

Figure S1. Relative to preindustrial levels, global mean annual temperature changes versus the average annual changes in maximum daily maximum temperature (TXx) over subregions during the 21st century under RCP8.5. Relative to the preindustrial level, the x-axis indicates the global annual mean temperature changes, and the y-axis indicates average annual changes over subregions for TXx. The gray symbols indicate individual models, and the red symbols indicate the multimodel median. Straight lines represent the linear fits for the multimodel median. The variable s on the panels indicates the slope of the straight line. All the correlation relationships are statistically significant at the 5% significance level.

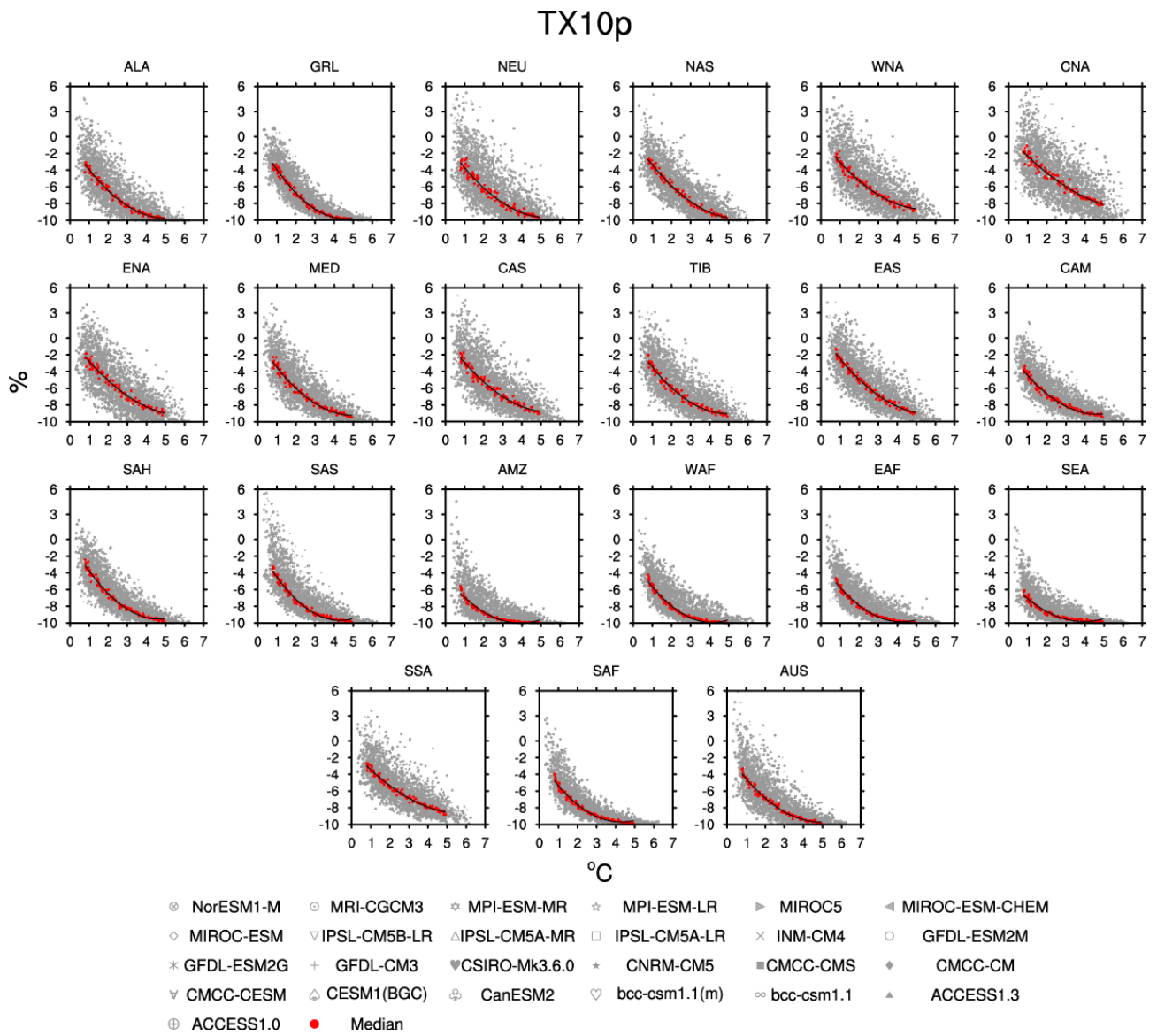


Figure S2. As in Figure S1 but for cold days (TX10p). The black curves in the subregions represent nonlinear fits for the multimodel median.

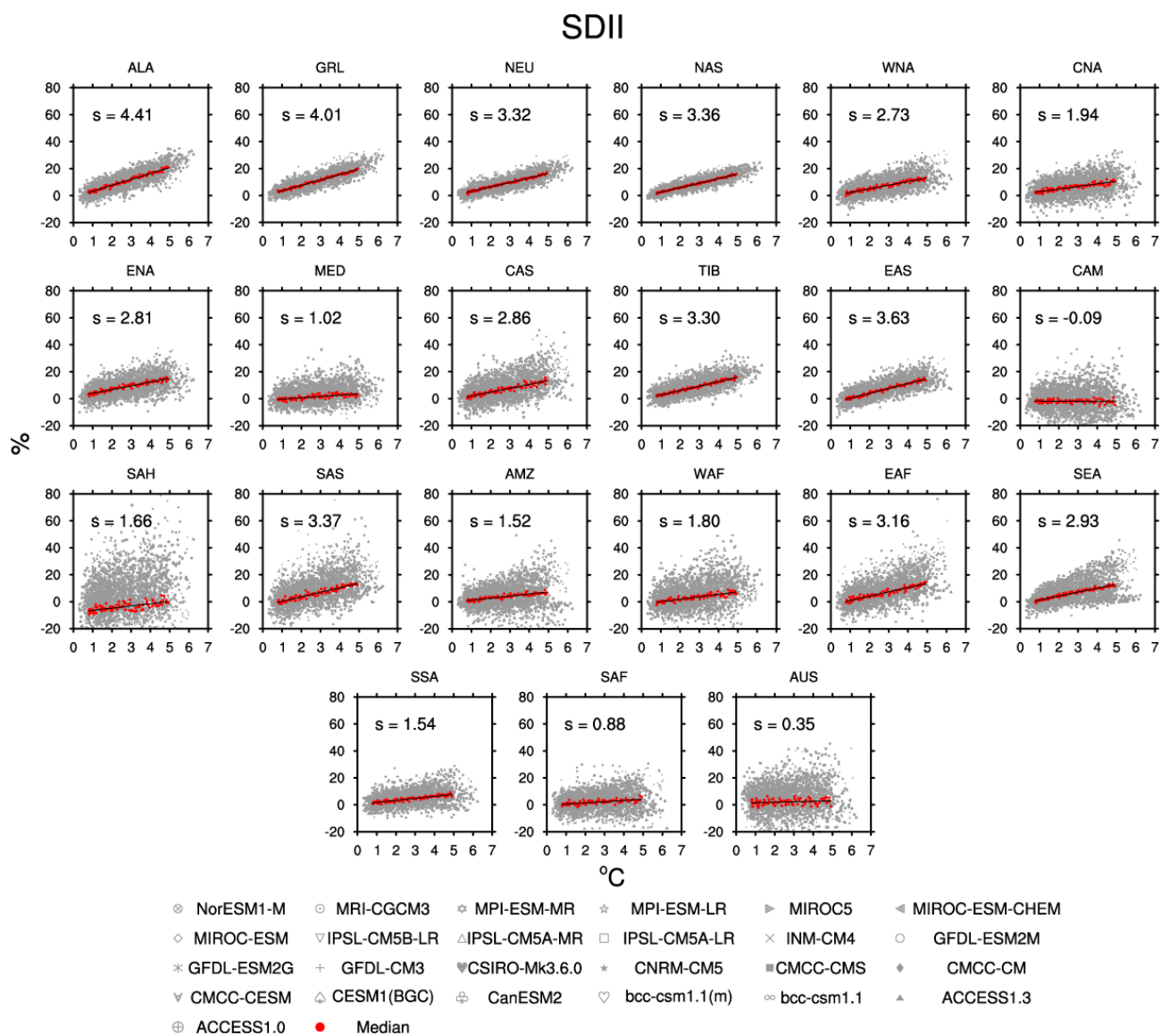


Figure S3. As in Figure S1 but for simple daily intensity (SDII). Apart from Australia (AUS), Mediterranean Basin (MED) and Southern Africa (SAF), the correlation relationships in other regions are statistically significant at the 5% significance level.

RX5day

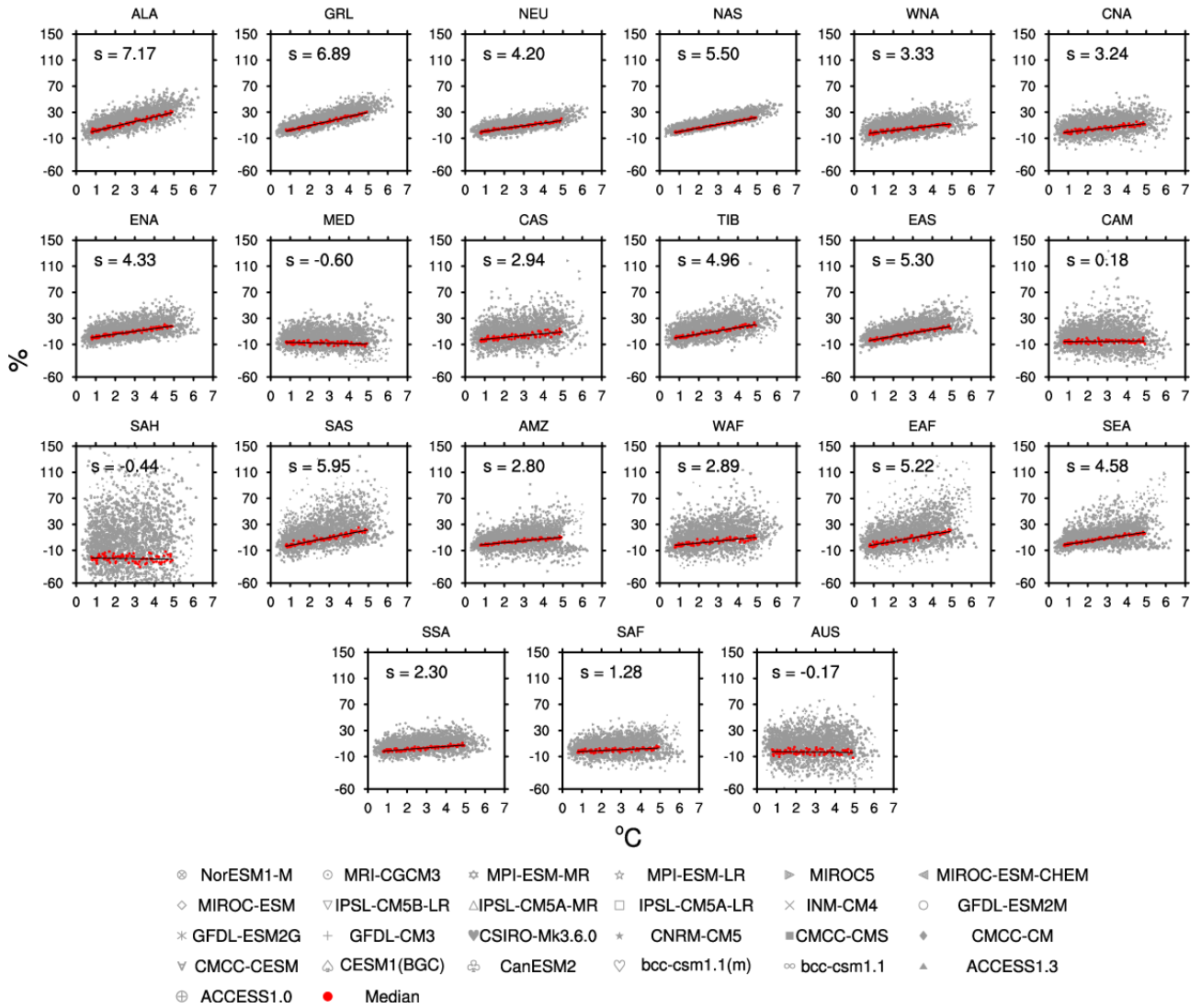


Figure S4. As in Figure S1 but for the maximum 5 day precipitation (RX5day). Apart from Australia (AUS) and Sahara (SAH), the correlation relationships in other regions are statistically significant at the 5% significance level.