Supplementary information
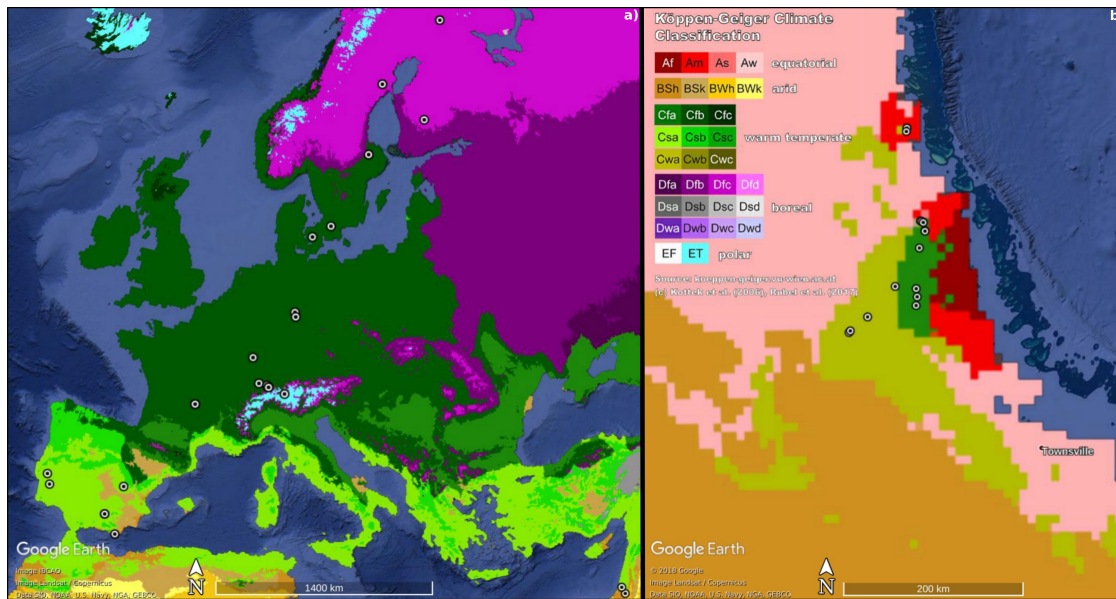
Figure S1: Location and climate of the 44 sites sampled; a) points indicating the location of the 27 sites in western Eurasian (EUR) within Subartctic (Dfc; n= 6), Temperate oceanic (Cfb; n= 13), Hot-summer Mediterraean (Csa; n = 7) and Hot semi-arid (Bsh; n = 1) climate zones, and b) points indicating the location of the 17 sites in north Queensland, Australia (AUS) within Tropical monsoon (Am; n = 3), Humid subtropical (Cfa; n = 9) and Monsoon-influenced humid subtropical (Cwa; n= 5) climate zones.
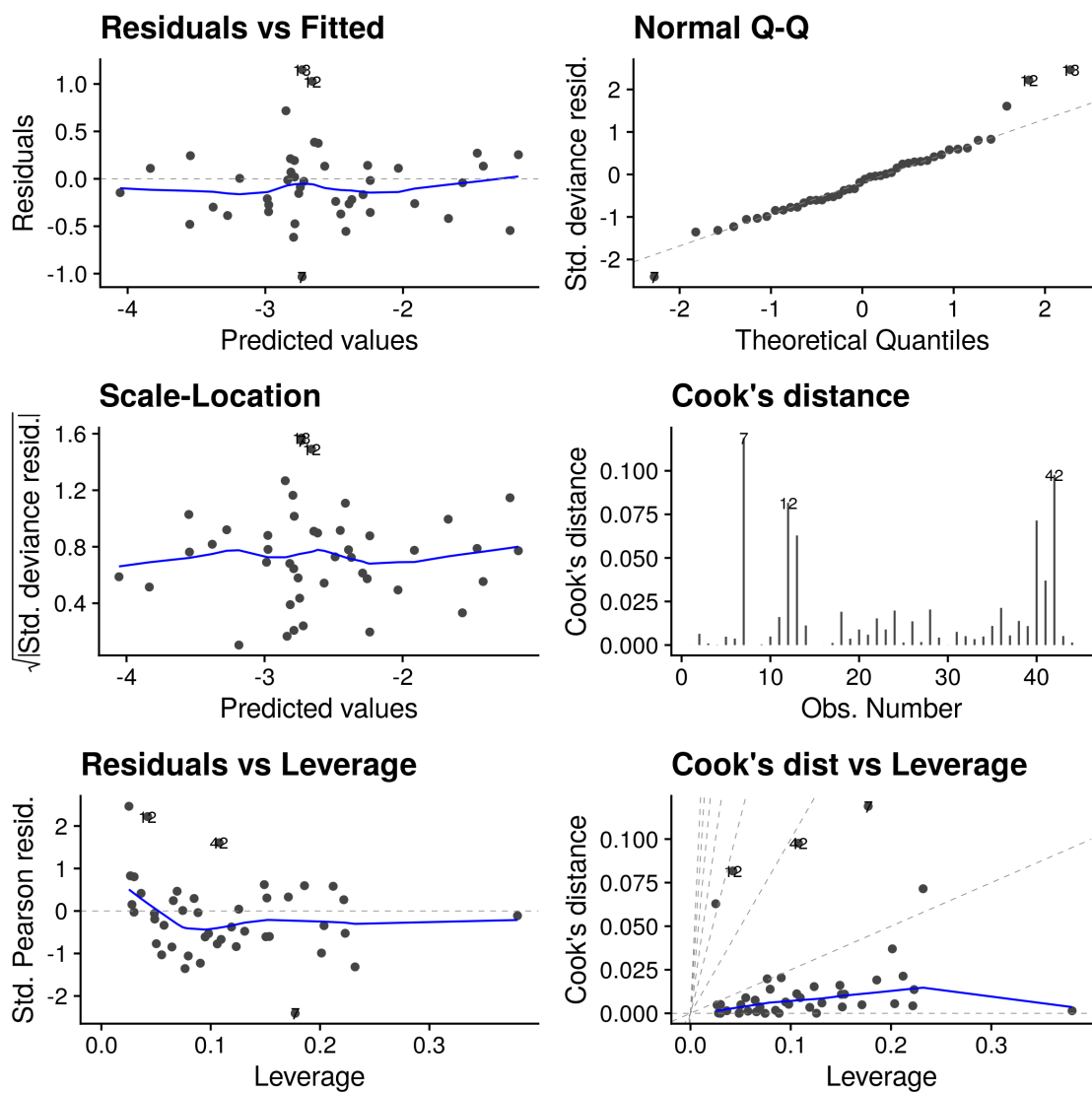
Figure S2: Diagnostic plots for the minimal adequate model describing variations in the exchange rate across the 44 sites sampled (Eq. 6).