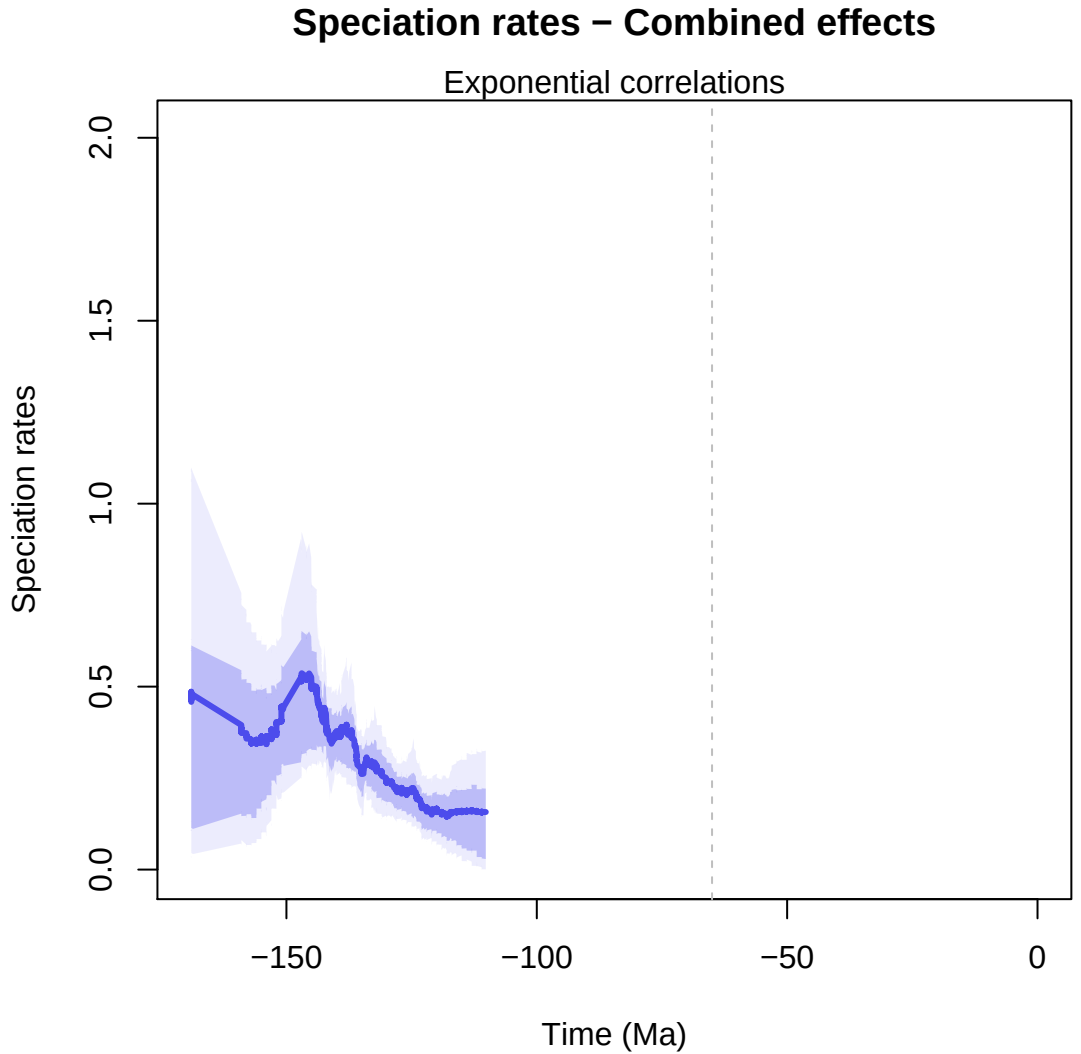
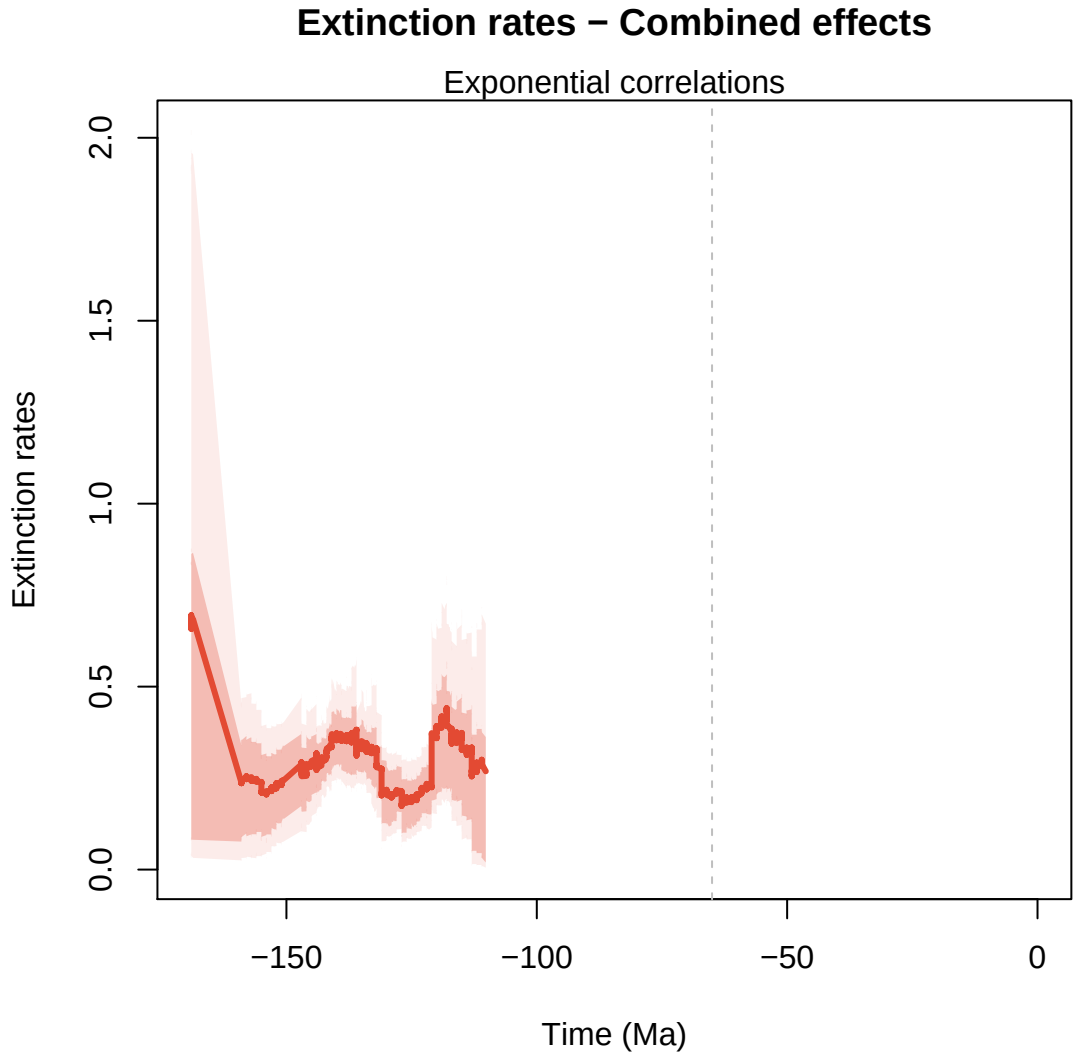
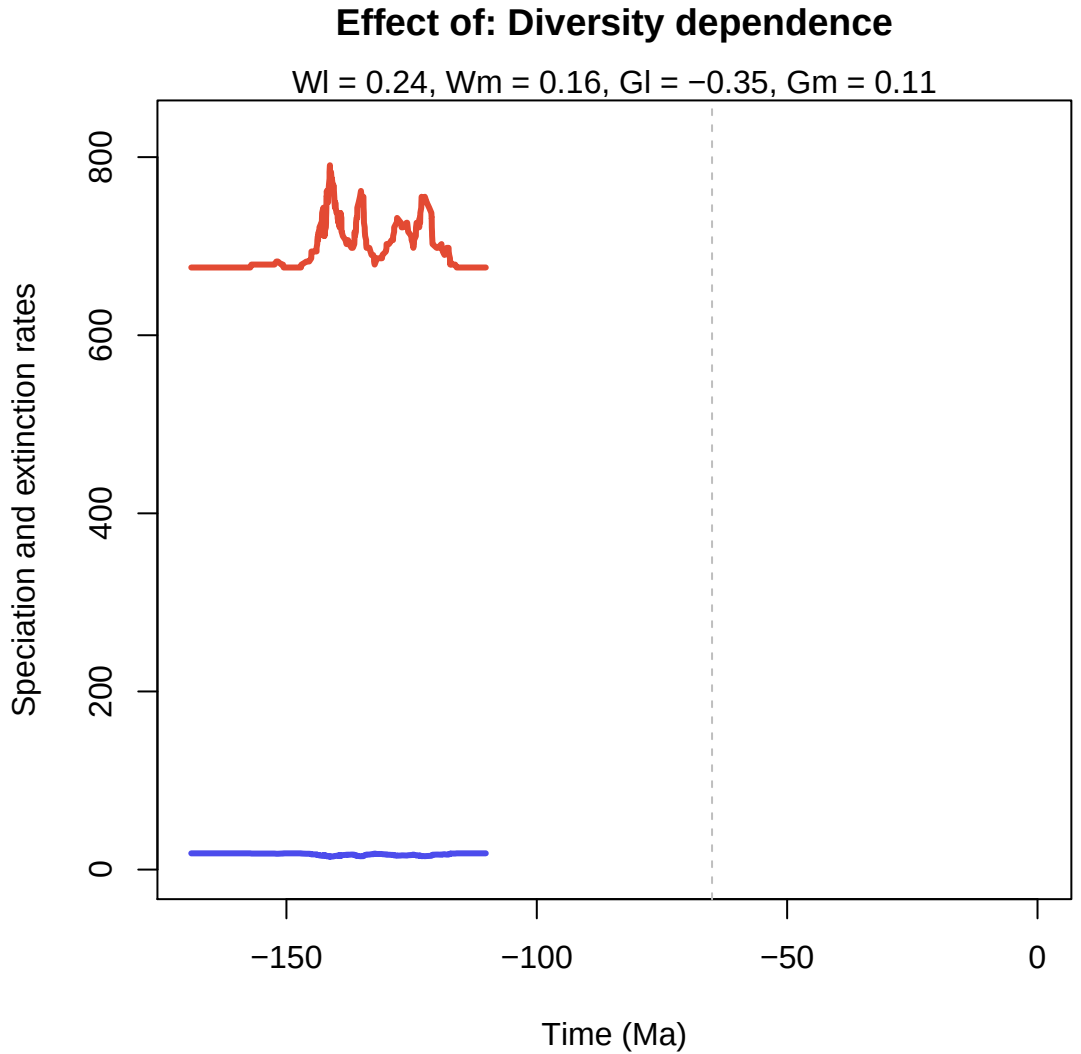
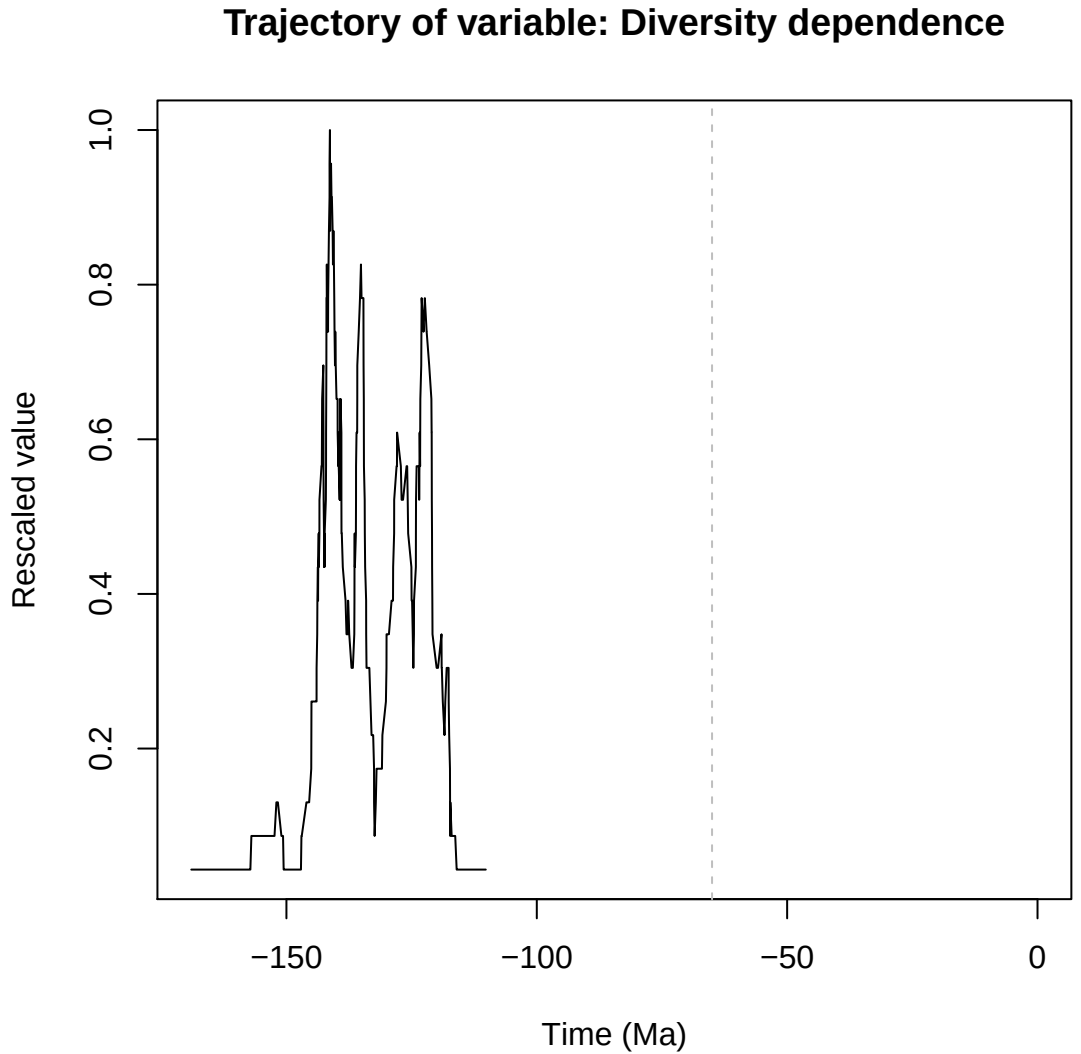
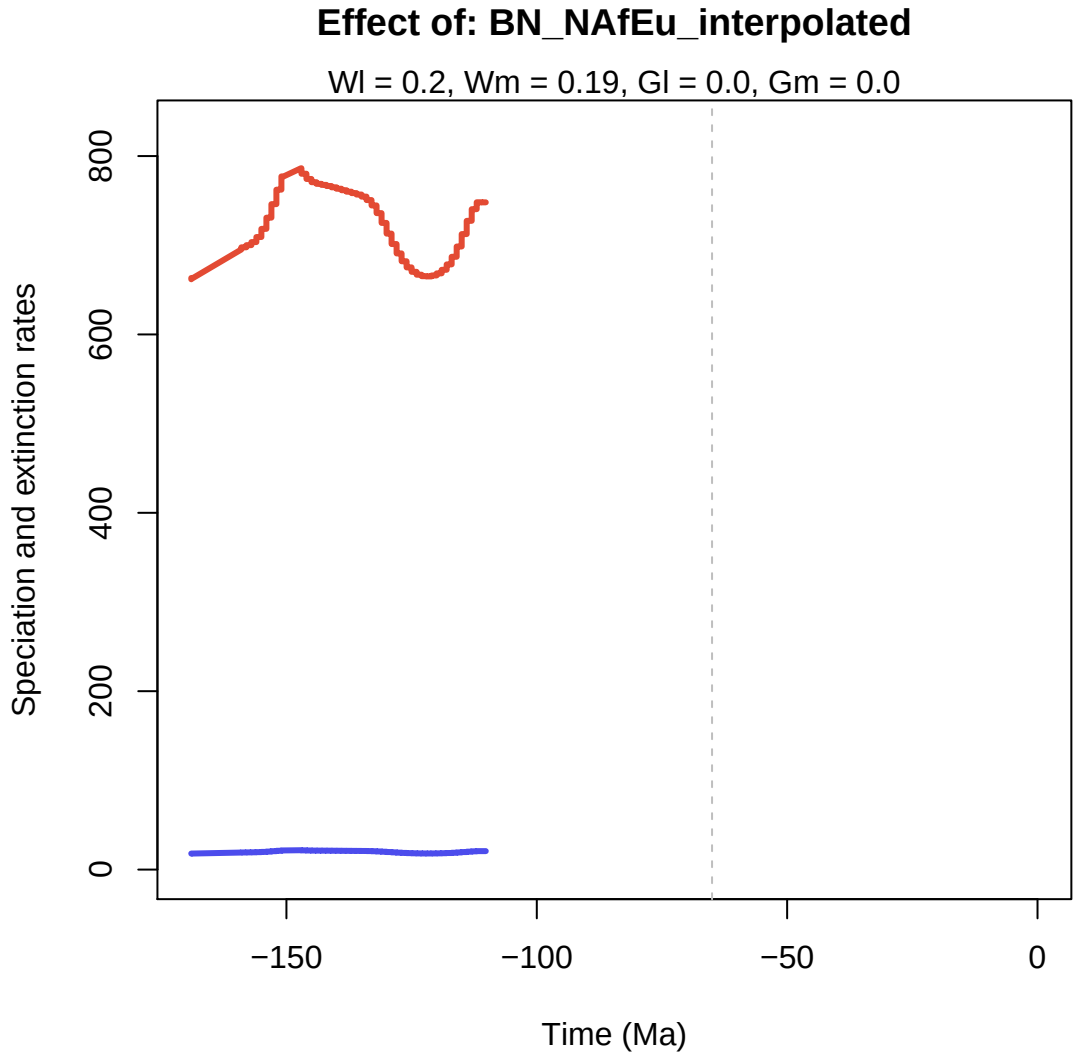
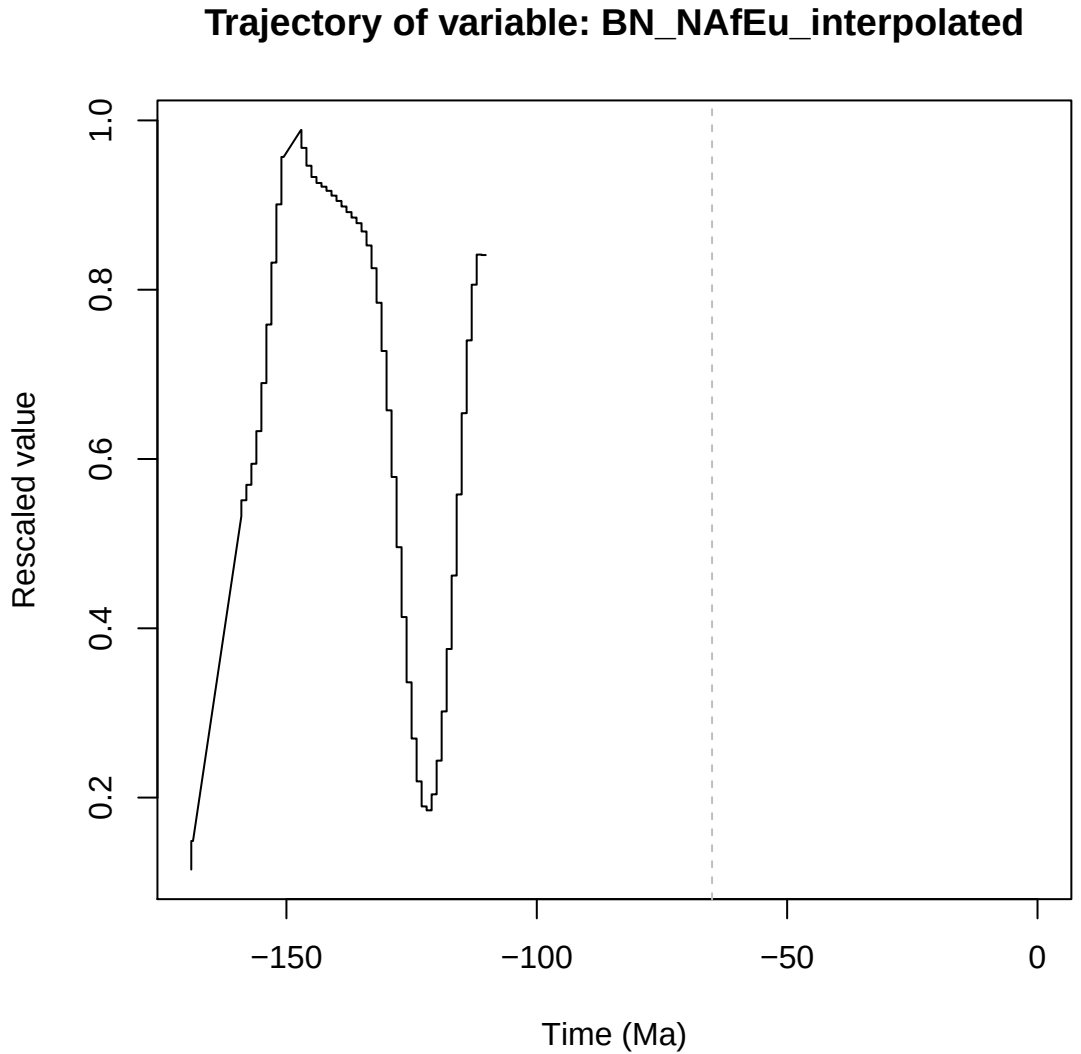

Speciation rates − Combined effects
Exponential correlations
Speciation rates
0.0
0.5
1.0
1.5
2.0
−150
−100
−50
0
Time (Ma)

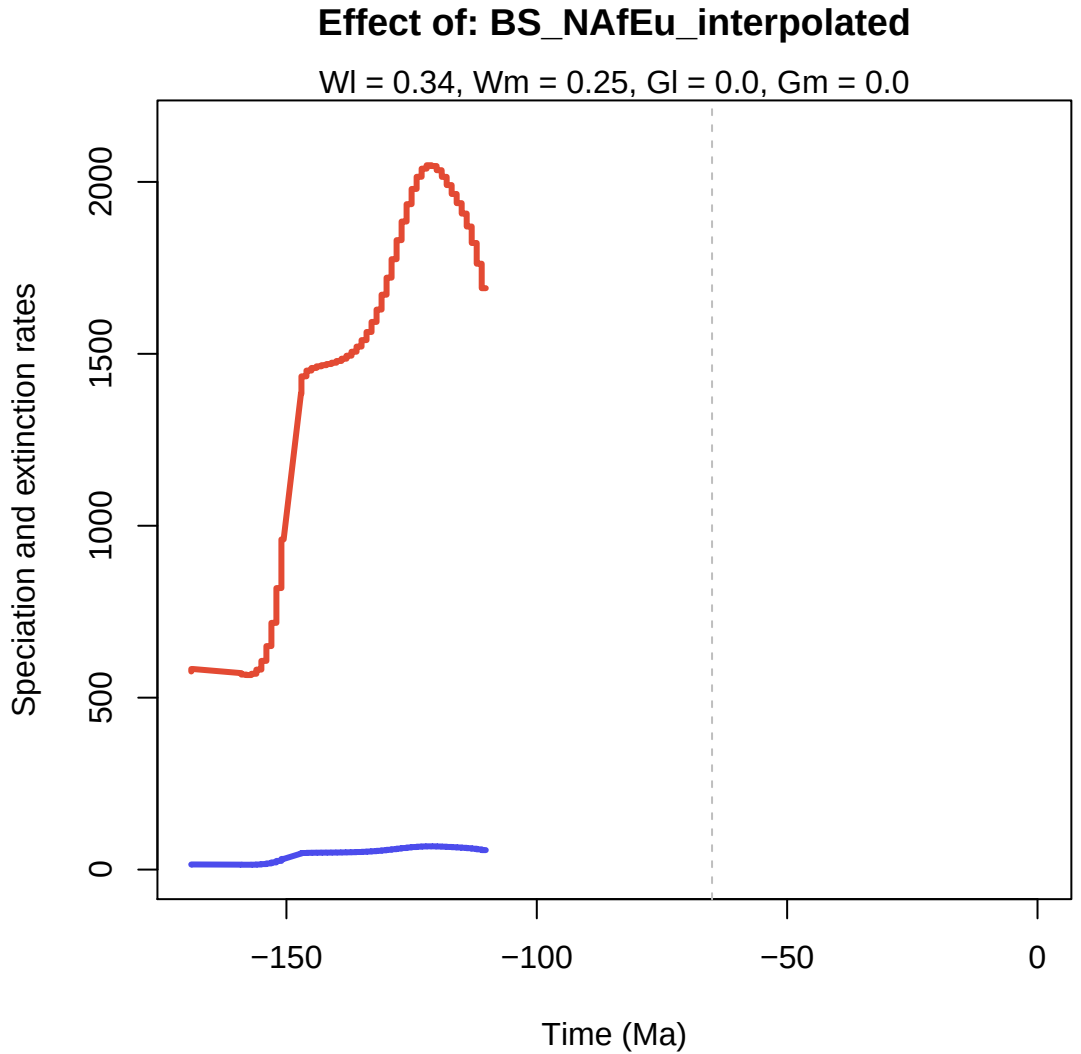

Extinction rates − Combined effects
Exponential correlations
Extinction rates
0.0
0.5
1.0
1.5
2.0
−150
−100
−50
0
Time (Ma)

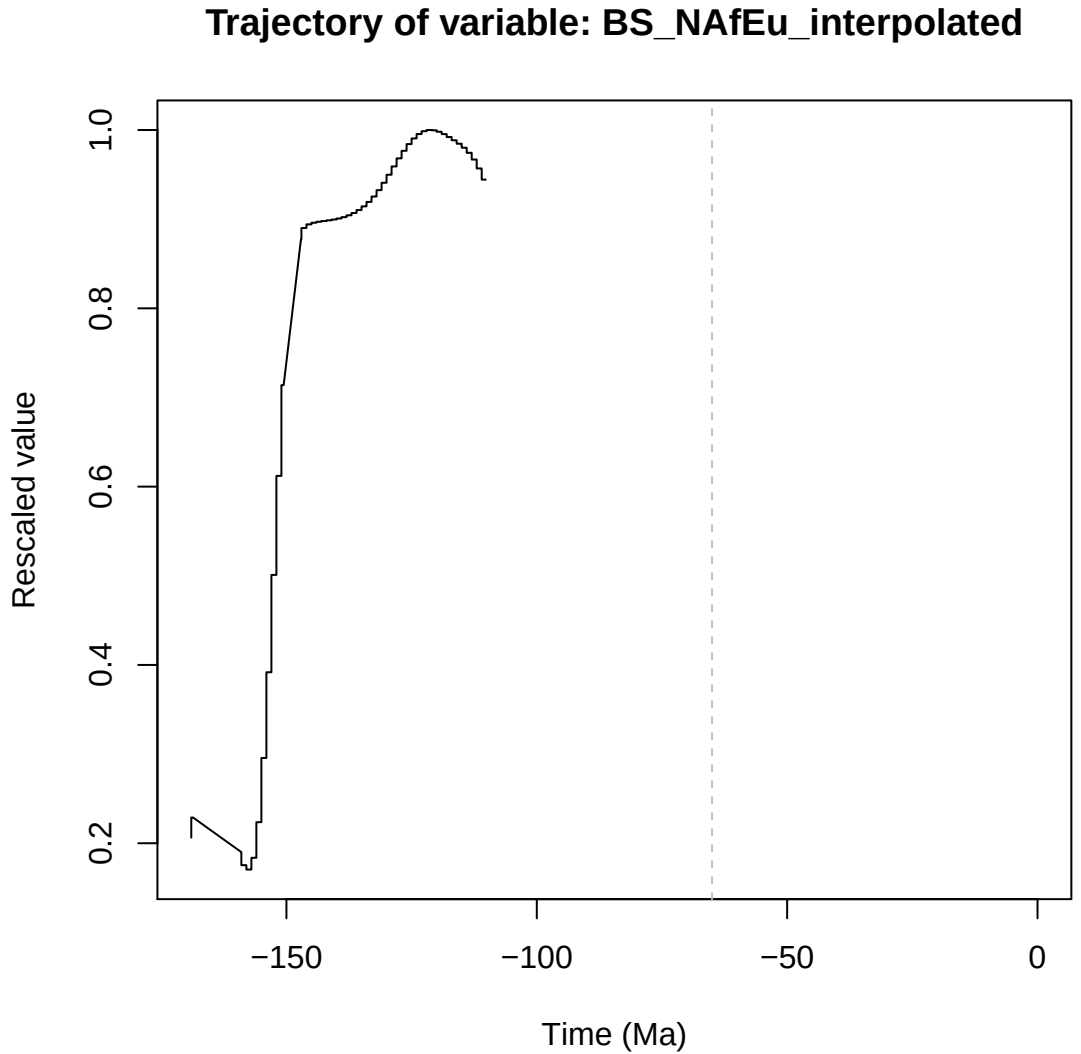

Effect of: Diversity dependence
Wl = 0.24, Wm = 0.16, Gl = −0.35, Gm = 0.11
Speciation and extinction rates
0
200
400
600
800
−150
−100
−50
0
Time (Ma)

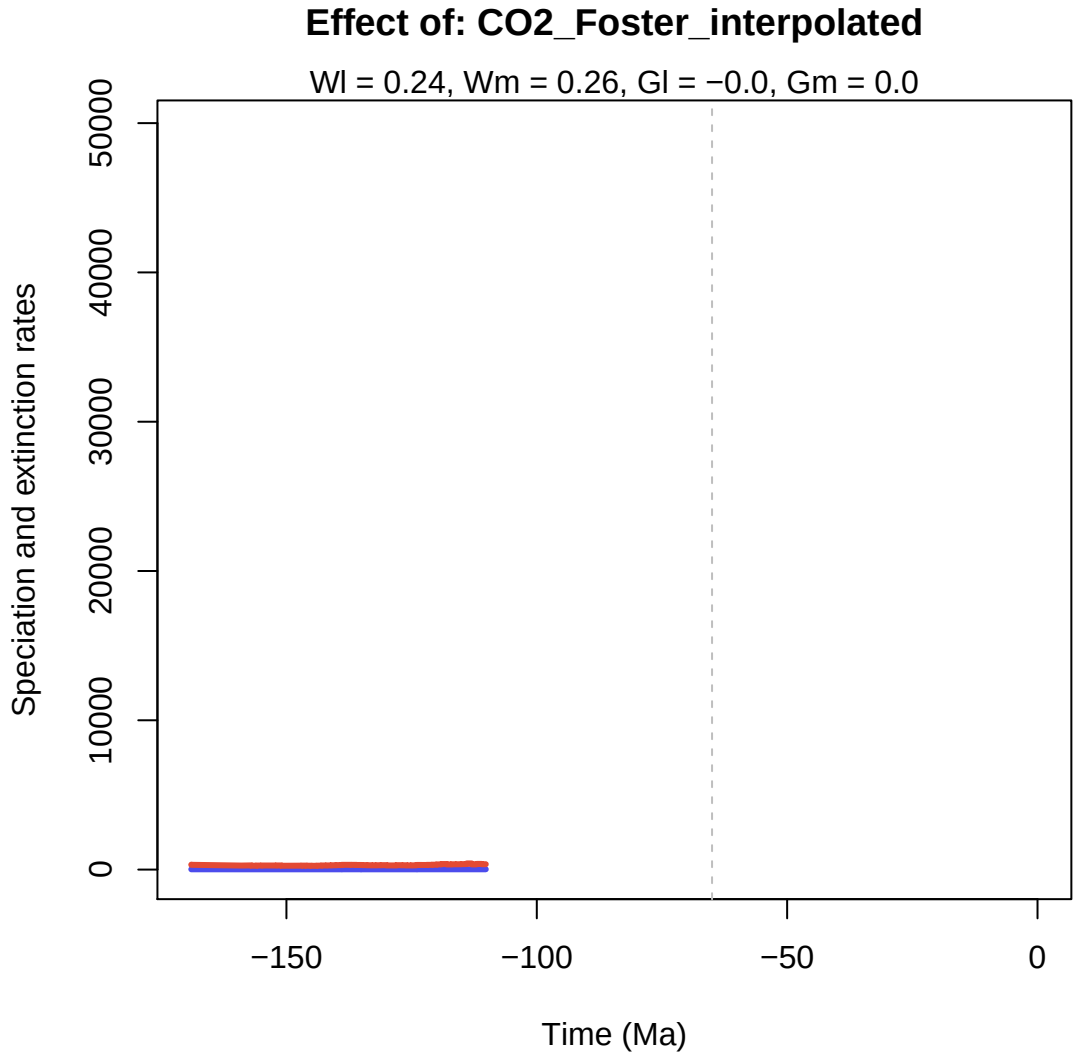

Trajectory of variable: Diversity dependence
Rescaled value
0.2
0.4
0.6
0.8
1.0
−150
−100
−50
0
Time (Ma)

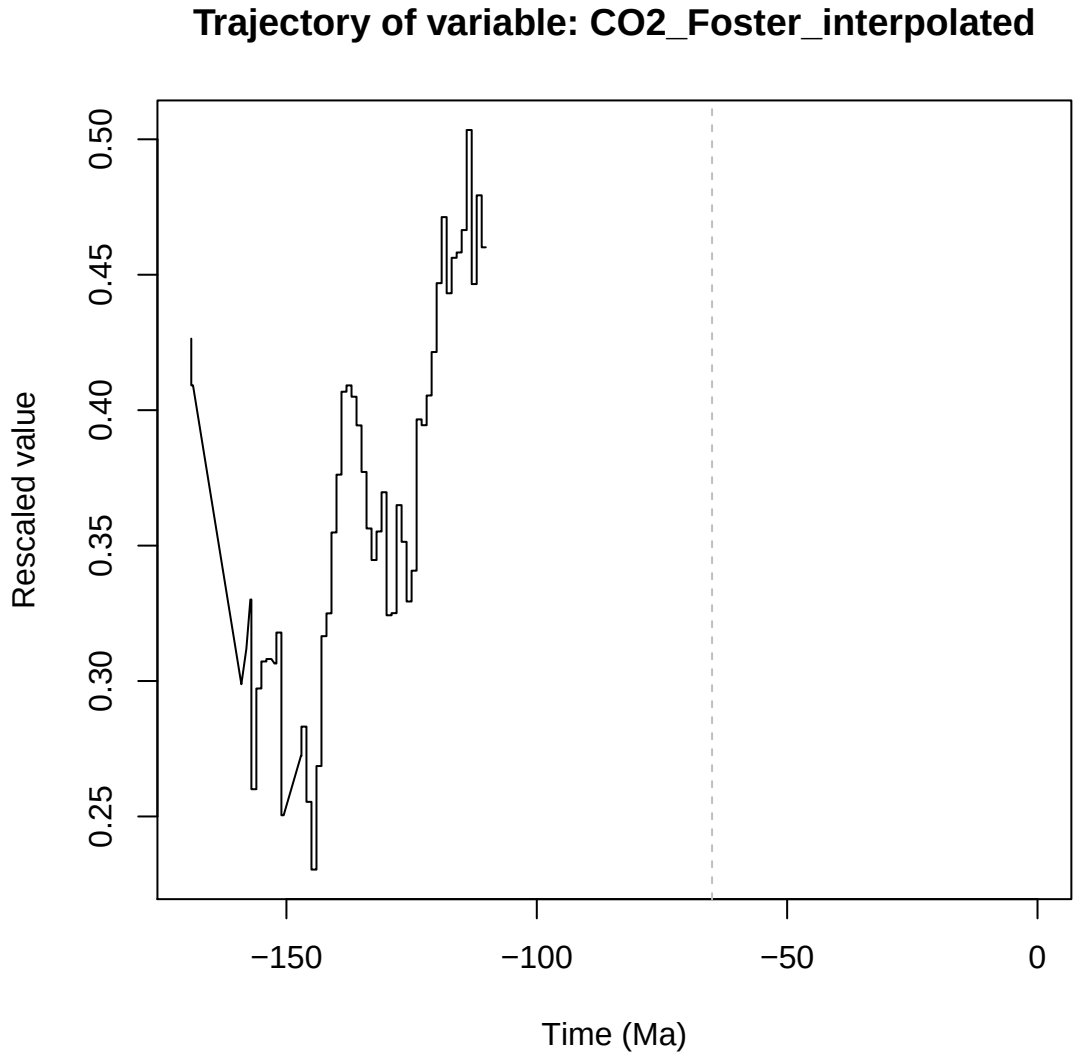

Effect of: BN_NAfEu_interpolated
Wl = 0.2, Wm = 0.19, Gl = 0.0, Gm = 0.0
Speciation and extinction rates
0
200
400
600
800
−150
−100
−50
0
Time (Ma)

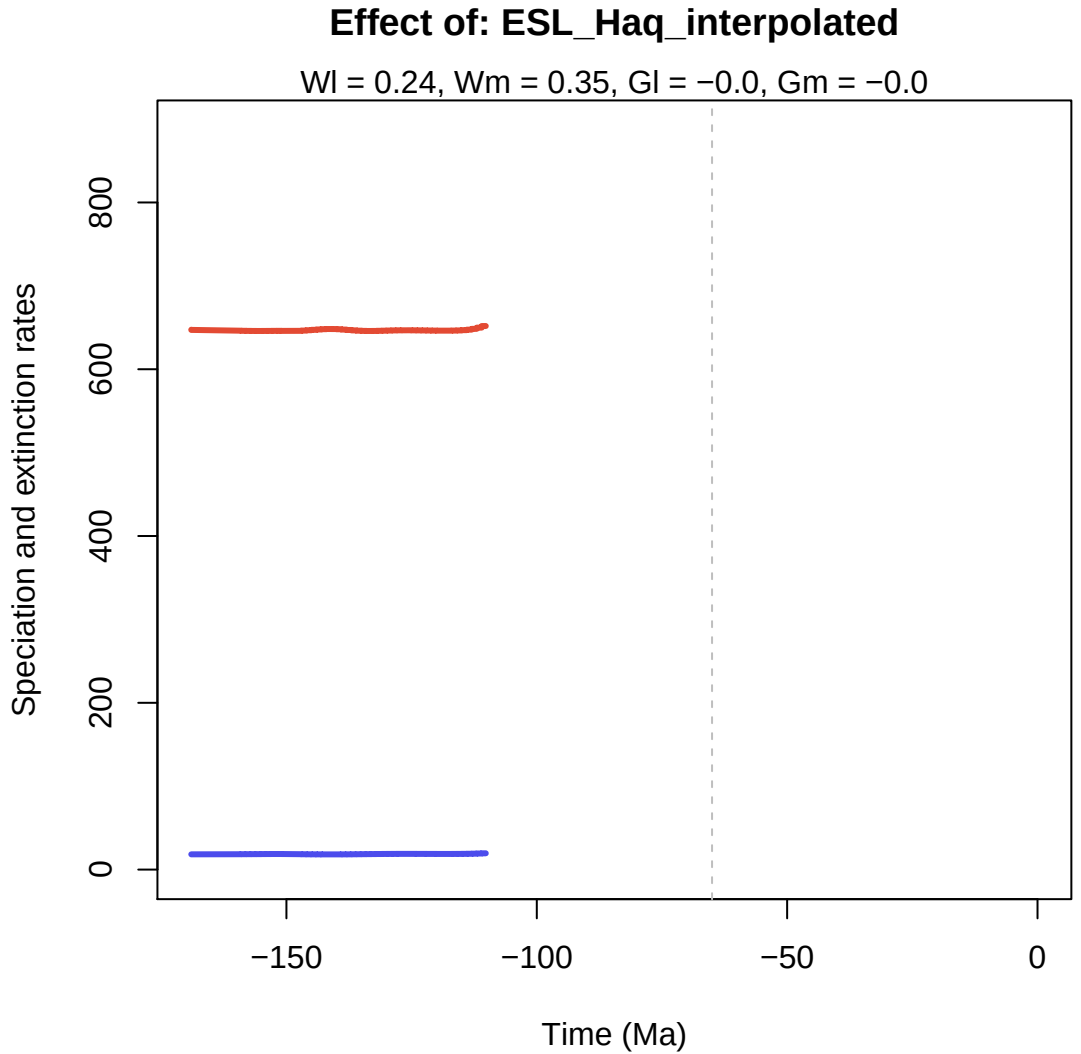

Trajectory of variable: BN_NAfEu_interpolated
Rescaled value
0.2
0.4
0.6
0.8
1.0
−150
−100
−50
0
Time (Ma)

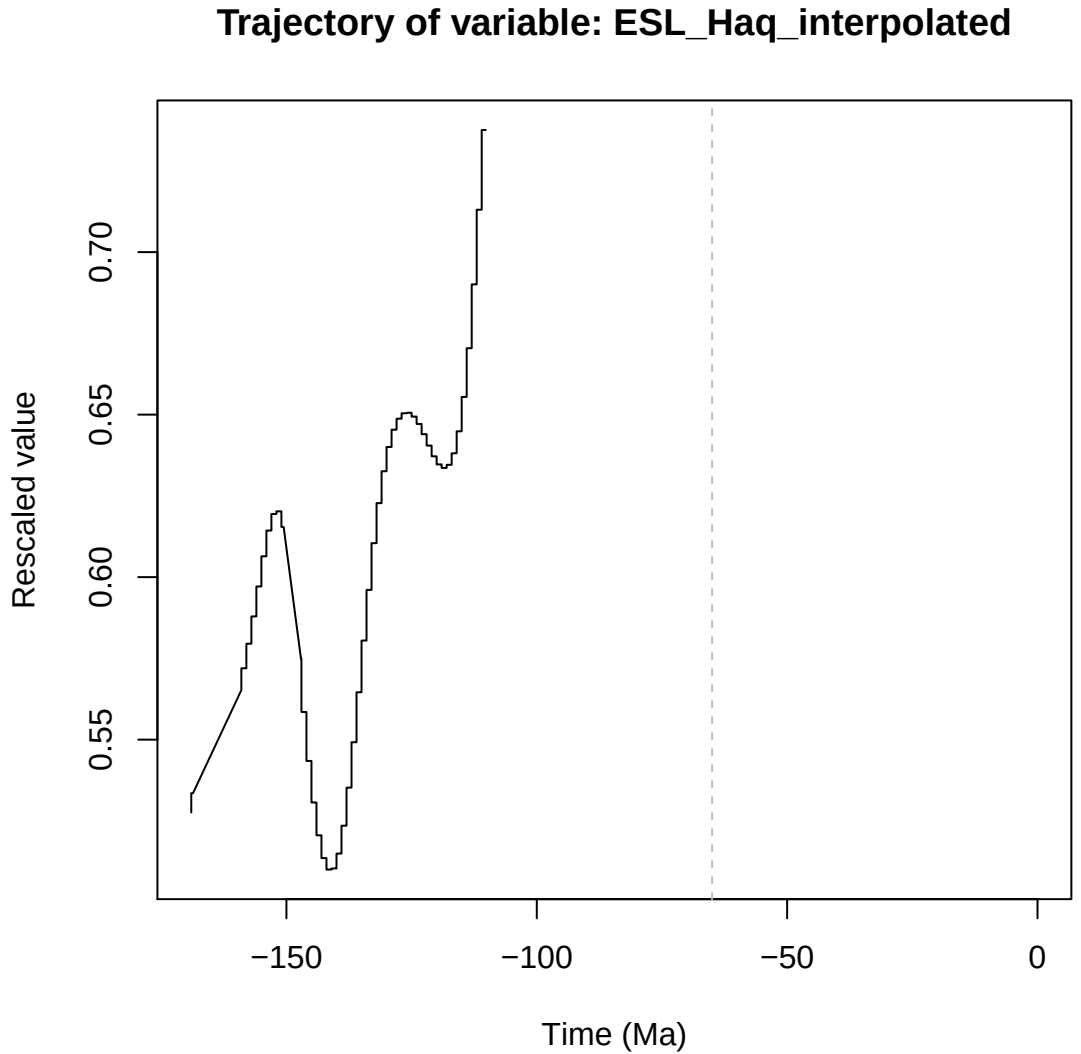

Effect of: BS_NAfEu_interpolated
Wl = 0.34, Wm = 0.25, Gl = 0.0, Gm = 0.0
Speciation and extinction rates
0
500
1000
1500
2000
−150
−100
−50
0
Time (Ma)

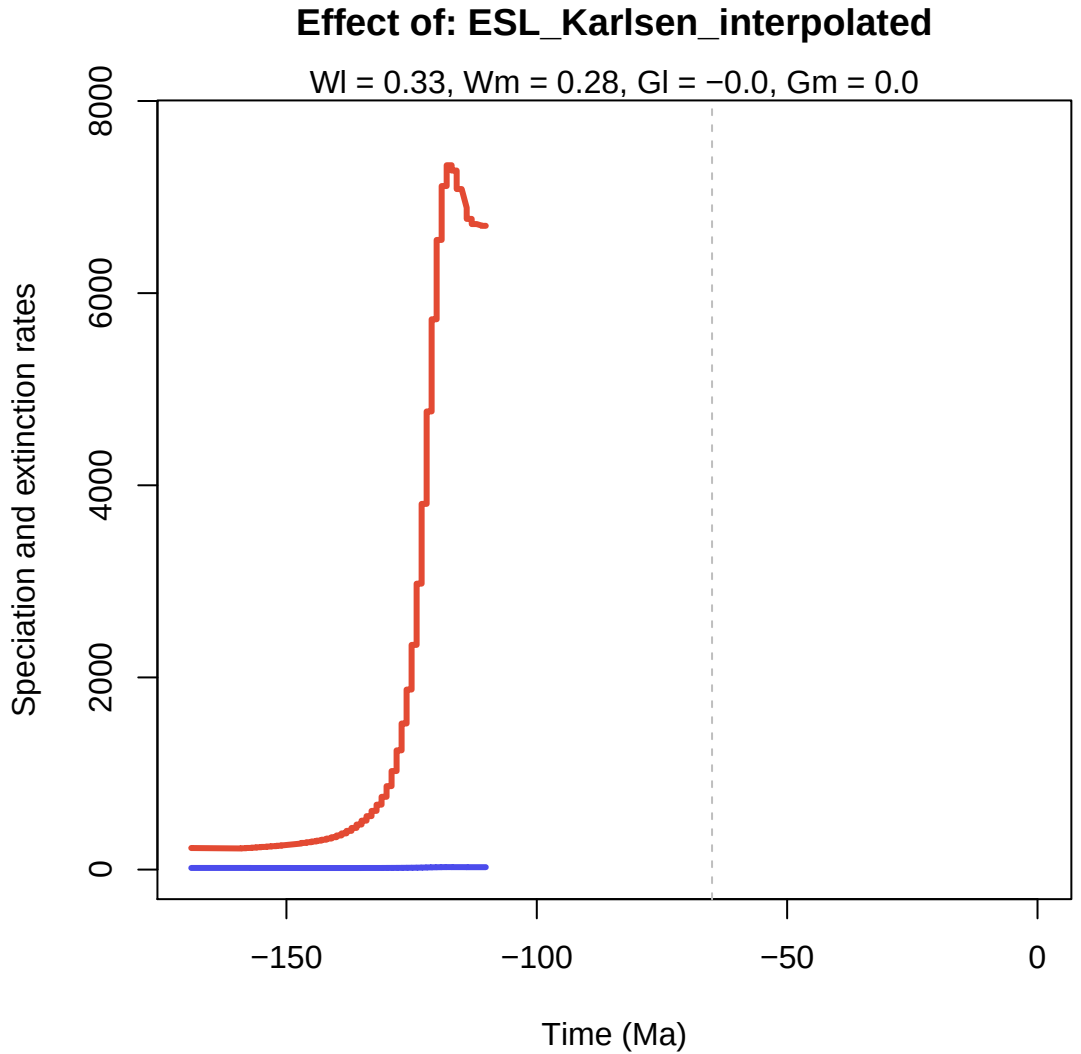

Trajectory of variable: BS_NAfEu_interpolated
Rescaled value
0.2
0.4
0.6
0.8
1.0
−150
−100
−50
0
Time (Ma)

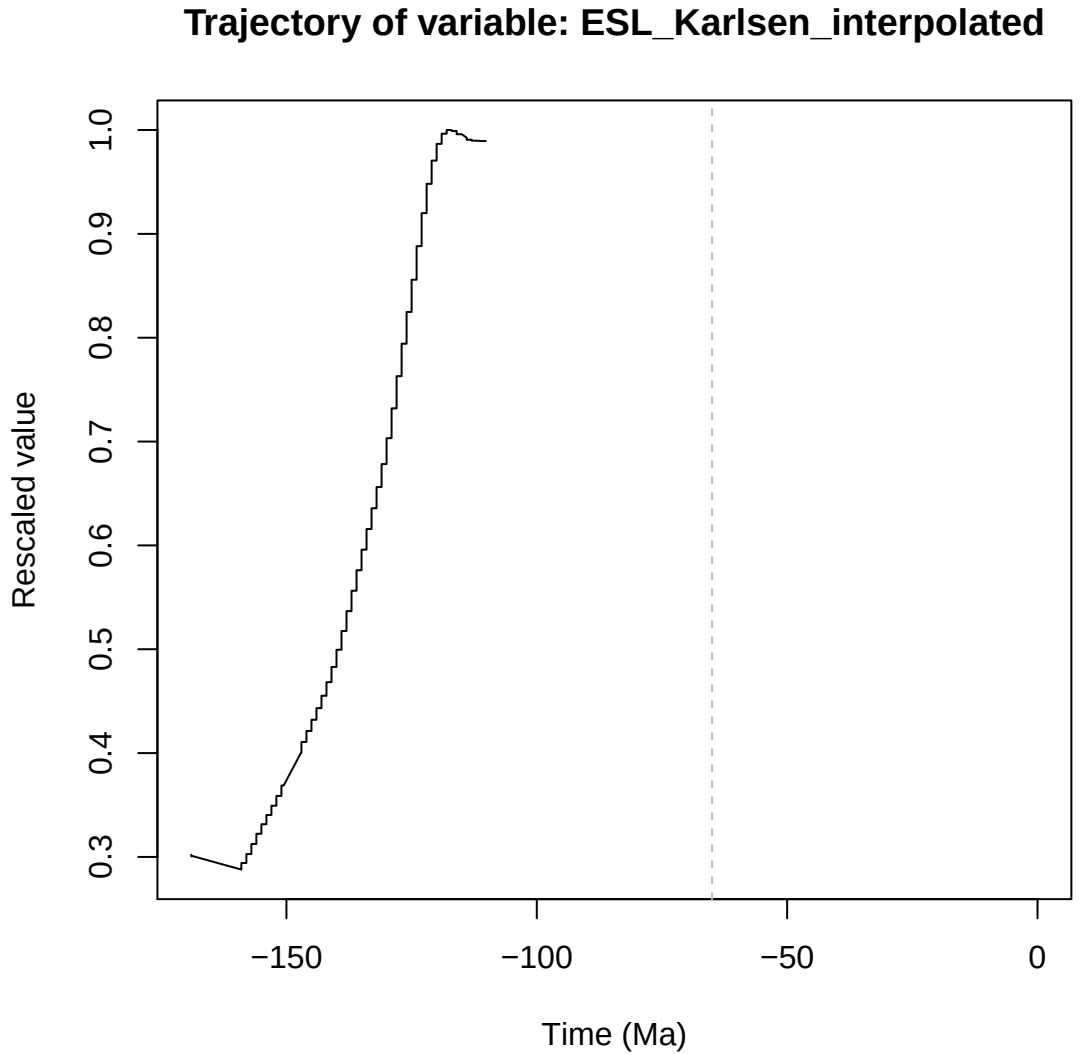

Effect of: CO2_Foster_interpolated
Wl = 0.24, Wm = 0.26, Gl = −0.0, Gm = 0.0
Speciation and extinction rates
0
10000
20000
30000
40000
50000
−150
−100
−50
0
Time (Ma)

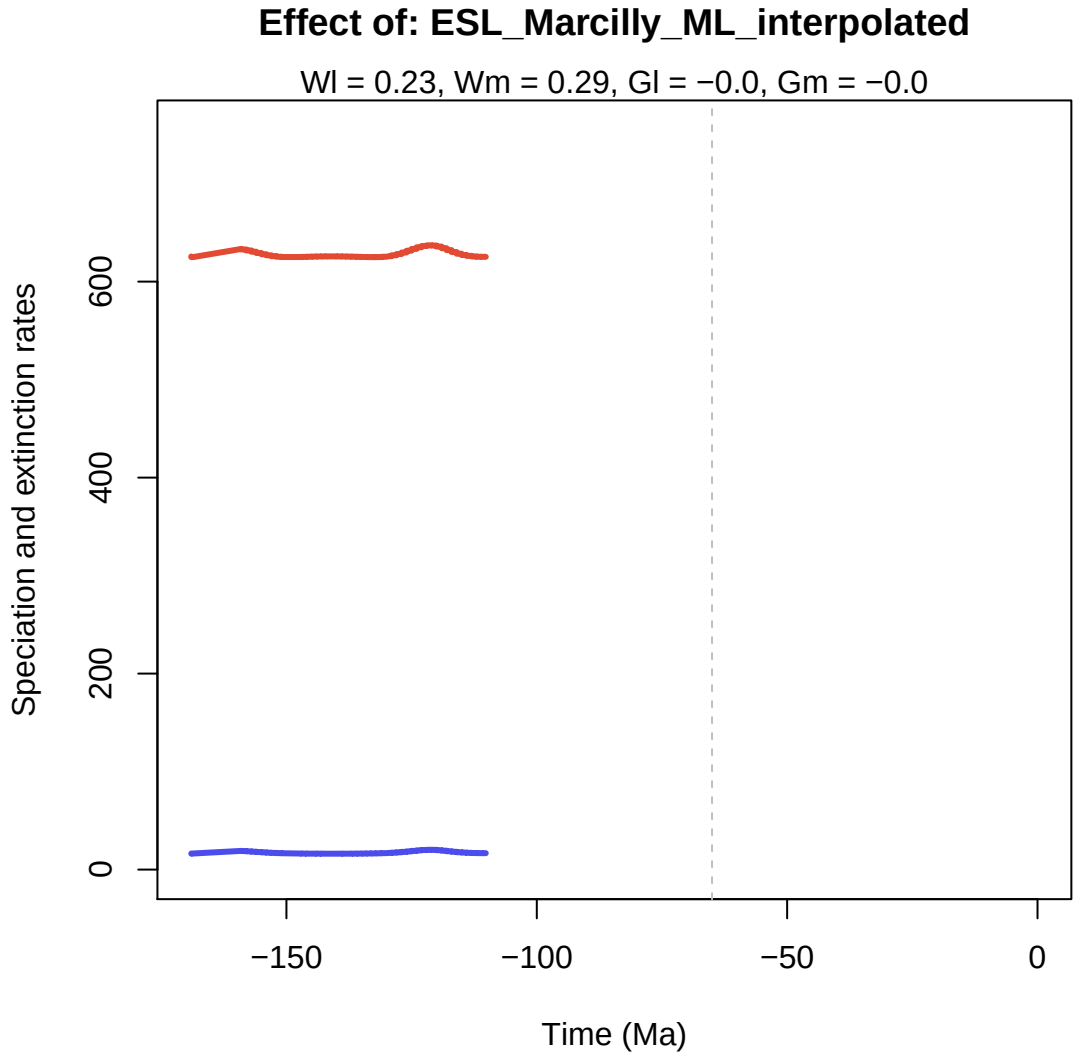

Trajectory of variable: CO2_Foster_interpolated
Rescaled value
0.25
0.30
0.35
0.40
0.45
0.50
−150
−100
−50
0
Time (Ma)

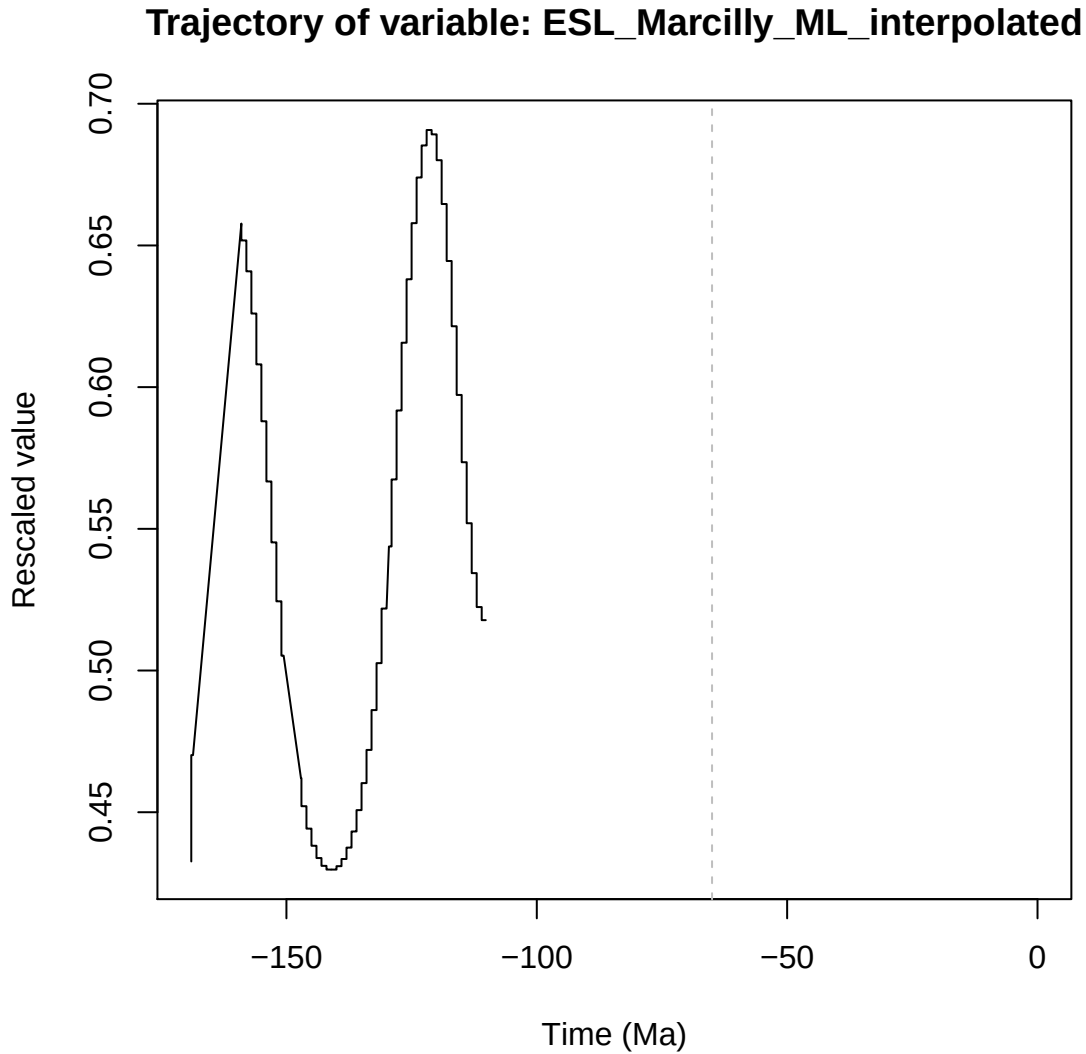

Effect of: ESL_Haq_interpolated
Wl = 0.24, Wm = 0.35, Gl = −0.0, Gm = −0.0
Speciation and extinction rates
0
200
400
600
800
−150
−100
−50
0
Time (Ma)

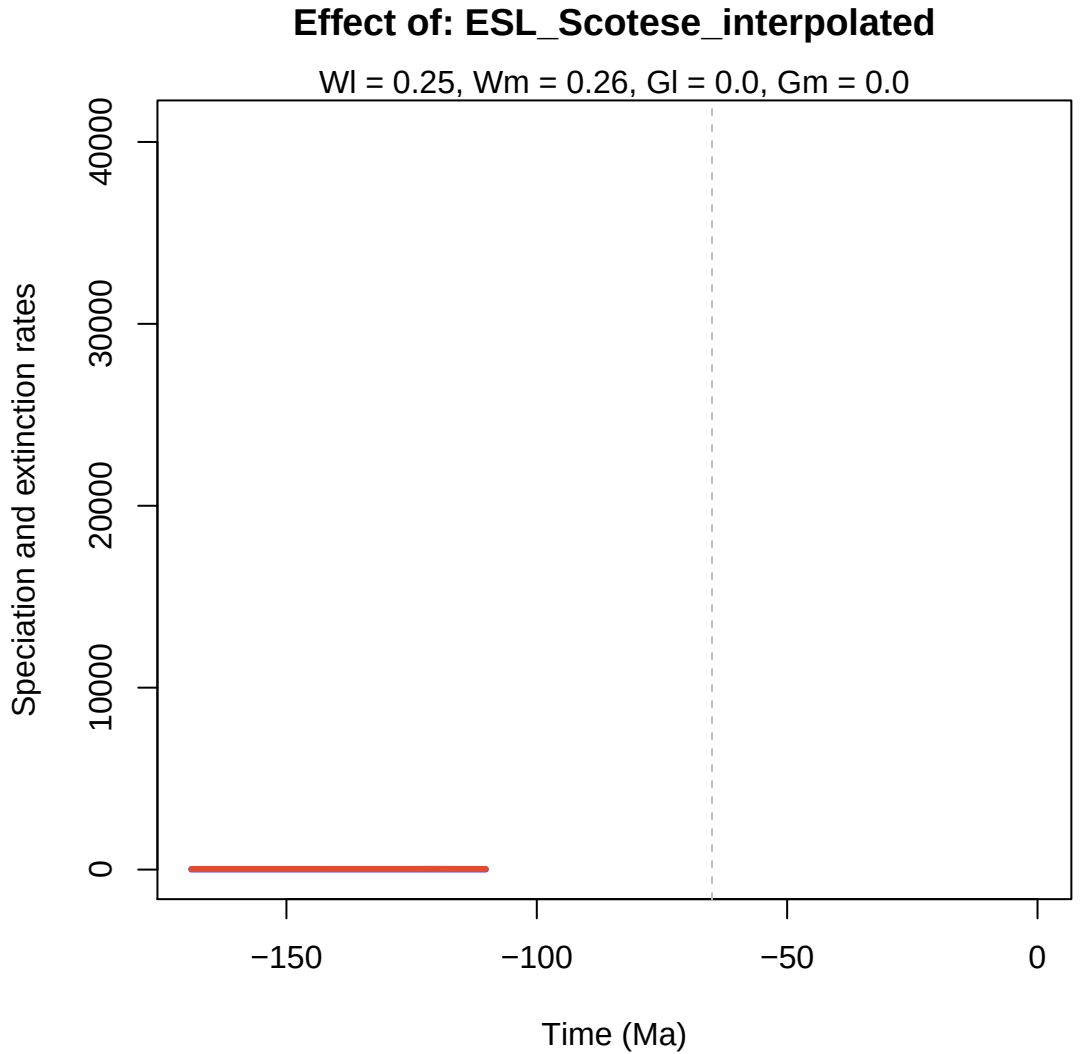

Trajectory of variable: ESL_Haq_interpolated
Rescaled value
0.55
0.60
0.65
0.70
−150
−100
−50
0
Time (Ma)

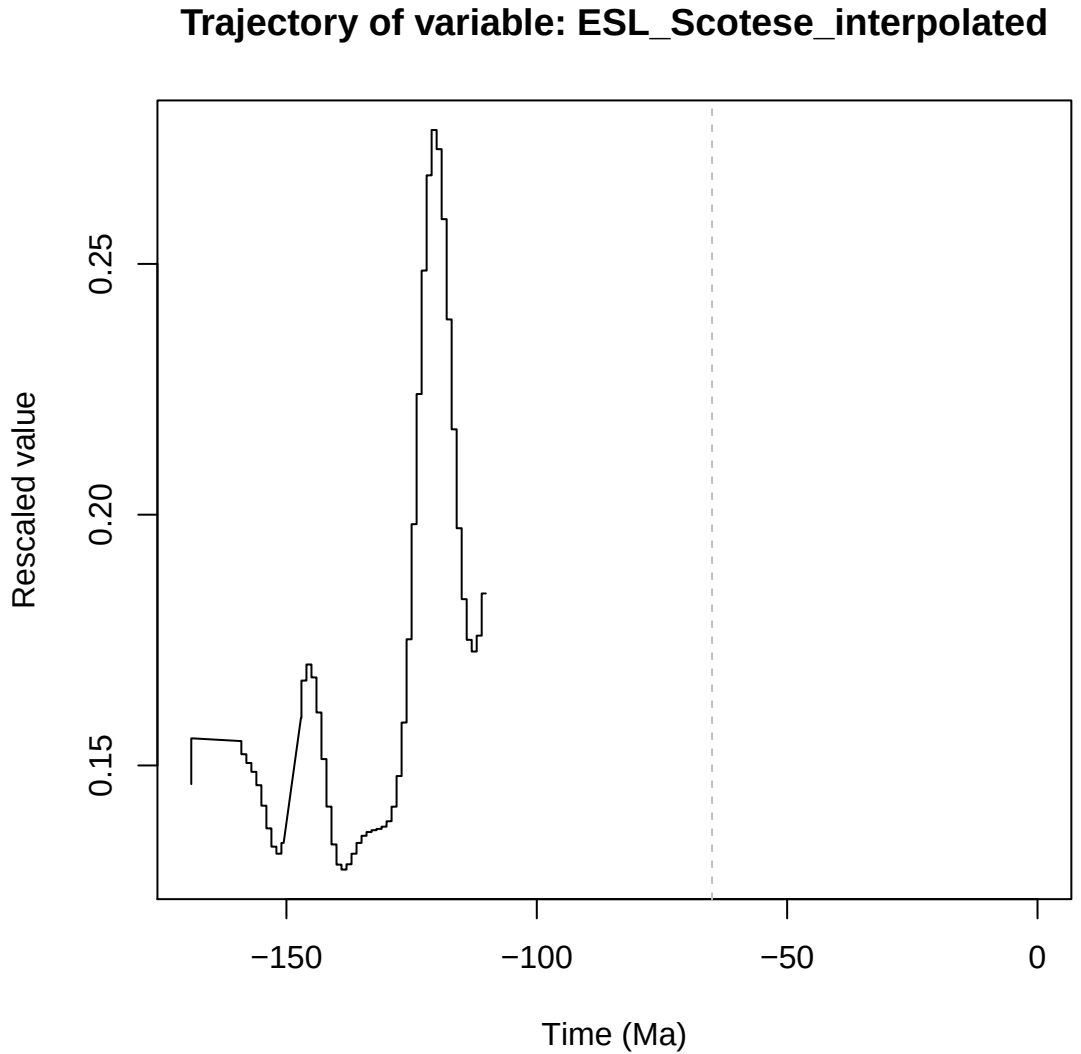

Effect of: ESL_Karlsen_interpolated
Wl = 0.33, Wm = 0.28, Gl = −0.0, Gm = 0.0
Speciation and extinction rates
0
2000
4000
6000
8000
−150
−100
−50
0
Time (Ma)

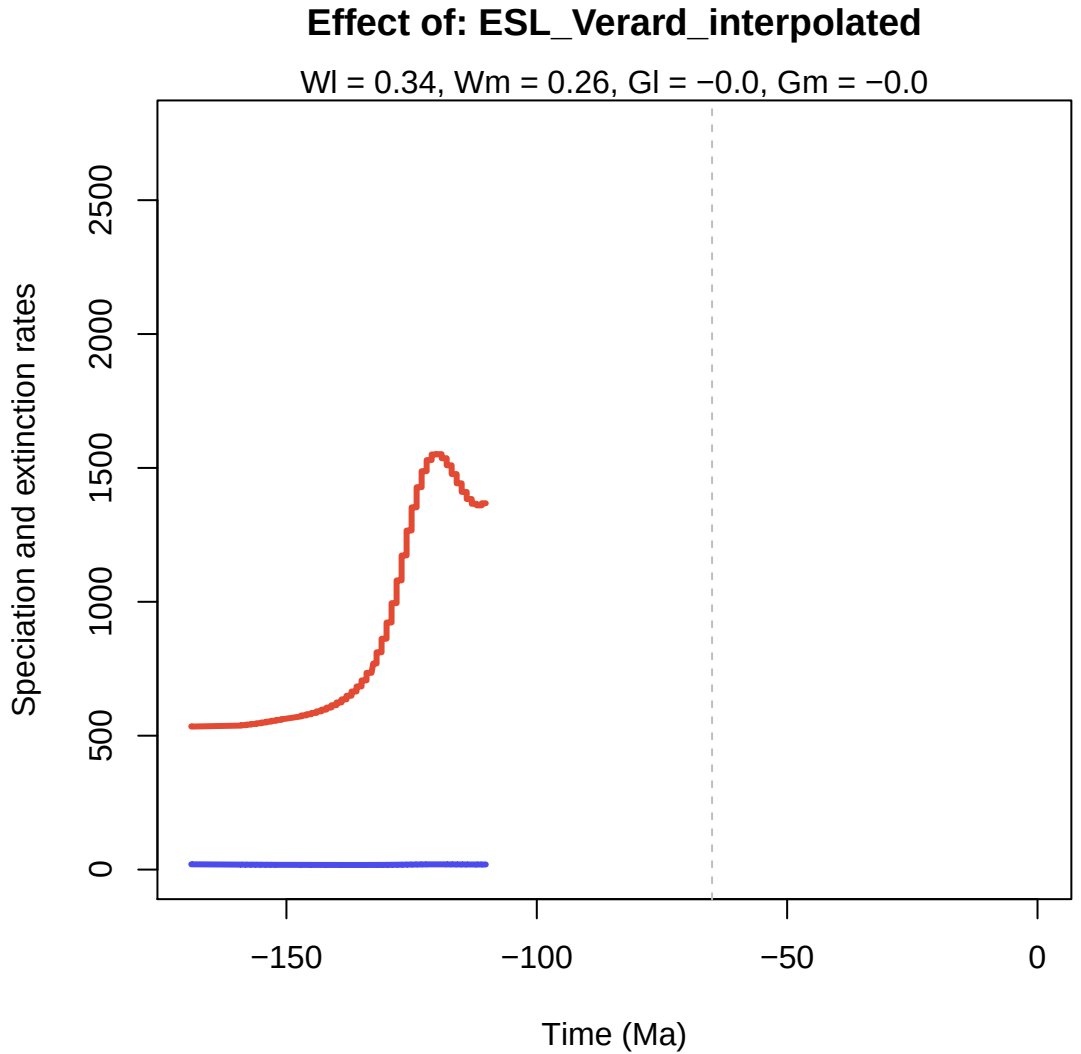

Trajectory of variable: ESL_Karlsen_interpolated
Rescaled value
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
−150
−100
−50
0
Time (Ma)

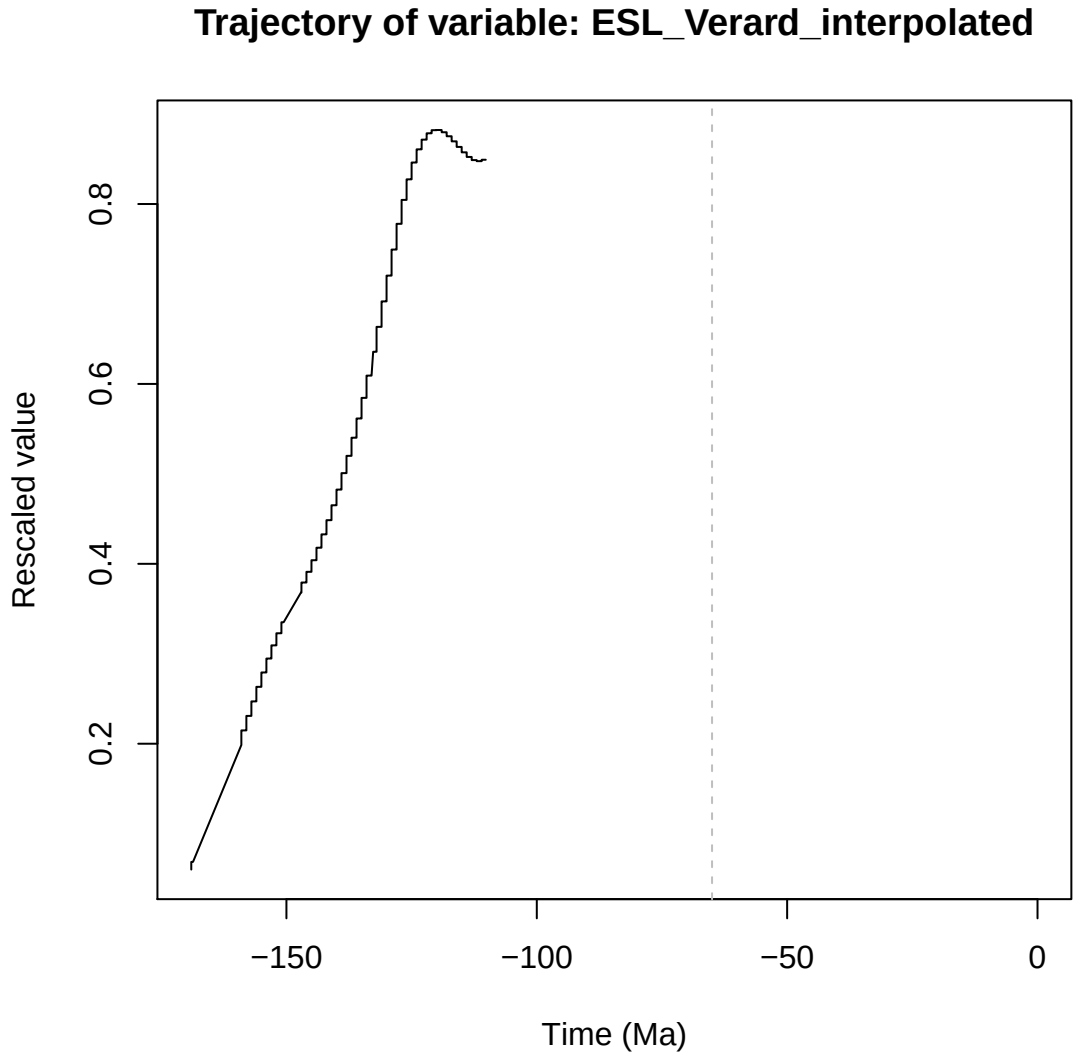

Effect of: ESL_Marcilly_ML_interpolated
Wl = 0.23, Wm = 0.29, Gl = −0.0, Gm = −0.0
Speciation and extinction rates
0
200
400
600
−150
−100
−50
0
Time (Ma)

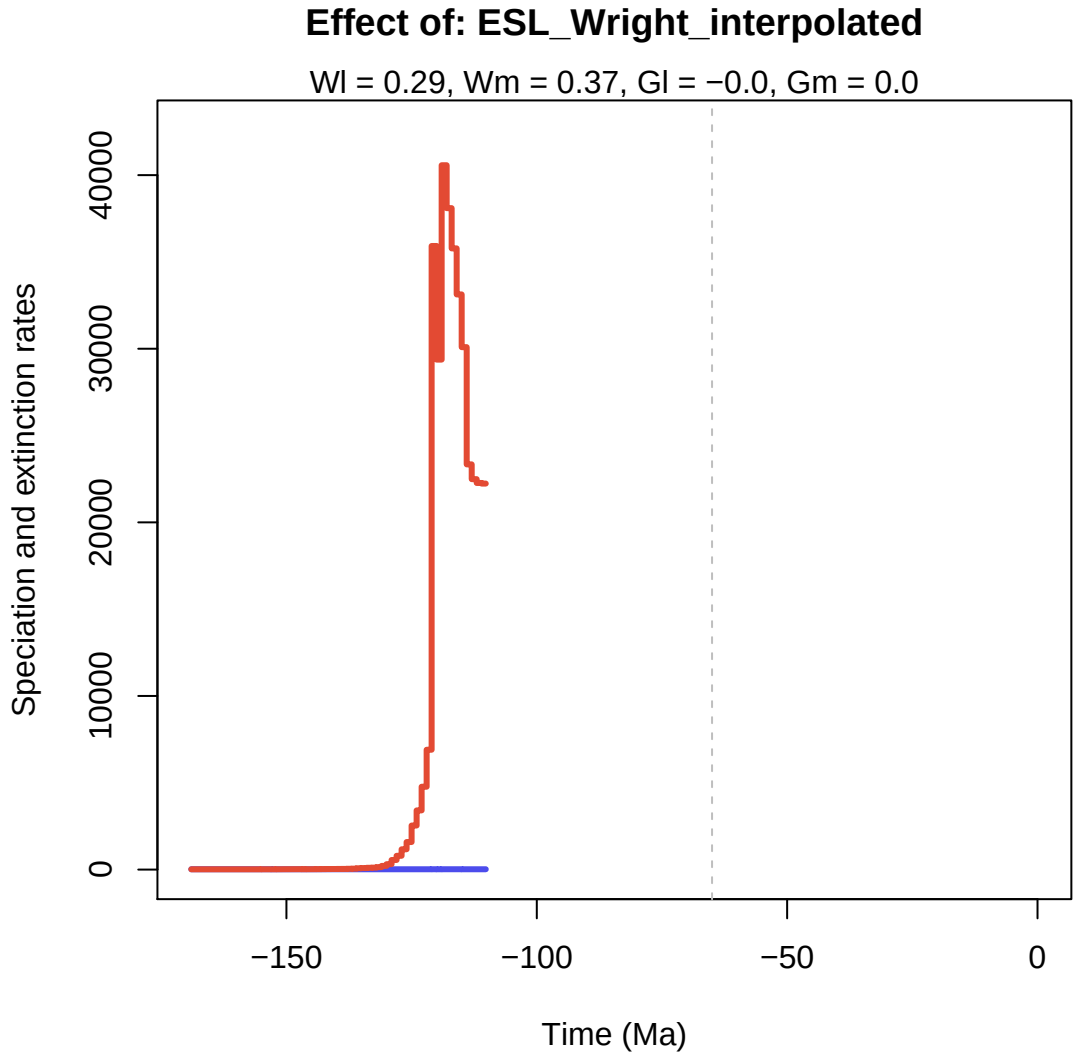

Trajectory of variable: ESL_Marcilly_ML_interpolated
Rescaled value
0.45
0.50
0.55
0.60
0.65
0.70
−150
−100
−50
0
Time (Ma)

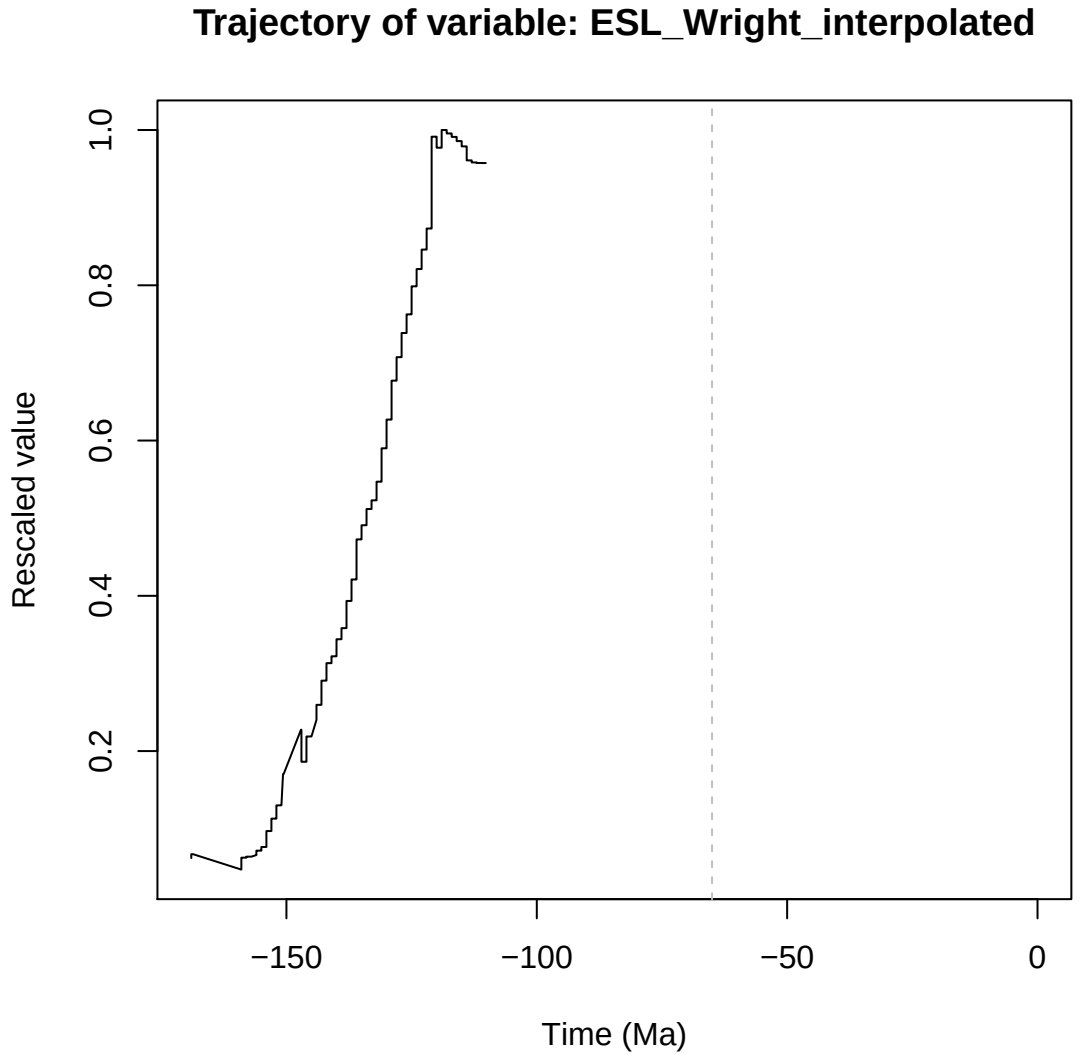

Effect of: ESL_Scotese_interpolated
Wl = 0.25, Wm = 0.26, Gl = 0.0, Gm = 0.0
Speciation and extinction rates
0
10000
20000
30000
40000
−150
−100
−50
0
Time (Ma)

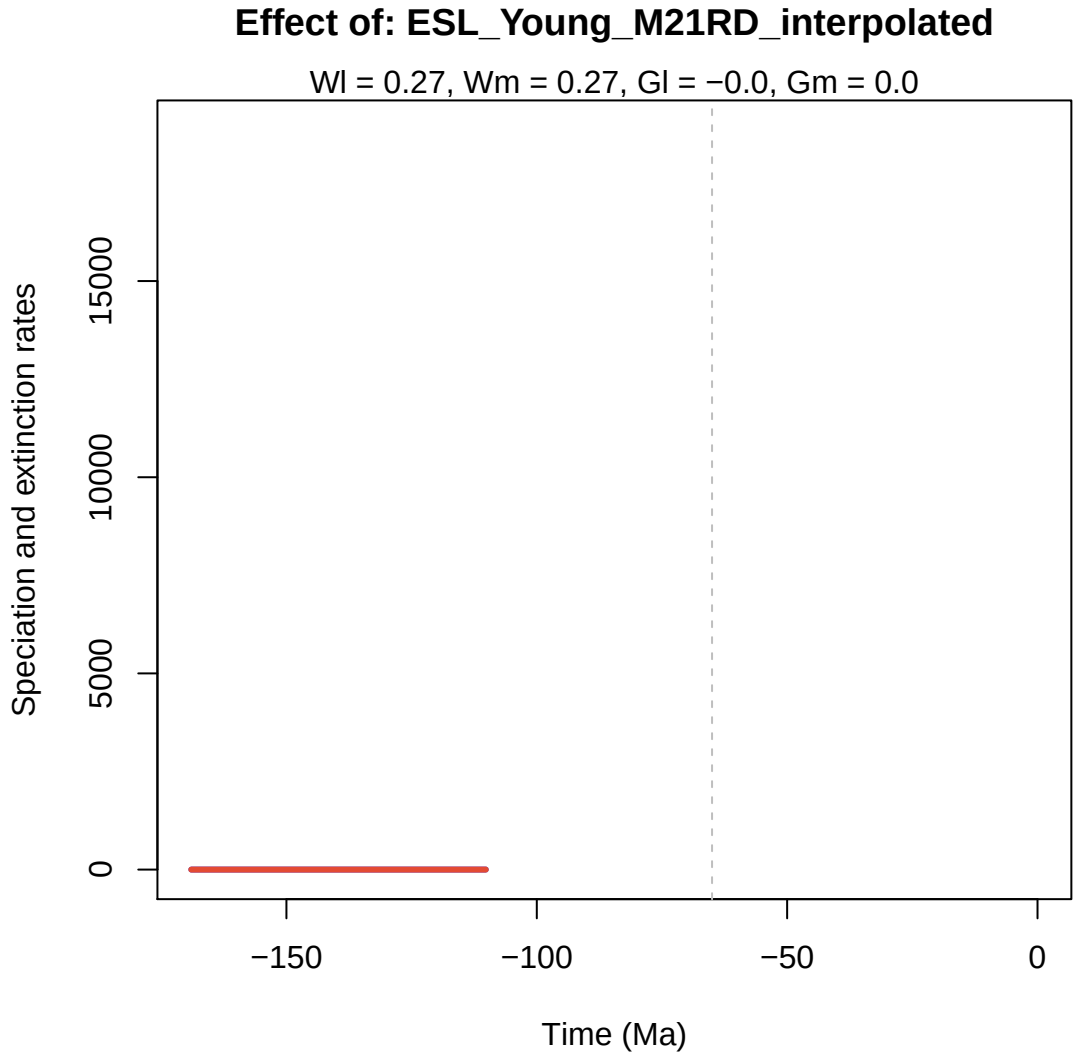

Trajectory of variable: ESL_Scotese_interpolated
Rescaled value
0.15
0.20
0.25
−150
−100
−50
0
Time (Ma)

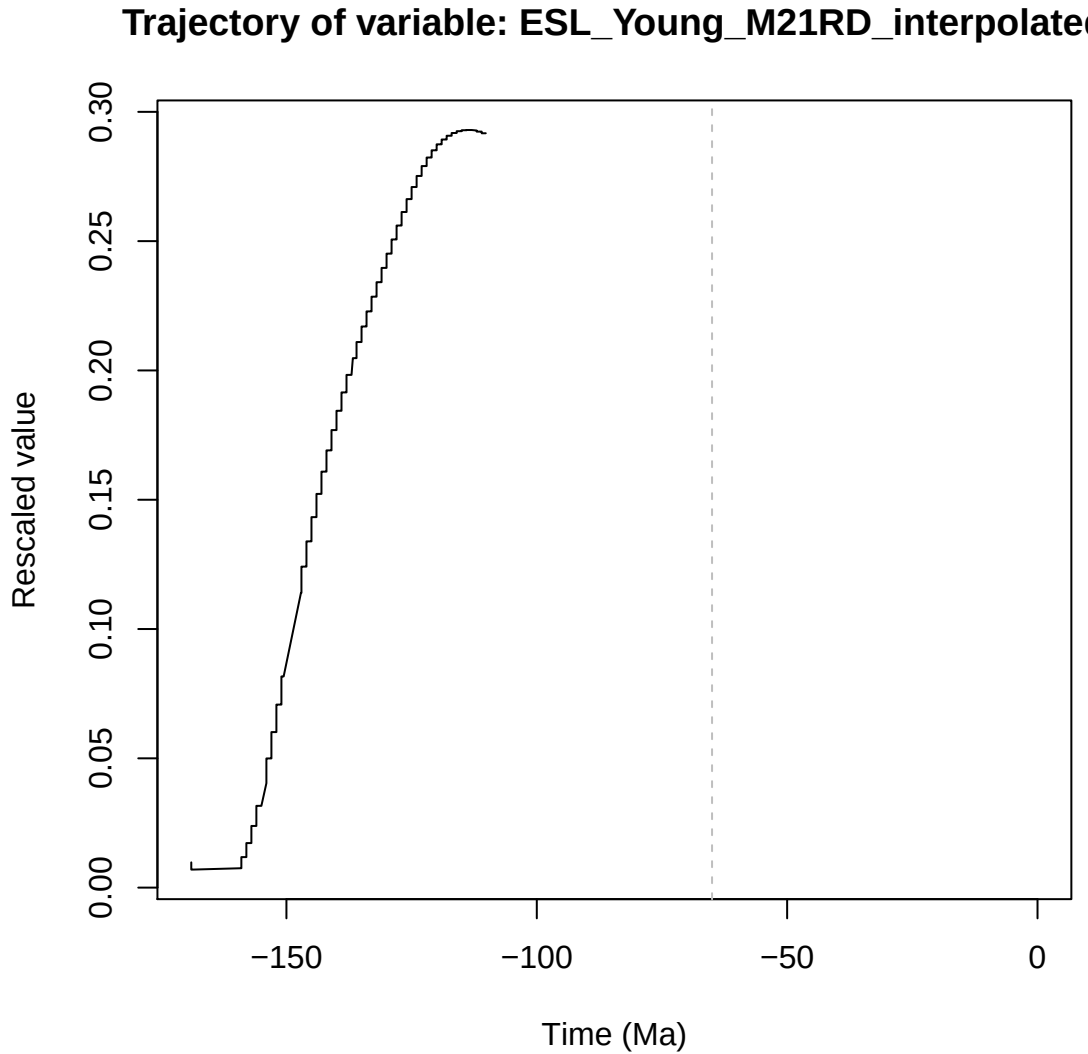

Effect of: ESL_Verard_interpolated
Wl = 0.34, Wm = 0.26, Gl = −0.0, Gm = −0.0
Speciation and extinction rates
0
500
1000
1500
2000
2500
−150
−100
−50
0
Time (Ma)

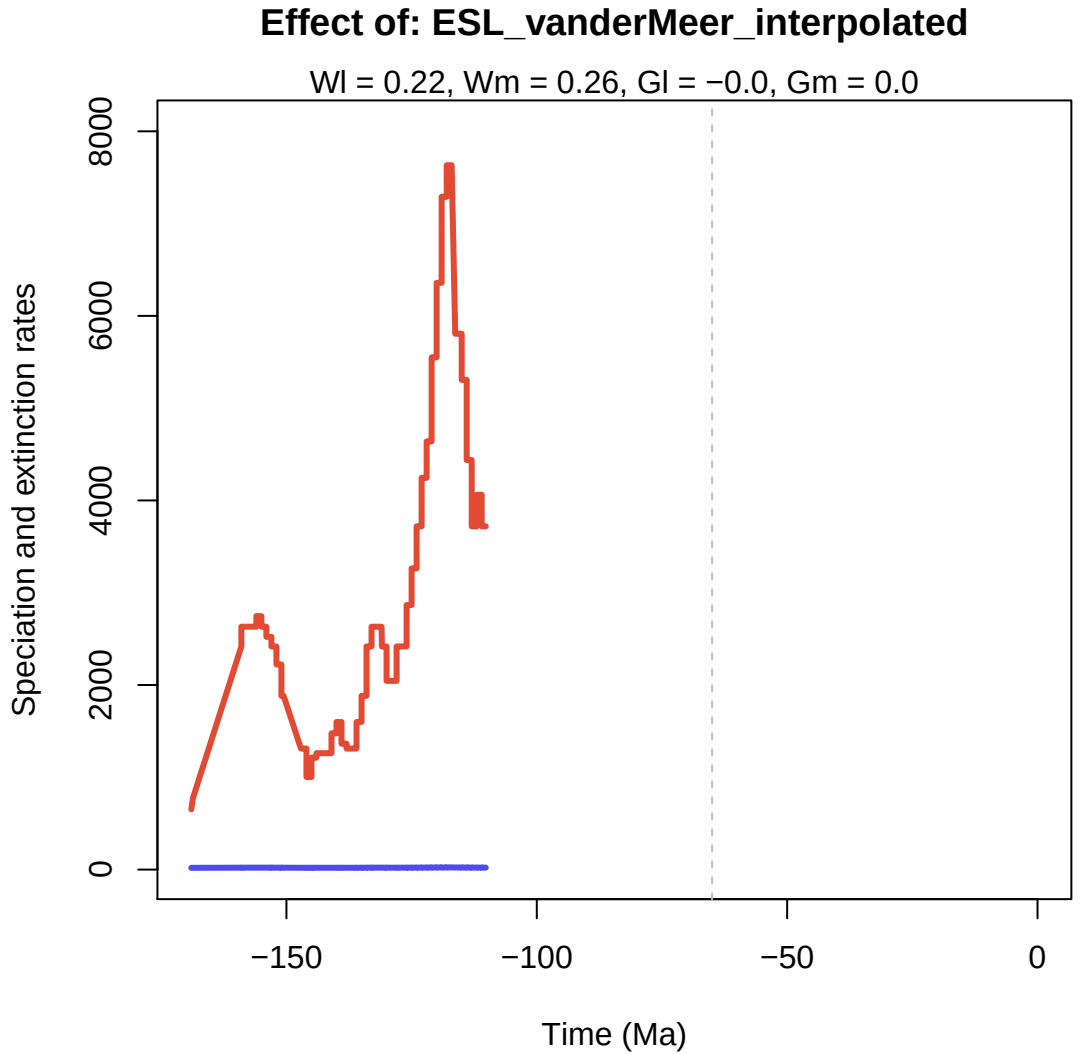

Trajectory of variable: ESL_Verard_interpolated
Rescaled value
0.2
0.4
0.6
0.8
−150
−100
−50
0
Time (Ma)

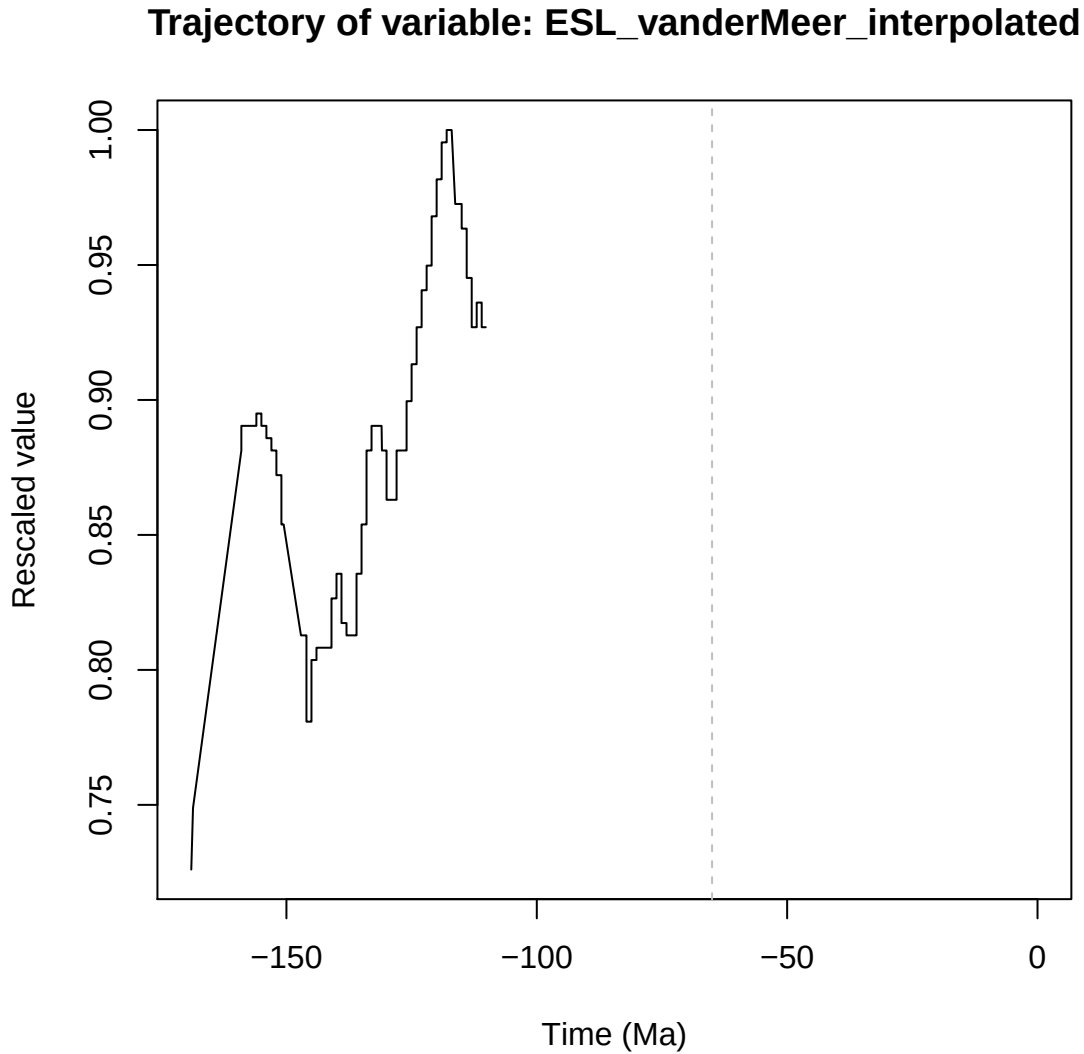

Effect of: ESL_Wright_interpolated
Wl = 0.29, Wm = 0.37, Gl = −0.0, Gm = 0.0
Speciation and extinction rates
0
10000
20000
30000
40000
−150
−100
−50
0
Time (Ma)

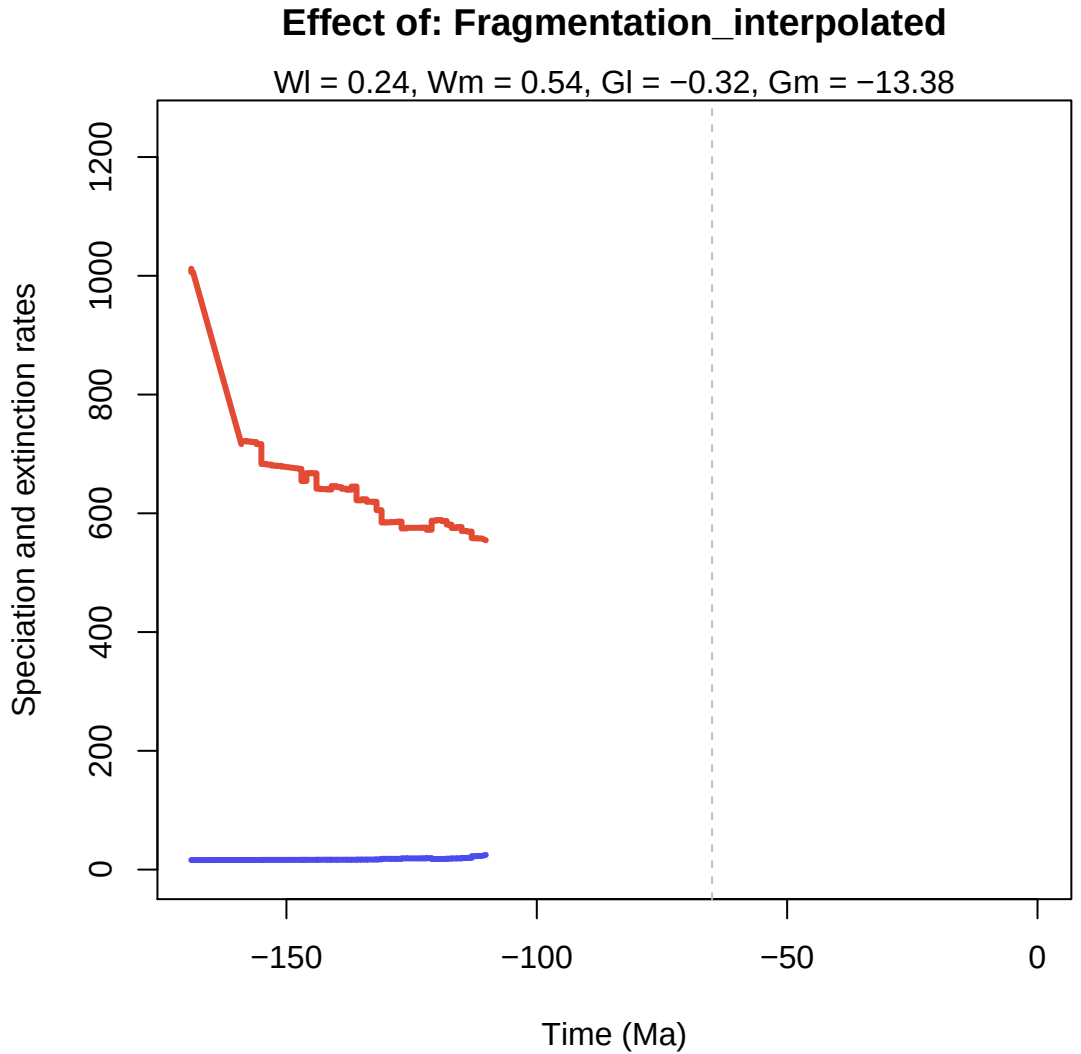

Trajectory of variable: ESL_Wright_interpolated
Rescaled value
0.2
0.4
0.6
0.8
1.0
−150
−100
−50
0
Time (Ma)

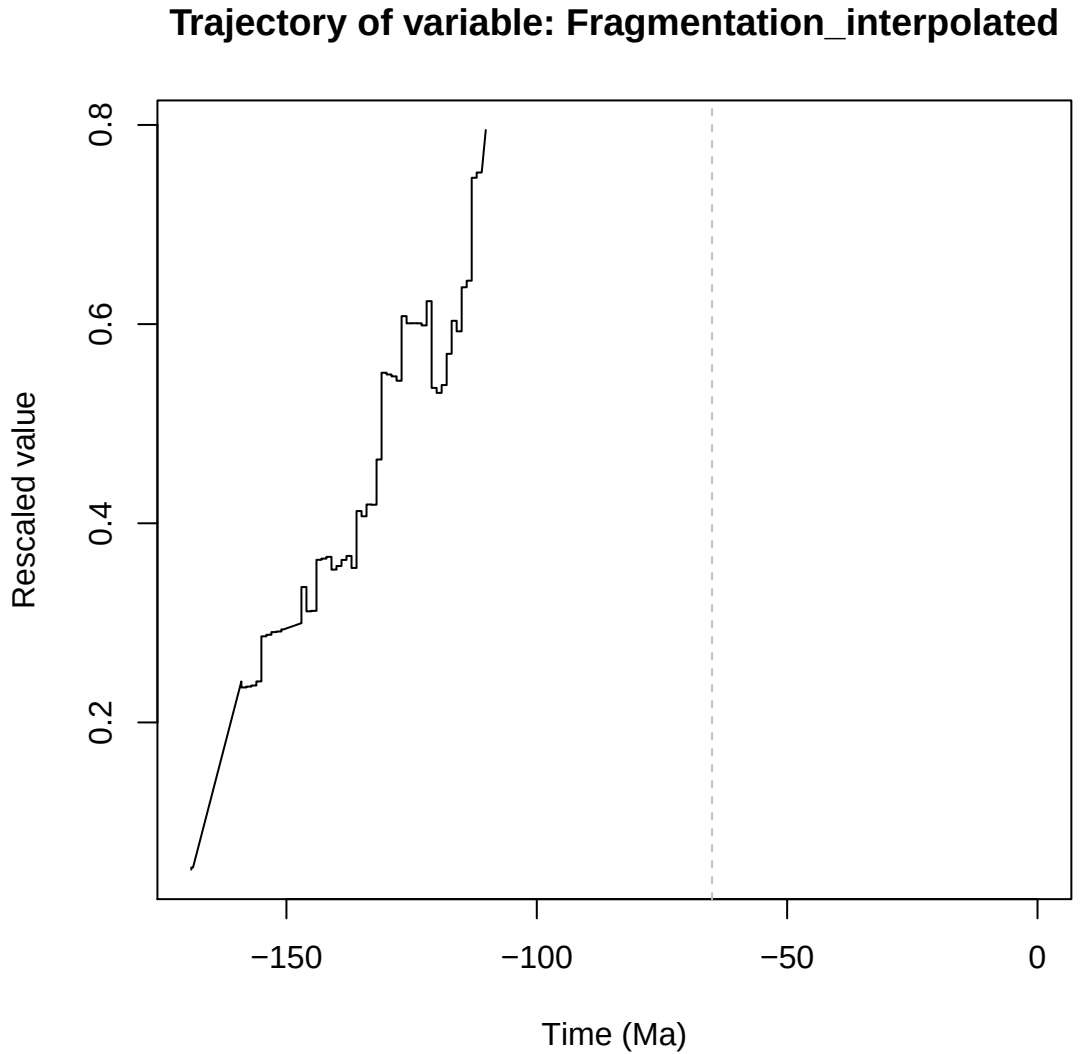

Effect of: ESL_Young_M21RD_interpolated
Wl = 0.27, Wm = 0.27, Gl = −0.0, Gm = 0.0
Speciation and extinction rates
0
5000
10000
15000
−150
−100
−50
0
Time (Ma)

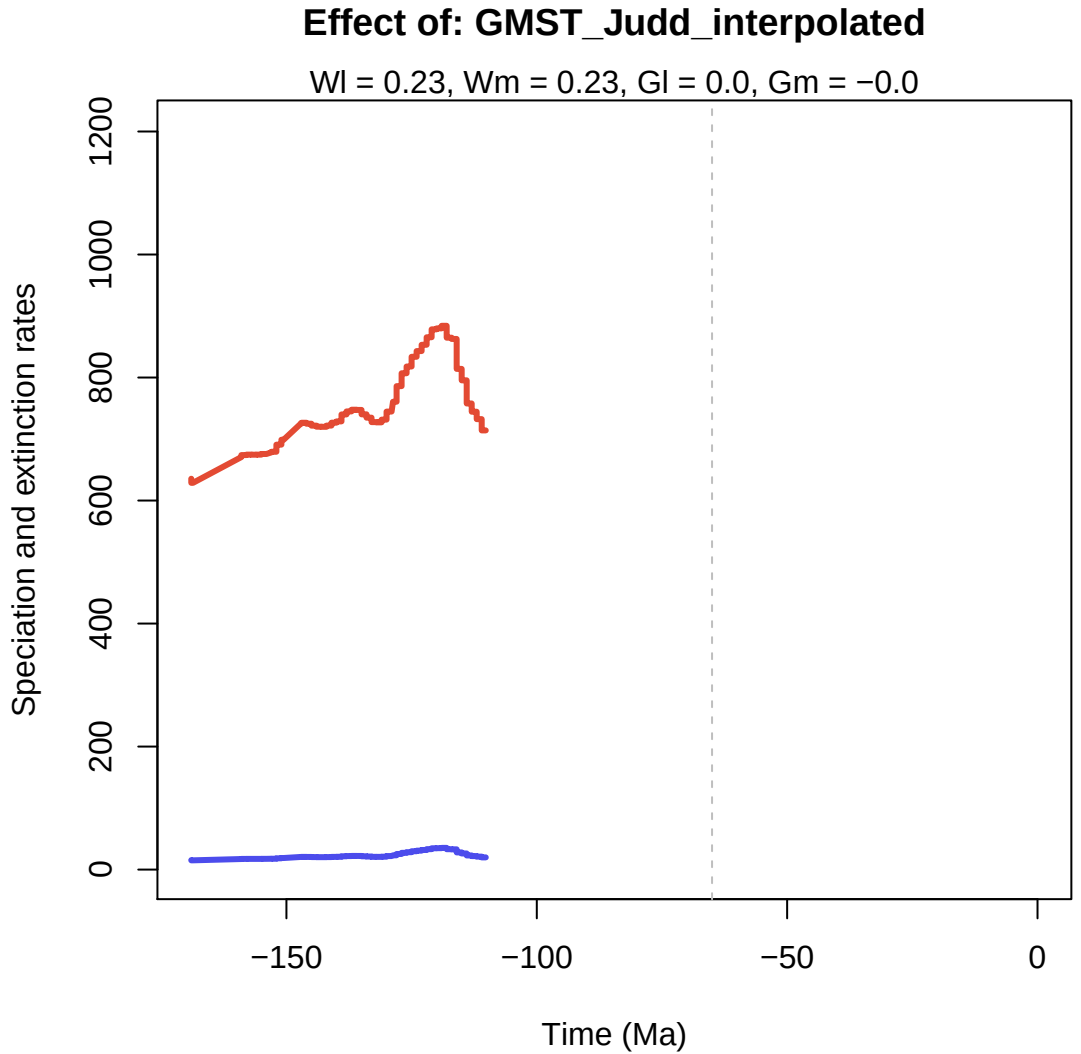

Trajectory of variable: ESL_Young_M21RD_interpolated
Rescaled value
0.00
0.05
0.10
0.15
0.20
0.25
0.30
−150
−100
−50
0
Time (Ma)

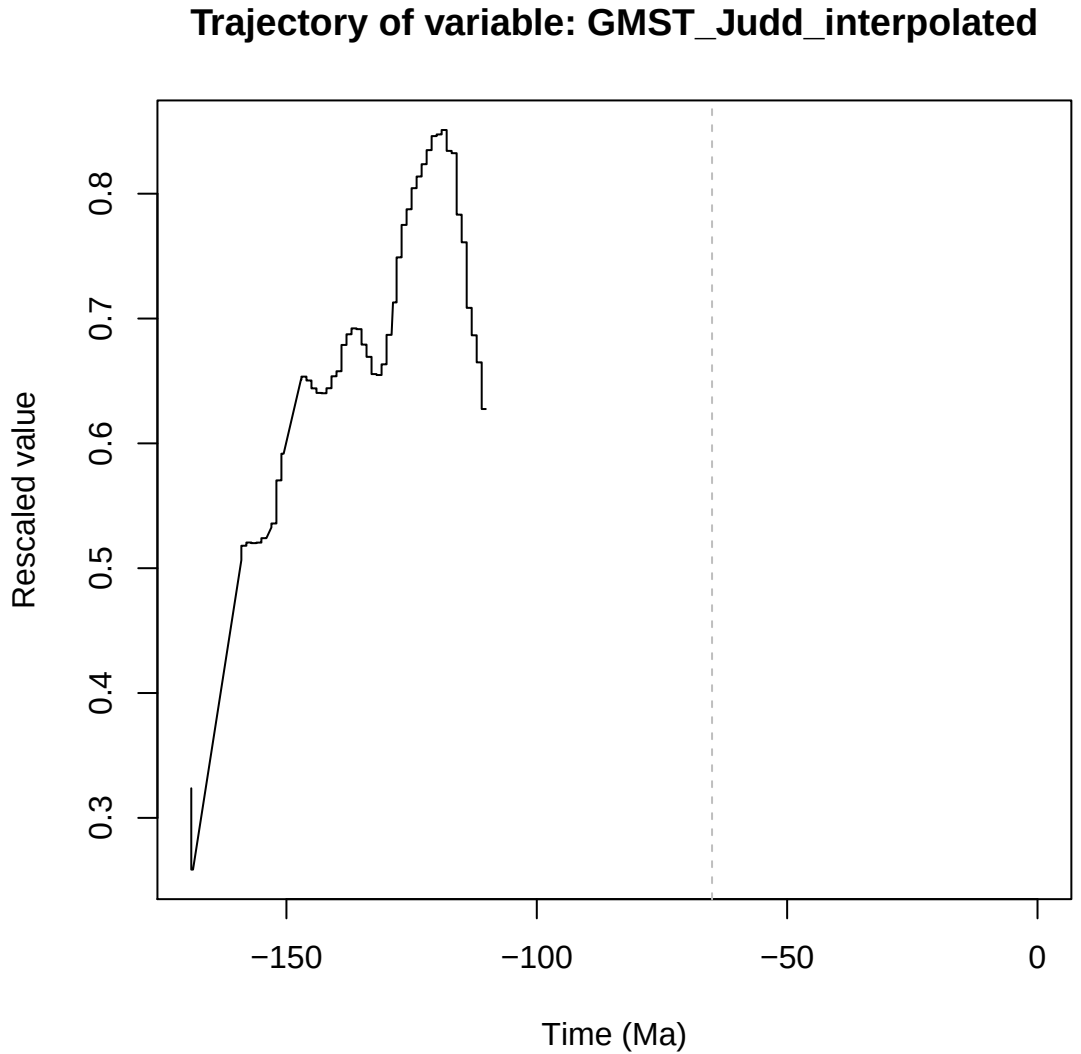

Effect of: ESL_vanderMeer_interpolated
Wl = 0.22, Wm = 0.26, Gl = −0.0, Gm = 0.0
Speciation and extinction rates
0
2000
4000
6000
8000
−150
−100
−50
0
Time (Ma)

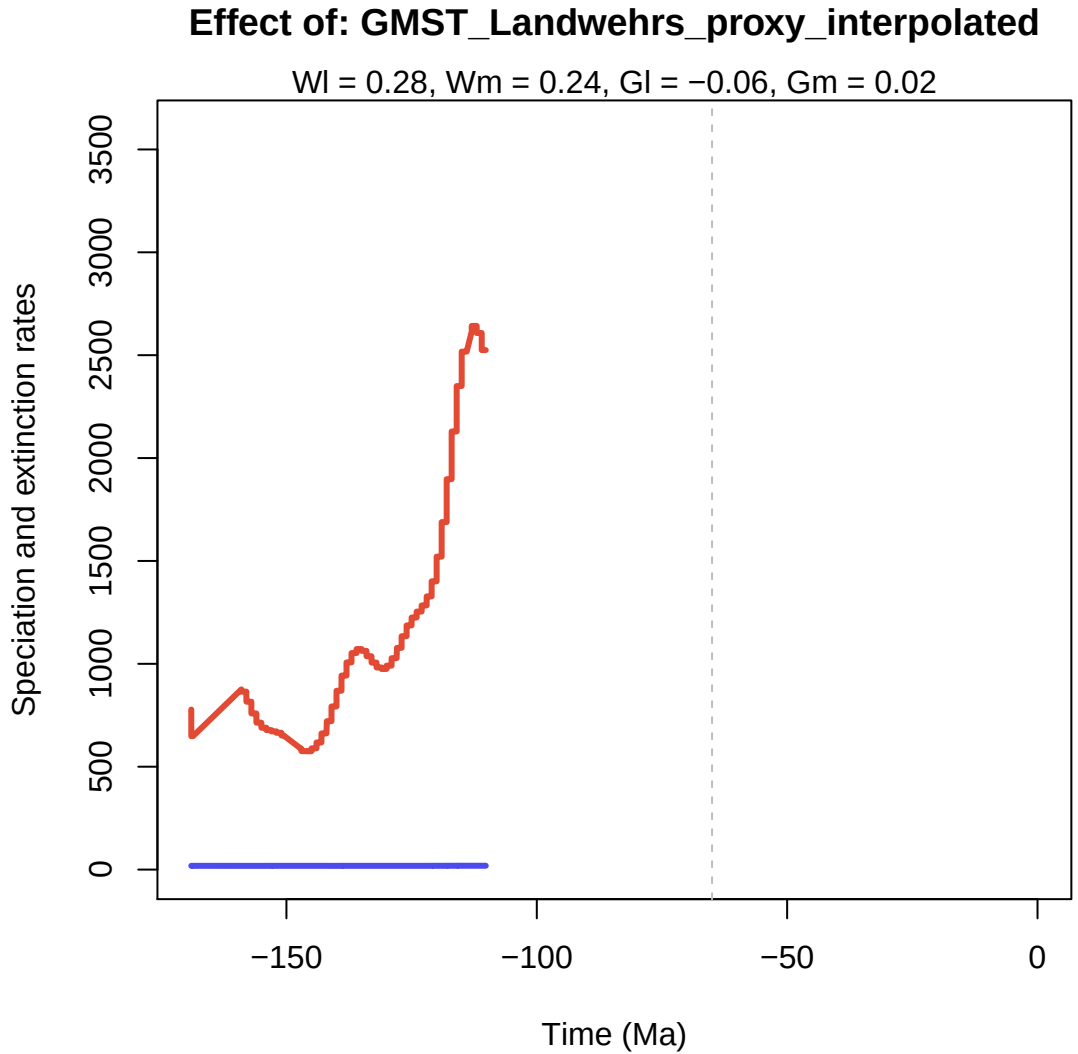

Trajectory of variable: ESL_vanderMeer_interpolated
Rescaled value
0.75
0.80
0.85
0.90
0.95
1.00
−150
−100
−50
0
Time (Ma)

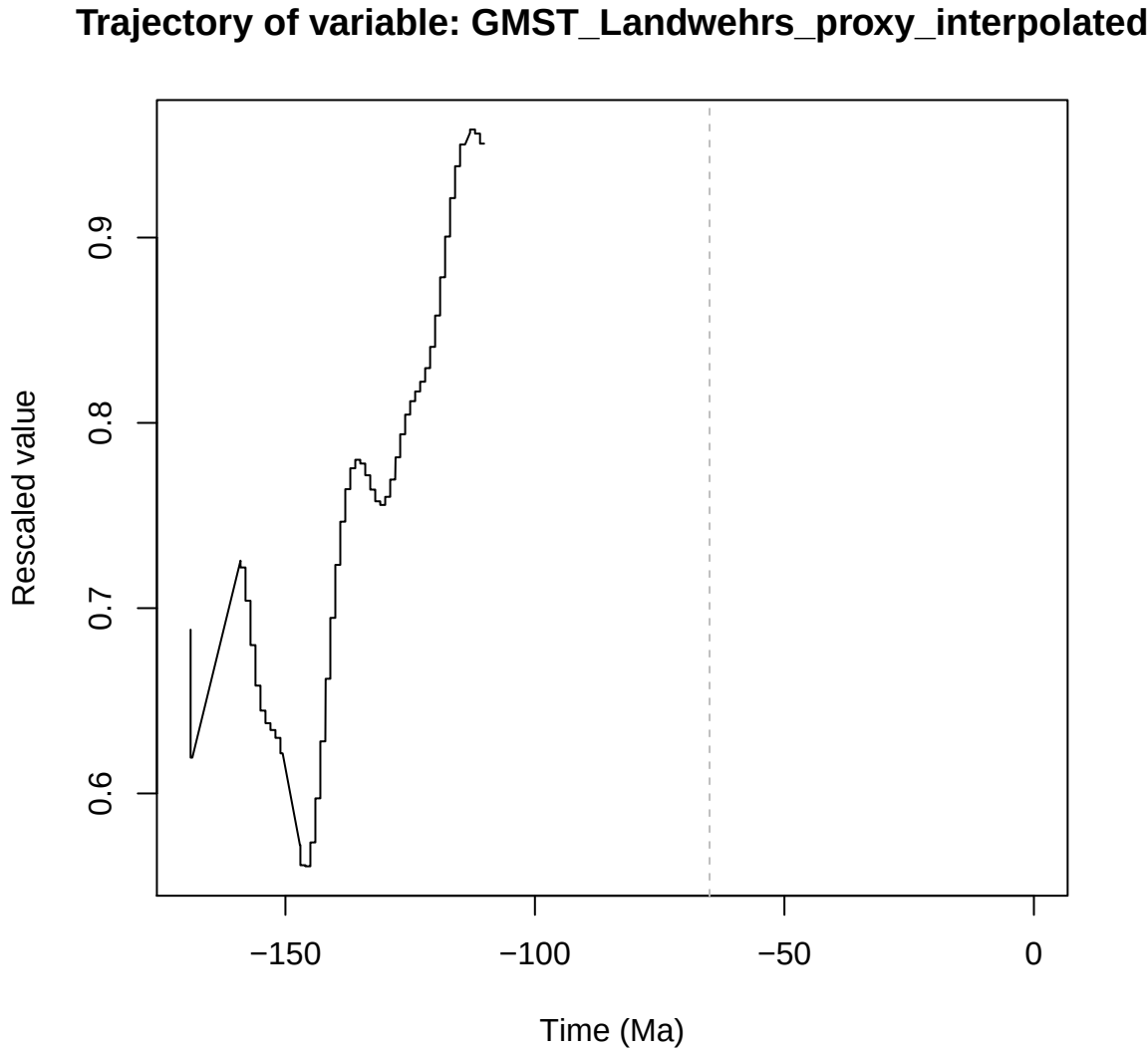

Effect of: Fragmentation_interpolated
Wl = 0.24, Wm = 0.54, Gl = −0.32, Gm = −13.38
Speciation and extinction rates
0
200
400
600
800
1000
1200
−150
−100
−50
0
Time (Ma)

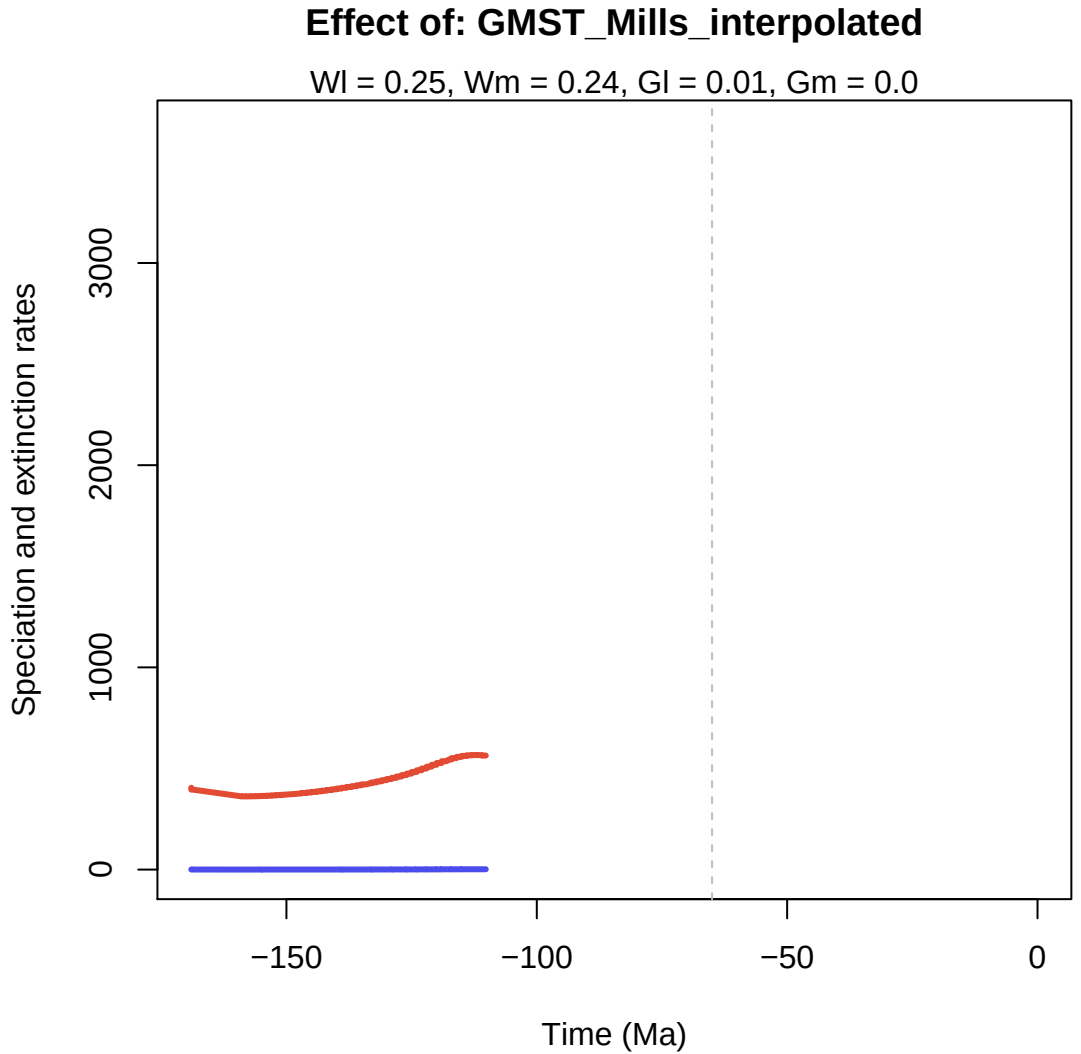

Trajectory of variable: Fragmentation_interpolated
Rescaled value
0.2
0.4
0.6
0.8
−150
−100
−50
0
Time (Ma)

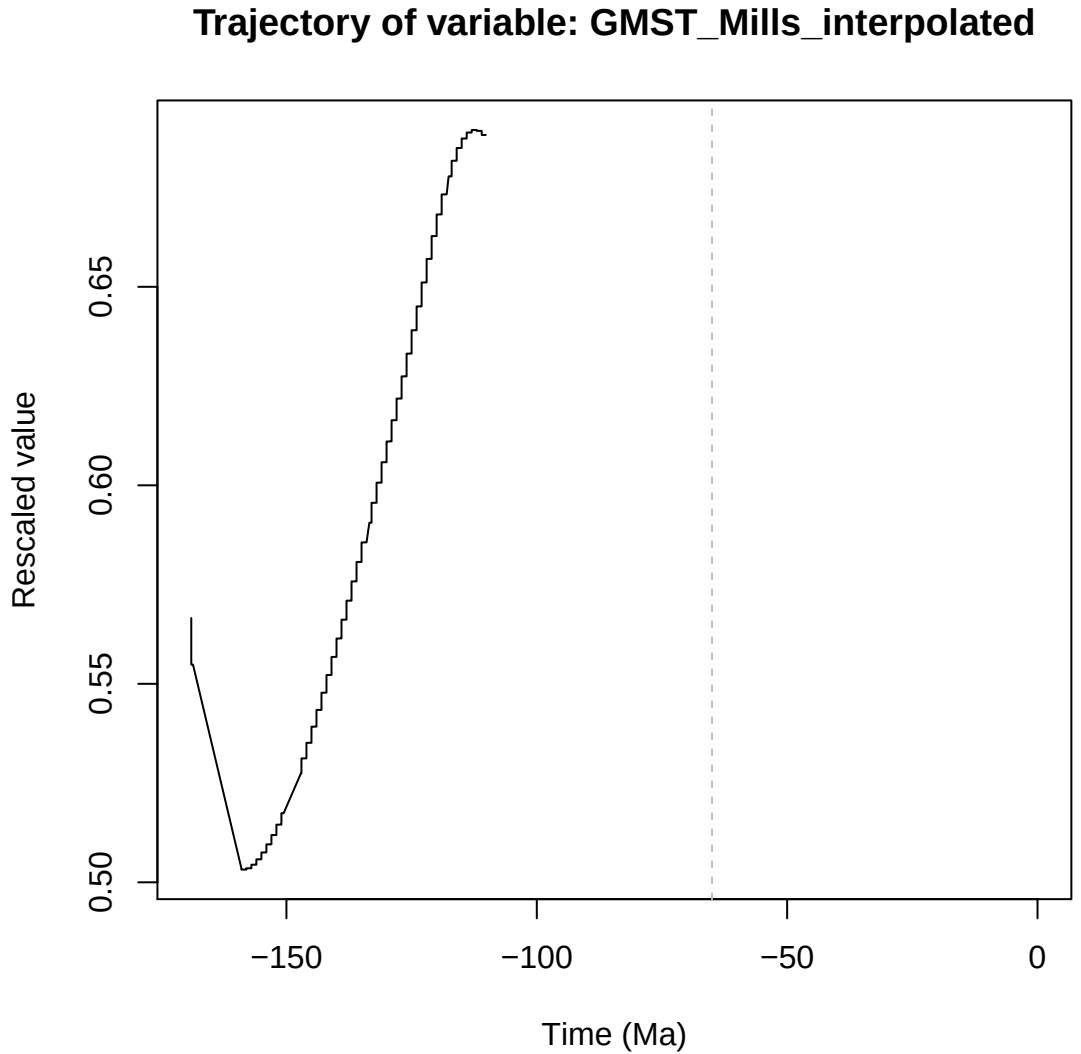

Effect of: GMST_Judd_interpolated
Wl = 0.23, Wm = 0.23, Gl = 0.0, Gm = −0.0
Speciation and extinction rates
0
200
400
600
800
1000
1200
−150
−100
−50
0
Time (Ma)

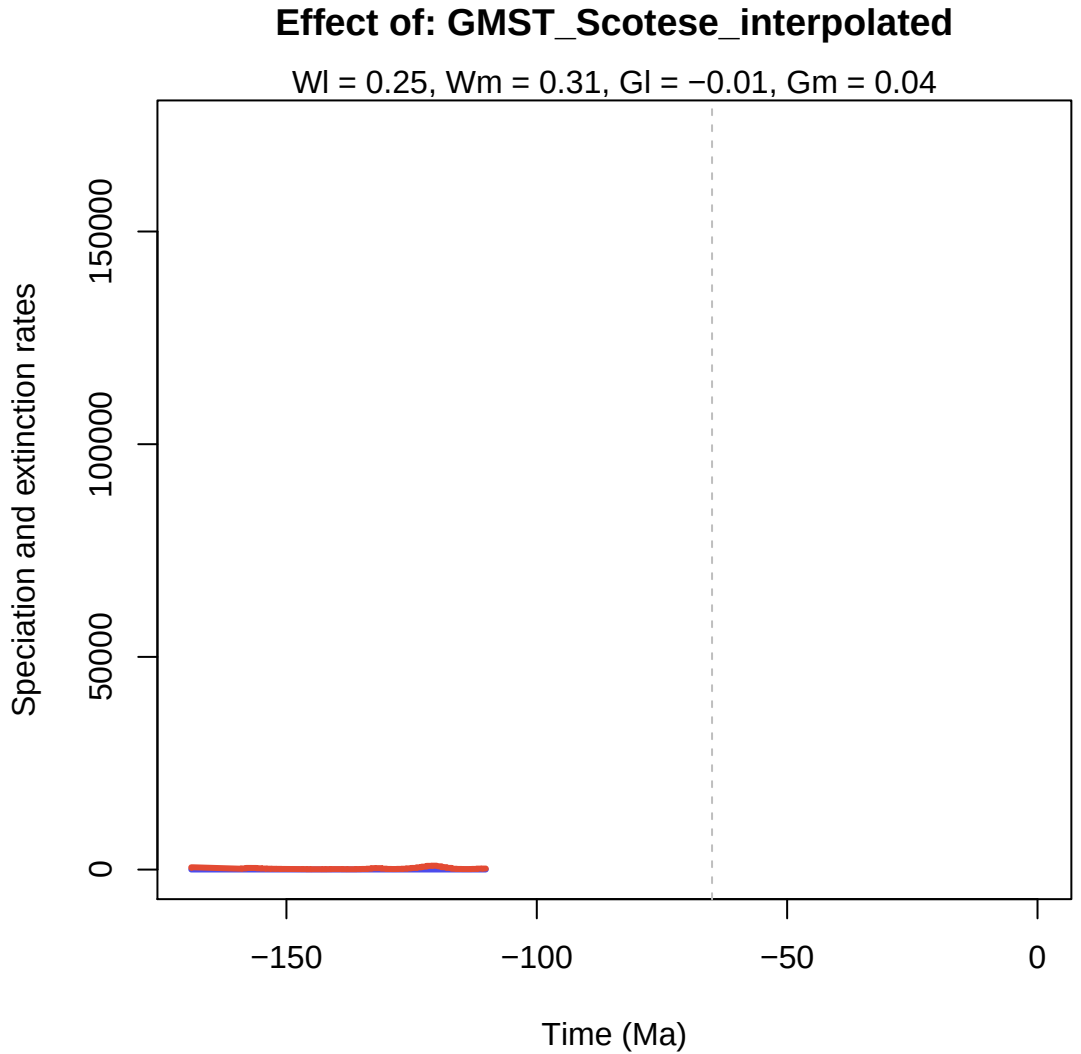

Trajectory of variable: GMST_Judd_interpolated
Rescaled value
0.3
0.4
0.5
0.6
0.7
0.8
−150
−100
−50
0
Time (Ma)

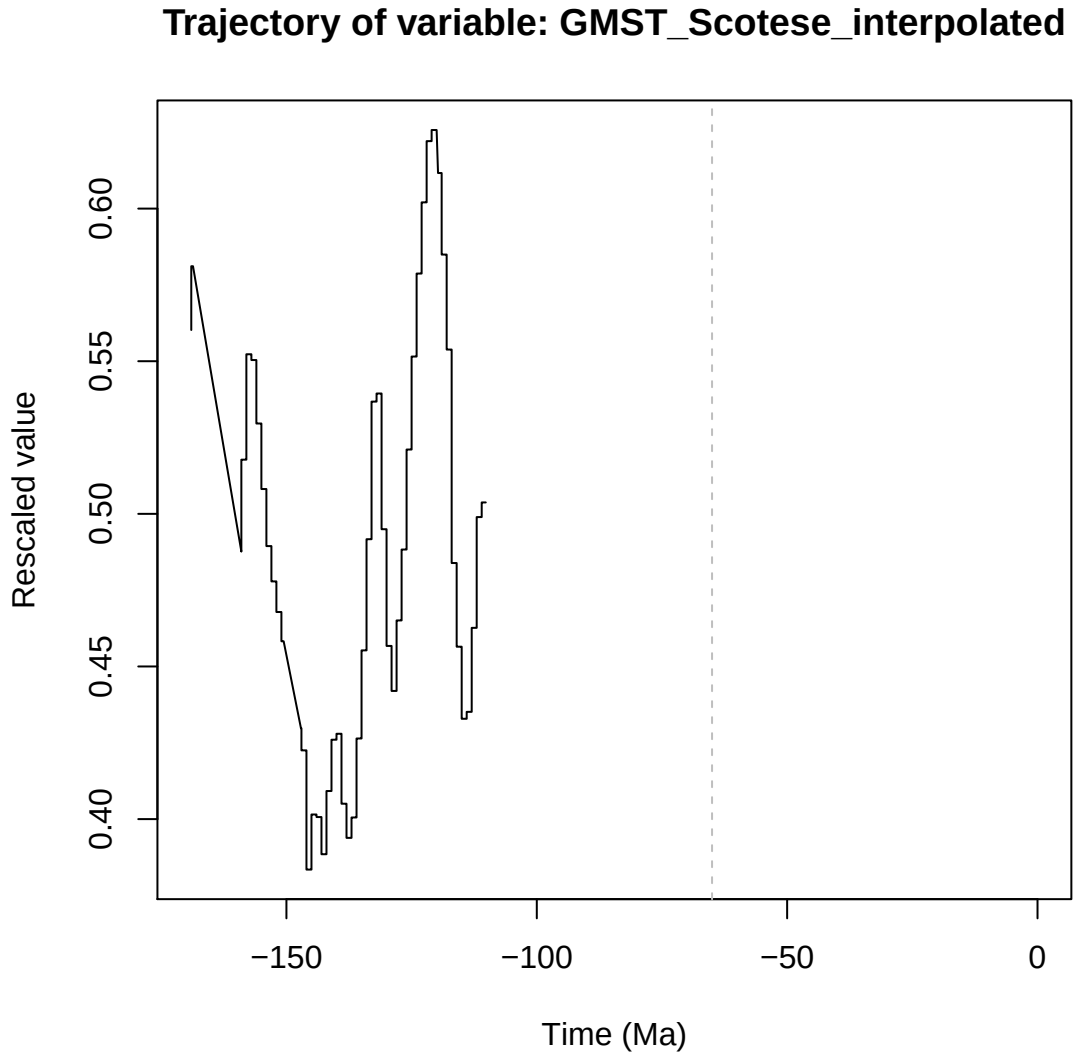

Effect of: GMST_Landwehrs_proxy_interpolated
Wl = 0.28, Wm = 0.24, Gl = −0.06, Gm = 0.02
Speciation and extinction rates
0
500
1000
1500
2000
2500
3000
3500
−150
−100
−50
0
Time (Ma)

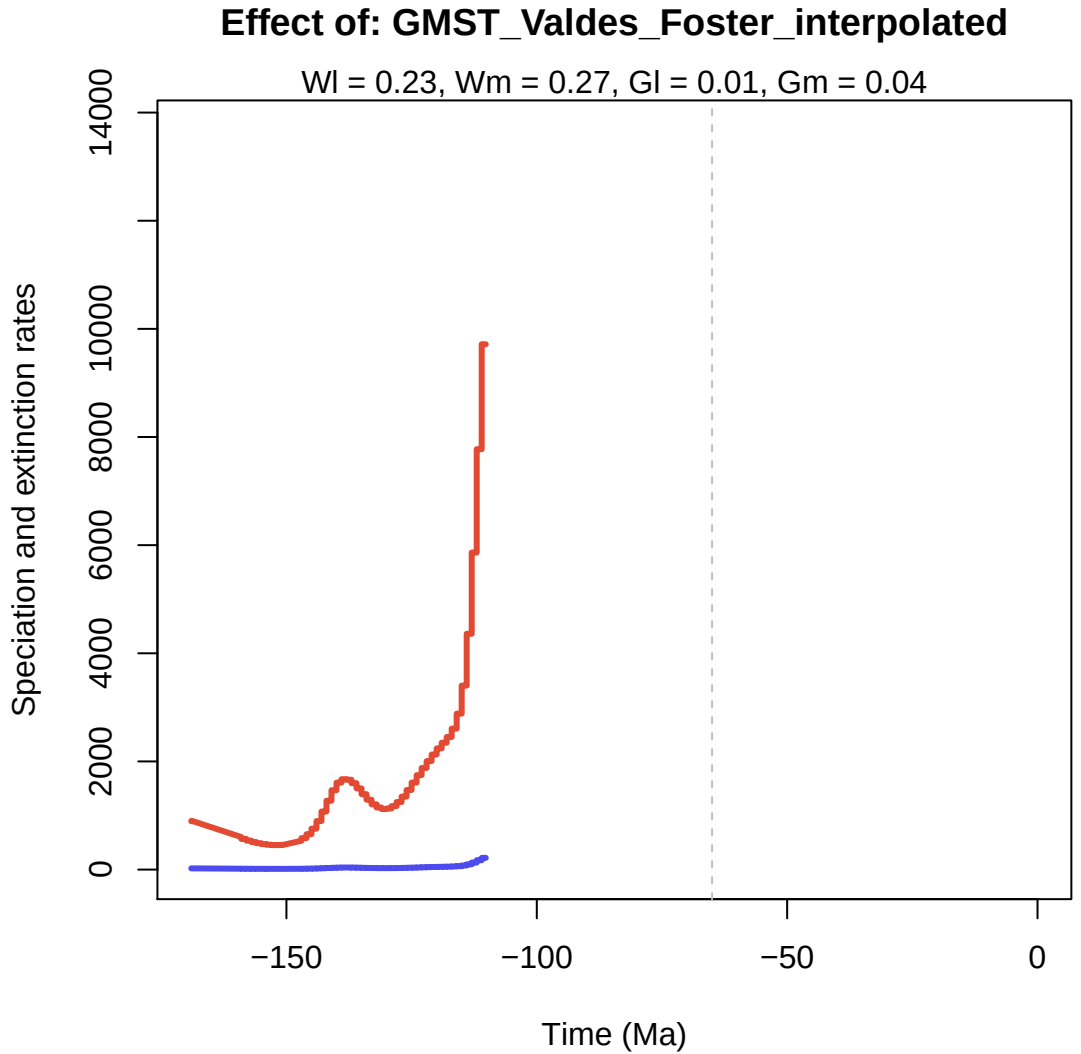

Trajectory of variable: GMST_Landwehrs_proxy_interpolated
Rescaled value
0.6
0.7
0.8
0.9
−150
−100
−50
0
Time (Ma)

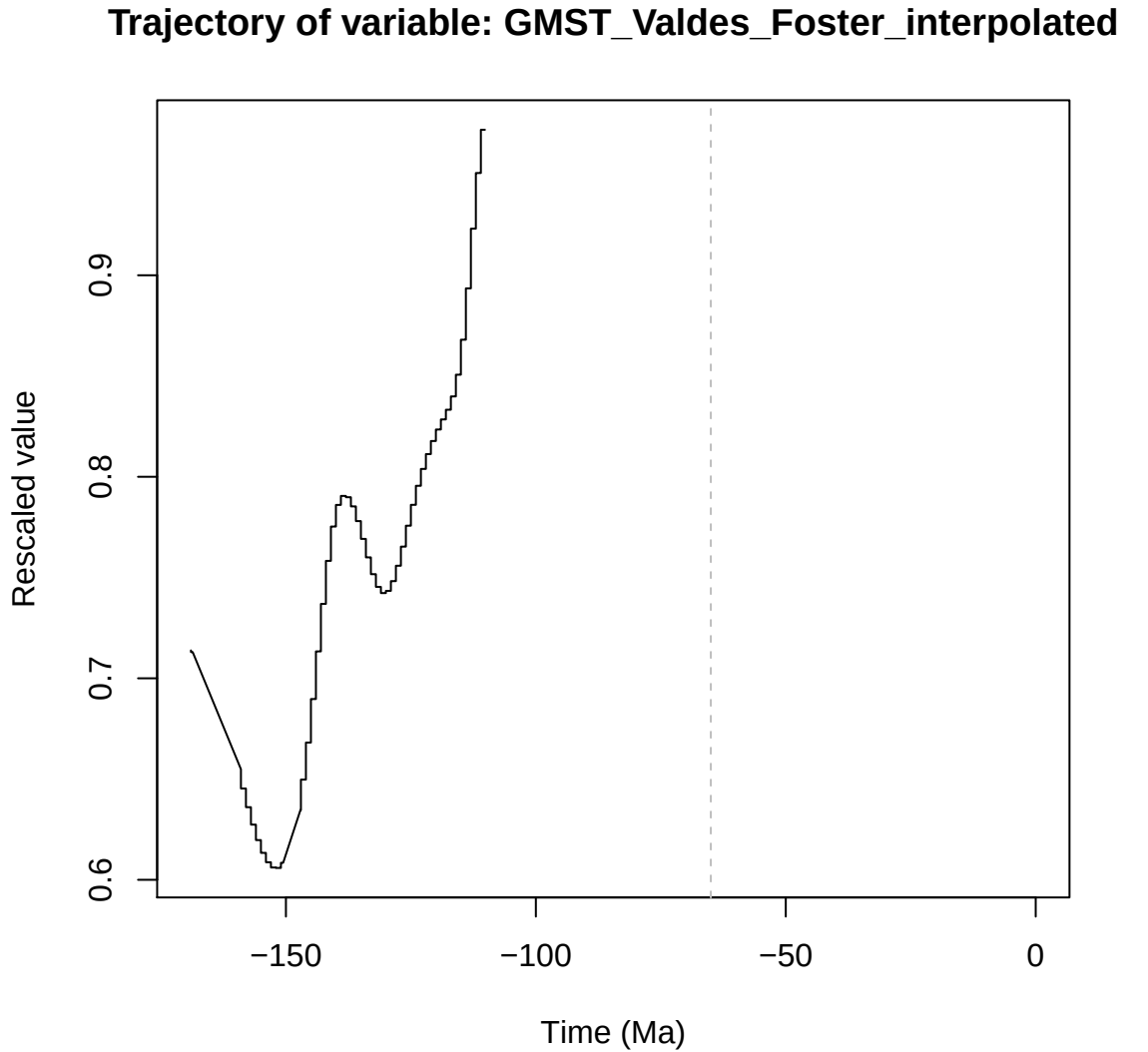

Effect of: GMST_Mills_interpolated
Wl = 0.25, Wm = 0.24, Gl = 0.01, Gm = 0.0
Speciation and extinction rates
0
1000
2000
3000
−150
−100
−50
0
Time (Ma)

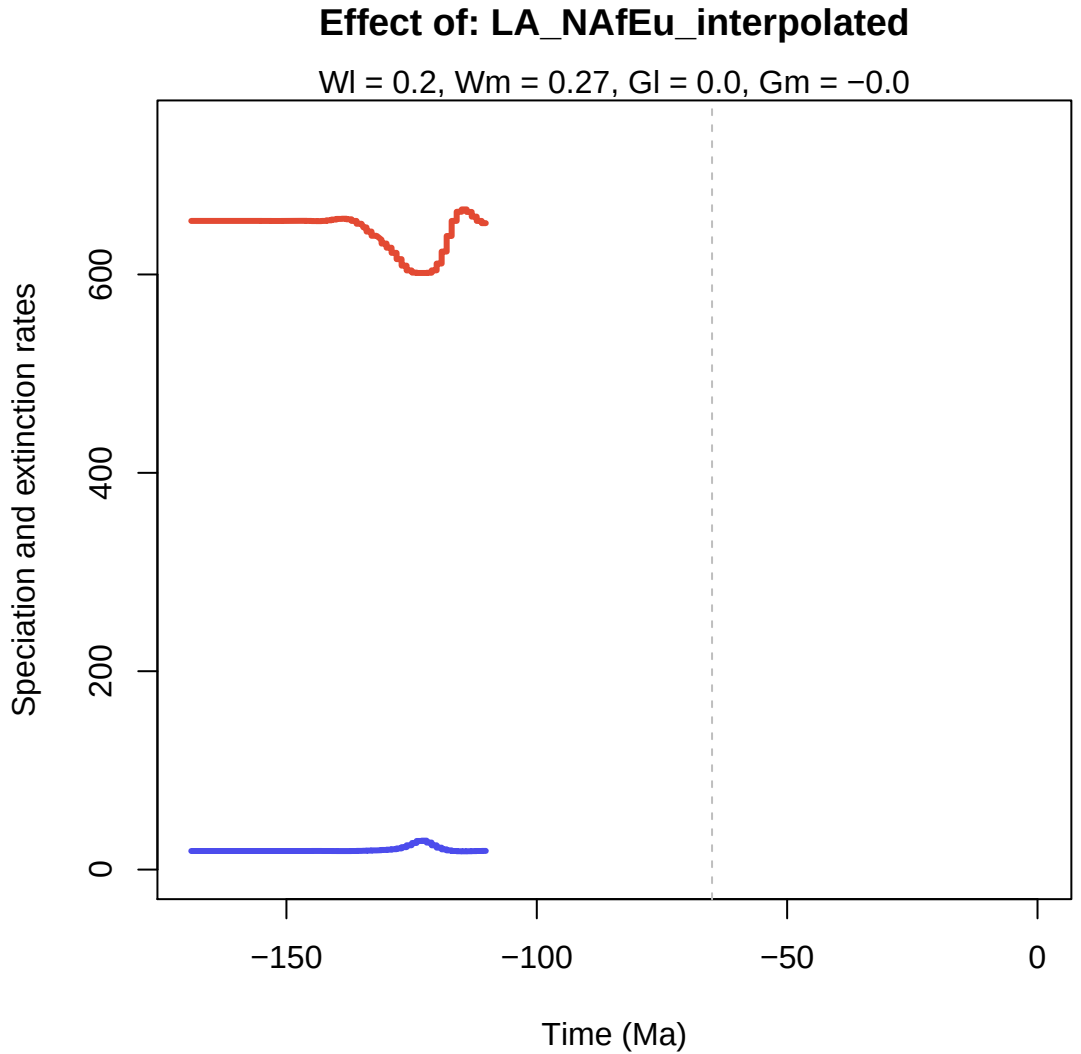

Trajectory of variable: GMST_Mills_interpolated
Rescaled value
0.50
0.55
0.60
0.65
−150
−100
−50
0
Time (Ma)

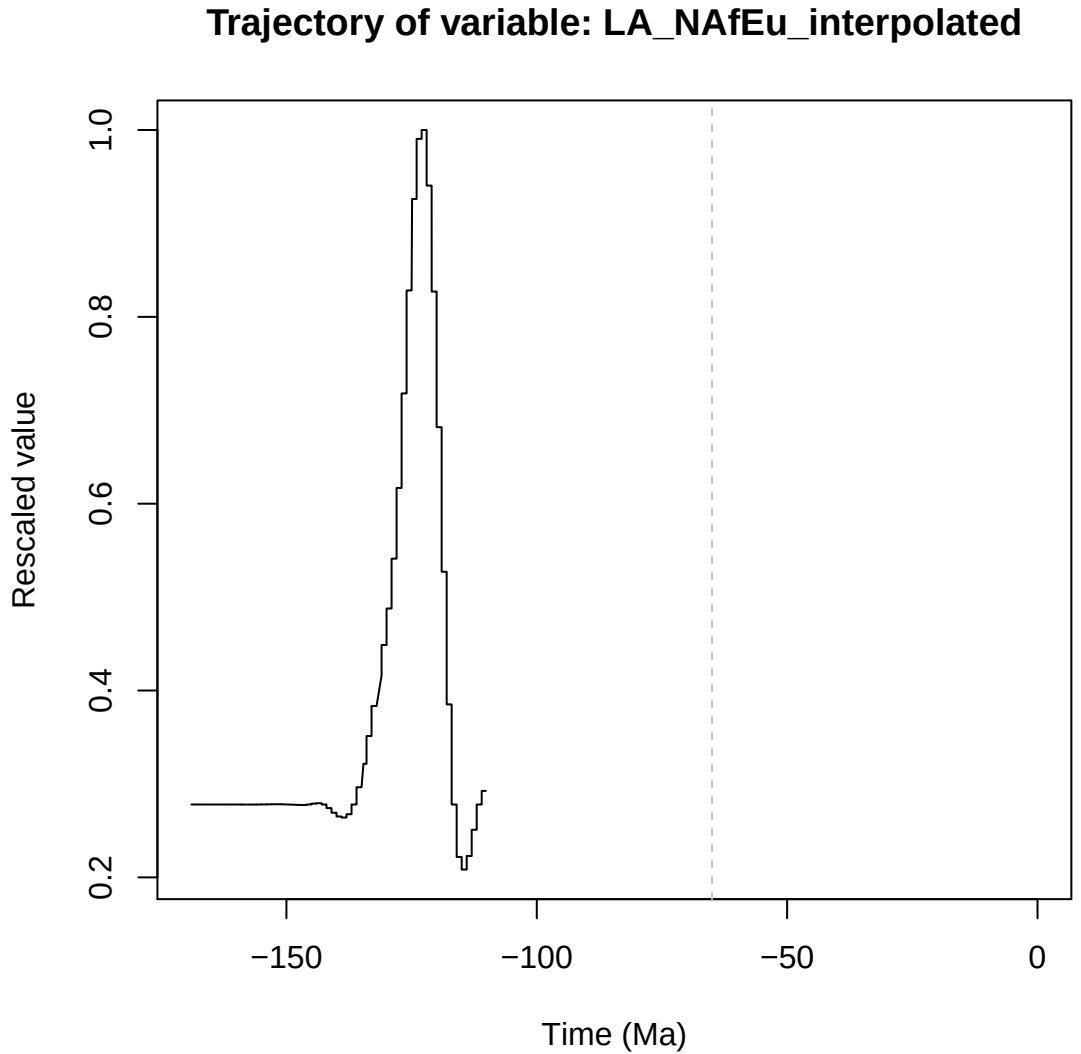

Effect of: GMST_Scotese_interpolated
Wl = 0.25, Wm = 0.31, Gl = −0.01, Gm = 0.04
Speciation and extinction rates
0
50000
100000
150000
−150
−100
−50
0
Time (Ma)

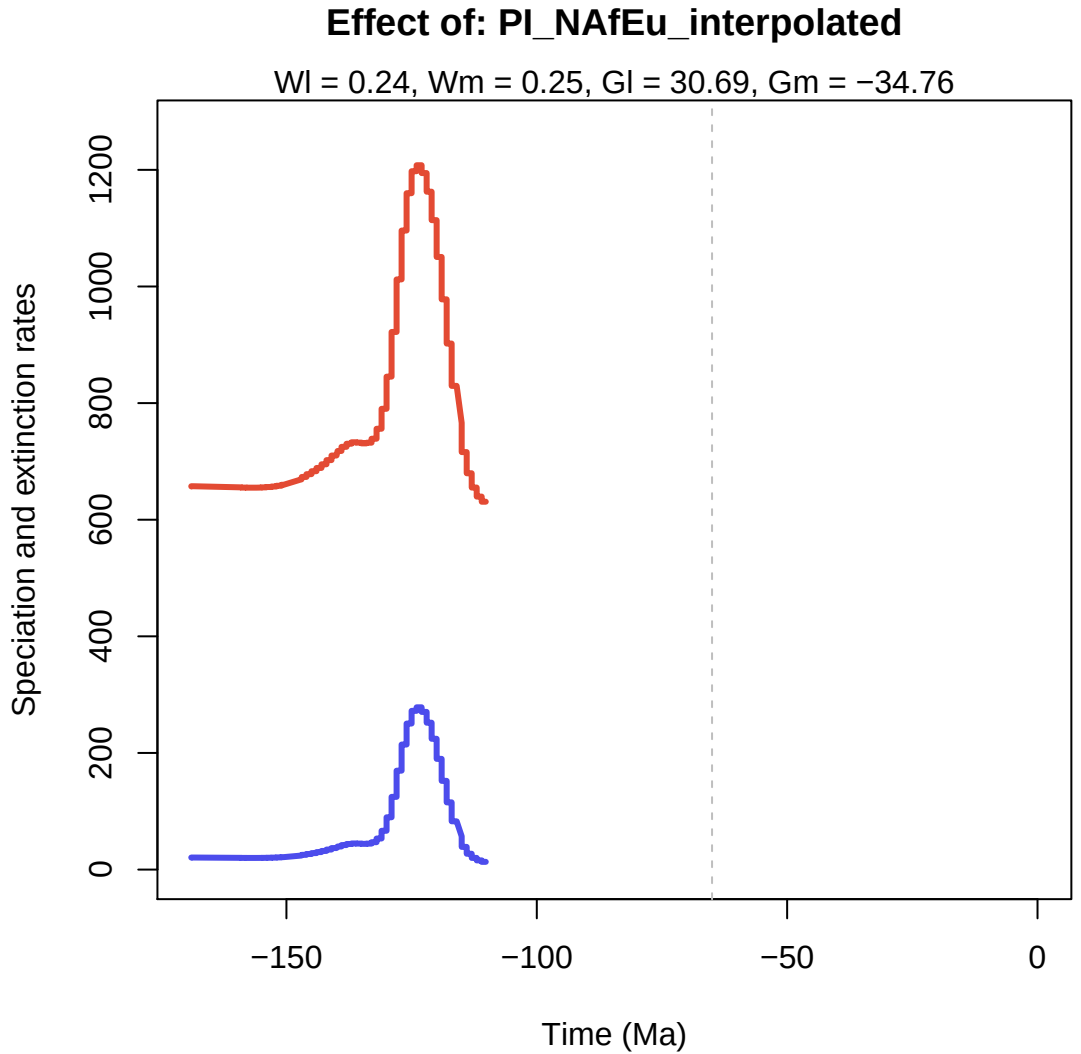

Trajectory of variable: GMST_Scotese_interpolated
Rescaled value
0.40
0.45
0.50
0.55
0.60
−150
−100
−50
0
Time (Ma)

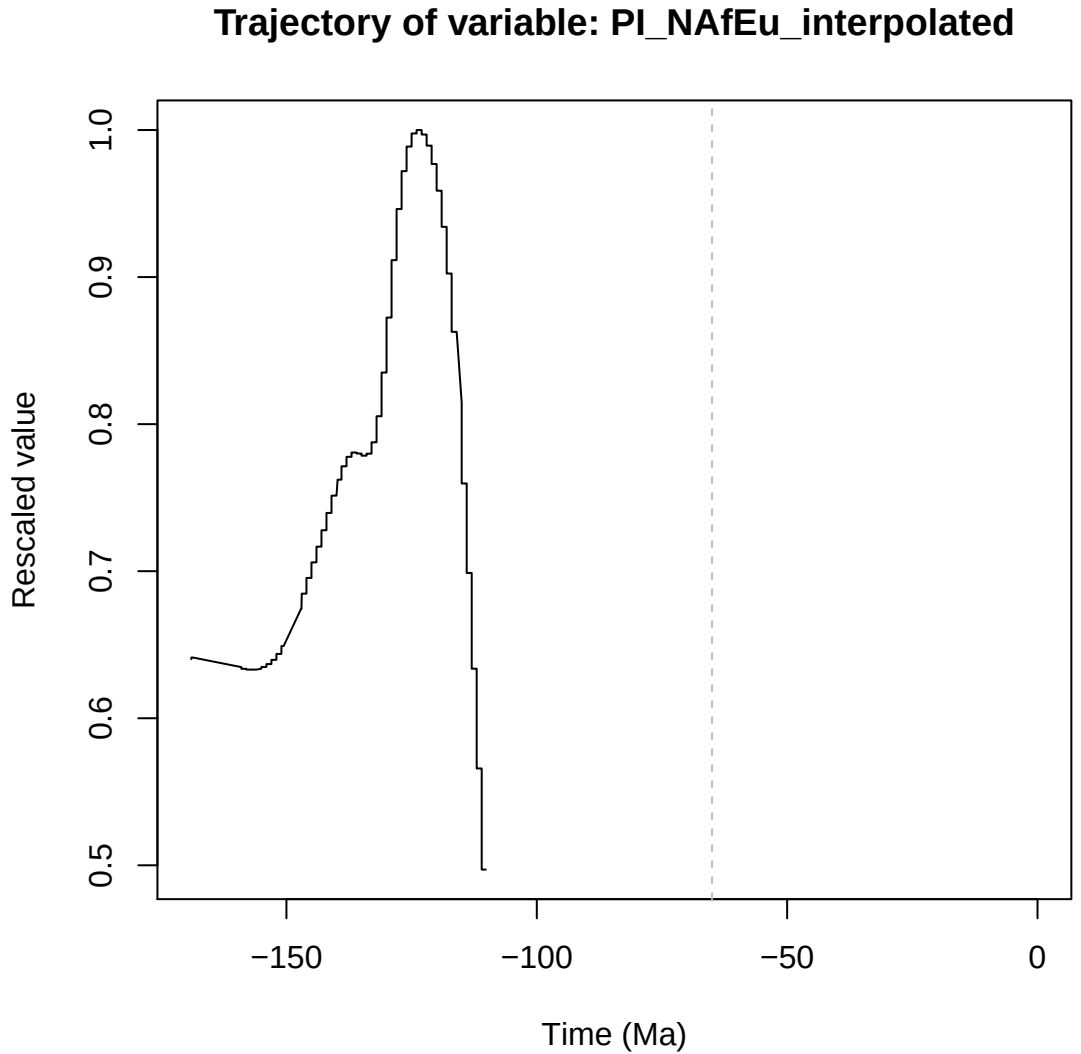

Effect of: GMST_Valdes_Foster_interpolated
Wl = 0.23, Wm = 0.27, Gl = 0.01, Gm = 0.04
Speciation and extinction rates
0
2000
4000
6000
8000
10000
14000
−150
−100
−50
0
Time (Ma)

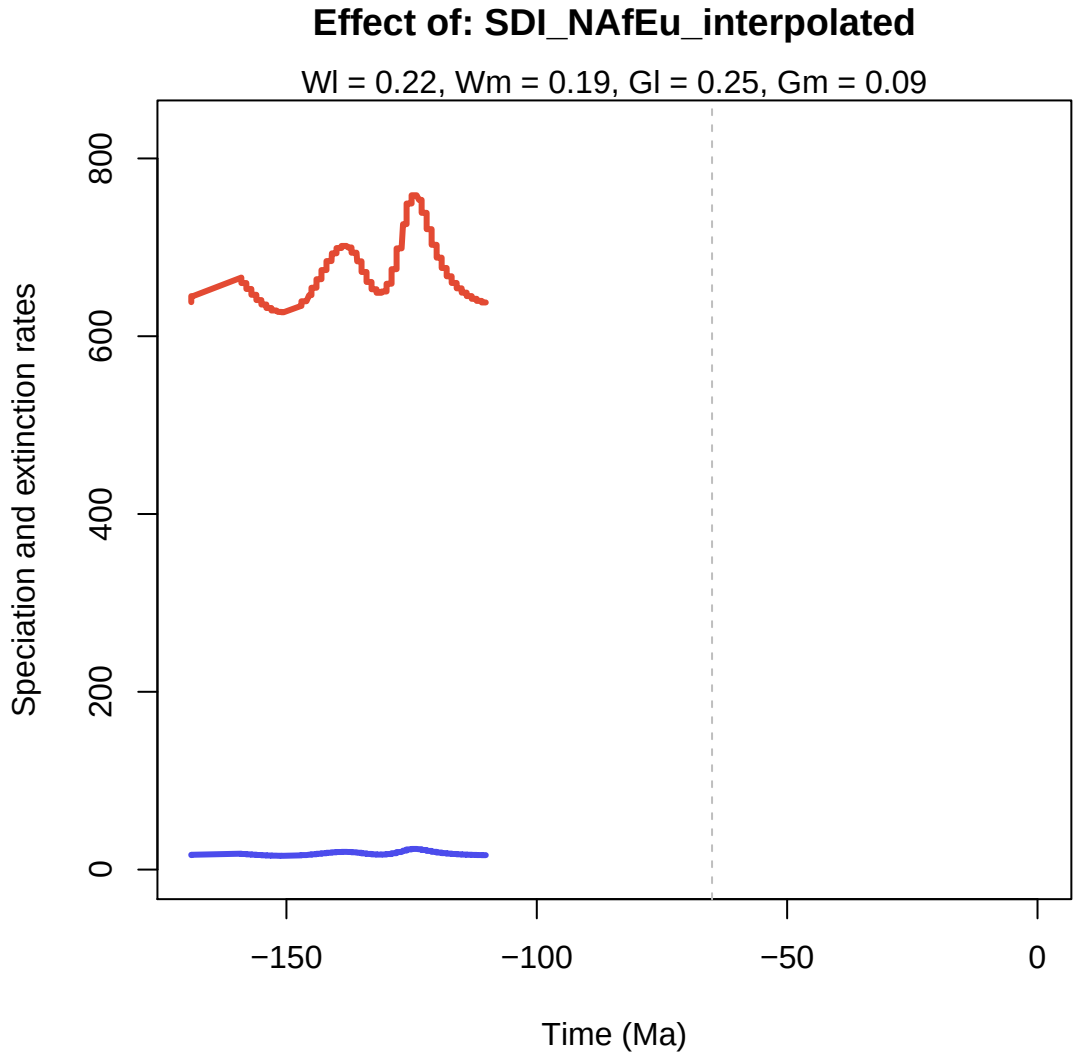

Trajectory of variable: GMST_Valdes_Foster_interpolated
Rescaled value
0.6
0.7
0.8
0.9
−150
−100
−50
0
Time (Ma)

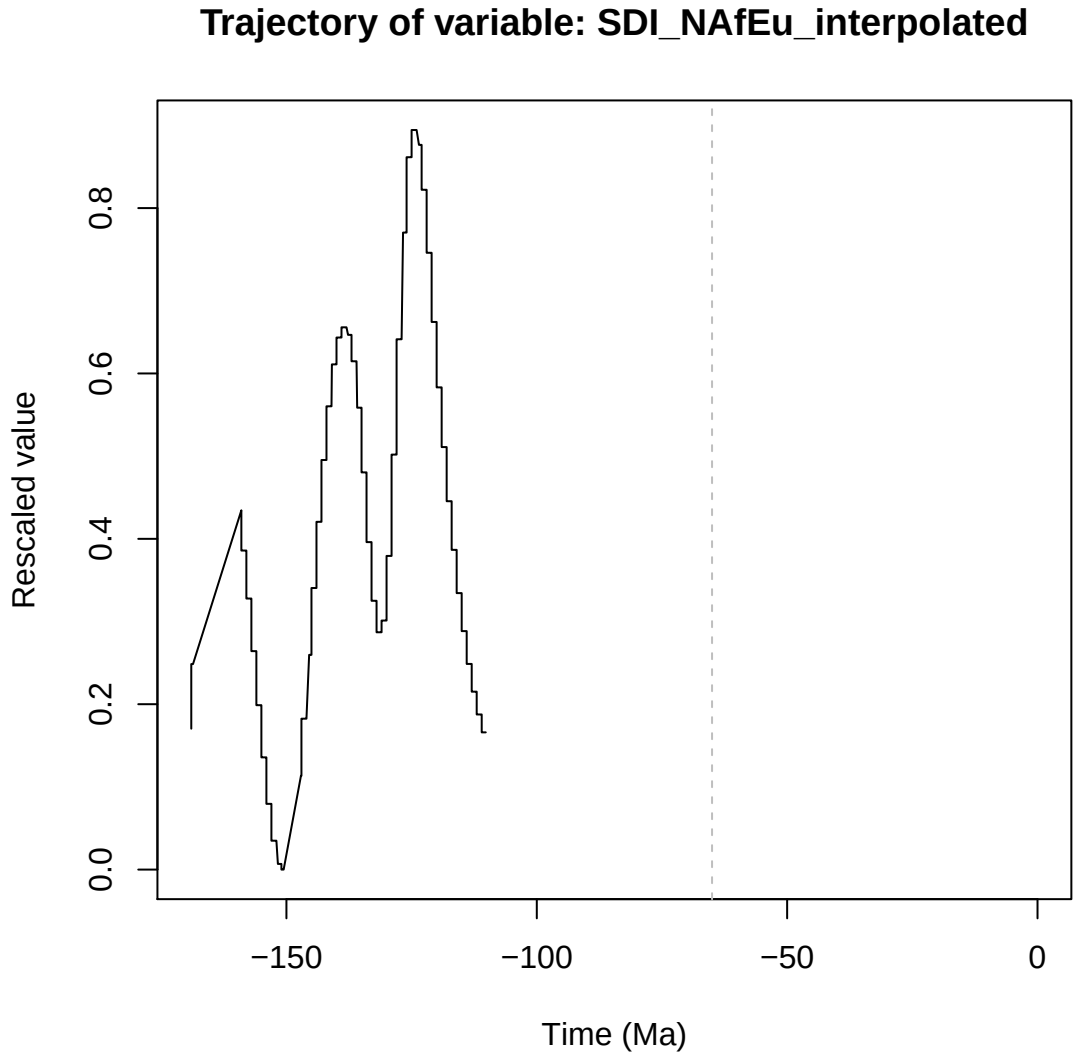

Effect of: LA_NAfEu_interpolated
Wl = 0.2, Wm = 0.27, Gl = 0.0, Gm = −0.0
Speciation and extinction rates
0
200
400
600
−150
−100
−50
0
Time (Ma)


Trajectory of variable: LA_NAfEu_interpolated
Rescaled value
0.2
0.4
0.6
0.8
1.0
−150
−100
−50
0
Time (Ma)


Effect of: PI_NAfEu_interpolated
Wl = 0.24, Wm = 0.25, Gl = 30.69, Gm = −34.76
Speciation and extinction rates
0
200
400
600
800
1000
1200
−150
−100
−50
0
Time (Ma)


Trajectory of variable: PI_NAfEu_interpolated
Rescaled value
0.5
0.6
0.7
0.8
0.9
1.0
−150
−100
−50
0
Time (Ma)


Effect of: SDI_NAfEu_interpolated
Wl = 0.22, Wm = 0.19, Gl = 0.25, Gm = 0.09
Speciation and extinction rates
0
200
400
600
800
−150
−100
−50
0
Time (Ma)


Trajectory of variable: SDI_NAfEu_interpolated
Rescaled value
0.0
0.2
0.4
0.6
0.8
−150
−100
−50
0
Time (Ma)