



**Supplementary Figure.** Evolution of climatic parameters during the years of the study.

**Supplementary Table.** origin and propagation mode of the selected genotypes.

<b>Genotype</b>	<b>O5, O7, O2, O1, O4, O8, O6</b>
Origine of the genotype	Chouihya, beni-znassen, northestern of morocco
Production mode	Sexual mode, germination using phytotron
Year of production	2010
Culture conditions	Germination process was followed with two years in the greenhouses of the Mohammed first university
Years of the plantation	2012
Age during experiment	10 – 13 years old