

## IDENTIFICATION

**Species:** *Olea europaea*

**Locus:** Oeu051152

**Gene Model:** Oeu051152.1

**Description:** OeuEXPA-11

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

Phytozome: [https://phytozome-next.jgi.doe.gov/info/Oeuropaea\\_v1\\_0](https://phytozome-next.jgi.doe.gov/info/Oeuropaea_v1_0)

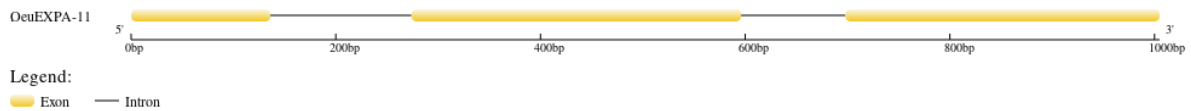
KEGG: <https://www.genome.jp/entry/T05244>

## EXTERNAL RESOURCES

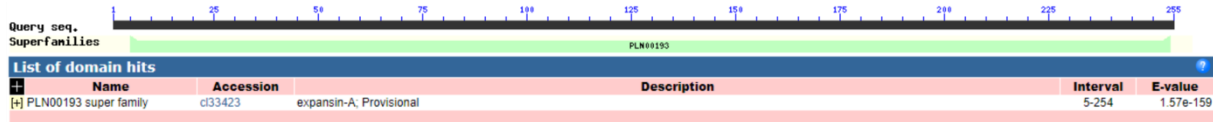
<http://olivegenome.org/>

<https://genomaolivar.dipujaen.es/db/index.php>

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>OeuEXPA-11

MANNGILALVLLSCFVLKASAFTASRWMRAHATFYGGSDASET MGGACGYGNLYA  
TGYGTRTAALSTALFNDGAACGQCYKIICDFNTDPRWCKRGTSVTVTATNFCPPNNA  
LPSDNGGWCNPPRQHFDMAQPAWEKIGVYRGGIVPVLYQRPCKKRGGVRFMTNG  
RDYFELVMISNVANAGSIRSVQIKGSRTNWMTMSRNWGANWQSN SYLNGQSLSFRII  
TTDGLTQTFLNVFPSNWA FGQTFASPIQF\*

### CDS (coding sequence)

>OeuEXPA-11

ATGGCCAACAATGGCATT TTAGCACTGGTACTTATATTGAGTTGTTTCGTCCTAAA  
AGCCAGCGCTTTCACCGCGTCTAGATGGATGCGAGCTCACGCAACATTCTACGGA  
GGTAGCGATGCTTCGGAAACAATGGGGGGTGCTTGTGGATATGGTAACTTGTATG  
CAACTGGATATGGGACTAGAACTGCAGCATTGAGTACAGCATTGTTTAATGATGG  
GGCAGCCTGTGGGCAATGTTACAAGATAATTTGCGATTTTAAACACCGACCCTCGA  
TGGTGCAAGAGAGGAACATCTGTTACTGTTACGGCGACAACTTTTGCCCTCCAA  
ACAATGCTCTTCCGAGCGACAATGGTGGGTGGTGCAATCCACCCCGTCAGCATT  
CGACATGGCTCAACCCGCTTGGGAAAAGATCGGTGTATACCGAGGAGGAATTGT  
GCCAGTGCTCTATCAAAGGGTTCCTTGCAAGAAGCGTGGTGGAGTTAGATTCACA  
ATGAACGGTAGGGATTACTTTGAGCTTGTGATGATCAGTAACGTGGCCAATGCTG  
GATCCATCCGATCAGTGCAAATCAAAGGGTCAAGAACTAATTGGATGACAATGTC  
TAGGAATTGGGGTGCCAATTGGCAATCCAATTCTTATCTAAATGGCCAATCTTTGT  
CCTTCAGAATCATTACTACTGATGGACTAACCCAACTTTCCTAAATGTATTCCCA  
TCAAATTGGGCTTTTGCCAAACATTTGCATCCCAATTCAGTTCTAA

### Nucleotide

>OeuEXPA-11

ATGGCCAACAATGGCATT TTAGCACTGGTACTTATATTGAGTTGTTTCGTCCTAAA  
AGCCAGCGCTTTCACCGCGTCTAGATGGATGCGAGCTCACGCAACATTCTACGGA  
GGTAGCGATGCTTCGGAAACAATGGGTAAGTGTGTGCTTAAATTGTTTCTAATT  
ATATTGCTTTCGATGATAAGGAATTAAGGCTTTATCCTAAGAGAAAAGTCGCGTT  
TATTTGTTATTTAGA ACTGAATTCGATATAAATTTTATTGGTATGGCCACAGGGGG  
TGCTTGTGGATATGGTAACTTGTATGCAACTGGATATGGGACTAGAACTGCAGCA

TTGAGTACAGCATTGTTTAATGATGGGGCAGCCTGTGGGCAATGTTACAAGATAA  
TTTGCGATTTTAAACACCGACCCTCGATGGTGCAAGAGAGGAACATCTGTTACTGT  
TACGGCGACAAACTTTTGCCCTCCAAACAATGCTCTTCCGAGCGACAATGGTGGG  
TGGTGCAATCCACCCCGTCAGCATTTCGACATGGCTCAACCCGCTTGGGAAAAGA  
TCGGTGTATACCGAGGAGGAATTGTGCCAGTGCTCTATCAAAGGTCTTTACGCTC  
CCCAAATTGATACCACTAGACCTGAATTTTTGCTCAAATGTTTATTTAATCTTCA  
ACATATTCAACCTAGTATTTTATATATAATGCAGGGTTCCTTGCAAGAAGCGTGG  
TGGAGTTAGATTCACAATGAACGGTAGGGATTACTTTGAGCTTGTGATGATCAGT  
AACGTGGCCAATGCTGGATCCATCCGATCAGTGCAAATCAAAGGGTCAAGAACT  
AATTGGATGACAATGTCTAGGAATTGGGGTGCCAATTGGCAATCCAATTCTTATC  
TAAATGGCCAATCTTTGTCCTTCAGAATCATTACTACTGATGGACTAACCCAACT  
TTCCTAAATGTATTCCCATCAAATTGGGCTTTTGGCCAAACATTTGCATCCCAAT  
TCAGTTCTAA