



**Fig. S2** Monthly mean values of selected meteorological variables recorded at an AMeDAS weather station close to the study sites in 2004-2009. White lines represent 30-year averages (1980-2010) of (a) the mean air temperature ( $T_a$ ) and (b) the monthly precipitation ( $P_{cum}$ ) during the growing season. Dark and light grey areas represent  $\pm 1$  SD and  $\pm 2$  SD, respectively.