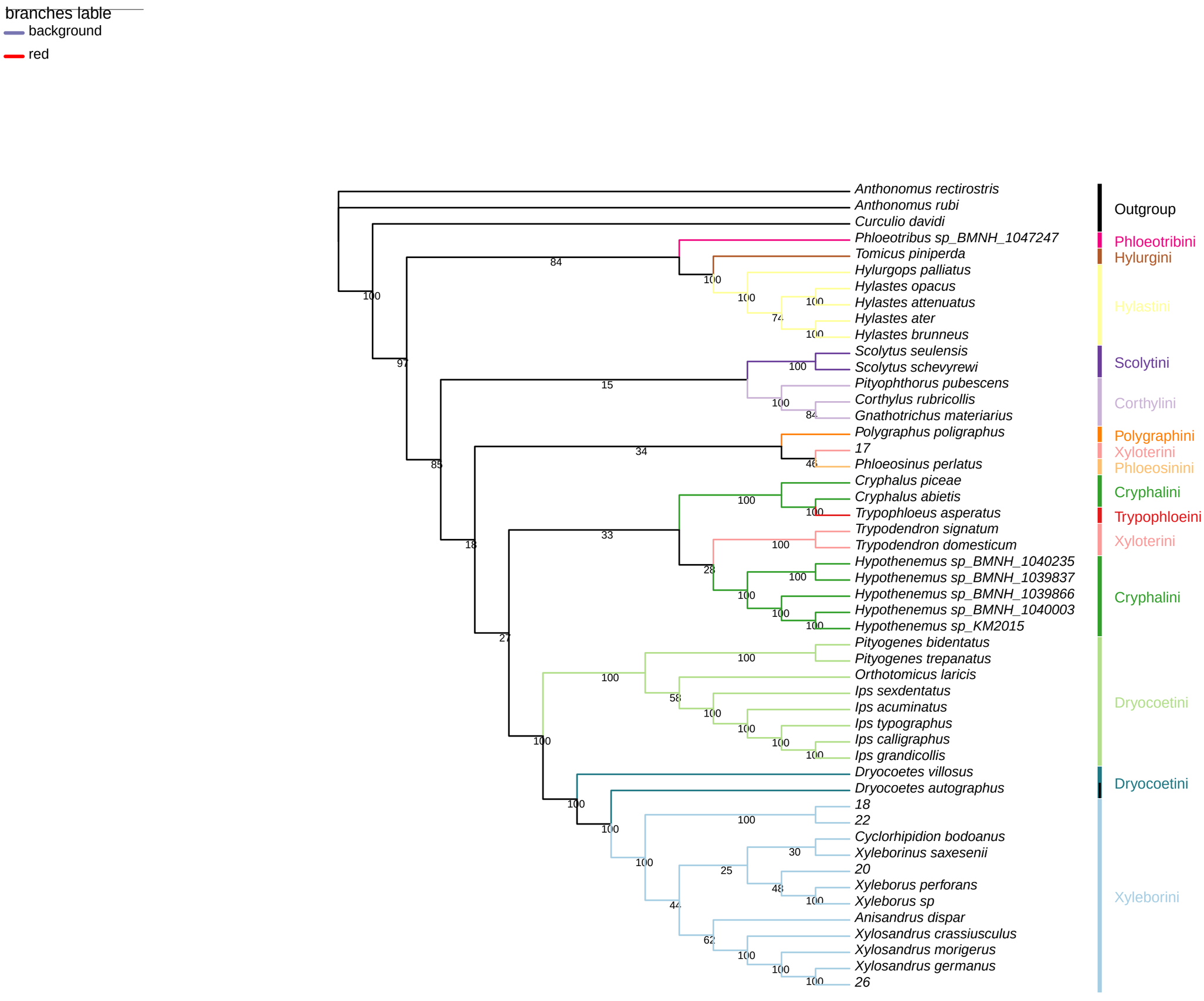
branches lable
background
red
Anthonomus rectirostris
Anthonomus rubi
Curculio davidi
Phloeotribus sp_BMNH_1047247
Tomicus piniperda
Hylurgops palliatus
Hylastes opacus
Hylastes attenuatus
Hylastes ater
Hylastes brunneus
Scolytus seulensis
Scolytus schevyrewi
Pityophthorus pubescens
Corthylus rubricollis
Gnathotrichus materiarius
Polygraphus poligraphus
17
Phloeosinus perlatus
Cryphalus piceae
Cryphalus abietis
Trypophloeus asperatus
Trypodendron signatum
Trypodendron domesticum
Hypothenemus sp_BMNH_1040235
Hypothenemus sp_BMNH_1039837
Hypothenemus sp_BMNH_1039866
Hypothenemus sp_BMNH_1040003
Hypothenemus sp_KM2015
Pityogenes bidentatus
Pityogenes trepanatus
Orthotomicus laricis
Ips sexdentatus
Ips acuminatus
Ips typographus
Ips calligraphus
Ips grandicollis
Dryocoetes villosus
Dryocoetes autographus
18
22
Cyclorhipidion bodoanus
Xyleborinus saxesenii
20
Xyleborus perforans
Xyleborus sp
Anisandrus dispar
Xylosandrus crassiusculus
Xylosandrus morigerus
Xylosandrus germanus
26
Outgroup
Phloeotribini
Hylurgini
Hylastini
Scolytini
Corthylini
Polygraphini
Xyloterini
Phloeosinini
Cryphalini
Trypophloeini
Xyloterini
Cryphalini
Dryocoetini
Dryocoetini
Xyleborini