

IDENTIFICATION

Species: *Olea europaea*

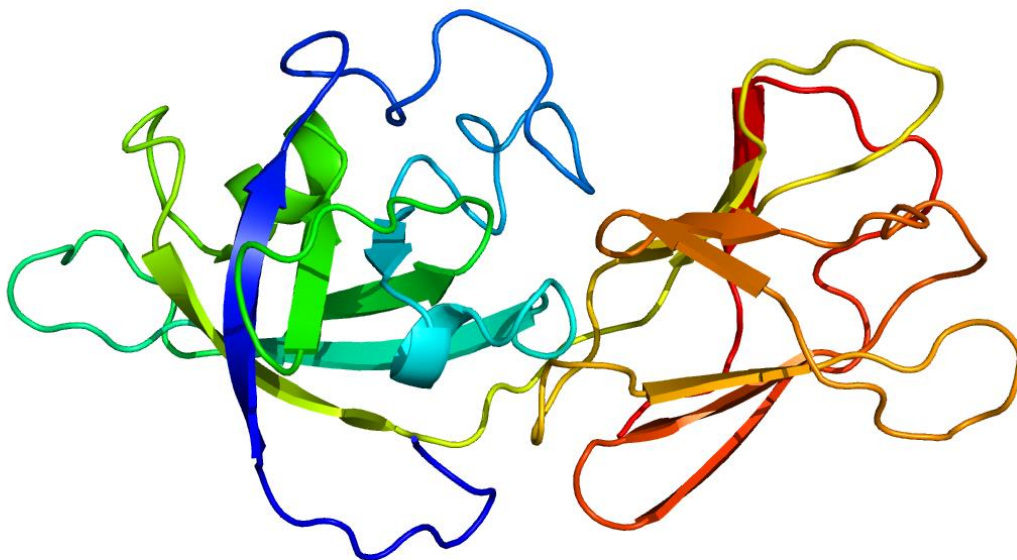
Locus: Oeu014020

Gene Model: Oeu014020.1

Description: OeuEXPA-19

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

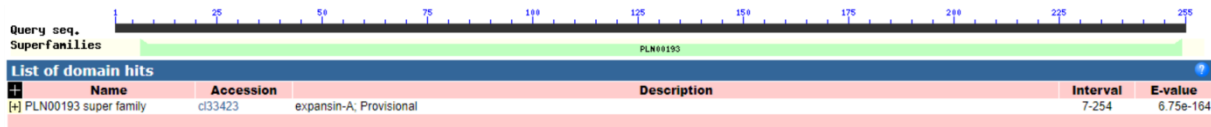
<http://olivegenome.org/>

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>OeuEXPA-19

MATNGILAILLLFSCFVVNASAF TASGWMRAHATFYGGSDASGTMGGACGYGNLYS
TGYGTRTAALSTALFNDGAACGQCYKIICDFKSDSRWCKRGM SVTVTATNFCPPNN
ALPSDNGGWCNPPRQHFDMAQPAWEKIGVYRGGIVPVL YQRPCKKRGGVRFMTN
GRDYFELVMISNVANAGSIQSVQIKGSRTNWM TMSRNWGANWQSN SYLNGQSLSFR
ITTTDRITKTF LNVIPANWGFQTFSSPIQF*

CDS (coding sequence)

>OeuEXPA-19

ATGGCCACCAATGGCATT TTAGCAATATTGCTTTTATTTAGTTGTTTCGTTGTAAA
TGCCAGTGCTTTCACGGCATCTGGATGGATGCGAGCTCACGCAACCTTTTATGGA
GGTAGCGATGCTTCGGGAACAATGGGGGGTGCTTGTGGATATGGTAACTTGTATT
CAACTGGTTATGGGACTAGAACTGCAGCACTGAGCACTGCATTGTTCAATGATGG
AGCAGCCTGTGGACAATGTTACAAGATTATTTGCGATTTTAAGTCCGATTCTCGGT
GGTGCAAGAGAGGAATGTCTGTGACTGTTACGGCGACCAACTTTTGCCCTCCAAA
CAACGCTCTCCCAAGTGACAATGGAGGGTGGTGCAACCCACCCCGTCAGCATTTT
GACATGGCTCAACCCGCTTGGGAAAAGATCGGTGTATACCGAGGGGGAATTGTG
CCCGTGCTCTATCAGAGGGTTCATGCAAGAAGCGTGGTGGAGTTAGATTCACGA
TGAACGGTAGGGATTACTTTGAGCTCGTGATGATTAGCAATGTGGCAAATGCTGG
ATCAATCCAATCAGTGCAAATCAAAGGGTCAAGA ACTAATTGGATGACAATGTCT
CGGAATTGGGGTGCCAATTGGCAATCCAATTCCTTATCTCAATGGCCAATCTTTATC
CTTCAGAATCACTACTACGGATAGAATAACCAAACTTTCTAAATGTAATCCCA
GCAAATTGGGGTTTTGGCCAGACATTTTCATCCCAATTCAGTTCTAA

Nucleotide

>OeuEXPA-19

ATGGCCACCAATGGCATT TTAGCAATATTGCTTTTATTTAGTTGTTTCGTTGTAAA
TGCCAGTGCTTTCACGGCATCTGGATGGATGCGAGCTCACGCAACCTTTTATGGA
GGTAGCGATGCTTCGGGAACAATGGGTAAGTGTGCTTCACTTCTGATGATAAGG
ATTGAGCCCCAGTTGGAGGCTATTTTTTTGGAAAAAATTTGTTTTTTGAACAGTA
AACTTTTGGAGAATGAGTGATTAAAAAGTATGGAAAAATTTTGAGTTTACGTGCA
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TTGAAAGAAGAAGAACTGAATTCTGACATAAAATTTTATGGGTTTGGCCACAGGGGGTG
CTTGTGGATATGGTAACTTGTATTCAACTGGTTATGGGACTAGAAGTGCAGCACT
GAGCACTGCATTGTTCAATGATGGAGCAGCCTGTGGACAATGTTACAAGATTATT
TGCGATTTTAAGTCCGATTCTCGGTGGTGCAAGAGAGGAATGTCTGTGACTGTTA
CGGCGACCAACTTTTGCCCTCCAAACAACGCTCTCCCAAGTGACAATGGAGGGTG
GTGCAACCCACCCCGTCAGCATTGACATGGCTCAACCCGCTTGGGAAAAGATC
GGTGTATACCGAGGGGGAATTGTGCCCGTGCTCTATCAGAGGTATTTACTACTACC
CTAAATTGACTTTGTGAGATCTGAAACTTTGTAGTGACGTTTATTTATTTAAATTT
AGTCTTCACCGAACCATACTTAATATTCTCTATATGATGAAGGGTTCCATGCAAG
AAGCGTGGTGGAGTTAGATTCACGATGAACGGTAGGGATTACTTTGAGCTCGTGA
TGATTAGCAATGTGGCAAATGCTGGATCAATCCAATCAGTGCAAATCAAAGGGTC
AAGAATAATTGGATGACAATGTCTCGGAATTGGGGTGCCAATTGGCAATCCAAT
TCTTATCTCAATGGCCAATCTTTATCCTTCAGAATCACTACTACGGATAGAATAAC
CAAACTTTCTAAATGTAATCCCAGCAAATTGGGGTTTGGCCAGACATTTTCAT
CCCAATTCAGTTCTAA