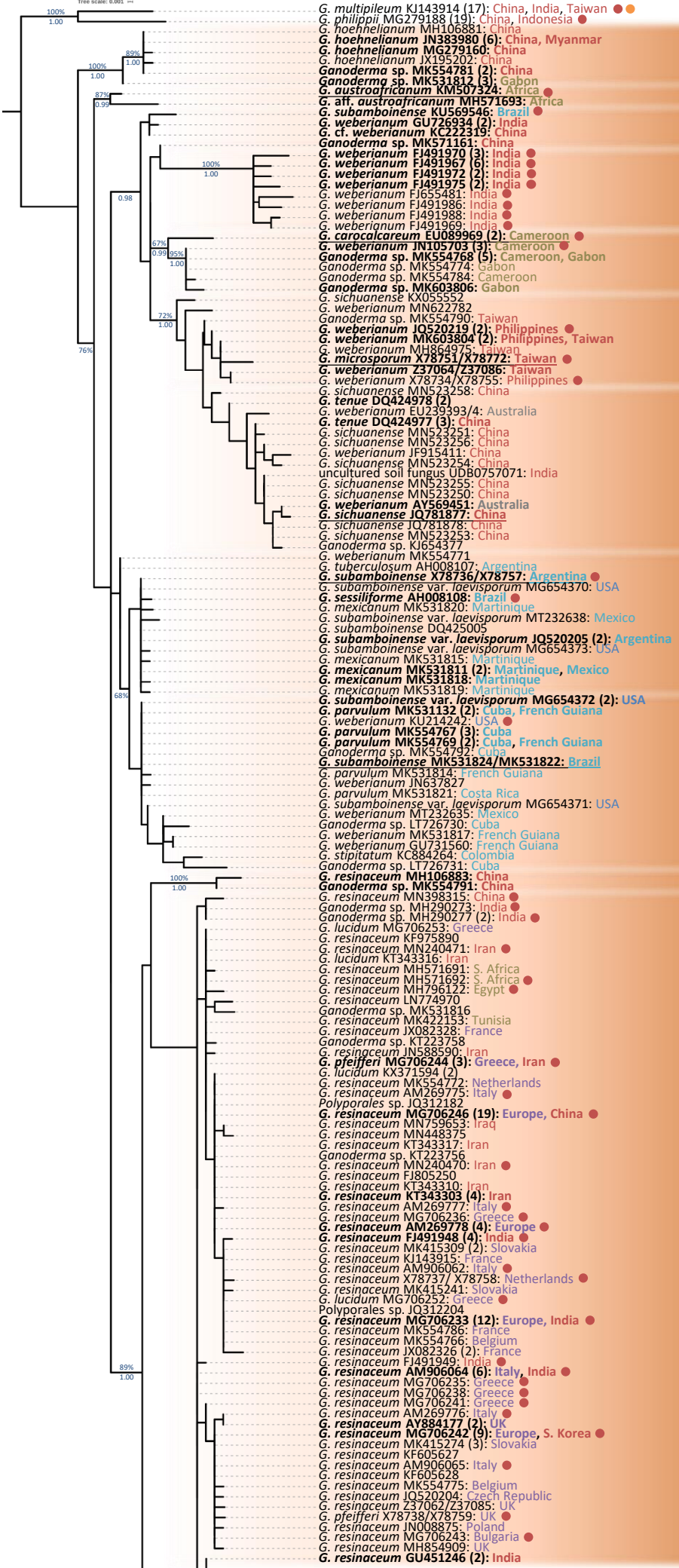
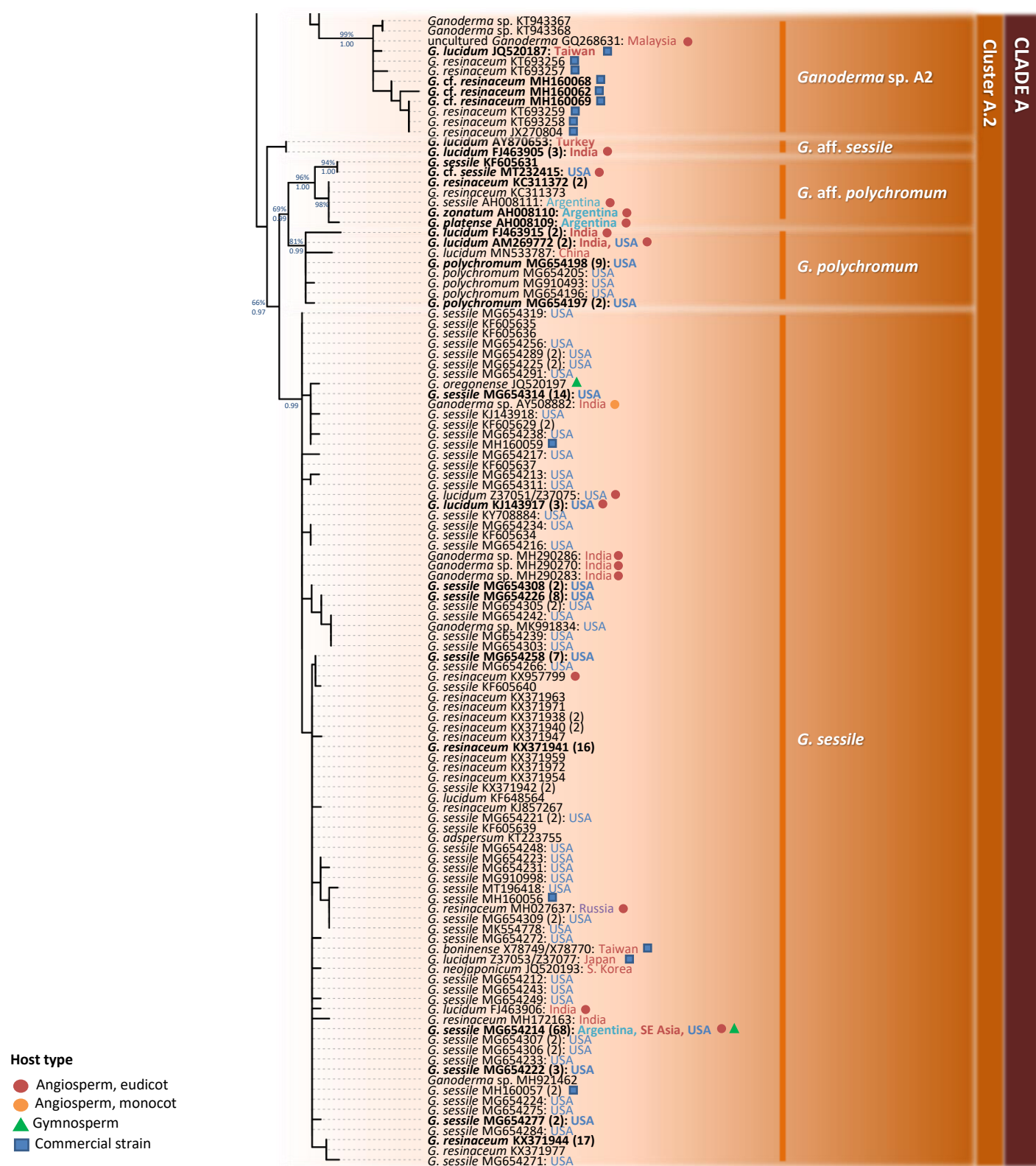




CLADE A	
Cluster A.2	
<i>G. multipileum</i> (17): China, India, Taiwan ●	
<i>G. philippii</i> MG279188 (19): China, Indonesia ●	
<i>G. hoehneltianum</i> MH106881: China	<i>G. hoehneltianum</i>
<i>G. hoehneltianum</i> JN383980 (6): China, Myanmar	
<i>G. hoehneltianum</i> MG279160: China	
<i>G. hoehneltianum</i> JX195232: China	
<i>Ganoderma</i> sp. MK554781 (2): China	
<i>Ganoderma</i> sp. MK531812 (3): Gabon	
<i>G. austroafricanum</i> KM507324: Africa ●	<i>G. austroafricanum</i>
<i>G. aff. austroafricanum</i> MH571693: Africa	
<i>G. subamboinense</i> KU569546: Brazil ●	
<i>G. weberianum</i> GU726934 (2): India ●	<i>G. cf. weberianum</i>
<i>G. cf. weberianum</i> KC22123: China	
<i>Ganoderma</i> sp. MK571161: China	
<i>G. weberianum</i> FJ491970 (3): India ●	
<i>G. weberianum</i> FJ491967 (6): India ●	
<i>G. weberianum</i> FJ491972 (2): India ●	
<i>G. weberianum</i> FJ491975 (2): India ●	<i>Ganoderma</i> sp. A1
<i>G. weberianum</i> FJ655481: India ●	
<i>G. weberianum</i> FJ491986: India ●	
<i>G. weberianum</i> FJ491988: India ●	
<i>G. weberianum</i> FJ491969: India ●	
<i>G. carcalcareum</i> EU089969 (2): Cameroon ●	
<i>G. weberianum</i> JN105703 (3): Cameroon ●	
<i>Ganoderma</i> sp. MK554768 (5): Cameroon, Gabon	<i>G. carcalcareum</i>
<i>Ganoderma</i> sp. MK554774: Gabon	
<i>Ganoderma</i> sp. MK554784: Cameroon	
<i>Ganoderma</i> sp. MK603806: Gabon	
<i>G. sichuanense</i> KX055552	
<i>G. weberianum</i> MN622782	
<i>Ganoderma</i> sp. MK554790: Taiwan	
<i>G. weberianum</i> JQ520219 (2): Philippines ●	
<i>G. weberianum</i> MK603804 (2): Philippines, Taiwan	<i>G. weberianum</i>
<i>G. weberianum</i> MH669575: Taiwan	
<i>G. microsporum</i> X78751/X78772: Taiwan ●	
<i>G. weberianum</i> Z37064/Z37086: Taiwan	
<i>G. weberianum</i> X78734/X78755: Philippines ●	
<i>G. sichuanense</i> MN523258: China	
<i>G. tenue</i> DQ424978 (2)	
<i>G. weberianum</i> EU239393/4: Australia	
<i>G. tenue</i> DQ424977 (3): China	
<i>G. sichuanense</i> MN523251: China	
<i>G. sichuanense</i> MN523256: China	
<i>G. weberianum</i> JF915411: China	
<i>G. sichuanense</i> MN523254: China	
uncultured soil fungus UDB0757071: India	<i>G. sichuanense</i>
<i>G. sichuanense</i> MN523255: China	
<i>G. sichuanense</i> MN523250: China	
<i>G. weberianum</i> AY569451: Australia	
<i>G. sichuanense</i> JQ781877: China	
<i>G. sichuanense</i> JQ781878: China	
<i>G. sichuanense</i> MN523253: China	
<i>Ganoderma</i> sp. KJ654377	
<i>G. weberianum</i> MK554771	
<i>G. tuberculosum</i> AH008107: Argentina	
<i>G. subamboinense</i> X78736/X78757: Argentina ●	
<i>G. subamboinense</i> var. <i>laevisporum</i> MG654370: USA	
<i>G. sessiliforme</i> AH008108: Brazil ●	
<i>G. mexicanum</i> MK531820: Martinique	
<i>G. subamboinense</i> var. <i>laevisporum</i> MT232638: Mexico	<i>G. mexicanum</i>
<i>G. subamboinense</i> DQ425005	
<i>G. subamboinense</i> var. <i>laevisporum</i> JQ520205 (2): Argentina	
<i>G. subamboinense</i> var. <i>laevisporum</i> MG654373: USA	
<i>G. mexicanum</i> MK531815: Martinique	
<i>G. mexicanum</i> MK531811 (2): Martinique, Mexico	
<i>G. mexicanum</i> MK531818: Martinique	
<i>G. mexicanum</i> MK531819: Martinique	
<i>G. subamboinense</i> var. <i>laevisporum</i> MG654372 (2): USA	
<i>G. parvulum</i> MK53112 (2): Cuba, French Guiana	
<i>G. weberianum</i> KU214242: USA ●	
<i>G. parvulum</i> MK554767 (3): Cuba	
<i>G. parvulum</i> MK554769 (2): Cuba, French Guiana	
<i>Ganoderma</i> sp. MK554792: Cuba	
<i>G. subamboinense</i> MK531824/MK531822: Brazil	
<i>G. parvulum</i> MK531814: French Guiana	
<i>G. weberianum</i> JN657827	<i>G. parvulum</i>
<i>G. parvulum</i> MK531821: Costa Rica	
<i>G. subamboinense</i> var. <i>laevisporum</i> MG654371: USA	
<i>G. weberianum</i> MT232635: Mexico	
<i>Ganoderma</i> sp. LT726730: Cuba	
<i>G. weberianum</i> MK531817: French Guiana	
<i>G. weberianum</i> GU731560: French Guiana	
<i>G. stipitatum</i> KC894264: Colombia	
<i>Ganoderma</i> sp. LT726731: Cuba	
<i>G. resinaceum</i> MH106883: China	
<i>Ganoderma</i> sp. MK554791: China	<i>Ganoderma</i> sp. A2
<i>G. resinaceum</i> MN398315: China ●	
<i>Ganoderma</i> sp. MH290273: India ●	
<i>Ganoderma</i> sp. MH290277 (2): India ●	
<i>G. lucidum</i> MG706253: Greece	
<i>G. resinaceum</i> KF975890	
<i>G. resinaceum</i> MN240471: Iran ●	
<i>G. lucidum</i> KT343316: Iran	
<i>G. resinaceum</i> MH571691: S. Africa	
<i>G. resinaceum</i> MH571692: S. Africa ●	
<i>G. resinaceum</i> MH796122: Egypt ●	
<i>G. resinaceum</i> LN774970	
<i>Ganoderma</i> sp. MK531816	
<i>G. resinaceum</i> MK422153: Tunisia	
<i>G. resinaceum</i> JX082328: France	
<i>Ganoderma</i> sp. KT223758	
<i>G. resinaceum</i> JN588590: Iran	
<i>G. pfeifferi</i> MG706244 (3): Greece, Iran ●	
<i>G. lucidum</i> KX371594 (2)	
<i>G. resinaceum</i> MK554772: Netherlands	
<i>G. resinaceum</i> AM269775: Italy ●	
<i>Polyporales</i> sp. JQ312182	
<i>G. resinaceum</i> MG706246 (19): Europe, China ●	
<i>G. resinaceum</i> MN759653: Iraq	
<i>G. resinaceum</i> MN488375	
<i>G. resinaceum</i> KT343317: Iran	
<i>Ganoderma</i> sp. KT223756	
<i>G. resinaceum</i> MN240470: Iran ●	
<i>G. resinaceum</i> FJ805250	
<i>G. resinaceum</i> KT343310: Iran	
<i>G. resinaceum</i> KT343303 (4): Iran	
<i>G. resinaceum</i> AM269777: Italy ●	
<i>G. resinaceum</i> MG706236: Greece	
<i>G. resinaceum</i> AM269778 (4): Europe ●	<i>G. resinaceum</i>
<i>G. resinaceum</i> FJ491948 (4): India ●	
<i>G. resinaceum</i> MK415309 (2): Slovakia	
<i>G. resinaceum</i> K1143915: France	
<i>G. resinaceum</i> AM906062: Italy ●	
<i>G. resinaceum</i> X78737 / X78758: Netherlands ●	
<i>G. resinaceum</i> MK415241: Slovakia	
<i>G. lucidum</i> MG706252: Greece ●	
<i>Polyporales</i> sp. JQ312204	
<i>G. resinaceum</i> MG706233 (12): Europe, India ●	
<i>G. resinaceum</i> MK554786: France	
<i>G. resinaceum</i> MK554766: Belgium	
<i>G. resinaceum</i> JX082326 (2): France	
<i>G. resinaceum</i> FJ491949: India ●	
<i>G. resinaceum</i> AM906064 (6): Italy, India ●	
<i>G. resinaceum</i> MG706235: Greece ●	
<i>G. resinaceum</i> MG706238: Greece ●	
<i>G. resinaceum</i> MG706241: Greece ●	
<i>G. resinaceum</i> AM269776: Italy ●	
<i>G. resinaceum</i> AY884177 (2): UK	
<i>G. resinaceum</i> MG706242 (3): Europe, S. Korea ●	
<i>G. resinaceum</i> MK415274 (3): Slovakia	
<i>G. resinaceum</i> KF605627	
<i>G. resinaceum</i> AM906065: Italy ●	
<i>G. resinaceum</i> KF605628	
<i>G. resinaceum</i> MK554775: Belgium	
<i>G. resinaceum</i> JQ520204: Czech Republic	
<i>G. resinaceum</i> Z37062/Z37085: UK	
<i>G. pfeifferi</i> X78738/X78759: UK ●	
<i>G. resinaceum</i> JN008875: Poland	
<i>G. resinaceum</i> MG706243: Bulgaria ●	
<i>G. resinaceum</i> MH854909: UK	
<i>G. resinaceum</i> GU451246 (2): India	



Supplementary Figure S2b. Phylogenetic reconstruction of the genus *Ganoderma* inferred from ML analysis based on ITS sequence data (pDS1b; Table 2) for Clade A, Cluster A.2. ML bootstrap values (BS) $\geq 65\%$ and Bayesian posterior probabilities (BPP) ≥ 0.95 are shown. Sequences names on the left appear as initially labelled, and are followed by the respective GenBank/ENA/DBJ or UNITE accession no., while the total number of identical entries corresponding to a particular sequence is placed in parentheses, followed by the type of host plant (legend for the colored shapes is found at the lower left side of tree) and geographic origin of the respective material (the latter appears in different font color depending on the continent of provenance; see also Tables 1 and S2). Species names on the right correspond to those inferred in this study evaluated in conjunction with literature data. Sequences included in the respective Figure (Fig. 4) of the manuscript appear in bold typeface, while underlined sequences are those originating from type material. Scale bar: 0.01 nucleotide substitutions per site.