Speciation rates – Combined effects

Exponential correlations

Speciation rates — Time (Ma)
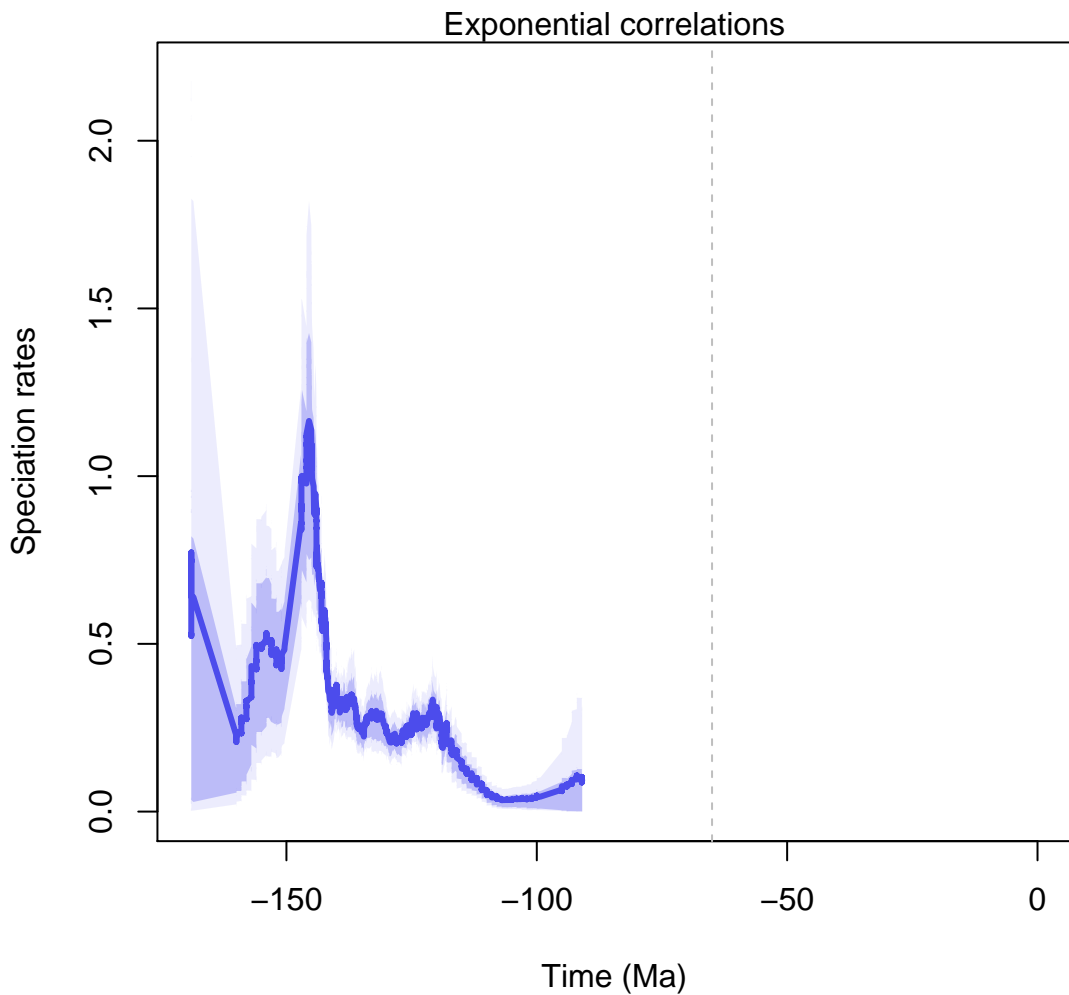
Extinction rates – Combined effects

Exponential correlations
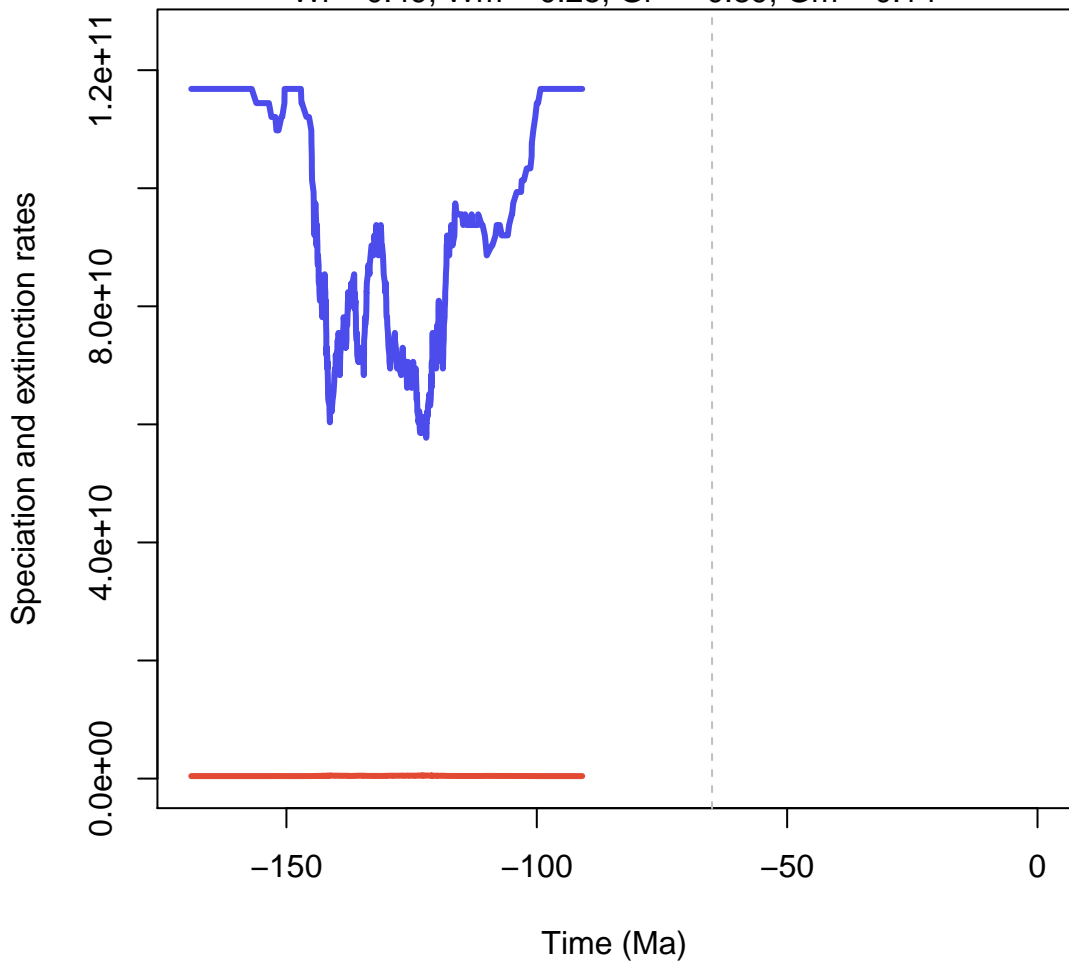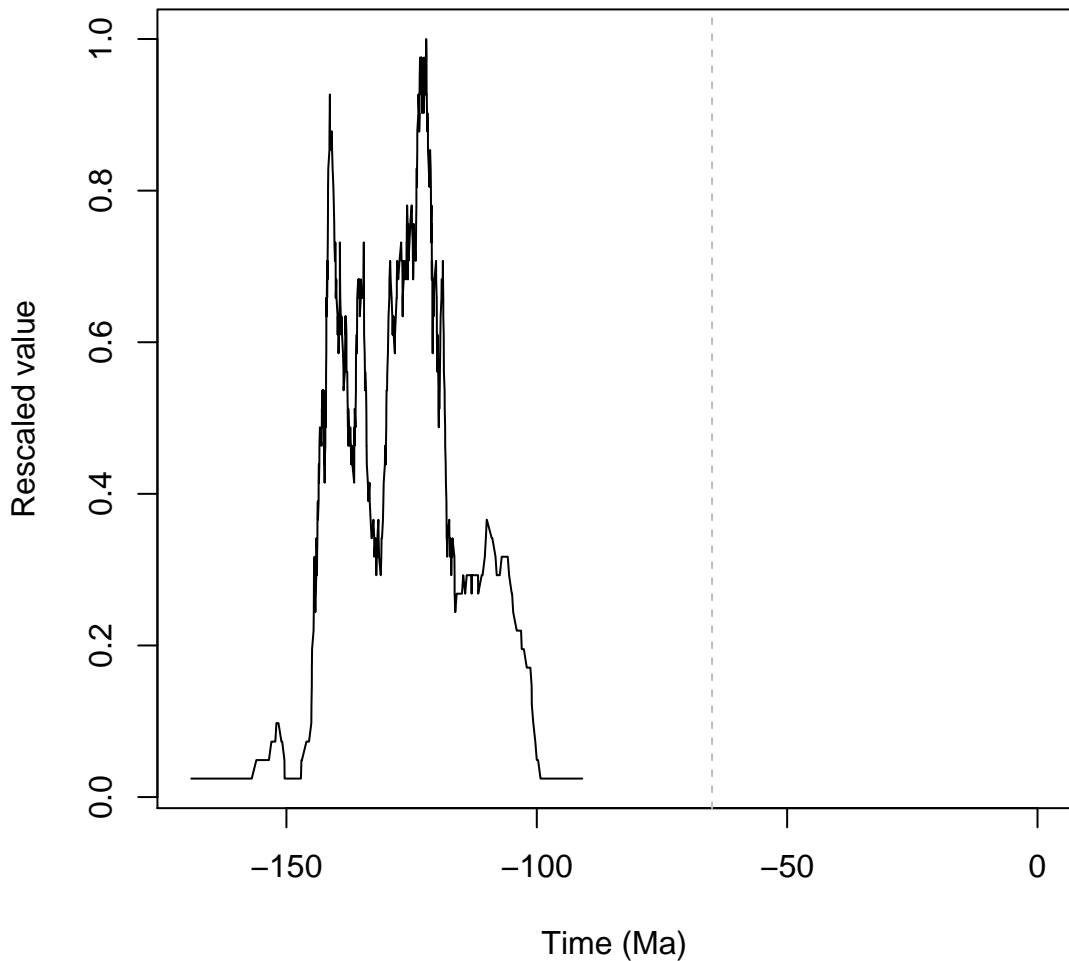
Extinction rates — Time (Ma)
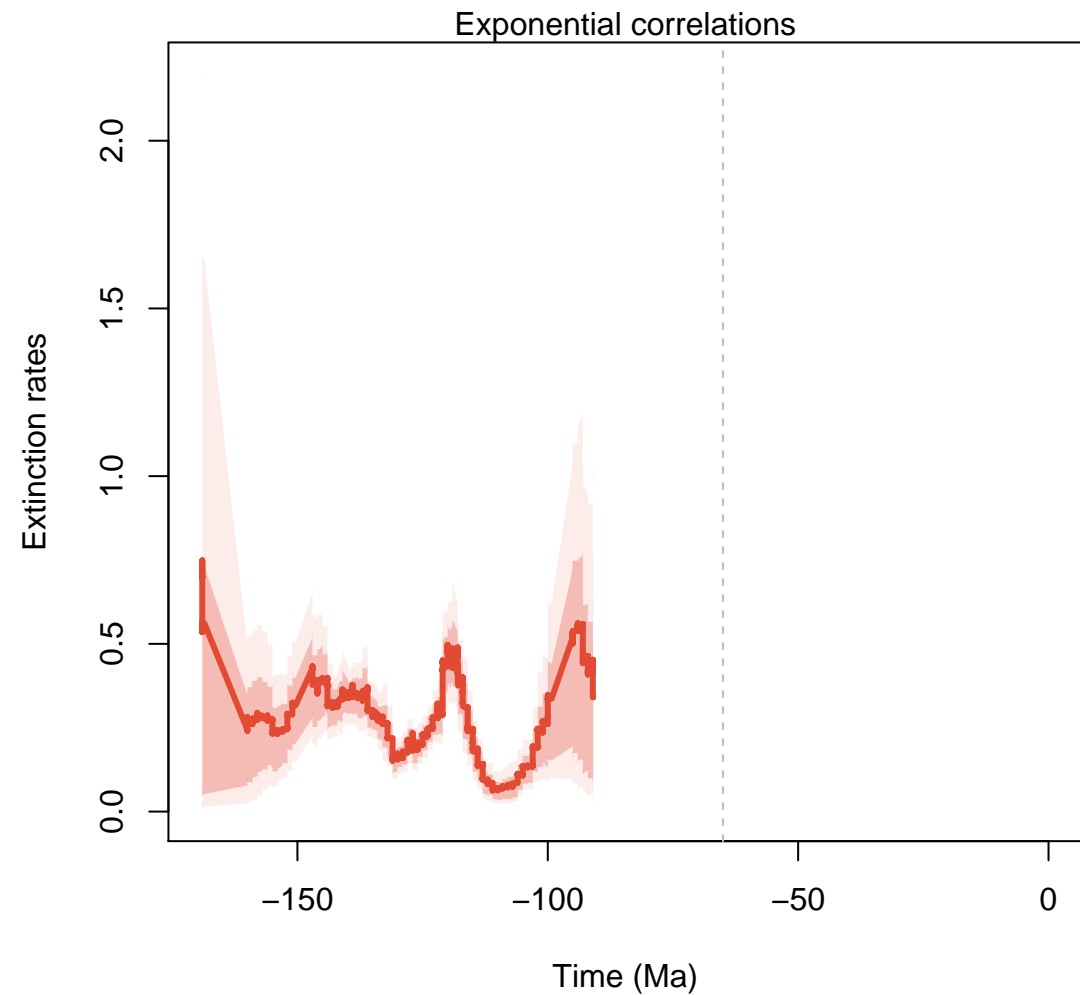
Effect of: Diversity dependence

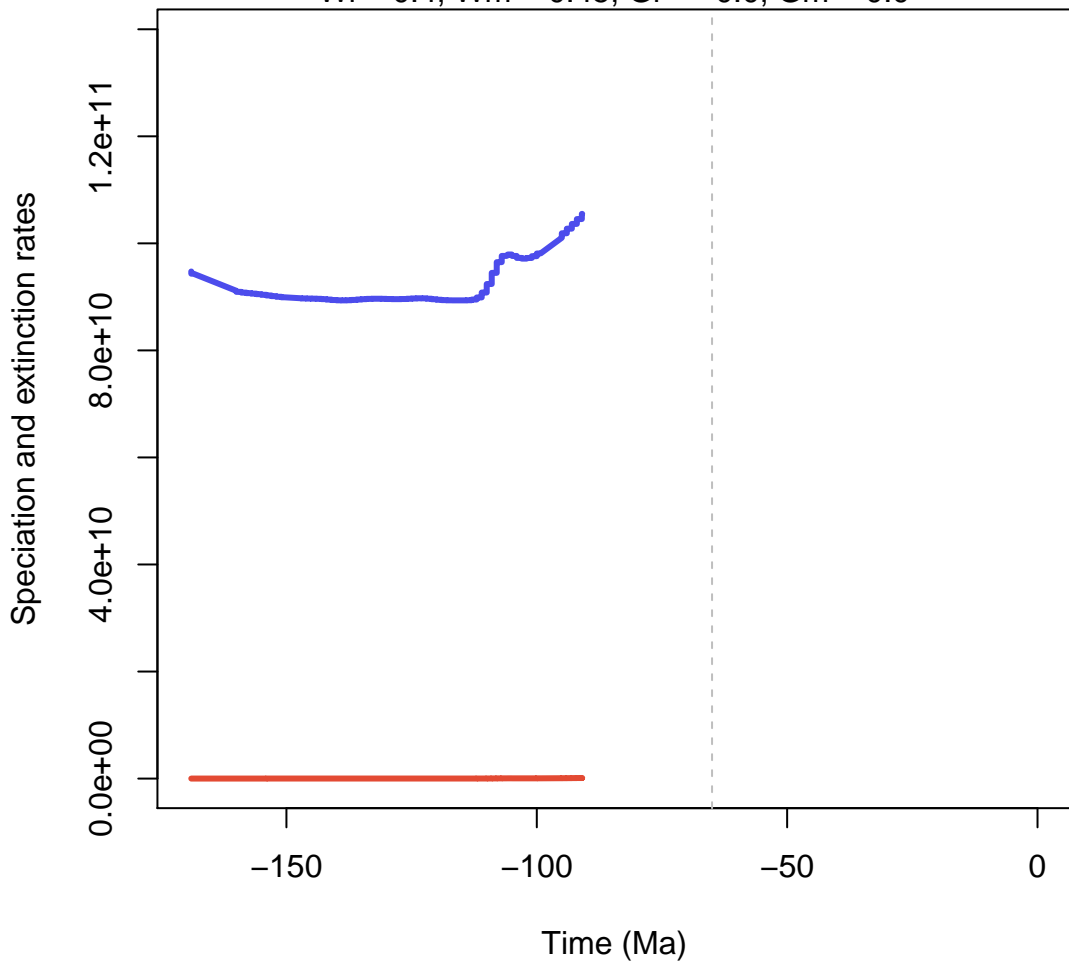Wl = 0.49, Wm = 0.25, Gl = −0.89, Gm = 0.14

Trajectory of variable: Diversity dependence
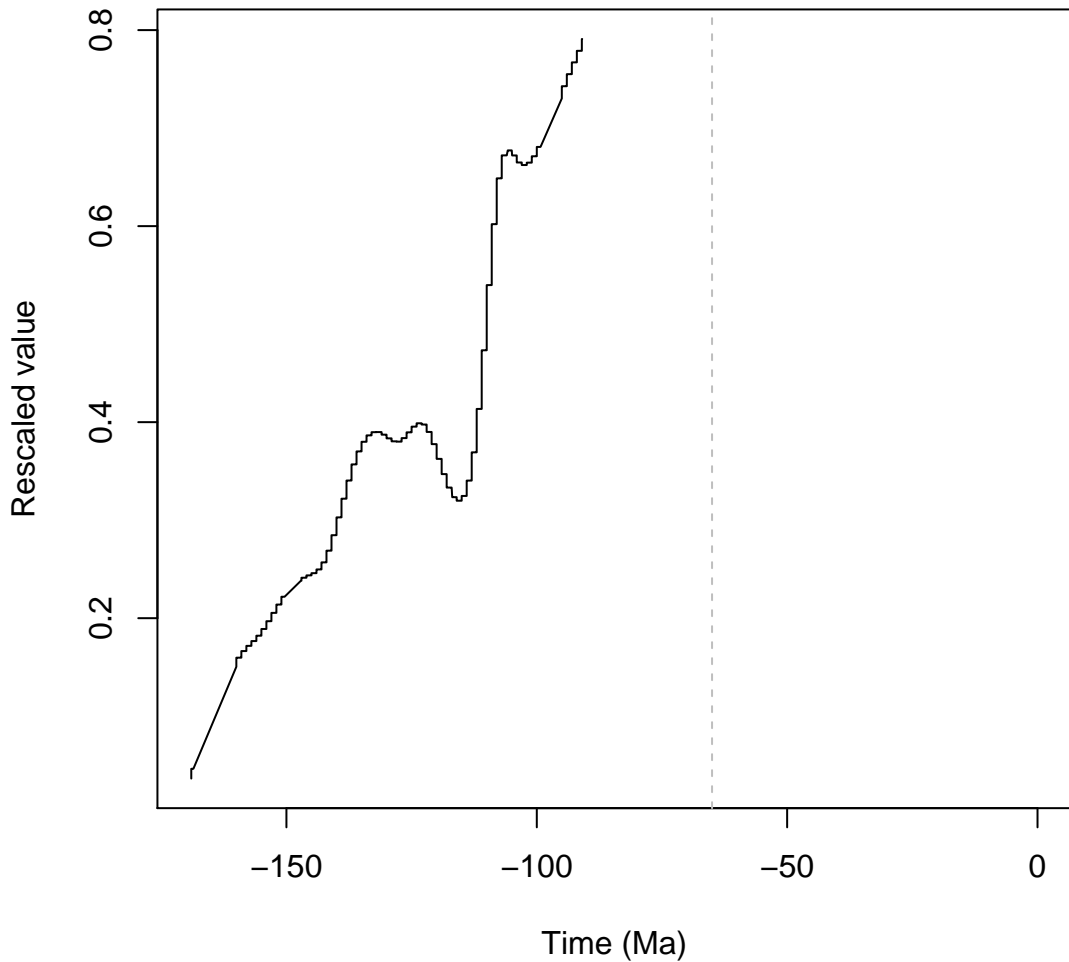
Effect of: BN_Global_interpolated
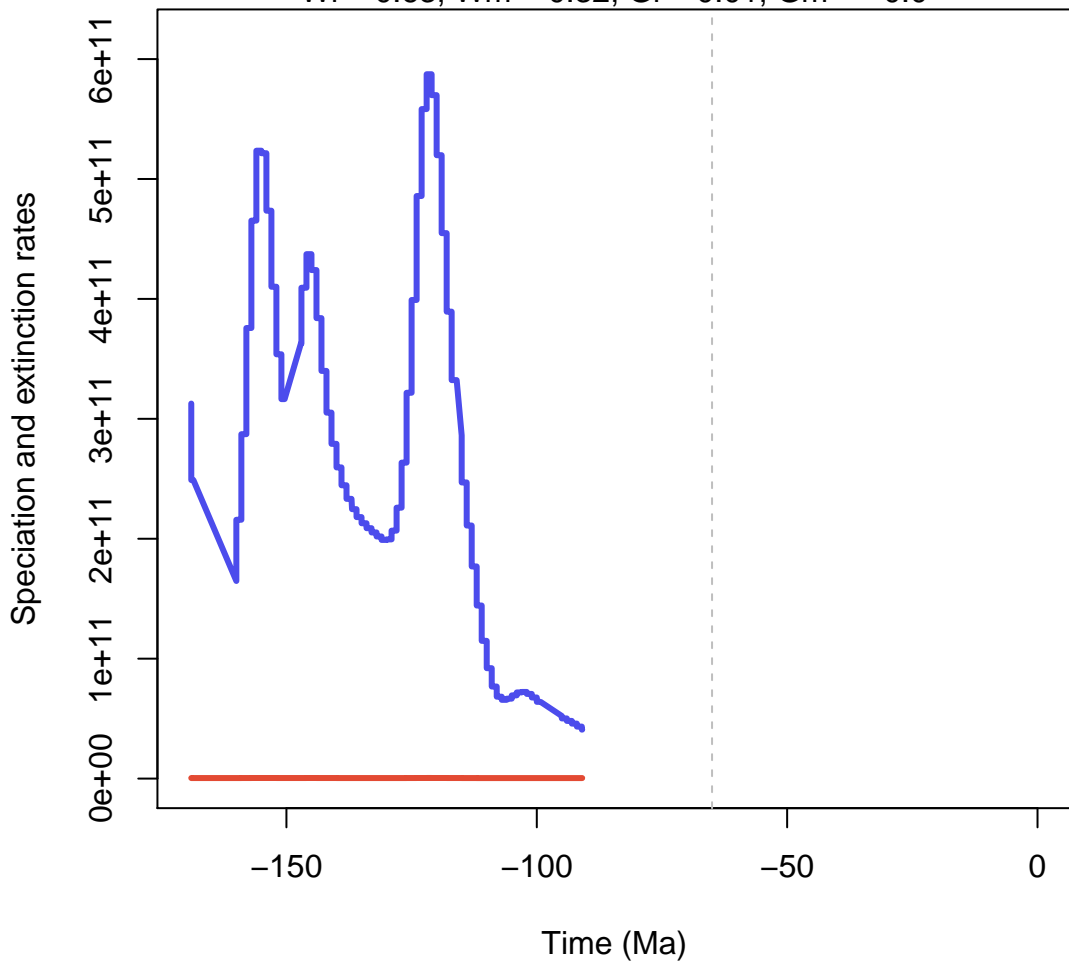
WI = 0.4, Wm = 0.45, GI = −0.0, Gm = 0.0

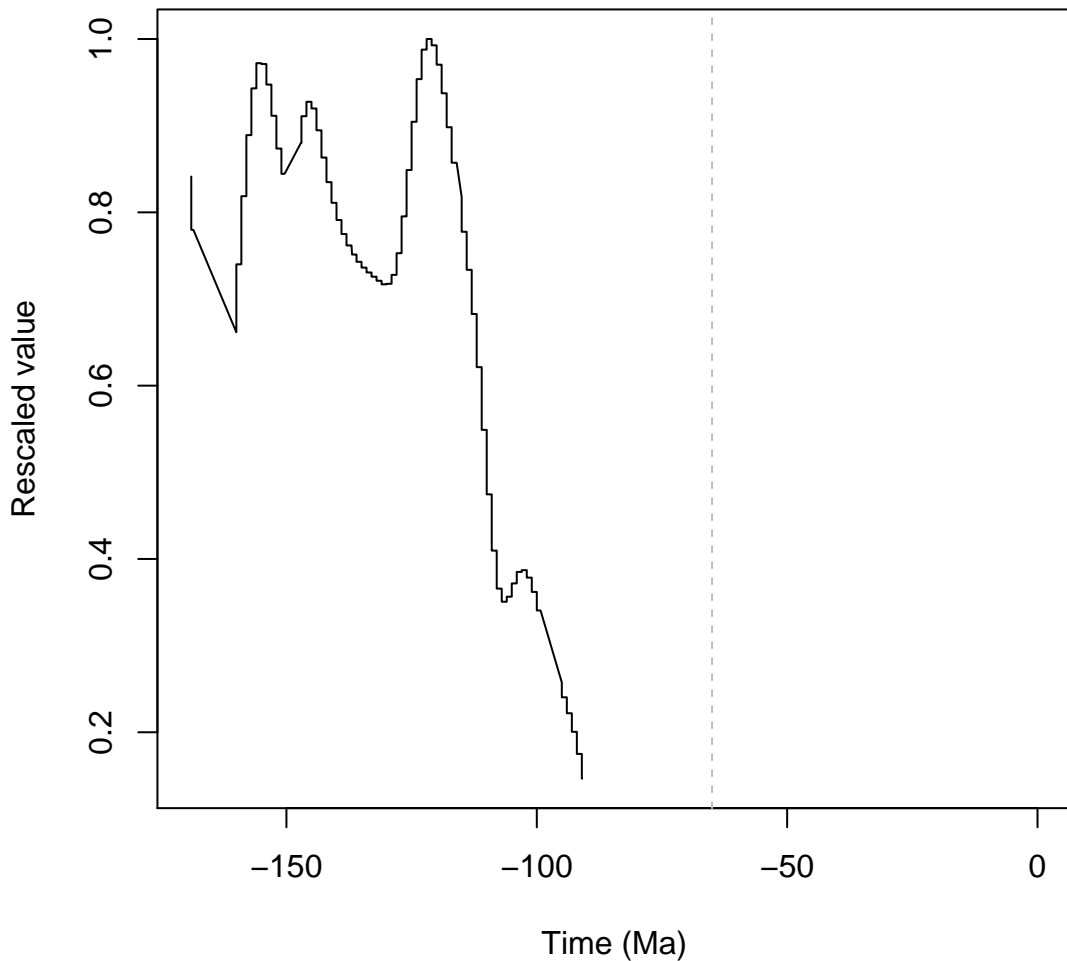**Trajectory of variable: BN_Global_interpolated**

Effect of: BS_Global_interpolated
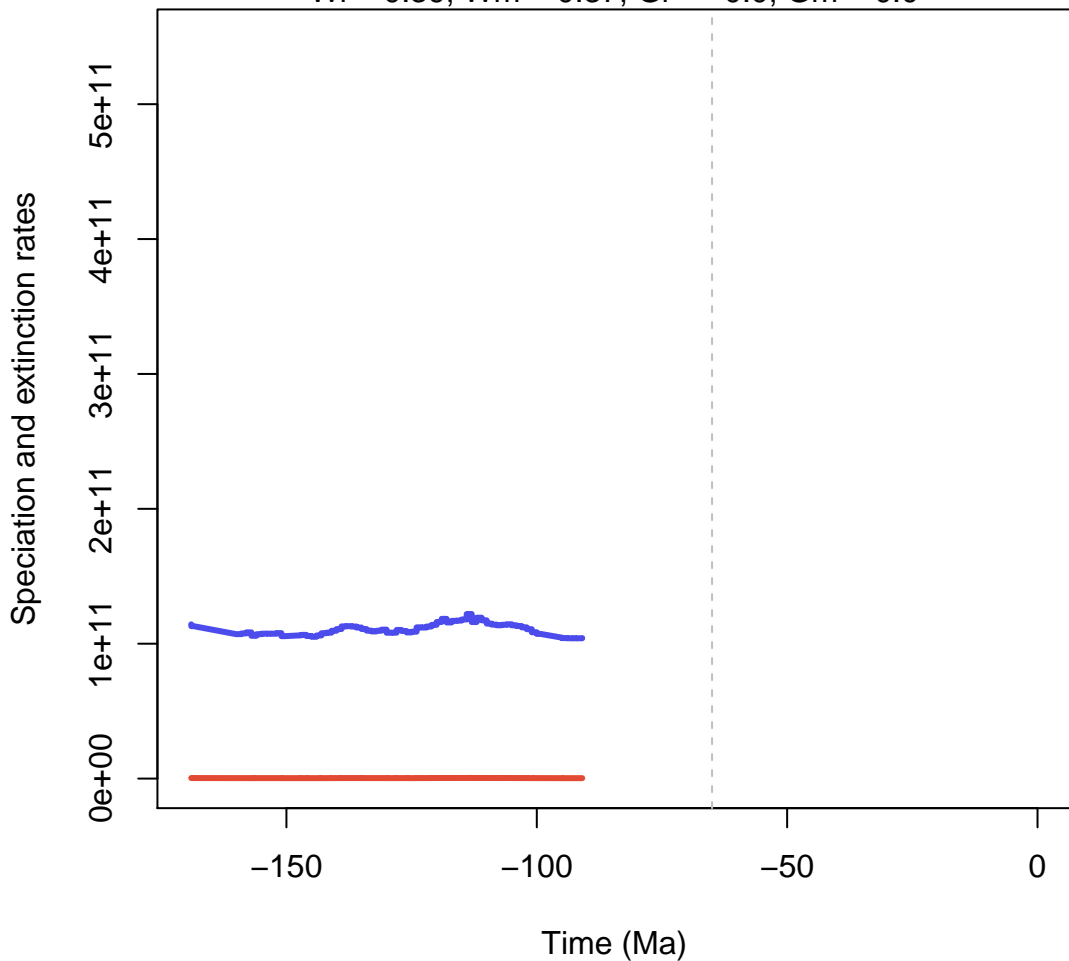
WI = 0.63, Wm = 0.32, GI = 0.01, Gm = −0.0
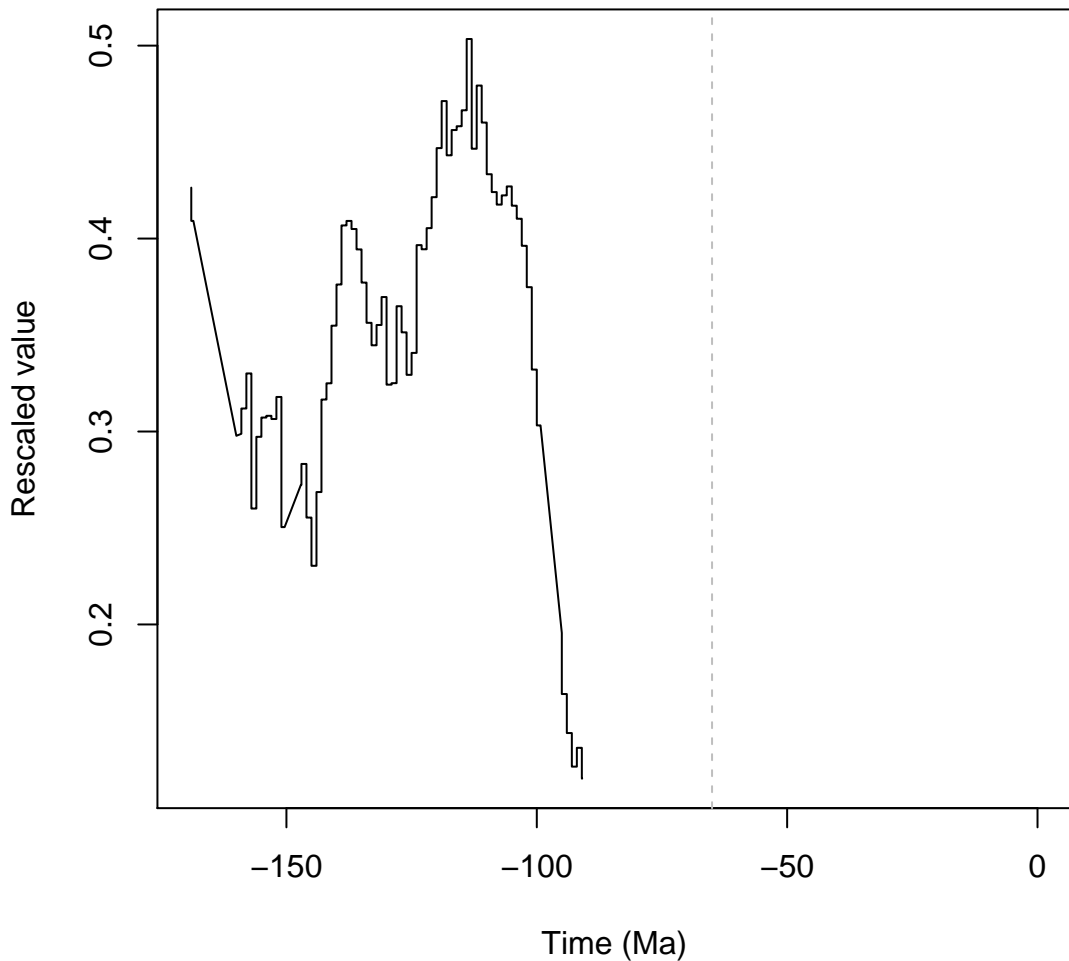
Trajectory of variable: BS_Global_interpolated

Effect of: CO2_Foster_interpolated

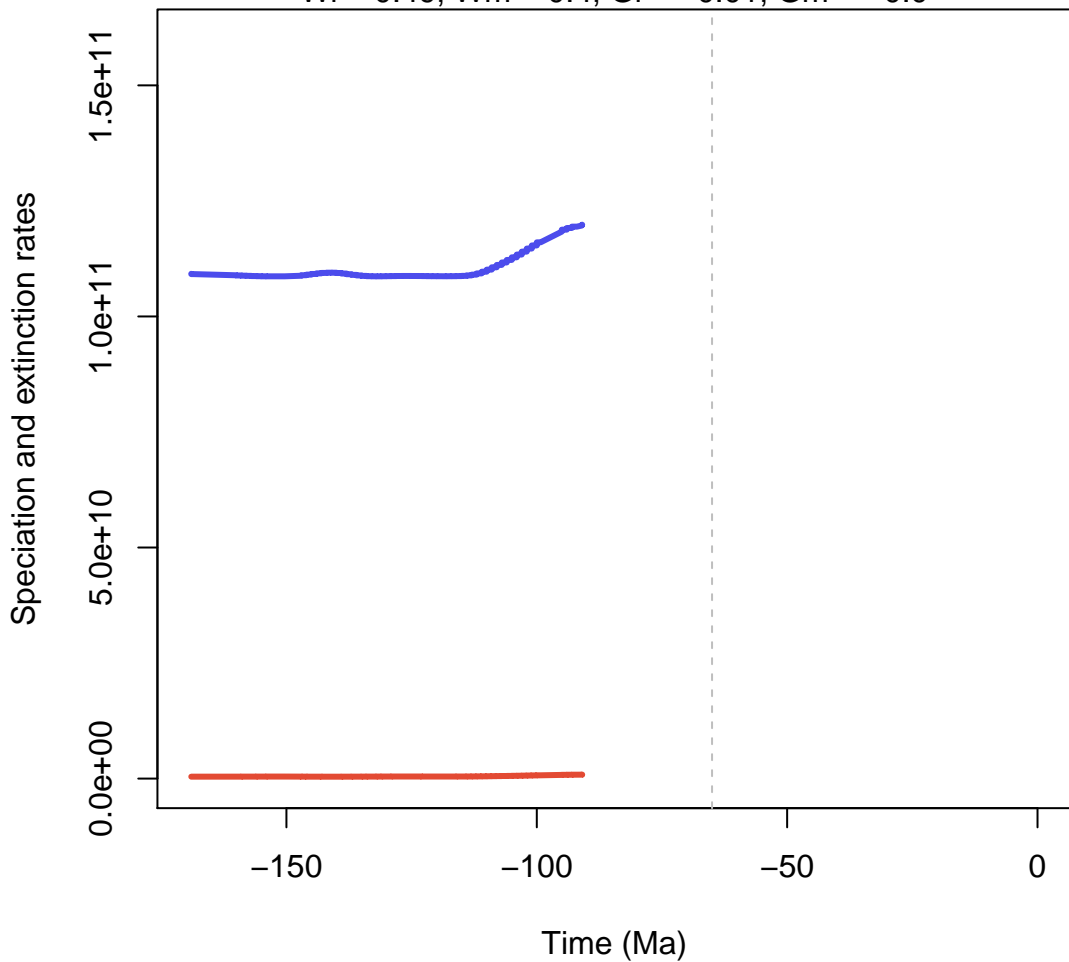Wl = 0.39, Wm = 0.37, Gl = −0.0, Gm = 0.0

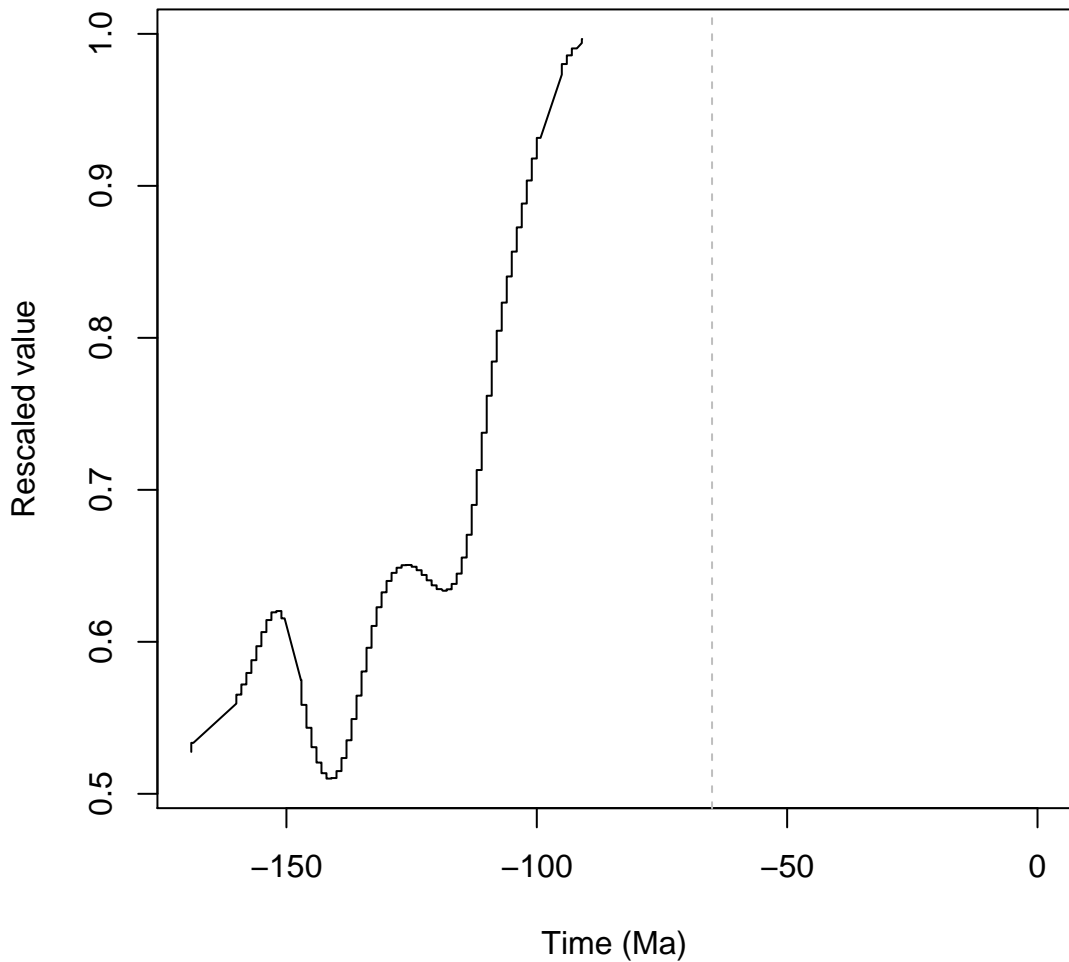**Trajectory of variable: CO2_Foster_interpolated**

Effect of: ESL_Haq_interpolated

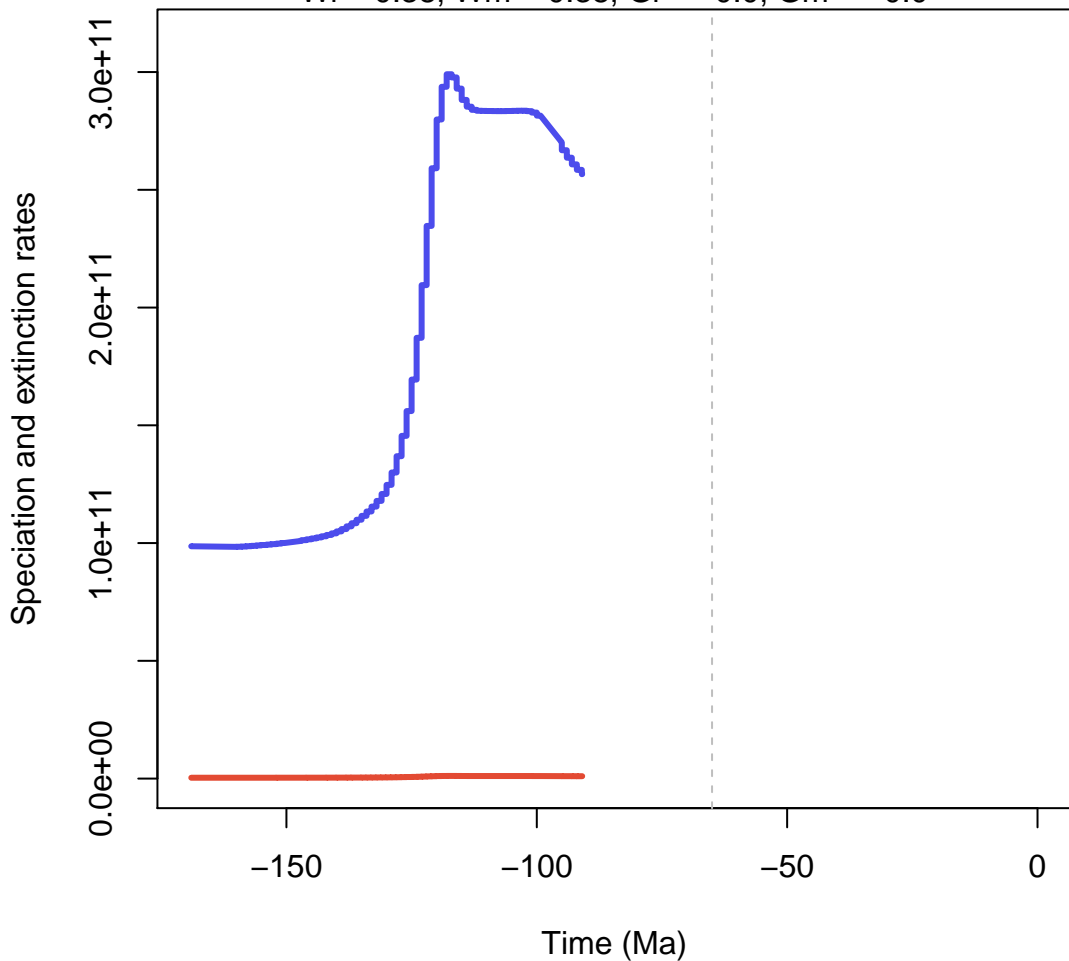Wl = 0.49, Wm = 0.4, Gl = −0.01, Gm = −0.0
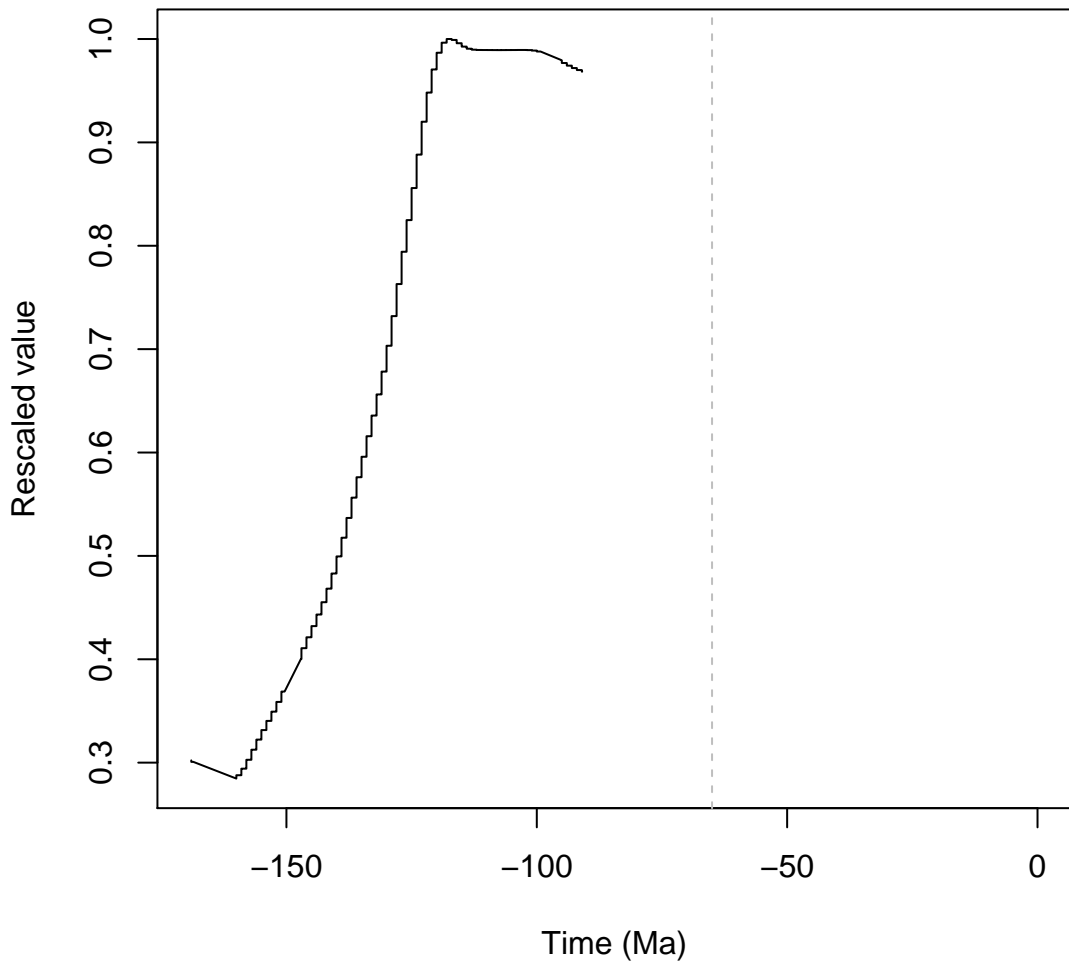
Trajectory of variable: ESL_Haq_interpolated

Effect of: ESL_Karlsen_interpolated

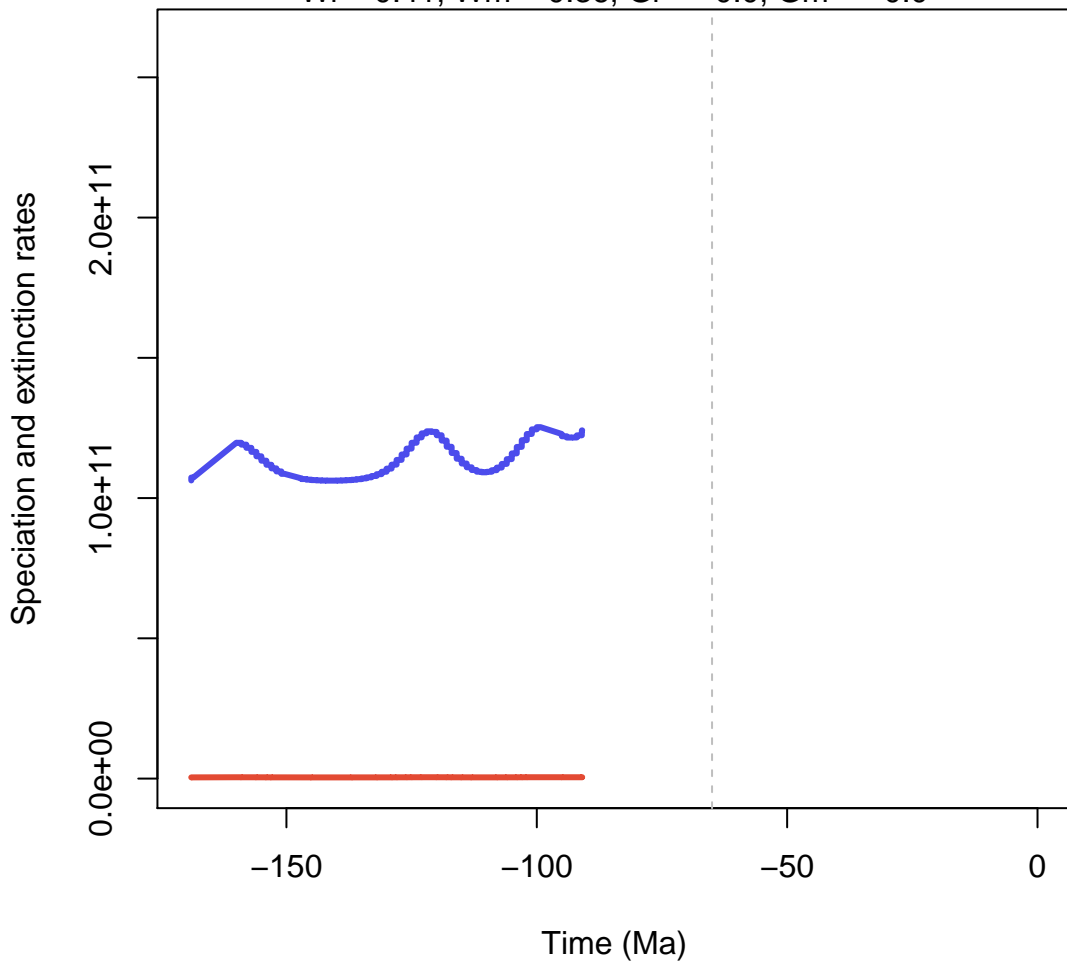Wl = 0.38, Wm = 0.38, Gl = −0.0, Gm = −0.0
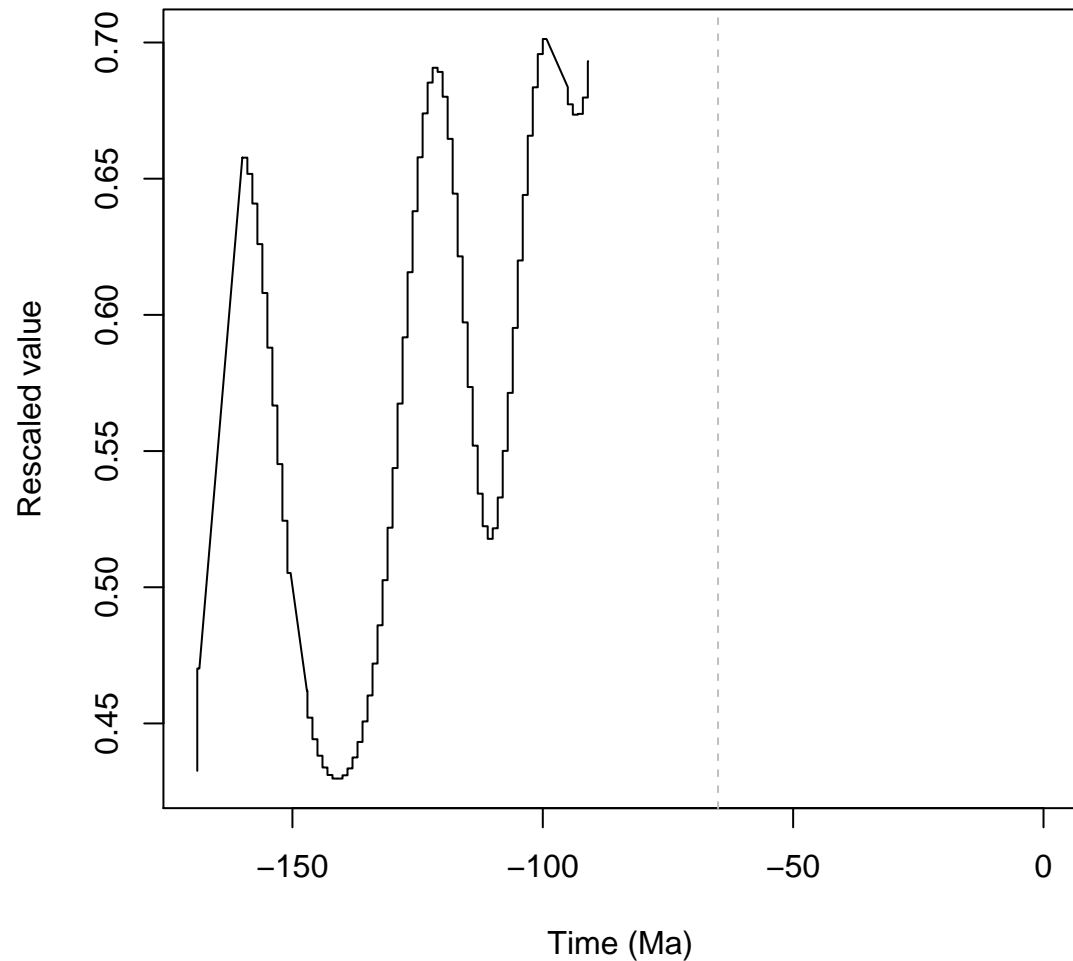
Trajectory of variable: ESL_Karlsen_interpolated

Effect of: ESL_Marcilly_ML_interpolated

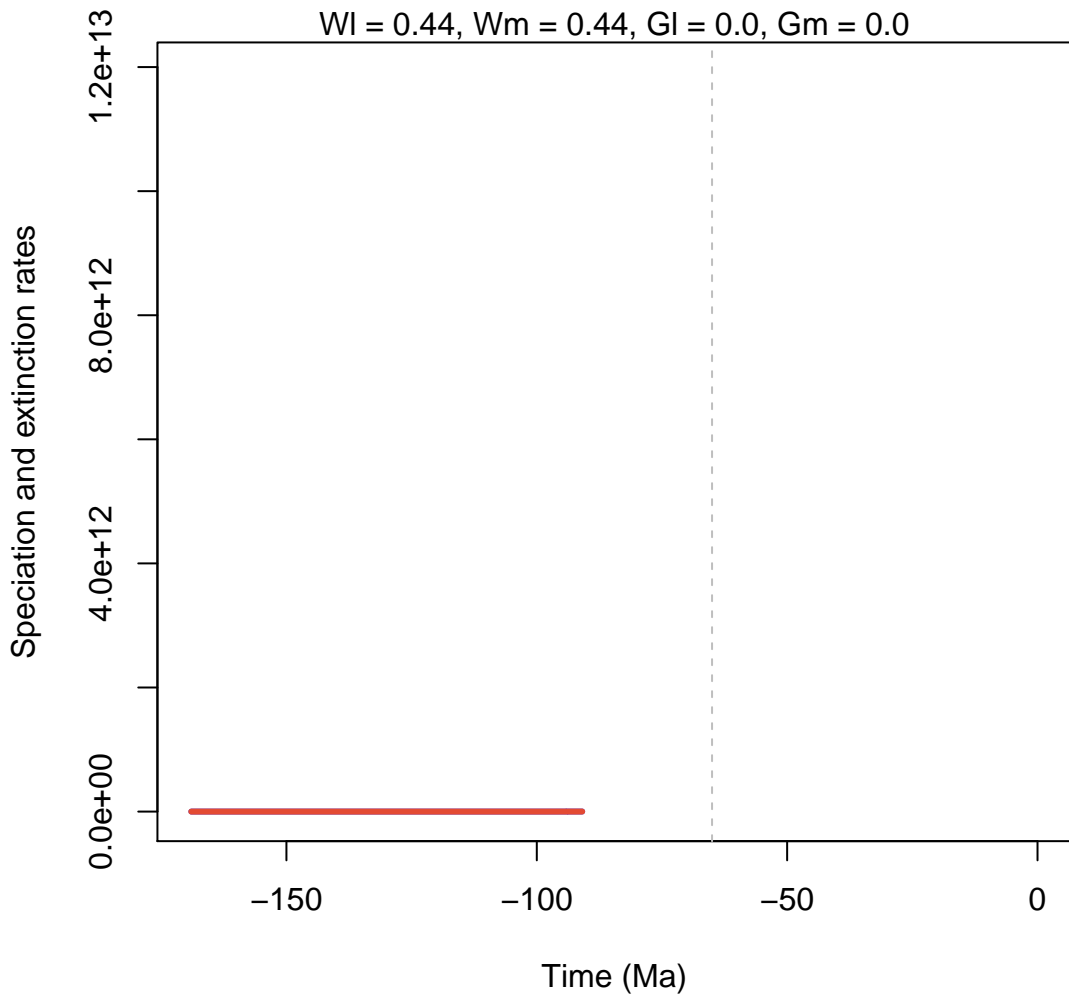Wl = 0.41, Wm = 0.36, Gl = −0.0, Gm = −0.0

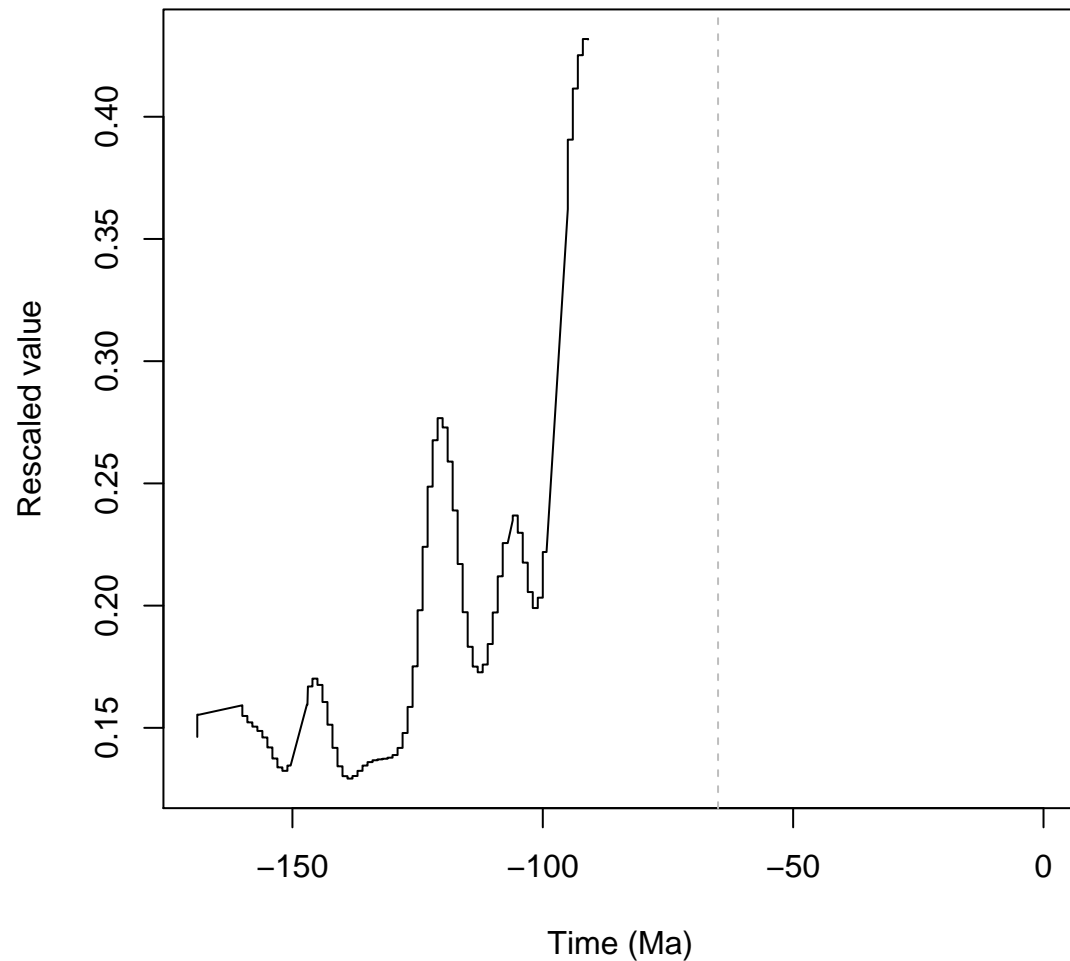**Trajectory of variable: ESL_Marcilly_ML_interpolated**

Effect of: ESL_Scotese_interpolated
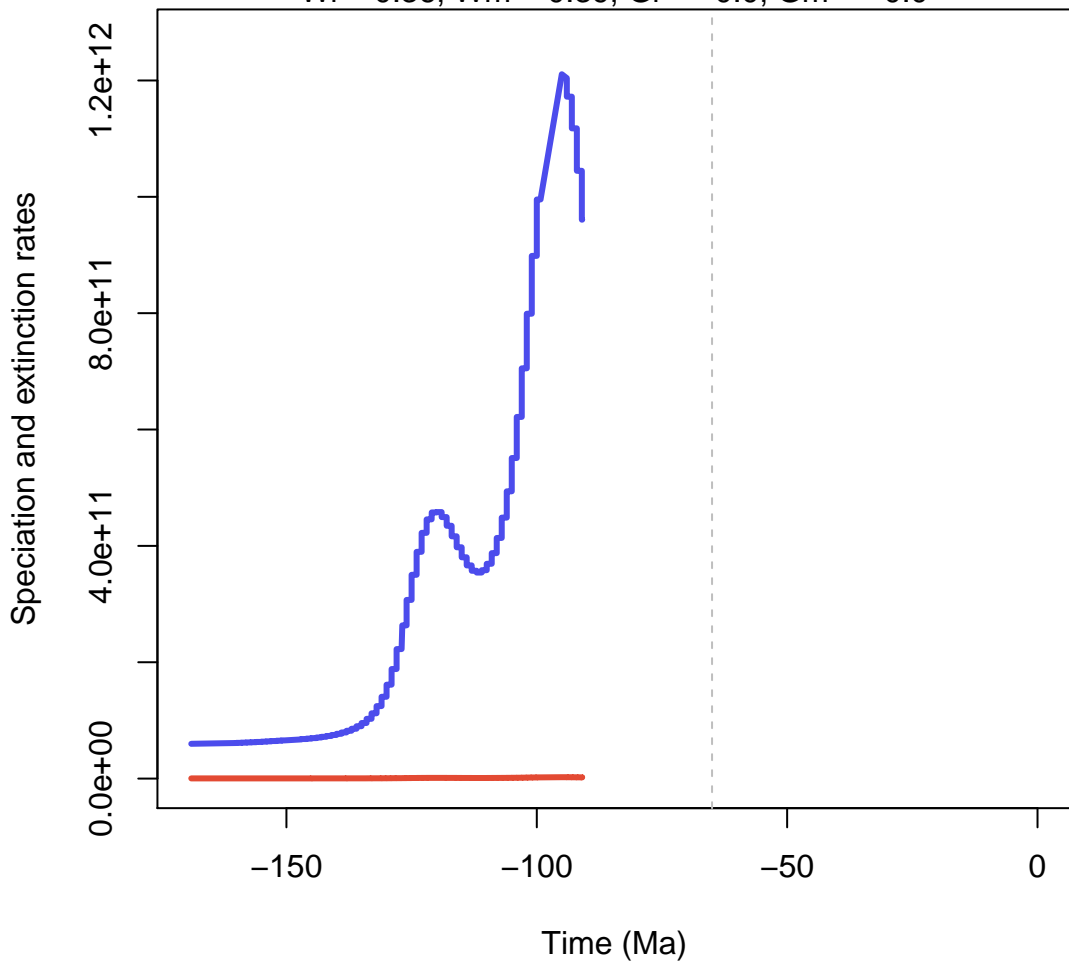
WI = 0.44, Wm = 0.44, GI = 0.0, Gm = 0.0
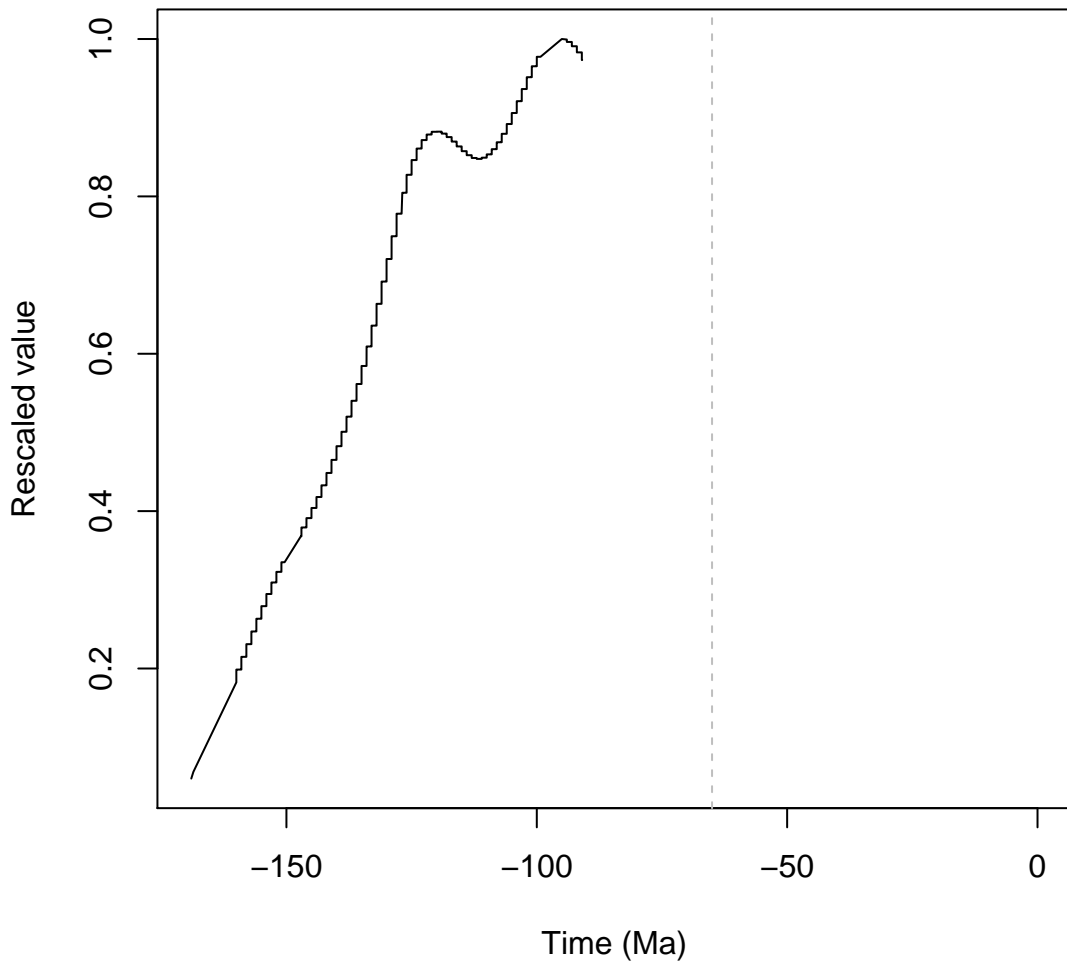
Trajectory of variable: ESL_Scotese_interpolated

Effect of: ESL_Verard_interpolated

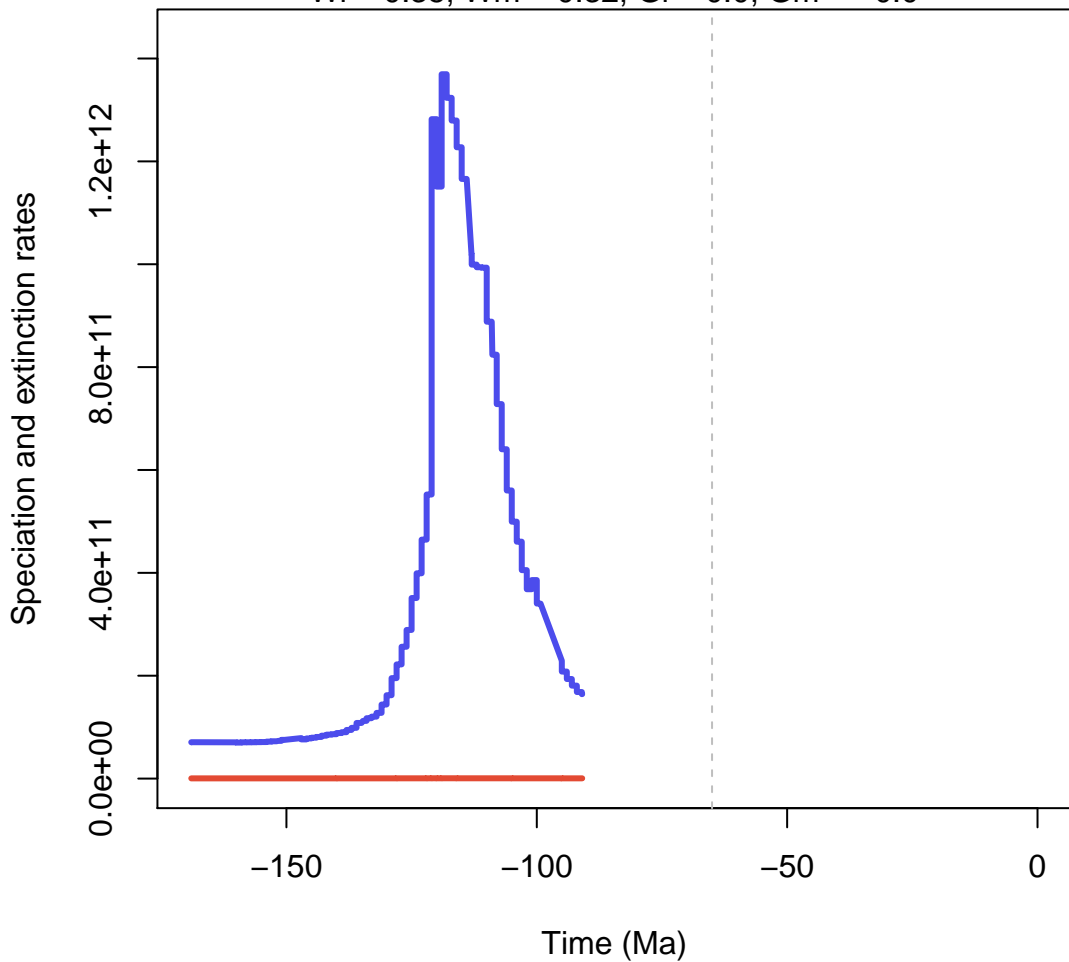WI = 0.36, Wm = 0.39, GI = −0.0, Gm = −0.0

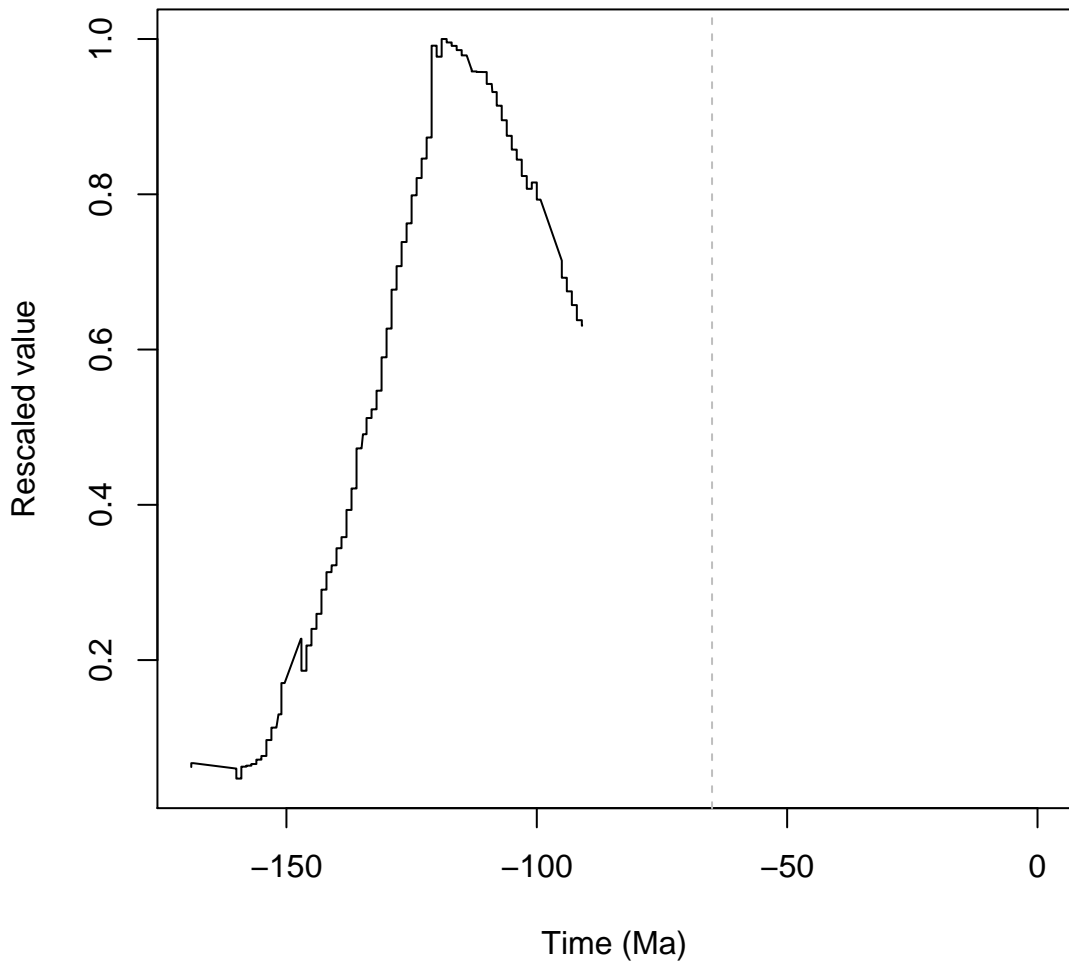**Trajectory of variable: ESL_Verard_interpolated**

Effect of: ESL_Wright_interpolated

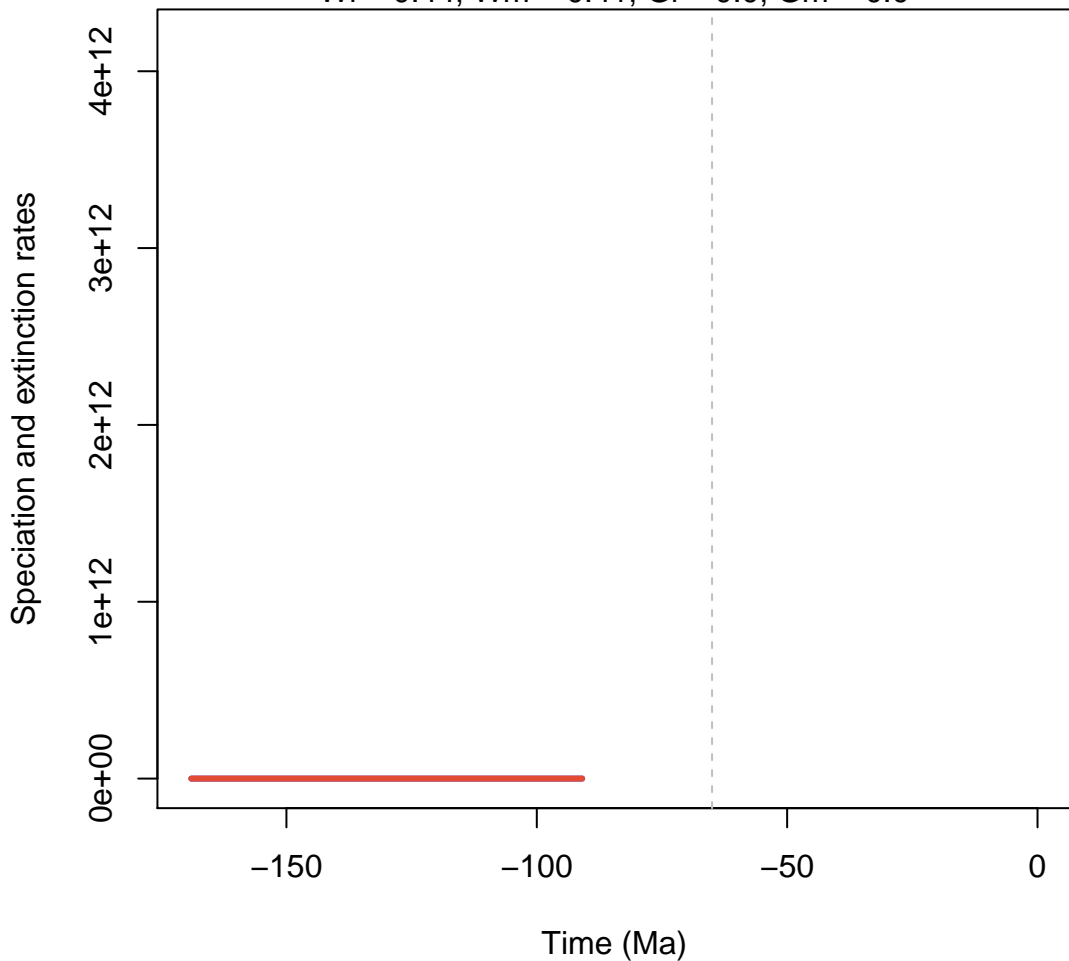WI = 0.35, Wm = 0.32, GI = 0.0, Gm = −0.0

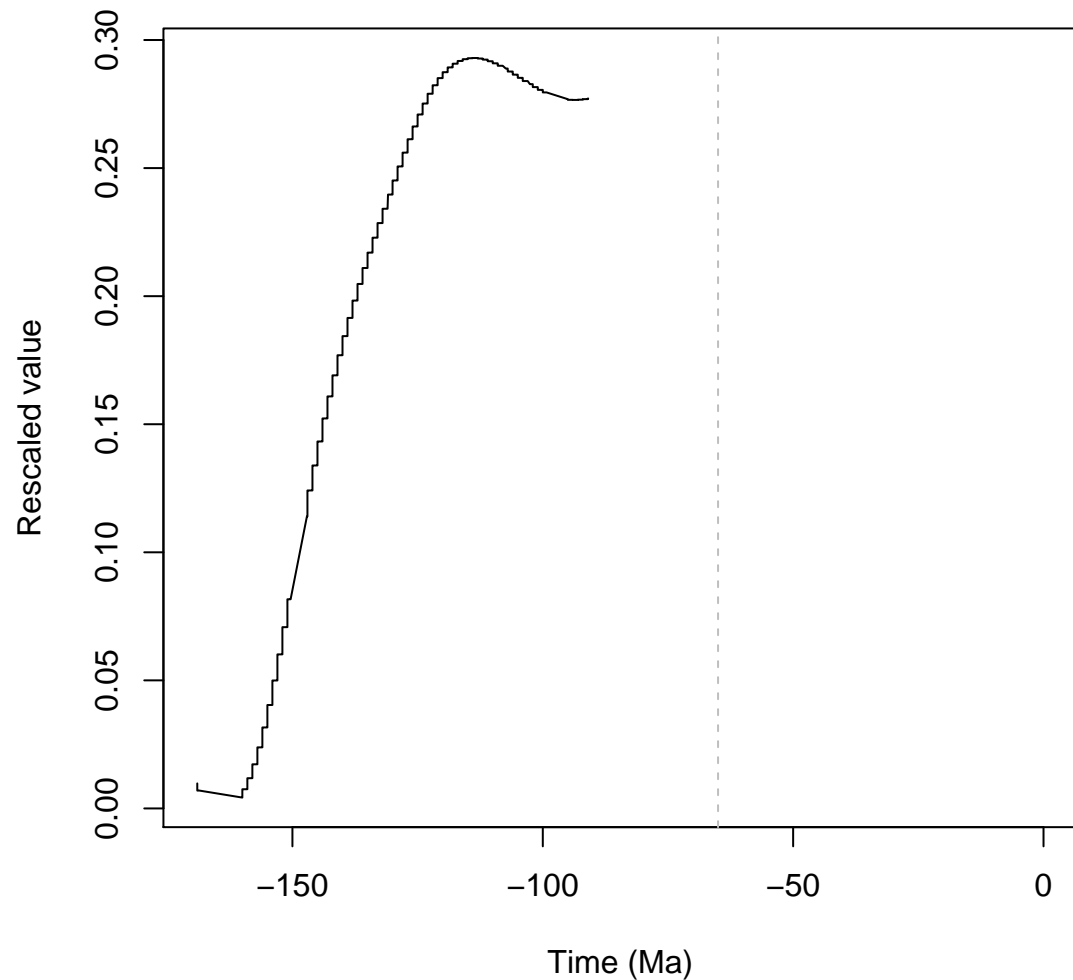**Trajectory of variable: ESL_Wright_interpolated**

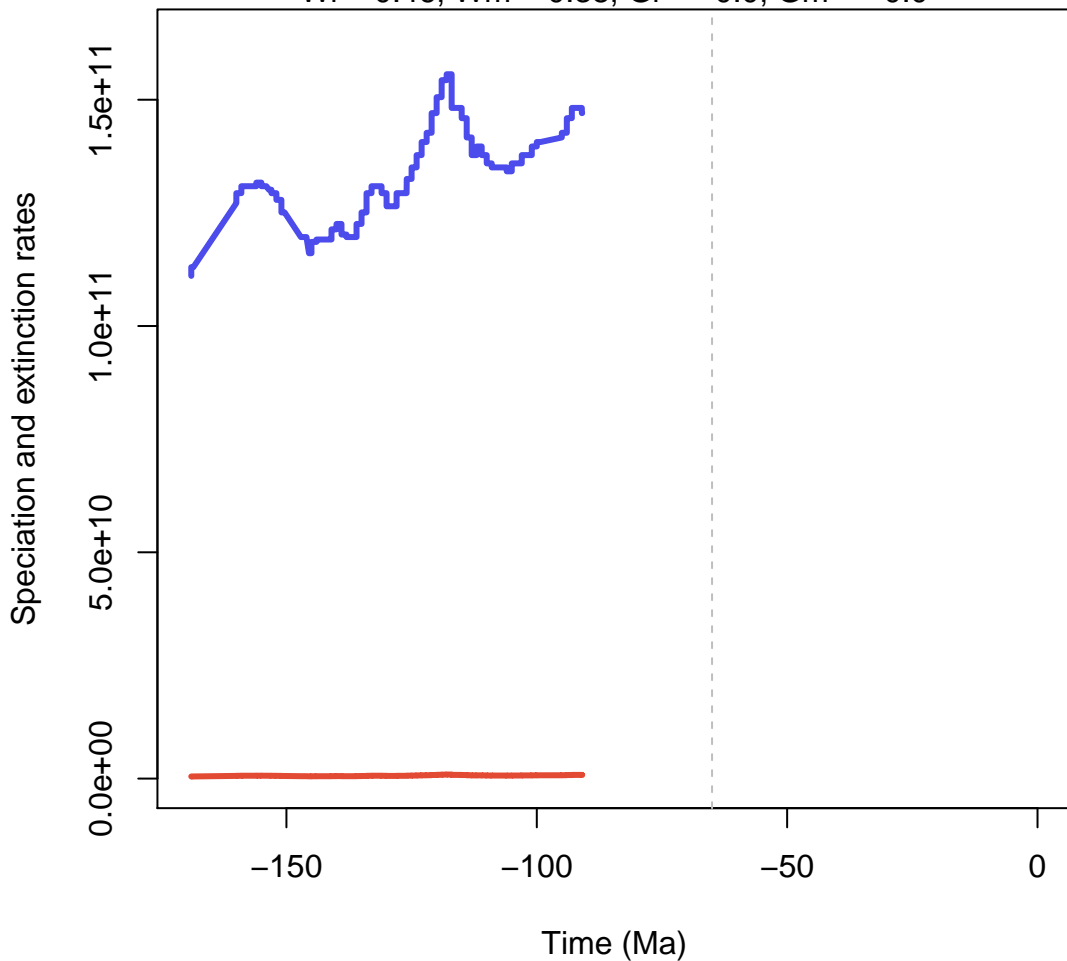**Effect of: ESL_Young_M21RD_interpolated**

WI = 0.44, Wm = 0.41, GI = 0.0, Gm = 0.0
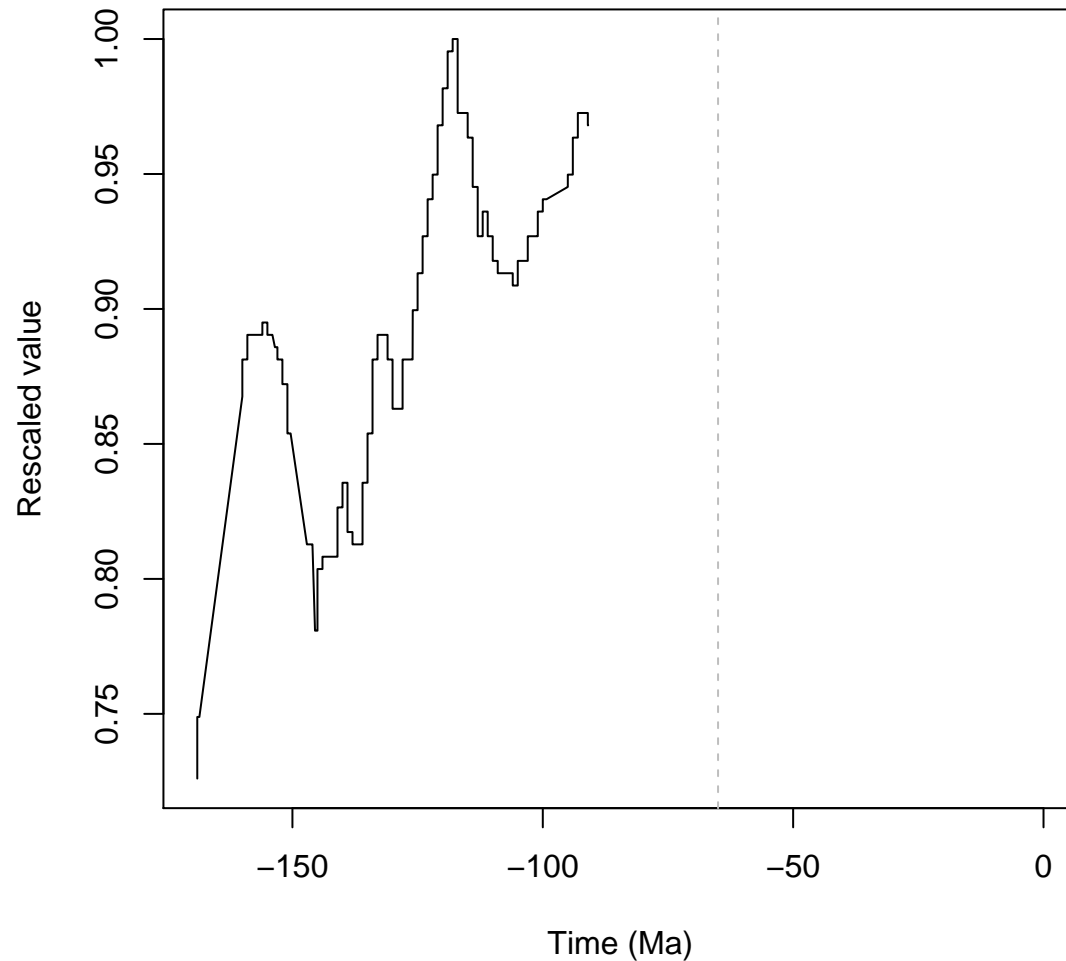
Trajectory of variable: ESL_Young_M21RD_interpolated

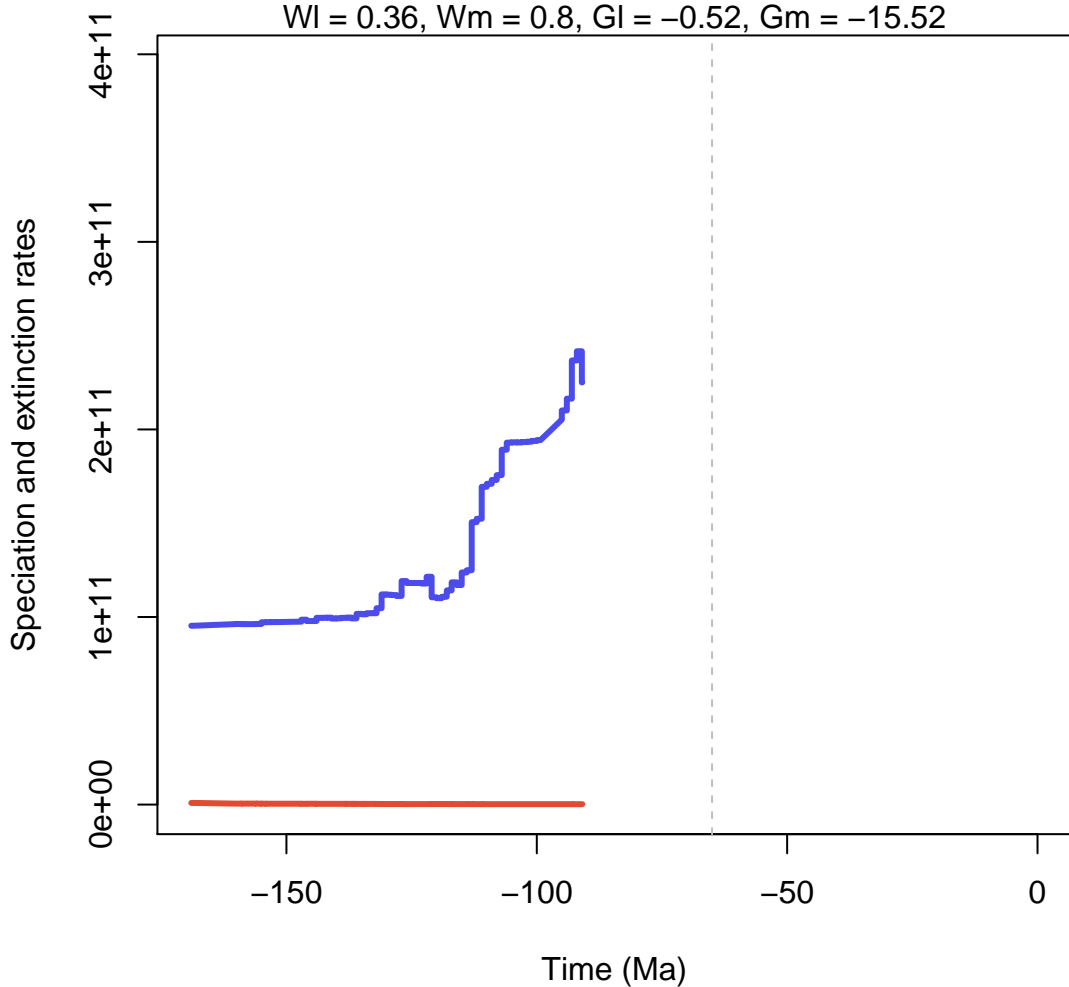**Effect of: ESL_vanderMeer_interpolated**

Wl = 0.46, Wm = 0.38, Gl = −0.0, Gm = −0.0

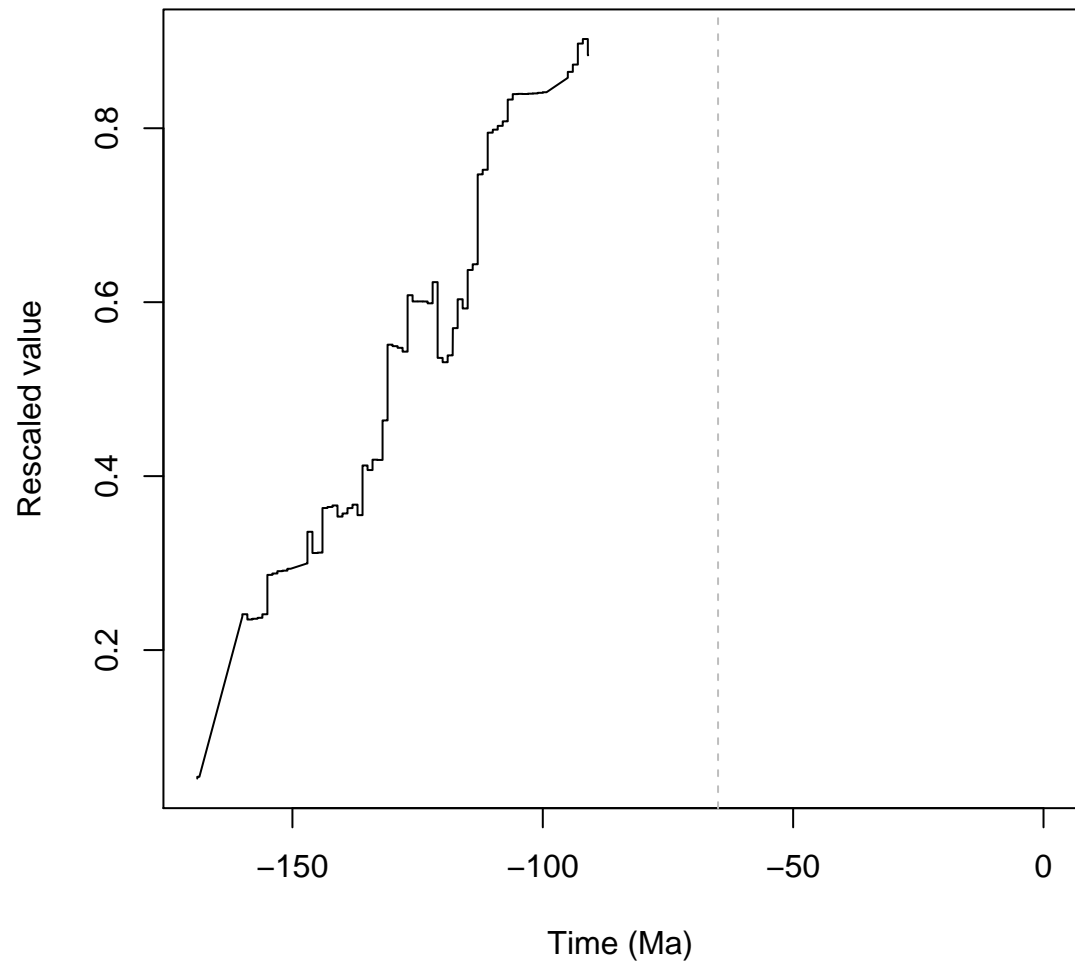**Trajectory of variable: ESL_vanderMeer_interpolated**

Effect of: Fragmentation_interpolated

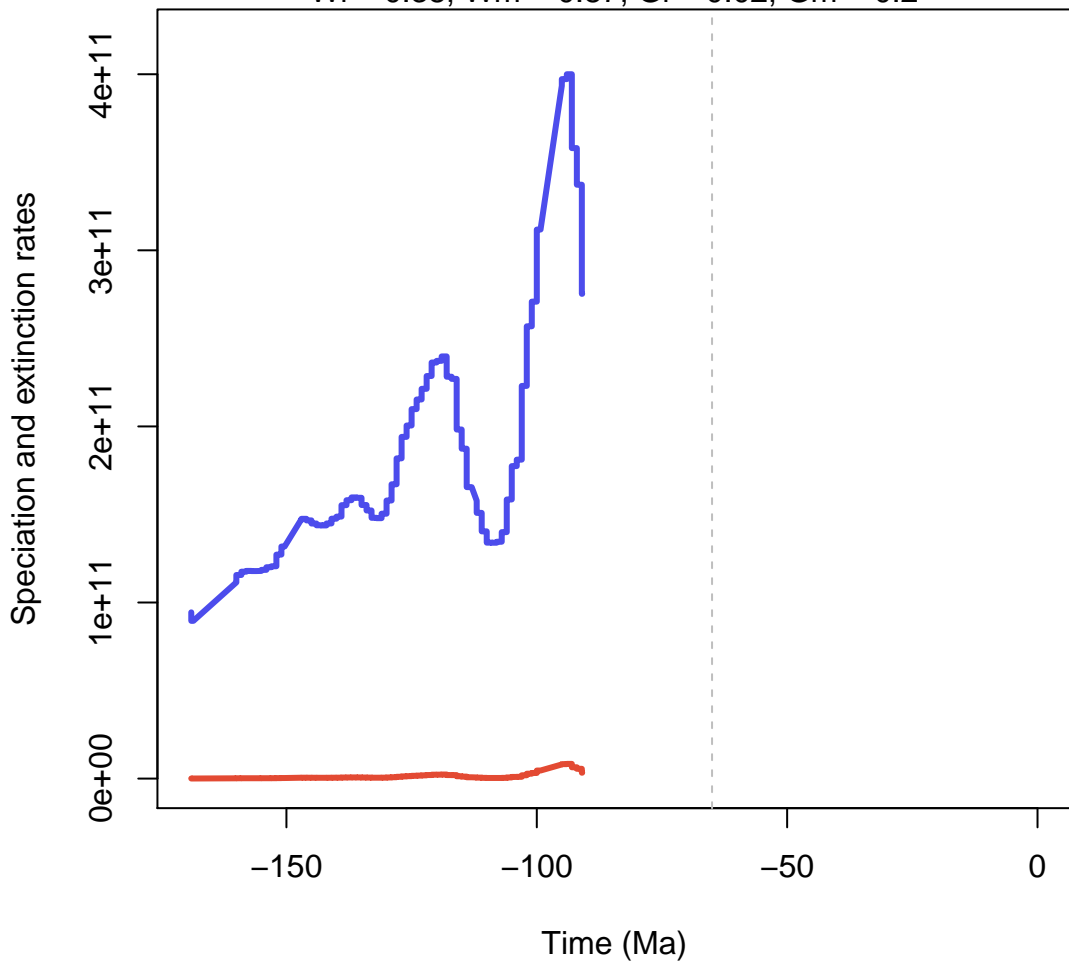Wl = 0.36, Wm = 0.8, Gl = −0.52, Gm = −15.52

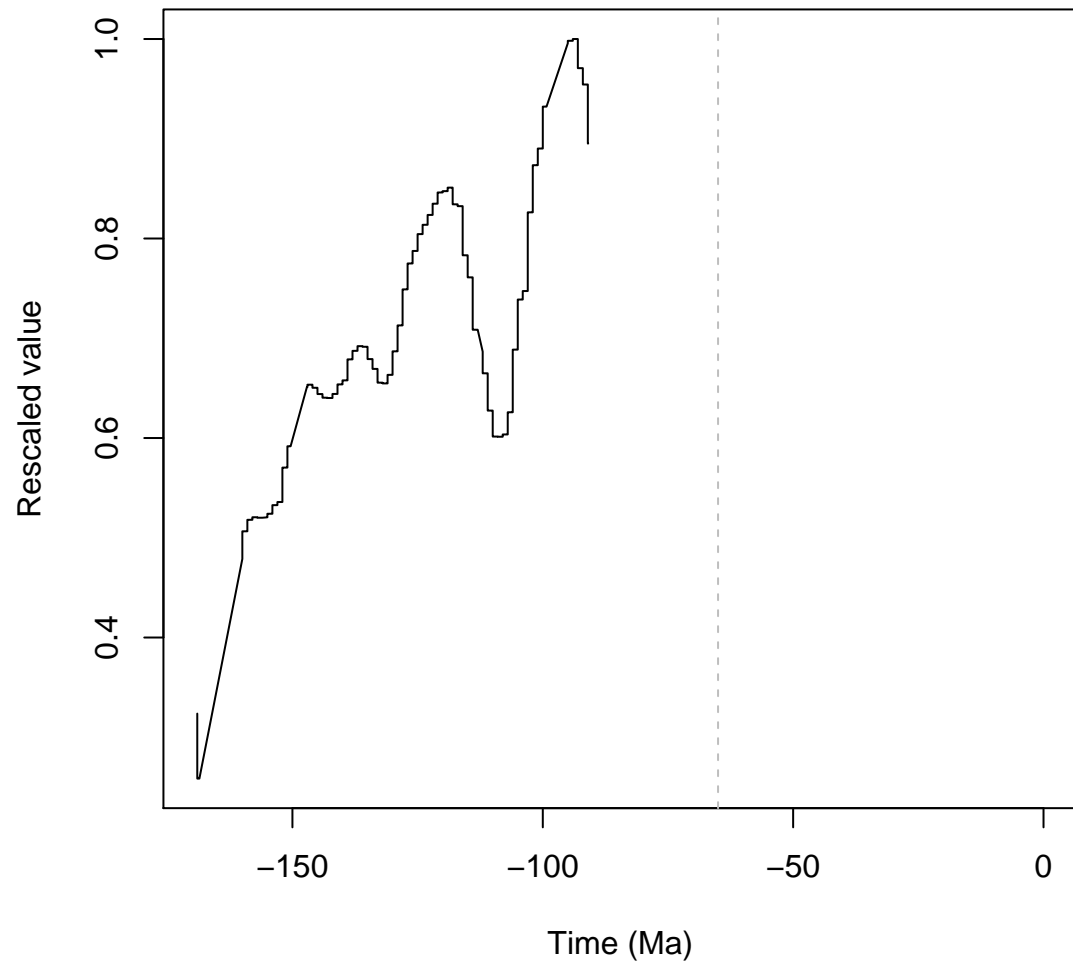**Trajectory of variable: Fragmentation_interpolated**

Effect of: GMST_Judd_interpolated
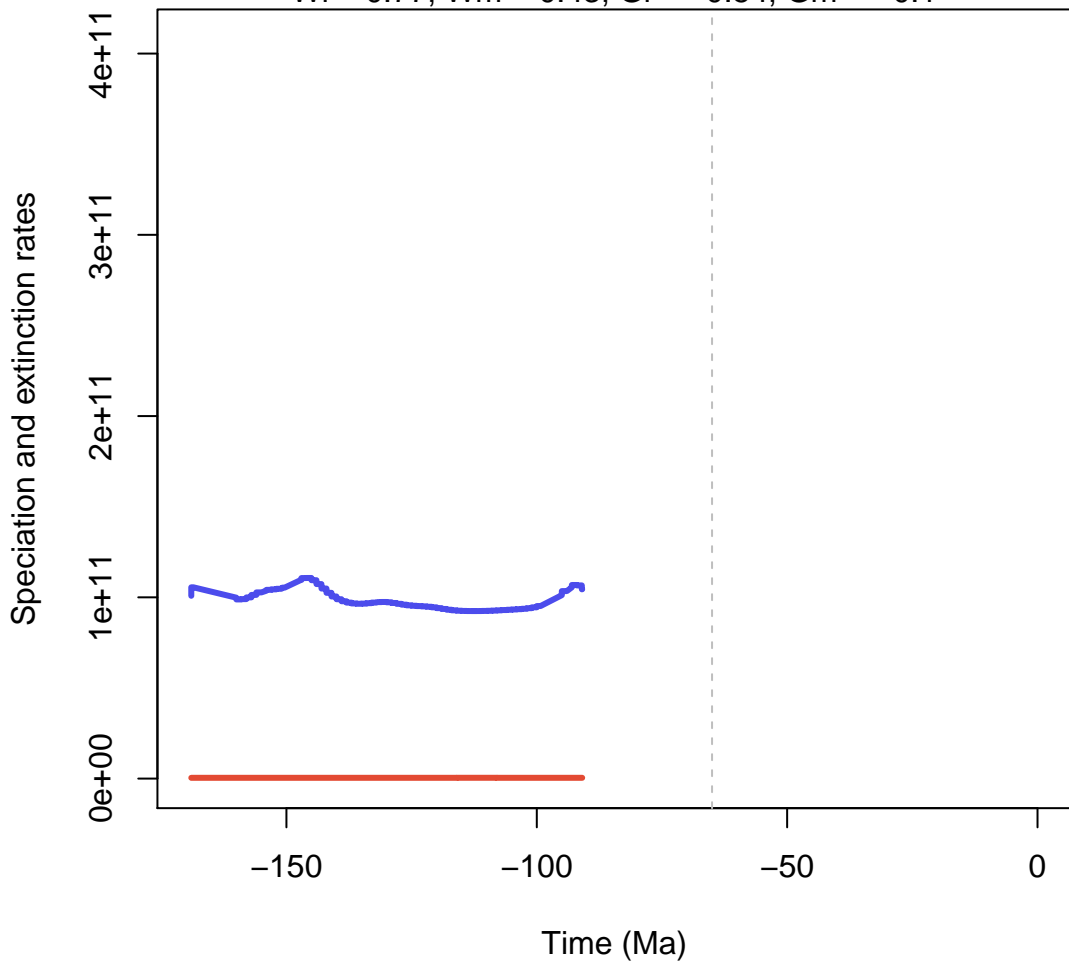
WI = 0.38, Wm = 0.87, GI = 0.02, Gm = 0.2

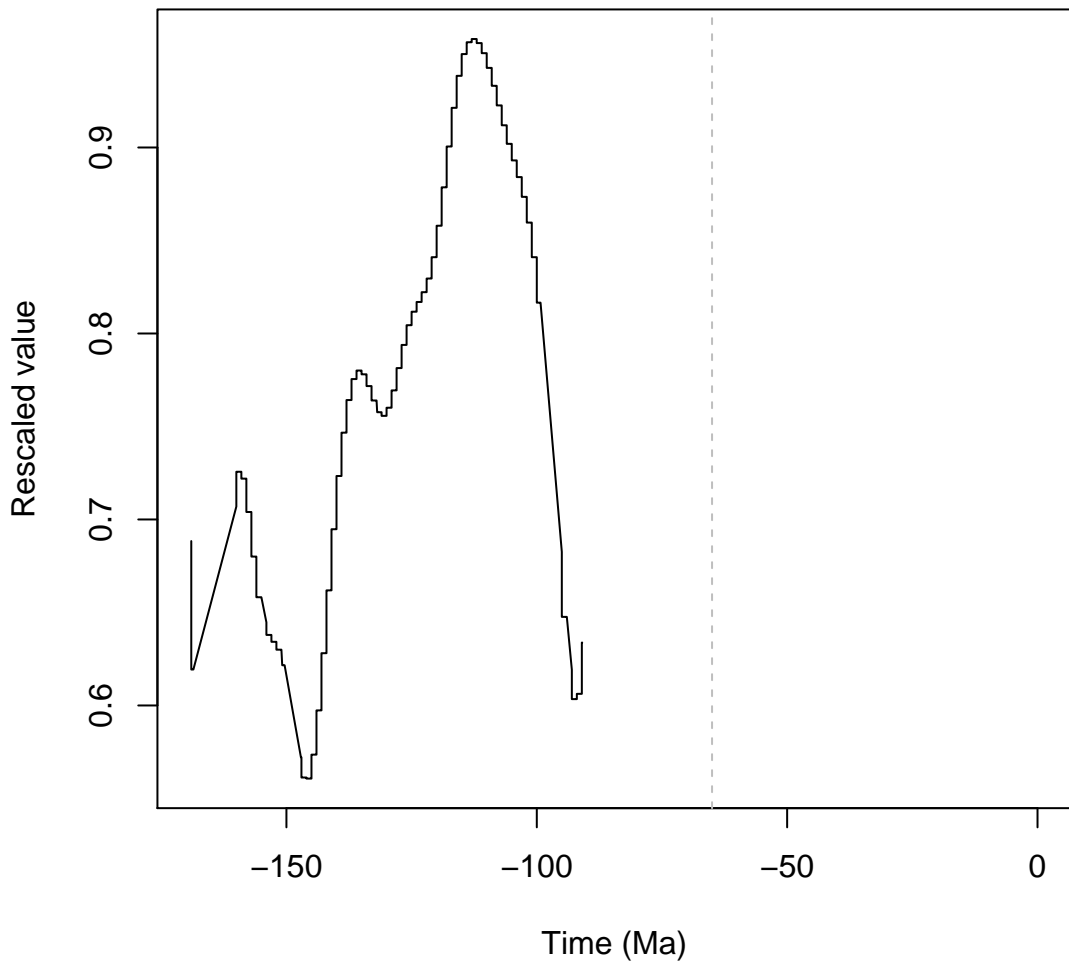**Trajectory of variable: GMST_Judd_interpolated**

Effect of: GMST_Landwehrs_proxy_interpolated

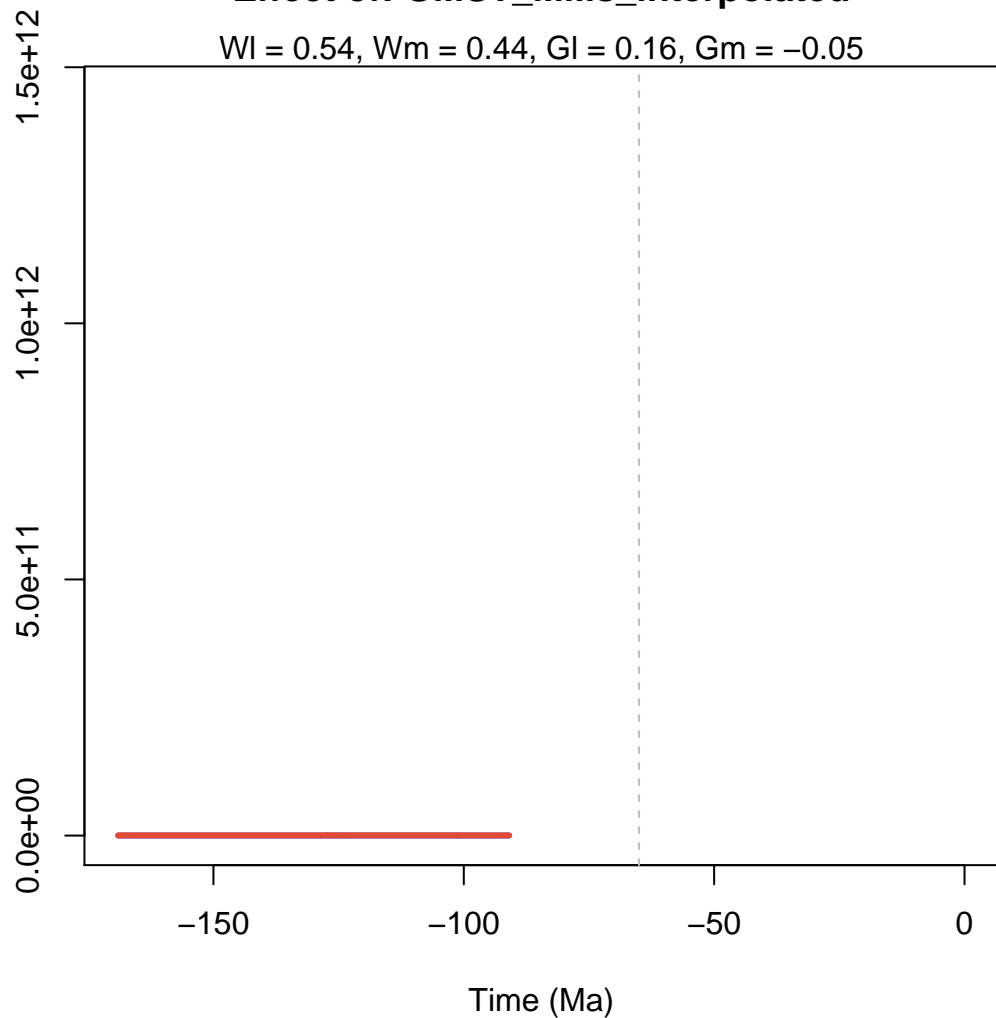WI = 0.77, Wm = 0.43, GI = −0.54, Gm = −0.1

Trajectory of variable: GMST_Landwehrs_proxy_interpolated
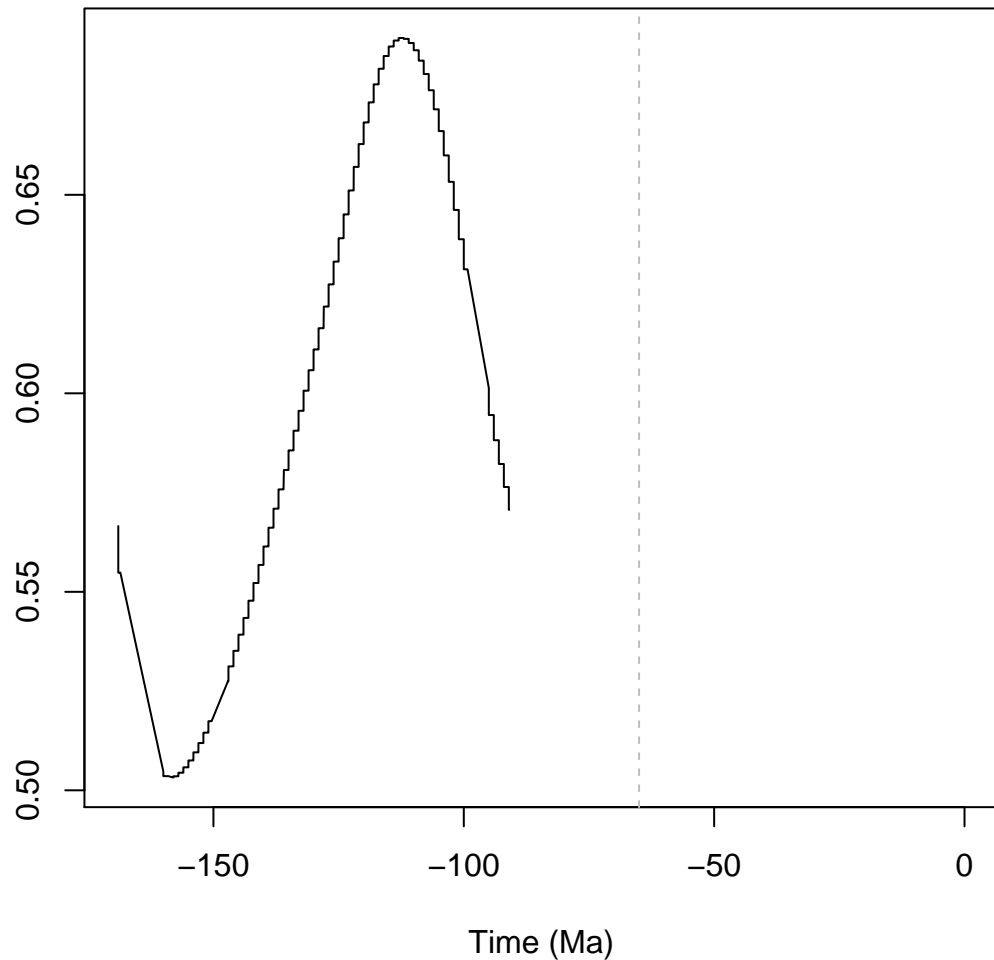
Effect of: GMST_Mills_interpolated
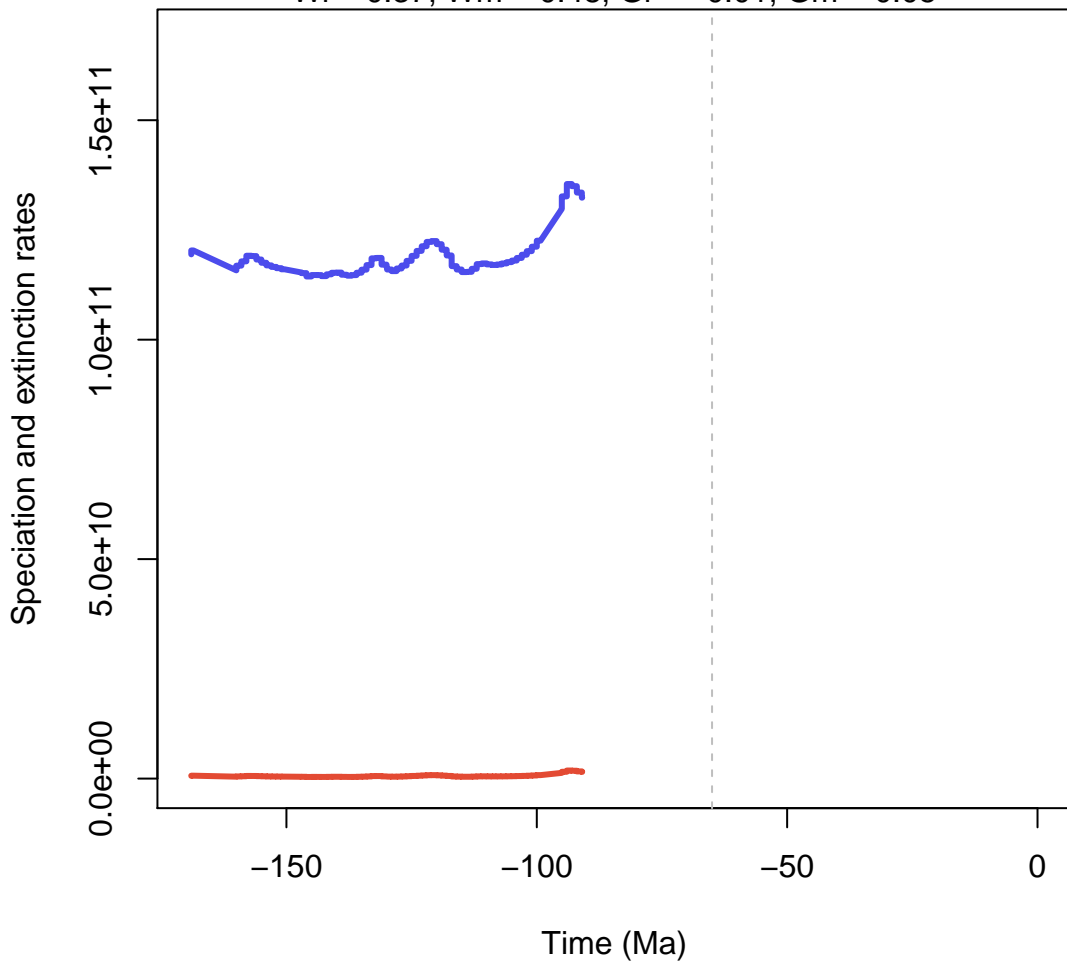
WI = 0.54, Wm = 0.44, GI = 0.16, Gm = −0.05

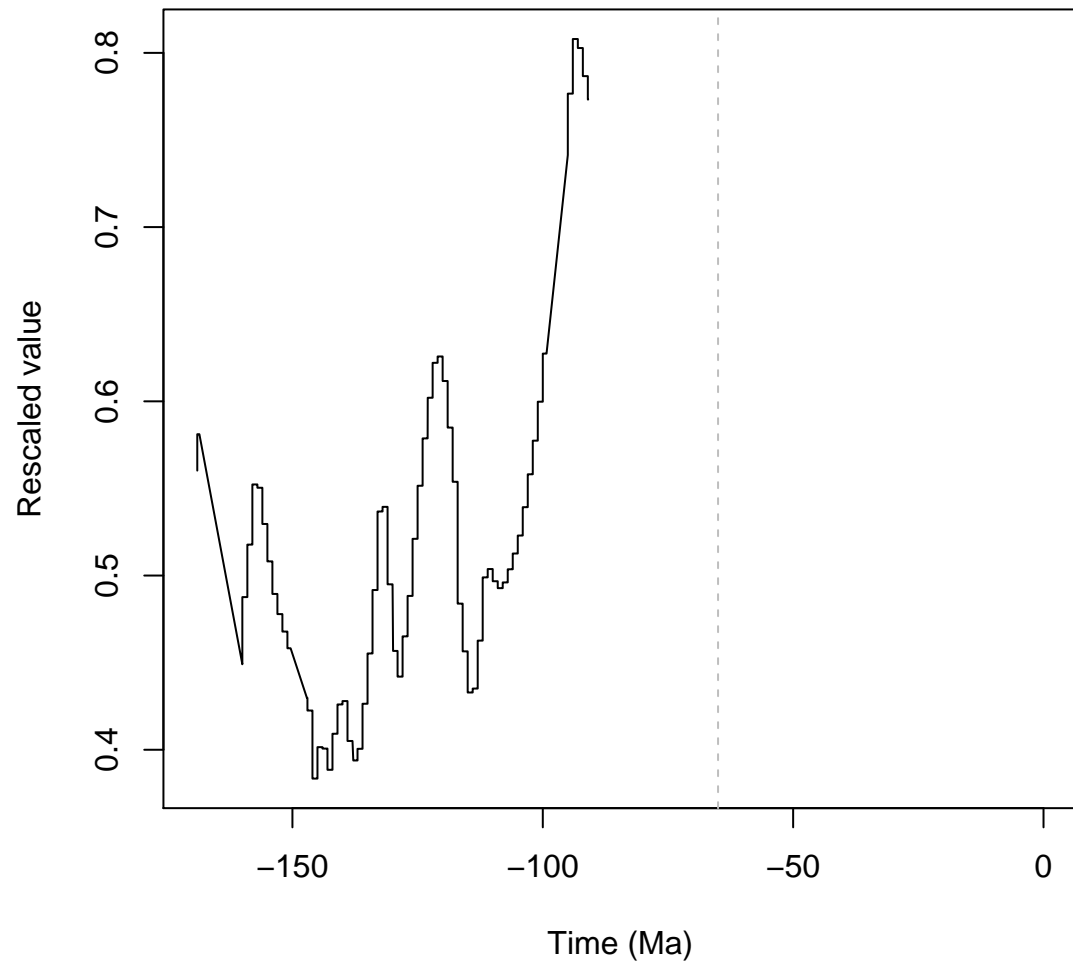**Trajectory of variable: GMST_Mills_interpolated**

Effect of: GMST_Scotese_interpolated

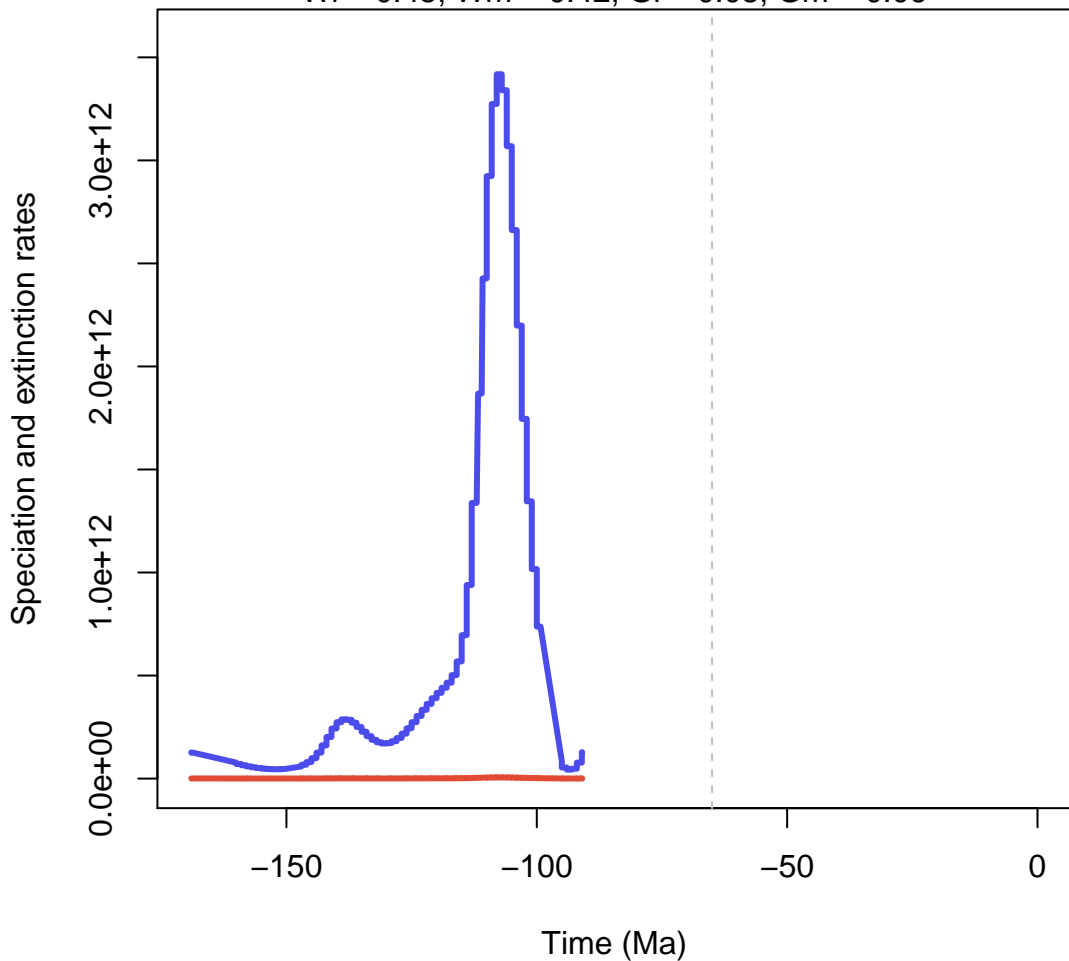WI = 0.37, Wm = 0.48, GI = −0.01, Gm = 0.05
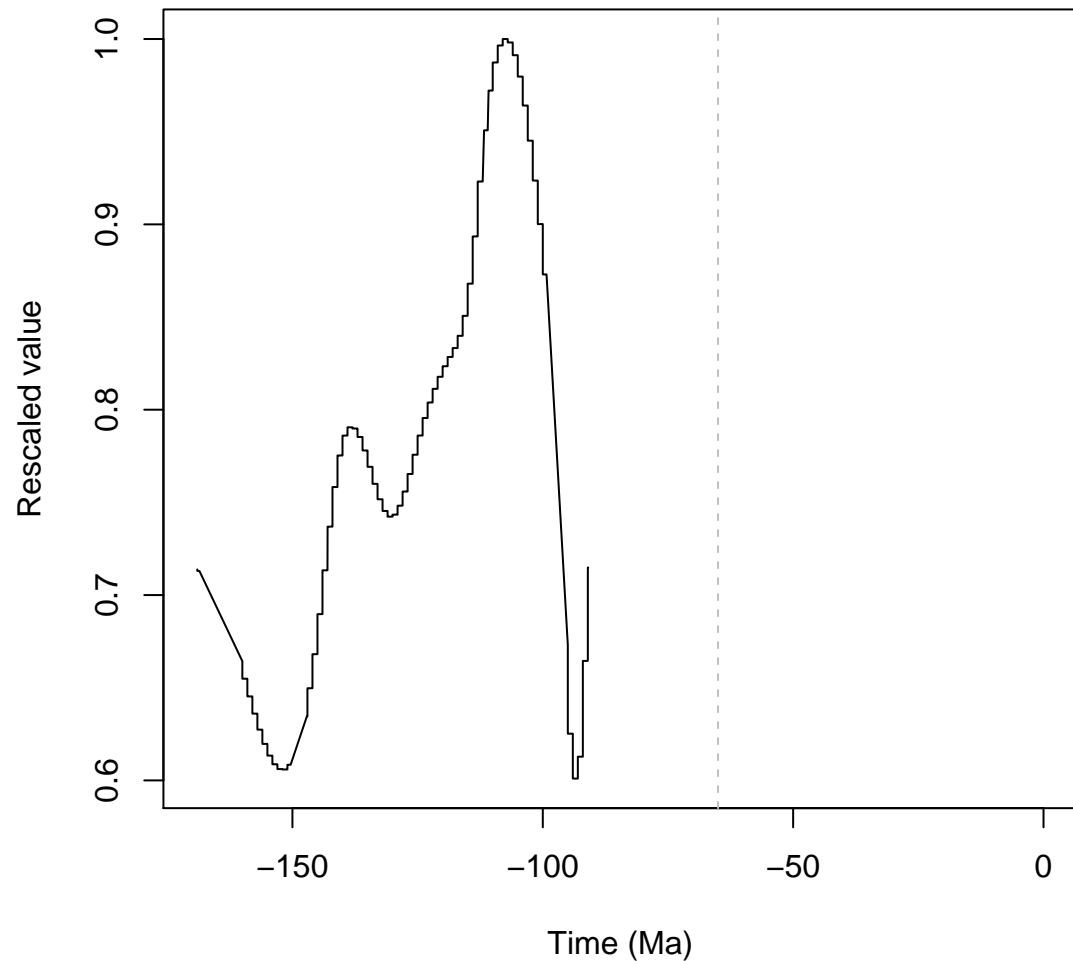
Trajectory of variable: GMST_Scotese_interpolated

Effect of: GMST_Valdes_Foster_interpolated

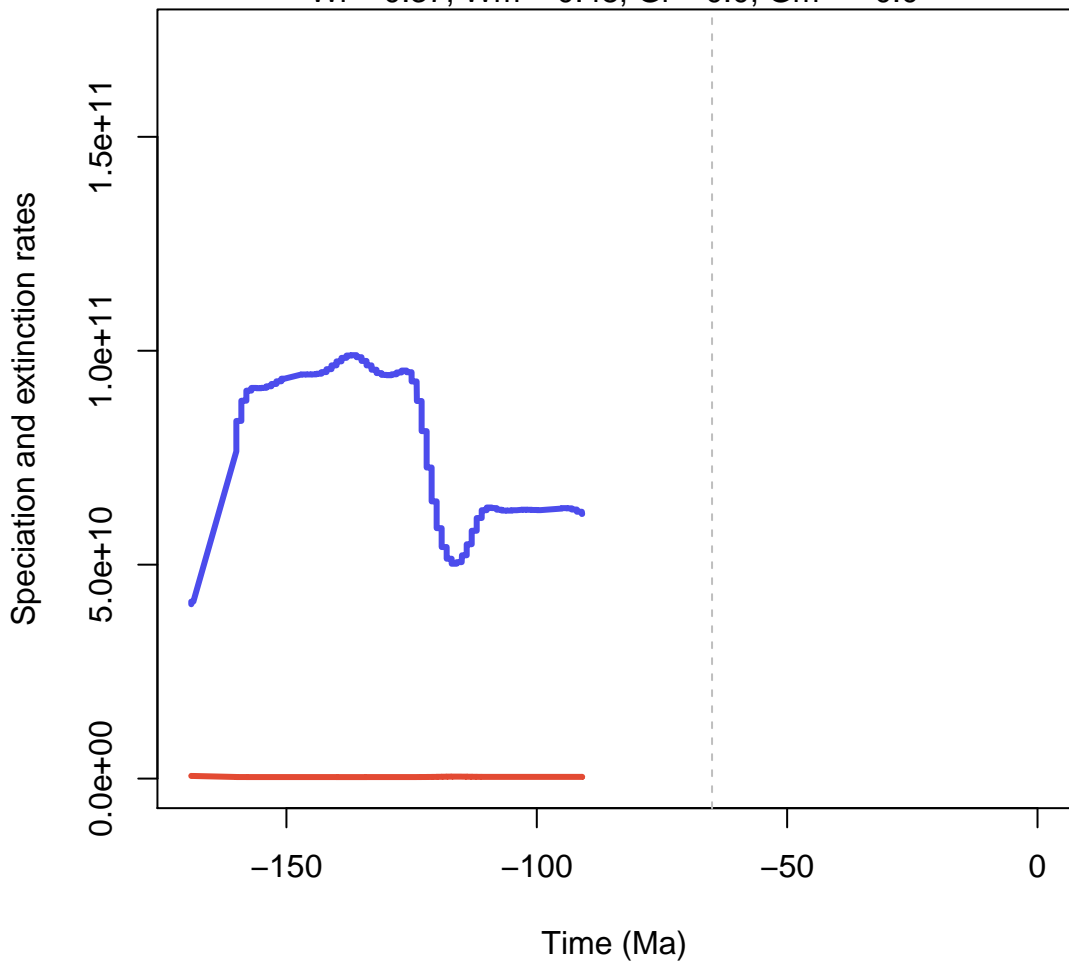Wl = 0.45, Wm = 0.42, Gl = 0.08, Gm = 0.06
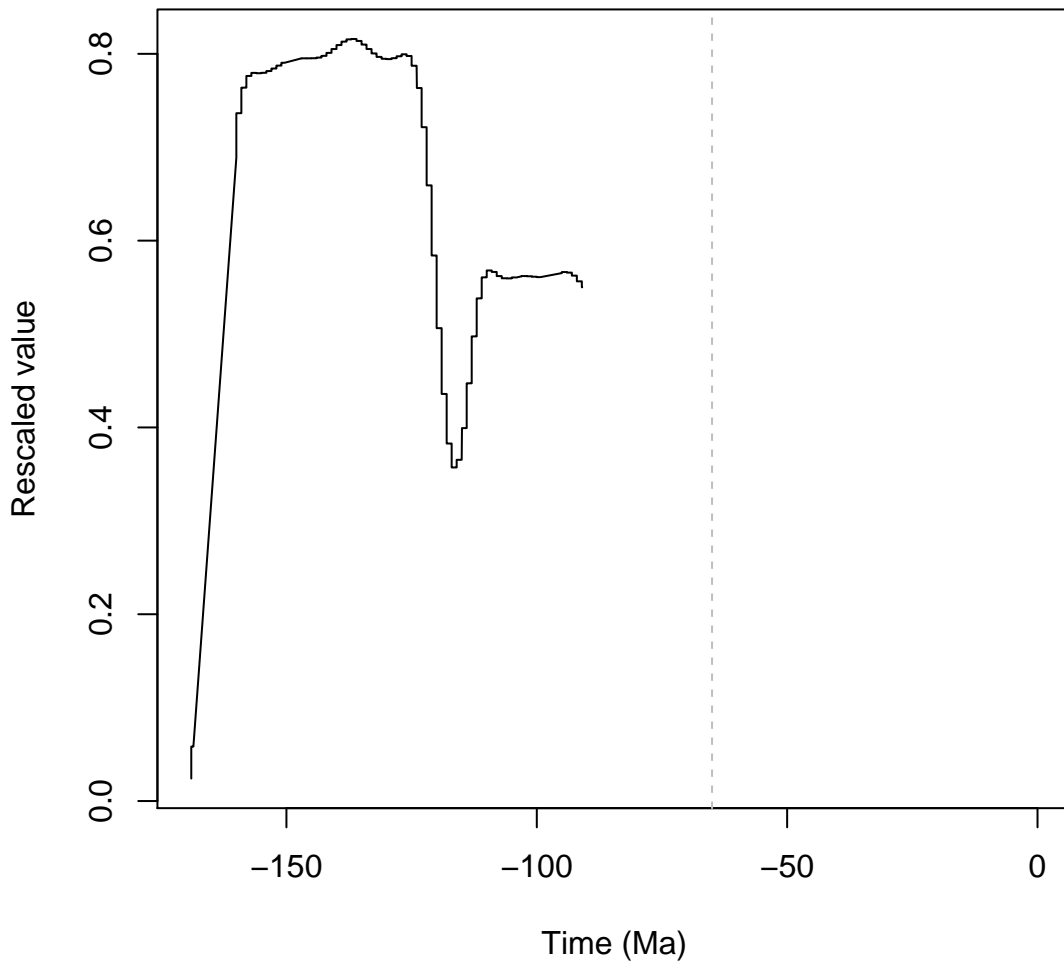
Trajectory of variable: GMST_Valdes_Foster_interpolated

Effect of: LA_Global_interpolated
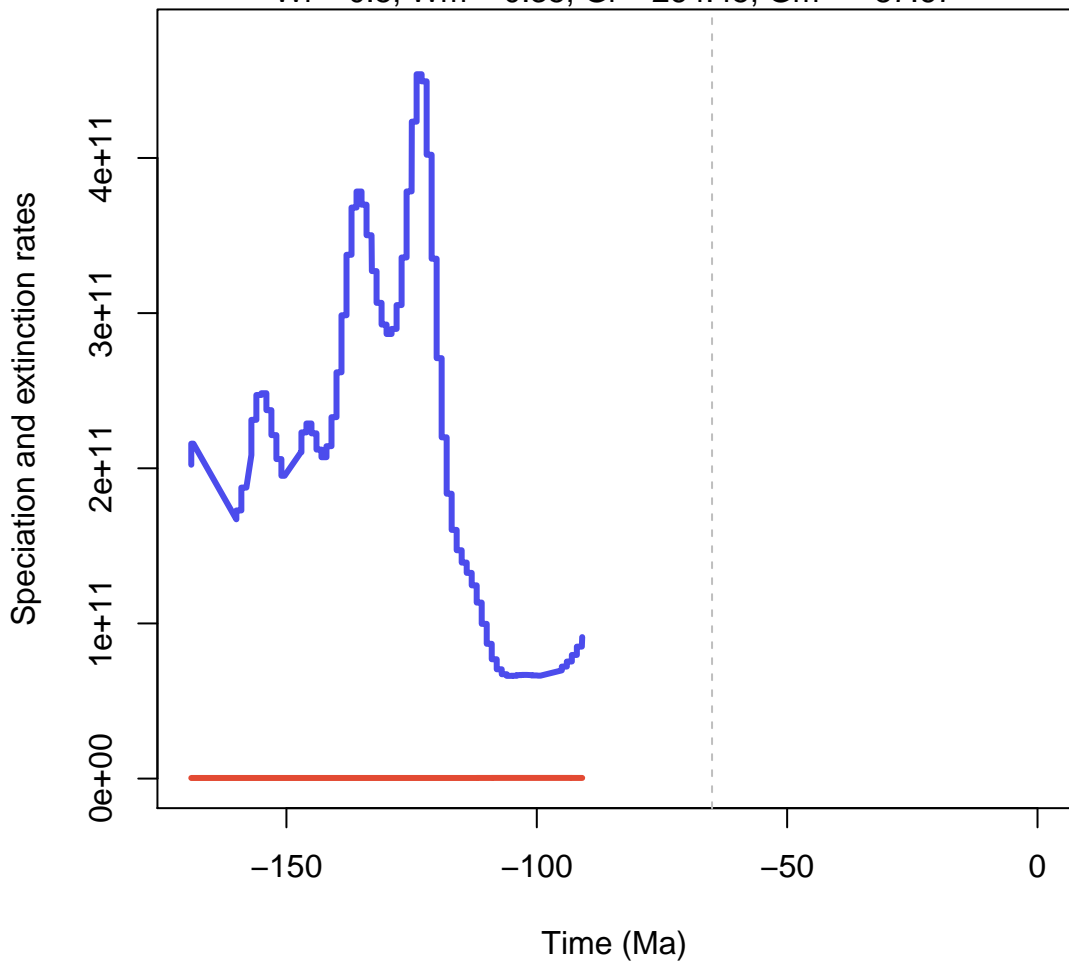
WI = 0.37, Wm = 0.48, GI = 0.0, Gm = −0.0

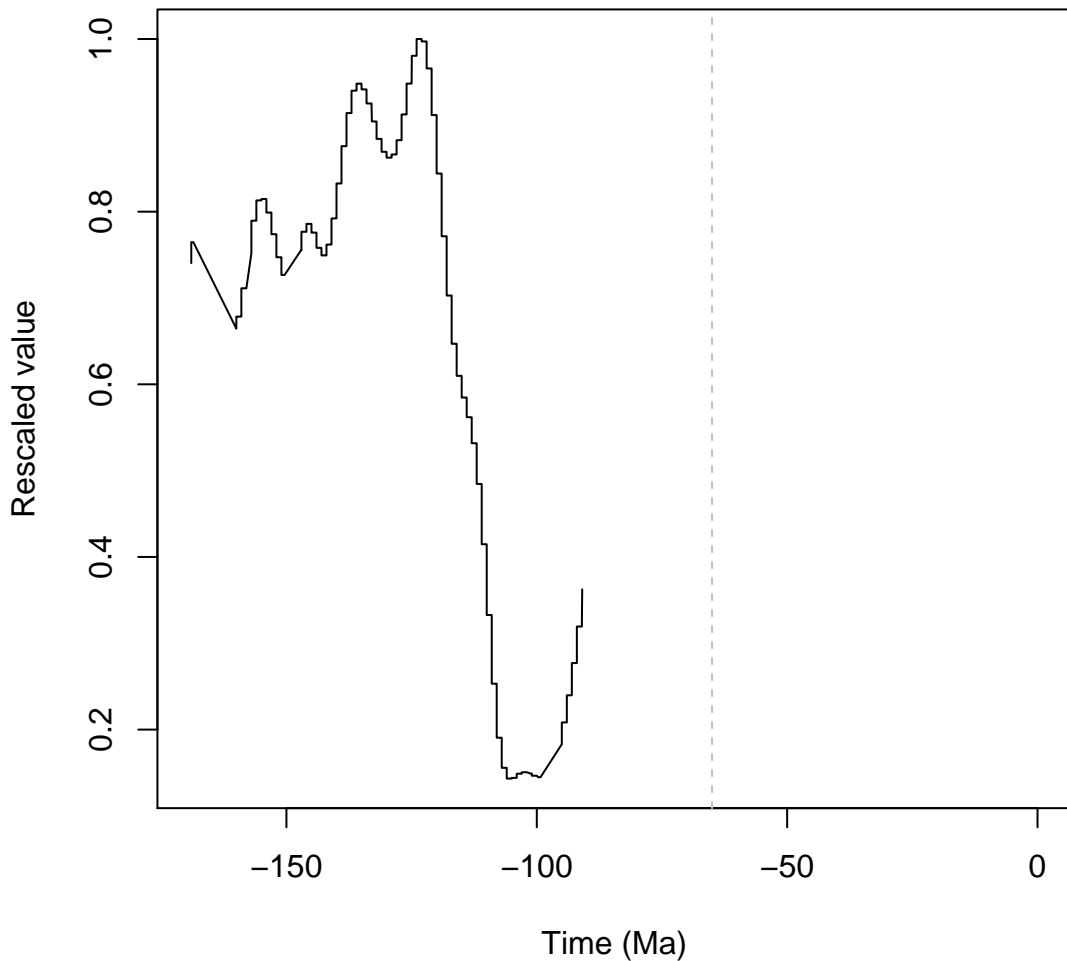**Trajectory of variable: LA_Global_interpolated**

Effect of: PI_Global_interpolated

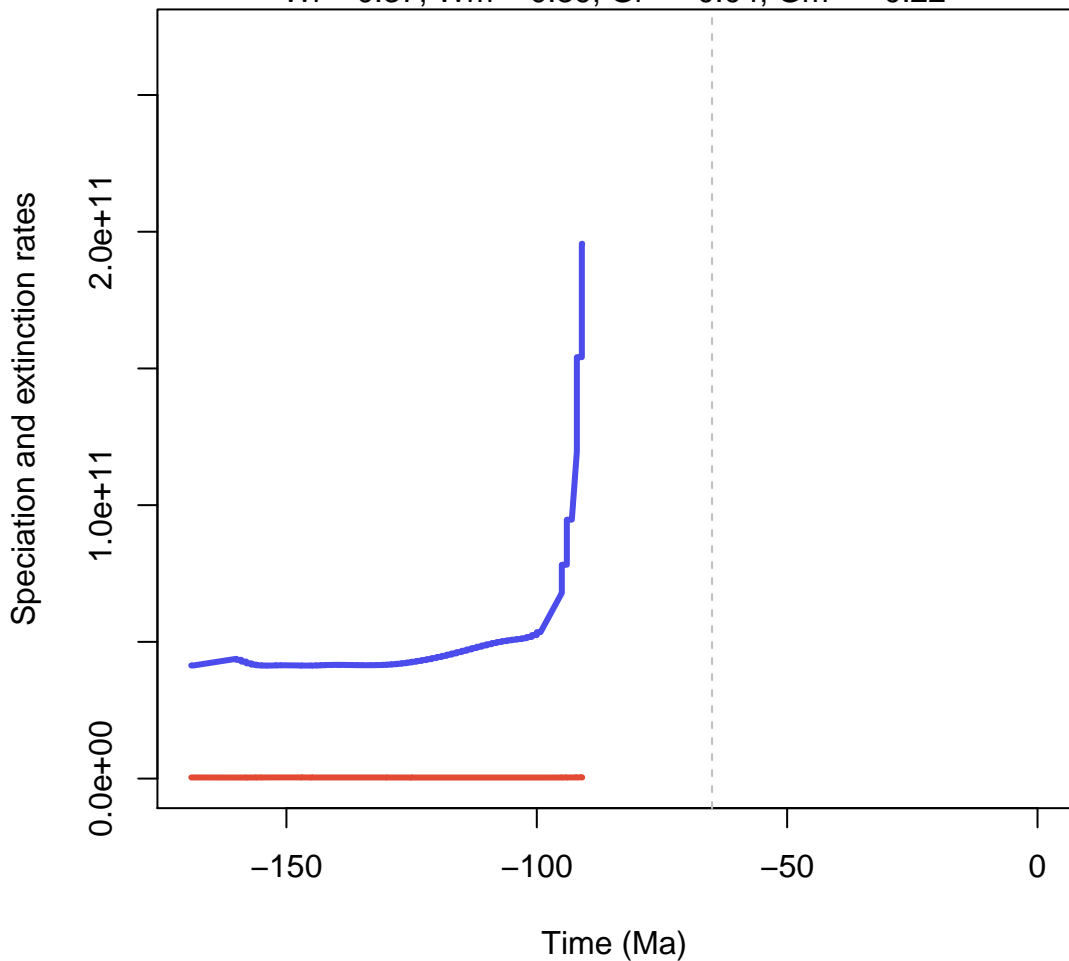WI = 0.5, Wm = 0.35, GI = 264.45, Gm = −87.67

Trajectory of variable: PI_Global_interpolated

Effect of: SDI_Global_interpolated

WI = 0.37, Wm = 0.39, GI = −0.04, Gm = −0.22

Trajectory of variable: SDI_Global_interpolated