

IDENTIFICATION

Species: *Olea europaea*

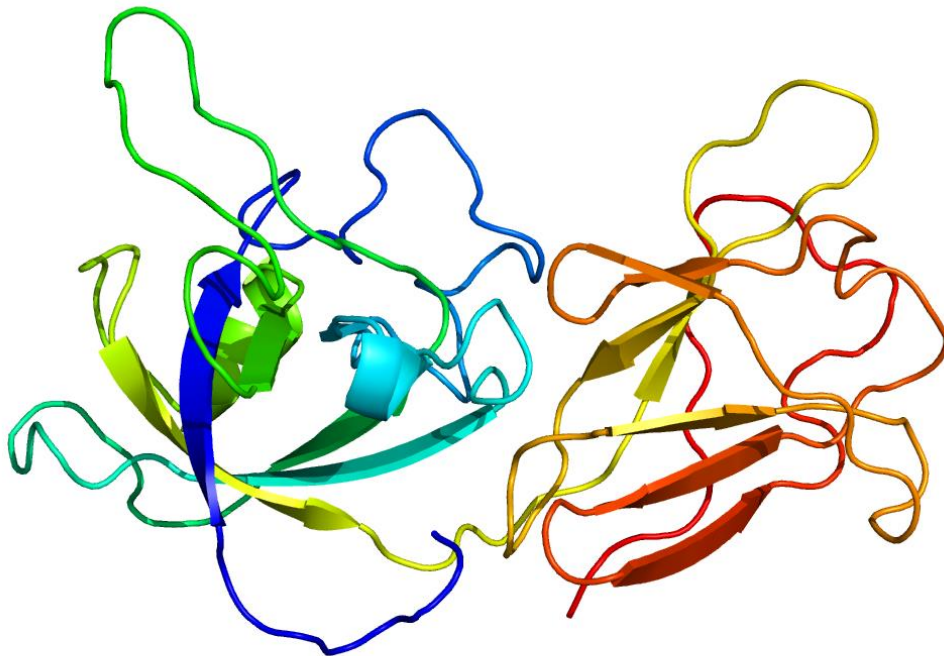
Locus: Oeu055108

Gene Model: Oeu055108.1

Description: OeuEXPA-08

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

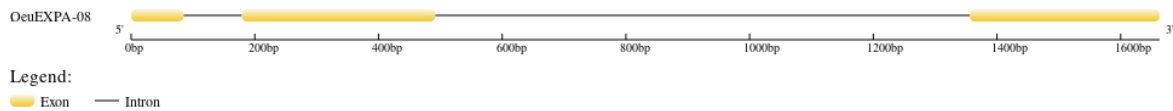
KEGG: <https://www.genome.jp/entry/T05244>

EXTERNAL RESOURCES

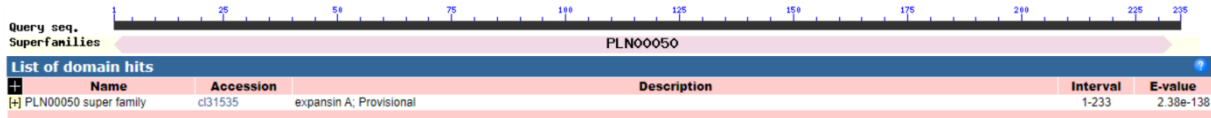
<http://olivegenome.org/>

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>OeuEXPA-08

MVSSVHGYGEWINAHATFYGGSDASGTMGGACGYGNLYSQGYGTNTAALSTALFN
SGLSCGSCYEIKCVNDGKWCLPGSIVVTATNFCPPNNALPNNAGGWCNPLHHFDLS
QPIFQHIAQYRAGIVPVA YRRVPCRRRGGVRFTINGHSYFNLVLITNVGGAGDVHAVS
IKGSRGTGWQPMsrnwGQNWQSNsYLNQSLsFKVIA SDGRSIVSFNVVPPNWSFGQT
FTGGQFN*

CDS (coding sequence)

>OeuEXPA-08

ATGGTGTCATCTGTTTCATGGCTATGGAGAGTGGATTAATGCTCATGCCACCTTCTA
TGGTGGTAGTGATGCCTCTGGAACAATGGGTGGAGCATGTGGTTATGGAAATCTG
TACAGCCAAGGCTATGGTACAAACACTGCAGCACTGAGTACAGCTCTGTTCAATA
GTGGACTGAGCTGTGGATCATGCTATGAAATTAAGTGTGTGAATGATGGAAAATG
GTGCCTGCCAGGGTCCATTGTGGTACAGCCACCAATTTCTGCCACCAACAAT
GCCCTCCCAAATAATGCAGGGGGTGGTGCAACCCTCCCCTGCATCACTTTGATC
TCTCCAGCCTATCTTTCAACACATTGCACAATACAGAGCTGGAATTGTCCCTGTT
GCTTACAGAAGGGTACCCTGCAGGAGAAGGGGTGGTGTGAGGTTACCATTAAT
GGTCACTCCTACTTCAATTTAGTACTCATAACCAATGTTGGTGGTGGTGGTGGTGT
TCATGCAGTGTCAATCAAAGGGTCAAGGACCGGTTGGCAGCCAATGTCAAGGAA
CTGGGGTCAA AATTGGCAAAGCAACTCCTATCTTAACGGTCAAAGCCTCTCATT
AAAGTCATCGCCAGTGATGGTAGAAGTATAGTGTCTTCAATGTTGTCCACCTA
ACTGGTCTTTTGGACAGACTTTTACTGGAGGGCAATTCAACTAA

Nucleotide

>OeuEXPA-08

ATGGTGTCATCTGTTTCATGGCTATGGAGAGTGGATTAATGCTCATGCCACCTTCTA
TGGTGGTAGTGATGCCTCTGGAACAATGGGTACGCTCAGCCATGTTCTTTTTTGGAA
TTCCTTTTTGGACATACTTTTCAACTTCATATTGGATTTGAACATAACAAAATTCT
GGGTTTGGCAGGTGGAGCATGTGGTTATGGAAATCTGTACAGCCAAGGCTATGGT
ACAAACACTGCAGCACTGAGTACAGCTCTGTTCAATAGTGGACTGAGCTGTGGAT
CATGCTATGAAATTAAGTGTGTGAATGATGGAAAATGGTGCCTGCCAGGGTCCAT
TGTGGTACAGCCACCAATTTCTGCCACCAACAATGCCCTCCCAAATAATGCA

GGGGGTTGGTGCAACCCTCCCCTGCATCACTTTGATCTCTCCCAGCCTATCTTTCA
ACACATTGCACAATACAGAGCTGGAATTGTCCCTGTTGCTTACAGAAGGTATGCT
TAATCTGTGCCTATTTAGCCTTTAATATAGGTTTCGTATAAGAGCCTAATTGTACTT
TACACTTTTCCTTCATAAGATACAGAAGTAGTGTGAAAAATCTTGTATTCTCTTTC
GTCACAATAAGGACAAGTAGACAGCAGCTATAAATTTGTGCATTCACTTTGCAGG
TTTATTATTTTGTTTTGTTTATATTTTGTGTTGAAATTTAGGGAAGCCCACCTATGT
TTCGGTCACAACATAAGAAACATATTAATTTTCTGTTTGTAGTCTATATAATTCAT
GCTTCTTGTGAGTTTTTGCATTCAAGTAAATAGGACCCTCAATTTTTCTGCTTAAG
GTCCCCCACCAGTGTATTAATAATATTTACTGCAATAATTTCTTGTGTTGGTGCCTTA
GTTTTTGGACTATGTGGGGTCTAATTATACTATACACTTATTTTTCTCAACCACAT
ATTTATACGTGCAACTTGGGTTCAAGGGCATATCAAGTATCCAATCCATGTATTA
AATTGTCATGATTTTTAGAGAGGTGGTTCGATGGTGCAAGGGAGATGTTTGTGAT
AGTGAAAACCTGTAGTAACAGGATGATGTTACATGTACACTTTTGATTATACATA
AAGTTTTACACCTCCTCACATAAAGAGAGTACAAGTAGACTAATCCATAGTAGCA
AGTGGATTAGCTTTCTTTTTCAAGGGTCAGCCACCATAAATCTAAGTGCTTTGCCT
GTTTTGTGATAGGGATGACCATATTGGGACTTGACCATAACTTATTTTTAGTATA
ATTACTCTTCAATGTCAAATTAGTACACATCACGCTTTTATTTATGAAACTAAAC
TGTTTTCACTTTAATTTGTAGGGTACCCTGCAGGAGAAGGGGTGGTGTGAGGTTT
ACCATTAATGGTCACTCCTACTTCAATTTAGTACTCATAACCAATGTTGGTGGTGC
TGGTGATGTTTCATGCAGTGTCAATCAAAGGGTCAAGGACCGGTTGGCAGCCAATG
TCAAGGAACTGGGGTCAAATTTGGCAAAGCAACTCCTATCTTAACGGTCAAAGCC
TCTCATTTAAAGTCATCGCCAGTGTGGTAGAAGTATAGTGTCTTCAATGTTGTC
CCACCTAACTGGTCTTTTGGACAGACTTTTACTGGAGGGCAATTCAACTAA