**Polyamine-induced modulation of genes involved in ethylene biosynthesis and signalling pathways and nitric oxide production during olive mature fruit abscission**
Maria C. Parra-Lobato and Maria C. Gomez-Jimenez.

## Supplementary Figures

**Supplementary Fig. S1.** Phylogenetic analysis of *OeACS* and other ACSs. Gene accession number is shown in parentheses of each gene. The phylogenetic tree was computed using the Clustal-W program (Thompson *et al.*, 1994) employing standard parameters.

**Supplementary Fig. S2.** Phylogenetic analysis of *OeACO* and other ACOs. Gene accession number is shown in parentheses of each gene. The phylogenetic tree was computed using the Clustal-W program (Thompson *et al.*, 1994) employing standard parameters.

**Supplementary Fig. S3.** Phylogenetic analysis of *OeERS* and other ERSs. Gene accession number is shown in parentheses of each gene. The phylogenetic tree was computed using the Clustal-W program (Thompson *et al.*, 1994) employing standard parameters.

**Supplementary Fig. S4.** Phylogenetic analysis of *OeCTR* and other CTRs. Gene accession number is shown in parentheses of each gene. The phylogenetic tree was computed using the Clustal-W program (Thompson *et al.*, 1994) employing standard parameters.

**Supplementary Fig. S5.** Phylogenetic analysis of *OeEIL* and other EILs. Gene accession number is shown in parentheses of each gene. The phylogenetic tree was computed using the Clustal-W program (Thompson *et al.*, 1994) employing standard parameters.

**Supplementary Fig. S6.** z-Animated 3-D reconstruction of CLSM detection of NO in ARB fruit AZ at 217 DPA with DAF-FM-DA.

**Supplementary Fig. S7.** z-Animated 3-D reconstruction of CLSM detection of NO in PIC fruit AZ at 217 DPA with DAF-FM-DA.

**Fig. S1**

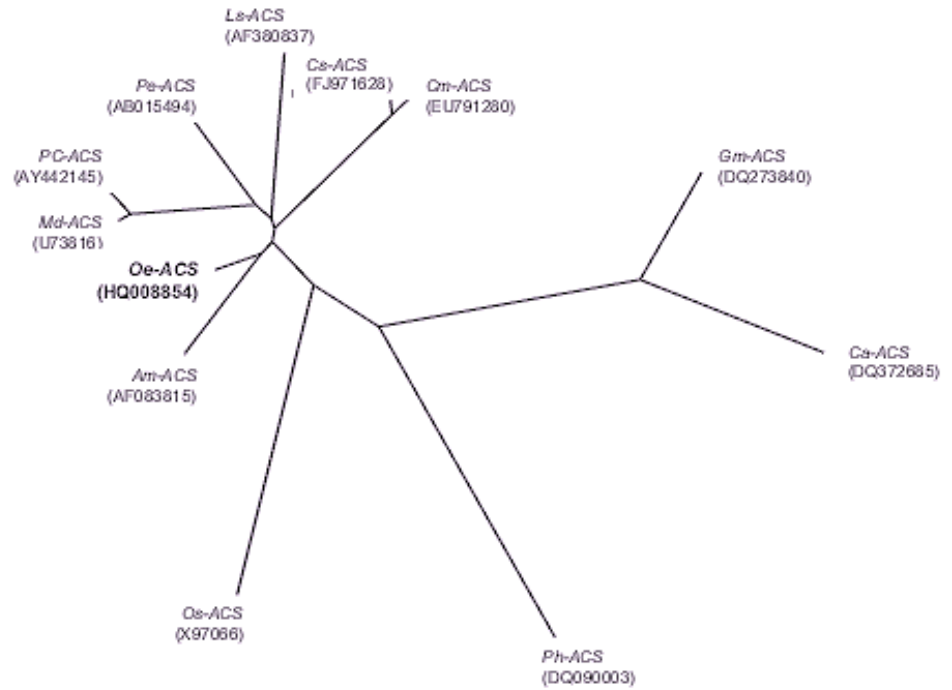
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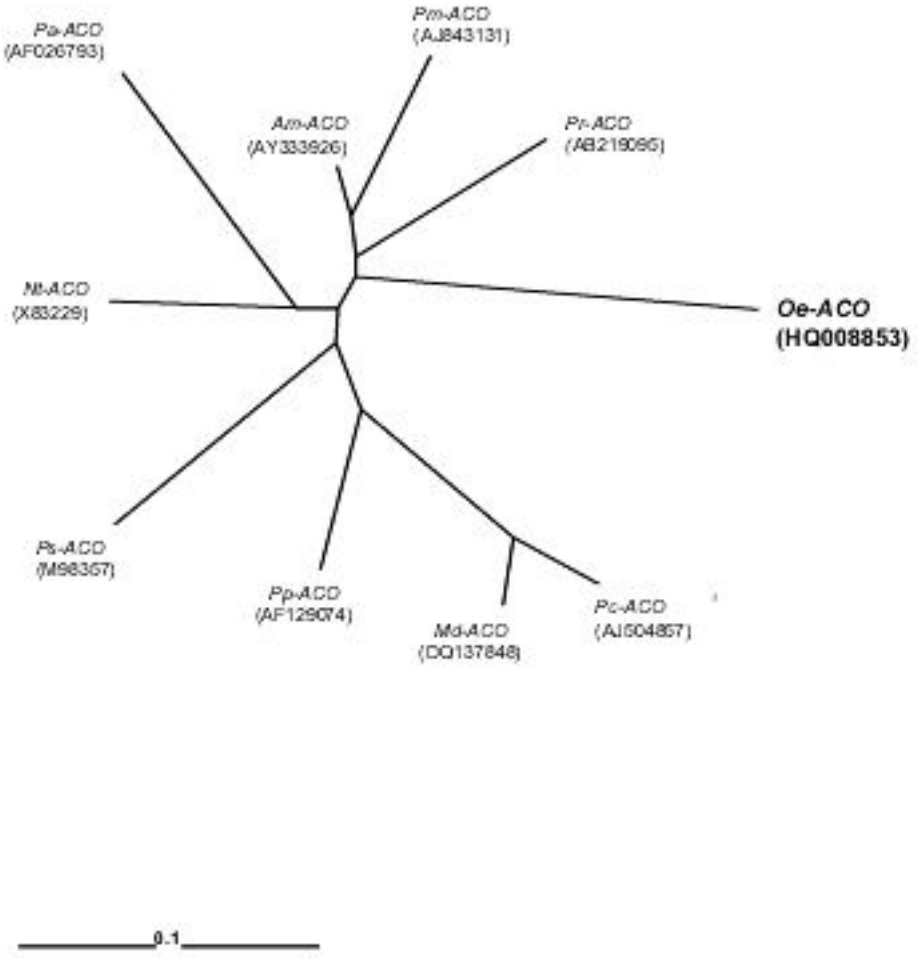
**Fig. S2**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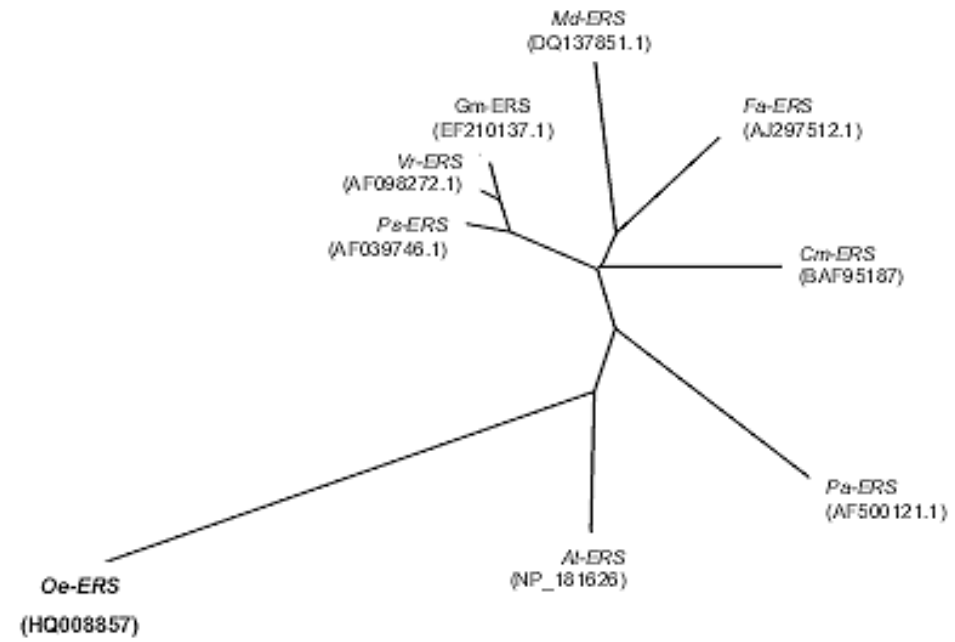
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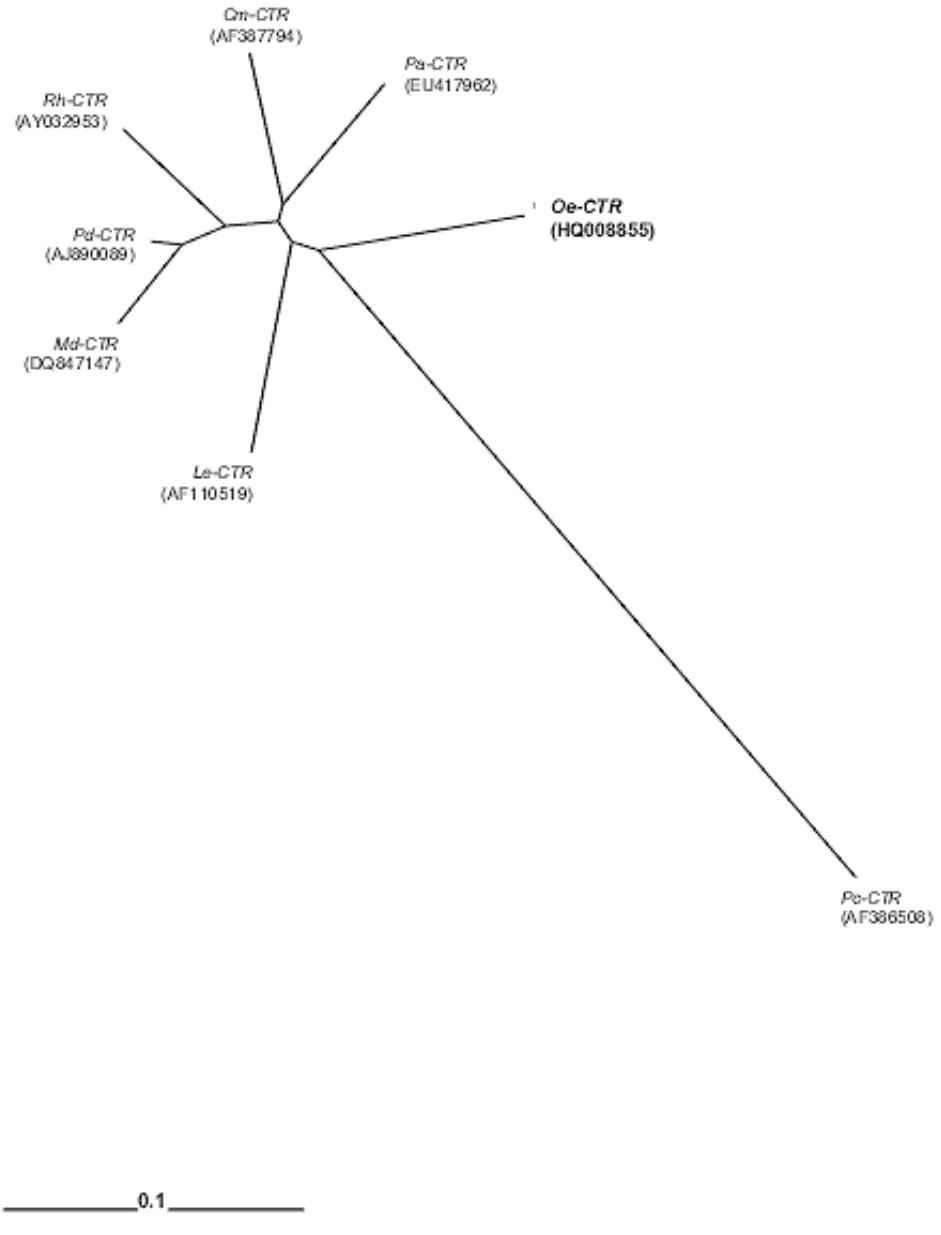
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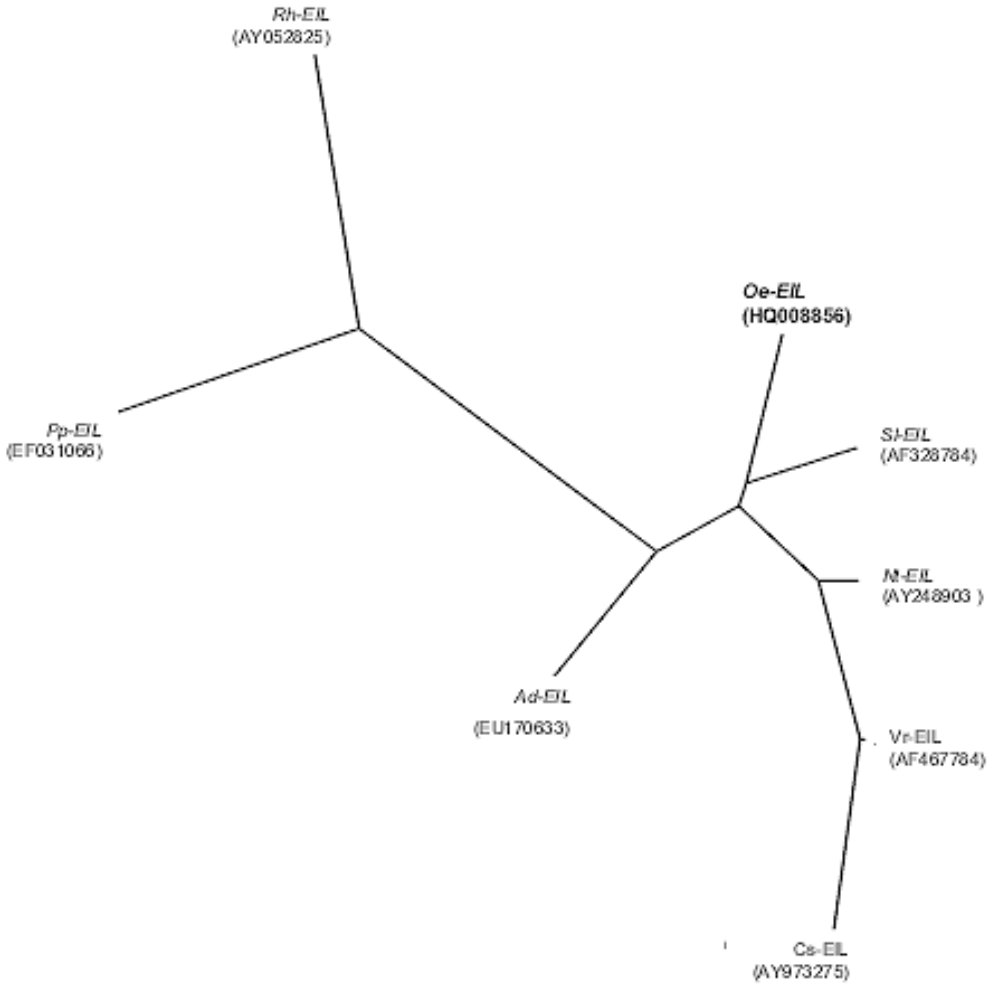
**Fig. S5**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