Supplement of

Projected impacts of climate change and ocean acidification on the global biogeography of planktonic foraminifera

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8. Supplementary material

Figure S1

The temperature dependence of foraminifer growth rates (day^{-1} , Lombard *et al.*, 2009) for the eight species included in the FORAMCLIM model.

Figure S2

(a) Locations of top-core sediment core data (MARGO database) used for model evaluation. (b) The calcite saturation state of the surface ocean from GLODAP (Key *et al.*, 2004). The red crosses are the locations of multinet plankton tows used to 'sample' the calcite saturation state of present day foraminifer habitat (Field, 2004; Kuroyanagi and Kawahata, 2004; Schiebel *et al.*, 2001, 2004; Watkins *et al.*, 1996, 1998).

(a)

(b)

Figure S3

Present day (simulated and observed) surface (a) total (all species) foraminifer abundance (Ind m^{-3}), and (b) dominant foraminifer species (i.e. the most abundant) based on the eight species included in the FORAMCLIM model. The circles represent the surface plankton tow data of Bé and Tolderlund (1971).

(a)

(b)