Figure S1. (a) The relationship between Petorca river reconstruction and El Niño 3.4 index from May to September months during 1870–2015 period. Pearson correlation value between both variables (r = 0.30) present statistical significance at P < 0.001. **(b)** Moving Pearson correlation between the same variables at panel **(a)**, but using blocks of 5 and 7 years. Significant correlations values at P < 0.05 are indicated by respective color dashed lines. A vertical rectangle is added to represent the mega-drought interval.