

IDENTIFICATION

Species: *Olea europaea*

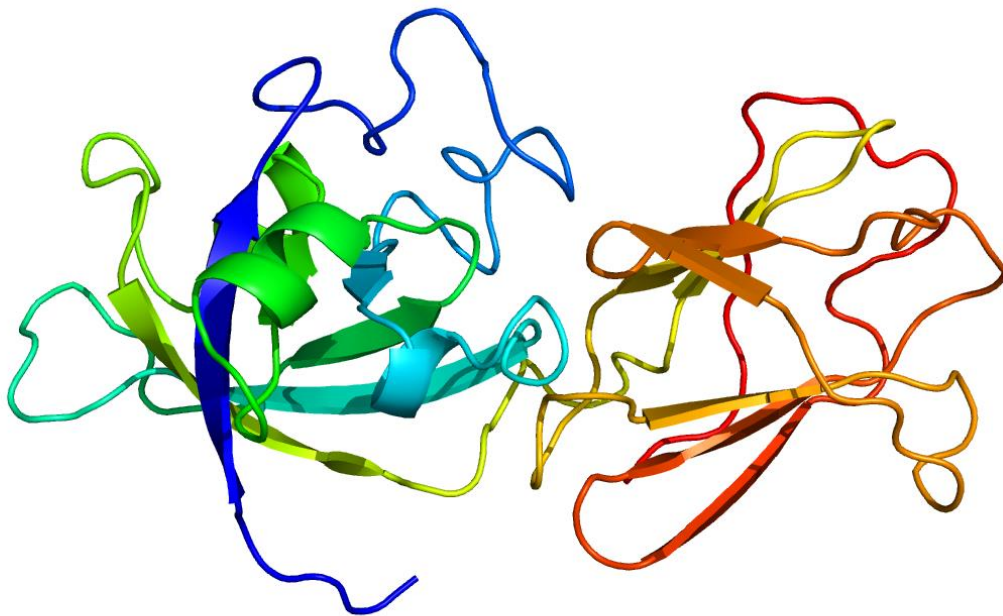
Locus: Oeu010219

Gene Model: Oeu010219.1

Description: OeuEXPA-10

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

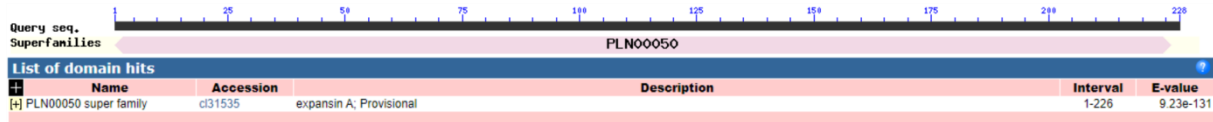
<http://olivegenome.org/>

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>OeuEXPA-10

MVSCAYGYYGGWINAHATFYGGGDASGTMGGACGYGNLYSQGYGTNTAALSTAL
FNNGLSGACFQLVCVNDPQWCLRGSIIVTATNFCPPGGWCDPPNHFFDLSQPVFLRI
AQYRAGIVPVA YRRVPCRRRGGIRFTINGHSYFNLVLITNVGGAGDVHAVFIKGSRTA
WQPMSRNWQNWQSN SYLNGQSLSFKVTTSNGRAVVSYNVAPPNWSFGQTFSGRQ
FR*

CDS (coding sequence)

>OeuEXPA-10

ATGGTGTCATGTGCATATGGCTACTATGGTGGTTGGATTAATGCTCATGCCACCTT
CTACGGAGGCGGTGATGCTTCTGGAACAATGGGTGGCGCATGTGGGTATGGAAA
CCTGTACAGTCAGGGTTATGGA ACTAATACAGCAGCATTGAGTACAGCCCTTTTC
ACAATGGATTGAGTTGTGGTGCATGTTTTCAATTAGTGTGTGTGAATGATCCAC
AATGGTGTCTTCGTGGCAGCATTATTGTTACAGCCACAACTTCTGCCCTCCAGG
GGGTGGTGGCGATCCCCCGAACCACCACTTTGATCTCTCTCAGCCCGTTTTCTTGC
GTATTGCGCAATACAGAGCCGGGATTGTTCCCGTGGCTTACAGAAGGGTACCCTG
CAGGAGAAGGGGTGGCATTAGGTTACCCATCAATGGTCATTCATATTTCAATCTT
GTTCTAATTACCAATGTTGGGGGTGCAGGTGATGTGCATGCAGTGTTTCATCAAGG
GCTCAAGA ACTGCCTGGCAACCAATGTCAAGAACTGGGGCCAAAATTGGCAGA
GTAATTCTTACCTCAATGGACAAAGTTTATCATTTAAGGTTACCACTAGCAATGGT
CGAGCCGTCGTCTTACAACGTTGCCCTCCAACTGGTCTTTCGGCCAACTTT
TTCAGGTCGTCAGTTCGGCTAA

Nucleotide

>OeuEXPA-10

ATGGTGTCATGTGCATATGGCTACTATGGTGGTTGGATTAATGCTCATGCCACCTT
CTACGGAGGCGGTGATGCTTCTGGAACAATGGGTATGTACATACACATAAACATT
TCCCATTTTTGCCTAATCATATTGAATAAAGCTGTTTGTACAGATGAACTGTACAA
GGTAGGTAACCGGTGTTGAGATGTCAACACGATATTGAATATTTTAACTTTATTCT
TTGTCCAACTTCAATGAAATGTTGTTCATCTGACATTCTGTAAATTCATCCGGCAA
ATATGTCCATACATTTAGCATCGTTGAATCATATTTTAAAATTATTTCTCGACCA
CAGAACTACCGAATATTTTATTAGAGATGACCGTTGCTCTCGTTAGTAAGGATTA

GGGTATAATCAATGACATTGTCTTACTTCTTTCTTAATTCTTATAGGTGGCGCATG
TGGGTATGGAAACCTGTACAGTCAGGGTTATGGAAC TAATACAGCAGCATTGAGT
ACAGCCCTTTTCAACAATGGATTGAGTTGTGGTGCATGTTTTCAATTAGTGTGTGT
GAATGATCCACAATGGTGTCTTCGTGGCAGCATTATTGTTACAGCCACAAACTTC
TGCCCTCCAGGGGGTTGGTGCATCCCCGAACCACCACTTTGATCTCTCTCAGCC
CGTTTTCTTGCGTATTGCGCAATACAGAGCCGGGATTGTTCCCGTGGCTTACAGA
AGGTGATCGTCGTGTAGAGTTTGCATTTTCCAATTTTACTCGAGTCAATCCTAAT
GAAGGTCATTTTGTCTTTTAACTGTTTTGTGTAGGGTACCCTGCAGGAGAAGG
GGTGGCATTAGGTTCAACATCAATGGTCATTCATATTTCAATCTTGTTCTAATTAC
CAATGTTGGGGGTGCAGGTGATGTGCATGCAGTGTTTCATCAAGGGCTCAAGAACT
GCCTGGCAACCAATGTCAAGAACTGGGGCCAAAATTGGCAGAGTAATTCTTACC
TCAATGGACAAAGTTTATCATTTAAGGTTACCACTAGCAATGGTCGAGCCGTCGT
CTCTTACAACGTTGCCCTCCAAACTGGTCTTTCGGCCAAACTTTTTTCAGGTCGTC
AGTTCCGCTAA