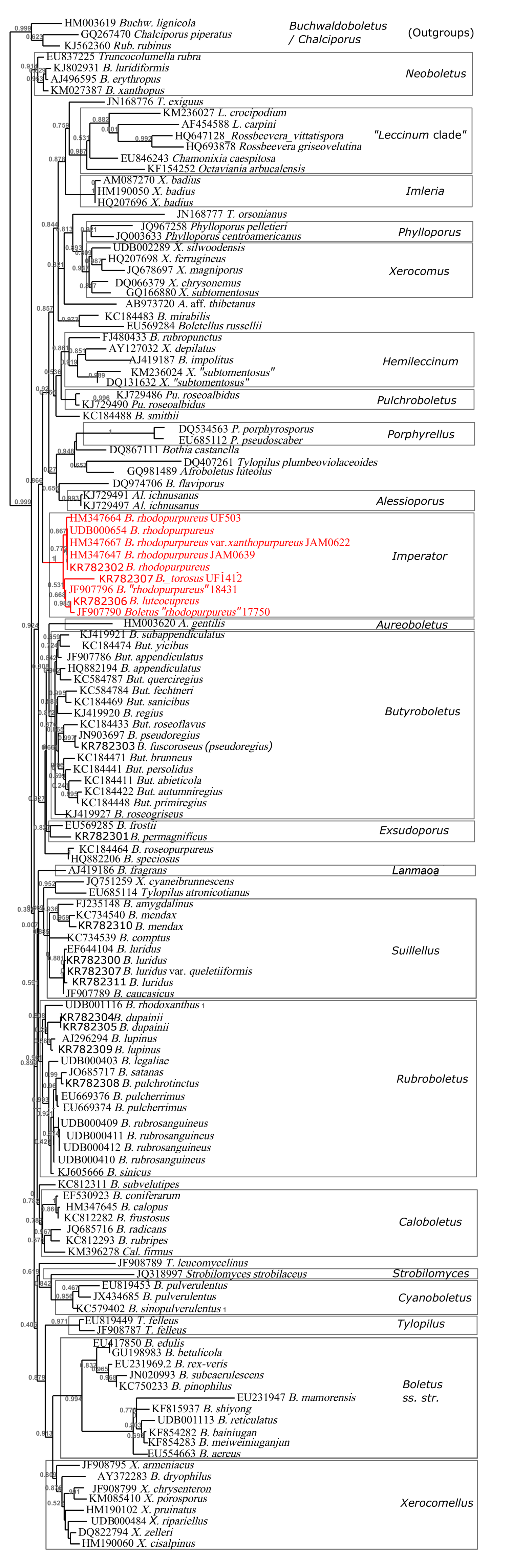
HM003619 Buchw. lignicola
GQ267470 Chalciporus piperatus
KJ562360 Rub. rubinus
Buchwaldoboletus / Chalciporus
(Outgroups)
EU837225 Truncocolumella rubra
KJ802931 B. luridiformis
AJ496595 B. erythropus
KM027387 B. xanthopus
Neoboletus
JN168776 T. exiguus
KM236027 L. crocipodium
AF454588 L. carpini
HQ647128 Rossbeevera vittatispora
HQ693878 Rossbeevera griseovelutina
EU846243 Chamonixia caespitosa
KF154252 Octaviania arbucalensis
"Leccinum clade"
AM087270 X. badius
HM190050 X. badius
HQ207696 X. badius
Imleria
JN168777 T. orsonianus
JQ967258 Phylloporus pelletieri
JQ003633 Phylloporus centroamericanus
Phylloporus
UDB002289 X. silwoodensis
HQ207698 X. ferrugineus
JQ678697 X. magniporus
DQ066379 X. chrysonemus
GQ166880 X. subtomentosus
Xerocomus
AB973720 A. aff. thibetanus
KC184483 B. mirabilis
EU569284 Boletellus russellii
FJ480433 B. rubropunctus
AY127032 X. depilatus
AJ419187 B. impolitus
KM236024 X. "subtomentosus"
DQ131632 X. "subtomentosus"
Hemileccinum
KJ729486 Pu. roseoalbidus
KJ729490 Pu. roseoalbidus
Pulchroboletus
KC184488 B. smithii
DQ534563 P. porphyrosporus
EU685112 P. pseudoscaber
Porphyrellus
DQ867111 Bothia castanella
DQ407261 Tylopilus plumbeoviolaceoides
GQ981489 Afroboletus luteolus
DQ974706 B. flaviporus
KJ729491 Al. ichnusanus
KJ729497 Al. ichnusanus
Alessioporus
HM347664 B. rhodopurpureus UF503
UDB000654 B. rhodopurpureus
HM347667 B. rhodopurpureus var.xanthopurpureus JAM0622
HM347647 B. rhodopurpureus JAM0639
KR782302 B. rhodopurpureus
KR782307 B. torosus UF1412
JF907796 B. "rhodopurpureus" 18431
KR782306 B. luteocupreus
JF907790 Boletus "rhodopurpureus" 17750
Imperator
HM003620 A. gentilis
Aureoboletus
KJ419921 B. subappendiculatus
KC184474 But. yicibus
JF907786 But. appendiculatus
HQ882194 B. appendiculatus
KC584787 But. querciregius
KC584784 But. fechtneri
KC184469 But. sanicibus
KJ419920 B. regius
KC184433 But. roseoflavus
JN903697 B. pseudoregius
KR782303 B. fuscoroseus (pseudoregius)
KC184471 But. brunneus
KC184441 But. persolidus
KC184411 But. abieticola
KC184422 But. autumniregius
KC184448 But. primiregius
KJ419927 B. roseogriseus
Butyroboletus
EU569285 B. frostii
KR782301 B. permagnificus
Exsudoporus
KC184464 B. roseopurpureus
HQ882206 B. speciosus
AJ419186 B. fragrans
Lanmaoa
JQ751259 X. cyaneibrunnescens
EU685114 Tylopilus atronicotianus
FJ235148 B. amygdalinus
KC734540 B. mendax
KR782310 B. mendax
KC734539 B. comptus
EF644104 B. luridus
KR782300 B. luridus
KR782307 B. luridus var. queletiiformis
KR782311 B. luridus
JF907789 B. caucasicus
Suillellus
UDB001116 B. rhodoxanthus
KR782304 B. dupainii
KR782305 B. dupainii
AJ296294 B. lupinus
KR782309 B. lupinus
UDB000403 B. legaliae
JO685717 B. satanas
KR782308 B. pulchrotinctus
EU669376 B. pulcherrimus
EU669374 B. pulcherrimus
UDB000409 B. rubrosanguineus
UDB000411 B. rubrosanguineus
UDB000412 B. rubrosanguineus
UDB000410 B. rubrosanguineus
KJ605666 B. sinicus
Rubroboletus
KC812311 B. subvelutipes
EF530923 B. coniferarum
HM347645 B. calopus
KC812282 B. frustosus
JQ685716 B. radicans
KC812293 B. rubripes
KM396278 Cal. firmus
Caloboletus
JF908789 T. leucomycelinus
JQ318997 Strobilomyces strobilaceus
Strobilomyces
EU819453 B. pulverulentus
JX434685 B. pulverulentus
KC579402 B. sinopulverulentus
Cyanoboletus
EU819449 T. felleus
JF908787 T. felleus
Tylopilus
EU417850 B. edulis
GU198983 B. betulicola
EU231969.2 B. rex-veris
JN020993 B. subcaerulescens
KC750233 B. pinophilus
EU231947 B. mamorensis
KF815937 B. shiyong
UDB001113 B. reticulatus
KF854282 B. bainiugan
KF854283 B. meiweiniuganjun
EU554663 B. aereus
Boletus ss. str.
JF908795 X. armeniacus
AY372283 B. dryophilus
JF908799 X. chrysenteron
KM085410 X. porosporus
HM190102 X. pruinatus
UDB000484 X. ripariellus
DQ822794 X. zelleri
HM190060 X. cisalpinus
Xerocomellus