

IDENTIFICATION

Species: *Olea europaea*

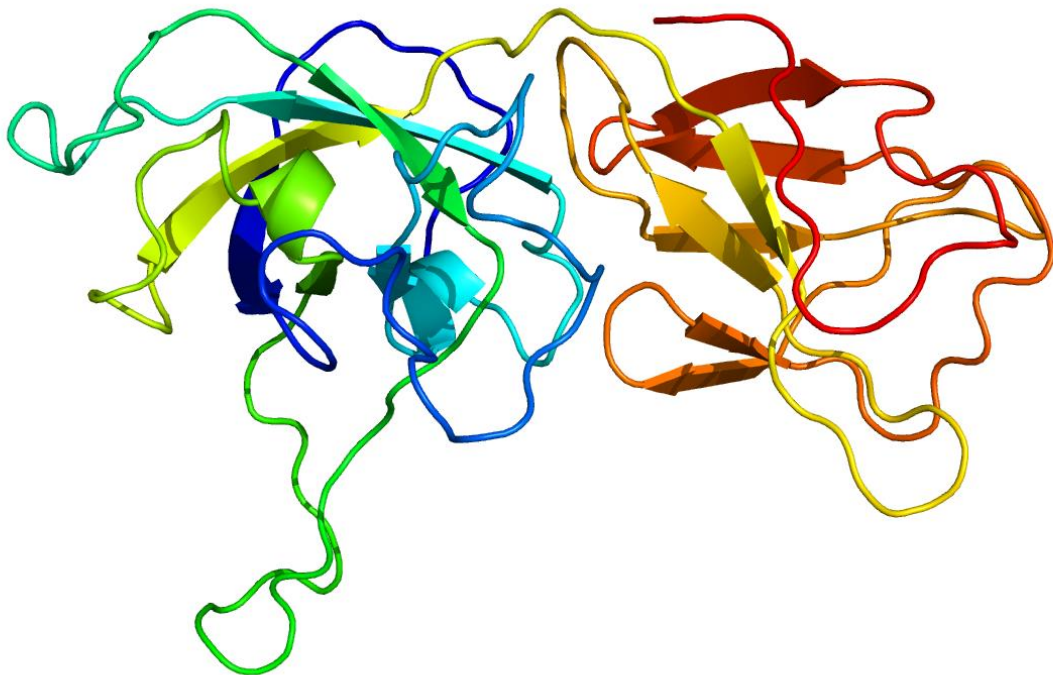
Locus: Oeu004157

Gene Model: Oeu004157.1

Description: OeuEXPA-03

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

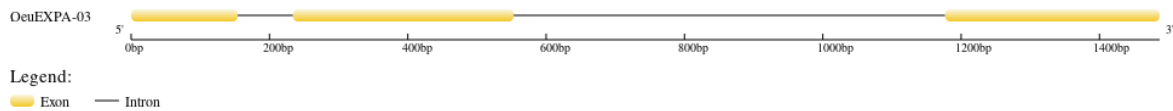
KEGG: <https://www.genome.jp/entry/T05244>

EXTERNAL RESOURCES

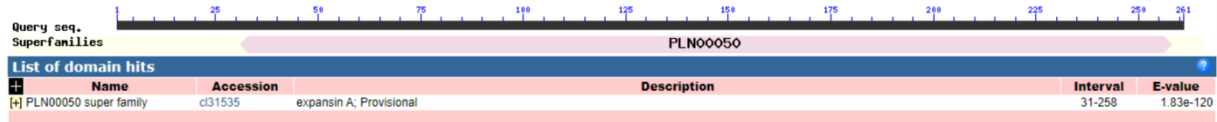
<http://olivegenome.org/>

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>OeuEXPA-03

MGLVDLVCNIVFLVLLLSLVVQARIPGVYRGESWQGAHATFYGGSDASGTMGGACG
YGNLYSQGYGVNTAALSTALFNKGFSCGACFEIKCSNERQWCHAGSPSIFITATNFCP
PNYALPNDNGGWCNPPRSHFDLAMPMLKIAEYRAGIVPVVYRRVPCRRQGGVRFIT
NGFRYFNLVLVTNVAGAGDIVKVSIGSRTGWMSMSRNWQNWQSNVVLVGQSL
FRVTGSDRRTSTSWNIASAHWQFGQTFVGKNFRV*

CDS (coding sequence)

>OeuEXPA-03

ATGGGTTTtagtCGATCTAGTCTGCAACATTGTTTTTCTCGTCTTACTTCTTTCACTG
GTAGTTCAAGCCAGAATCCCCGGAGTTTACAGAGGTGAATCATGGCAAGGTGCC
ATGCCACCTTCTATGGAGGGAGTGATGCCTCTGGCACAATGGGTGGTGCTTGTGG
ATATGGAACTTGTACAGCCAAGGTTACGGAGTTAACACCGCCGCCCTCAGCACG
GCGTTGTTCAACAAAGGGTTCAGCTGCGGGGCGTGCTTCGAGATCAAGTGTTCTA
ACGAACGGCAGTGGTGCCACGCCGGCAGCCCCCTCCATTTTCATCACTGCCACCAA
TTTCTGCCCGCCCACTACGCTCTGCCAAATGACAATGGCGGTTGGTGCAACCCG
CCAAGGTCGCACTTCGACCTAGCCATGCCCATGTTTCTTAAAATAGCCGAATATC
GGGCTGGAATTGTTCCCGTAGTTTACCGGAGAGTGCCATGCAGAAGGCAAGGAG
GCGTAAGGTTACAGATCAATGGATTCCGTTACTTTAACCTGGTTTTTGGTCACCAAC
GTCGCGGGTGCAGGAGATATTGTAAGTAAGCATTAAAGGGGTCGAGAACCGGG
TGGATGAGCATGAGTCGAAATTGGGGCCAAAAGTGGCAATCAAACCTCAGTTTTAG
TTGGTCAATCGCTCTCATTTAGAGTGACCGGTAGTGATCGACGCACCTCCACTTCA
TGGAACATAGCCTCTGCACATTGGCAATTTGGTCAAACCTTTTGTGGAAAGA
ACTTCAGAGTCTGA

Nucleotide

>OeuEXPA-03

ATGGGTTTtagtCGATCTAGTCTGCAACATTGTTTTTCTCGTCTTACTTCTTTCACTG
GTAGTTCAAGCCAGAATCCCCGGAGTTTACAGAGGTGAATCATGGCAAGGTGCC
ATGCCACCTTCTATGGAGGGAGTGATGCCTCTGGCACAATGGGTGTGTA
TCATAAACTATTTCTCATATTACGTTCTGTAGATTTTCCCTTAGAGGTAACAAGT
TTTATGTTCAAGGTGGTGCTTGTGGATATGGAACTTGTACAGCCAAGGTTACGGA

GTTAACACCGCCGCCCTCAGCACGGCGTTGTTCAACAAAGGGTTCAGCTGCGGGG
CGTGCTTCGAGATCAAGTGTTCTAACGAACGGCAGTGGTGCCACGCCGGCAGCCC
CTCCATTTTCATCACTGCCACCAATTTCTGCCCGCCCAACTACGCTCTGCCAAATG
ACAATGGCGGTTGGTGCAACCCGCCAAGGTCGCACTTCGACCTAGCCATGCCCAT
GTTTCTTAAAATAGCCGAATATCGGGCTGGAATTGTTCCCGTAGTTTACCGGAGG
TAATATTCTCGGCCCGTCCCTTTTACTCTTCTGTTTACTTGAGTATAAGTCGTGTTT
GTTACATCGCAAGCATAACCTTCCGAAGTCAAATCAAGTTGTTACGTAGAGAAGTC
ACGAATTTTGTACCAAATACTTGGCTAAATAGCAAAAAAGTTGTGCCATTAACC
TTTGTCCCTTGTTCACAATTGGACATGTGAGACCCTTTTTAGTCTCTTTCAGCTTCA
AATATTTTTTGGAGTCTCCATCAAATCAAATTATTGCAGACCCGGCTCGTTTTGG
AGTATAGATTGCCATCCAAACGAGTAAGGGCATCAAAGGAAATTCAAACAAAAT
GCTCAAAATCGGGTGTGACCATTTCTATTCATCACTTGGAATTTGGTTGTCAAAC
AGTAGAAATTAACCAAGGAAACATCATATCCTTATTTAACAAGAAAAACCCG
AGCCAATCATATCGCTATCGGGACCCACTTTATCGTCATTACATCTTGTCTTTTCG
ATTTTTTTTTTCCATGTAAAATCAGCACCGTTATCCCAAGTGCACGTGAATCAACG
TACTGTAAGTAACCTTTAAACACAATTAACCGTAAATTAACACCAAACATGTGGT
TTTATTATGCAGAGTGCCATGCAGAAGGCAAGGAGGCGTAAGGTTACGATCAAT
GGATTCCGTTACTTTAACCTGGTTTTTGGTCACCAACGTCGCGGGTGCAGGAGATA
TTGTAAAAGTAAGCATTAAAGGGGTCGAGAACCGGGTGGATGAGCATGAGTCGAA
ATTGGGGCCAAAACCTGGCAATCAAACCTCAGTTTTAGTTGGTCAATCGCTCTCATT
AGAGTGACCGGTAGTGATCGACGCACCTCCACTTCATGGAACATAGCCTCTGCAC
ATTGGCAATTTGGTCAAACCTTTTGTGGAAAGAACTTCAGAGTCTGA