

IDENTIFICATION

Species: *Olea europaea*

Locus: Oeu006052

Gene Model: Oeu006052.1

Description: OeuEXPA-01

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

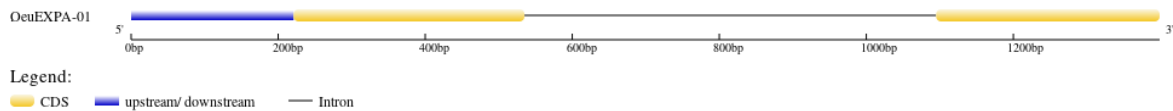
KEGG: <https://www.genome.jp/entry/T05244>

EXTERNAL RESOURCES

<http://olivegenome.org/>

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

GENE STRUCTURE



DOMAIN ARCHITECTURE

Query seq. MGGACGYGNLYSQGYGTNTAALSTALFNNGLSGSCYEMTCSNDAQWCLPGTITVT
Superfamilies PLN00050

Name	Accession	Description	Interval	E-value
PLN00050 super family	cl31535	expansin A, Provisional	1-206	2.20e-116

SEQUENCES

Peptide

>OeuEXPA-01

MGGACGYGNLYSQGYGTNTAALSTALFNNGLSGSCYEMTCSNDAQWCLPGTITVT
ATNFCPPNPGLSNDNGGWCNPPLQHFDLAEPAFLQIAQYRAGIVPVSFRRVPCTKKG
GIRFTINGHSYFNLVLITNVGGAGDVHSVSIKGSNTGWQQMSRNWQONWQSNLYLN
GQSLSFQVTTSDGRTVTTYNIAPGNWQFGQTFEGGQF*

CDS (coding sequence)

>OeuEXPA-01

ATGGGAGGAGCTTGTGGCTATGGCAACTTGTATAGTCAAGGGTATGGCACTAACA
CCGCAGCACTAAGCACTGCTCTGTTCAACAATGGCTTGAGCTGTGGCTCGTGCTA
CGAGATGACTTGCTCCAATGACGCGCAATGGTGCCTCCCGGGGACCATAACCGTC
ACGGCTACAACTTCTGCCCTCCTAACCCTGGCCTGTCTAATGACAATGGTGGGT
GGTGAATCCTCCTCTCCAGCACTTTGATTTGGCTGAGCCTGCTTTCTTGCAGATA
GCCCAATACCGAGCTGGAATTGTTCCGGTTTCATTCCGAAGGGTGCCTGCACAA
AGAAGGGAGGAATAAGGTTTACAATAAATGGGCATTCCTATTTTAACCTTGTATT
GATCACAAACGTTGGTGGTGTCTGGGGATGTCCATTCTGTATCAATCAAGGGTCT
AACACAGGATGGCAGCAGATGTCTAGAACTGGGGGCAAACTGGCAAAGCAAC
TCATACCTCAACGGCCAAAGCCTCTCGTTTCAAGTCACGACCAGTGATGGAAGAA
CTGTCACTACCTACAACATTGCCCCAGGGAATTGGCAATTTGGACAAACATTGA
AGGTGGTCAATTTTAG

Nucleotide

>OeuEXPA-01

ATGGGTATGTGAAATGCTTCTCAATATTATATCCTAAAGACGTGCCAGTACGCCA
TATTGGATAGTAGTATAATTTTTAGCTTATTTTTCTTCATTAGTATTTTACAATCT
ACCTAACAAATAAACCAGAGTTCTTGATTGAACGCTACATTTTATCAAATAAACC
ATATTTTGTCTTGTATAATTCCTAAAGGAAAGAATGTACATTGTTGGTAATGCAG
GAGGAGCTTGTGGCTATGGCAACTTGTATAGTCAAGGGTATGGCACTAACACCGC
AGCACTAAGCACTGCTCTGTTCAACAATGGCTTGAGCTGTGGCTCGTGCTACGAG
ATGACTTGCTCCAATGACGCGCAATGGTGCCTCCCGGGGACCATAACCGTCACGG
CTACAACTTCTGCCCTCCTAACCCTGGCCTGTCTAATGACAATGGTGGGTGGTG
CAATCCTCCTCTCCAGCACTTTGATTTGGCTGAGCCTGCTTTCTTGCAGATAGCCC

AATACCGAGCTGGAATTGTTCCGGTTTCATTCCGAAGGTACTAATCACGTTATAA
TATCATATATAAGAACATATTCTAATACCATAGTCTAAATAGTTGAATAATAAAA
ACCAACTTGCTTGAAAAAAGTCAGTGTAACCTGGGGTCACATGGATTCCAATGG
ACATTAAATGTTCATAAAACATGGAGTAACACCTATCATTGACTATATTAGTTTA
AAATTTTTAAACGAATCCTTAAGTATCATGTCATCTACCCATAGTCGATAGAAGTT
ATAGTGCTTGCTTGTTGATGTAGCGTTACCAAATAACGGCTTGATCGTTGATGTGG
CCGCTACGTCAATGGTGGGCAATTGTTATCCTATCCATTATGAACAGGAGATTAG
CTTCGTTATATGATAATAGATAAGACTAATACTTAGATTTAGTGGGCAATGGAGT
TGAATTACATTATTCAATAGATAAAAATCAAAGAGTTCAAGTTTTGTCGGTGTC
ATTTGTGAAAAATATTACAAAGAAAAGAGACAAAGGTTGCTATGATTAGACCTTC
TGAAAATATATTTCTGATATTATTTTAAATTGTTGATCTTGACAGGGTGCCCTGCA
CAAAGAAGGGAGGAATAAGGTTTACAATAAATGGGCATTCCTATTTAACCTTGT
ATTGATCACAAACGTTGGTGGTGTCTGGGGATGTCCATTCTGTATCAATCAAGGGT
TCTAACACAGGATGGCAGCAGATGTCTAGAACTGGGGGCAAACTGGCAAAGC
AACTCATACCTCAACGGCCAAAGCCTCTCGTTTCAAGTCACGACCAGTGATGGAA
GAACTGTCACTACCTACAACATTGCCCCAGGGAATTGGCAATTTGGACAAACATT
TGAAGGTGGTCAATTTAG