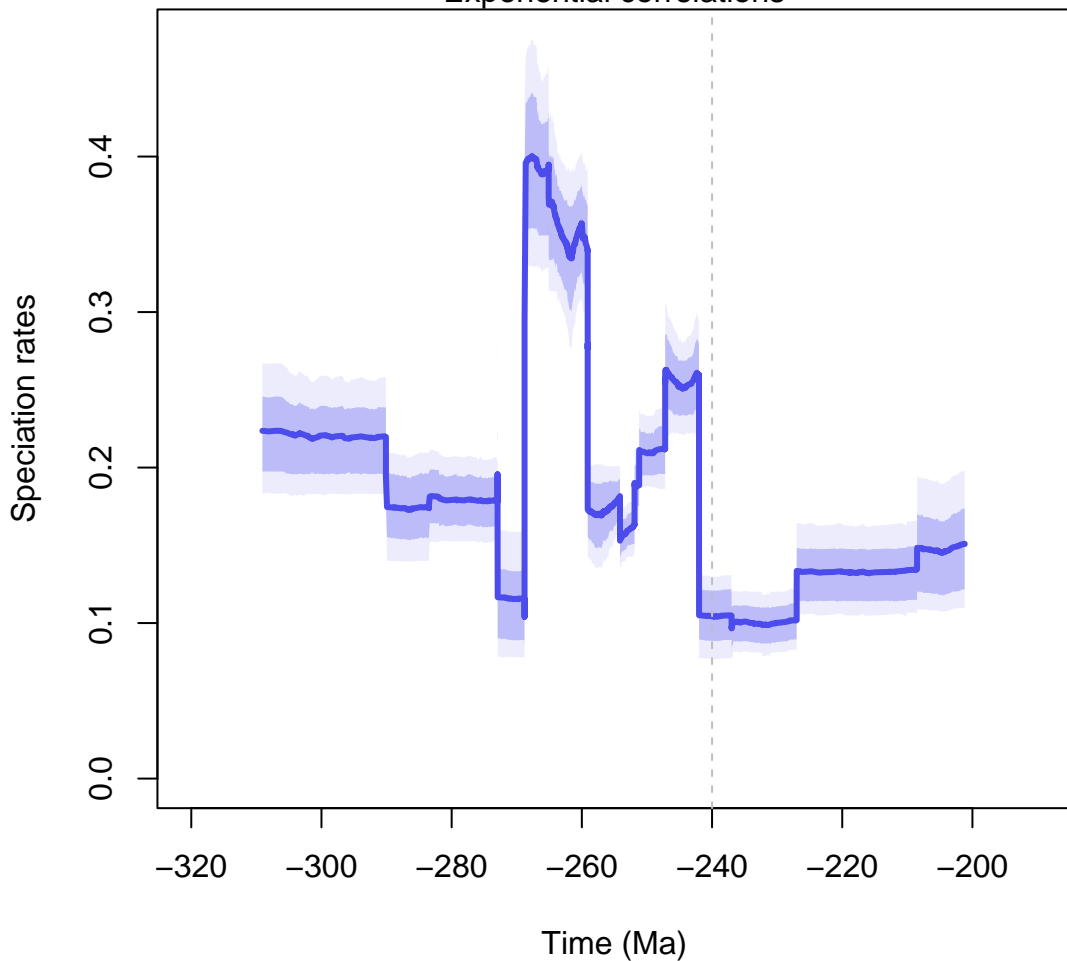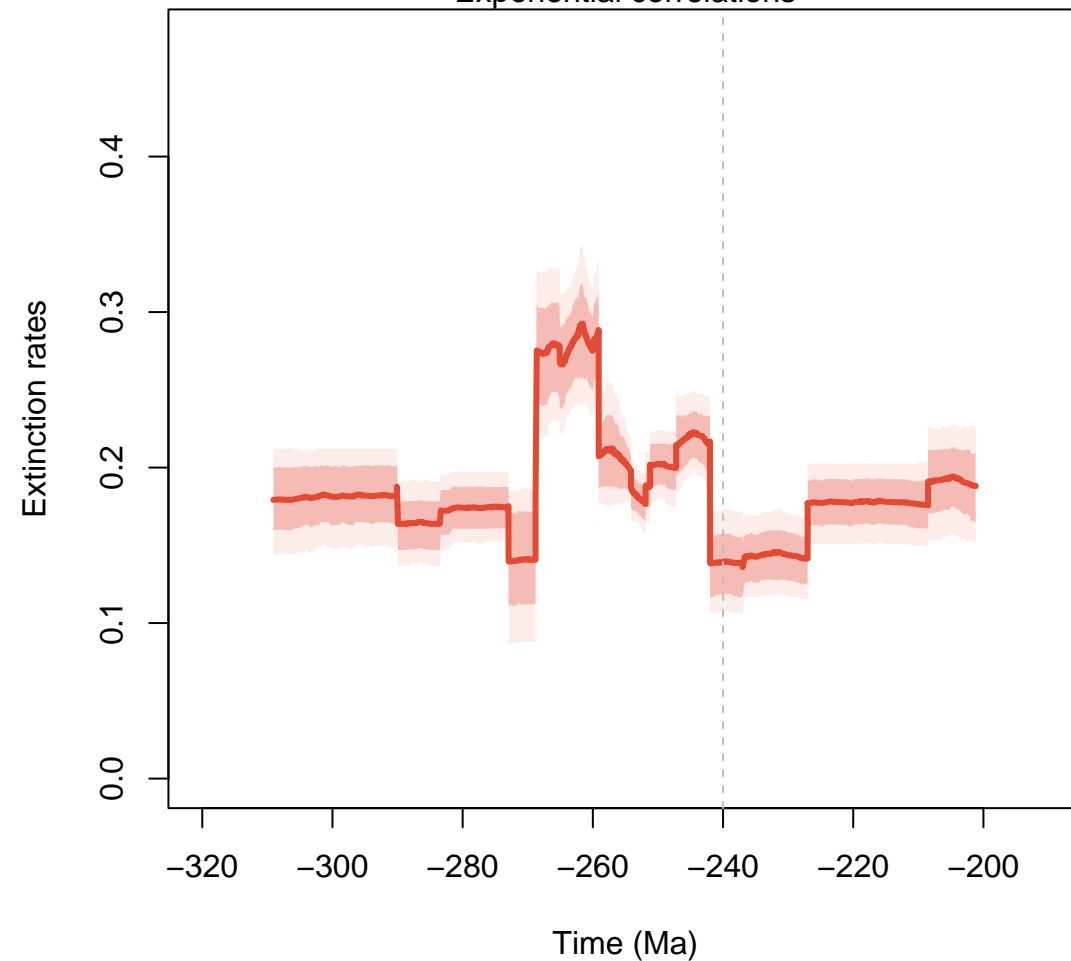**Speciation rates – Combined effects**

Exponential correlations
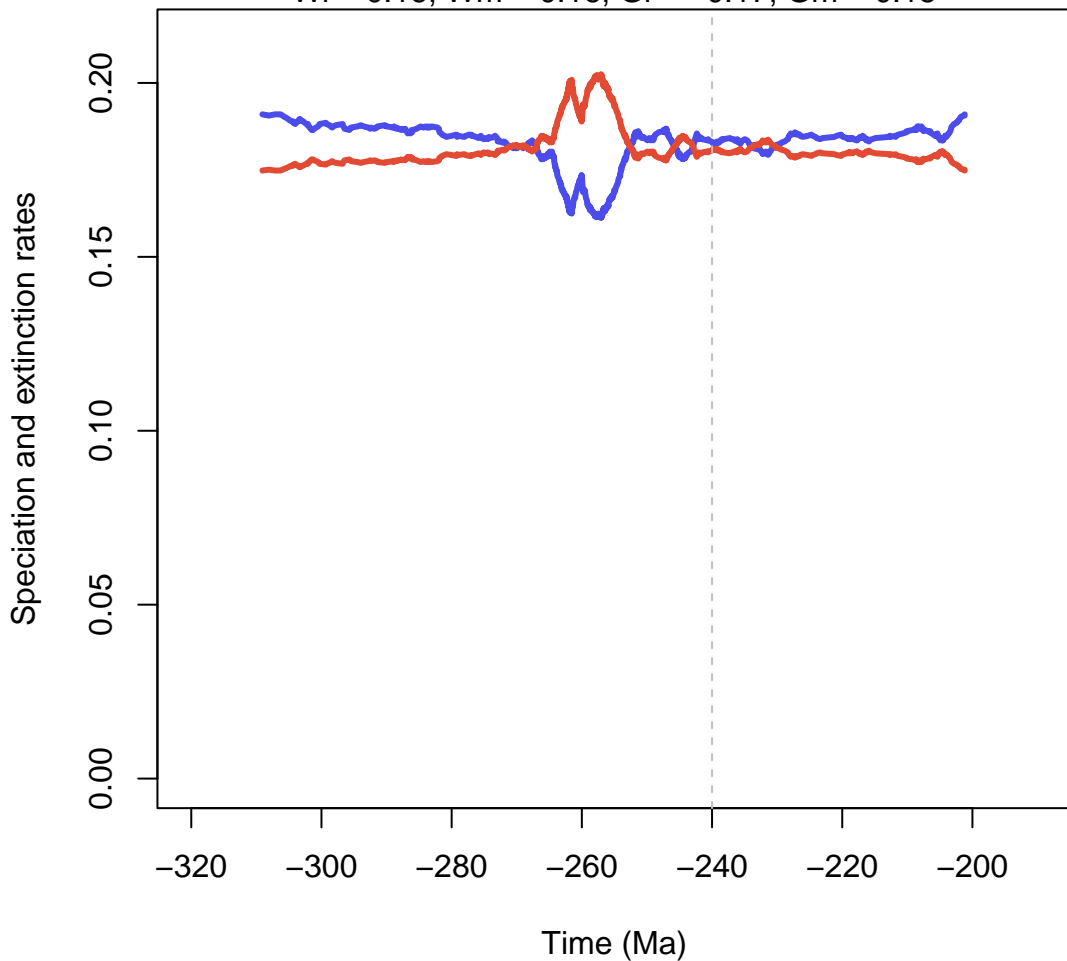
Extinction rates – Combined effects
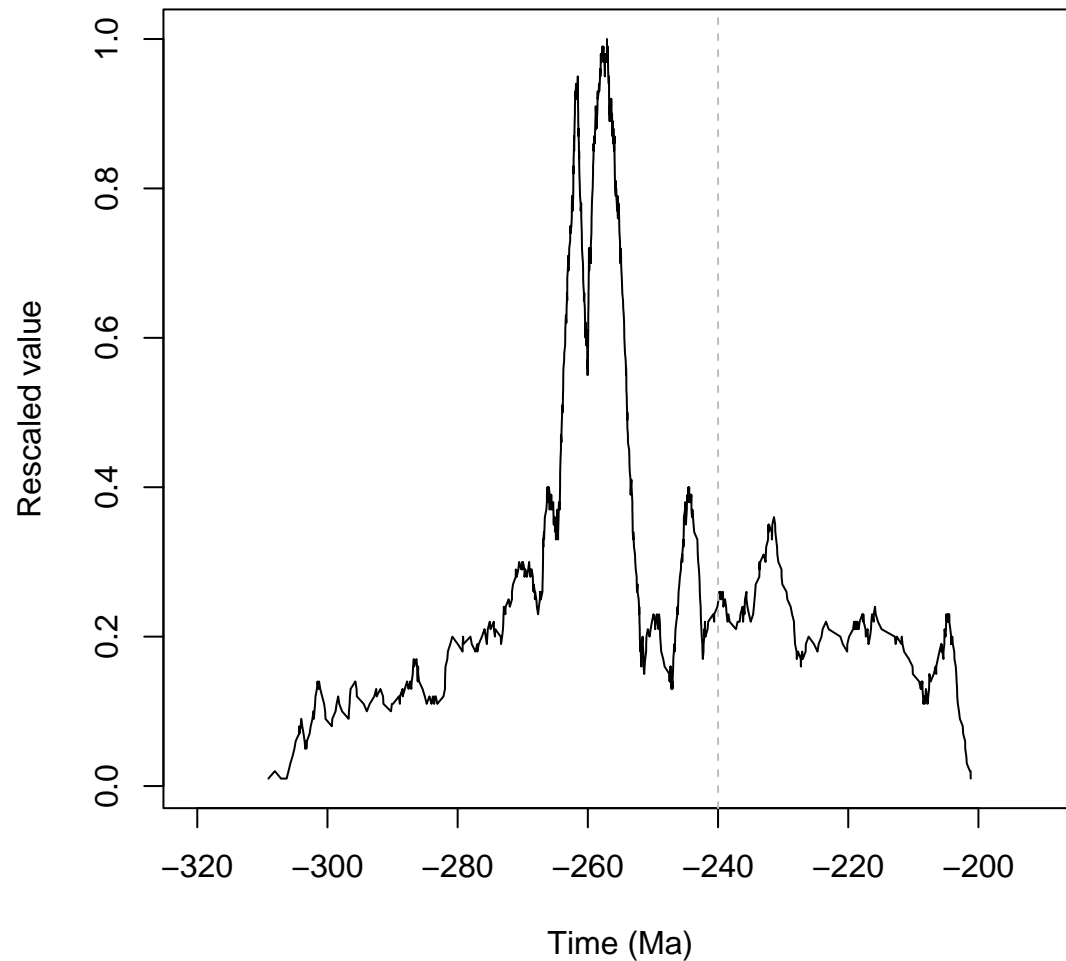
Exponential correlations

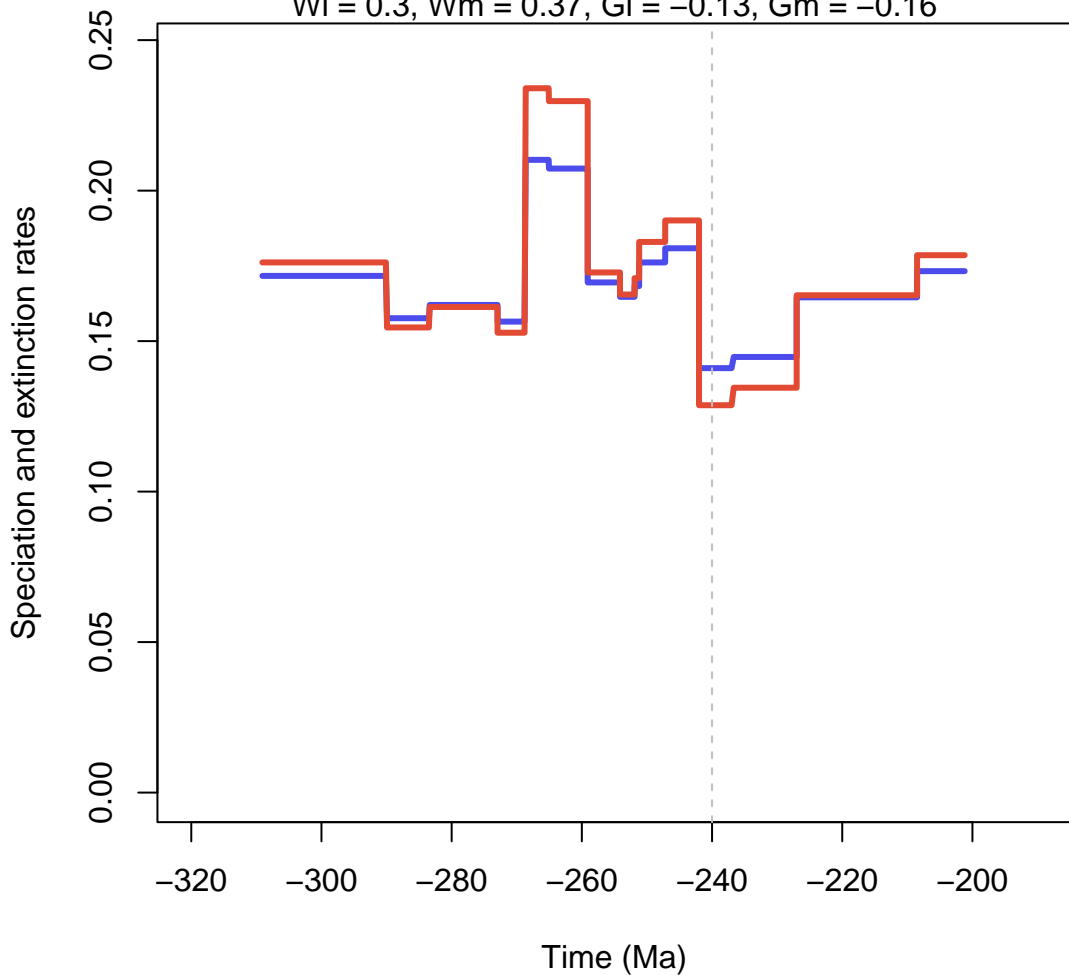**Effect of: Diversity dependence**

WI = 0.16, Wm = 0.16, GI = −0.17, Gm = 0.15
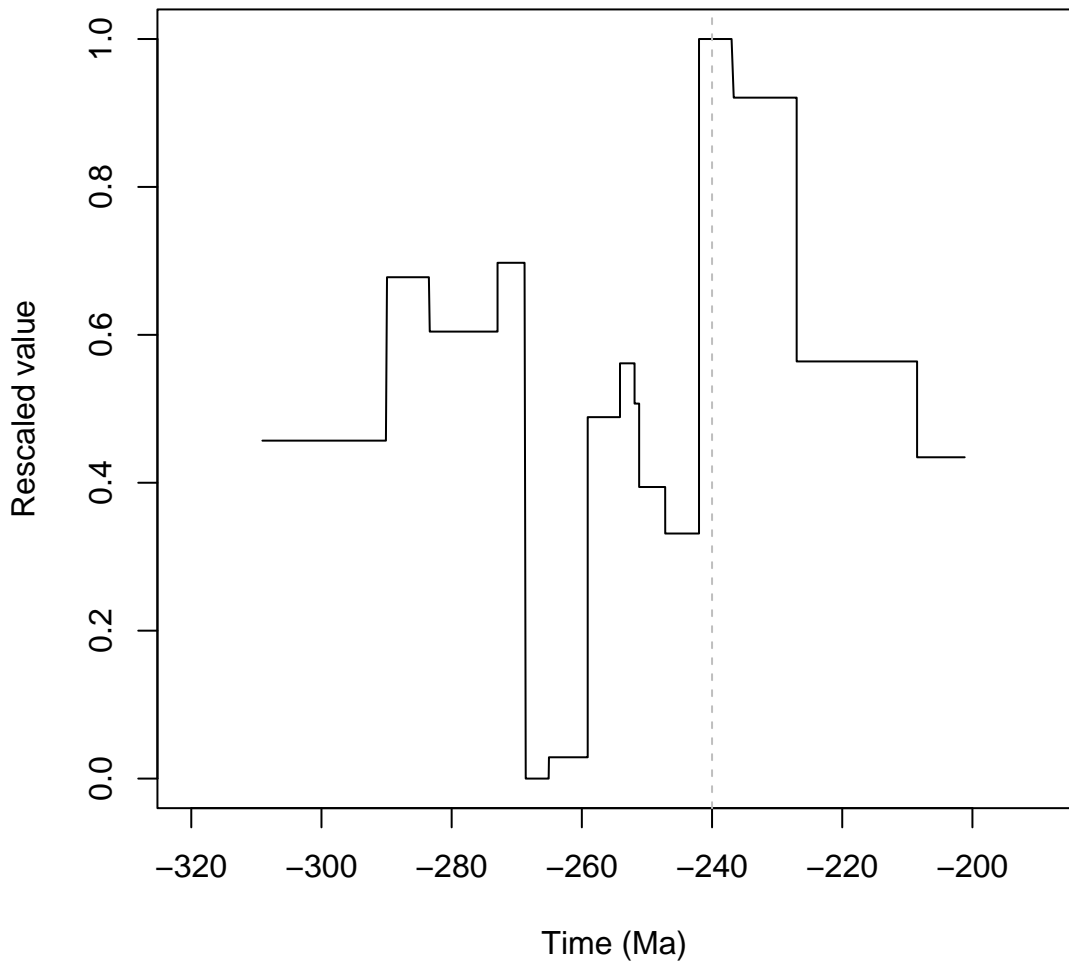
Trajectory of variable: Diversity dependence

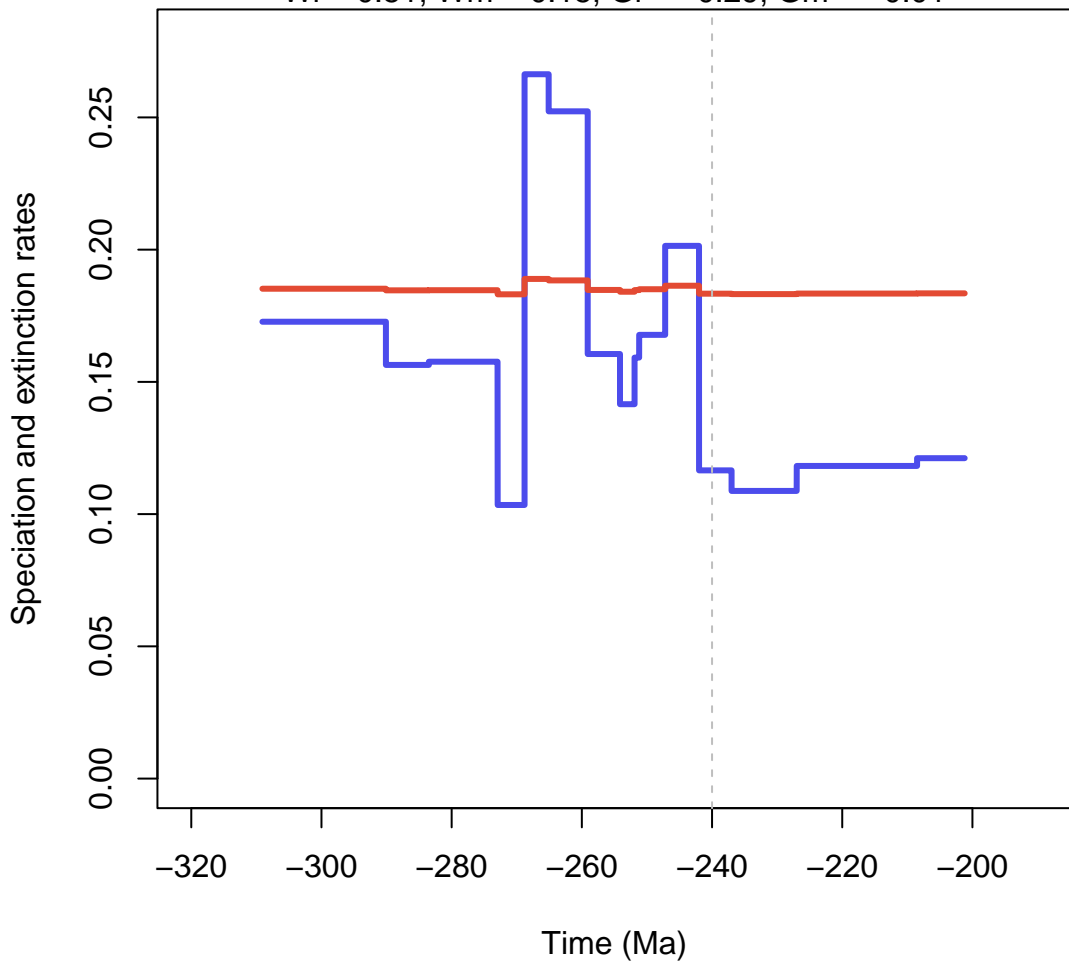**Effect of: map_scaled**

WI = 0.3, Wm = 0.37, GI = −0.13, Gm = −0.16
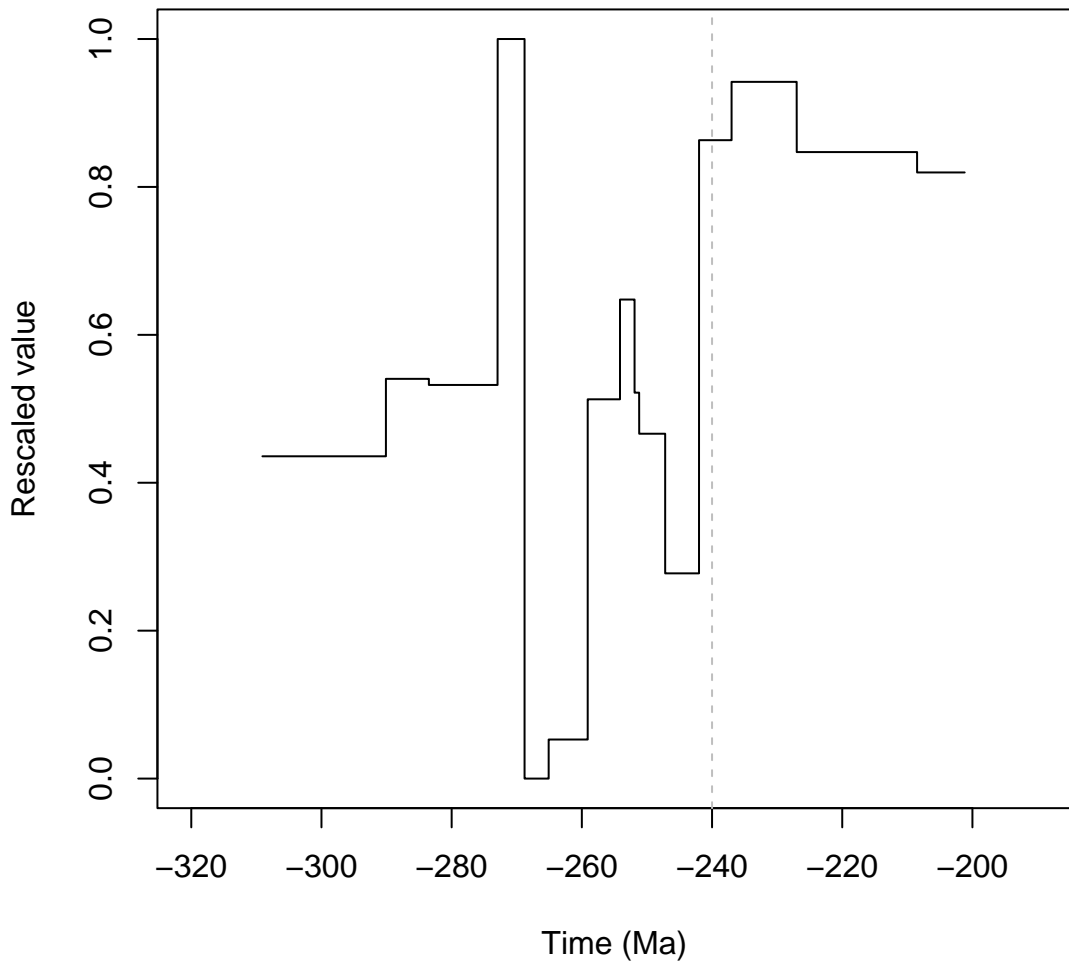
Trajectory of variable: map_scaled

Effect of: mat_scaled

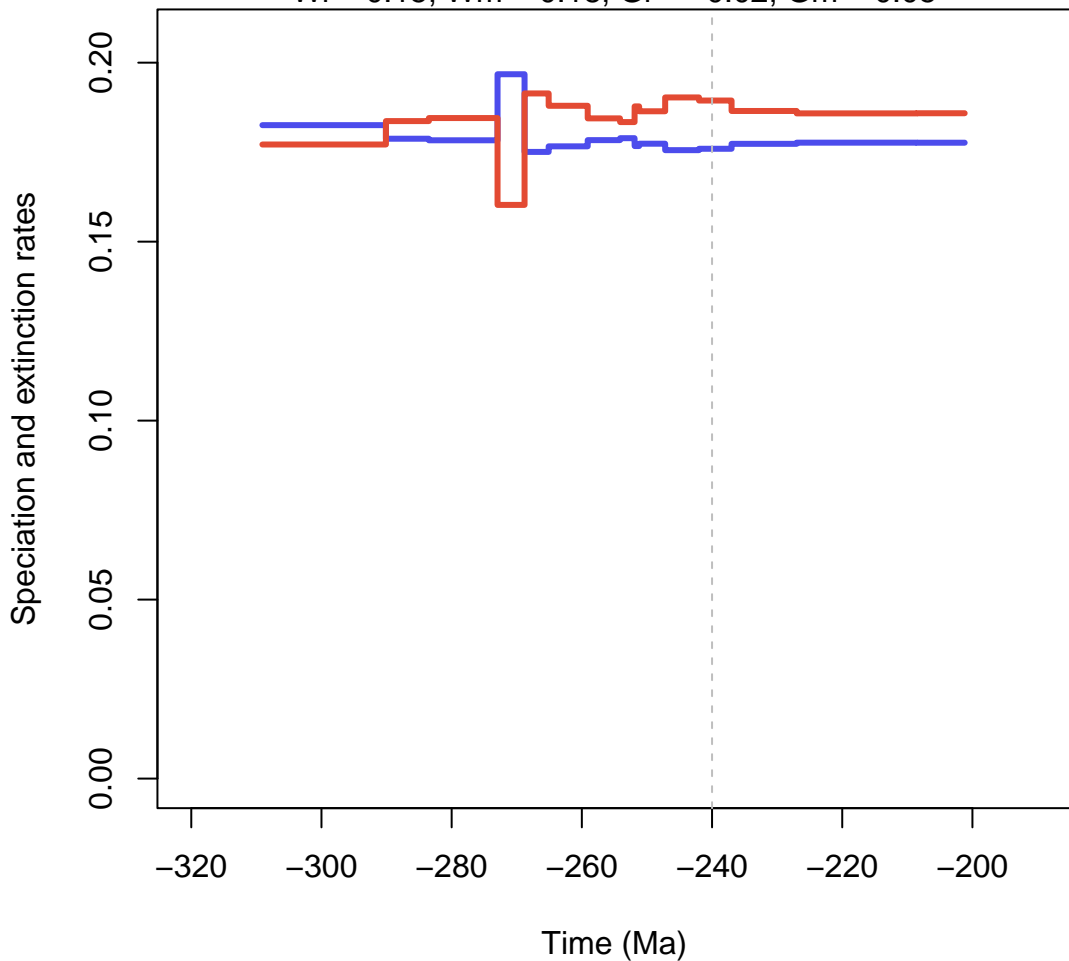WI = 0.51, Wm = 0.15, GI = −0.29, Gm = −0.01

Trajectory of variable: mat_scaled

Effect of: wmmcmm_scaled

WI = 0.15, Wm = 0.18, GI = −0.02, Gm = 0.05

Trajectory of variable: wmmcmm_scaled