

Table I. Characteristics of an Extensin cDNA from *P. amygdalus*

Organism:
Prunus amygdalus (cv Texas), Rosaceae.

Locus:
Unknown.

Function:
Encodes a protein probably involved in cell wall structure.

Clone type:
cDNA.

Source:
cDNA library constructed from poly(A)⁺ mRNA isolated from 45-d-old root.

Identification:
cDNA library in λ-ZAP (Stratagene) screened with a tobacco extensin cDNA probe (4).

Sequencing strategy:
Restriction fragment subcloning; double-stranded plasmid sequencing in pBluescript of both strands using automatic sequencing with fluorescent-labeled primers (A.L.F., Pharmacia).

Homologies:
57% similarity with carrot extensin protein sequence.

cDNA structure:
1146 nucleotides (nt), 834 nt open reading frame and 303 nt 3'-trailer plus poly(A)⁺ tail. Putative polyadenylation sites and consensus splicing sequences (AGGT) in the 3' untranslated region.

Deduced protein structure:
278 aa (M, 31,000) including 31 aa signal peptide; peptides SPPPP, PYHYK, and SPSPPKH repeated along the sequence.

EMBL accession number:
X65718 PAEXTS.

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