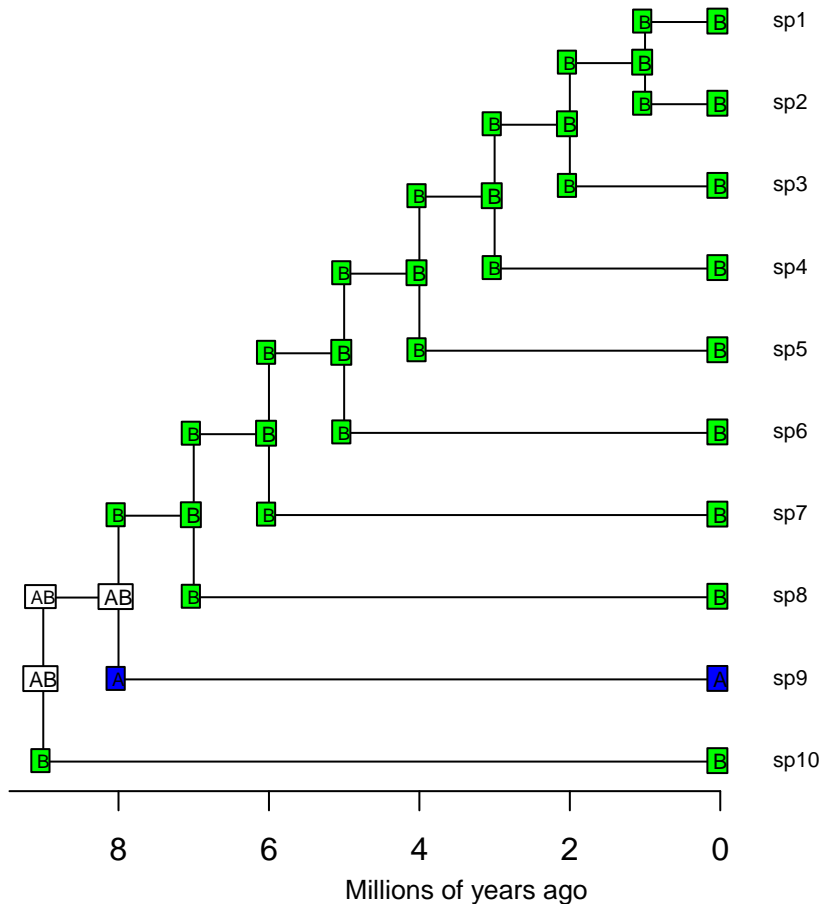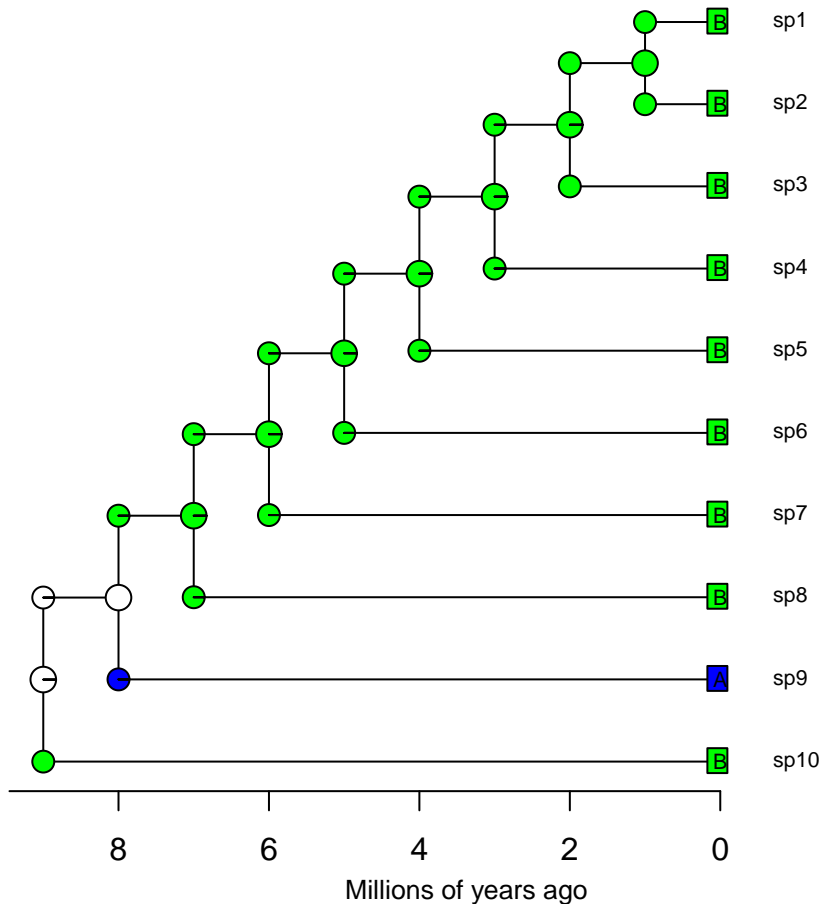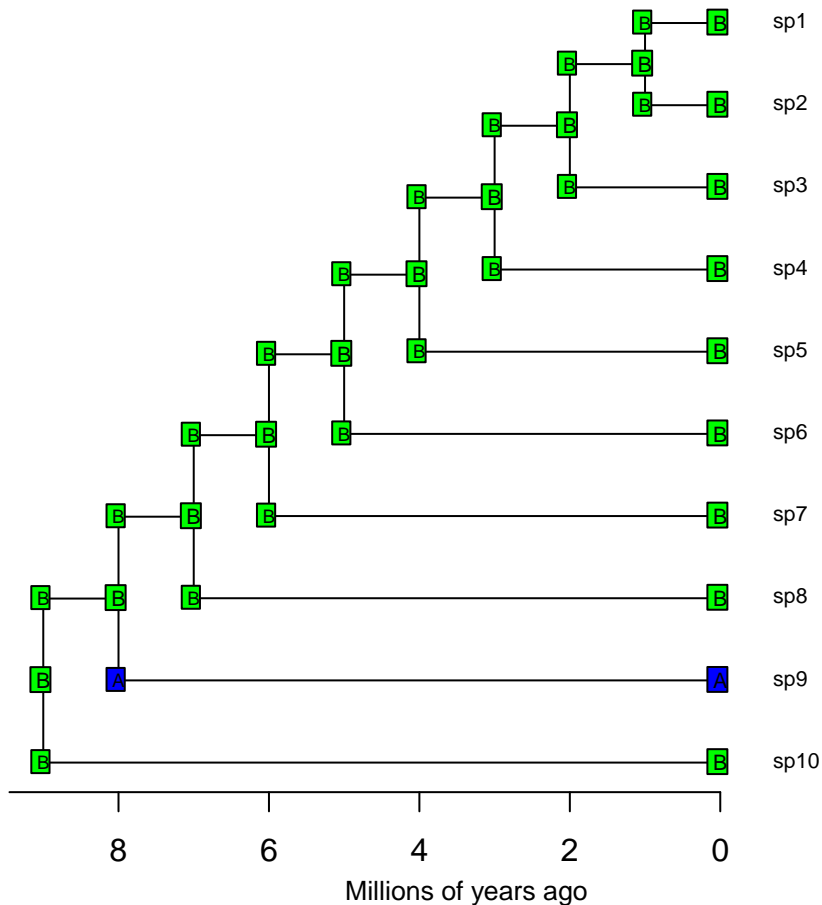**DEC, likelihood_surfaces_A2ndBranch/geog_10species.data**
**ancstates: global optim, 2 areas max. d=0; e=0; j=0; LnL=−3.58**

**DEC, likelihood_surfaces_A2ndBranch/geog_10species.data**
**ancstates: global optim, 2 areas max. d=0; e=0; j=0; LnL=−3.58**

**DEC+J, likelihood_surfaces_A2ndBranch/geog_10species.data**
**ancstates: global optim, 2 areas max. d=0; e=0; j=0.0448; LnL=−3.18**

**DEC+J, likelihood_surfaces_A2ndBranch/geog_10species.data**
**ancstates: global optim, 2 areas max. d=0; e=0; j=0.0448; LnL=−3.18**