

Table OR4. Pearson's correlation coefficients calculated between tree-ring chronologies (tree-ring width, TRW; and $\delta^{13}\text{C}$ discrimination, $\Delta^{13}\text{C}$) and seasonal aridity index for the period 1975-2011. (-1) indicates the season of the previous year. Spring: March-May, Summer: June-August, Autumn: September-November, Winter: previous year December-February, Calendar year: January-December, hydrological year: October(-1)- September. Significant correlations are in bold and italics (* $P < 0.05$, ** $P < 0.01$, *** $P < 0.001$).

Season	TRW	$\Delta^{13}\text{C}$
Autumn (-1)	0.302	-0.034
Winter	<i>0.378*</i>	0.072
Spring	<i>0.381*</i>	<i>0.358*</i>
Summer	0.064	0.172
Autumn	-0.057	-0.001
Calendar year	<i>0.426**</i>	0.208
Hydrological year	<i>0.579***</i>	0.181