

IDENTIFICATION

Species: *Olea europaea*

Locus: Oeu015567

Gene Model: Oeu015567.1

Description: OeuEXPA-15

Family: Alpha Expansin

3D structure:



GENOME DATABASES

Phytozome: https://phytozome-next.jgi.doe.gov/info/Oeuropaea_v1_0

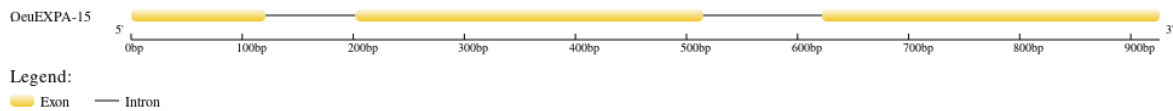
KEGG: <https://www.genome.jp/entry/T05244>

EXTERNAL RESOURCES

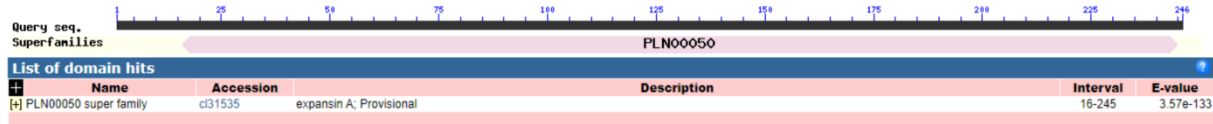
<http://olivegenome.org/>

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>OeuEXPA-15

MAFVTLAFFNLQFHSIKGDYGGWQSAHATFYGGGDASGTMGGACGYGNLYSQGYG
TNTAALSTALFNGLSCGSCYEMRCNDDPKWCLSGTITVTATNFCPPNYALPNNNGG
WCNPPLQHFDLAQPAFLQIAQYRAGIVPVVFRRVPCVKKGGIRFTINGHSYFNLVLIT
NVAGVGDVHAVSIKGSRTGWQTMSRNWQNWQSN SYLNGQSI SFKVTTS DGR TVM
SFNVAPSNWQFGQTFQGGQF*

CDS (coding sequence)

>OeuEXPA-15

ATGGCTTTTGTAACACTTGCTTTCTTCAATCTACAGTTTCATAGTATTAAGGTGA
TTATGGTGGTTGGCAAAGTGCTCATGCCACTTTCTATGGTGGCGGTGATGCTTCTG
GAACCATGGGAGGAGCATGTGGATATGGAAATTTGTATAGTCAAGGCTATGGAA
CAAATACTGCAGCACTAAGCACAGCCTTGTTCAACAATGGATTGAGTTGCGGCTC
GTGTTATGAAATGCGGTGCAATGATGACCCAAAATGGTGCCTCTCGGGGACTATC
ACTGTCACCGCCACCAACTTTTGCCCTCCAACTATGCCCTGCCGAATAACAATG
GTGGTTGGTGCAATCCTCCCCTTCAACATTTTGACTTGGCTCAGCCTGCTTTCCTT
CAAATTGCTCAGTATCGCGCTGGAATTGTACCTGTCGTCCTCAGAAGGGTCCCAT
GTGTGAAGAAAGGGGAATTAGGTTACCATTAATGGGCATTCATACTTCAACTT
GGTTTTGATCACCAACGTTGCGGGTGTAGGAGATGTCCATGCAGTGTC AATTA
GGGTCAAGAACAGGGTGGCAA ACTATGTCCAGAAATTGGGGCCAAA ACTGGCAA
AGCAATTCATACCTTAATGGACAAAGCATTTCATTTAAAGTCACCACCAGTGATG
GTAGA ACTGTCATGAGTTTCAACGTGGCACCTTCTAATTGGCAGTTTGGCCAGAC
TTTTCAAGGGGGTCAATTCTAA

Nucleotide

>OeuEXPA-15

ATGGCTTTTGTAACACTTGCTTTCTTCAATCTACAGTTTCATAGTATTAAGGTGA
TTATGGTGGTTGGCAAAGTGCTCATGCCACTTTCTATGGTGGCGGTGATGCTTCTG
GAACCATGGGTACGTAACTTTAGTATTGTCTAGTCAAGCATACTCATTCTGTTAT
CTAAGTAAATAATGTGGTTGTTGGGTTTTGTAGGAGGAGCATGTGGATATGGAA
ATTTGTATAGTCAAGGCTATGGAACAAATACTGCAGCACTAAGCACAGCCTTGTT
CAACAATGGATTGAGTTGCGGCTCGTGTTATGAAATGCGGTGCAATGATGACCCA

AAATGGTGCCTCTCGGGGACTATCACTGTCACCGCCACCAACTTTTGCCCTCCAA
ACTATGCCCTGCCGAATAACAATGGTGGTTGGTGCAATCCTCCCCTTCAACATTTT
GACTTGGCTCAGCCTGCTTTCCTTCAAATTGCTCAGTATCGCGCTGGAATTGTACC
TGTCGTCTTCAGAAGGTCTTTTTTCACTTTTTATAGTACTATCTACTGCATTATA
ATCGAGTTGTTCTTGTGATACCAATAAACTGAGAATCTAACTATTTTATGGGAATT
TATTTGTAGGGTCCCATGTGTGAAGAAAGGGGGAATTAGGTTACCATTAATGGG
CATTCACTTCAACTTGGTTTTGATCACCAACGTTGCGGGTGTAGGAGATGTCCA
TGCAGTGTCAATTAAGGGTCAAGAACAGGGTGGCAAACCTATGTCCAGAAATTG
GGGCCAAAACCTGGCAAAGCAATTCATACCTTAATGGACAAAGCATTTCATTTAAA
GTCACCACCAGTGATGGTAGAACTGTCATGAGTTTCAACGTGGCACCTTCTAATT
GGCAGTTTGGCCAGACTTTTCAAGGGGGTCAATTCTAA