

IDENTIFICATION

Species: *Olea europaea*

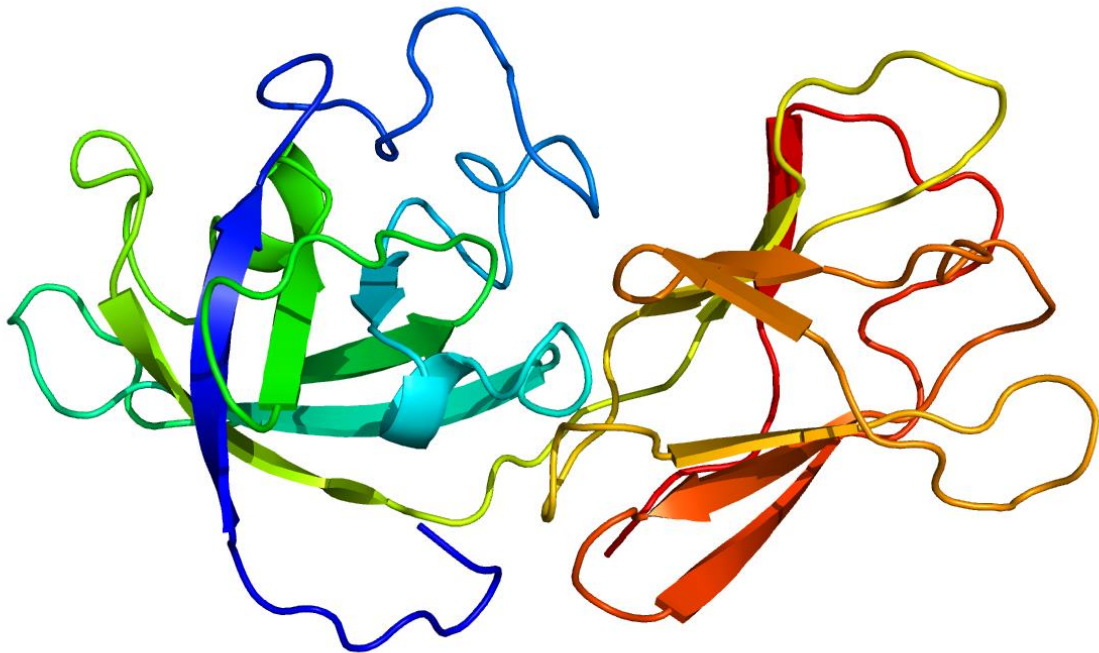
Locus: Oeu021145

Gene Model: Oeu021145.1

Description: OeuEXPA-20

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

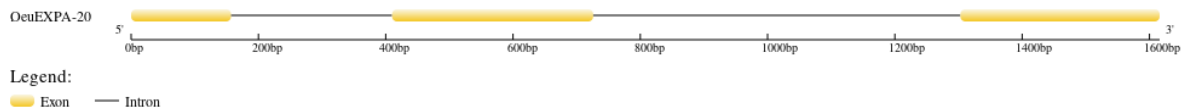
KEGG: <https://www.genome.jp/entry/T05244>

EXTERNAL RESOURCES

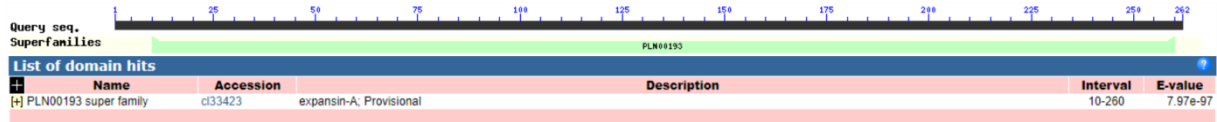
<http://olivegenome.org/>

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>OeuEXPA-20

MAALHSWCFSFFLVM AVLGNATAAYYA AVFRPTAWKQAYATFYGDETA AETMGG
ACGYGNLFSSGYGTATAALSSVLFNNGYGCGQCFQIRC VKSQWCYRGSPI TTITATNL
CPPNWAKDSNNGGWCNPPRTHFDMSKPAFMKIAQWKAGIVPVMFRRVPCVRRGGL
RFTFQGNQYWLLVYVMNVAGGGDIAQMWVKGSKTGWISM SHNWGASYQAFATLG
GQALSFKLTSYTSHETIIAWNVAPSNWQVGLTYS GNVNFH*

CDS (coding sequence)

>OeuEXPA-20

ATGGCAGCTCTTCATTCATGGTGCTTTAGCTTCTTCTTGGTAATGGCAGTATTAGG
CAACGCAACCGCAGCATATTATGCTGCCGTATTCGTCCTACAGCATGGAAACAA
GCCTACGCTACGTTTTATGGCGATGAAACTGCTGCCGAAACAATGGGTGGAGCAT
GTGGGTATGGAAATTTGTT CAGCAGTGGTTATGGTACTGCCACGGCGGCGTTGAG
CTCCGTA CTATTCAACAATGGCTACGGATGTGGCCAATGCTTCCAAATACGGTGC
GTAAAGTCGCAATGGTGCTACAGAGGCTCGCCAATCACCACCATCACGGCCACA
AACCTCTGCCCTCCTAACTGGGCTAAGGACTCGAACAATGGTGGCTGGTGCAACC
CACCTCGAACGCATTTTGACATGTCCAAACCTGCATTCATGAAAATTGCACAGTG
GAAGGCTGGTATTGTACCTGT CATGTTCCGCAGAGTGCCATGTGTTAGGAGAGGC
GGCCTTCGATTCACCTTCCAAGGAAACGGCTACTGGCTGCTCGTGTACGTGATGA
ACGTGGCTGGGGGCGGAGATATCGCACAAATGTGGGTTAAGGGAAGCAAGACAG
GGTGGATAAGCATGAGCCACA ACTGGGGGGCTTCATATCAGGCATTTGCAACTCT
TGGAGGCCAAGCCCTTTCTTTCAAGTTAACTTCATACACATCCCATGAGACTATTA
TTGCATGGAATGTTGCCCTTCCAATTGGCAAGTAGGGTTGACTTATAGTGGTAA
TGTCAACTTTCATTGA

Nucleotide

>OeuEXPA-20

ATGGCAGCTCTTCATTCATGGTGCTTTAGCTTCTTCTTGGTAATGGCAGTATTAGG
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TGACTCATTTAATTATACGTCTCACTTAATGCTACATTAGAGACGTCTAGACTAGT
AATTTAATACTAATAGTGCTAAATAACATTAGCCATATCTTATTGTCGCCTATTTA
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AAATGTCAAATTGCATAAAGGTAATATGCTATATTATTAGAATGACATAGAGACA
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TGGCTACTAGAATCCTTTCTTTATTCTATTTAGATCGGTGCACCAAATGCTACTAA
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TTCTACCAAGATCACATAACACTTGTATATAAGAAACCTACGTTATCTCTAATAA
CAAGTTGACCACTTCAAATTCTGCTTGTAGAGTGCCATGTGTTAGGAGAGGCGGC
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AGGCCAAGCCCTTTCTTTCAAGTTAACTTCATACACATCCCATGAGACTATTATTG
CATGGAATGTTGCCCTTCCAATTGGCAAGTAGGGTTGACTTATAGTGGTAATGT
CAACTTTCATTGA