



**Additional file 1. Maximal, medium and minimal temperatures and precipitation at Pegões Experimental Station (38° 38' 55 N; -8° 39' 14 W).** Temperature (in °C) and precipitation (in mm) during 2010 season when the main experiment took place. Max temperature (red), average temperature (green) minimum temperature (purple) and precipitation (blue). Date of sampling (06<sup>th</sup> August) is indicated by the vertical black arrow.