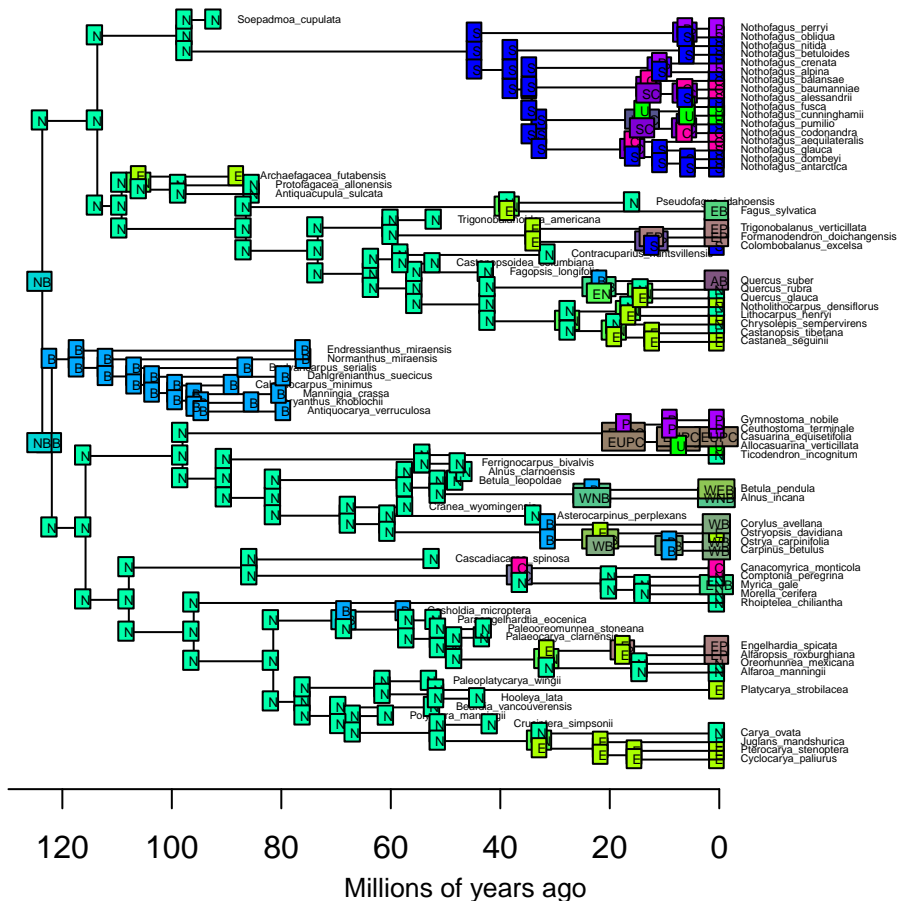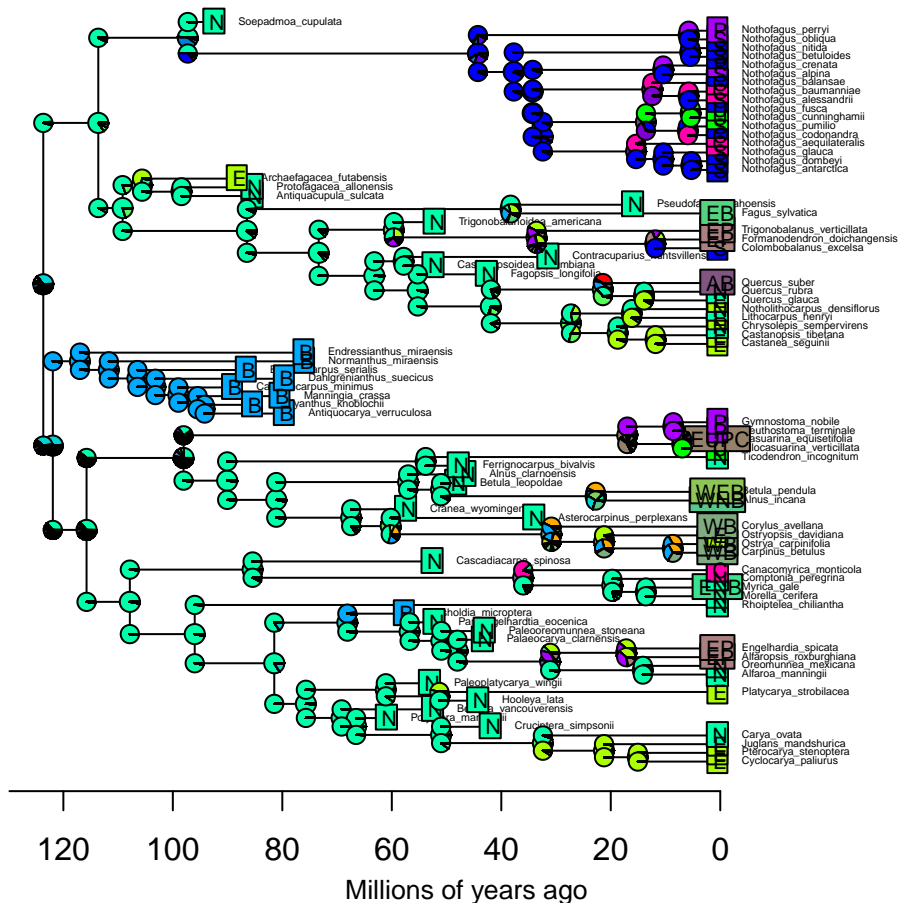**BioGeoBEARS DEC**
ancstates: global optim, 5 areas max. d=0.0017; e=0.0019; j=0; LnL=−210.89
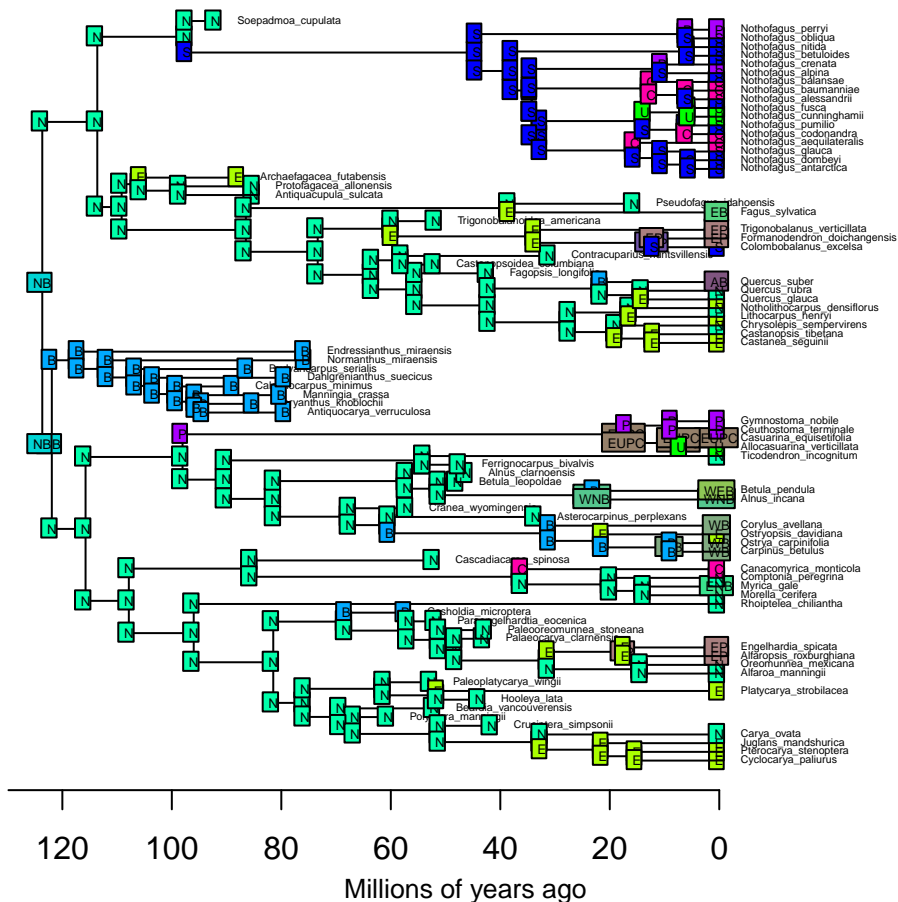
BioGeoBEARS DEC
ancstates: global optim, 5 areas max. d=0.0017; e=0.0019; j=0; LnL=−210.89

Soepadmoa_cupulata
Nothofagus_perryi
Nothofagus_obliqua
Nothofagus_nitida
Nothofagus_betuloides
Nothofagus_crenata
Nothofagus_alpina
Nothofagus_balansae
Nothofagus_baumanniae
Nothofagus_alessandrii
Nothofagus_fusca
Nothofagus_cunninghamii
Nothofagus_pumilio
Nothofagus_codonandra
Nothofagus_aequilateralis
Nothofagus_glauca
Nothofagus_dombeyi
Nothofagus_antarctica
Archaefagacea_futabensis
Protofagacea_allonensis
Antiquacupula_sulcata
Pseudofagus_idahoensis
Fagus_sylvatica
Trigonobalanoides_americana
Trigonobalanus_verticillata
Formanodendron_doichangensis
Colombobalanus_excelsa
Contracuparius_rentsvillens
Castanopsoidea_columbiana
Fagopsis_longifolii
Quercus_suber
Quercus_rubra
Quercus_glauca
Notholithocarpus_densiflorus
Lithocarpus_henryi
Chrysolepis_sempervirens
Castanopsis_tibetana
Castanea_seguinii
Endressianthus_miraensis
Normanthus_miraensis
Carpus_serialis
Dahlgrenianthus_suecicus
Casuarinocarpus_minimus
Manningia_crassa
Ivanthus_khoblochii
Antiquacarya_verruculosa
Gymnostoma_nobile
Ceuthostoma_terminale
Casuarina_equisetifolia
Allocasuarina_verticillata
Ticodendron_incognitum
Ferrignocarpus_bivalvis
Alnus_clarnoensis
Betula_leopoldae
Betula_pendula
Alnus_incana
Cranea_wyomingensis
Asterocarpinus_perplexans
Corylus_avellana
Ostryopsis_davidiana
Ostrya_carpinifolia
Carpinus_betulus
Cascadiacarpa_spinosa
Canacomyrica_monticola
Comptonia_peregrina
Myrica_gale
Morella_cerifera
Rhoiptelea_chiliantha
Casholdia_microptera
Engelhardtia_eocenica
Paleooreomunnea_stoneana
Palaeocarya_clarnensis
Engelhardia_spicata
Alfaropsis_roxburghiana
Oreomunnea_mexicana
Alfaroa_manningii
Paleoplatycarya_wingii
Platycarya_strobilacea
Hooleya_lata
Polyptera_vancouverensis
Paraengelhardia_manningii
Cruciptera_simpsonii
Carya_ovata
Juglans_mandshurica
Pterocarya_stenoptera
Cyclocarya_paliurus

120	100	80	60	40	20	0

Millions of years ago

BioGeoBEARS DEC+J
ancstates: global optim, 5 areas max. d=9e−04; e=0; j=0.0241; LnL=−193.17

BioGeoBEARS DEC+J
ancstates: global optim, 5 areas max. d=9e−04; e=0; j=0.0241; LnL=−193.17