al.</i> (2015a), this study
		CMW 31441	CBS 136078; CERC 1776	B4	<i>Ca. aconidialis</i> [#]	–	Soil (<i>Eucalyptus</i> plantation)	GuangXi, China	X. Zhou, G. Zhao & F. Han	MT334943; MT335170; MT335409; MT359630; MT359390; MT412482; MT412700; N/A	Lombard <i>et al.</i> (2015a), this study
A46	<i>Ca. floridana</i> *	CBS 114692 ^T	ATCC18882; CMW 51826	B55	<i>Ca. kyotensis</i> [#]	CBS 114692	<i>Prunus persica</i>	Georgia, USA	N/A	MT335015; MT335245; MT335485; MT359706; MT359466; MT412547; MT412776; MT412994	Sobers (1969), Crous (2002), Marin-Felix <i>et al.</i> (2017), this study

A47	<i>Ca. foliicola</i> *	CMW 31393 ^T	CBS 136641	B44	<i>Ca. hawksworthii</i> #	CMW 31393	<i>E. urophylla</i> × <i>E. grandis</i>	GuangXi, China	X. Zhou & G. Zhao	MT335017; MT335247; MT335487; MT359708; MT359468; MT412549; MT412778; MT412996	Lombard <i>et al.</i> (2015a), this study
		CMW 31395	–	B44	<i>Ca. hawksworthii</i> #	–	<i>E. urophylla</i> × <i>E. grandis</i>	GuangXi, China	X. Zhou & G. Zhao	MT335018; MT335248; MT335488; MT359709; MT359469; MT412550; MT412779; MT412997	Lombard <i>et al.</i> (2015a), this study
A49	<i>Ca. fujianensis</i>	CMW 27257 ^T	CBS 127201	B39	<i>Ca. fujianensis</i>	CMW 27257 ^T	<i>E. grandis</i>	FuJian, China	M.J. Wingfield	MT335019; MT335249; MT335489; MT359710; MT359470; MT412551; MT412780; MT412998	Chen <i>et al.</i> (2011), this study
		CMW 27254	CBS 127200	B39	<i>Ca. fujianensis</i>	CMW 27254	<i>E. grandis</i>	FuJian, China	M.J. Wingfield	MT335020; MT335250; MT335490; MT359711; MT359471; MT412552; MT412781; MT412999	Chen <i>et al.</i> (2011), this study
A51	<i>Ca. gordoniae</i>	CMW 23694 ^T	ATCC 201837; CBS 112142; P97-2567; STE-U 3136	B41	<i>Ca. gordoniae</i>	CMW 23694 ^T	<i>Gordonia lasianthus</i>	Florida, USA	D. Chiappini	MT335021; MT335251; MT335491; MT359712; MT359470; MT412553; MT412782; MT413000	Leahy <i>et al.</i> (2000), Crous (2002), Lombard <i>et al.</i> (2010a), this study
A52	<i>Ca. gracilipes</i>	CBS 115674 ^T	CMW 51227; STE-U 1153	B42	<i>Ca. gracilipes</i>	CBS 115674 ^T	Soil	La Selva, Colombia	M.J. Wingfield	MT335022; MT335252; MT335492; MT359713; MT359473; MT412554; MT412783; MT413001	Crous <i>et al.</i> (1997a, 2006), Crous (2002), this study
		CBS 111141	CMW 51174; CPC 1211	B42	<i>Ca. gracilipes</i>	CBS 111141	Soil	La Selva, Colombia	M.J. Wingfield	MT335023; MT335253; MT335493; MT359714; MT359474; MT412555; MT412784; MT413002	Crous (2002), Crous <i>et al.</i> (2006), this study
A54	<i>Ca. guangxiensis</i> *	CMW 35409 ^T	CBS 136092; CERC 1900	B4	<i>Ca. aconidialis</i> #	CMW 35409	Soil (<i>Eucalyptus</i> plantation)	GuangXi, China	X. Mou & R. Chang	MT334944; MT335171; MT335410; MT359631; MT359391; N/A; MT412701; N/A	Lombard <i>et al.</i> (2015a), this study
		CMW 35411	CBS 136094; CERC 1902	B4	<i>Ca. aconidialis</i> #	–	Soil (<i>Eucalyptus</i> plantation)	GuangXi, China	X. Mou & R. Chang	MT334945; MT335172; MT335411; MT359632; MT359392; N/A; MT412702; N/A	Lombard <i>et al.</i> (2015a), this study
A55	<i>Ca. hainanensis</i> *	CMW 35187 ^T	CBS 136248; CERC 1863	B4	<i>Ca. aconidialis</i> #	CMW 35187	Soil (<i>Eucalyptus</i> plantation)	HaiNan, China	X. Mou & S.F. Chen	MT334946; MT335173; MT335412; MT359633; MT359393; N/A; MT412703; N/A	Lombard <i>et al.</i> (2015a), this study
A56	<i>Ca. hawksworthii</i>	CBS 111870 ^T	CMW 51194; CPC 2405	B44	<i>Ca. hawksworthii</i>	CBS 111870 ^T	<i>Nelumbo nucifera</i>	Pamplemousses garden, Mauritius	A. Peeraly	MT335024; MT335254; MT335494; MT359715; MT359475; MT412556; MT412785; MT413003	Crous (2002), this study
A58	<i>Ca. heveicola</i>	CMW 49913 ^T	CBS 143570	B46	<i>Ca. heveicola</i>	CMW 49913 ^T	Soil (<i>Hevea brasiliensis</i> plantation)	Bau Bang, Binh Duong, Vietnam	N.Q. Pham, Q.N. Dang & T.Q. Pham	MT335025; MT335255; MT335495; MT359716; MT359476; N/A; MT412786; MT413004	Pham <i>et al.</i> (2019), this study

		CMW 49928	CBS 143571	B46	<i>Ca. heveicola</i>	CMW 49928	Soil	Bu Gia Map National Park, Binh Phuoc, Vietnam	N.Q. Pham, Q.N. Dang & T.Q. Pham	MT335048; MT335280; MT335520; MT359741; MT359501; MT412577; MT412811; MT413025	Pham <i>et al.</i> (2019), this study
		CMW 49935	CBS 143572	B46	<i>Ca. heveicola</i>	CMW 49935	Soil	Bu Gia Map National Park, Binh Phuoc, Vietnam	N.Q. Pham, Q.N. Dang & T.Q. Pham	MT335049; MT335281; MT335521; MT359742; MT359502; MT412578; MT412812; MT413026	Pham <i>et al.</i> (2019), this study
A60	<i>Ca. honghensis</i>	CERC 5572 ^T	CBS 142885; CMW 47669	B47	<i>Ca. honghensis</i>	CERC 5572 ^T	Soil (<i>Eucalyptus</i> plantation)	HongHe, YunNan, China	S.F. Chen & J.Q. Li	MT335026; MT335256; MT335496; MT359717; MT359477; MT412557; MT412787; MT413005	Li <i>et al.</i> (2017), this study
		CERC 5571	CBS 142884; CMW 47668	B47	<i>Ca. honghensis</i>	CERC 5571	Soil (<i>Eucalyptus</i> plantation)	HongHe, YunNan, China	S.F. Chen & J.Q. Li	MT335027; MT335257; MT335497; MT359718; MT359478; MT412558; MT412788; MT413006	Li <i>et al.</i> (2017), this study
A61	<i>Ca. hongkongensis</i>	CBS 114828 ^T	CMW 51217; CPC 4670	B48	<i>Ca. hongkongensis</i>	CBS 114828 ^T	Soil	Hong Kong, China	M.J. Wingfield	MT335028; MT335258; MT335498; MT359719; MT359479; MT412559; MT412789; MT413007	Crous <i>et al.</i> (2004), this study
		CMW 31383	-	B48	<i>Ca. hongkongensis</i>	-	Soil (<i>Eucalyptus</i> plantation)	GuangXi, China	N/A	MT335029; MT335259; MT335499; MT359720; MT359480; MT412560; MT412790; MT413008	Lombard <i>et al.</i> (2015a), this study
		CERC 3570	CMW 47271	B48	<i>Ca. hongkongensis</i>	-	Soil (<i>Eucalyptus</i> plantation)	BeiHai, GuangXi, China	S.F. Chen, J.Q. Li & G.Q. Li	MT335030; MT335260; MT335500; MT359721; MT359481; MT412561; MT412791; MT413009	Li <i>et al.</i> (2017), this study
		CERC 7132	CMW 47499	B48	<i>Ca. hongkongensis</i>	CERC 7132	Soil	FuJian, China	S.F. Chen	MT335031; MT335261; MT335501; MT359722; MT359482; MT412562; MT412792; MT413010	Li <i>et al.</i> (2017), this study
A62	<i>Ca. humicola</i>	CMW 31183 ^T	CBS 125251	B49	<i>Ca. humicola</i>	CMW 31183 ^T	Soil	Las Golondrinas, Pichincha, Ecuador	M.J. Wingfield	MT335032; MT335262; MT335502; MT359723; MT359483; N/A; MT412793; MT413011	Lombard <i>et al.</i> (2010a), this study
		CMW 31186	CBS 125252	B49	<i>Ca. humicola</i>	CMW 31186	Soil	Las Golondrinas, Pichincha, Ecuador	L. Lombard	MT335033; MT335263; MT335503; MT359724; MT359484; N/A; MT412794; MT413012	Lombard <i>et al.</i> (2010a), this study
		CMW 31187	CBS 125269	B49	<i>Ca. humicola</i>	CMW 31187	Soil	Las Golondrinas, Pichincha, Ecuador	L. Lombard	MT335034; MT335264; MT335504; MT359725; MT359485; N/A; MT412795; MT413013	Lombard <i>et al.</i> (2010a), this study
A63	<i>Ca. hurae</i>	CBS 114182	CMW 51823; CPC 1714; UFV 216	B50	<i>Ca. hurae</i>	CBS 114182	<i>Rumohra adiantiformis</i>	Brazil	A.C. Alfenas	MT335035; MT335265; MT335505; MT359726; MT359486; MT412563; MT412796; MT413014	Crous (2002), Crous <i>et al.</i> (2006), this study

A64	<i>Ca. ilicicola</i>	CMW 30998 ^T	CBS 190.50; IMI 299389; STE-U 2482	B51	<i>Ca. ilicicola</i>	CMW 30998 ^T	<i>Solanum tuberosum</i>	Bogor, Java, Indonesia	K.B. Boedijn & J. Reitsma	MT335036; MT335266; MT335506; MT359727; MT359487; MT412564; MT412797; N/A	Boedijn & Reitsma (1950), Crous (2002), Lombard <i>et al.</i> (2010a), this study
A65	<i>Ca. indonesiae</i>	CMW 23683 ^T	CBS 112823; CPC 4508	B52	<i>Ca. indonesiae</i>	CMW 23683 ^T	<i>Syzygium aromaticum</i>	Warambunga, Indonesia	M.J. Wingfield	MT335037; MT335267; MT335507; MT359728; MT359488; MT412565; MT412798; MT413015	Crous <i>et al.</i> (2004), this study
		CBS 112840	CMW 51205; CPC 4554	B52	<i>Ca. indonesiae</i>	CBS 112840	<i>S. aromaticum</i>	Warambunga, Indonesia	M.J. Wingfield	MT335038; MT335268; MT335508; MT359729; MT359489; MT412566; MT412799; MT413016	Crous <i>et al.</i> (2004), this study
A66	<i>Ca. indonesiae</i> *	CBS 112936 ^T	CMW 51207; CPC 4504	B112	<i>Ca. sumatrensis</i> [#]	CBS 112936	Soil	Northern Sumatra, Indonesia	M.J. Wingfield	MT335143; MT335380; MT335620; MT359841; MT359601; MT412672; MT412911; N/A	Lombard <i>et al.</i> (2016), this study
		CBS 112826	CMW 51202; CPC 4519	B112	<i>Ca. sumatrensis</i> [#]	–	Soil	Northern Sumatra, Indonesia	M.J. Wingfield	MT335144; MT335381; MT335621; MT359842; MT359602; MT412673; MT412912; MT413121	Lombard <i>et al.</i> (2016), this study
A68	<i>Ca. insularis</i>	CMW 30991 ^T	CBS 114558; CPC 768	B54	<i>Ca. insularis</i>	CMW 30991 ^T	Soil	Tamatave, Madagascar	P.W. Crous	N/A; MT335269; MT335509; MT359730; MT359490; MT412567; MT412800; MT413017	Schoch <i>et al.</i> (1999), Lombard <i>et al.</i> (2010a, 2016), this study
		CMW 30992	CBS 114559; CPC 954	B54	<i>Ca. insularis</i>	CMW 30992	Soil	Conejos, Veracruz, Mexico	M.J. Wingfield	N/A; MT335270; MT335510; MT359731; MT359491; MT412568; MT412801; MT413018	Lombard <i>et al.</i> (2010a, 2016), this study
A69	<i>Ca. kyotensis</i>	CBS 114525 ^T	ATCC 18834; CMW 51824; CPC 2367	B55	<i>Ca. kyotensis</i>	CBS 114525 ^T	<i>Robinia pseudoacacia</i>	Japan	T. Terashita	MT335039; MT335271; MT335511; MT359732; MT359492; MT412569; MT412802; MT413019	Terashita (1968), Crous (2002), Lombard <i>et al.</i> (2016), this study
		CBS 114550	CMW 51825; CPC 2351	B55	<i>Ca. kyotensis</i>	CBS 114550	Soil	China	M.J. Wingfield	MT335016; MT335246; MT335486; MT359707; MT359467; MT412548; MT412777; MT412995	Lombard <i>et al.</i> (2016), this study
A71	<i>Ca. lantauensis</i>	CERC 3302 ^T	CBS 142888; CMW 47252	B57	<i>Ca. lantauensis</i>	CERC 3302 ^T	Soil	LiDao, Hong Kong, China	M.J. Wingfield & S.F. Chen	MT335040; MT335272; MT335512; MT359733; MT359493; MT412570; MT412803; N/A	Li <i>et al.</i> (2017), this study
		CERC 3301	CBS 142887; CMW 47251	B57	<i>Ca. lantauensis</i>	CERC 3301	Soil	LiDao, Hong Kong, China	M.J. Wingfield & S.F. Chen	MT335041; MT335273; MT335513; MT359734; MT359494; N/A; MT412804; N/A	Li <i>et al.</i> (2017), this study
A72	<i>Ca. lateralis</i>	CMW 31412 ^T	CBS 136629	B58	<i>Ca. lateralis</i>	CMW 31412 ^T	Soil (<i>Eucalyptus</i> plantation)	GuangXi, China	X. Zhou, G. Zhao & F. Han	MT335042; MT335274; MT335514; MT359735; MT359495; MT412571; MT412805; MT413020	Lombard <i>et al.</i> (2015a), this study

A73	<i>Ca. lauri</i>	CMW 23682 ^T	CBS 749.70	B59	<i>Ca. lauri sp. nov.</i>	CMW 23682 ^T	<i>Ilex aquifolium</i>	Vijlen, Vijlenerbos, South-East Limburg, Netherlands	H.A. van der Aa	MT335043; MT335275; MT335515; MT359736; MT359496; MT412572; MT412806; MT413021	Lechat <i>et al.</i> (2010), Lombard <i>et al.</i> (2010a), this study
A74	<i>Ca. leguminum</i>	CMW 23684 ^T	CBS 728.68	B60	<i>Ca. leguminum</i>	CMW 23684 ^T	<i>Annona squamosa</i>	Sao Paulo, Brazil	M.B. Figueiredo	MT335044; MT335276; MT335516; MT359737; MT359497; MT412573; MT412807; MT413022	Figueiredo & Namekata (1967), Crous (2002), Lombard <i>et al.</i> (2010a), this study
A75	<i>Ca. leucothoes</i>	CMW 30977 ^T	ATCC 64824; CBS 109166; CPC 2385; P88-490	B61	<i>Ca. leucothoes</i>	CMW 30977 ^T	<i>Leucothoe axillaris</i>	Florida, USA	N.E. El-Gholl	MT335045; MT335277; MT335517; MT359738; MT359498; MT412574; MT412808; N/A	El-Gholl <i>et al.</i> (1989), Crous (2002), Lombard <i>et al.</i> (2015a), this study
A76	<i>Ca. lichi</i>	CERC 8866 ^T	–	B62	<i>Ca. lichi</i>	CERC 8866 ^T	Soil	HeNan, China	S.F. Chen	MT335046; MT335278; MT335518; MT359739; MT359499; MT412575; MT412809; MT413023	Liu & Chen (2017), this study
		CERC 8850	–	B62	<i>Ca. lichi</i>	CERC 8850	Soil	HeNan, China	S.F. Chen	MT335047; MT335279; MT335519; MT359740; MT359500; MT412576; MT412810; MT413024	Liu & Chen (2017), this study
A77	<i>Ca. longiramosa*</i>	CBS 116319 ^T	CMW 51832; CPC 3761	B6	<i>Ca. amazonica</i> [#]	CBS 116319	<i>Eucalyptus</i> sp.	Amazon, Brazil	P.W. Crous & A.C. Alfenas	MT334960; MT335187; MT335426; MT359647; MT359407; MT412490; MT412717; MT412940	Marin-Felix <i>et al.</i> (2017), this study
		CBS 116305	CMW 51831; CPC 3765	B6	<i>Ca. amazonica</i> [#]	–	<i>Eucalyptus</i> sp.	Amazon, Brazil	P.W. Crous & A.C. Alfenas	MT334961; MT335188; MT335427; MT359648; MT359408; MT412491; MT412718; MT412941	Marin-Felix <i>et al.</i> (2017), this study
A78	<i>Ca. machaerinae*</i>	CBS 123183 ^T	CMW 51311; CPC 15378	B85	<i>Ca. pauciramosa</i> [#]	CBS 123183	<i>Machaerina sinclairii</i>	Auckland University Campus, Auckland, New Zealand	C.F. Hill	MT335090; MT335322; MT335562; MT359783; MT359543; MT412615; MT412853; MT413065	Lombard <i>et al.</i> (2016), this study
A79	<i>Ca. macroconidialis</i>	CBS 114880 ^T	CMW 51219; CPC 307; PPRI 4000	B64	<i>Ca. macroconidialis</i>	CBS 114880 ^T	<i>E. grandis</i>	Sabie, Mpumalanga, South Africa	P.W. Crous	MT335050; MT335282; MT335522; MT359743; MT359503; MT412579; MT412813; MT413027	Crous <i>et al.</i> (1993c), Crous (2002), Lombard <i>et al.</i> (2010a), this study
A80	<i>Ca. madagascariensis</i>	CMW 23686 ^T	CBS 114572; CPC 2252	B65	<i>Ca. madagascariensis</i>	CMW 23686 ^T	Soil	Rona, Madagascar	J.E. Taylor	MT335052; MT335284; MT335524; MT359745; MT359505; MT412581; MT412815; MT413029	Crous (2002), Crous <i>et al.</i> (2006), Lombard <i>et al.</i> (2010a), this study

		CMW 30993	CBS 114571; CPC 2253	B65	Ca. madagascariensis	CMW 30993	Soil	Rona, Madagascar	J.E. Taylor	MT335053; MT335285; MT335525; MT359746; MT359506; MT412582; MT412816; MT413030	Crous (2002), Crous <i>et al.</i> (2006), Lombard <i>et al.</i> (2010a), this study
A81	<i>Ca. magnispora</i> *	CMW 35184 ^T	CBS 136249; CERC 1860	B4	<i>Ca. aconidialis</i> [#]	CMW 35184	Soil (<i>Eucalyptus</i> plantation)	GuangXi, China	X. Mou & R. Chang	MT334947; MT335174; MT335413; MT359634; MT359394; N/A; MT412704; N/A	Lombard <i>et al.</i> (2015a), this study
A82	<i>Ca. malesiana</i>	CMW 23687 ^T	CBS 112752; CPC 4223	B66	Ca. malesiana	CMW 23687 ^T	Soil	Northern Sumatra, Indonesia	M.J. Wingfield	MT335054; MT335286; MT335526; MT359747; MT359507; MT412583; MT412817; MT413031	Crous <i>et al.</i> (2004), this study
		CBS 112710	CMW 51199; CPC 3899	B66	Ca. malesiana	CBS 112710	Leaf litter	Prathet, Thailand	N.L. Hywel-Jones	MT335055; MT335287; MT335527; MT359748; MT359508; MT412584; MT412818; MT413032	Crous <i>et al.</i> (2004), this study
A84	<i>Ca. metrosideri</i>	CBS 133604	CMW 51320; LPF103	B68	Ca. metrosideri	CBS 133604	<i>Metrosideros</i> <i>polymorpha</i>	Viçosa, Minas Gerais state, Brazil	R.F. Alfenas	MT335056; MT335288; MT335528; MT359749; MT359509; MT412585; MT412819; MT413033	Alfenas <i>et al.</i> (2013a, 2015), this study
A86	<i>Ca. microconidialis</i> *	CMW 31487 ^T	CBS 136638; CERC 1822	B97	<i>Ca. pseudoreteauidii</i> [#]	CMW 31487	<i>E. urophylla</i> × <i>E. grandis</i>	ZhanJiang, GuangDong, China	G. Zhao	MT335113; MT335348; MT335588; MT359809; MT359569; MT412641; MT412879; MT413090	Lombard <i>et al.</i> (2015a), this study
		CMW 31473	CBS 136634; CERC 1808	B97	<i>Ca. pseudoreteauidii</i> [#]	-	<i>E. urophylla</i> × <i>E. grandis</i>	ZhanJiang, GuangDong, China	G. Zhao	MT335114; MT335349; MT335589; MT359810; MT359570; MT412642; MT412880; MT413091	Lombard <i>et al.</i> (2015a), this study
		CMW 31475	CBS 136636; CERC 1810	B97	<i>Ca. pseudoreteauidii</i> [#]	-	<i>E. urophylla</i> × <i>E. grandis</i>	ZhanJiang, GuangDong, China	G. Zhao	MT335115; MT335350; MT335590; MT359811; MT359571; MT412643; MT412881; MT413092	Lombard <i>et al.</i> (2015a), this study
		CMW 31492	CBS 136640; CERC 1827	B97	<i>Ca. pseudoreteauidii</i> [#]	-	<i>E. urophylla</i> × <i>E. grandis</i>	ZhanJiang, GuangDong, China	G. Zhao	MT335116; MT335351; MT335591; MT359812; MT359572; MT412644; MT412882; MT413093	Lombard <i>et al.</i> (2015a), this study
A87	<i>Ca. montana</i> *	CERC 8952 ^T	-	B20	<i>Ca. canadiana</i> [#]	CERC 8952	Soil	HeNan, China	S.F. Chen	MT335058; MT335290; MT335530; MT359751; MT359511; MT412587; MT412821; MT413035	Liu & Chen (2017), this study
		CERC 8957	-	B20	<i>Ca. canadiana</i> [#]	-	Soil	HeNan, China	S.F. Chen	MT335059; MT335291; MT335531; MT359752; MT359512; MT412588; MT412822; MT413036	Liu & Chen (2017), this study
A89	<i>Ca. mossambicensis</i> *	CBS 137243 ^T	CMW 36327	B85	<i>Ca. pauciramosa</i> [#]	CBS 137243	<i>E. grandis</i> × <i>E. camaldulensis</i>	Bandula, Manica, Mozambique	J. Roux & S. Maússe- Siteo	MT335091; MT335323; MT335563; MT359784; MT359544; MT412616; MT412854; MT413066	Crous <i>et al.</i> (2013), Lombard <i>et al.</i> (2016), this study
		CMW 36329	-	B85	<i>Ca. pauciramosa</i> [#]	-	<i>E. grandis</i> × <i>E. urophylla</i>	Bandula, Manica, Mozambique	J. Roux & S. Maússe- Siteo	MT335092; MT335324; MT335564; MT359785; MT359545; MT412617; MT412855; MT413067	Crous <i>et al.</i> (2013), this study

A90	<i>Ca. multilateralis</i>	CBS 110932 ^T	CMW 51171; CPC 957	B71	<i>Ca. multilateralis</i>	CBS 110932 ^T	Soil	Uxmal, Mexico	P.W. Crous	MT335060; MT335292; MT335532; MT359753; MT359513; MT412589; MT412823; MT413037	Lombard <i>et al.</i> (2016), this study
		CBS 110926	CMW 51168; CPC 947	B71	<i>Ca. multilateralis</i>	CBS 110926	Soil	Uxmal, Mexico	P.W. Crous	MT335061; MT335293; MT335533; MT359754; MT359514; MT412590; MT412824; MT413038	Lombard <i>et al.</i> (2016), this study
		CBS 110927	CMW 51169; CPC 948	B71	<i>Ca. multilateralis</i>	CBS 110927	Soil	Uxmal, Mexico	P.W. Crous	MT335062; MT335294; MT335534; MT359755; MT359515; MT412591; MT412825; MT413039	Lombard <i>et al.</i> (2016), this study
		CBS 110931	CPC 956	B71	<i>Ca. multilateralis</i>	–	Soil	Uxmal, Mexico	P.W. Crous	MT335063; MT335295; MT335535; MT359756; MT359516; MT412592; MT412826; MT413040	Lombard <i>et al.</i> (2016), this study
		CBS 115606	CMW 51828	B71	<i>Ca. multilateralis</i>	–	N/A	N/A	N/A	MT335064; MT335296; MT335536; MT359757; MT359517; MT412593; MT412827; MT413041	Lombard <i>et al.</i> (2016), this study
		CBS 115615	CMW 51224; CPC 915	B71	<i>Ca. multilateralis</i>	–	Soil	Uxmal, Mexico	P.W. Crous	MT335065; MT335297; MT335537; MT359758; MT359518; MT412594; MT412828; MT413042	Lombard <i>et al.</i> (2016), this study
A92	<i>Ca. multiphialidica</i>	CMW 23688 ^T	Cam 13; CBS 112678	B73	<i>Ca. multiphialidica</i>	CMW 23688 ^T	Soil (roots of <i>Musa</i> sp.)	Cameroon	Abadie	MT335066; MT335298; MT335538; MT359759; MT359519; MT412595; MT412829; MT413043	Crous <i>et al.</i> (2004), Lombard <i>et al.</i> (2010a), this study
A93	<i>Ca. multiseptata</i>	CMW 23692 ^T	CBS 112682; CPC 1589	B74	<i>Ca. multiseptata</i>	CMW 23692 ^T	<i>E. grandis</i>	North Sumatra, Indonesia	M.J. Wingfield	MT335067; MT335299; MT335539; MT359760; MT359520; MT412596; MT412830; MT413044	Crous <i>et al.</i> (1998, 2006), Crous (2002), this study
A94	<i>Ca. multistipitata</i> *	CMW 47192 ^T	CBS 143573	B23	<i>Ca. chinensis</i> [#]	CMW 47192	Soil (<i>Acacia</i> hybrid plantation)	Tuyen Quang, Vietnam	N.Q. Pham & T.Q. Pham	MT335068; MT335300; MT335540; MT359761; MT359521; MT412597; MT412831; MT413045	Pham <i>et al.</i> (2019), this study
		CMW 47211	CBS 143574	B23	<i>Ca. chinensis</i> [#]	–	Soil (<i>Acacia</i> hybrid plantation)	Tuyen Quang, Vietnam	N.Q. Pham & T.Q. Pham	MT335069; MT335301; MT335541; MT359762; MT359522; MT412598; MT412832; MT413046	Pham <i>et al.</i> (2019), this study
A96	<i>Ca. nemoralis</i> *	CBS 116249 ^T	CMW 51829; CPC 3533	B79	<i>Ca. ovata</i> [#]	CBS 116249	Soil (<i>Eucalyptus</i> plantation)	Brazil	P.W. Crous	MT335074; MT335306; MT335546; MT359767; MT359527; MT412603; MT412837; MT413051	Marin-Felix <i>et al.</i> (2017), this study
A98	<i>Ca. nymphaeae</i> *	CBS 131802 ^T	CMW 51317; HGUP 100003	B39	<i>Ca. fujianensis</i> [#]	CBS 131802	<i>Nymphaea</i> <i>tetragona</i>	Guiyang, Guizhou, China	S.Y. Qin	MT335070; MT335302; MT335542; MT359763; MT359523; MT412599; MT412833; MT413047	Xu <i>et al.</i> (2012), this study
A99	<i>Ca. octoramosa</i>	CBS 111423 ^T	CMW 51819; CPC 1650	B77	<i>Ca. octoramosa</i>	CBS 111423 ^T	Soil	Ecuador	M.J. Wingfield	MT335071; MT335303; MT335543; MT359764; MT359524; MT412600; MT412834; MT413048	Marin-Felix <i>et al.</i> (2017), this study

A100	<i>Ca. orientalis</i>	CMW 20291 ^T	CBS 125260	B78	<i>Ca. orientalis</i>	CMW 20291 ^T	Soil	Langam, Indonesia	M.J. Wingfield	MT335072; MT335304; MT335544; MT359765; MT359525; MT412601; MT412835; MT413049	Lombard <i>et al.</i> (2010a), this study
		CMW 20273	CBS 125259	B78	<i>Ca. orientalis</i>	CMW 20273	Soil	Teso East, Indonesia	M.J. Wingfield	MT335073; MT335305; MT335545; MT359766; MT359526; MT412602; MT412836; MT413050	Lombard <i>et al.</i> (2010a), this study
A101	<i>Ca. ovata</i>	CMW 16724 ^T	CBS 111299; ATCC 76225; UFV 89	B79	<i>Ca. ovata</i>	CMW 16724 ^T	<i>E. urophylla</i>	Monte Dourado, Pará, Brazil	N.E. El-Gholl	MT335075; MT335307; MT335547; MT359768; MT359528; N/A; MT412838; MT413052	El-Gholl <i>et al.</i> (1993a), Crous (2002), Marin-Felix <i>et al.</i> (2017), this study
		CMW 30979	CBS 111307; UFV 90	B79	<i>Ca. ovata</i>	CMW 30979	<i>E. tereticornis</i>	Tucuruí, Pará, Brazil	P.W. Crous	MT335076; MT335308; MT335548; MT359769; MT359529; N/A; MT412839; MT413053	Crous (2002), Lombard <i>et al.</i> (2010a), this study
A102	<i>Ca. pacifica</i>	CMW 16726 ^T	A1568; CBS 109063; IMI 354528; STE-U 2534	B80	<i>Ca. pacifica</i>	CMW 16726 ^T	<i>Araucaria heterophylla</i>	Hawaii, USA	M. Aragaki	MT335079; MT335311; MT335551; MT359772; MT359532; MT412604; MT412842; N/A	Kang <i>et al.</i> (2001b), Crous (2002), Crous <i>et al.</i> (2004), this study
		CMW 30988	CBS 114038	B80	<i>Ca. pacifica</i>	CMW 30988	<i>Ipomoea aquatica</i>	Auckland, New Zealand	C.F. Hill	MT335080; MT335312; MT335552; MT359773; MT359533; MT412605; MT412843; N/A	Crous (2002), Crous <i>et al.</i> (2004), Lombard <i>et al.</i> (2010a), this study
A103	<i>Ca. papillata</i> *	CMW 37976 ^T	CBS 136097; CERC 1939; CPC 23517	B22	<i>Ca. cerciana</i> [#]	CMW 37976	Soil (<i>Eucalyptus</i> plantation)	GuangDong, China	X. Mou & R. Chang	MT334983; MT335213; MT335453; MT359674; MT359434; MT412517; MT412744; MT412965	Lombard <i>et al.</i> (2015a), this study
		CMW 37972	CBS 136096; CERC 1935; CPC 23497	B22	<i>Ca. cerciana</i> [#]	–	Soil (<i>Eucalyptus</i> plantation)	GuangDong, China	X. Mou & R. Chang	MT334984; MT335214; MT335454; MT359675; MT359435; MT412518; MT412745; MT412966	Lombard <i>et al.</i> (2015a), this study
		CMW 37971	CBS 136251; CERC 1934; CPC 23514	B22	<i>Ca. cerciana</i> [#]	–	Soil (<i>Eucalyptus</i> plantation)	GuangXi, China	X. Mou & R. Chang	MT334985; MT335215; MT335455; MT359676; MT359436; MT412519; MT412746; MT412967	Lombard <i>et al.</i> (2015a), this study
A106	<i>Ca. parakyotensis</i> *	CMW 35169 ^T	CBS 136085; CERC 1845	B4	<i>Ca. aconidialis</i> [#]	CMW 35169	Soil (<i>Eucalyptus</i> plantation)	GuangDong, China	X. Mou & R. Chang	MT334948; MT335175; MT335414; MT359635; MT359395; MT412483; MT412705; N/A	Lombard <i>et al.</i> (2015a), this study
		CMW 35413	CBS 136095; CERC 1904	B4	<i>Ca. aconidialis</i> [#]	–	Soil (<i>Eucalyptus</i> plantation)	GuangXi, China	X. Mou & R. Chang	MT334949; MT335176; MT335415; MT359636; MT359396; MT412484; MT412706; N/A	Lombard <i>et al.</i> (2015a), this study
A107	<i>Ca. parva</i> *	CBS 110798 ^T	CMW 51817; CPC 410	B64	<i>Ca. macroconidialis</i> [#]	CBS 110798	<i>E. grandis</i> (roots)	Sabie, Mpumalanga, South Africa	P.W. Crous	MT335051; MT335283; MT335523; MT359744; MT359504; MT412580; MT412814; MT413028	Lombard <i>et al.</i> (2016), this study

A108	<i>Ca. parvispora</i>	CBS 111465 ^T	CPC 1902	B83	<i>Ca. parvispora</i>	CBS 111465 ^T	Soil	Brazil	A.C. Alfenas	MT335082; MT335314; MT335554; MT359775; MT359535; MT412607; MT412845; MT413057	Marin-Felix <i>et al.</i> (2017), this study
A109	<i>Ca. pauciramosa</i>	CBS 138824 ^T	CMW 5683; CPC 971	B85	<i>Ca. pauciramosa</i>	CBS 138824 ^T	Soil	Knysna, South Africa	P.W. Crous	MT335093; MT335325; MT335565; MT359786; MT359548; MT412618; MT412856; MT413068	Schoch <i>et al.</i> (1999), Crous (2002), Lombard <i>et al.</i> (2010a), this study
		CMW 2151	–	B85	<i>Ca. pauciramosa</i>	–	<i>E. nitens</i>	South Africa	M.J. Wingfield	MT335094; MT335326; MT335566; MT359787; MT359547; MT412619; MT412857; MT413069	Lombard <i>et al.</i> (2010b), this study
		CMW 7592	–	B85	<i>Ca. pauciramosa</i>	–	<i>E. grandis</i>	Uruguay	M.J. Wingfield	MT335095; MT335327; MT335567; MT359788; MT359548; MT412620; MT412858; MT413070	Lombard <i>et al.</i> (2010b), this study
		CMW 9151	–	B85	<i>Ca. pauciramosa</i>	CMW 9151	<i>A. mearnsii</i>	South Africa	L. Lombard	MT335096; MT335328; MT335568; MT359789; MT359549; MT412621; MT412859; MT413071	Lombard <i>et al.</i> (2010b), this study
		CMW 30823	CPC 416	B85	<i>Ca. pauciramosa</i>	–	<i>E. grandis</i>	South Africa	P.W. Crous	MT335097; MT335329; MT335569; MT359790; MT359550; MT412622; MT412860; MT413072	Crous (2002), Lombard <i>et al.</i> (2010a), this study
		CMW 30875	CPC 415	B85	<i>Ca. pauciramosa</i>	–	<i>Eucalyptus</i> sp.	South Africa	P.W. Crous	MT335098; MT335330; MT335570; MT359791; MT359551; MT412623; MT412861; MT413073	Crous (2002), Lombard <i>et al.</i> (2010a), this study
A110	<i>Ca. penicilloides</i>	CMW 23696 ^T	CBS 174.55; STE-U 2388	B86	<i>Ca. penicilloides</i>	CMW 23696 ^T	<i>Prunus</i> sp.	Hatizyo Island, Japan	M. Ookubu	MT335106; MT335338; MT335578; MT359799; MT359559; MT412631; MT412869; MT413081	Tubaki (1958), Crous (2002), this study
A111	<i>Ca. pentaseptata</i> *	CBS 133349 ^T	CMW 51318	B97	<i>Ca. pseudoreteauidii</i> #	CBS 133349	<i>Eucalyptus</i> hybrid	Hanoi, Bavi, Vietnam	P.Q. Thu	MT335117; MT335352; MT335592; MT359813; MT359573; MT412645; MT412883; MT413094	Crous <i>et al.</i> (2012), this study
		CBS 133351	CMW 51319	B97	<i>Ca. pseudoreteauidii</i> #	–	<i>Macadamia</i> sp.	Hanoi, Bavi, Vietnam	P.Q. Thu	MT335118; MT335353; MT335593; MT359814; MT359574; MT412646; MT412884; MT413095	Crous <i>et al.</i> (2012), this study
A113	<i>Ca. pini</i>	CMW 31209 ^T	CBS 123698	B88	<i>Ca. pini</i>	CMW 31209 ^T	<i>Pinus patula</i>	Buga, Valle del Cauca, Colombia	C.A. Rodas	MT335107; MT335339; MT335579; MT359800; MT359560; MT412632; MT412870; MT413082	Lombard <i>et al.</i> (2010a), this study
A114	<i>Ca. plurilateralis</i>	CBS 111401 ^T	CMW 51178; CPC 1637	B89	<i>Ca. plurilateralis</i>	CBS 111401 ^T	Soil	Ecuador	M.J. Wingfield	N/A; MT335340; MT335580; MT359801; MT359561; MT412633; MT412871; MT413083	Lombard <i>et al.</i> (2016), this study
A115	<i>Ca. pluriramosa</i> *	CMW 31440 ^T	CBS 136976; CERC 1775	B4	<i>Ca. aconidialis</i> #	CMW 31440	Soil (<i>Eucalyptus</i> plantation)	GuangXi, China	X. Zhou, G. Zhao & F. Han	MT334950; MT335177; MT335416; MT359637; MT359397; N/A; MT412707; N/A	Lombard <i>et al.</i> (2015a), this study

A116	<i>Ca. polizzii</i> *	CBS 123402 ^T	CMW 30872	B85	<i>Ca. pauciramosa</i> [#]	CBS 123402	<i>Arbutus unedo</i>	Carrubba, Sicily, Italy	G. Polizzi	MT335099; MT335331; MT335571; MT359792; MT359552; MT412624; MT412862; MT413074	Lombard <i>et al.</i> (2010b), this study
		CMW 7804	CBS 125270; CPC 2681	B85	<i>Ca. pauciramosa</i> [#]	–	<i>Ca. citrinus</i>	Sicily, Italy	G. Polizzi	MT335100; MT335332; MT335572; MT359793; MT359553; MT412625; MT412863; MT413075	Lombard <i>et al.</i> (2010b), this study
		CMW 10151	CBS 125271; CPC 2771	B85	<i>Ca. pauciramosa</i> [#]	–	<i>Ca. citrinus</i>	Sicily, Italy	G. Polizzi	MT335101; MT335333; MT335573; MT359794; MT359554; MT412626; MT412864; MT413076	Lombard <i>et al.</i> (2010b), this study
A120	<i>Ca. pseudocolhounii</i> *	CMW 27209 ^T	CBS 127195	B36	<i>Ca. eucalypti</i> [#]	CMW 27209	<i>E. dunnii</i>	FuJian, China	M.J. Wingfield	MT335108; MT335341; MT335581; MT359802; MT359562; MT412634; MT412872; MT413084	Chen <i>et al.</i> (2011), this study
		CMW 27213	CBS 127196	B36	<i>Ca. eucalypti</i> [#]	–	<i>E. dunnii</i>	FuJian, China	M.J. Wingfield	MT335109; MT335342; MT335582; MT359803; MT359563; MT412635; MT412873; MT413085	Chen <i>et al.</i> (2011), this study
A123	<i>Ca. pseudokoyotensis</i> *	CMW 31439 ^T	CBS 137332; CERC 1774	B4	<i>Ca. aconidialis</i> [#]	CMW 31439	Soil (<i>Eucalyptus</i> plantation)	GuangXi, China	X. Zhou, G. Zhao & F. Han	MT334951; MT335178; MT335417; MT359638; MT359398; N/A; MT412708; N/A	Lombard <i>et al.</i> (2015a), this study
A125	<i>Ca. pseudomexicana</i>	CBS 130354 ^T	CMW 51313; DISTEF-TCROU1	B94	<i>Ca. pseudomexicana</i>	CBS 130354 ^T	<i>Callistemon</i> sp.	Tunis, Carthage, Tunisia	G. Polizzi	MT335110; MT335343; MT335583; MT359804; MT359564; MT412636; MT412874; MT413086	Lombard <i>et al.</i> (2011), this study
		CBS 130355	CMW 51314; DISTEF-TCROU3	B94	<i>Ca. pseudomexicana</i>	CBS 130355	<i>Callistemon</i> sp.	Tunis, Carthage, Tunisia	G. Polizzi	MT335111; MT335344; MT335584; MT359805; MT359565; MT412637; MT412875; MT413087	Lombard <i>et al.</i> (2011), this study
A126	<i>Ca. pseudonaviculata</i>	CBS 116251 ^T	CMW 51235; CPC 3399; Lynfield 824	B95	<i>Ca. pseudonaviculata</i>	CBS 116251 ^T	<i>Buxus sempervirens</i>	Kumeu, West Auckland, New Zealand	N/A	N/A; MT335345; MT335585; MT359806; MT359566; MT412638; MT412876; MT413088	Crous <i>et al.</i> (2002), Lombard <i>et al.</i> (2016), this study
		CMW 23672	CBS 114417; CPC 10926	B95	<i>Ca. pseudonaviculata</i>	CMW 23672	<i>B. sempervirens</i>	New Zealand	C. Crepel	N/A; MT335346; MT335586; MT359807; MT359567; MT412639; MT412877; MT413089	Lombard <i>et al.</i> (2010a, 2016), this study
A127	<i>Ca. pseudopteridis</i>	CBS 163.28 ^T	CMW 51159; IMI 299579	B96	<i>Ca. pseudopteridis</i>	CBS 163.28 ^T	<i>Washingtonia robusta</i>	USA	C.D. Sherbakoff	MT335112; MT335347; MT335587; MT359808; MT359568; MT412640; MT412878; N/A	Sherbakoff (1928), Alfenas <i>et al.</i> (2015), Lombard <i>et al.</i> (2016), this study
A128	<i>Ca. pseudoreteaudii</i>	CMW 25310 ^T	CBS 123694	B97	<i>Ca. pseudoreteaudii</i>	CMW 25310 ^T	<i>E. urophylla</i> × <i>E. grandis</i>	GuangDong, China	M.J. Wingfield & X.D. Zhou	MT335119; MT335354; MT335594; MT359815; MT359575; MT412647; MT412885; MT413096	Lombard <i>et al.</i> (2010c), this study
		CMW 25292	CBS 123696	B97	<i>Ca. pseudoreteaudii</i>	CMW 25292	<i>E. urophylla</i> × <i>E. grandis</i>	GuangDong, China	M.J. Wingfield & X.D. Zhou	MT335120; MT335355; MT335595; MT359816; MT359576; MT412648; MT412886; MT413097	Lombard <i>et al.</i> (2010c), this study

A129	<i>Ca. pseudoscoparia</i> *	CMW 15218 ^T	CBS 125257	B21	<i>Ca. candelabrum</i> [#]	CMW 15218	<i>E. grandis</i>	Las Golondrinas, Pichincha, Ecuador	M.J. Wingfield	MT334979; MT335209; MT335449; MT359670; MT359430; MT412513; MT412740; MT412961	Lombard <i>et al.</i> (2010a), this study
		CMW 15215	CBS 125255	B21	<i>Ca. candelabrum</i> [#]	–	<i>E. grandis</i>	Las Golondrinas, Pichincha, Ecuador	M.J. Wingfield	MT334980; MT335210; MT335450; MT359671; MT359431; MT412514; MT412741; MT412962	Lombard <i>et al.</i> (2010a), this study
A132	<i>Ca. pseudoturangicola</i> *	CERC 7126 ^T	CBS 142890; CMW 47496	B55	<i>Ca. kyotensis</i> [#]	CERC 7126	Soil	FuZhou, FuJian, China	S.F. Chen	MT335121; MT335356; MT335596; MT359817; MT359577; MT412649; MT412887; MT413098	Li <i>et al.</i> (2017), this study
		CERC 7127	CBS 142891; CMW 47497	B55	<i>Ca. kyotensis</i> [#]	–	Soil	FuZhou, FuJian, China	S.F. Chen	MT335122; MT335357; MT335597; MT359818; MT359578; MT412650; MT412888; MT413099	Li <i>et al.</i> (2017), this study
A133	<i>Ca. pseudouxmalensis</i>	CBS 110924 ^T	CMW 51166; CPC 942	B100	<i>Ca. pseudouxmalensis</i>	CBS 110924 ^T	Soil	Mexico	P.W. Crous	MT335123; MT335358; MT335598; MT359819; MT359579; MT412651; MT412889; MT413100	Lombard <i>et al.</i> (2016), this study
		CBS 110923	CMW 51165; CPC 941	B100	<i>Ca. pseudouxmalensis</i>	CBS 110923	Soil	Mexico	P.W. Crous	MT335124; MT335359; MT335599; MT359820; MT359580; MT412652; MT412890; MT413101	Lombard <i>et al.</i> (2016), this study
		CBS 115677	CMW 51228; CPC 943	B100	<i>Ca. pseudouxmalensis</i>	CBS 115677	Soil	Mexico	P.W. Crous	MT335125; MT335360; MT335600; MT359821; MT359581; MT412653; MT412891; MT413102	Lombard <i>et al.</i> (2016), this study
A135	<i>Ca. pseudoyunnanensis</i> *	CERC 5376 ^T	CBS 142892; CMW 47655	B120	<i>Ca. yunnanensis</i> [#]	CERC 5376	Soil (<i>Eucalyptus</i> plantation)	PuEr, YunNan, China	S.F. Chen & J.Q. Li	MT335126; MT335361; MT335601; MT359822; MT359582; MT412654; MT412892; MT413103	Li <i>et al.</i> (2017), this study
		CERC 5377	CBS 142893; CMW 47656	B120	<i>Ca. yunnanensis</i> [#]	–	Soil (<i>Eucalyptus</i> plantation)	PuEr, YunNan, China	S.F. Chen & J.Q. Li	MT335127; MT335362; MT335602; MT359823; MT359583; MT412655; MT412893; MT413104	Li <i>et al.</i> (2017), this study
		CERC 5378	CBS 142894; CMW 47657	B120	<i>Ca. yunnanensis</i> [#]	–	Soil (<i>Eucalyptus</i> plantation)	PuEr, YunNan, China	S.F. Chen & J.Q. Li	MT335128; MT335363; MT335603; MT359824; MT359584; MT412656; MT412894; N/A	Li <i>et al.</i> (2017), this study
A137	<i>Ca. putriramosa</i>	CBS 111449 ^T	CMW 51181; CPC 1951	B103	<i>Ca. putriramosa</i>	CBS 111449 ^T	<i>Eucalyptus</i> cutting	Brazil	A.C. Alfenas	MT335129; MT335364; MT335604; MT359825; MT359585; MT412657; MT412895; MT413105	Lombard <i>et al.</i> (2016), this study
		CBS 111470	CMW 51182; CPC 1940	B103	<i>Ca. putriramosa</i>	CBS 111470	Soil	Brazil	A.C. Alfenas	MT335130; MT335365; MT335605; MT359826; MT359586; MT412658; MT412896; MT413106	Lombard <i>et al.</i> (2016), this study
		CBS 111477	CMW 51183; CPC 1928	B103	<i>Ca. putriramosa</i>	CBS 111477	Soil	Brazil	A.C. Alfenas	MT335131; MT335366; MT335606; MT359827; MT359587; MT412659; MT412897; MT413107	Lombard <i>et al.</i> (2016), this study

A138	<i>Ca. queenslandica</i>	CMW 30604 ^T	CBS 112146; CPC 3213	B104	<i>Ca. queenslandica</i>	CMW 30604 ^T	<i>E. urophylla</i>	Lannercost, Queensland, Australia	B. Brown	MT335132; MT335367; MT335607; MT359828; MT359588; MT412660; MT412898; MT413108	Kang <i>et al.</i> (2001a), Lombard <i>et al.</i> (2010c), this study
		CMW 30603	CBS 112155; CPC 3210	B104	<i>Ca. queenslandica</i>	CMW 30603	<i>E. pellita</i>	Lannercost, Queensland, Australia	P.Q Thu & K.M. Old	MT335133; MT335368; MT335608; MT359829; MT359589; MT412661; MT412899; MT413109	Kang <i>et al.</i> (2001a), Lombard <i>et al.</i> (2010c), this study
A140	<i>Ca. reteaudii</i>	CMW 30984 ^T	CBS 112144; CPC 3201	B106	<i>Ca. reteaudii</i>	CMW 30984 ^T	<i>E. camaldulensis</i>	Chon Thanh, Binh Phuoc, Vietnam	M.J. Dudzinski & P.Q. Thu	MT335135; MT335370; MT335610; MT359831; MT359591; MT412663; MT412901; MT413111	Kang <i>et al.</i> (2001a), Crous (2002), Crous <i>et al.</i> (2006), this study
		CMW 16738	CBS 112143; CPC 3200	B106	<i>Ca. reteaudii</i>	CMW 16738	<i>Eucalyptus</i> sp. (leaves)	Binh Phuoc, Vietnam	M.J. Dudzinski & P.Q. Thu	MT335136; MT335371; MT335611; MT359832; MT359592; MT412664; MT412902; MT413112	Kang <i>et al.</i> (2001a), Crous (2002), Crous <i>et al.</i> (2006), this study
A142	<i>Ca. rumohrae</i>	CMW 23697 ^T	CBS 111431; CPC 1716; UFV 218	B108	<i>Ca. rumohrae</i>	CMW 23697 ^T	<i>Rumohra adiantiformis</i>	Volcan, Panama	J.W. Miller & R.M. Leahy	MT335137; MT335372; MT335612; MT359833; MT359593; N/A; MT412903; MT413113	El-Gholl <i>et al.</i> (1997), Crous (2002), Crous <i>et al.</i> (2006), this study
		CMW 30989	CBS 109062; CPC 1603	B108	<i>Ca. rumohrae</i>	CMW 30989	<i>Adiantum</i> sp.	The Netherlands	R. Pieters	MT335138; MT335373; MT335613; MT359834; MT359594; MT412665; MT412904; MT413114	El-Gholl <i>et al.</i> (1997), Crous (2002), Crous <i>et al.</i> (2006), this study
A143	<i>Ca. seminaria</i> *	CMW 31450 ^T	CBS 136632; CERC 1785	B85	<i>Ca. pauciramosa</i> [#]	CMW 31450	<i>E. urophylla</i> × <i>E. grandis</i>	ZhanJiang, GuangDong, China	G. Zhao	MT335102; MT335334; MT335574; MT359795; MT359555; MT412627; MT412865; MT413077	Lombard <i>et al.</i> (2015a), this study
		CMW 31489	CBS 136639; CERC 1824	B85	<i>Ca. pauciramosa</i> [#]	–	<i>E. urophylla</i> × <i>E. grandis</i>	ZhanJiang, GuangDong, China	G. Zhao	MT335103; MT335335; MT335575; MT359796; MT359556; MT412628; MT412866; MT413078	Lombard <i>et al.</i> (2015a), this study
A145	<i>Ca. spathiphylli</i>	CMW 16742 ^T	ATCC 44730; CBS 114540; STE-U 2185	B110	<i>Ca. spathiphylli</i>	CMW 16742 ^T	<i>Spathiphyllum</i> sp.	Florida, USA	C.L. Schoulties	N/A; MT335374; MT335614; MT359835; MT359595; MT412666; MT412905; MT413115	El-Gholl <i>et al.</i> (1992), Crous (2002), Lombard <i>et al.</i> (2010a, 2016), this study
		CMW 30997	CBS 116168; CPC 789	B110	<i>Ca. spathiphylli</i>	CMW 30997	<i>Spathiphyllum</i> sp.	Switzerland	L. Petrini	N/A; MT335375; MT335615; MT359836; MT359596; MT412667; MT412906; MT413116	El-Gholl <i>et al.</i> (1992), Crous (2002), Lombard <i>et al.</i> (2016), this study
A146	<i>Ca. spathulata</i>	CMW 16744 ^T	CBS 555.92	B111	<i>Ca. spathulata</i>	CMW 16744 ^T	<i>E. viminalis</i>	Brazil	N.E. El-Gholl	MT335139; MT335376; MT335616; MT359837; MT359597; MT412668; MT412907; MT413117	Crous & Kang (2001), Crous (2002), Lombard <i>et al.</i> (2016), this study
A147	<i>Ca. sphaeropedunculata</i> *	CMW 31390 ^T	CBS 136081; CERC 1725	B4	<i>Ca. aconidialis</i> [#]	CMW 31390	Soil (<i>Eucalyptus</i> plantation)	GuangXi, China	X. Zhou, G. Zhao & F. Han	MT334952; MT335179; MT335418; MT359639; MT359399; MT412485; MT412709; N/A	Lombard <i>et al.</i> (2015a), this study
A148	<i>Ca. stipitata</i> *	CBS 112513 ^T	CMW 51197; CPC 3851	B111	<i>Ca. spathulata</i> [#]	CBS 112513	<i>Eucalyptus</i> sp.	Colombia	M.J. Wingfield	MT335140; MT335377; MT335617; MT359838; MT359598; MT412669; MT412908; MT413118	Lombard <i>et al.</i> (2016), this study

A149	<i>Ca. sulawesiensis</i> *	CMW 14878 ^T	CBS 125277	B44	<i>Ca. hawksworthii</i> [#]	CMW 14878	<i>Eucalyptus</i> sp.	Sulawesi, Indonesia	M.J. Wingfield	MT335141; MT335378; MT335618; MT359839; MT359599; MT412670; MT412909; MT413119	Lombard <i>et al.</i> (2010a), this study
		CMW 14879	CBS 125253	B44	<i>Ca. hawksworthii</i> [#]	–	<i>Eucalyptus</i> sp.	Sulawesi, Indonesia	M.J. Wingfield	MT335142; MT335379; MT335619; MT359840; MT359600; MT412671; MT412910; MT413120	Lombard <i>et al.</i> (2010a), this study
A150	<i>Ca. sumatrensis</i>	CMW 23698 ^T	CBS 112829; CPC 4518	B112	<i>Ca. sumatrensis</i>	CMW 23698 ^T	Soil	Northern Sumatra, Indonesia	M.J. Wingfield	MT335145; MT335382; MT335622; MT359843; MT359603; MT412674; MT412913; N/A	Crous <i>et al.</i> (2004), this study
		CMW 30987	CBS 112934; CPC 4516	B112	<i>Ca. sumatrensis</i>	CMW 30987	Soil	Northern Sumatra, Indonesia	M.J. Wingfield	MT335146; MT335383; MT335623; MT359844; MT359604; MT412675; MT412914; N/A	Crous <i>et al.</i> (2004), this study
A153	<i>Ca. tereticornis</i> *	CBS 111301 ^T	CMW 51176; CPC 1429	B79	<i>Ca. ovata</i> [#]	CBS 111301	<i>E. tereticornis</i>	Tucuruí, Pará, Brazil	P.W. Crous	MT335077; MT335309; MT335549; MT359770; MT359530; N/A; MT412840; MT413054	Lombard <i>et al.</i> (2016), this study
A154	<i>Ca. terrae-reginae</i> *	CMW 30601 ^T	CBS 112151; CPC 3202; DFR100150	B104	<i>Ca. queenslandica</i> [#]	CMW 30601	<i>E. urophylla</i>	Cardwell, Queensland, Australia	C. Hanwood	MT335134; MT335369; MT335609; MT359830; MT359590; MT412662; MT412900; MT413110	Crous (2002), Crous <i>et al.</i> (2006), Lombard <i>et al.</i> (2010c), this study
		CMW 30602	CBS 112634; CPC 4233; Lynfield 417	B63	<i>Ca. lombardiana sp. nov.</i>	CMW 30602 ^T	<i>Xanthorrhoea australis</i>	Victoria, Australia	T. Baigent	MT335156; MT335395; MT335635; MT359856; MT359616; MT412686; MT412926; MT413133	Crous (2002), Crous <i>et al.</i> (2006), Lombard <i>et al.</i> (2010c), this study
A155	<i>Ca. terrestris</i> *	CMW 35180 ^T	CBS 136642; CERC 1856	B22	<i>Ca. cerciana</i> [#]	CMW 35180	Soil (<i>Eucalyptus</i> plantation)	GuangDong, China	X. Mou & R. Chang	MT334986; MT335216; MT335456; MT359677; MT359437; MT412520; MT412747; MT412968	Lombard <i>et al.</i> (2015a), this study
		CMW 35178	CBS 136645; CERC 1854	B22	<i>Ca. cerciana</i> [#]	–	Soil (<i>Eucalyptus</i> plantation)	GuangDong, China	X. Mou & R. Chang	MT334987; MT335217; MT335457; MT359678; MT359438; MT412521; MT412748; MT412969	Lombard <i>et al.</i> (2015a), this study
		CMW 35364	CBS 136643; CERC 1868	B22	<i>Ca. cerciana</i> [#]	–	Soil (<i>Eucalyptus</i> plantation)	GuangDong, China	X. Mou & R. Chang	MT334988; MT335218; MT335458; MT359679; MT359439; MT412522; MT412749; MT412970	Lombard <i>et al.</i> (2015a), this study
		CMW 37974	CBS 136651; CERC 1937	B22	<i>Ca. cerciana</i> [#]	–	Soil	GuangDong, China	X. Mou & R. Chang	MT334989; MT335219; MT335459; MT359680; MT359440; MT412523; MT412750; MT412971	Lombard <i>et al.</i> (2015a), this study
A157	<i>Ca. tetraramosa</i> *	CMW 31474 ^T	CBS 136635; CERC 1809	B85	<i>Ca. pauciramosa</i> [#]	CMW 31474	<i>E. urophylla</i> × <i>E. grandis</i>	ZhanJiang, GuangDong, China	G. Zhao	MT335104; MT335336; MT335576; MT359797; MT359557; MT412629; MT412867; MT413079	Lombard <i>et al.</i> (2015a), this study

		CMW 31476	CBS 136637; CERC 1811	B85	<i>Ca. pauciramosa</i> [#]	–	<i>E. urophylla</i> × <i>E. grandis</i>	ZhanJiang, GuangDong, China	G. Zhao	MT335105; MT335337; MT335577; MT359798; MT359558; MT412630; MT412868; MT413080	Lombard <i>et al.</i> (2015a), this study
A158	<i>Ca. tonkinensis</i>	CMW 47430 ^T	CBS 143576	B115	<i>Ca. tonkinensis</i>	CMW 47430 ^T	Soil (<i>Eucalyptus</i> plantation)	Bavi, Hanoi, Vietnam	N.Q. Pham & T.Q. Pham	MT335147; MT335384; MT335624; MT359845; MT359605; MT412676; MT412915; MT413122	Pham <i>et al.</i> (2019), this study
A159	<i>Ca. tropicalis</i> [*]	CBS 116271 ^T	CMW 51236; CPC 3559	B6	<i>Ca. amazonica</i> [#]	CBS 116271	<i>Eucalyptus</i> sp.	Amazon, Brazil	P.W. Crous & A.C. Alfenas	MT335148; MT335385; MT335625; MT359846; MT359606; MT412677; MT412916; MT413123	Lombard <i>et al.</i> (2016), this study
		CBS 116242	CMW 51231; CPC 3543	B6	<i>Ca. amazonica</i> [#]	–	<i>Eucalyptus</i> sp.	Amazon, Brazil	P.W. Crous & A.C. Alfenas	MT334962; MT335189; MT335428; MT359649; MT359409; MT412492; MT412719; MT412942	Lombard <i>et al.</i> (2016), this study
A160	<i>Ca. tucuruensis</i> [*]	CBS 114755 ^T	CMW 51827; CPC 1403	B79	<i>Ca. ovata</i> [#]	CBS 114755	<i>E. tereticornis</i>	Tucuruí, Pará, Brazil	P.W. Crous	MT335078; MT335310; MT335550; MT359771; MT359531; N/A; MT412841; MT413055	Marin-Felix <i>et al.</i> (2017), this study
A161	<i>Ca. tunisiana</i> [*]	CBS 130357 ^T	CMW 51316; DISTEF-TCL1	B94	<i>Ca. pseudomexicana</i> [#]	CBS 130357	<i>Ca. laevis</i>	Tunis, Carthage, Tunisia	G. Polizzi	MT335149; MT335386; MT335626; MT359847; MT359607; MT412678; MT412917; MT413124	Lombard <i>et al.</i> (2011), this study
		CBS 130356	CMW 51315; DISTEF- TCROU2	B94	<i>Ca. pseudomexicana</i> [#]	–	<i>Callistemon</i> sp.	Tunis, Carthage, Tunisia	G. Polizzi	MT335150; MT335387; MT335627; MT359848; MT359608; MT412679; MT412918; MT413125	Lombard <i>et al.</i> (2011), this study
A162	<i>Ca. turangicola</i> [*]	CMW 31411 ^T	CBS 136077	B55	<i>Ca. kyotensis</i> [#]	CMW 31411	Soil (<i>Eucalyptus</i> plantation)	GuangXi, China	X. Zhou, G. Zhao & F. Han	MT335151; MT335388; MT335628; MT359849; MT359609; N/A; MT412919; MT413126	Lombard <i>et al.</i> (2015a), this study
		CMW 35410	CBS 136093	B55	<i>Ca. kyotensis</i> [#]	–	Soil (<i>Eucalyptus</i> plantation)	GuangXi, China	X. Mou & R. Chang	MT335152; MT335389; MT335629; MT359850; MT359610; MT412680; MT412920; MT413127	Lombard <i>et al.</i> (2015a), this study
A164	<i>Ca. uxmalensis</i>	CBS 110925 ^T	CMW 51167; CPC 945	B117	<i>Ca. uxmalensis</i>	CBS 110925 ^T	Soil	Uxmal, Mexico	P.W. Crous	MT335153; MT335390; MT335630; MT359851; MT359611; MT412681; MT412921; MT413128	Lombard <i>et al.</i> (2016), this study
		CBS 110919	CMW 51164; CPC 928	B117	<i>Ca. uxmalensis</i>	CBS 110919	Soil	Uxmal, Mexico	P.W. Crous	MT335154; MT335391; MT335631; MT359852; MT359612; MT412682; MT412922; MT413129	Lombard <i>et al.</i> (2016), this study
A165	<i>Ca. variabilis</i>	CMW 3187 ^T	AR2675; CBS 114677; CPC 2436	B118	<i>Ca. variabilis</i>	CMW 3187 ^T	<i>Schefflera</i> <i>morototoni</i>	Pará, Brazil	F.C. de Albuquerque	N/A; MT335392; MT335632; MT359853; MT359613; MT412683; MT412923; MT413130	Crous <i>et al.</i> (1993b), Crous (2002), Lombard <i>et al.</i> (2010a, 2016), this study

		CMW 2914	CBS 112691; CPC 2506	B118	<i>Ca. variabilis</i>	CMW 2914	<i>Theobroma grandiflorum</i>	Pará, Brazil	F. Carneiro	N/A; MT335393; MT335633; MT359854; MT359614; MT412684; MT412924; MT413131	Crous <i>et al.</i> (1993b), Crous (2002), Lombard <i>et al.</i> (2010a, 2016), this study
A166	<i>Ca. vegrandis</i> *	CMW 48245 ^T	CBS 143565	B31	<i>Ca. curvispora</i> [#]	CMW 48245	Soil (<i>Eucalyptus</i> plantation)	Aek Nauli, North Sumatra, Indonesia	M.J. Wingfield	MT335003; MT335233; MT335473; MT359694; MT359454; MT412537; MT412764; N/A	Pham <i>et al.</i> (2019), this study
		CMW 48246	CBS 143566	B31	<i>Ca. curvispora</i> [#]	–	Soil (<i>Eucalyptus</i> plantation)	Aek Nauli, North Sumatra, Indonesia	M.J. Wingfield	MT335004; MT335234; MT335474; MT359695; MT359455; MT412538; MT412765; N/A	Pham <i>et al.</i> (2019), this study
A167	<i>Ca. venezuelana</i>	CBS 111052 ^T	CMW 51173; CPC 1183	B119	<i>Ca. venezuelana</i>	CBS 111052 ^T	Soil	Acarigua, Venezuela	M.J. Wingfield	MT335155; MT335394; MT335634; MT359855; MT359615; MT412685; MT412925; MT413132	Lombard <i>et al.</i> (2016), this study
A168	<i>Ca. yunnanensis</i>	CERC 5339 ^T	CBS 142897; CMW 47644	B120	<i>Ca. yunnanensis</i>	CERC 5339 ^T	Soil (<i>Eucalyptus</i> plantation)	YunNan, China	S.F. Chen, J.Q. Li & G.Q. Li	MT335157; MT335396; MT335636; MT359857; MT359617; MT412687; MT412927; MT413134	Li <i>et al.</i> (2017), this study
		CERC 5337	CBS 142895; CMW 47642	B120	<i>Ca. yunnanensis</i>	CERC 5337	Soil (<i>Eucalyptus</i> plantation)	YunNan, China	S.F. Chen, J.Q. Li & G.Q. Li	MT335158; MT335397; MT335637; MT359858; MT359618; MT412688; MT412928; MT413135	Li <i>et al.</i> (2017), this study
A169	<i>Ca. zuluensis</i> *	CMW 9188 ^T	CBS 125268	B85	<i>Ca. pauciramosa</i> [#]	CMW 9188	<i>E. grandis</i>	Kwambonambi, KwaZulu-Natal, South Africa	L. Lombard	MT335159; MT335398; MT335638; MT359859; MT359619; MT412689; MT412929; MT413136	Lombard <i>et al.</i> (2010b), this study

¹Codes (A1 to A169) of the 169 *Calonectria* species before revision.

²*Calonectria* species names before revision.

³AR: Amy Y. Rossman working collection; ATCC: American Type Culture Collection, Virginia, USA; CBS: Westerdijk Fungal Biodiversity Institute, Utrecht, The Netherlands; CERC: China Eucalypt Research Centre, ZhanJiang, Guangdong Province, China; CMW: Culture collection of the Forestry and Agricultural Biotechnology Institute (FABI), University of Pretoria, Pretoria, South Africa; CPC: Pedro Crous working collection housed at Westerdijk Fungal Biodiversity Institute; HGUP: Plant Pathology Herbarium of Gui Zhou University, GuiYang 550025, China; IMI: International Mycological Institute, CABI Bioscience, Egham, Boreham Lane, UK; LPF: Laboratório de Patologia Florestal, Universidade Federal de Viçosa, Viçosa, Brazil; MUCL: Mycotheque, Laboratoire de Mycologie Systematique et Appliquee, l'Universite, Louvain-la-Neuve, Belgium; PPRI: Plant Protection Research Institute, Pretoria, South Africa; STE-U: Department of Plant Pathology, University of Stellenbosch, South Africa; UFV: Universidade Federal de Viçosa, Viçosa, Brazil.

⁴Re-sequenced isolates were obtained from culture collections of CBS, CMW and CERC, and the isolate numbers were appeared in the phylogenetic trees in this study.

⁵T: ex-type isolates of the *Calonectria* species before revision.

⁶Codes (B1 to B120) of the 120 *Calonectria* species after revision.

⁷The 120 *Calonectria* species after revision, species link to the key isolates including the ex-types are in bold.

⁸Key isolates of the 120 *Calonectria* species after revision

⁹T: ex-type isolates of the *Calonectria* species after revision.

¹⁰*act*: actin; *cmdA*: calmodulin; *his3*: histone H3; ITS: the internal transcribed spacer regions 1 and 2 and the 5.8S gene of the ribosomal RNA; LSU: 28S large subunit RNA gene; *rpb2*: the second

largest subunit of RNA polymerase; *tef1*: translation elongation factor 1-alpha; *tub2*: β -tubulin.

¹¹N/A: information are not available.

*Species were synonymized.

#Species names after synonymizing.

⁸Species name after re-identification.

Table S2. Isolates and sequences from previous studies used in this study.

Code A ¹	Previous species name ²	Isolates number ^{3,4}	Other collection number ³	Code B ⁵	Accepted species name ⁶	Isolates after species revision ^{7,8}	Hosts	Area of occurrence	Collector	GenBank accession Numbers ⁹ <i>act</i> ; <i>cmdA</i> ; <i>his3</i> ; <i>ITS</i> ; <i>LSU</i> ; <i>rpb2</i> ; <i>tef1</i> ; <i>tub2</i>	References
A8	<i>Calonectria angustata</i>	CBS 112133	CMW 30983; CPC 3152; P99-1321	B7	<i>Ca. angustata</i>	CBS 112133	<i>Tillandsia capitata</i>	Sarasota nursery, Florida, USA	R.M. Leahy	GQ280427; GQ267362; DQ190695; GQ280549; GQ280670; KY653360; FJ918552; DQ190593	Crous <i>et al.</i> (2000, 2006), Lombard <i>et al.</i> (2010a), Marin-Felix <i>et al.</i> (2017)
A10	<i>Ca. asiatica</i>	CBS 114073 ^T	CMW 23782; CPC 3900	B8	<i>Ca. asiatica</i>	CBS 114073 ^T	Debris (leaf litter)	Prathet Thai, Thailand	N.L. Hywel-Jones	GQ280428; AY725741; AY725658; GQ280550; GQ280672; N/A ¹⁰ ; AY725705; AY725616	Crous <i>et al.</i> (2004), Lombard <i>et al.</i> (2010a)
A13	<i>Ca. avesiculata</i>	CBS 313.92 ^T	ATCC 38226; CMW 23670; CPC 2373	B11	<i>Ca. avesiculata</i>	CBS 313.92 ^T	<i>Ilex vomitoria</i>	Cairo, Georgia, USA	S.A. Alfieri	GQ280431; GQ267364; DQ190620; GQ280553; GQ280675; N/A; GQ267294; AF333392	Schubert <i>et al.</i> (1989), Crous (2002), Lombard <i>et al.</i> (2010a)
A19	<i>Ca. brassiana</i>	CBS 134855 ^T	LPF378	B15	<i>Ca. brassiana</i>	CBS 134855 ^T	Soil (<i>Eucalyptus brassiana</i> plantation)	Teresina, Piauí, Brazil	R.F. Alfenas	N/A; KM396056; KM396139; N/A; N/A; N/A; KM395882; KM395969	Alfenas <i>et al.</i> (2015)
		CBS 134856	LPF379	B15	<i>Ca. brassiana</i>	CBS 134856	Soil (<i>E. brassiana</i> plantation)	Teresina, Piauí, Brazil	R.F. Alfenas	N/A; KM396057; KM396140; N/A; N/A; N/A; KM395883; KM395970	Alfenas <i>et al.</i> (2015)
A21	<i>Ca. brassicicola</i>	CBS 112841 ^T	CMW 51206; CPC 4552	B17	<i>Ca. brassicicola</i>	CBS 112841 ^T	Soil (<i>Brassica</i> sp.)	Indonesia	M.J. Wingfield	N/A; KX784561; N/A; N/A; N/A; N/A; KX784689; KX784619	Lombard <i>et al.</i> (2016)
A32	<i>Ca. colhounii</i>	CBS 293.79 ^T	CMW 30999	B27	<i>Ca. colhounii</i>	CBS 293.79 ^T	<i>Camellia sinensis</i>	Mauritius	A. Peerally	GQ280443; GQ267373; DQ190639; GQ280565; GQ280687; KY653376; GQ267301; DQ190564	Peerally (1973), Crous (2002), Crous <i>et al.</i> (2006), Lombard <i>et al.</i> (2010a)
A33	<i>Ca. colombiana</i>	CBS 115127 ^T	CMW 30871; CPC 1160	B28	<i>Ca. colombiana</i>	CBS 115127 ^T	Soil	La Selva, Colombia	M.J. Wingfield	GQ280538; GQ267455; FJ972442; GQ280660; GQ280782; N/A; FJ972492; FJ972423	Schoch <i>et al.</i> (1999), Crous (2002), Lombard <i>et al.</i> (2010a, b)
		CBS 115638	CMW 30766; CPC 1161	B28	<i>Ca. colombiana</i>	CBS 115638	Soil	La Selva, Colombia	M.J. Wingfield	GQ280539; GQ267456; FJ972441; GQ280661; GQ280783; N/A; FJ972491; FJ972422	Schoch <i>et al.</i> (1999), Crous (2002), Lombard <i>et al.</i> (2010a, b)
A39	<i>Ca. duoramosa</i>	CBS 134656 ^T	LPF434	B34	<i>Ca. duoramosa</i>	CBS 134656 ^T	Soil (tropical rainforest)	Monte Dourado, Pará, Brazil	R.F. Alfenas	N/A; KM396027; KM396110; N/A; N/A; N/A; KM395853; KM395940	Alfenas <i>et al.</i> (2015)

		LPF453	-	B34	<i>Ca. duoramosa</i>	LPF453	Soil (<i>Eucalyptus</i> plantation)	Monte Dourado, Pará, Brazil	R.F. Alfenas	N/A; KM396028; KM396111; N/A; N/A; N/A; KM395854; KM395941	Alfenas <i>et al.</i> (2015)
A44	<i>Ca. eucalypticola</i>	CBS 134847 ^T	LPF124	B37	<i>Ca. eucalypticola</i>	CBS 134847 ^T	<i>Eucalyptus</i> sp. (seeding)	Santa Barbara, Minas Gerais state, Brazil	A.C. Alfenas	N/A; KM396051; KM396134; N/A; N/A; N/A; KM395877; KM395964	Alfenas <i>et al.</i> (2015)
		CBS 134846	LPF121	B37	<i>Ca. eucalypticola</i>	CBS 134846	<i>Eucalyptus</i> sp. (leaf)	Eunapolis, Bahia, Brazil	A.C. Alfenas	N/A; KM396050; KM396133; N/A; N/A; N/A; KM395876; KM395963	Alfenas <i>et al.</i> (2015)
A48	<i>Ca. fragariae</i>	CBS 133607 ^T	LPP040	B38	<i>Ca. fragariae</i>	CBS 133607 ^T	<i>Fragaria</i> x <i>ananassa</i>	Santa Maria do Jetibá, Espírito Santo, Brazil	U.P. Lopes	N/A; KM998966; KM998964; N/A; N/A; N/A; KM998963; KM998965	Lopes <i>et al.</i> (2017)
		LPF141.1	-	B38	<i>Ca. fragariae</i>	LPF141.1	<i>Fragaria</i> x <i>ananassa</i>	Santa Maria do Jetibá, Espírito Santo, Brazil	U.P. Lopes	N/A; KX500191; KX500194; N/A; N/A; N/A; KX500197; KX500195	Lopes <i>et al.</i> (2017)
		LPF141.2	-	B38	<i>Ca. fragariae</i>	LPF141.2	<i>Fragaria</i> x <i>ananassa</i>	Santa Maria do Jetibá, Espírito Santo, Brazil	U.P. Lopes	N/A; KX500192; KX500193; N/A; N/A; N/A; KX500198; KX500196	Lopes <i>et al.</i> (2017)
A50	<i>Ca. glaebricola</i>	CBS 134852 ^T	LPF406	B40	<i>Ca. glaebricola</i>	CBS 134852 ^T	Soil (<i>Eucalyptus</i> plantation)	Martinho Campos, Minas Gerais, Brazil	A.C. Alfenas	N/A; KM396053; KM396136; N/A; N/A; N/A; KM395879; KM395966	Alfenas <i>et al.</i> (2015)
		CBS 134853	LPF407	B40	<i>Ca. glaebricola</i>	CBS 134853	<i>Eucalyptus</i> sp. (leaf)	Tocantins, Bico do Papagaio, Brazil	R.F. Alfenas	N/A; KM396054; KM396137; N/A; N/A; N/A; KM395880; KM395967	Alfenas <i>et al.</i> (2015)
A53	<i>Ca. gracilis</i>	CBS 111807 ^T	AR2677; CMW 51189; PPRI 4176; STE-U 2634	B43	<i>Ca. gracilis</i>	CBS 111807 ^T	<i>Manilkara</i> <i>zapota</i>	Pará, Brazil	F. Carneiro de Albuquerque	GQ280488; GQ267407; DQ190646; GQ280610; GQ280732; KY653390; GQ267323; AF232858	Crous <i>et al.</i> (1993c, 2006), Crous (2002), Lombard <i>et al.</i> (2016), Marin-Felix <i>et al.</i> (2017)
		CBS 111284	CMW 51175; CPC 1483	B43	<i>Ca. gracilis</i>	CBS 111284	Soil	Imbrapa, Brazil	P.W. Crous	GQ280489; GQ267408; DQ190647; GQ280611; GQ280733; KY653389; GQ267324; DQ190567	Crous <i>et al.</i> (1993c, 2006), Crous (2002), Lombard <i>et al.</i> (2016), Marin-Felix <i>et al.</i> (2017)
A57	<i>Ca. henricotiae</i>	CBS 138102 ^T	CB045	B45	<i>Ca. henricotiae</i>	CBS 138102 ^T	<i>Buxus</i> <i>sempervirens</i>	Lokeren, East Flanders, Belgium	B. Gehequiere & K. Heungens	N/A; KF815157; KF815185; JX535322; N/A; N/A; N/A; JX535308	Gehequiere <i>et al.</i> (2015)
		CB041	-	B45	<i>Ca. henricotiae</i>	CB041	<i>B. sempervirens</i>	Lokeren, East Flanders, Belgium	B. Gehequiere & K. Heungens	N/A; KF815156; KF815184; N/A; N/A; N/A; N/A; KF815129	Gehequiere <i>et al.</i> (2015)

A59	<i>Ca. hodgesii</i> *	CBS 133609 ^T	LPF245	B14	<i>Ca. brasiliensis</i> [#]	CBS 133609	<i>Anadenanthera peregrina</i>	Viçosa, Minas Gerais, Brazil	R.F. Alfenas	N/A; KC491222; N/A; N/A; N/A; N/A; KC491225; KC491228	Alfenas <i>et al.</i> (2013b, 2015)
		CBS 133608	LPF244	B14	<i>Ca. brasiliensis</i> [#]	–	<i>Piptadenia gonoacantha</i>	Viçosa, Minas Gerais, Brazil	R.F. Alfenas	N/A; KC491221; N/A; N/A; N/A; N/A; KC491224; KC491227	Alfenas <i>et al.</i> (2013b, 2015)
A67	<i>Ca. indusiata</i>	CBS 144.36 ^T	CMW 23699	B53	<i>Ca. indusiata</i>	CBS 144.36 ^T	<i>Camellia sinensis</i>	Sri lanka	N/A	GQ280536; GQ267453; GQ267262; GQ280658; GQ280780; KY653396; GQ267332; GQ267239	Crous (2002), Lombard <i>et al.</i> (2010a, 2016), Marin-Felix <i>et al.</i> (2017)
		CBS 114684	CMW 51213; CPC 2446; UFV16	B53	<i>Ca. indusiata</i>	CBS 114684	<i>Rhododendron</i> sp.	Florida, USA	N.E. El-Gholl	GQ280537; GQ267454; DQ190653; GQ280659; GQ280781; N/A; GQ267333; AF232862	Crous <i>et al.</i> (1999, 2006), Crous (2002)
A70	<i>Ca. lageniformis</i>	CBS 111324 ^T	CMW 51177; CPC 1473	B56	<i>Ca. lageniformis</i>	CBS 111324 ^T	<i>Eucalyptus</i> sp. (leaf)	Rivière Noire, Mauritius	H. Smith	N/A; KX784574; N/A; KY653256; KY653312; KY653400; KX784702; KX784632	Lombard <i>et al.</i> (2016), Marin-Felix <i>et al.</i> (2017)
A83	<i>Ca. maranhensis</i>	CBS 134811 ^T	LPF142	B67	<i>Ca. maranhensis</i>	CBS 134811 ^T	<i>Eucalyptus</i> sp. (leaf)	Açailandia, Maranhao, Brazil	A.C. Alfenas	N/A; KM396035; KM396118; N/A; N/A; N/A; KM395861; KM395948	Alfenas <i>et al.</i> (2015)
		CBS 134812	LPF143	B67	<i>Ca. maranhensis</i>	CBS 134812	<i>Eucalyptus</i> sp. (leaf)	Açailandia, Maranhao, Brazil	A.C. Alfenas	N/A; KM396036; KM396119; N/A; N/A; N/A; KM395862; KM395949	Alfenas <i>et al.</i> (2015)
A84	<i>Ca. metrosideri</i>	CBS 133603 ^T	LPF101	B68	<i>Ca. metrosideri</i>	CBS 133603 ^T	<i>Metrosideros polymorpha</i>	Viçosa, Minas Gerais state, Brazil	R.F. Alfenas	N/A; KC294304; KC294307; N/A; N/A; N/A; KC294310; KC294313	Alfenas <i>et al.</i> (2013a, 2015)
A85	<i>Ca. mexicana</i>	CBS 110918 ^T	CMW 9055; STE-U 927	B69	<i>Ca. mexicana</i>	CBS 110918 ^T	Soil	Uxmal, Yucatan, Mexico	M.J. Wingfield	GQ280474; GQ267396; FJ972460; GQ280596; GQ280718; KY653412; FJ972526; AF210863	Schoch <i>et al.</i> (1999), Crous (2002), Lombard <i>et al.</i> (2010a), Marin-Felix <i>et al.</i> (2017)
A88	<i>Ca. monticola</i>	CBS 140645 ^T	CPC 28835	B70	<i>Ca. monticola</i>	CBS 140645 ^T	Soil	Chiang Mai, Thailand	P.W. Crous	N/A; KT964771; N/A; KT964775; KT983443; N/A; KT964773; KT964769	Crous <i>et al.</i> (2015)
		CPC 28836	–	B70	<i>Ca. monticola</i>	CPC 28836	Soil	Chiang Mai, Thailand	P.W. Crous	N/A; KT964772; N/A; KT964776; KT983444; N/A; KT964774; KT964770	Crous <i>et al.</i> (2015)
A91	<i>Ca. multinaviculata</i>	CBS 134858 ^T	LPF233	B72	<i>Ca. multinaviculata</i>	CBS 134858 ^T	Soil (<i>Eucalyptus</i> plantation)	Mucuri, Bahia, Brazil	E. Zauza	N/A; KM396072; KM396155; N/A; N/A; N/A; KM395898; KM395985	Alfenas <i>et al.</i> (2015)
		CBS 134859	LPF418	B72	<i>Ca. multinaviculata</i>	CBS 134859	Soil (<i>Eucalyptus</i> plantation)	Monte Dourado, Pará, Brazil	R.F. Alfenas	N/A; KM396073; KM396156; N/A; N/A; N/A; KM395899; KM395986	Alfenas <i>et al.</i> (2015)

A95	<i>Ca. naviculata</i>	CBS 101121 ^T	CMW 30974	B75	<i>Ca. naviculata</i>	CBS 101121	Leaf litter	Joao Pessoa, Brazil	R.F. Castaneda	GQ280478; GQ267399; GQ267252; GQ280600; GQ280722; KM232309; GQ267317; GQ267211	Lombard <i>et al.</i> (2010a, 2015b)
		CBS 116080	CMW 16723; STE-U 627	B75	<i>Ca. naviculata</i>	CBS 116080	Soil	Manaus, Amazonas, Brazil	M.J. Wingfield	GQ280477; GQ267398; GQ267251; GQ280599; GQ280721; KY653417; GQ267316; AF333409	Crous <i>et al.</i> (1997a), Crous (2002), Lombard <i>et al.</i> (2010a), Marin-Felix <i>et al.</i> (2017)
A97	<i>Ca. nemoricola</i>	CBS 134837 ^T	LPF085	B76	<i>Ca. nemoricola</i>	CBS 134837 ^T	Soil (tropical rainforest)	Araponga, Minas Gerais, Brazil	A.C. Alfenas & P.W. Crous	N/A; KM396066; KM396149; N/A; N/A; N/A; KM395892; KM395979	Alfenas <i>et al.</i> (2015)
		CBS 134838	LPF090	B76	<i>Ca. nemoricola</i>	CBS 134838	Soil (tropical rainforest)	Araponga, Minas Gerais, Brazil	A.C. Alfenas & P.W. Crous	N/A; KM396067; KM396150; N/A; N/A; N/A; KM395893; KM395980	Alfenas <i>et al.</i> (2015)
A104	<i>Ca. paracolhounii</i>	CBS 114679 ^T	CMW 51212; CPC 2445	B81	<i>Ca. paracolhounii</i>	CBS 114679 ^T	N/A	USA	A.Y. Rossman	N/A; KX784582; N/A; KY653268; KY653324; KY653423; KX784714; KX784644	Lombard <i>et al.</i> (2016), Marin-Felix <i>et al.</i> (2017)
		CBS 114705	CMW 51215; CPC 2423	B81	<i>Ca. paracolhounii</i>	CBS 114705	<i>Annona reticulata</i> (fruit)	Australia	D. Hutton	N/A; N/A; N/A; KY653269; KY653325; KY653424; KX784715; KX784645	Lombard <i>et al.</i> (2016), Marin-Felix <i>et al.</i> (2017)
A105	<i>Ca. paraensis</i>	CBS 134669 ^T	LPF430	B82	<i>Ca. paraensis</i>	CBS 134669 ^T	Soil (<i>Eucalyptus</i> plantation)	Monte Dourado, Pará, Brazil	R.F. Alfenas	N/A; KM396011; KM396094; N/A; N/A; N/A; KM395837; KM395924	Alfenas <i>et al.</i> (2015)
		LPF429	–	B82	<i>Ca. paraensis</i>	LPF429	Soil (tropical rainforest)	Monte Dourado, Pará, Brazil	R.F. Alfenas	N/A; KM396015; KM396098; N/A; N/A; N/A; KM395841; KM395928	Alfenas <i>et al.</i> (2015)
A112	<i>Ca. piauiensis</i>	CBS 134850 ^T	LPF377	B87	<i>Ca. piauiensis</i>	CBS 134850 ^T	Soil (<i>Eucalyptus</i> plantation)	Teresina, Piauí, Brazil	R.F. Alfenas	N/A; KM396060; KM396143; N/A; N/A; N/A; KM395886; KM395973	Alfenas <i>et al.</i> (2015)
		CBS 134851	LPF381	B87	<i>Ca. piauiensis</i>	CBS 134851	Soil (tropical rainforest)	Teresina, Piauí, Brazil	R.F. Alfenas	N/A; KM396061; KM396144; N/A; N/A; N/A; KM395887; KM395974	Alfenas <i>et al.</i> (2015)
A113	<i>Ca. pini</i>	CBS 125523	CMW 31210	B88	<i>Ca. pini</i>	CBS 125523	<i>Pinus patula</i>	Buga, Valle del Cauca, Colombia	C.A. Rodas	GQ280518; GQ267437; GQ267274; GQ280640; GQ280762; N/A; GQ267345; GQ267225	Lombard <i>et al.</i> (2010a)
A117	<i>Ca. propaginicola</i>	CBS 134815 ^T	LPF220	B90	<i>Ca. propaginicola</i>	CBS 134815 ^T	<i>Eucalyptus</i> sp. (seeding)	Santana, Pará, Brazil	A.C. Alfenas	N/A; KM396040; KM396123; N/A; N/A; N/A; KM395866; KM395953	Alfenas <i>et al.</i> (2015)
		CBS 134816	LPF222	B90	<i>Ca. propaginicola</i>	CBS 134816	<i>Eucalyptus</i> sp. (seeding)	Santana, Pará, Brazil	A.C. Alfenas	N/A; KM396041; KM396124; N/A; N/A; N/A; KM395867; KM395954	Alfenas <i>et al.</i> (2015)

A118	<i>Ca. pseudobrassicae</i>	CBS 134662 ^T	LPF280	B91	<i>Ca. pseudorassicae</i>	CBS 134662 ^T	Soil (<i>Eucalyptus</i> plantation)	Santana, Pará, Brazil	A.C. Alfenas	N/A; KM396023; KM396106; N/A; N/A; N/A; KM395849; KM395936	Alfenas <i>et al.</i> (2015)
		CBS 134661	LPF260	B91	<i>Ca. pseudobrassicae</i>	CBS 134661	Soil (<i>Eucalyptus</i> plantation)	Santana, Pará, Brazil	A.C. Alfenas	N/A; KM396022; KM396105; N/A; N/A; N/A; KM395848; KM395935	Alfenas <i>et al.</i> (2015)
A119	<i>Ca. pseudocerciana</i> *	CBS 134824 ^T	LPF367	B90	<i>Ca. propaginicola</i> [#]	CBS 134824	<i>Eucalyptus</i> sp. (seeding)	Santana, Pará, Brazil	A.C. Alfenas	N/A; KM396049; KM396132; N/A; N/A; N/A; KM395875; KM395962	Alfenas <i>et al.</i> (2015)
		CBS 134823	LPF366	B90	<i>Ca. propaginicola</i> [#]	–	<i>Eucalyptus</i> sp. (seeding)	Santana, Pará, Brazil	A.C. Alfenas	N/A; KM396048; KM396131; N/A; N/A; N/A; KM395874; KM395961	Alfenas <i>et al.</i> (2015)
A121	<i>Ca. pseudoecuadoriae</i>	CBS 111402 ^T	CMW 51179; CPC 1639	B92	<i>Ca. pseudoecuadoriae</i>	CBS 111402 ^T	Soil	Ecuador	M.J. Wingfield	N/A; KX784589; N/A; KY653273; KY653329; KY653432; KX784723; KX784652	Lombard <i>et al.</i> (2016), Marin-Felix <i>et al.</i> (2017)
A122	<i>Ca. pseudohodgesii</i> *	CBS 134818 ^T	LPF262	B14	<i>Ca. brasiliensis</i> [#]	CBS 134818	<i>Azadirachta indica</i> (leaf)	Viçosa, Minas Gerais, Brazil	R.F. Alfenas	N/A; KM395991; KM396079; N/A; N/A; N/A; KM395817; KM395905	Alfenas <i>et al.</i> (2015)
		CBS 134819	LPF265	B14	<i>Ca. brasiliensis</i> [#]	–	<i>Azadirachta indica</i> (leaf)	Viçosa, Minas Gerais, Brazil	R.F. Alfenas	N/A; KM395992; KM396080; N/A; N/A; N/A; KM395818; KM395906	Alfenas <i>et al.</i> (2015)
A124	<i>Ca. pseudometrosideri</i>	CBS 134845 ^T	LPF210	B93	<i>Ca. pseudometrosideri</i>	CBS 134845 ^T	Soil (<i>Eucalyptus</i> plantation)	Maceió, Alagoas, Brazil	M.M. Coutinho	N/A; KM395995; KM396083; N/A; N/A; N/A; KM395821; KM395909	Alfenas <i>et al.</i> (2015)
		CBS 134843	LPF100	B93	<i>Ca. pseudometrosideri</i>	CBS 134843	<i>Metrosideros polymorpha</i>	Viçosa, Minas Gerais, Brazil	A.C. Alfenas	N/A; KM395993; KM396081; N/A; N/A; N/A; KM395819; KM395907	Alfenas <i>et al.</i> (2015)
A130	<i>Ca. pseudospathiphylli</i>	CBS 109165 ^T	CMW 30976; CPC 1623	B98	<i>Ca. pseudospathiphylli</i>	CBS 109165 ^T	Soil	Ecuador	M.J. Wingfield	GQ280493; GQ267412; AF348241; GQ280615; GQ280737; KY653435; FJ918562; FJ918513	Kang <i>et al.</i> (2001b), Crous (2002), Lombard <i>et al.</i> (2010a, c), Marin-Felix <i>et al.</i> (2017)
A131	<i>Ca. pseudospathulata</i>	CBS 134841 ^T	LPF072	B99	<i>Ca. pseudospathulata</i>	CBS 134841 ^T	Soil (tropical rainforest)	Araponga, Minas Gerais, Brazil	A.C. Alfenas & P.W. Crous	N/A; KM396070; KM396153; N/A; N/A; N/A; KM395896; KM395983	Alfenas <i>et al.</i> (2015)
		CBS 134840	LPF066	B99	<i>Ca. pseudospathulata</i>	CBS 134840	Soil (tropical rainforest)	Araponga, Minas Gerais, Brazil	A.C. Alfenas & P.W. Crous	N/A; KM396069; KM396152; N/A; N/A; N/A; KM395895; KM395982	Alfenas <i>et al.</i> (2015)
A134	<i>Ca. pseudovata</i>	CBS 134674 ^T	LPF267	B101	<i>Ca. pseudovata</i>	CBS 134674 ^T	Soil (<i>Eucalyptus</i> plantation)	Santana, Pará, Brazil	A.C. Alfenas	N/A; KM396032; KM396115; N/A; N/A; N/A; KM395858; KM395945	Alfenas <i>et al.</i> (2015)

		CBS 134675	LPF285	B101	<i>Ca. pseudovata</i>	CBS 134675	Soil (<i>Eucalyptus</i> plantation)	Santana, Pará, Brazil	A.C. Alfenas	N/A; KM396033; KM396116; N/A; N/A; N/A; KM395859; KM395946	Alfenas <i>et al.</i> (2015)
A136	<i>Ca. pteridis</i>	CBS 111793 ^T	ATCC 34395; CMW 16736; CPC 2372	B102	<i>Ca. pteridis</i>	CBS 111793 ^T	<i>Arachniodes</i> <i>adiantiformis</i>	USA	F. Schickedanz	GQ280494; GQ267413; DQ190679; GQ280616; GQ280738; KY653438; FJ918563; DQ190578	Crous <i>et al.</i> (1993c, 2006), Crous (2002), Lombard <i>et al.</i> (2010a), Marin-Felix <i>et al.</i> (2017)
A139	<i>Ca. quinquerosa</i>	CBS 134654 ^T	LPF065	B105	<i>Ca.</i> <i>quinquerosa</i>	CBS 134654 ^T	Soil (<i>Eucalyptus</i> plantation)	Monte Dourado, Pará, Brazil	R.F. Alfenas	N/A; KM396029; KM396112; N/A; N/A; N/A; KM395855; KM395942	Alfenas <i>et al.</i> (2015)
		CBS 134655	LPF281	B105	<i>Ca.</i> <i>quinquerosa</i>	CBS 134655	Soil (<i>Eucalyptus</i> plantation)	Santana, Pará, Brazil	A.C. Alfenas	N/A; KM396030; KM396113; N/A; N/A; N/A; KM395856; KM395943	Alfenas <i>et al.</i> (2015)
A141	<i>Ca. robigophila</i>	CBS 134652 ^T	LPF192	B107	<i>Ca. robigophila</i>	CBS 134652 ^T	<i>Eucalyptus</i> sp. (leaf)	Açailandia, Maranhao, Brazil	R.F. Alfenas	N/A; KM396024; KM396107; N/A; N/A; N/A; KM395850; KM395937	Alfenas <i>et al.</i> (2015)
		CBS 134653	LPF193	B107	<i>Ca. robigophila</i>	CBS 134653	<i>Eucalyptus</i> sp. (leaf)	Açailandia, Maranhao, Brazil	R.F. Alfenas	N/A; KM396025; KM396108; N/A; N/A; N/A; KM395851; KM395938	Alfenas <i>et al.</i> (2015)
A144	<i>Ca. silvicola</i>	CBS 135237 ^T	LPF081	B109	<i>Ca. silvicola</i>	CBS 135237 ^T	Soil (tropical rainforest)	Mucuri, Bahia, Brazil	A.C. Alfenas & P.W. Crous	N/A; KM396065; KM396148; N/A; N/A; N/A; KM395891; KM395978	Alfenas <i>et al.</i> (2015)
		CBS 134836	LPF079	B109	<i>Ca. silvicola</i>	CBS 134836	Soil (tropical rainforest)	Araponga, Minas Gerais, Brazil	A.C. Alfenas & P.W. Crous	N/A; KM396062; KM396145; N/A; N/A; N/A; KM395888; KM395975	Alfenas <i>et al.</i> (2015)
	<i>Calonectria</i> sp.	CBS 112152	CPC 3203	–	<i>Calonectria</i> sp.	CBS 112152	<i>E.</i> <i>camaldulensis</i>	Vietnam	N/A	N/A; KX784602; N/A; KY653291; KY653347; KY653463; KX784745; KX784672	Lombard <i>et al.</i> (2016), Marin-Felix <i>et al.</i> (2017)
	<i>Calonectria</i> sp.	CBS 112753	CPC 4225	–	<i>Calonectria</i> sp.	CBS 112753	N/A	Indonesia	N/A	N/A; KX784598; N/A; KY653292; KY653348; KY653464; KX784740; KX784667	Lombard <i>et al.</i> (2016), Marin-Felix <i>et al.</i> (2017)
A151	<i>Ca. syzygiicola</i>	CBS 112831 ^T	CMW 51204; CPC 4511	B113	<i>Ca. syzygiicola</i>	CBS 112831 ^T	<i>Syzygium</i> <i>aromaticum</i>	Sumatra, Indonesia	M.J. Wingfield	N/A; N/A; N/A; N/A; N/A; N/A; KX784736; KX784663	Lombard <i>et al.</i> (2016)
A152	<i>Ca. telluricola</i> *	CBS 134664 ^T	LPF217	B82	<i>Ca. paraensis</i> [#]	CBS 134664	Soil (tropical rainforest)	Mucuri, Bahia, Brazil	E. Zauza	N/A; KM396017; KM396100; N/A; N/A; N/A; KM395843; KM395930	Alfenas <i>et al.</i> (2015)
		CBS 134663	LPF214	B82	<i>Ca. paraensis</i> [#]	–	Soil (tropical rainforest)	Salinas, Minas Gerais, Brazil	D.B. Pinho	N/A; KM396016; KM396099; N/A; N/A; N/A; KM395842; KM395929	Alfenas <i>et al.</i> (2015)

A156	<i>Ca. terricola</i>	CBS 116247 ^T	CMW 51232; CPC 3583	B114	<i>Ca. terricola</i>	CBS 116247 ^T	Soil (<i>Eucalyptus</i> plantation)	Brazil	P.W. Crous	N/A; N/A; N/A; N/A; N/A; N/A; KX784738; KX784665	Lombard <i>et al.</i> (2016)
A163	<i>Ca. uniseptata</i>	CBS 413.67 ^T	CMW 23678; CPC 2391; IMI 299577	B116	<i>Ca. uniseptata</i>	CBS 413.67 ^T	<i>Paphiopedilum</i> <i>callosum</i>	Celle, Germany	W. Gerlach	GQ280451; GQ267379; GQ267248; GQ280573; GQ280695; N/A; GQ267307; GQ267208	Lombard <i>et al.</i> (2016)
	<i>Curviciadiella</i> <i>cignea</i>	CBS 109167 ^T	CPC 1595; MUCL 40269	–	–	–	Decaying leaf	French Guiana	C. Decock	KM231122; KM231287; KM231461; AF220973; AY793431; KM232311; KM231867; KM232002	Decock & Crous (1998), Crous <i>et al.</i> (2006), Lombard <i>et al.</i> (2015b)
		CBS 109168	CPC 1594; MUCL 40268	–	–	–	Decaying seed	French Guiana	C. Decock	KM231121; KM231286; KM231460; KM231745; JQ666074; KM232312; KM231868; KM232003	Decock & Crous (1998), Crous <i>et al.</i> (2006), Lombard <i>et al.</i> (2015b)

¹Codes (A1 to A169) of the 169 *Calonectria* species before revision.

²*Calonectria* species names before revision.

³AR: Amy Y. Rossman working collection; ATCC: American Type Culture Collection, Virginia, U.S.A; CBS: Westerdijk Fungal Biodiversity Institute, Utrecht, The Netherlands; CMW: Culture collection of the Forestry and Agricultural Biotechnology Institute (FABI), University of Pretoria, Pretoria, South Africa; CPC: Pedro Crous working collection housed at Westerdijk Fungal Biodiversity Institute; IMI: International Mycological Institute, CABI Bioscience, Egham, Basingstoke, U.K.; LPF: Laboratório de Patologia Florestal, Universidade Federal de Viçosa, Viçosa, Brazil; LPP: Culture collection of the Laboratory of Plant Protection, Department of Phytopathology, Universidade Federal de Viçosa, Brazil; MUCL: Mycothèque, Laboratoire de Mycologie Systématique et Appliquée, l'Université, Louvain-la-Neuve, Belgium; PPRI: Plant Protection Research Institute, Pretoria, South Africa; STE-U: Department of Plant Pathology, University of Stellenbosch, South Africa; UFV: Universidade Federal de Viçosa, Viçosa, Brazil.

⁴The isolate numbers were appeared in the phylogenetic trees in this study; T: ex-type isolates of the *Calonectria* species.

⁵Codes (B1 to B120) of the 120 *Calonectria* species after revision.

⁶The 120 *Calonectria* species after revision, species link to the key isolates including the ex-types are in bold.

⁷Key isolates of the 120 *Calonectria* species after revision

⁸T: ex-type isolates of the *Calonectria* species after revision.

⁹*act*: actin; *cmdA*: calmodulin; *his3*: histone H3; ITS: the internal transcribed spacer regions 1 and 2 and the 5.8S gene of the ribosomal RNA; LSU: 28S large subunit RNA gene; *rpb2*: the second largest subunit of RNA polymerase; *tef1*: translation elongation factor 1-alpha; *tub2*: β-tubulin.

¹⁰N/A: information are not available.

*Species were synonymized.

#Species names after synonymizing.

Table S3. Statistics resulting from phylogenetic analyses in this study.

Dataset	No. of taxa	No. of bp ¹	Maximum parsimony						
			PIC ²	No. of trees	Tree length	CI ³	RI ⁴	RC ⁵	HI ⁶
<i>act</i>	246	286	117	1000	424	0.45	0.948	0.427	0.55
<i>cmdA</i>	314	721	358	1000	1464	0.411	0.945	0.388	0.589
<i>his3</i>	305	498	200	1000	1488	0.275	0.901	0.248	0.725
ITS	268	705	58	1000	102	0.667	0.957	0.638	0.333
LSU	267	866	47	1000	88	0.568	0.965	0.548	0.432
<i>rpb2</i>	234	863	305	180	1451	0.331	0.927	0.307	0.669
<i>tef1</i>	316	563	292	1000	1385	0.393	0.936	0.368	0.607
<i>tub2</i>	285	652	305	1000	1422	0.411	0.921	0.378	0.589
<i>act/cmdA/his3/ITS/LSU/rpb2/tef1/tub2</i>	318	5154	1682	3000	8621	0.34	0.919	0.312	0.66

Dataset	Maximum likelihood							
	Subst. mode ⁷	NST ⁸	Rate matrix					Rates
<i>act</i>	HKY+I+G	2	–	–	–	–	–	Gamma
<i>cmdA</i>	TIM1+I+G	6	1.0000	4.4097	0.8264	0.8264	5.7643	Gamma
<i>his3</i>	TVM+I+G	6	0.7263	5.1655	1.3467	0.9374	5.1655	Gamma
ITS	TVMef+I+G	6	2.4645	3.8108	3.1850	0.0010	3.8108	Gamma
LSU	GTR+I+G	6	1.0101	2.6538	0.8767	0.0003	6.1137	Gamma
<i>rpb2</i>	K80+I+G	2	–	–	–	–	–	Gamma
<i>tef1</i>	GTR+I+G	6	1.0133	2.5411	1.1773	0.7365	3.2101	Gamma
<i>tub2</i>	TIM3+I+G	6	1.3734	5.7290	1.0000	1.3734	4.1494	Gamma
<i>act/cmdA/his3/ITS/LSU/rpb2/tef1/tub2</i>	TIM2+I+G	6	1.3999	5.0850	1.3999	1.0000	6.3778	Gamma

¹bp = base pairs.

²PIC = number of parsimony informative characters.

³CI = consistency index.

⁴RI = retention index.

⁵RC = rescaled consistency index.

⁶HI = homoplasy index.

⁷Subst. model = best fit substitution model.

⁸NST = number of substitution rate categories.

Table S4. Morphological characteristics, thallism and location of ex-types of *Calonectria* species.

Code A ¹	Code B ²	Species ³	Vesicle		Macroconidia		Perithecial	Asci	Ascospores		Thallism ¹⁰	Location of ex-type isolates ⁹	References or source of data
			Shape ⁴	Diam (µm)	Septation ⁵	Average size (µm)	Colour ⁶	Spore number ⁷	Septation ⁸	Average size (µm)			
1. <i>Calonectria brassicae</i> species complex													
A16	B12	<i>Calonectria brachiatica</i>	Clavate	5–7	1(–2)	44 × 5	N/A ¹¹	N/A	N/A	N/A	Putative heterothallic	South America, Colombia	Lombard <i>et al.</i> (2009), Li <i>et al.</i> (2020)
A20	B16	<i>Ca. brassicae</i>	Clavate	2–6	1	53 × 4.5	N/A	N/A	N/A	N/A	N/A	Asia, Indonesia	Crous (2002)
A29	B25	<i>Ca. clavata</i>	Narrowly clavate	2–5	1(–3)	65 × 5	Orange	8	1(–3)	44 × 5.5	Heterothallic	North America, USA	Crous (2002), Li <i>et al.</i> (2020)
A39	B34	<i>Ca. duoramosa</i>	Acicular to clavate	4–6	1	46 × 4	N/A	N/A	N/A	N/A	N/A	South America, Brazil	Alfenas <i>et al.</i> (2015)
A40	B35	<i>Ca. ecuadorae*</i>	Clavate	3–5	1(–3)	51 × 4.5	N/A	N/A	N/A	N/A	N/A	South America, Ecuador	Crous <i>et al.</i> (2006)
A41	B35	<i>Ca. ecuadorensis</i>	Clavate	4–6	1	37 × 4	N/A	N/A	N/A	N/A	N/A	South America, Ecuador	Marin-Felix <i>et al.</i> (2017)
A53	B43	<i>Ca. gracilis</i>	Clavate	2–11	1(–3)	56 × 4.5	Red	8	1	37 × 5	Homothallic	South America, Brazil	Crous (2002), Li <i>et al.</i> (2020)
A99	B77	<i>Ca. octoramosa</i>	Clavate	4–8	1(–3)	36 × 4	N/A	N/A	N/A	N/A	N/A	South America, Ecuador	Marin-Felix <i>et al.</i> (2017)
A100	B78	<i>Ca. orientalis</i>	Clavate to broadly clavate	5–10	1	48 × 4	N/A	N/A	N/A	N/A	Putative heterothallic	Asia, Indonesia	Lombard <i>et al.</i> (2010a), Li <i>et al.</i> (2020)
A105	B82	<i>Ca. paraensis*</i>	Clavate	4–6	1	42 × 5	N/A	N/A	N/A	N/A	N/A	South America, Brazil	Alfenas <i>et al.</i> (2015)
A152	B82	<i>Ca. telluricola</i>	Clavate	3–6	1	41 × 5	N/A	N/A	N/A	N/A	N/A	South America, Brazil	Alfenas <i>et al.</i> (2015)
A108	B83	<i>Ca. parvispora</i>	Clavate	4–8	1	29 × 4	N/A	N/A	N/A	N/A	N/A	South America, Brazil	Marin-Felix <i>et al.</i> (2017)
A41	B84	<i>Ca. pauciphialidica sp. nov.</i>	N/A	N/A	1	29.5 × 3	N/A	N/A	N/A	N/A	N/A	South America, Ecuador	Crous <i>et al.</i> (2006), this study
A113	B88	<i>Ca. pini</i>	Clavate	4–6	1	44 × 5	N/A	N/A	N/A	N/A	N/A	South America, Colombia	Lombard <i>et al.</i> (2010a)
A118	B91	<i>Ca. pseudobrassicae</i>	Clavate	5–6	1	41 × 5	N/A	N/A	N/A	N/A	N/A	South America, Brazil	Alfenas <i>et al.</i> (2015)
A121	B92	<i>Ca. pseudoecuadoriae</i>	Clavate	4–7	1	38 × 3.5	N/A	N/A	N/A	N/A	Putative heterothallic	South America, Ecuador	Lombard <i>et al.</i> (2016), Li <i>et al.</i> (2020)
A139	B105	<i>Ca. quinqueramosa</i>	Narrowly clavate to clavate	3–5	1	59 × 5	Orange to red to brown	8	(1–)3	40 × 6	Homothallic	South America, Brazil	Alfenas <i>et al.</i> (2015)
A141	B107	<i>Ca. robigophila</i>	Acicular to clavate	4–5	1	50 × 4	N/A	N/A	N/A	N/A	N/A	South America, Brazil	Alfenas <i>et al.</i> (2015)
2. <i>Calonectria candelabrum</i> species complex													
A17	B13	<i>Ca. brasiliiana</i>	Ellipsoidal to obpyriform	6–9	1	40 × 4	N/A	N/A	N/A	N/A	Putative heterothallic	South America, Brazil	Lombard <i>et al.</i> (2016), Li <i>et al.</i> (2020)
A19	B15	<i>Ca. brassiana</i>	Ellipsoidal to narrowly obpyriform	3–7	1	53 × 4	N/A	N/A	N/A	N/A	N/A	South America, Brazil	Alfenas <i>et al.</i> (2015)
A22	B18	<i>Ca. brevistipitata</i>	Fusiform to obpyriform	5–8	1	31 × 3.5	N/A	N/A	N/A	N/A	Heterothallic	North America, Mexico	Lombard <i>et al.</i> (2016), Li <i>et al.</i> (2020)
A25	B21	<i>Ca. candelabrum*</i>	Ellipsoidal to narrowly obpyriform	5–8	1	60 × 4.5	Red-brown	8	1	48 × 5.5	Heterothallic	South America, Brazil	Viégas (1946), Crous (2002), Lombard <i>et al.</i> (2015b), Li <i>et al.</i> (2020)
A129	B21	<i>Ca. pseudoscoparia</i>	Obpyriform to ellipsoidal	6–10	1	48 × 4	N/A	N/A	N/A	N/A	Putative heterothallic	South America, Ecuador	Lombard <i>et al.</i> (2010a), Li <i>et al.</i> (2020)
A33	B28	<i>Ca. colombiana</i>	Obpyriform to ellipsoidal	8–12	1	37 × 3	Orange to red to red-brown	8	1	34 × 4	Homothallic	South America, Colombia	Lombard <i>et al.</i> (2010b), Li <i>et al.</i> (2020)
A44	B37	<i>Ca. eucalypticola</i>	Ellipsoidal to obpyriform	5–7	1	50 × 4	N/A	N/A	N/A	N/A	N/A	South America, Brazil	Alfenas <i>et al.</i> (2015)
A48	B38	<i>Ca. fragariae</i>	Obpyriform to ellipsoidal	8–10	1	39 × 4	N/A	N/A	N/A	N/A	N/A	South America, Brazil	Lopes <i>et al.</i> (2017)

A50	B40	<i>Ca. glaeibicola</i>	Ellipsoidal to narrowly obpyriform	3–5	1	50 × 4	N/A	N/A	N/A	N/A	N/A	South America, Brazil	Alfenas <i>et al.</i> (2015)
A84	B68	<i>Ca. metrosideri</i>	Spathulate to obpyriform	5–9	1	45 × 4	N/A	N/A	N/A	N/A	N/A	South America, Brazil	Alfenas <i>et al.</i> (2013a)
A97	B76	<i>Ca. nemoricola</i>	Obpyriform	7–13	1	45 × 4	N/A	N/A	N/A	N/A	N/A	South America, Brazil	Alfenas <i>et al.</i> (2015)
A109	B85	<i>Ca. pauciramosa*</i>	Obpyriform to broadly ellipsoidal	5–11	1	50 × 4.5	Orange to red-brown	8	1	35 × 6.5	Heterothallic	Africa, South Africa	Schoch <i>et al.</i> (1999), Crous (2002), Li <i>et al.</i> (2020)
A30	B85	<i>Ca. cliffordiicola</i>	Ellipsoidal to obpyriform	7–9	1	40 × 4	N/A	N/A	N/A	N/A	N/A	Africa, South Africa	Lombard <i>et al.</i> (2016)
A42	B85	<i>Ca. ericae</i>	Ellipsoidal to obpyriform	6–10	1	37 × 4	N/A	N/A	N/A	N/A	Putative heterothallic	North America, USA	Lombard <i>et al.</i> (2016), Li <i>et al.</i> (2020)
A78	B85	<i>Ca. machaerinae</i>	Ellipsoidal to obpyriform	6–9	1	38 × 4	N/A	N/A	N/A	N/A	N/A	Oceania, New Zealand	Lombard <i>et al.</i> (2016)
A89	B85	<i>Ca. mossambicensis</i>	Obpyriform to ellipsoidal	2–8	1	42 × 4	N/A	N/A	N/A	N/A	Putative heterothallic	Africa, Mozambique	Crous <i>et al.</i> (2013), Li <i>et al.</i> (2020)
A116	B85	<i>Ca. polizzii</i>	Obpyriform to ellipsoidal	6–9	1	37 × 4	N/A	N/A	N/A	N/A	Heterothallic	Europe, Italy	Lombard <i>et al.</i> (2010b), Li <i>et al.</i> (2020)
A143	B85	<i>Ca. seminaria</i>	Obpyriform to ellipsoidal	6–11	1	47 × 5	N/A	N/A	N/A	N/A	Putative heterothallic	Asia, China	Lombard <i>et al.</i> (2015a), Li <i>et al.</i> (2020)
A157	B85	<i>Ca. tetraramosa</i>	Obpyriform	4–10	1	48 × 5	N/A	N/A	N/A	N/A	Putative heterothallic	Asia, China	Lombard <i>et al.</i> (2015a), Li <i>et al.</i> (2020)
A169	B85	<i>Ca. zuluensis</i>	Ellipsoidal to obpyriform	6–10	1	36 × 4	Orange to red to red-brown	8	1	32 × 4	Heterothallic	Africa, South Africa	Lombard <i>et al.</i> (2010b), Li <i>et al.</i> (2020)
A112	B87	<i>Ca. piuiensis</i>	Ellipsoidal to narrowly obpyriform	3–7	1	49 × 4.5	N/A	N/A	N/A	N/A	N/A	South America, Brazil	Alfenas <i>et al.</i> (2015)
A124	B93	<i>Ca. pseudometrosideri</i>	Ellipsoidal to obpyriform	5–7	1	51 × 4.5	N/A	N/A	N/A	N/A	N/A	South America, Brazil	Alfenas <i>et al.</i> (2015)
A131	B99	<i>Ca. pseudospathulata</i>	Obpyriform	7–10	1	43 × 4	N/A	N/A	N/A	N/A	N/A	South America, Brazil	Alfenas <i>et al.</i> (2015)
A137	B103	<i>Ca. putriramosa</i>	Ellipsoidal to obpyriform	7–9	1	43 × 5	N/A	N/A	N/A	N/A	Putative heterothallic	South America, Brazil	Lombard <i>et al.</i> (2016), Li <i>et al.</i> (2020)
A144	B109	<i>Ca. silvicola</i>	Obpyriform	7–10	1	41 × 4.5	N/A	N/A	N/A	N/A	N/A	South America, Brazil	Alfenas <i>et al.</i> (2015)
A146	B111	<i>Ca. spathulata*</i>	Ellipsoidal to obpyriform or clavate	6–10	(1–)3(–6)	80 × 6	Orange	4–8	(1–)3	50 × 5.5	Homothallic	South America, Brazil	Crous & Kang (2001), Crous (2002)
A148	B111	<i>Ca. stipitata</i>	Ellipsoidal to obpyriform	7–11	1	32 × 4	N/A	N/A	N/A	N/A	N/A	South America, Colombia	Lombard <i>et al.</i> (2016)
A167	B119	<i>Ca. venezuelana</i>	Fusiform to ovoid to ellipsoidal	5–9	1	58 × 5	N/A	N/A	N/A	N/A	N/A	South America, Venezuela	Lombard <i>et al.</i> (2016)
3. <i>Calonectria colhounii</i> species complex													
A3	B3	<i>Ca. aciculata</i>	Acicular to clavate	2–5	3	69 × 5.5	N/A	N/A	N/A	N/A	Homothallic	Asia, China	Li <i>et al.</i> (2017, 2020)
A32	B27	<i>Ca. colhounii</i>	Clavate	3–4	(1–)3	65 × 5	Bright yellow	4	(1–)3	55 × 6	Homothallic	Asia, Mauritius	Peerally (1973), Crous (2002)
A43	B36	<i>Ca. eucalypti*</i>	Broadly clavate	4–6	3	72 × 6	Yellow to orange to orange	4	(1–)3	33 × 6	Homothallic	Asia, Indonesia	Lombard <i>et al.</i> (2010a), Li <i>et al.</i> (2020)
A120	B36	<i>Ca. pseudocolhounii</i>	Clavate	3.5–6	(1–)3	60 × 4.5	Bright yellow to orange	4	(1–)3	56 × 6.5	Homothallic	Asia, China	Chen <i>et al.</i> (2011), Li <i>et al.</i> (2020)
A49	B39	<i>Ca. fujianensis*</i>	Clavate	3–5	(1–)3	52.5 × 4	Bright yellow to orange	4	(1–)3	55.5 × 6.8	Homothallic	Asia, China	Chen <i>et al.</i> (2011), Li <i>et al.</i> (2020)
A98	B39	<i>Ca. nymphaeae</i>	Clavate	3–5	3–4	61 × 5.9	Orange to red to red-brown	4	2–3	66 × 6	Homothallic	Asia, China	Xu <i>et al.</i> (2012)
A60	B47	<i>Ca. honghensis</i>	Clavate	2.5–5.5	3	54 × 5.5	Yellow to orange	4	3	49 × 6	Homothallic	Asia, China	Li <i>et al.</i> (2017, 2020)
A67	B53	<i>Ca. indusiata</i>	Narrowly clavate	3–6	(1–)3	81 × 6	Orange to red to red-brown	8	(1–)3	53 × 7	Homothallic	Asia, Sri Lanka	Crous (2002)
A76	B62	<i>Ca. lichi</i>	Clavate	3.5–5.5	3	65.7 × 6	N/A	N/A	N/A	N/A	Homothallic	Asia, China	Liu & Chen (2017), Li <i>et al.</i> (2020)

A79	B64	<i>Ca. macroconidialis*</i>	Clavate	3–5	(1–)3(–4)	90 × 6.5	Dull yellow	(2–)4	(1–)3	55 × 6	Heterothallic	Africa, South Africa	Crous <i>et al.</i> (1999); Crous (2002)
A107	B64	<i>Ca. parva</i>	Narrowly clavate	3–5	(1–)3	72 × 6	N/A	N/A	N/A	N/A	N/A	Africa, South Africa	Lombard <i>et al.</i> (2016)
A80	B65	<i>Ca. madagascariensis</i>	Clavate	3–4	(1–)3	55 × 4.5	Bright yellow	8	(1–)3	50 × 5.5	Homothallic	Africa, Madagascar	Crous (2002)
A88	B70	<i>Ca. monticola</i>	Broadly clavate	4–6	3	49 × 5	N/A	N/A	N/A	N/A	N/A	Asia, Thailand	Crous <i>et al.</i> (2015)
A104	B81	<i>Ca. paracolhouinii</i>	Narrowly clavate	3–5	3	41 × 5	N/A	N/A	N/A	N/A	N/A	North America, USA	Lombard <i>et al.</i> (2016)

4. *Calonectria cylindrospora* species complex

A11	B9	<i>Ca. auriculiformis</i>	Ellipsoidal to fusiform to obpyriform	6–12	1	43 × 4	N/A	N/A	N/A	N/A	Putative heterothallic	Asia, Vietnam	Pham <i>et al.</i> (2019), Li <i>et al.</i> (2020)
A18	B14	<i>Ca. brasiliensis*</i>	Ellipsoidal to obpyriform	7–11	1	38 × 3.5	N/A	N/A	N/A	N/A	Putative heterothallic	South America, Brazil	Lombard <i>et al.</i> (2010b), Li <i>et al.</i> (2020)
A59	B14	<i>Ca. hodgesii</i>	Pyriform to ellipsoidal or ovoid to sphaeropedunculate	6–11	1	50 × 4.5	N/A	N/A	N/A	N/A	N/A	South America, Brazil	Alfenas <i>et al.</i> (2013b)
A122	B14	<i>Ca. pseudohodgesii</i>	Clavate (rarely), ellipsoidal to obpyriform	4–10	1	54 × 4.5	N/A	N/A	N/A	N/A	N/A	South America, Brazil	Alfenas <i>et al.</i> (2015)
A26	B22	<i>Ca. cerciana*</i>	Fusiform to obpyriform	8–13	1	44 × 5	N/A	N/A	N/A	N/A	N/A	Asia, China	Lombard <i>et al.</i> (2010c)
A103	B22	<i>Ca. papillata</i>	Obpyriform to ellipsoidal with papillate apex	8–14	1	45 × 4	Orange to orange-brown	8	1	36 × 6	Homothallic	Asia, China	Lombard <i>et al.</i> (2015a), Li <i>et al.</i> (2020)
A155	B22	<i>Ca. terrestris</i>	Obpyriform to pyriform to broadly clavate	5–12	1	38.5 × 4.5	N/A	N/A	N/A	N/A	Putative heterothallic	Asia, China	Lombard <i>et al.</i> (2015a), Li <i>et al.</i> (2020)
A37	B32	<i>Ca. cylindrospora*</i>	Ellipsoidal to pyriform or clavate	6–8	1	45 × 4	Yellow to orange	(2–)8	1	37 × 6	Heterothallic	Europe, Italy	Crous (2002), Lombard <i>et al.</i> (2015a)
A15	B32	<i>Ca. blephilliae</i>	Clavate to ellipsoidal	7–10	1	50 × 4.5	N/A	N/A	N/A	N/A	Putative heterothallic	North America, USA	Crous <i>et al.</i> (2013), Li <i>et al.</i> (2020)
A56	B44	<i>Ca. hawksworthii*</i>	Ellipsoidal to clavate	6–9	1	56 × 4	N/A	N/A	N/A	N/A	N/A	Africa, Mauritius	Crous (2002)
A47	B44	<i>Ca. foliicola</i>	Obpyriform to ellipsoidal	6–13	1	47 × 5	N/A	N/A	N/A	N/A	Putative heterothallic	Asia, China	Lombard <i>et al.</i> (2015a), Li <i>et al.</i> (2020)
A149	B44	<i>Ca. sulawesiensis</i>	Broadly clavate to ellipsoidal	5–7	1	48 × 4	N/A	N/A	N/A	N/A	Putative heterothallic	Asia, Indonesia	Lombard <i>et al.</i> (2010a), Li <i>et al.</i> (2020)
A68	B54	<i>Ca. insularis</i>	Obpyriform to broadly ellipsoidal	4–13	1	45 × 4	Orange to red	8	1	33 × 6	Heterothallic	Africa, Madagascar	Schoch <i>et al.</i> (1999), Crous (2002)
A70	B56	<i>Ca. lageniformis</i>	Lageniform to ellipsoidal	6–10	1	40 × 5	N/A	N/A	N/A	N/A	N/A	Africa, Mauritius	Lombard <i>et al.</i> (2016)
A83	B67	<i>Ca. maranhensis</i>	Ellipsoid, obpyriform to sphaeropedunculate	7–11	1	57 × 5	N/A	N/A	N/A	N/A	N/A	South America, Brazil	Alfenas <i>et al.</i> (2015)
A114	B89	<i>Ca. plurilateralis</i>	Obpyriform to ellipsoidal	7–11	1	34 × 4	N/A	N/A	N/A	N/A	Putative heterothallic	South America, Ecuador	Lombard <i>et al.</i> (2016), Li <i>et al.</i> (2020)
A117	B90	<i>Ca. propaginicola*</i>	Ellipsoidal, obpyriform to sphaeropedunculate	5–12	1	49 × 4	N/A	N/A	N/A	N/A	N/A	South America, Brazil	Alfenas <i>et al.</i> (2015)
A119	B90	<i>Ca. pseudocerciana</i>	Obpyriform to sphaeropedunculate	7–12	1	45 × 4	N/A	N/A	N/A	N/A	N/A	South America, Brazil	Alfenas <i>et al.</i> (2015)
A158	B115	<i>Ca. tonkinensis</i>	Ellipsoidal to obpyriform	3–7	1	41.5 × 4	N/A	N/A	N/A	N/A	Putative heterothallic	Asia, Vietnam	Pham <i>et al.</i> (2019), Li <i>et al.</i> (2020)
A165	B118	<i>Ca. variabilis</i>	Sphaeropedunculate to ovoid or ellipsoidal to clavate	6–11	(1–)3(–4)	73 × 5	Red-brown	8	1(–)3	42 × 5	Homothallic	South America, Brazil	Crous <i>et al.</i> (1993b), Crous (2002)

5. *Calonectria gracilipes* species complex

A8	B7	<i>Ca. angustata</i>	Narrowly clavate	2–3	(1–)7–10(–12)	110 × 10	N/A	N/A	N/A	N/A	N/A	North America, USA	Crous <i>et al.</i> (2000), Crous (2002)
A52	B42	<i>Ca. gracilipes</i>	Clavate	3–4	1	45 × 4.5	Orange	8	1	35 × 6.5	Homothallic	South America, Colombia	Crous <i>et al.</i> (1997a), Crous (2002)
A63	B50	<i>Ca. hurae</i>	Narrowly clavate	3–5	(1–)7(–8)	120 × 7.5	N/A	N/A	N/A	N/A	N/A	South America, Brazil	Crous (2002)
A74	B60	<i>Ca. leguminum</i>	Narrowly clavate	2–3	(1–)3–5(–6)	60 × 5	Orange to red-brown	8	(1–)3	70 × 6.5	Homothallic	South America, Brazil	Figueiredo & Namekata (1967), Crous (2002)

A142	B108	<i>Ca. rumohrae</i>	Narrowly clavate	(3)–4–5	5(–7)	110 × 9	Orange-brown to brown	8	3–6(–9)	90 × 6.5	Homothallic	North America, Panama	El-Gholl <i>et al.</i> (1997), Crous (2002)
6. <i>Calonectria kytensis</i> species complex													
A4	B4	<i>Ca. aconidialis*</i>	N/A	N/A	N/A	N/A	Orange to orange-brown	8	1	36 × 6	Homothallic	Asia, China	Lombard <i>et al.</i> (2015a)
A9	B4	<i>Ca. arbusta</i>	Sphaeropedunculate	7–13	1	45 × 5	Orange to orange-brown	8	1	38 × 7	Homothallic	Asia, China	Lombard <i>et al.</i> (2015a), Li <i>et al.</i> (2020)
A45	B4	<i>Ca. expansa</i>	Sphaeropedunculate	8–16	1	52 × 5	Orange to orange-brown	8	1	39 × 6	Homothallic	Asia, China	Lombard <i>et al.</i> (2015a), Li <i>et al.</i> (2020)
A54	B4	<i>Ca. guangxiensis</i>	Sphaeropedunculate	11–14	1	47 × 5	Orange to orange-brown	8	1	36 × 6	Homothallic	Asia, China	Lombard <i>et al.</i> (2015a), Li <i>et al.</i> (2020)
A55	B4	<i>Ca. hainanensis</i>	Sphaeropedunculate	7–14	1	46 × 5	Orange to orange-brown	8	1	34 × 6	Homothallic	Asia, China	Lombard <i>et al.</i> (2015a)
A81	B4	<i>Ca. magnispora</i>	Sphaeropedunculate	9–18	1	52 × 5	Orange to orange-brown	8	1	40 × 6	Homothallic	Asia, China	Lombard <i>et al.</i> (2015a)
A106	B4	<i>Ca. parakyotensis</i>	Sphaeropedunculate	10–14	1	44 × 5	N/A	N/A	N/A	N/A	Homothallic	Asia, China	Lombard <i>et al.</i> (2015a), Li <i>et al.</i> (2020)
A115	B4	<i>Ca. pluriramosa</i>	Sphaeropedunculate	6–13	1	47 × 5	N/A	N/A	N/A	N/A	N/A	Asia, China	Lombard <i>et al.</i> (2015a)
A123	B4	<i>Ca. pseudokyotensis</i>	Pyriform to sphaeropedunculate	10–13	1	48 × 6	N/A	N/A	N/A	N/A	N/A	Asia, China	Lombard <i>et al.</i> (2015a)
A147	B4	<i>Ca. sphaeropedunculata</i>	Sphaeropedunculate	10–14	1	46 × 5	Orange to orange-brown	8	1	37 × 6	Homothallic	Asia, China	Lombard <i>et al.</i> (2015a), Li <i>et al.</i> (2020)
A5	B5	<i>Ca. aeknauliensis</i>	Sphaeropedunculate	6–13	1	47 × 5	N/A	N/A	N/A	N/A	Putative heterothallic	Asia, Indonesia	Pham <i>et al.</i> (2019), Li <i>et al.</i> (2020)
A10	B8	<i>Ca. asiatica</i>	Sphaeropedunculate	12–17	1	53 × 5	Orange to orange-brown	8	1	33 × 6	Homothallic	Asia, Thailand	Crous <i>et al.</i> (2004)
A21	B17	<i>Ca. brassicicola</i>	Sphaeropedunculate	3–5	1	42 × 5	N/A	N/A	N/A	N/A	N/A	Asia, Indonesia	Lombard <i>et al.</i> (2016)
A23	B19	<i>Ca. bumicola</i>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Homothallic	Asia, Indonesia	Pham <i>et al.</i> (2019), Li <i>et al.</i> (2020)
A24	B20	<i>Ca. canadiana*</i>	Pyriform to sphaeropedunculate	6–10	1	50 × 4	N/A	N/A	N/A	N/A	N/A	North America, Canada	Kang <i>et al.</i> (2001b), Crous (2002)
A87	B20	<i>Ca. montana</i>	Pyriform to sphaeropedunculate	4–12.5	1	43.2 × 4.6	N/A	N/A	N/A	N/A	N/A	Asia, China	Liu & Chen (2017)
A27	B23	<i>Ca. chinensis*</i>	Sphaeropedunculate	6–9	1	45 × 4	N/A	N/A	N/A	N/A	N/A	Asia, China	Crous <i>et al.</i> (2004)
A94	B23	<i>Ca. multistipitata</i>	Sphaeropedunculate	5–10	1	32 × 3.5	N/A	N/A	N/A	N/A	N/A	Asia, Vietnam	Pham <i>et al.</i> (2019)
A31	B26	<i>Ca. cochinchinensis</i>	Sphaeropedunculate	7–11	1	46 × 4	N/A	N/A	N/A	N/A	N/A	Asia, Vietnam	Pham <i>et al.</i> (2019)
A34	B29	<i>Ca. colombiensis</i>	Sphaeropedunculate	7–12	1(–3)	53 × 4.5	Orange to orange-brown	8	1	33 × 5	Homothallic	South America, Colombia	Crous <i>et al.</i> (2004), Li <i>et al.</i> (2020)
A36	B31	<i>Ca. curvispora*</i>	Sphaeropedunculate	5–10	1(–3)	60 × 5	N/A	N/A	N/A	N/A	Putative heterothallic	Africa, Madagascar	Victor <i>et al.</i> (1997), Crous (2002), Li <i>et al.</i> (2020)
A166	B31	<i>Ca. vegrandis</i>	Sphaeropedunculate	2–4	1	41 × 4.5	N/A	N/A	N/A	N/A	Putative heterothallic	Asia, Indonesia	Pham <i>et al.</i> (2019), Li <i>et al.</i> (2020)
A58	B46	<i>Ca. heveicola</i>	Sphaeropedunculate	7–10	1	44.5 × 4	Orange to orange-brown	8	1	34 × 5	Heterothallic	Asia, Vietnam	Pham <i>et al.</i> (2019), Li <i>et al.</i> (2020)
A61	B48	<i>Ca. hongkongensis</i>	Sphaeropedunculate	8–14	1	46.5 × 4	Orange to red-brown	8	1	31 × 6	Homothallic	Asia, China	Crous <i>et al.</i> (2004), Li <i>et al.</i> (2020)
A64	B51	<i>Ca. ilicicola</i>	Sphaeropedunculate	6–12	1(–3)	62 × 6	Orange to red	8	1(–3)	45 × 6	Homothallic	Asia, Indonesia	Boedijn & Reitsma (1950), Alfieri <i>et al.</i> (1982), Crous (2002)
A65	B52	<i>Ca. indonesiae</i>	Sphaeropedunculate	7–9	1	50.5 × 4	N/A	N/A	N/A	N/A	Putative heterothallic	Asia, Indonesia	Crous <i>et al.</i> (2004), Li <i>et al.</i> (2020)
A69	B55	<i>Ca. kytensis*</i>	Globose	8.8–19	1	41 × 4	Orange to red to red-brown	8	1	29 × 6	Homothallic	Asia, Japan	Terashita (1968), Sobers (1972), Crous (2002)

A46	B55	<i>Ca. floridana</i>	Globose to subglobose	8.3–17.9	1	46 × 4.3	Orange to reddish brown	8	1	36.6 × 7.1	Homothallic	North America, USA	Sobers & Seymour (1967), Sobers (1969), Crous (2002)
A132	B55	<i>Ca. pseudoturagicola</i>	Sphaeropedunculate	4.5–12	1	40 × 3.5	Orange to orange-brown	8	1(–3)	31 × 6.5	Homothallic	Asia, China	Li <i>et al.</i> (2017, 2020)
A162	B55	<i>Ca. turagicola</i>	Sphaeropedunculate	8–12	1	44 × 4	N/A	N/A	N/A	N/A	Homothallic	Asia, China	Lombard <i>et al.</i> (2015a), Li <i>et al.</i> (2020)
A71	B57	<i>Ca. lantauensis</i>	Sphaeropedunculate	7.5–17.5	1	55 × 5	N/A	N/A	N/A	N/A	Putative heterothallic	Asia, China	Li <i>et al.</i> (2017, 2020)
A72	B58	<i>Ca. lateralis</i>	Sphaeropedunculate	9–13	1	39 × 4	N/A	N/A	N/A	N/A	Homothallic	Asia, China	Lombard <i>et al.</i> (2015a), Li <i>et al.</i> (2020)
A82	B66	<i>Ca. malesiana</i>	Sphaeropedunculate to globose	8–15	1	47.5 × 4	N/A	N/A	N/A	N/A	Putative heterothallic	Asia, Indonesia	Crous <i>et al.</i> (2004), Li <i>et al.</i> (2020)
A102	B80	<i>Ca. pacifica</i>	Sphaeropedunculate	7–15	1	55 × 4.5	N/A	N/A	N/A	N/A	N/A	North America, USA	Kang <i>et al.</i> (2001b), Crous (2002)
A110	B86	<i>Ca. penicilloides</i>	N/A	N/A	3	33–62 × 4–6	N/A	N/A	N/A	N/A	N/A	Asia, Japan	Tubaki (1958), Crous (2002)
A150	B112	<i>Ca. sumatrensis</i> *	Sphaeropedunculate	8–13	1	58 × 5	N/A	N/A	N/A	N/A	Putative heterothallic	Asia, Indonesia	Crous <i>et al.</i> (2004), Li <i>et al.</i> (2020)
A66	B112	<i>Ca. indonesiana</i>	Sphaeropedunculate	8–10	1	43 × 5	N/A	N/A	N/A	N/A	N/A	Asia, Indonesia	Lombard <i>et al.</i> (2016)
A151	B113	<i>Ca. syzygiicola</i>	Sphaeropedunculate	3–6	1	45 × 5	N/A	N/A	N/A	N/A	N/A	Asia, Indonesia	Lombard <i>et al.</i> (2016)
A163	B116	<i>Ca. uniseptata</i>	Globose	8.2–20.4	1	N/A	Orange to reddish brown	N/A	2–3	41.5 × 6.3	N/A	Europe, Germany	Gerlach (1968), Sobers (1972)
A168	B120	<i>Ca. yunnanensis</i> *	Sphaeropedunculate	2–4.5	1	43 × 4.5	Orange to orange-brown	8	1(–3)	36 × 6	Homothallic	Asia, China	Li <i>et al.</i> (2017, 2020)
A135	B120	<i>Ca. pseudoyunnanensis</i>	Sphaeropedunculate	2.5–5	1	47.5 × 5	N/A	N/A	N/A	N/A	Homothallic	Asia, China	Li <i>et al.</i> (2017, 2020)
7. <i>Calonectria mexicana</i> species complex													
A13	B11	<i>Ca. avesiculata</i>	Acicular to clavate	1–4	1(–3)	64 × 5	Orange to red	8	1(–3)	40 × 6	Heterothallic	North America, USA	Schubert <i>et al.</i> (1989), Crous (2002)
A28	B24	<i>Ca. citri</i>	Narrowly ellipsoidal to pyriform or obovoid to sphaeropedunculate	4–10	1(–3)	58 × 4	N/A	N/A	N/A	N/A	N/A	North America, USA	Crous (2002)
A73	B59	<i>Ca. lauri sp. nov.</i>	Obpyriform to ellipsoidal	5–10	1(–3)	60 × 5.5	Yellow to brownish-yellow	8	3	73 × 7.5	Homothallic	Europe, Netherlands	Lechat <i>et al.</i> (2010), Li <i>et al.</i> (2020)
A75	B61	<i>Ca. leucothoes</i>	Ellipsoidal to obpyriform	6–11.5	1(–3)(–6)	73 × 5	N/A	N/A	N/A	N/A	Heterothallic	North America, USA	El-Gholl <i>et al.</i> (1989), Crous (2002), Li <i>et al.</i> (2020)
A85	B69	<i>Ca. mexicana</i>	Broadly ellipsoidal with papillate apex	7–12	1	45 × 4	Orange to red	8	1	50 × 5.5	Heterothallic	North America, Mexico	Schoch <i>et al.</i> (1999), Crous (2002)
A125	B94	<i>Ca. pseudomexicana</i> *	Fusiform to broadly ellipsoidal, with papillate apex	9–14	1	45 × 5	N/A	N/A	N/A	N/A	Putative heterothallic	Africa, Tunisia	Lombard <i>et al.</i> (2011), Li <i>et al.</i> (2020)
A161	B94	<i>Ca. tunisiana</i>	Fusiform to broadly ellipsoidal, with papillate apex	8–14	1	49 × 5	N/A	N/A	N/A	N/A	N/A	Africa, Tunisia	Lombard <i>et al.</i> (2011)
A133	B100	<i>Ca. pseudouxmalensis</i>	Obpyriform to ellipsoidal, sometimes with a papillate apex	5–9	1	29 × 3	N/A	N/A	N/A	N/A	Putative heterothallic	North America, Mexico	Lombard <i>et al.</i> (2016), Li <i>et al.</i> (2020)
A164	B117	<i>Ca. uxmalensis</i>	Obpyriform to ellipsoidal, sometimes with a papillate apex	5–8	1	30 × 3	N/A	N/A	N/A	N/A	N/A	North America, Mexico	Lombard <i>et al.</i> (2016)
8. <i>Calonectria naviculata</i> species complex													
A57	B45	<i>Ca. henricotiae</i>	Naviculate	3.8–10.9	1	56 × 5.6	N/A	N/A	N/A	N/A	Heterothallic	Europe, Belgium	Ghesquiere <i>et al.</i> (2015), Li <i>et al.</i> (2020)
A90	B71	<i>Ca. multilateralis</i>	Naviculate	4–8	1	33 × 3	N/A	N/A	N/A	N/A	N/A	North America, Mexico	Lombard <i>et al.</i> (2016)

A91	B72	<i>Ca. multinaviculata</i>	Naviculate	4–7	1	46 × 3.5	N/A	N/A	N/A	N/A	N/A	South America, Brazil	Alfenas <i>et al.</i> (2015)
A92	B73	<i>Ca. multiphalidica</i>	Clavate to sphaeropedunculate	8–16	1	53 × 4.5	N/A	N/A	N/A	N/A	N/A	Africa, Cameroon	Crous <i>et al.</i> (2004)
A95	B75	<i>Ca. naviculata</i>	Naviculate to ellipsoidal	5–11	1	45 × 3	Red-brown	2–8	3	40 × 5	Heterothallic	South America, Brazil	Crous <i>et al.</i> (1997a), Crous (2002), Li <i>et al.</i> (2020)
A126	B95	<i>Ca. pseudonaviculata</i>	Naviculate	4–8	1(–3)	60 × 5	N/A	N/A	N/A	N/A	Heterothallic	Oceania, New Zealand	Crous <i>et al.</i> (2002), Li <i>et al.</i> (2020)
9. <i>Calonectria pteridis</i> species complex													
A6	B6	<i>Ca. amazonica</i> *	Clavate	5–6	1(–3)	79 × 5	N/A	N/A	N/A	N/A	Heterothallic	South America, Brazil	Lombard <i>et al.</i> (2016), Li <i>et al.</i> (2020)
A7	B6	<i>Ca. amazoniensis</i>	Clavate	5–7	1	69 × 4	N/A	N/A	N/A	N/A	N/A	South America, Brazil	Lombard <i>et al.</i> (2016)
A77	B6	<i>Ca. longiramosa</i>	Clavate	5–8	1	71 × 5	N/A	N/A	N/A	N/A	N/A	South America, Brazil	Marin-Felix <i>et al.</i> (2017)
A159	B6	<i>Ca. tropicalis</i>	Clavate	5–6	1(–3)	80 × 5	N/A	N/A	N/A	N/A	N/A	South America, Brazil	Lombard <i>et al.</i> (2016)
A51	B41	<i>Ca. gordoniae</i>	Narrowly clavate	3–6	1(–3)	62 × 5	N/A	N/A	N/A	N/A	N/A	North America, USA	Leahy <i>et al.</i> (2000), Crous (2002)
A101	B79	<i>Ca. ovata</i> *	Ovate	8–14	1(–3)	70 × 5	Orange to red-brown	8	1–3(–7)	60 × 5.5	Heterothallic	South America, Brazil	El-Gholl <i>et al.</i> (1993a), Crous (2002), Li <i>et al.</i> (2020)
A96	B79	<i>Ca. nemoralis</i>	Fusiform to ovoid	7–9	1	53 × 4	N/A	N/A	N/A	N/A	N/A	South America, Brazil	Marin-Felix <i>et al.</i> (2017)
A153	B79	<i>Ca. tereticornis</i>	Fusiform to ovoid	8–14	1	59 × 5	N/A	N/A	N/A	N/A	N/A	South America, Brazil	Lombard <i>et al.</i> (2016)
A160	B79	<i>Ca. tucuruensis</i>	Fusiform to ovoid	9–12	1	63 × 5	N/A	N/A	N/A	N/A	N/A	South America, Brazil	Marin-Felix <i>et al.</i> (2017)
A127	B96	<i>Ca. pseudopteridis</i>	Clavate	5.4–7.5	1	87.5 × 5.7	N/A	N/A	N/A	N/A	Putative heterothallic	North America, USA	Sobers (1968), Alfenas <i>et al.</i> (2015), Li <i>et al.</i> (2020)
A134	B101	<i>Ca. pseudovata</i>	Fusiform, ovate to ellipsoidal	8–12	1	69 × 5	N/A	N/A	N/A	N/A	N/A	South America, Brazil	Alfenas <i>et al.</i> (2015)
A136	B102	<i>Ca. pteridis</i>	Clavate to narrowly ellipsoidal	4–6	1(–3)	82 × 5.5	Red-brown	8	1(–3)	52 × 6	N/A	North America, USA	Crous <i>et al.</i> (1993c), Crous (2002)
A156	B114	<i>Ca. terricola</i>	Fusiform to ovoid	8–12	1	46 × 4.5	N/A	N/A	N/A	N/A	N/A	South America, Brazil	Lombard <i>et al.</i> (2016)
10. <i>Calonectria reteaudii</i> species complex													
A1	B1	<i>Ca. acaciicola</i>	Narrowly clavate	4–7	5	94 × 7	N/A	N/A	N/A	N/A	Putative heterothallic	Asia, Vietnam	Pham <i>et al.</i> (2019), Li <i>et al.</i> (2020)
A2	B2	<i>Ca. acicola</i>	Narrowly clavate	N/A	5–7	75 × 7	Red to red-brown	8	3–4	70 × 6	Homothallic	Oceania, New Zealand	Gadgil & Dick (2004), Lombard <i>et al.</i> (2010a)
A12	B10	<i>Ca. australiensis</i>	Clavate	3.5–6	1(–)3	63 × 6.5	N/A	N/A	N/A	N/A	N/A	Oceania, Australia	Crous <i>et al.</i> (2006)
A35	B30	<i>Ca. crousiana</i>	Clavate	4–6	1(–)3	64 × 5	Orange to red-brown	8	1(–)3	64 × 7	Homothallic	Asia, China	Chen <i>et al.</i> (2011), Li <i>et al.</i> (2020)
A154	B63	<i>Ca. lombardiana</i> sp. nov.	Narrowly clavate	2–4	5	80 × 6	N/A	N/A	N/A	N/A	N/A	Oceania, Australia	Lombard <i>et al.</i> (2010c), this study
A93	B74	<i>Ca. multiseptata</i>	N/A	N/A	N/A	N/A	Orange to orange-red	8	1(–)3–6(–9)	70 × 6.5	Homothallic	Asia, Indonesia	Crous (2002)
A128	B97	<i>Ca. pseudoreteaudii</i> *	Narrowly clavate	3–5	5–8	104 × 8	N/A	N/A	N/A	N/A	Heterothallic	Asia, China	Lombard <i>et al.</i> (2010c), Li <i>et al.</i> (2020)
A86	B97	<i>Ca. microconidialis</i>	Narrowly clavate	3–7	4–6(–7)	88 × 8	N/A	N/A	N/A	N/A	N/A	Asia, China	Lombard <i>et al.</i> (2015a)
A111	B97	<i>Ca. pentaseptata</i>	Narrowly clavate	2–6	5(–8)	98 × 7	N/A	N/A	N/A	N/A	Putative heterothallic	Asia, Vietnam	Crous <i>et al.</i> (2012), Li <i>et al.</i> (2020)
A138	B104	<i>Ca. queenslandica</i> *	Narrowly clavate	3–4	4–6	69 × 6	N/A	N/A	N/A	N/A	N/A	Oceania, Australia	Lombard <i>et al.</i> (2010c)
A154	B104	<i>Ca. terrae-reginae</i>	Narrowly clavate	3–5	4–6	76 × 6	N/A	N/A	N/A	N/A	N/A	Oceania, Australia	Lombard <i>et al.</i> (2010c)
A140	B106	<i>Ca. reteaudii</i> *	Clavate	3–6	1(–)5(–6)	84 × 6.5	Orange to red-brown	8	1(–)3(–5)	70 × 5.5	Heterothallic	Asia, Vietnam	Kang <i>et al.</i> (2001a), Crous (2002)

A14	B106	<i>Ca. baviensis</i>	Narrowly clavate	3–6	5	96 × 6.5	N/A	N/A	N/A	N/A	Putative heterothallic	Asia, Vietnam	Pham <i>et al.</i> (2019), Li <i>et al.</i> (2020)
11. <i>Calonectria spathiphylli</i> species complex													
A38	B33	<i>Ca. densa</i>	Ovoid to ellipsoidal to sphaeropedunculate	10–12	1	54 × 6	N/A	N/A	N/A	N/A	Putative heterothallic	South America, Ecuador	Lombard <i>et al.</i> (2010a), Li <i>et al.</i> (2020)
A62	B49	<i>Ca. humicola</i>	Globose to ovoid to sphaeropedunculate	10–12	1	51 × 5	N/A	N/A	N/A	N/A	N/A	South America, Ecuador	Lombard <i>et al.</i> (2010a)
A130	B98	<i>Ca. pseudospathiphylli</i>	Sphaeropedunculate to ellipsoidal	8–12	1(–3)	52 × 4	Orange to red	8	1(–3)	42 × 5.5	Homothallic	South America, Ecuador	Kang <i>et al.</i> (2001b), Crous (2002)
A145	B110	<i>Ca. spathiphylli</i>	Globoid or ellipsoidal to obpyriform	8–15	1(–3)	70 × 6	Orange to red	2–8	1(–3)	45 × 5	Heterothallic	North America, USA	El-Gholl <i>et al.</i> (1992), Crous (2002)

¹A: Represent the codes of the 169 *Calonectria* species before revision.

²B: Represent the codes of the 120 *Calonectria* species after revision.

³Synonymous species were marked in bold and blue, and the * indicated the species after synonymy.

⁴Vesicle shape within *Calonectria* genus were mainly divided into six categories and marked in different colour: clavate or narrowly clavate vesicle/light green, naviculate vesicle/green, ellipsoidal to obpyriform vesicle/dark green, ellipsoidal vesicle with papillate apex/yellow, sphaeropedunculate vesicle/orange; species complexes with varied vesicle shapes were not marked in any colour.

⁵Macroconidial septation within *Calonectria* genus were divided into three categories and marked in three colour: 1-septate/light green, 3-septate/green, > 3-septate/dark green.

⁶Perithecia colour within *Calonectria* genus were mainly divided into two categories and marked in two colour: orange to red-brown perithecia/light green, yellow perithecia/green.

⁷Number of ascospores produced in ascus within *Calonectria* genus were mainly divided into three categories and marked in different colour: 4-spored asci/light green, 8-spored asci/green, not 4-spored or 8-spored asci were not marked in any colour.

⁸Ascospores septation within *Calonectria* genus were mainly divided into three categories and marked in three colour: 1-septate/light green, 3-septate/green, > 3-septate/dark green.

⁹The ex-type isolates of *Calonectria* spp. collected from six continents were marked in six different colour: Africa/light green, Asia/green, Europe/dark green, North America/yellow, Oceania/orange, South America/dark orange.

¹⁰The mating system of *Calonectria* spp. were marked in two colour: heterothallic or putative heterothallic/light green, homothallic/green.

¹¹N/A: information are not available.

Table S5. Identification success rates based on phylogenetic analyses for separate and combined DNA barcodes.

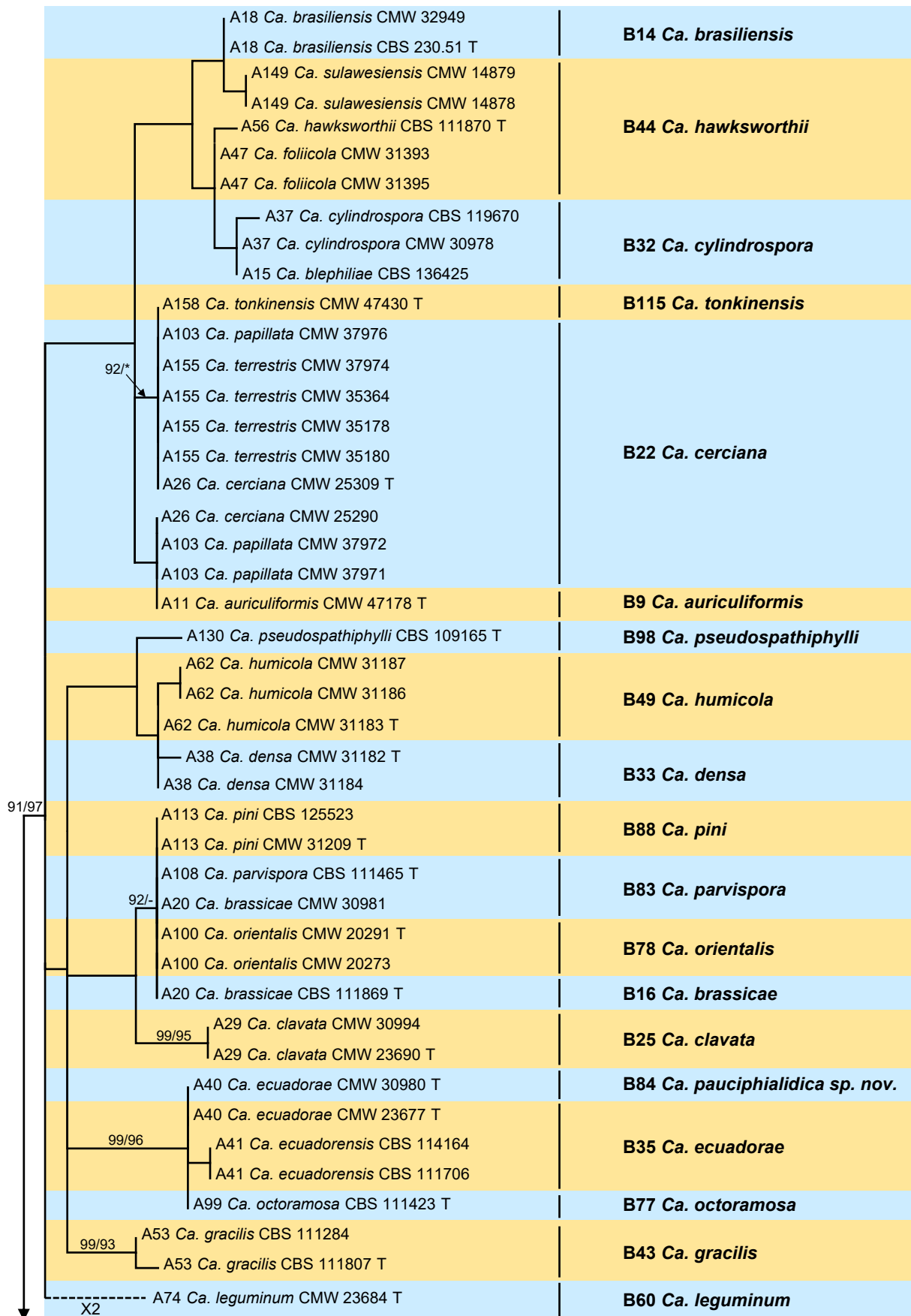
Genus or species complex code	Genus or species name	Species numbers and Identification success rates	Combination of eight genes ¹	Each of eight DNA barcodes ²							
				<i>act</i>	<i>cmdA</i>	<i>his3</i>	ITS	LSU	<i>rpb2</i>	<i>tef1</i>	<i>tub2</i>
genus	<i>Calonectria</i> genus	Number of species (A)	120	89	118	113	99	98	88	119	111
		Number of identified species (B)	120	55	96	85	29	27	64	106	98
		Identification success rates (B/A)%	100%	61.8%	81.4%	75.2%	29.3%	27.6%	72.7%	89.1%	88.3%
1	<i>Ca. brassicae</i> species complex	Number of species (A)	16	9	16	15	11	11	11	16	16
		Number of identified species (B)	16	2	10	9	2	1	5	11	12
		Identification success rates (B/A)%	100%	22.2%	62.5%	60.0%	18.2%	9.1%	45.5%	68.8%	75.0%
2	<i>Ca. candelabrum</i> species complex	Number of species (A)	18	9	18	18	9	9	8	18	18
		Number of identified species (B)	18	5	12	10	0	2	3	14	11
		Identification success rates (B/A)%	100%	55.6%	66.7%	55.6%	0.0%	22.2%	37.5%	77.8%	61.1%
3	<i>Ca. colhounii</i> species complex	Number of species (A)	11	9	11	9	11	11	10	11	11
		Number of identified species (B)	11	5	9	7	4	2	6	11	11
		Identification success rates (B/A)%	100%	55.6%	81.8%	77.8%	36.4%	18.2%	60.0%	100.0%	100%
4	<i>Ca. cylindrospora</i> species complex	Number of species (A)	12	7	12	11	10	10	10	12	12
		Number of identified species (B)	12	4	10	6	2	0	8	12	10
		Identification success rates (B/A)%	100%	57.1%	83.3%	54.5%	20.0%	0.0%	80.0%	100.0%	83.3%
5	<i>Ca. gracilipes</i> species complex	Number of species (A)	5	5	5	5	5	5	4	5	5
		Number of identified species (B)	5	5	5	5	3	2	4	5	5
		Identification success rates (B/A)%	100%	100%	100%	100%	60.0%	40.0%	100%	100%	100%
6	<i>Ca. kyotensis</i> species complex	Number of species (A)	24	22	23	22	22	22	19	24	17
		Number of identified species (B)	24	13	23	22	6	6	16	24	17
		Identification success rates (B/A)%	100%	59.1%	100.0%	100.0%	27.3%	27.3%	84.2%	100.0%	100.0%
7	<i>Ca. mexicana</i> species complex	Number of species (A)	8	8	8	8	8	8	7	8	7
		Number of identified species (B)	8	8	6	5	3	6	5	6	7
		Identification success rates (B/A)%	100%	100.0%	75.0%	62.5%	37.5%	75.0%	71.4%	75.0%	100.0%
8	<i>Ca. naviculata</i> species complex	Number of species (A)	6	3	6	6	5	4	4	5	6
		Number of identified species (B)	6	3	6	6	1	3	4	5	6
		Identification success rates (B/A)%	100%	100%	100%	100.0%	20.0%	75.0%	100%	100%	100%
9	<i>Ca. pteridis</i> species complex	Number of species (A)	7	5	6	6	5	5	4	7	6
		Number of identified species (B)	7	3	6	4	1	3	4	7	6
		Identification success rates (B/A)%	100%	60.0%	100.0%	66.7%	20.0%	60.0%	100%	100.0%	100%

10	<i>Ca. reteaudii</i> species complex	Number of species (A)	9	9	9	9	9	9	9	9	
		Number of identified species (B)	9	4	5	7	5	2	7	7	9
		Identification success rates (B/A)%	100%	44.4%	55.6%	77.8%	55.6%	22.2%	77.8%	77.8%	100%
11	<i>Ca. spathiphylli</i> species complex	Number of species (A)	4	3	4	4	4	4	2	4	4
		Number of identified species (B)	4	3	4	4	2	0	2	4	4
		Identification success rates (B/A)%	100%	100.0%	100.0%	100.0%	50.0%	0.0%	100%	100%	100%

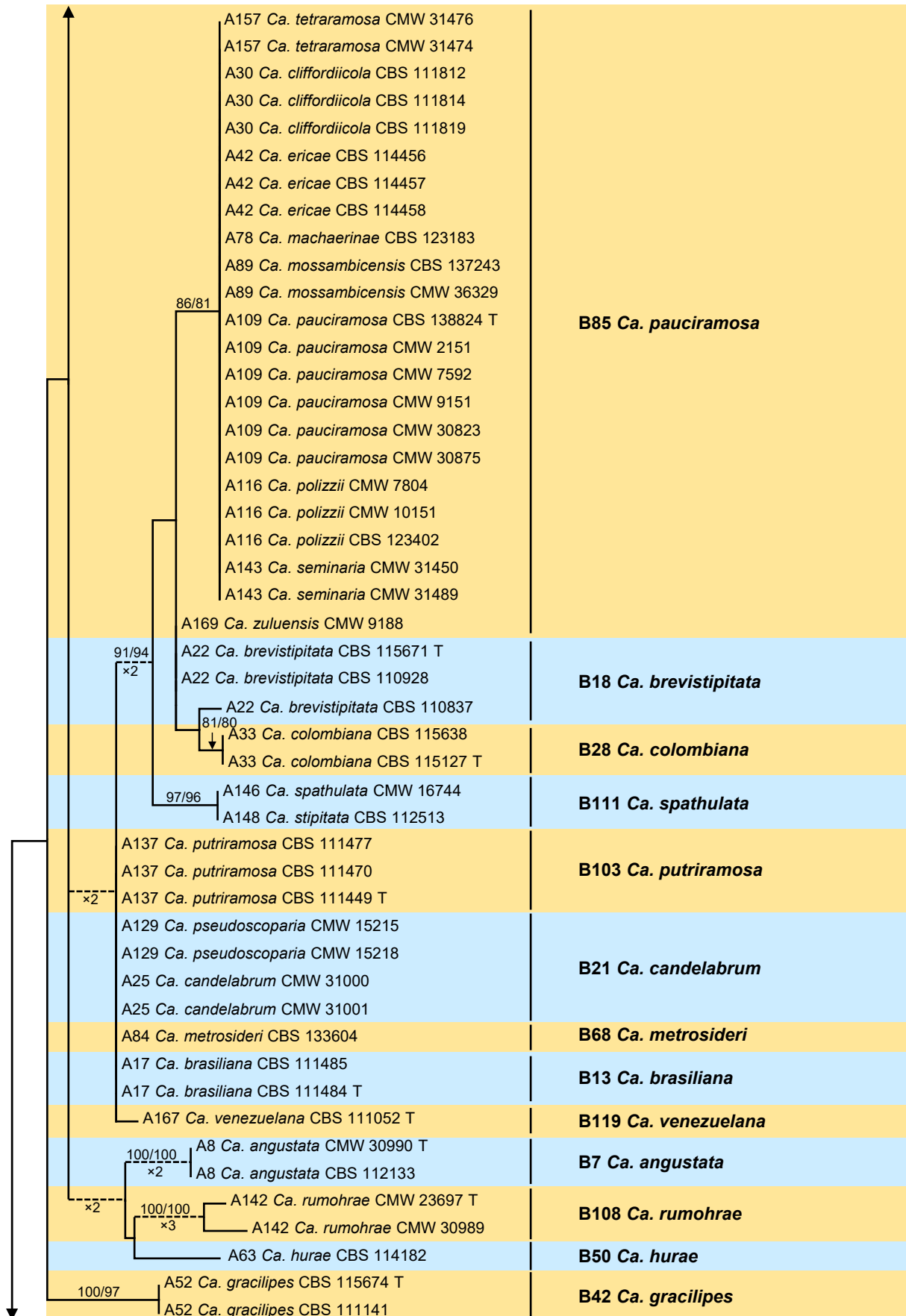
¹Combination of eight genes: *act. cmdA* . *his3* . ITS . LSU . *rpb2* . *tef1* and *tub2* .

²Four of the most successful barcodes within *Calonectria* and each species complex were marked in colour; different colours indicate identification success rates in different ranges, 80% ≤ (B/A)% in orange, 70% ≤ (B/A)% < 80% in dark green, 60% ≤ (B/A)% < 70% in light green, 50% ≤ (B/A)% < 60% in dark blue.

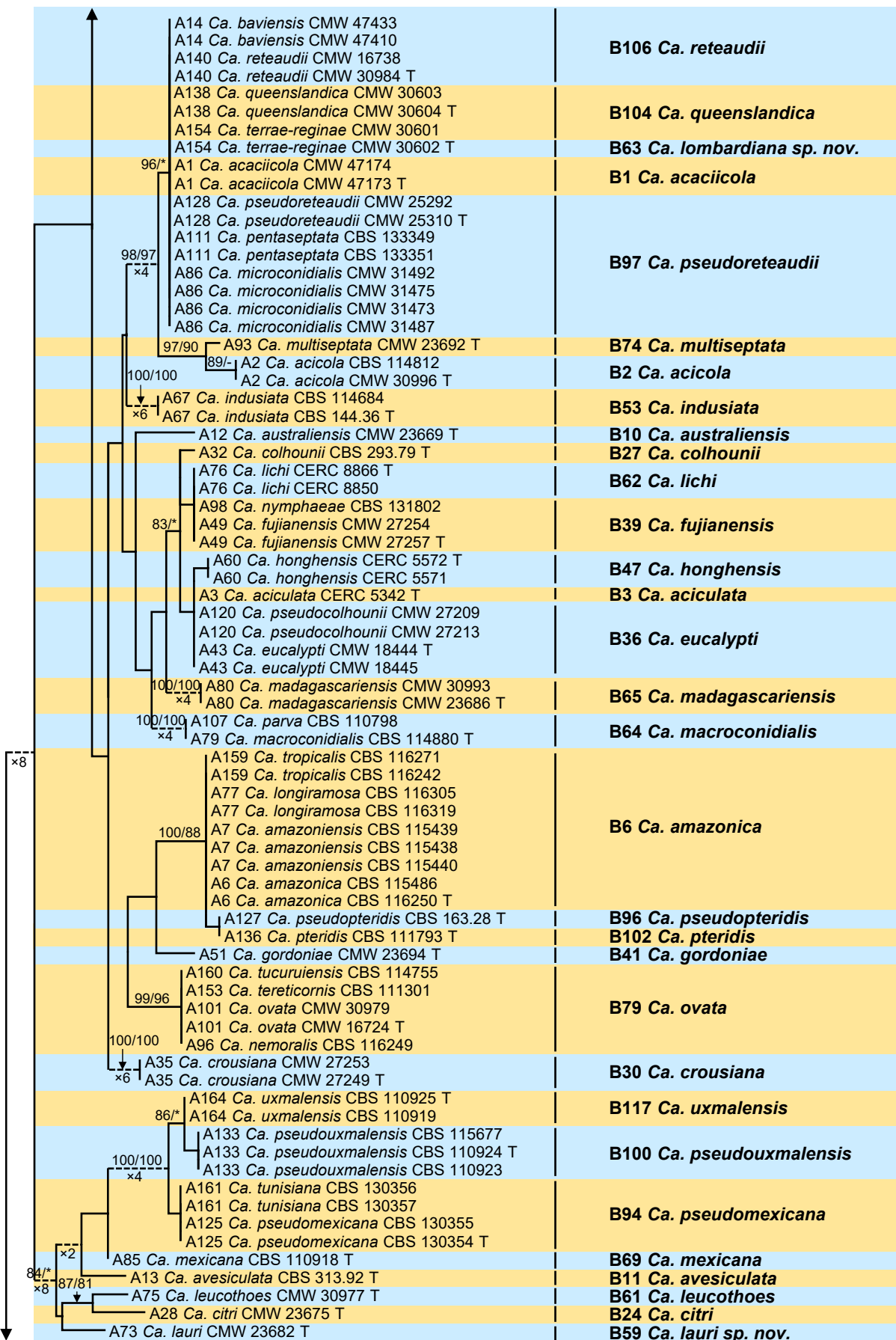
Supplementary Fig. S1 act



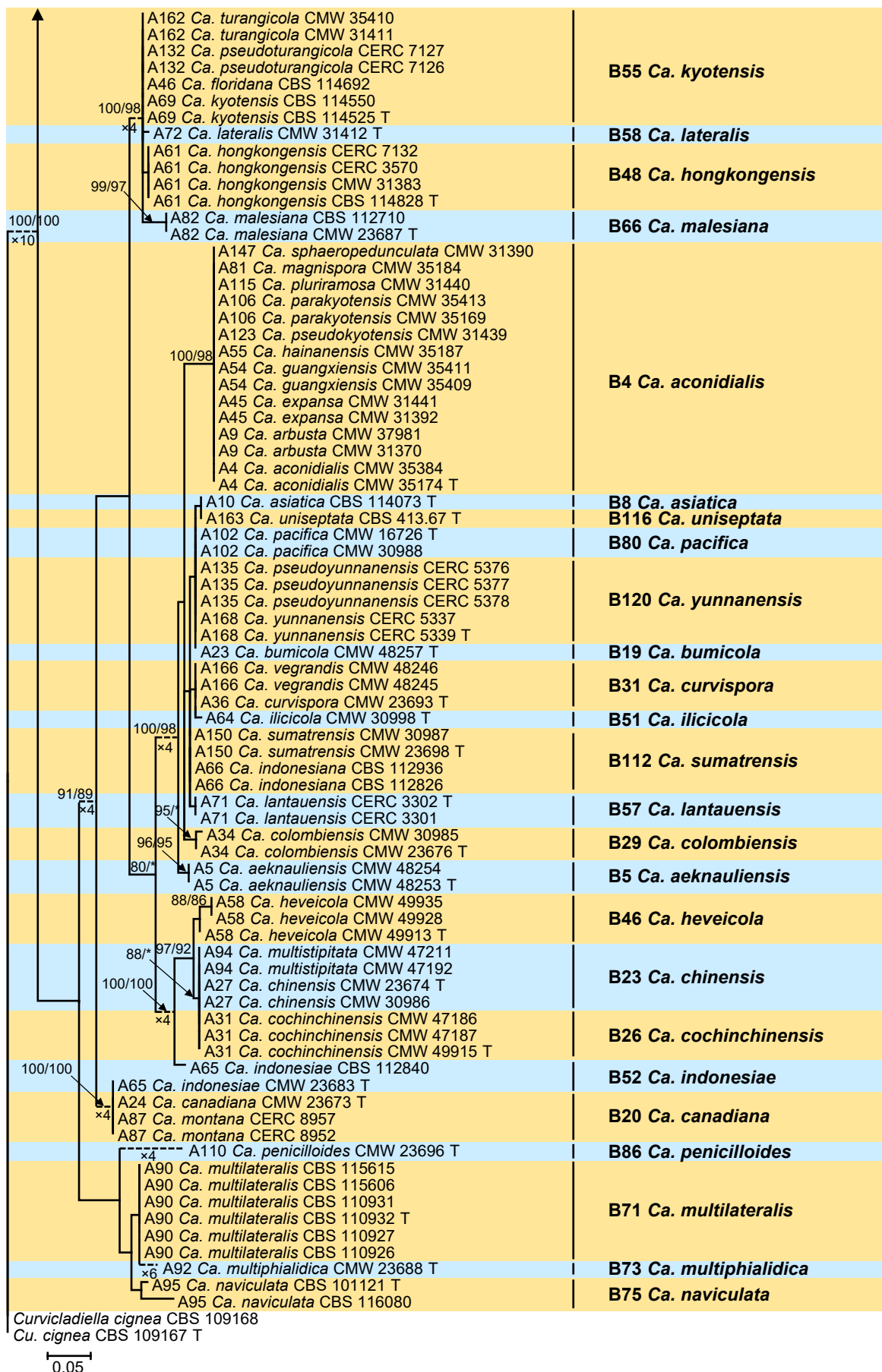
Supplementary Fig. S1 *act*



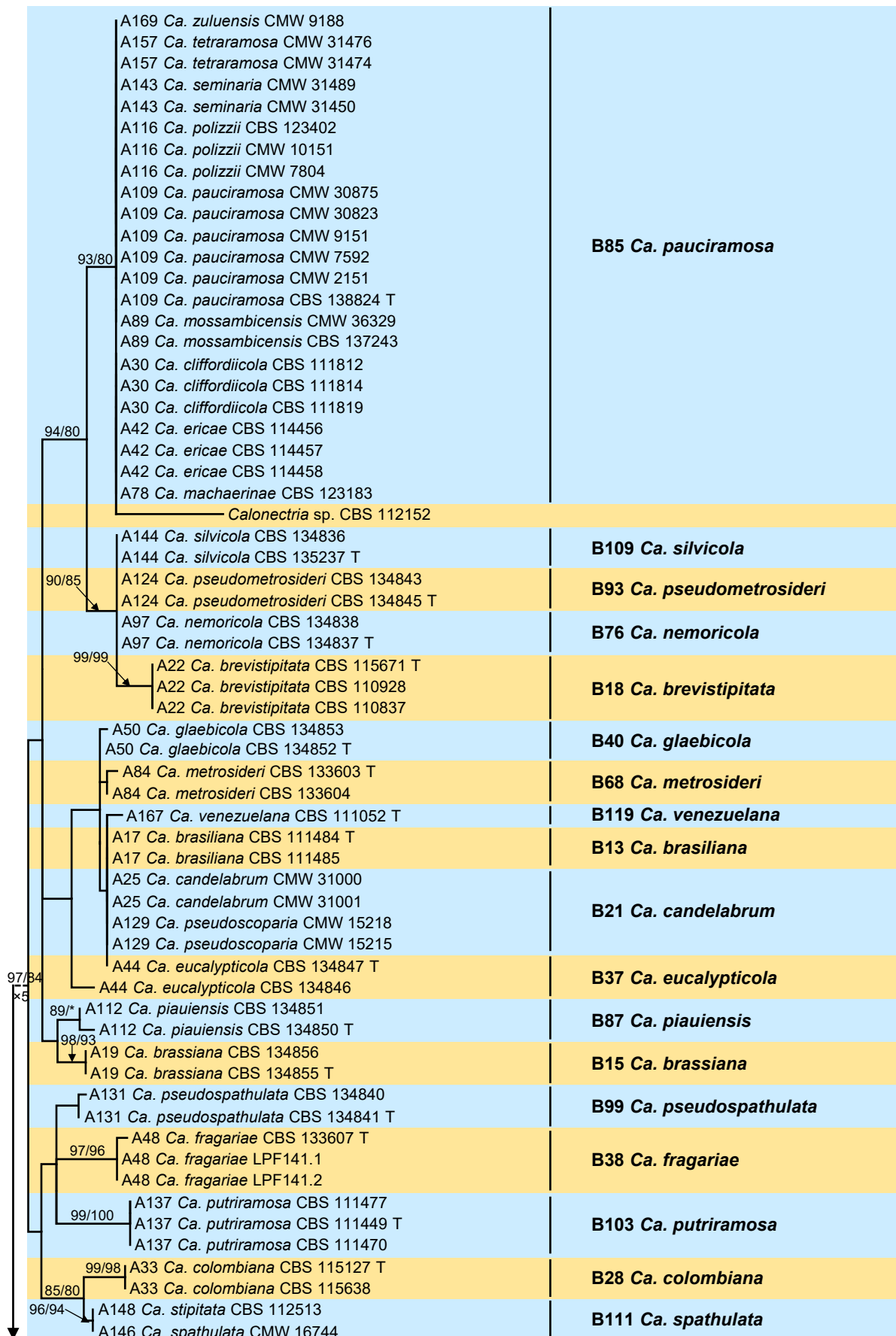
Supplementary Fig. S1 *act*



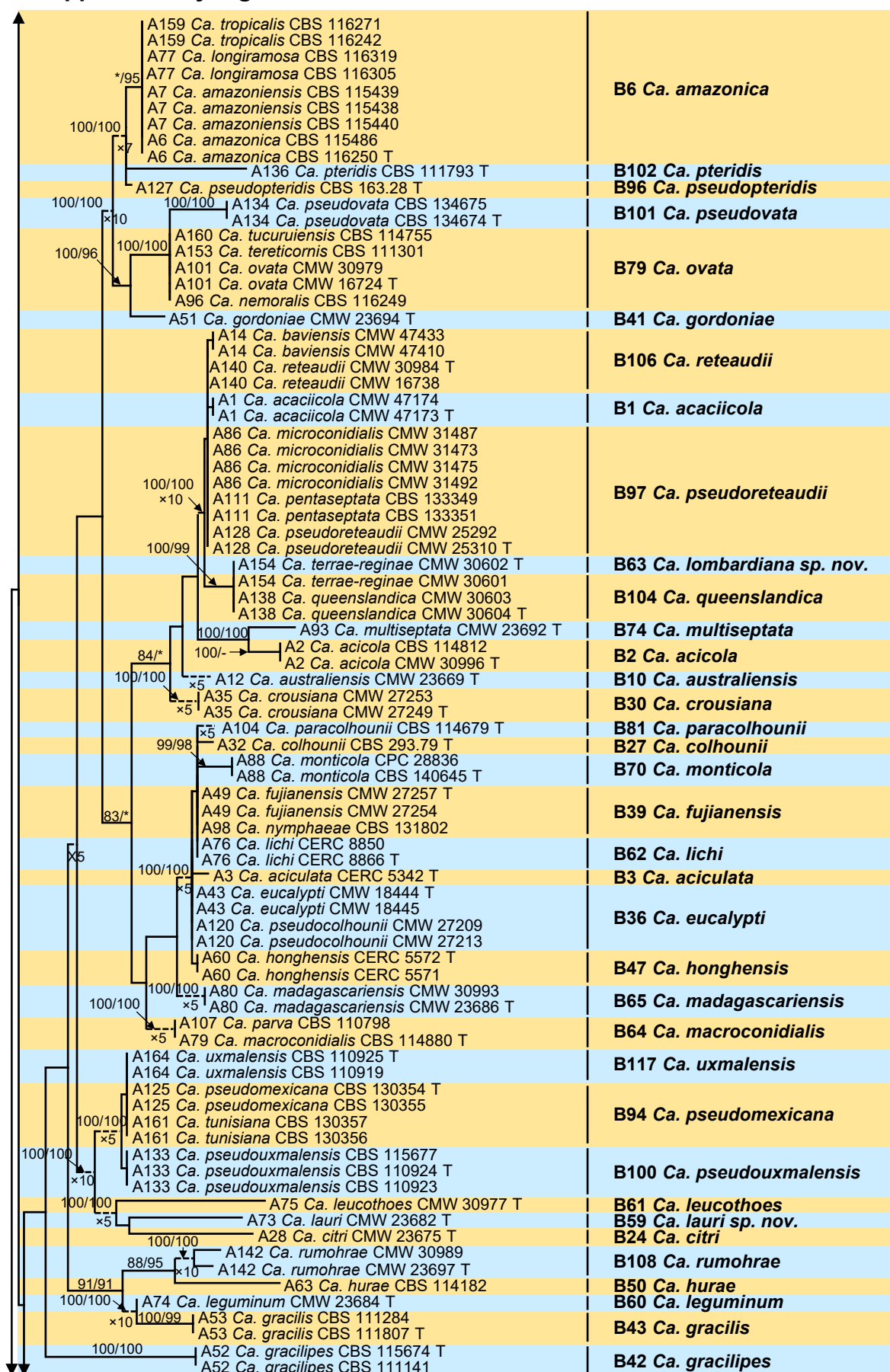
Supplementary Fig. S1 act



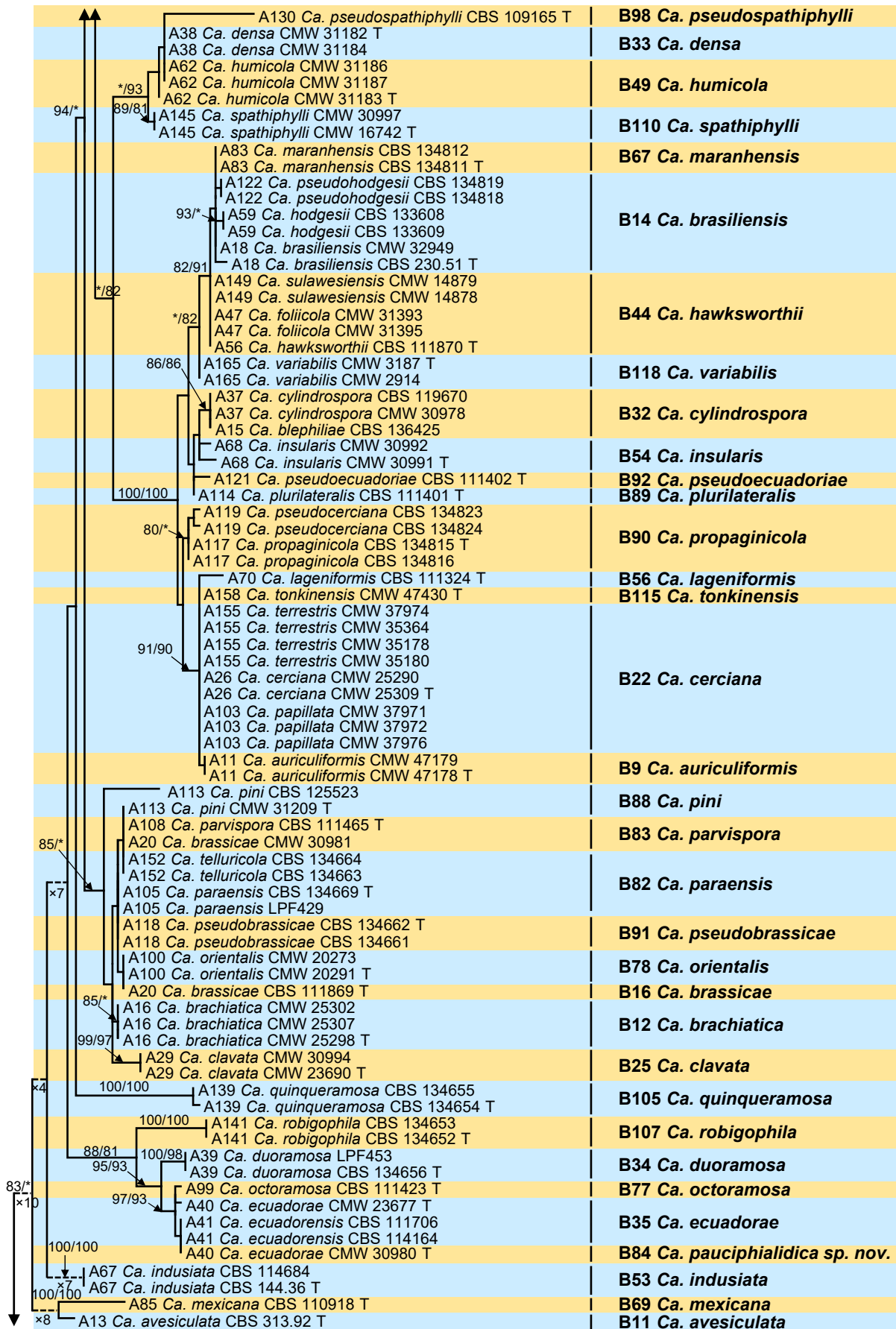
Supplementary Fig. S2 *cmdA*



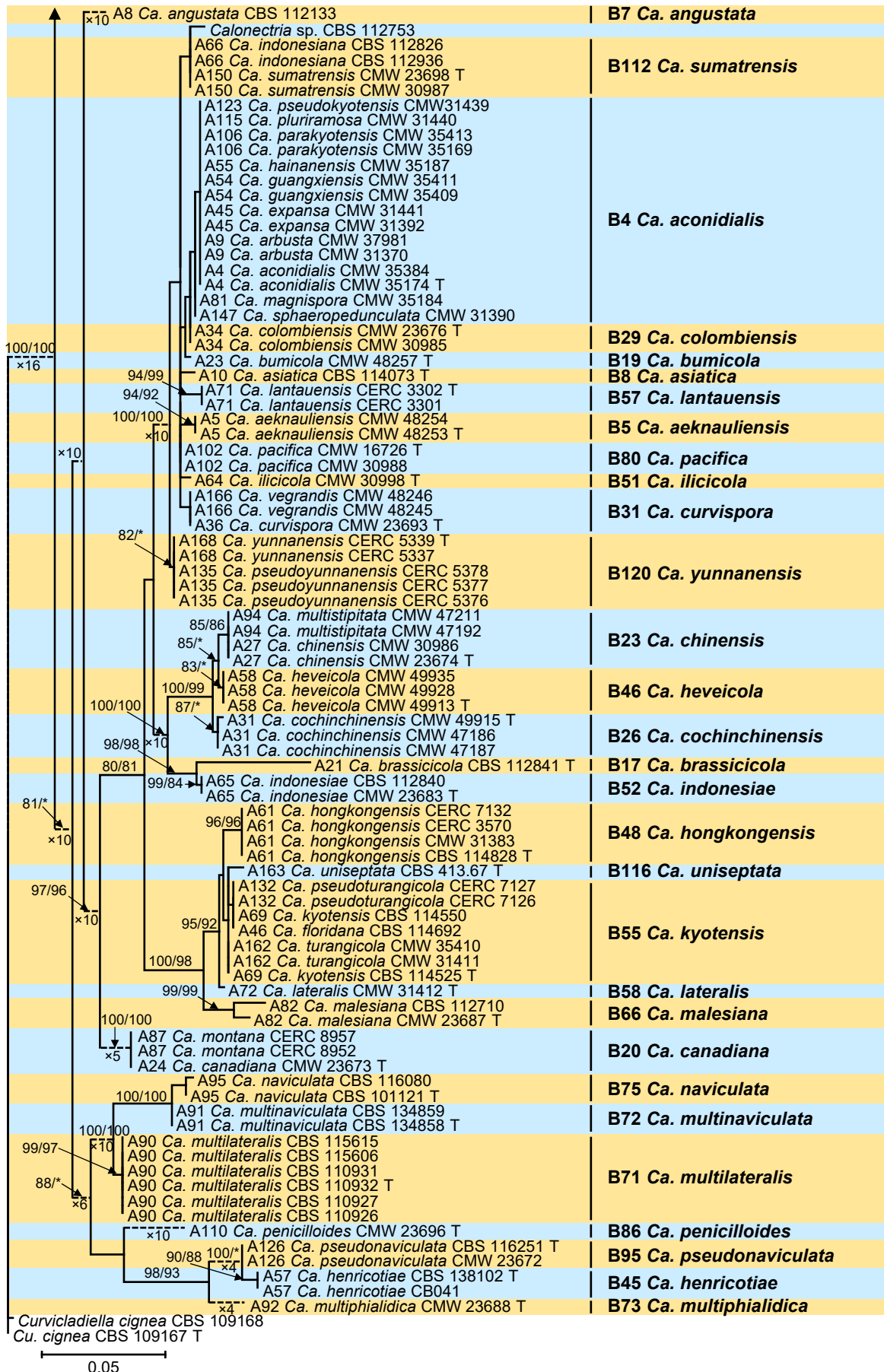
Supplementary Fig. S2 *cmdA*



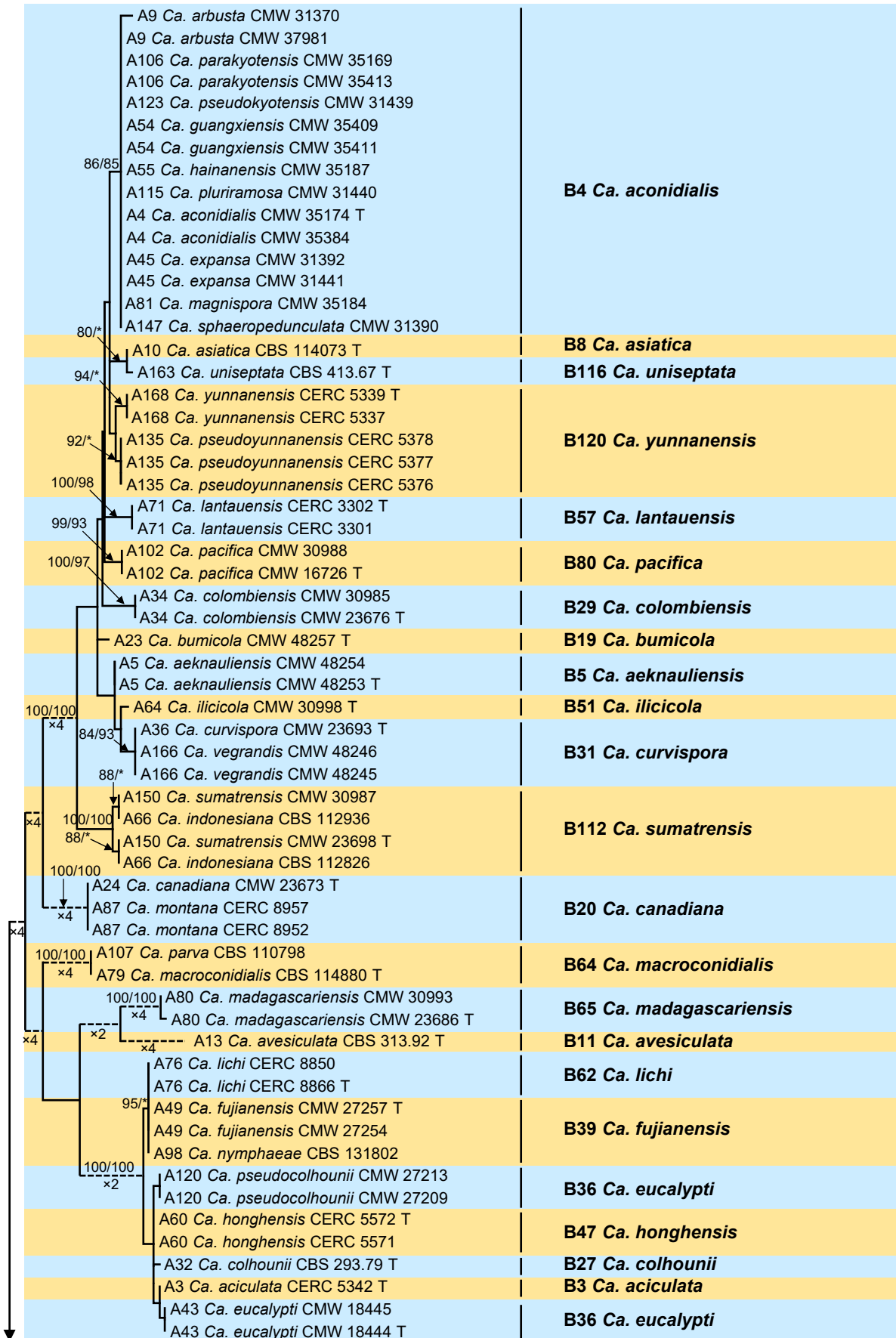
Supplementary Fig. S2 *cmdA*



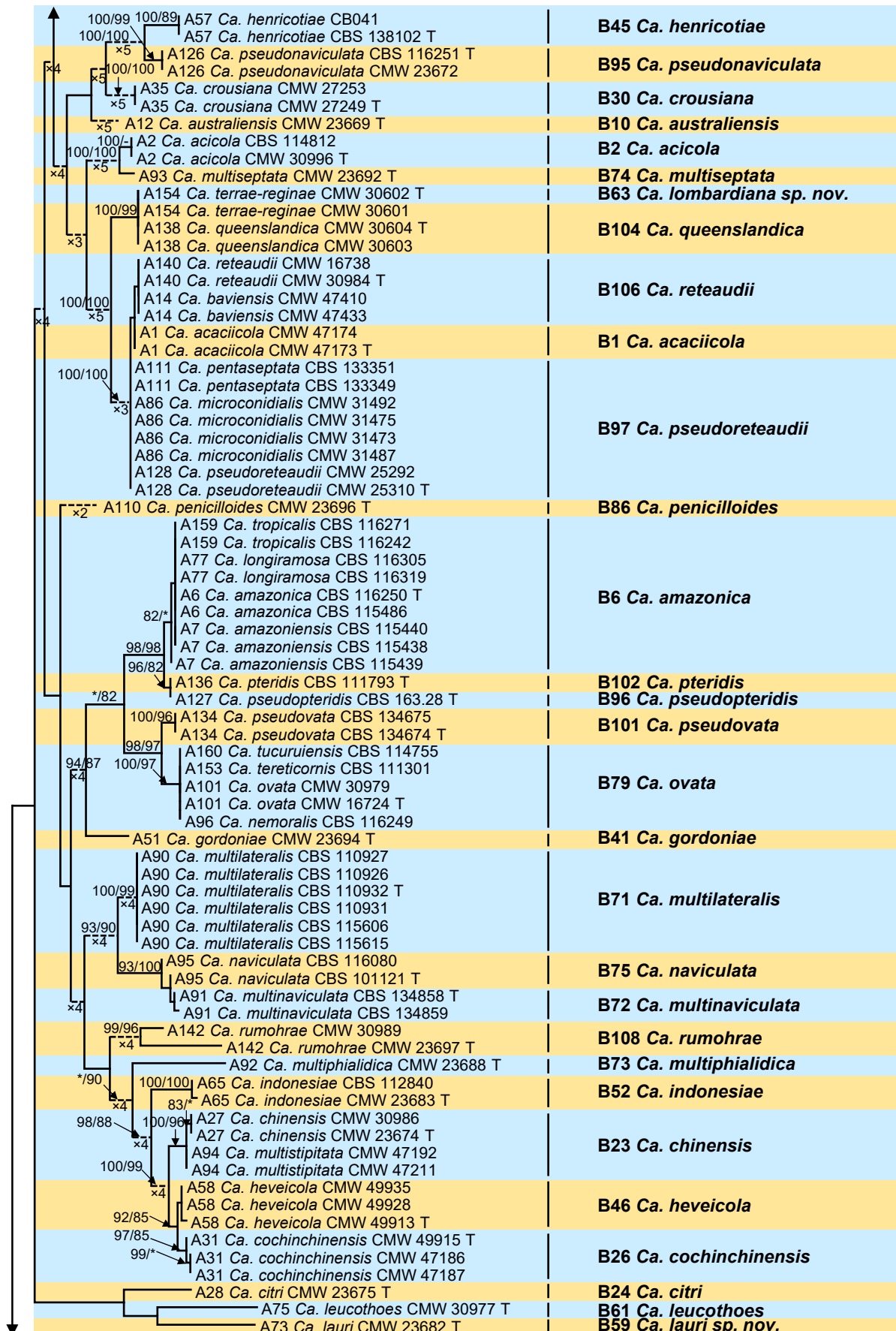
Supplementary Fig. S2 *cmdA*



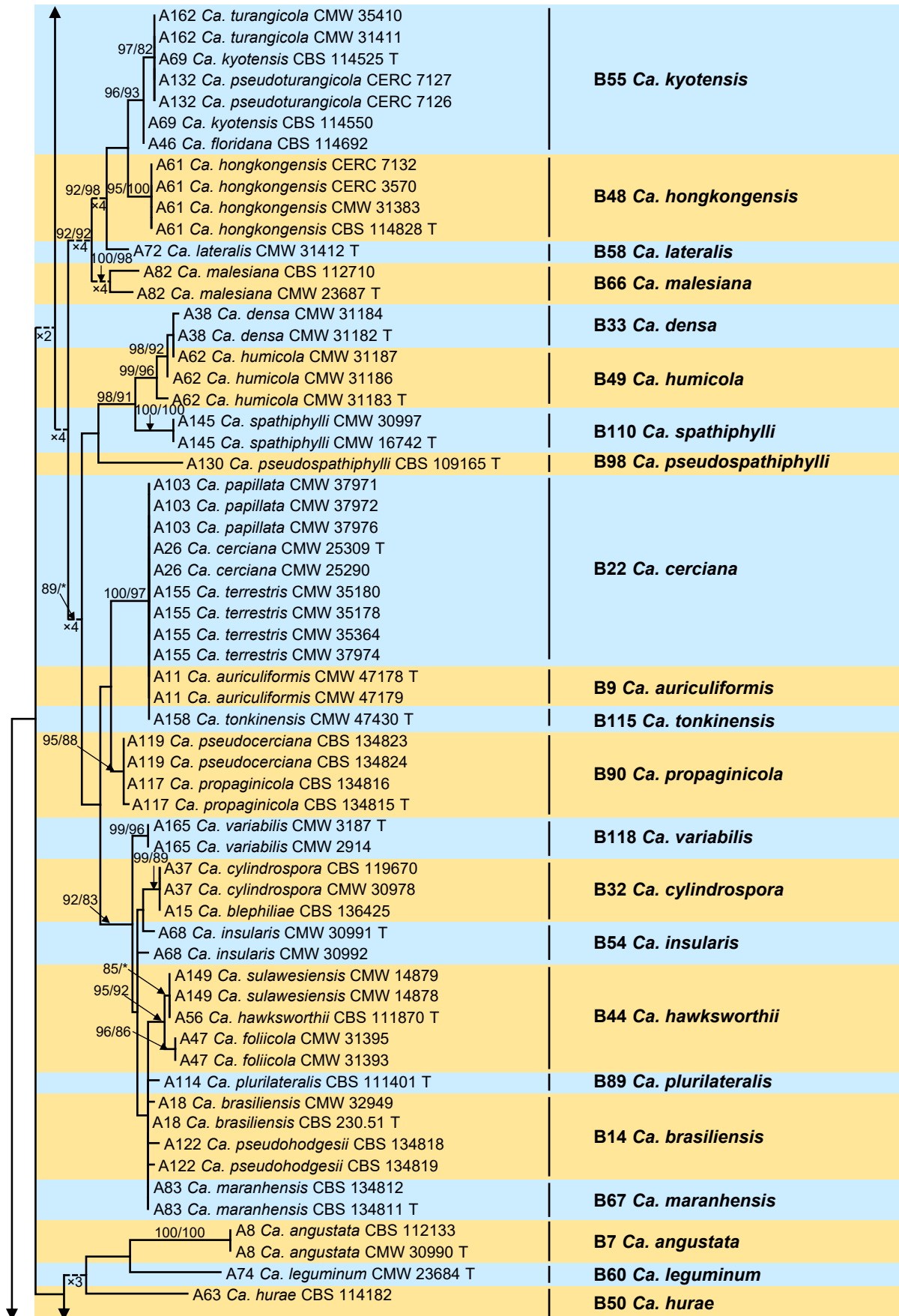
Supplementary Fig. S3 *his3*



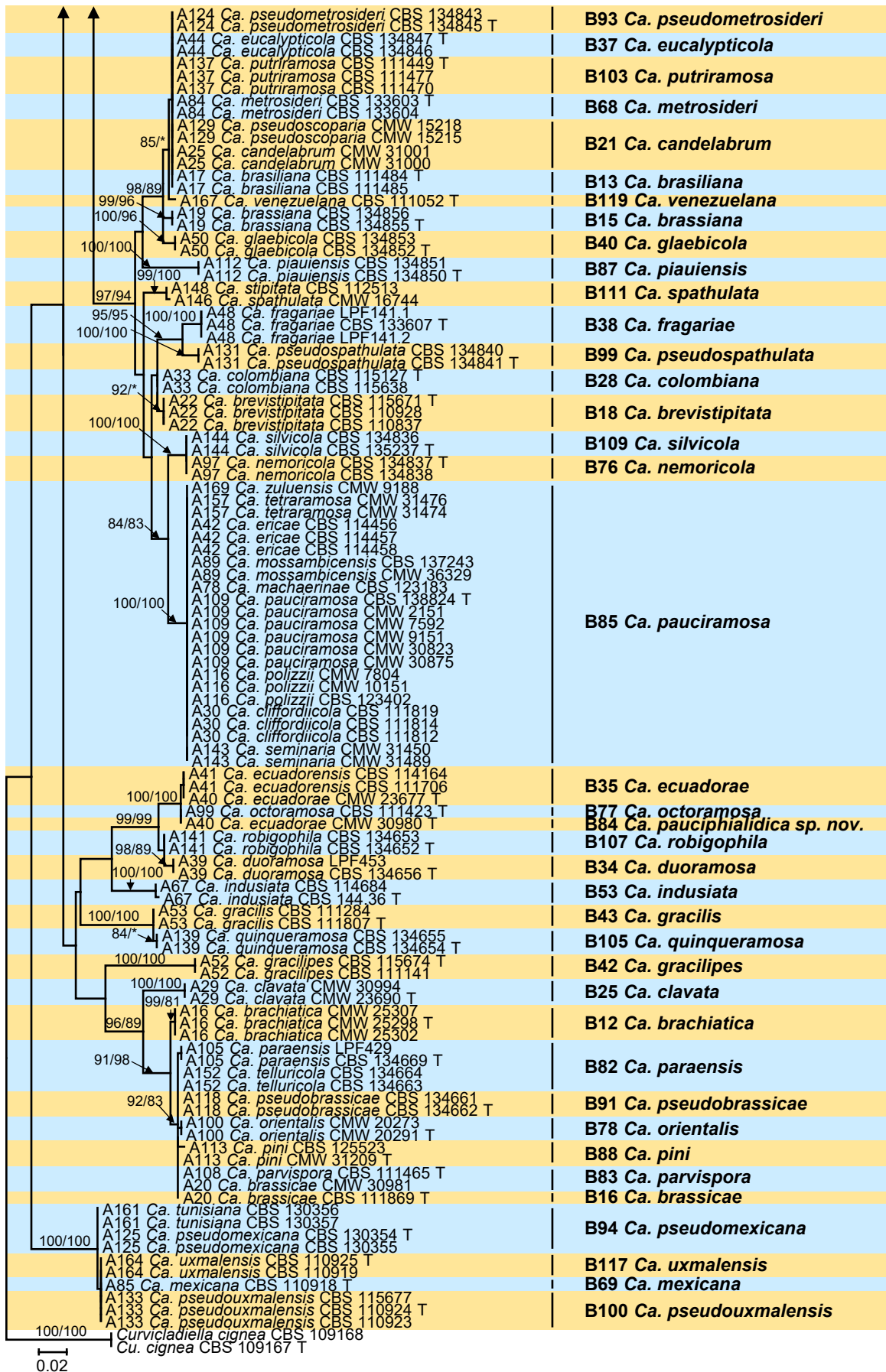
Supplementary Fig. S3 *his3*



Supplementary Fig. S3 *his3*



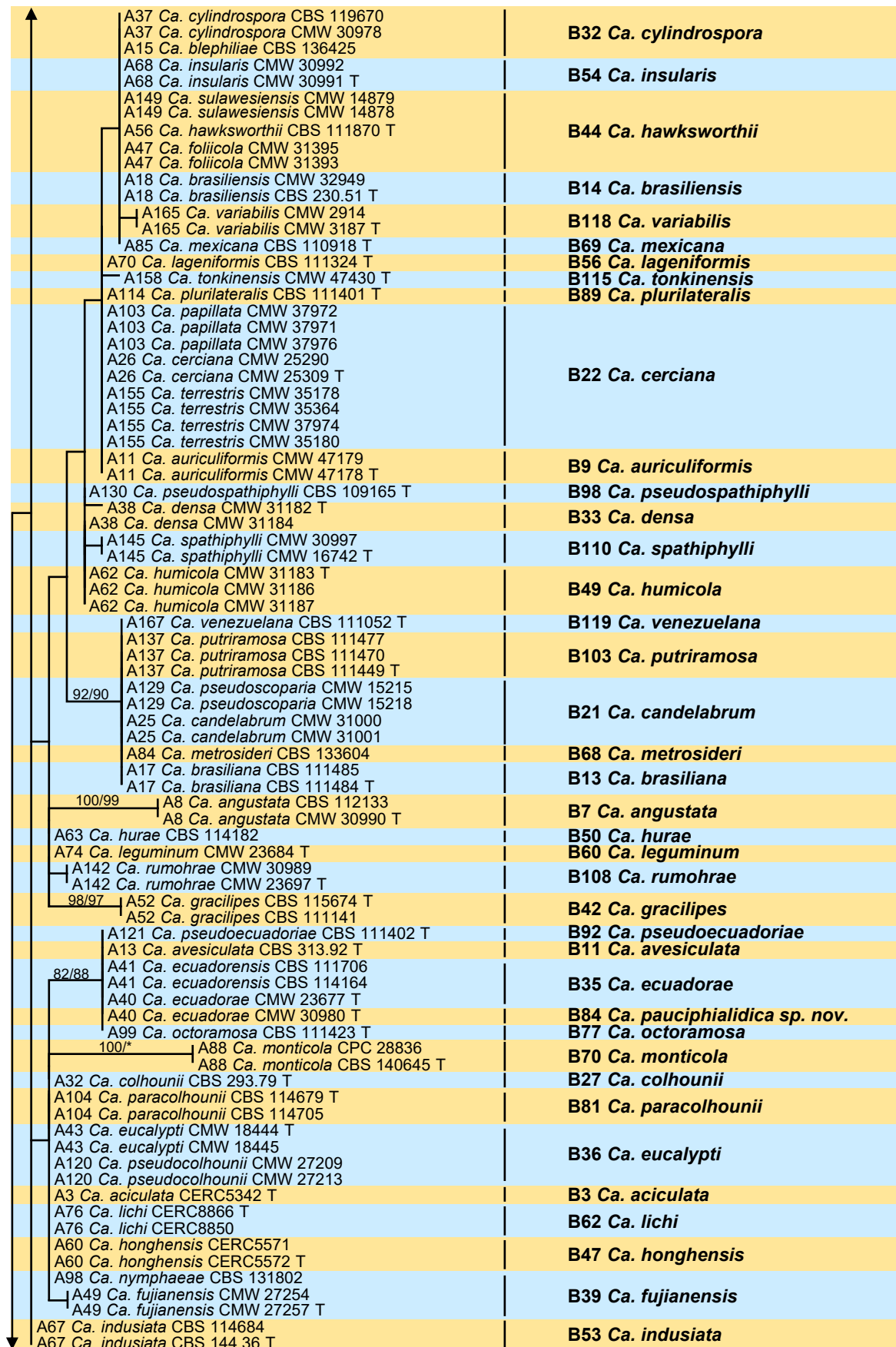
Supplementary Fig. S3 *his3*



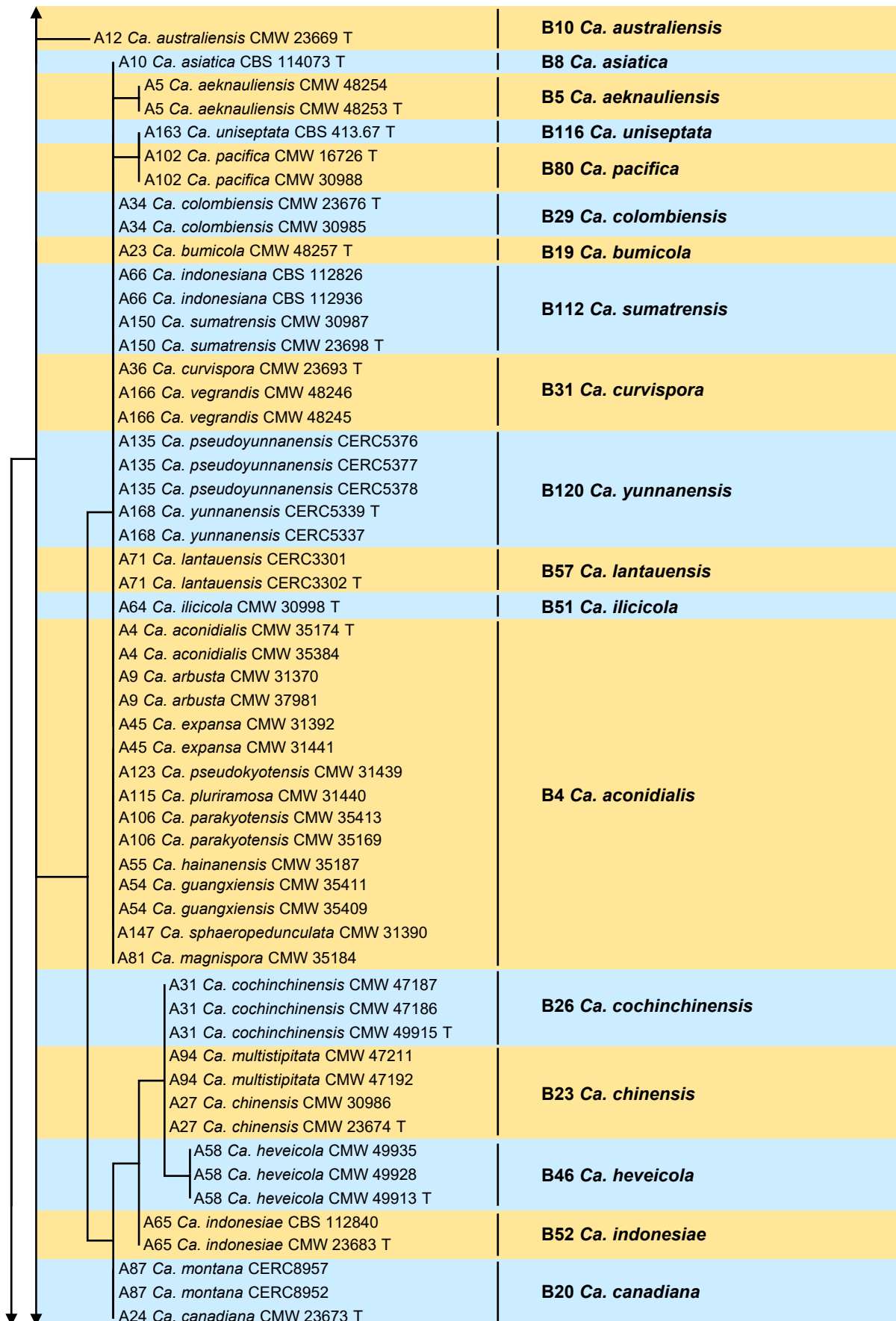
Supplementary Fig. S4 ITS

A22 <i>Ca. brevistipitata</i> CBS 115671 T A22 <i>Ca. brevistipitata</i> CBS 110837 A22 <i>Ca. brevistipitata</i> CBS 110928	B18 <i>Ca. brevistipitata</i>
A169 <i>Ca. zuluensis</i> CMW 9188 A30 <i>Ca. cliffordiicola</i> CBS 111812 A30 <i>Ca. cliffordiicola</i> CBS 111814 A30 <i>Ca. cliffordiicola</i> CBS 111819 A42 <i>Ca. ericae</i> CBS 114456 A42 <i>Ca. ericae</i> CBS 114457 A42 <i>Ca. ericae</i> CBS 114458 A78 <i>Ca. machaerinae</i> CBS 123183 A89 <i>Ca. mossambicensis</i> CBS 137243 A89 <i>Ca. mossambicensis</i> CMW 36329 A109 <i>Ca. pauciramosa</i> CBS 138824 T A109 <i>Ca. pauciramosa</i> CMW 2151 A109 <i>Ca. pauciramosa</i> CMW 7592 A109 <i>Ca. pauciramosa</i> CMW 9151 A109 <i>Ca. pauciramosa</i> CMW 30823 A109 <i>Ca. pauciramosa</i> CMW 30875 A116 <i>Ca. polizzii</i> CMW 7804 A116 <i>Ca. polizzii</i> CMW 10151 A116 <i>Ca. polizzii</i> CBS 123402 A143 <i>Ca. seminaria</i> CMW 31450 A143 <i>Ca. seminaria</i> CMW 31489 A157 <i>Ca. tetraramosa</i> CMW 31474 A157 <i>Ca. tetraramosa</i> CMW 31476	B85 <i>Ca. pauciramosa</i>
A146 <i>Ca. spathulata</i> CMW 16744 A148 <i>Ca. stipitata</i> CBS 112513	B111 <i>Ca. spathulata</i>
— <i>Calonectria</i> sp. CBS 112152 <i>Calonectria</i> sp. CBS 112753	
A138 <i>Ca. queenslandica</i> CMW 30604 T A138 <i>Ca. queenslandica</i> CMW 30603 A154 <i>Ca. terrae-reginae</i> CMW 30601 — A154 <i>Ca. terrae-reginae</i> CMW 30602 T	B104 <i>Ca. queenslandica</i> B63 <i>Ca. lombardiana</i> sp. nov.
A140 <i>Ca. reteaudii</i> CMW 30984 T A140 <i>Ca. reteaudii</i> CMW 16738 A14 <i>Ca. baviensis</i> CMW 47410 A14 <i>Ca. baviensis</i> CMW 47433	B106 <i>Ca. reteaudii</i>
A1 <i>Ca. acaciicola</i> CMW 47173 T A1 <i>Ca. acaciicola</i> CMW 47174	B1 <i>Ca. acaciicola</i>
A86 <i>Ca. microconidialis</i> CMW 31487 A86 <i>Ca. microconidialis</i> CMW 31473 A86 <i>Ca. microconidialis</i> CMW 31475 A86 <i>Ca. microconidialis</i> CMW 31492 A111 <i>Ca. pentaseptata</i> CBS 133349 A111 <i>Ca. pentaseptata</i> CBS 133351 A128 <i>Ca. pseudoreteaudii</i> CMW 25292 A128 <i>Ca. pseudoreteaudii</i> CMW 25310 T	B97 <i>Ca. pseudoreteaudii</i>
A33 <i>Ca. colombiana</i> CBS 115127 T A33 <i>Ca. colombiana</i> CBS 115638	B28 <i>Ca. colombiana</i>
A164 <i>Ca. uxmalensis</i> CBS 110925 T A164 <i>Ca. uxmalensis</i> CBS 110919	B117 <i>Ca. uxmalensis</i>
A133 <i>Ca. pseudouxmalensis</i> CBS 110923 A133 <i>Ca. pseudouxmalensis</i> CBS 110924 T A133 <i>Ca. pseudouxmalensis</i> CBS 115677	B100 <i>Ca. pseudouxmalensis</i>
A125 <i>Ca. pseudomexicana</i> CBS 130354 T A125 <i>Ca. pseudomexicana</i> CBS 130355 A161 <i>Ca. tunisiana</i> CBS 130356 A161 <i>Ca. tunisiana</i> CBS 130357	B94 <i>Ca. pseudomexicana</i>
— A75 <i>Ca. leucothoes</i> CMW 30977 T	B61 <i>Ca. leucothoes</i>
— A28 <i>Ca. citri</i> CMW 23675 T	B24 <i>Ca. citri</i>
— A73 <i>Ca. lauri</i> CMW 23682 T	B59 <i>Ca. lauri</i> sp. nov.
— A93 <i>Ca. multiseptata</i> CMW 23692 T	B74 <i>Ca. multiseptata</i>
— A2 <i>Ca. acicola</i> CMW 30996 T — A2 <i>Ca. acicola</i> CBS 114812	B2 <i>Ca. acicola</i>

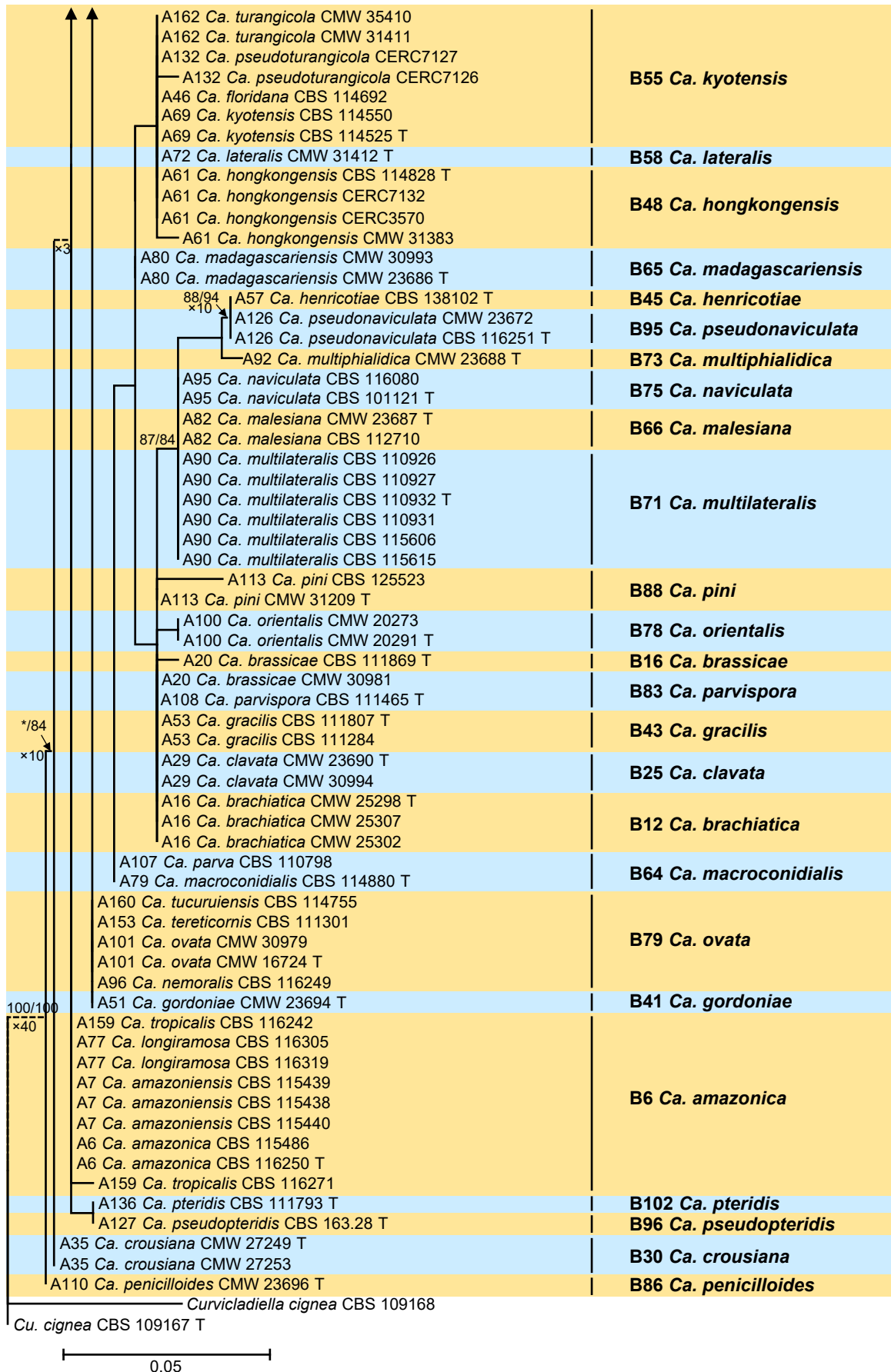
Supplementary Fig. S4 ITS



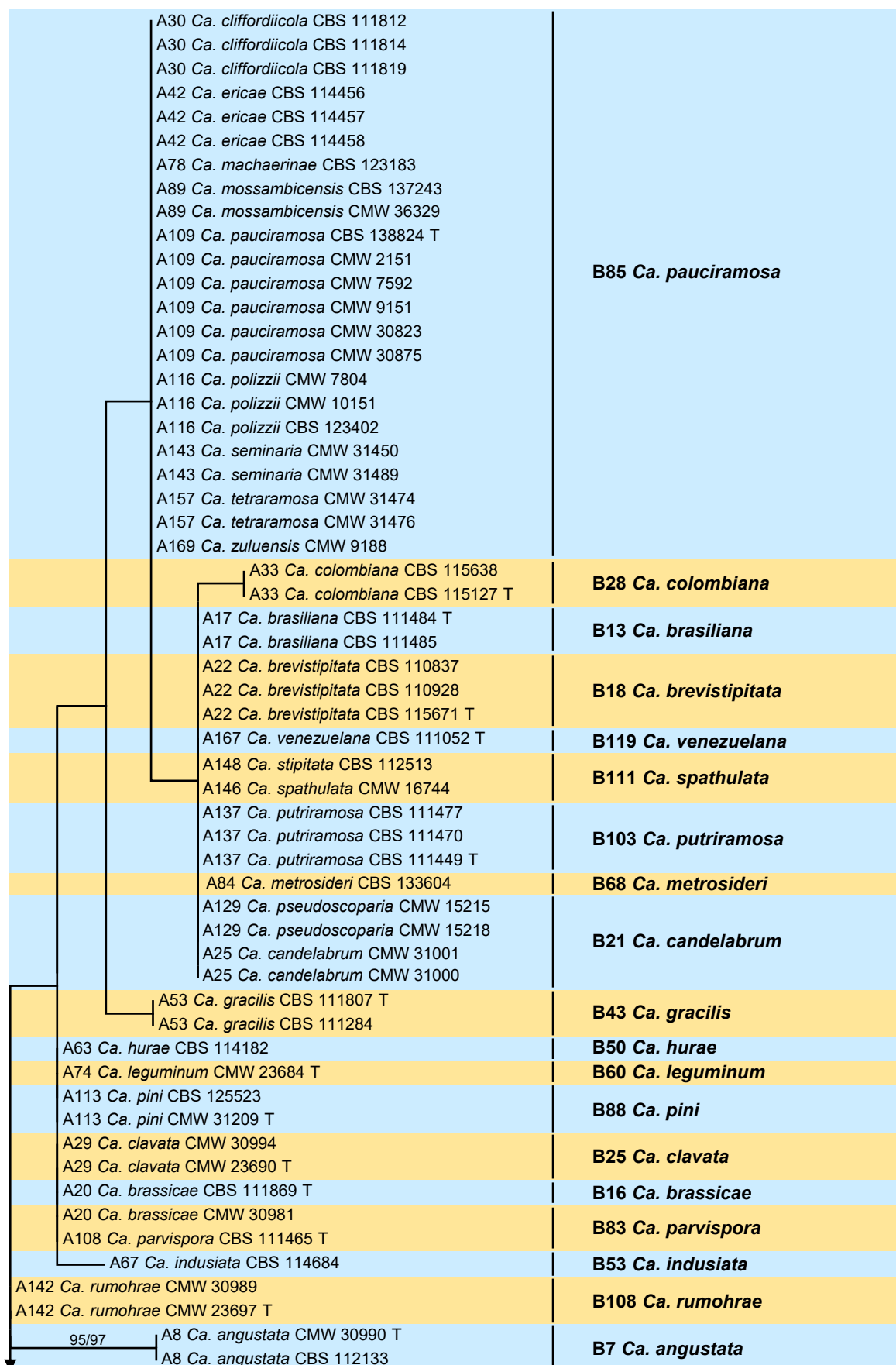
Supplementary Fig. S4 ITS



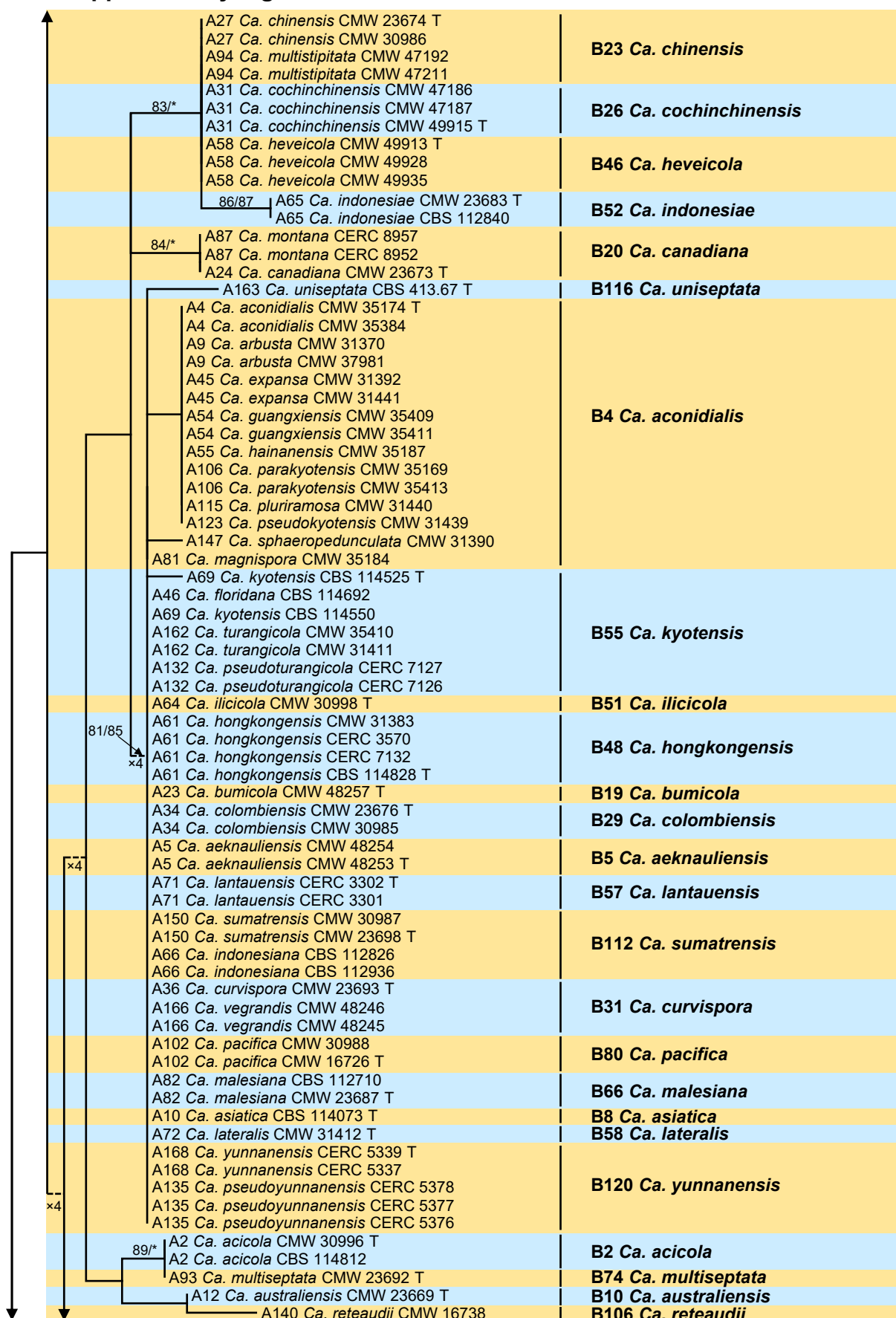
Supplementary Fig. S4 ITS



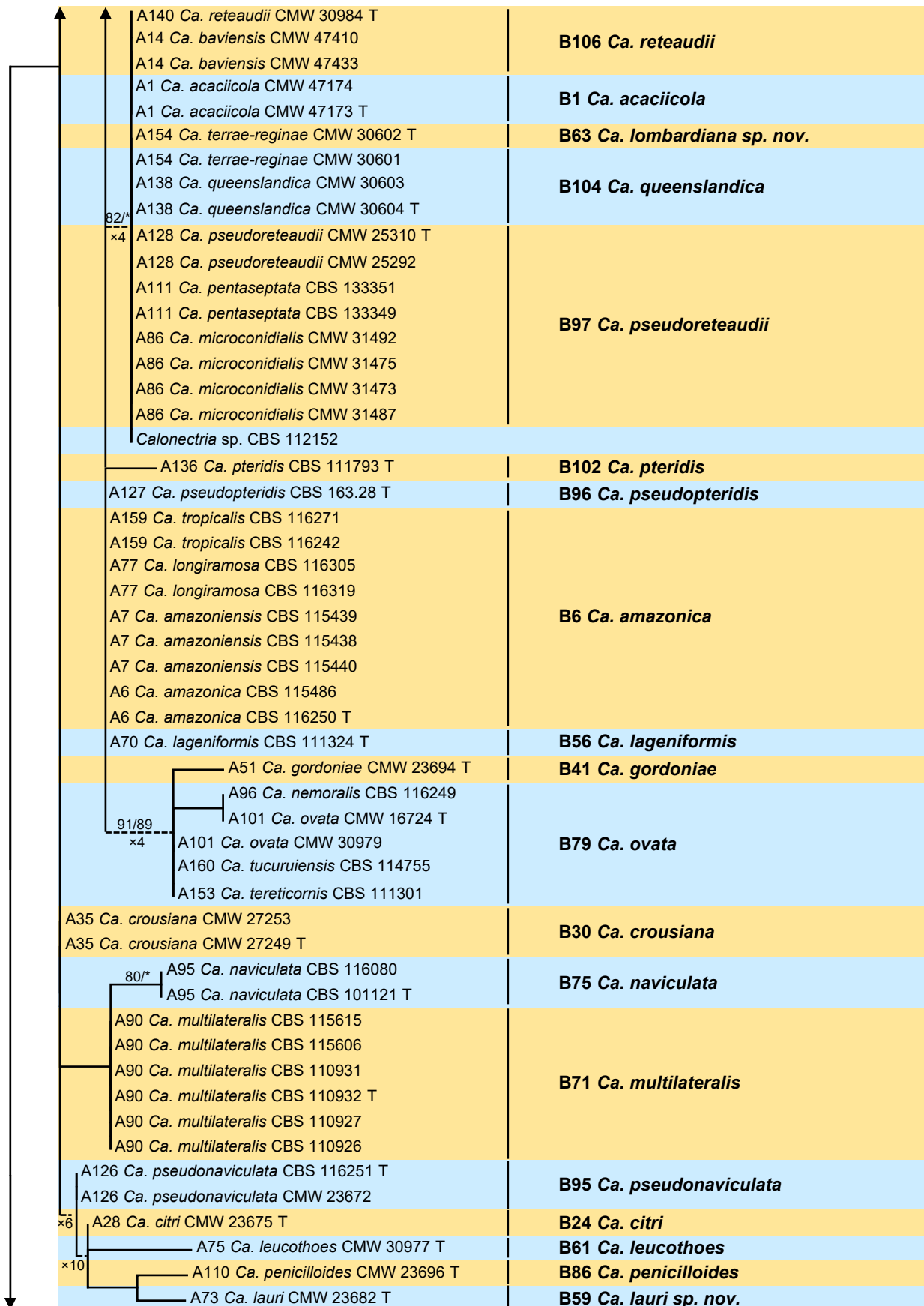
Supplementary Fig. S5 LSU



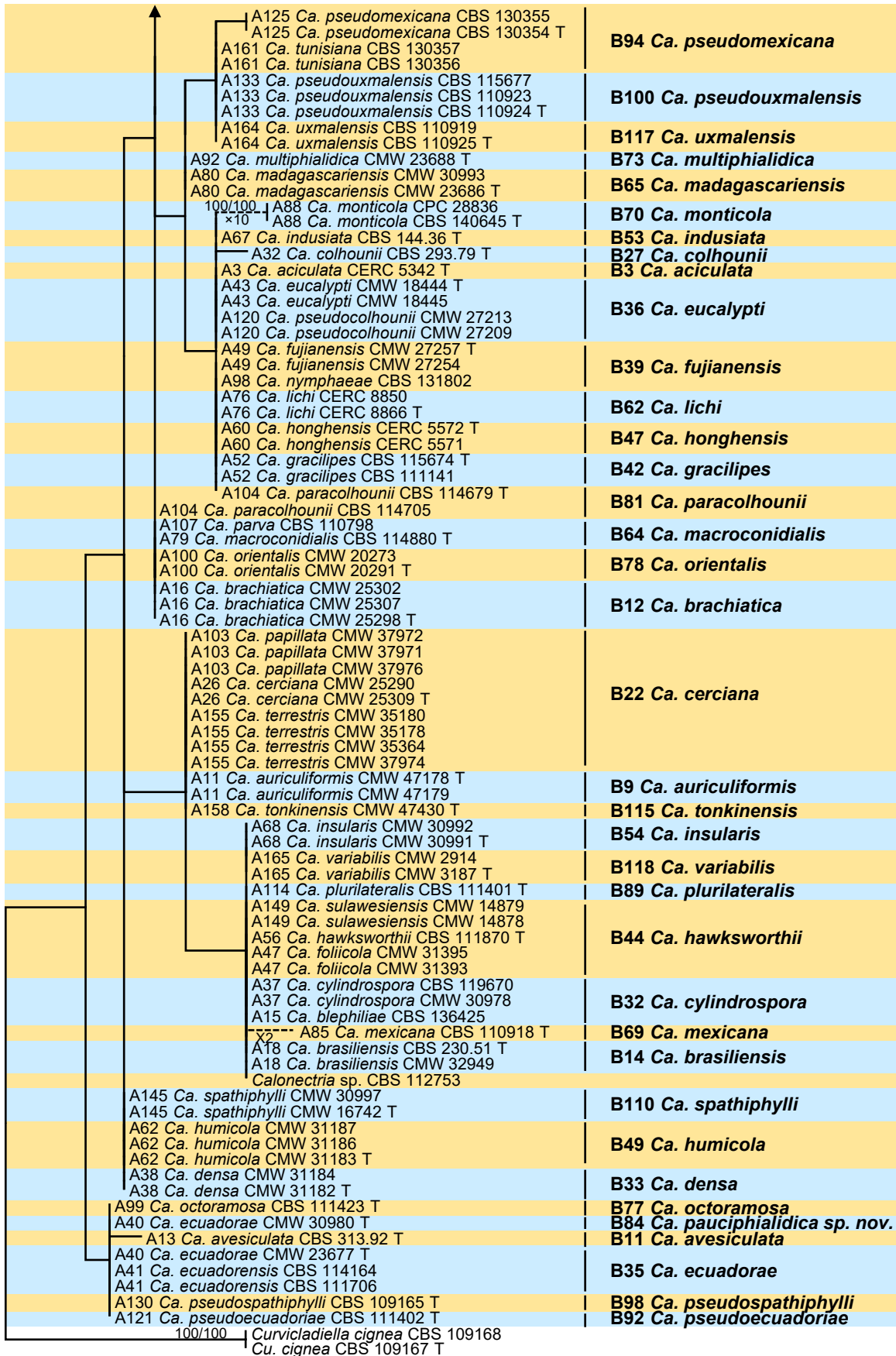
Supplementary Fig. S5 LSU



Supplementary Fig. S5 LSU

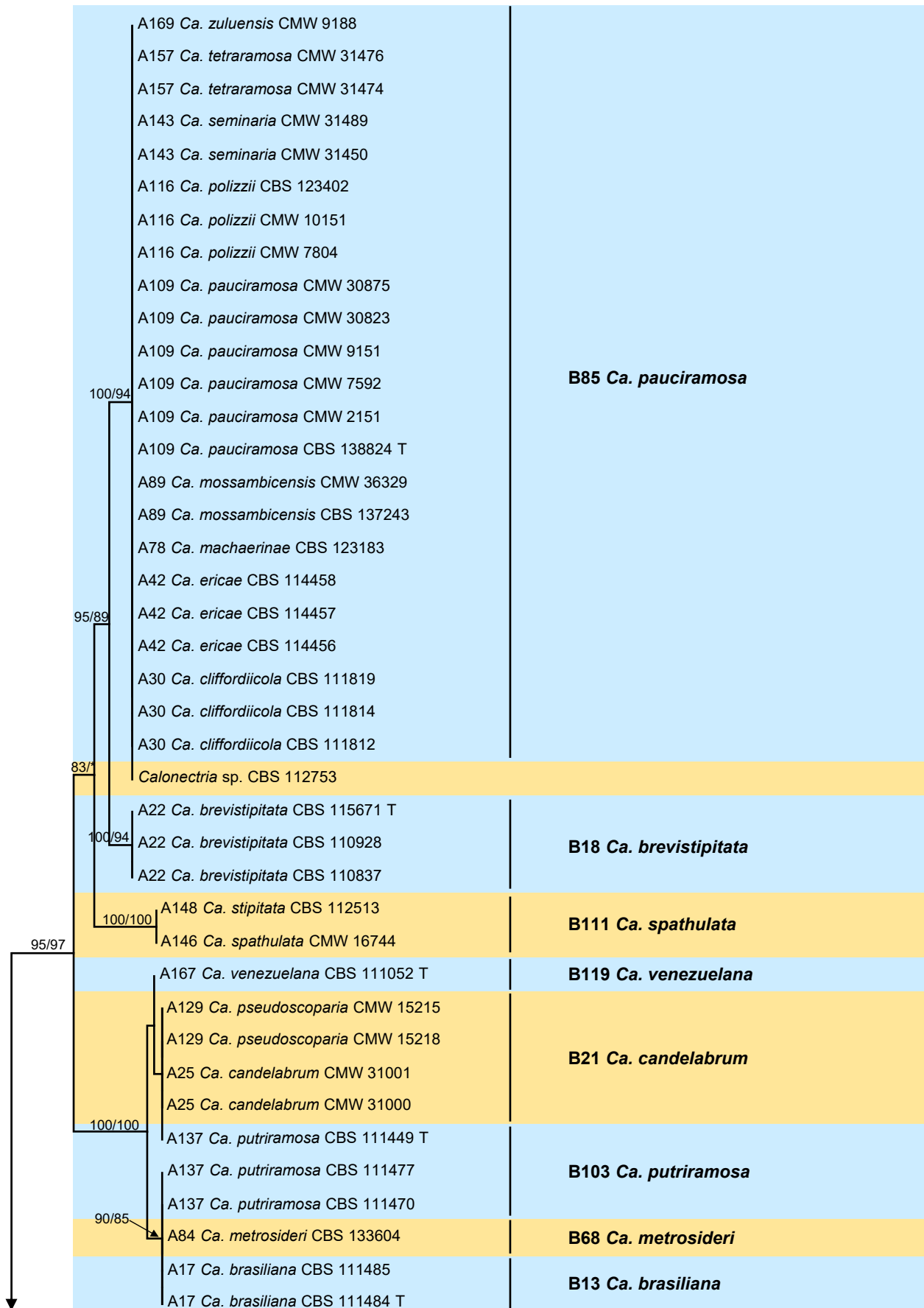


Supplementary Fig. S5 LSU

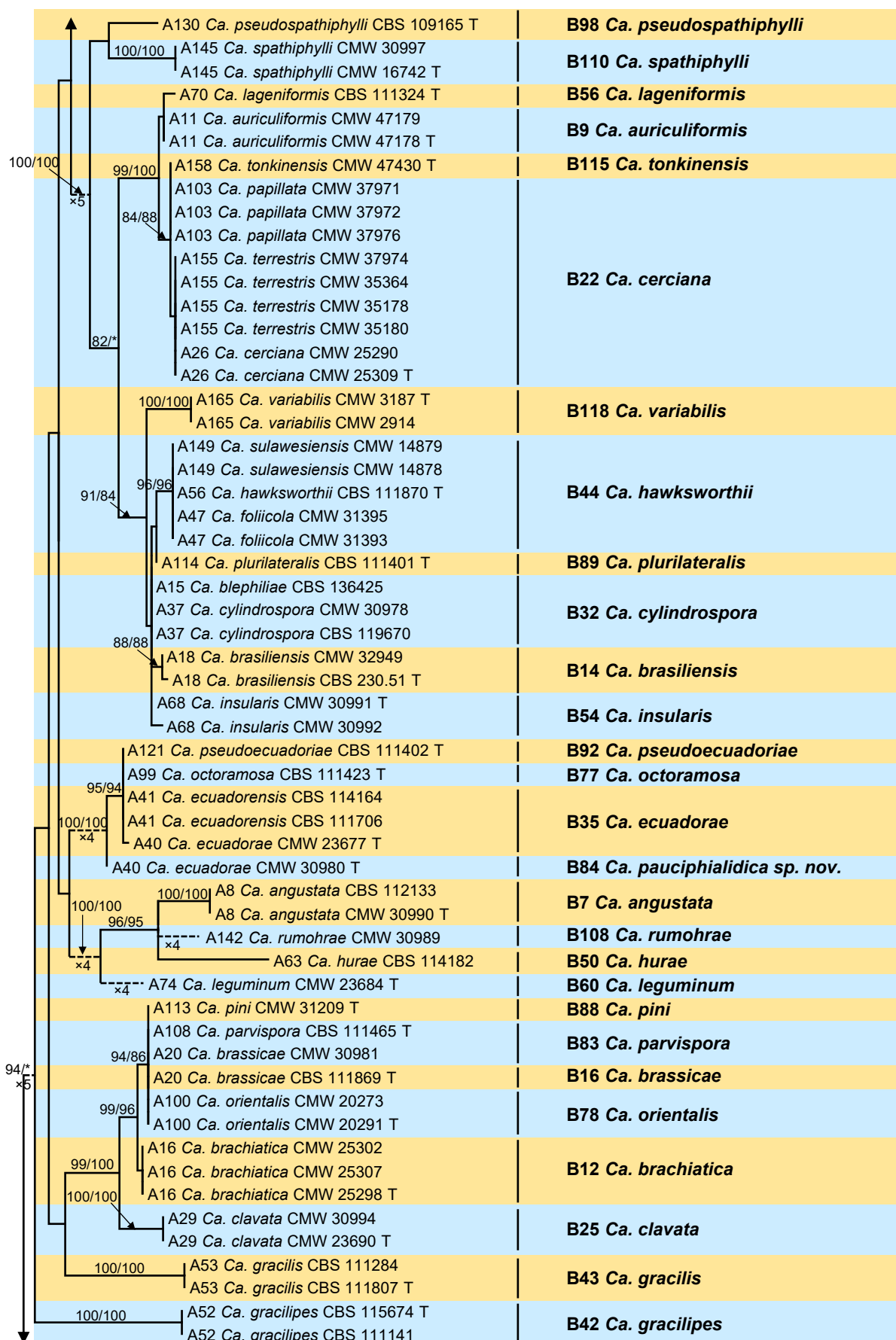


0.02

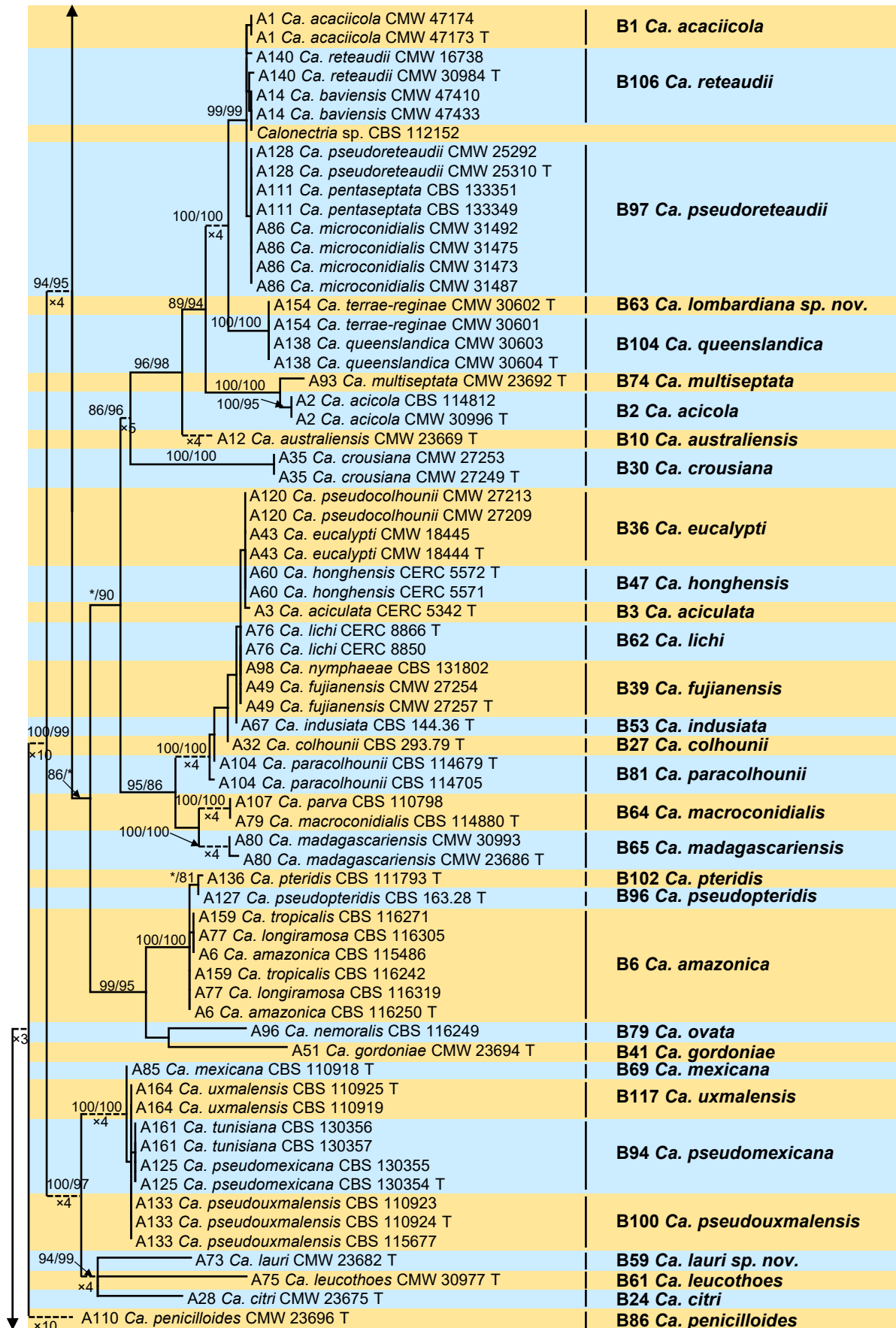
Supplementary Fig. S6 *rpb2*



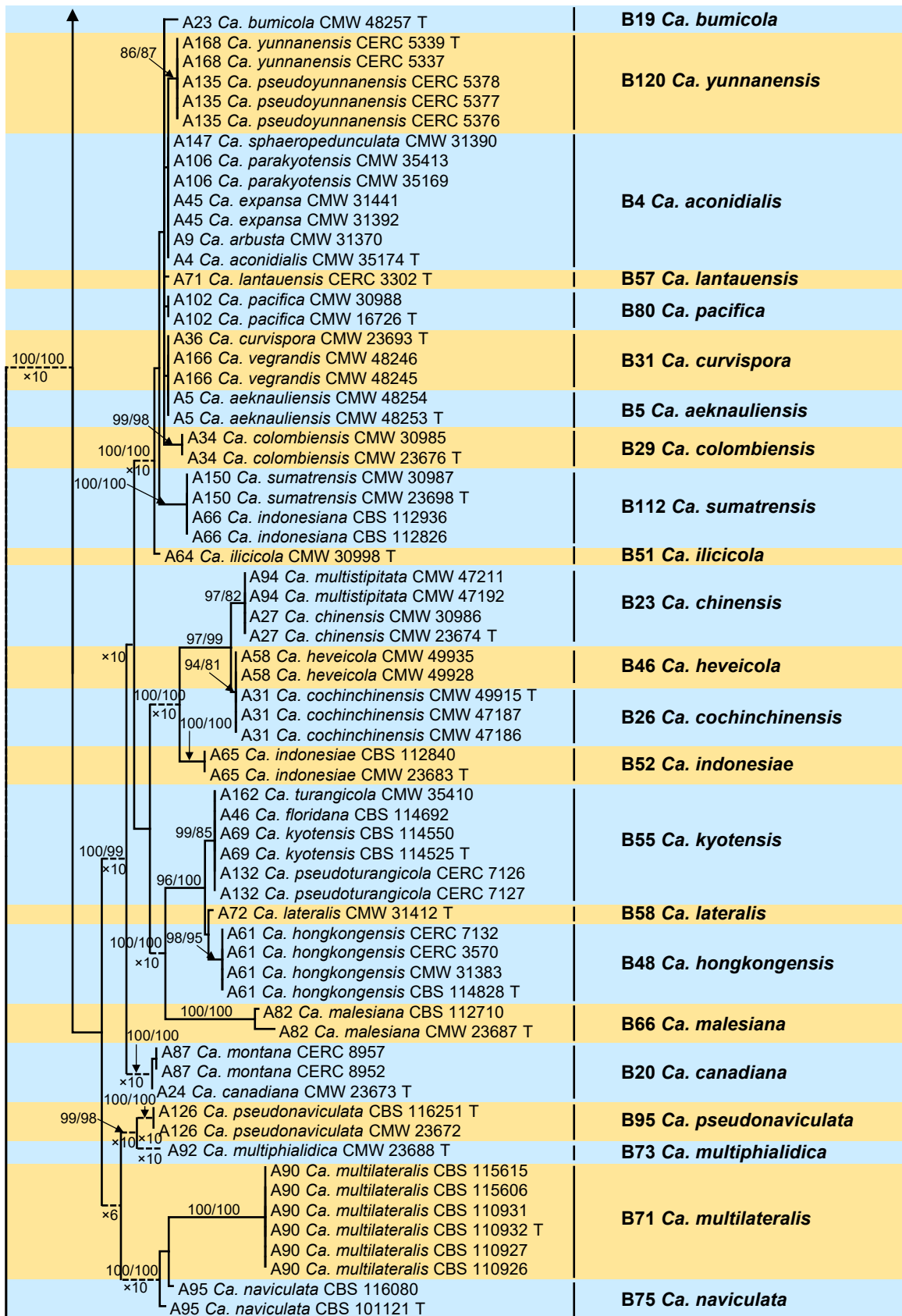
Supplementary Fig. S6 *rpb2*



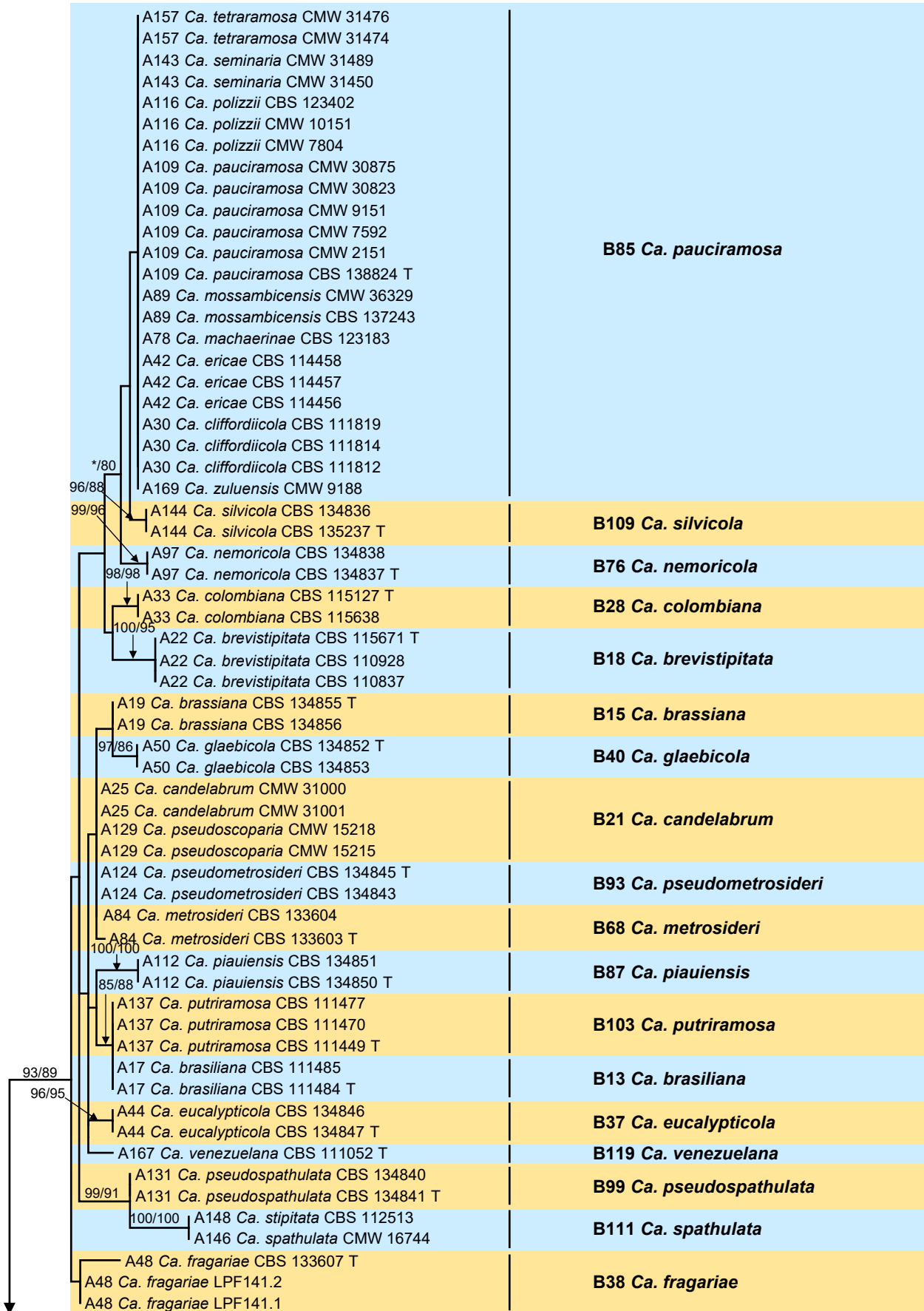
Supplementary Fig. S6 *rpb2*



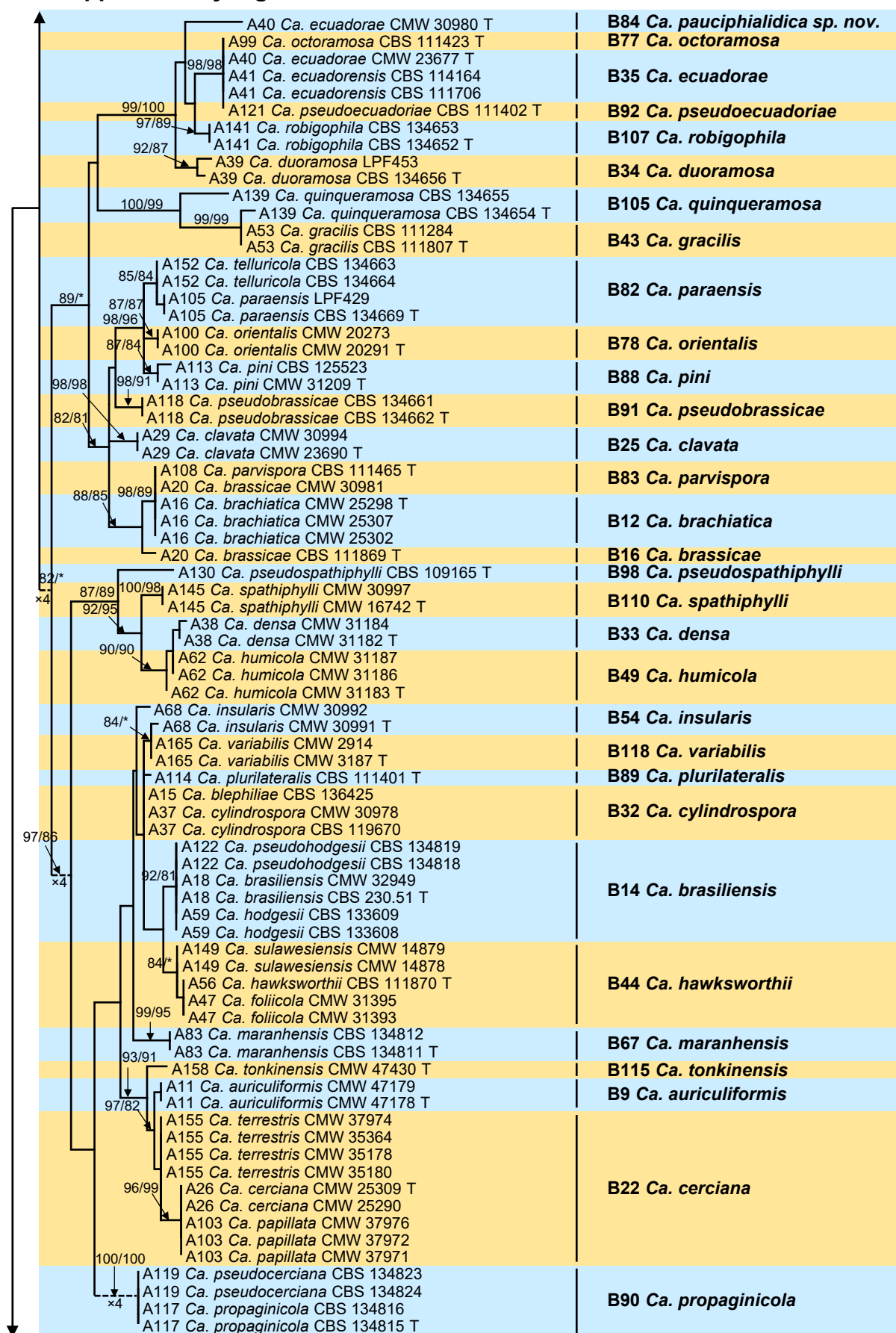
Supplementary Fig. S6 *rpb2*



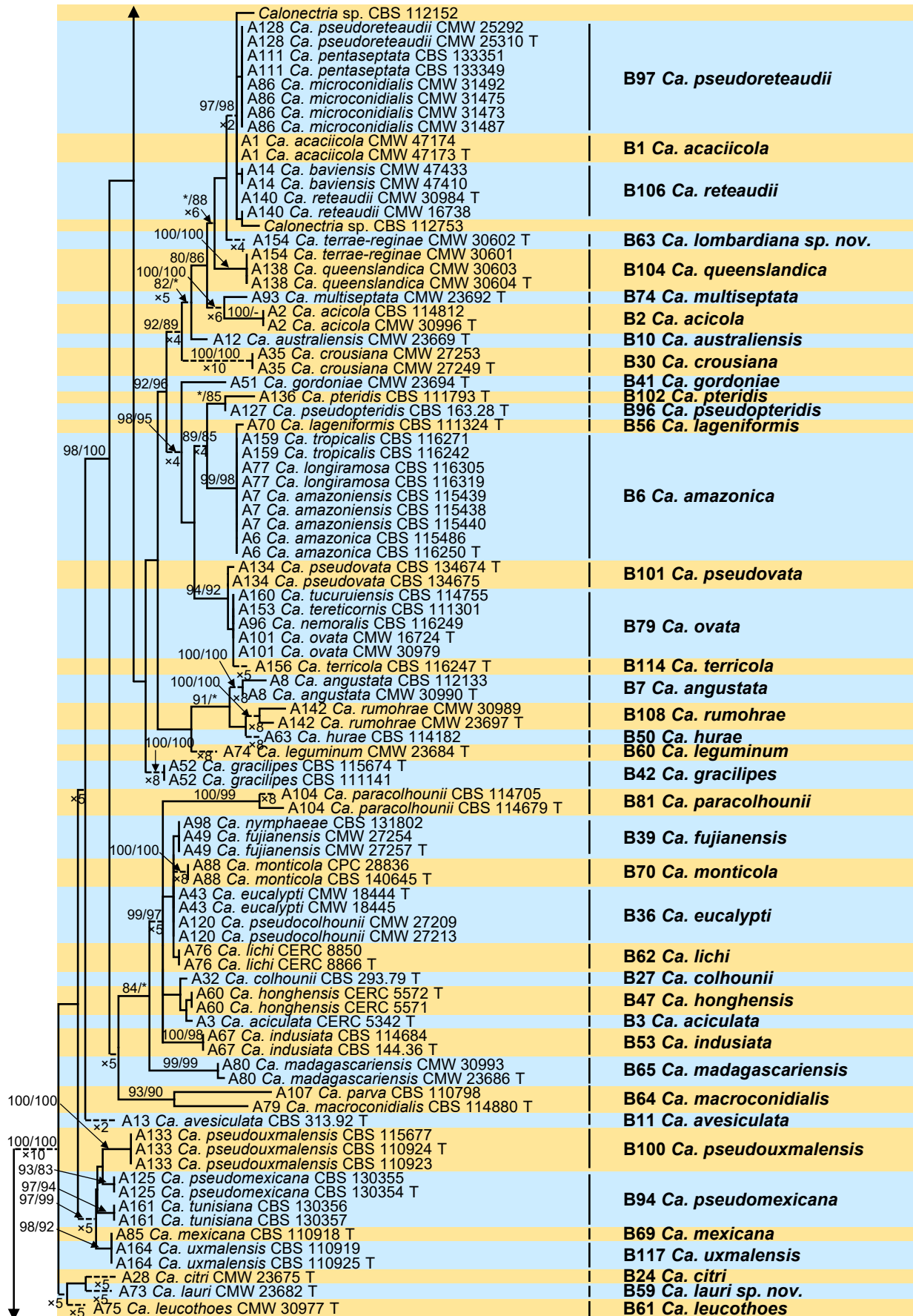
Supplementary Fig. S7 *tef1*



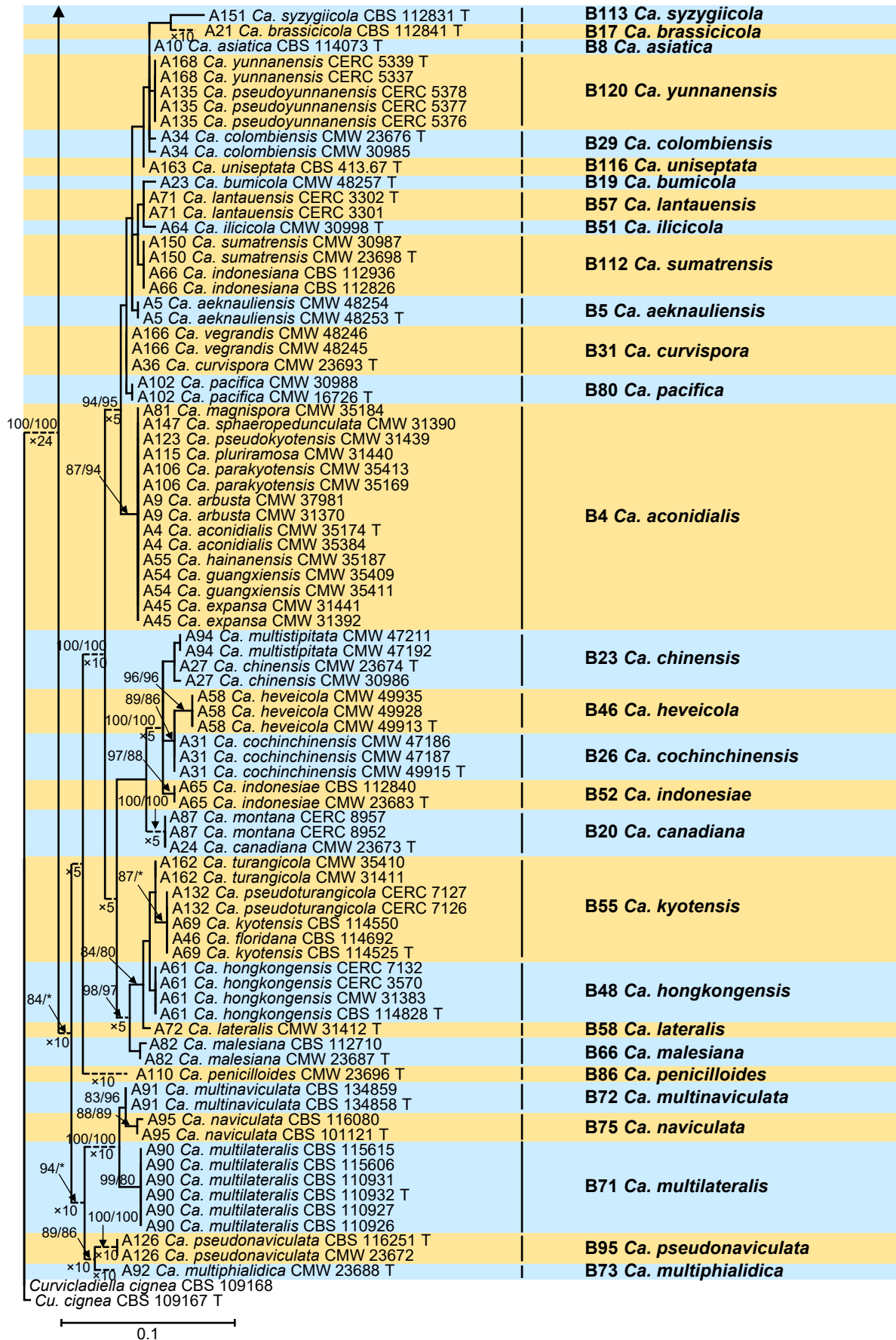
Supplementary Fig. S7 *tef1*



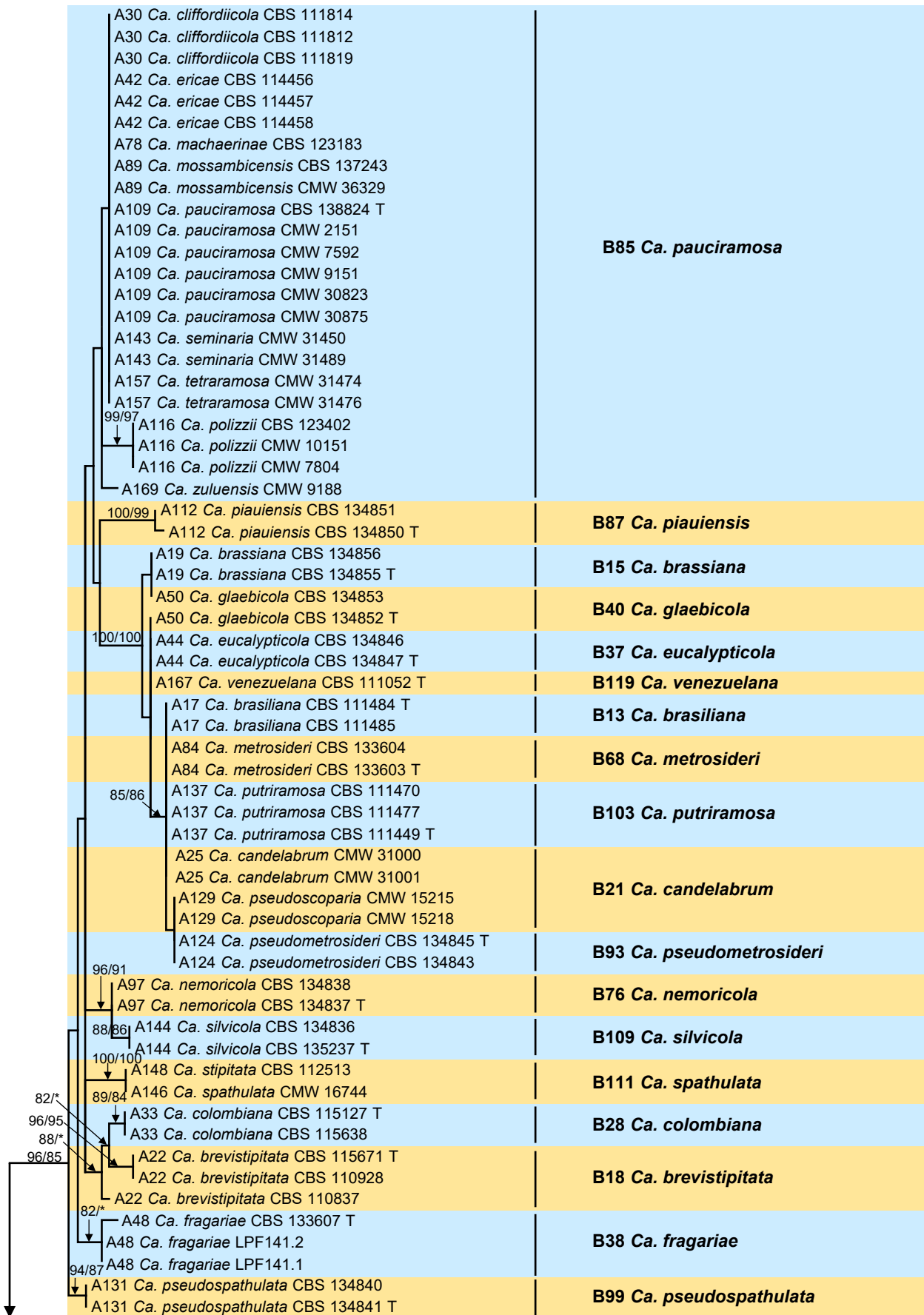
Supplementary Fig. S7 *tef1*



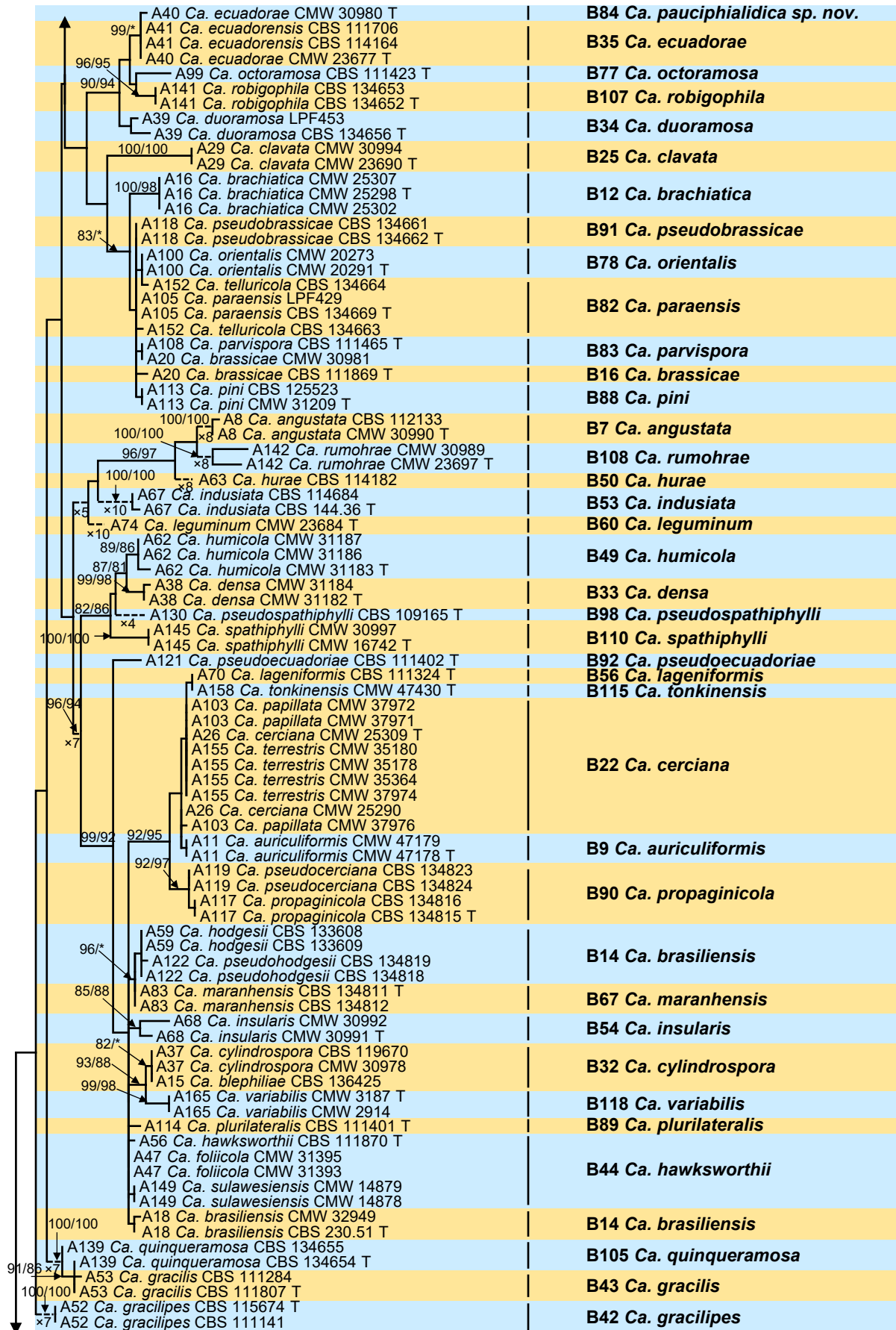
Supplementary Fig. S7 *tef1*



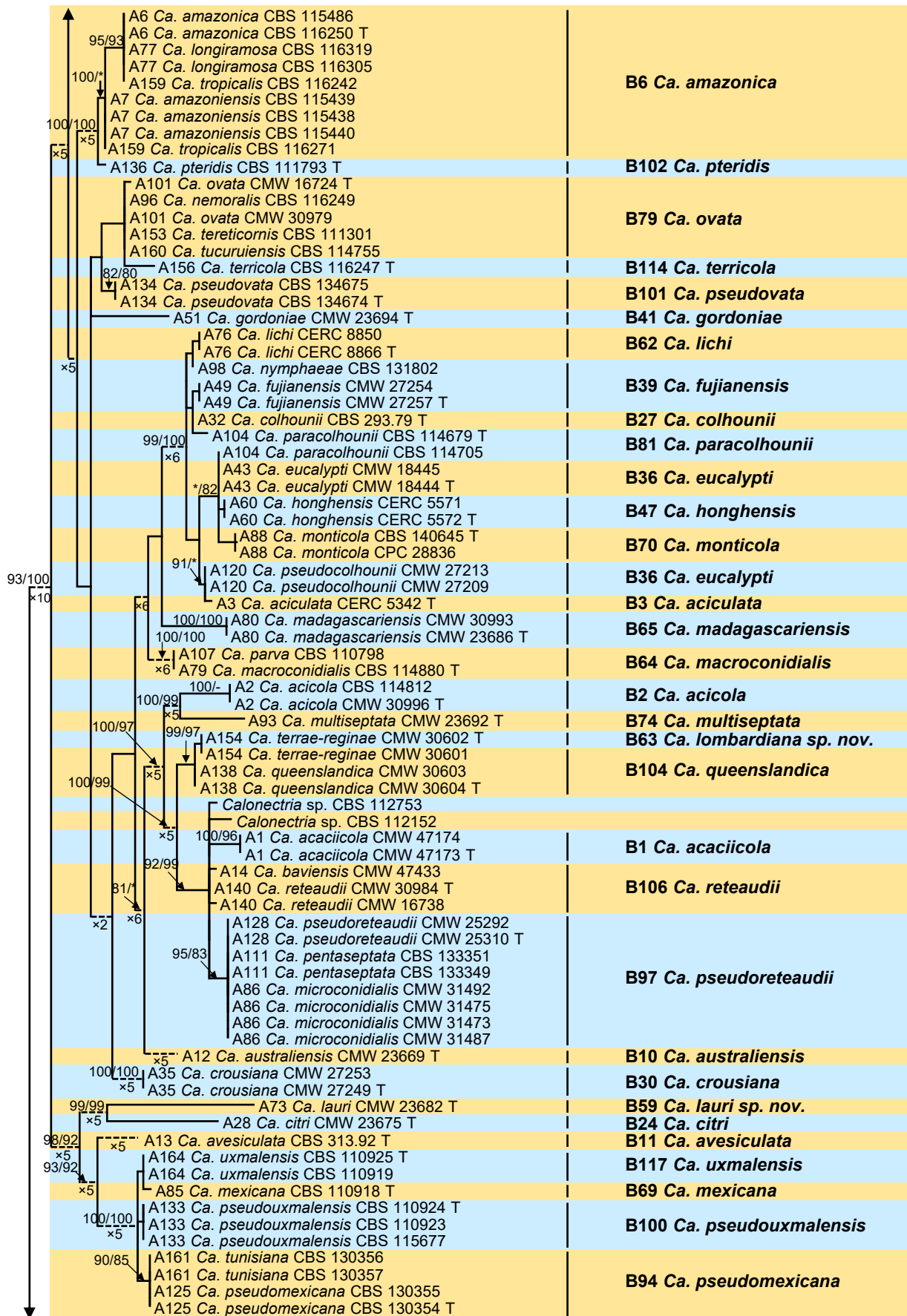
Supplementary Fig. S8 *tub2*



Supplementary Fig. S8 *tub2*



Supplementary Fig. S8 *tub2*



Supplementary Fig. S8 *tub2*

