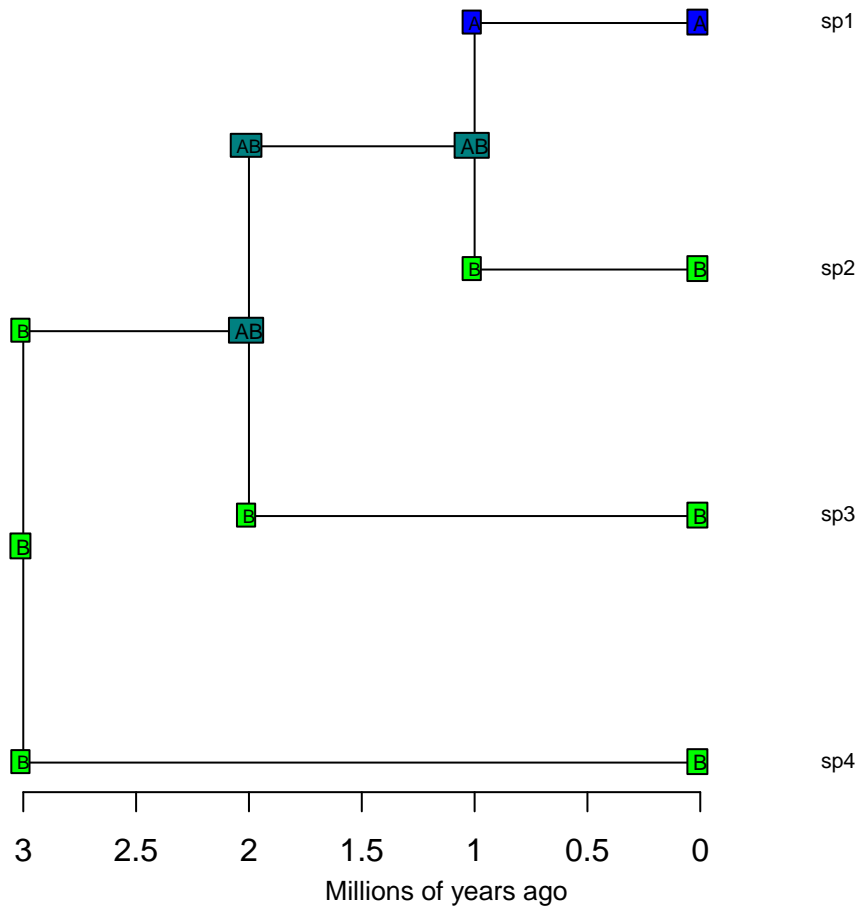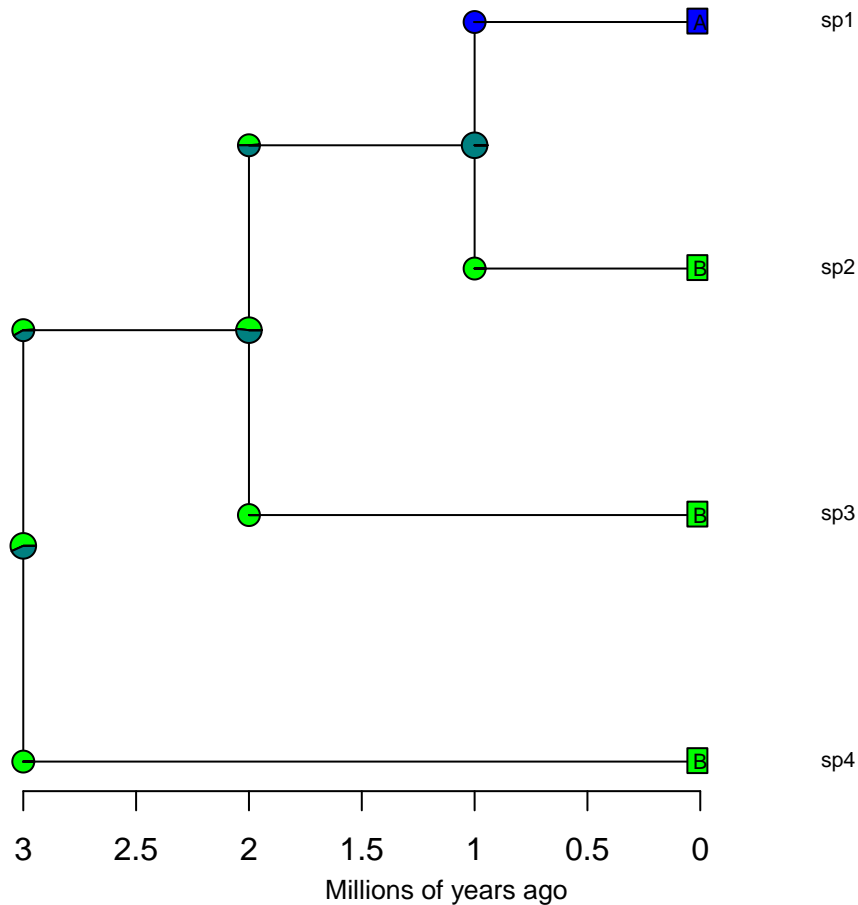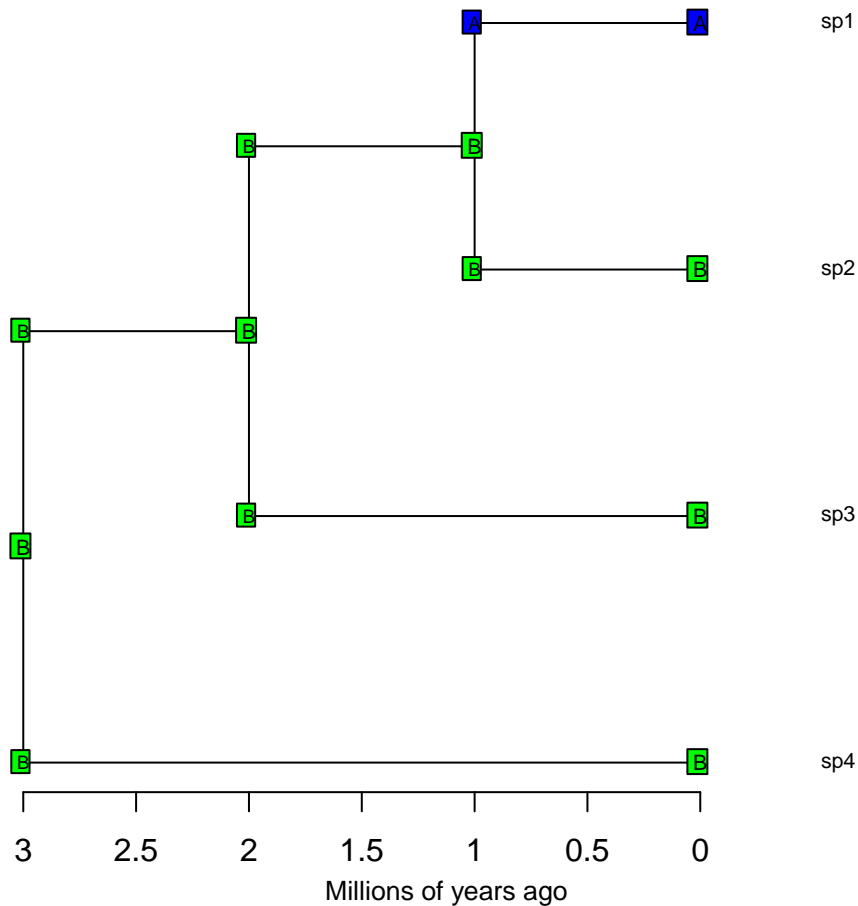**DEC, likelihood_surfaces_3max/geog_4species.data**
**ancstates: global optim, 3 areas max. d=0.0332; e=0; j=0; LnL=−5.07**

**DEC, likelihood_surfaces_3max/geog_4species.data**
**ancstates: global optim, 3 areas max. d=0.0332; e=0; j=0; LnL=−5.07**

**DEC+J, likelihood_surfaces_3max/geog_4species.data**
**ancstates: global optim, 3 areas max. d=0; e=0; j=0.1895; LnL=−2.95**

**DEC+J, likelihood_surfaces_3max/geog_4species.data**
**ancstates: global optim, 3 areas max. d=0; e=0; j=0.1895; LnL=−2.95**