

## IDENTIFICATION

**Species:** *Olea europaea*

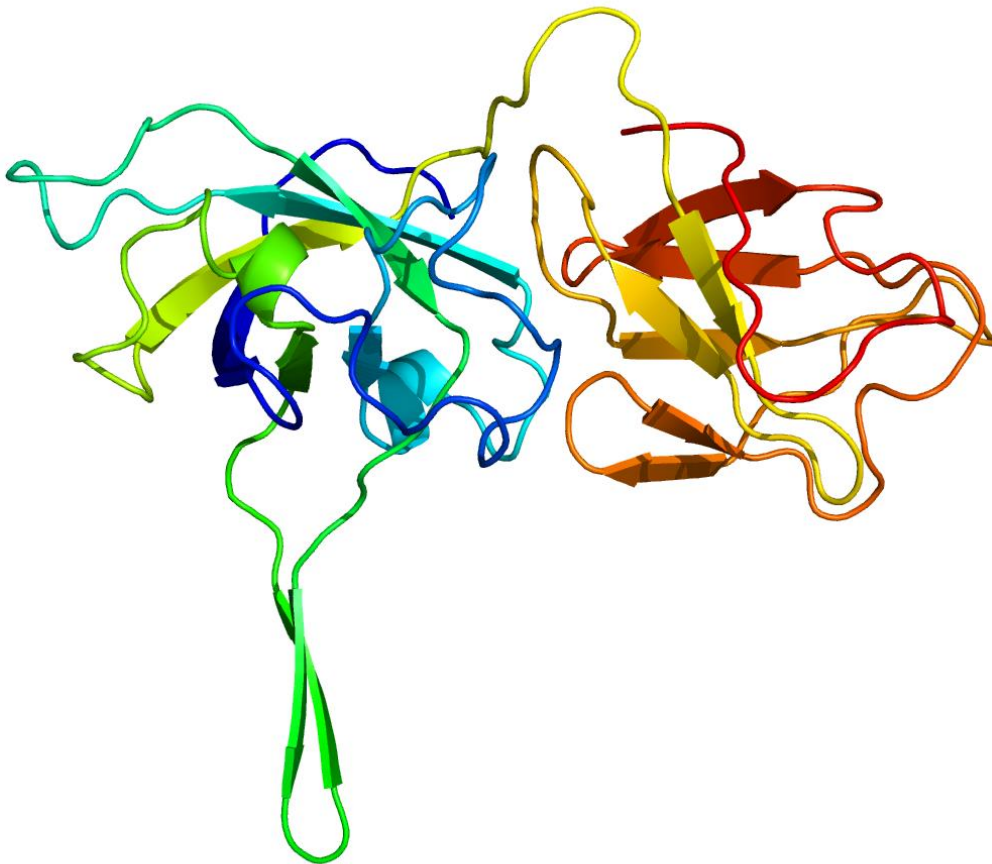
**Locus:** Oeu057990

**Gene Model:** Oeu057990.1

**Description:** OeuEXPA-09

**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)

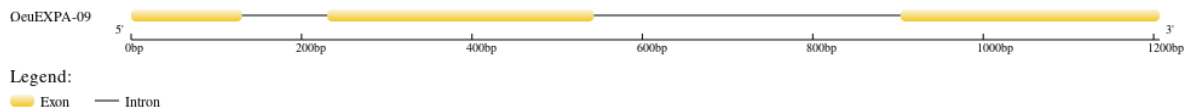
KEGG: <https://www.genome.jp/entry/T05244>

## EXTERNAL RESOURCES

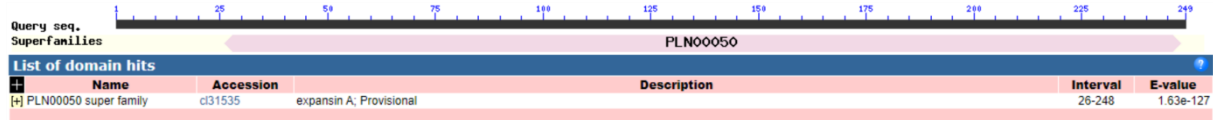
<http://olivegenome.org/>

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>OeuEXPA-09

MHFLLLVFFLSFHNTYAYGGGAYGGWKS AHATFYGGSDASGTMGGACGYGNLYSQ  
GYGTNTAALSTALFN SGLSCGACYEMRCNDDPKWCLPGTITFTATNFCPPNYALANN  
NGGWCNPPLQHFDLAQPAFLKIAQYRAGIVPVAYRRVPCEKKGGM RFTINGHSYFNL  
VLITNVGGVGDVHALWIKSRTGWQKMSRNWQNWQSN SYLNDQSL SFRVTASDG  
HTVTSYNVVPASWQFGQTFEGGQF\*

### CDS (coding sequence)

>OeuEXPA-09

ATGCATTTTCTTTTATTGGTTTTCTTTTTATCTTTCCATAACACATACGCGTATGGT  
GGCGGCGCCTATGGTGGTTGGAAAAGTGCCCATGCAACATTTTACGGAGGCTCCG  
ATGCTTCCGGCACAATGGGTGGTGCATGTGGATATGGTAACTTGTATAGCCAAGG  
TTATGGGACTAATACTGCTGCATTGAGTACTGCCCTTTTCAACAGTGGGCTGAGCT  
GTGGTGCCTGCTATGAAATGAGGTGCAATGACGACCCGAAGTGGTGTCTTCCGGG  
AACTATAACCTTCACCGCCACCAATTTCTGCCACCAAATTATGCATTGGCCAAT  
AACAACGGCGGCTGGTGCAATCCACCTCTTCAACACTTTGATCTCGCTCAGCCTG  
CATTCTTGAAAATTGCACAATATCGTGCTGGAATAGTACCAGTGGCGTATAGAAG  
GGTTCATGTGAGAAGAAAGGAGGAATGAGGTTACCATCAATGGCCATTCTTAC  
TTTAACTTGGTGTGATAACAAATGTTGGAGGAGTAGGAGATGTGCATGCATTGT  
GGATCAAAGGGTCACGCACTGGTTGGCAAAAAATGTCAAGAAATTGGGGCCAAA  
ATTGGCAGAGTAATTCTTACCTAAATGACCAAAGTCTTTCTTTTAGAGTTACAGCC  
AGTGATGGCCACACAGTTACCAGCTACAACGTTGTACCAGCAAGCTGGCAATTTG  
GACAAACTTTTGAAGGAGGCCAATTTTGA

### Nucleotide

>OeuEXPA-09

ATGCATTTTCTTTTATTGGTTTTCTTTTTATCTTTCCATAACACATACGCGTATGGT  
GGCGGCGCCTATGGTGGTTGGAAAAGTGCCCATGCAACATTTTACGGAGGCTCCG  
ATGCTTCCGGCACAATGGGTACGTTAACGATGTAAAGTAATTGCTTTTTTCTCTTA  
ACAATGTTGGGTCCAGTCCAGTATACAAAACACGGCATCATTATTTTTATGTATAT  
GTATAGGTGGTGCATGTGGATATGGTAACTTGTATAGCCAAGGTTATGGGACTAA  
TACTGCTGCATTGAGTACTGCCCTTTTCAACAGTGGGCTGAGCTGTGGTGCCTGCT

ATGAAATGAGGTGCAATGACGACCCGAAGTGGTGTCTTCCGGGA ACTATAACCTT  
CACCGCCACCAATTTCTGCCACCAAATTATGCATTGGCCAATAACAACGGCGGC  
TGGTGCAATCCACCTCTTCAACACTTTGATCTCGCTCAGCCTGCATTCTTGAAAAT  
TGCACAATATCGTGCTGGAATAGTACCAGTGGCGTATAGAAGGTATAATGCAAAT  
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GAATTTCACTGTCACCAAACCTTCATTTAAACTTCCAAAATGAGCTGTAAACGAT  
GGAAATGCATAATTGGATCACGATGCAATGCCTAAAACACATGTTTAGCCCTGTC  
GCCCTATATAAACATTCTACATGTGTACAAGAAGTTTGGCACAAAGATACTTAGA  
AATTGCATGGTGTCAATTCTTATAGTAATCATACTGCAGTTATCTTACTTTTTACGC  
ACGTTTTACCTATTTAGAGGACACAAGTGGTATTGCTTAATGACATCGTTTTATGT  
TACTTTTTGACAGGGTTCCATGTGAGAAGAAAGGAGGAATGAGGTTACCCATCAA  
TGGCCATTCTTACTTTAACTTGGTGTGATAACAAATGTTGGAGGAGTAGGAGAT  
GTGCATGCATTGTGGATCAAAGGGTCACGCACTGGTTGGCAAAAATGTCAAGA  
AATTGGGGCCAAAATTGGCAGAGTAATTCTTACCTAAATGACCAAAGTCTTTCTT  
TTAGAGTTACAGCCAGTGATGGCCACACAGTTACCAGCTACAACGTTGTACCAGC  
AAGCTGGCAATTTGGACAAACTTTTGAAGGAGGCCAATTTTGA