

## IDENTIFICATION

**Species:** *Olea europaea*

**Locus:** Oeu017145

**Gene Model:** Oeu017145.1

**Description:** OeuEXPA-24

**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)

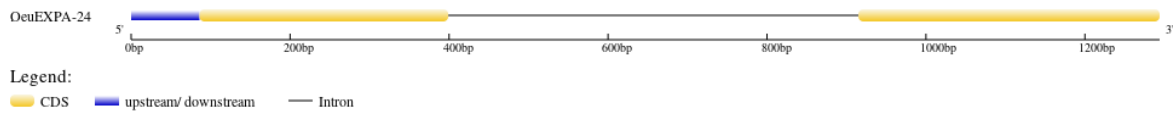
KEGG: <https://www.genome.jp/entry/T05244>

## EXTERNAL RESOURCES

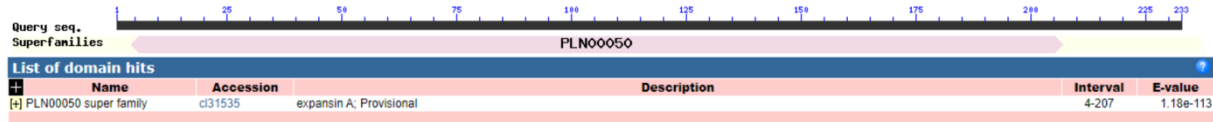
<http://olivegenome.org/>

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>OeuEXPA-24

MIRGACGYGNLYSQGYGTNTSALSTALFNGLSCGACYEMRCNDDPKWCLPGTITIT  
ATNFCSPNYALANNNGWCNPLQHFDLAQPFLKIALYHAGIVPVA YRRIPC VKKG  
GMRFTINGHSYFNLVLTNVGGVGDVHAVWIKGSSTGWQQLSRNWGQNWQSNSYL  
NGQSLFRVITASDGHTVTSHNIVPAGWPFQTFEGGQFLTSPRKQYLSLINRVSTYW  
QKVMQP\*

### CDS (coding sequence)

>OeuEXPA-24

ATGATACGTGGGGCGTGTGGATATGGTAATTTGTACAGCCAAGGTTATGGGACTA  
ATACTTCTGCATTGAGCACTGCCCTTTCAACAATGGGCTGAGCTGTGGTGCGTGC  
TACGAAATGAGGTGCAACGACGACCCCAAATGGTGTCTTCCGGGGACGATAACC  
ATCACCGCCACCAATTTCTGCTCACCAAACTATGCATTAGCTAATAACAACGGCG  
GCTGGTGCAATCCACCTCTTCAACACTTCGATCTGGCTCAGCCTGCATTCTTGAAA  
ATTGCACTGTACCATGCTGGTATAGTTCCTGTGGCCTATAGAAGGATTCCATGTGT  
GAAGAAAGGAGGAATGAGGTTCAACAATCAATGGCCATTCTTACTTCAACTTGGTG  
TTGATAACAAACGTAGGTGGAGTAGGAGATGTGCATGCAGTATGGATCAAAGGG  
TCAAGCACTGGTTGGCAACAGTTGTCAAGAAATTGGGGCCAAAATTGGCAGAGC  
AATTCATACCTAAACGGCCAAAGTCTTTCTTTTAGAGTAACAGCCAGTGATGGCC  
ACACAGTTACCAGCCACAACATTGTACCAGCAGGCTGGCCGTTTGGACAGACTTT  
TGAAGGAGGCCAATTTTAAACAAGTCCTAGGAAACAATATTTGTCTCTCATTAAC  
CGTGTTTCCACATATTGGCAAAGGTAATGCAGCCGTAA

### Nucleotide

>OeuEXPA-24

ATGATACGTTAGATCACACACACTTACTATGTAATAATATTTGGTCCAATCCAGTAT  
ATGTAATAAACATGGCATCGTTGTTTTCAGGTGGGGCGTGTGGATATGGTAATTT  
GTACAGCCAAGGTTATGGGACTAATACTTCTGCATTGAGCACTGCCCTTTCAAC  
AATGGGCTGAGCTGTGGTGCGTGCTACGAAATGAGGTGCAACGACGACCCCAA  
TGGTGTCTTCCGGGGACGATAACCATCACCGCCACCAATTTCTGCTCACCAA  
ATGCATTAGCTAATAACAACGGCGGCTGGTGCAATCCACCTCTTCAACACTTCGA  
TCTGGCTCAGCCTGCATTCTTGAAAATTGCACTGTACCATGCTGGTATAGTTCCTG

TGGCCTATAGAAGGTATAATTTTGAGTTAAAAATGCTCAGTTTCAAATTCTGAAA  
TTAAATAACTATTTTTTCTTTTTCTTTTTTAATAATAATTGGAGCTCTTAAATTTCA  
CTATCACGTACCAAACCTCCATAAACTTCCAAAATGAGCAGTAAATGATGGAAA  
TGCATAAATGGATTGTAATGCAACTCATAAAGGGCACGTTTGGCAATTGGCACAC  
AATAATAGCATAACCGATCTCCTGTCCATGGTGGGAAGAAGGTATCTTGTCCATCG  
ATGAGGTAGCAAGACACCTAACAGGTATTTTTAGACTCGACCAGTGGACAAGAT  
ATCTCTTGCCCTAATAATTAGTATAATAGACAATTTTTTA ACTTATTTTTCTTTTGT  
TCAGTCTACTTTATCACACATATTA AAAAGATCATTATCACCTAGTTATATGTGCGT  
CATTTTGATTGTACTTCCTTATAATAATCATACGACAGTTGTTAACGGATTTCATCA  
ACGACGTCATTTATGTTGCTTTTTGACAGGATTCCATGTGTGAAGAAAGGAGGAA  
TGAGGTTCAACAATCAATGGCCATTCTTACTTCAACTTGGTGTGATAACAAACGT  
AGGTGGAGTAGGAGATGTGCATGCAGTATGGATCAAAGGGTCAAGCACTGGTTG  
GCAACAGTTGTCAAGAAATTGGGGCCAAAATTGGCAGAGCAATTCATACCTAAA  
CGGCCAAAGTCTTTCTTTTAGAGTAACAGCCAGTGATGGCCACACAGTTACCAGC  
CACAACATTGTACCAGCAGGCTGGCCGTTTGGACAGACTTTTGAAGGAGGCCAAT  
TTTTAACAAGTCCTAGGAAACAATATTTGTCTCTCATTAAACCGTGTTTCCACATAT  
TGGCAAAGGTAAATGCAGCCGTAA