

IDENTIFICATION

Species: *Oropetium thomaeum*

Locus: Oropetium_20150105_13302A

Gene Model: Oropetium_20150105_13302A

Description: OthEXLA-01

Family: Alpha Expansin

3D structure:



GENOME DATABASES

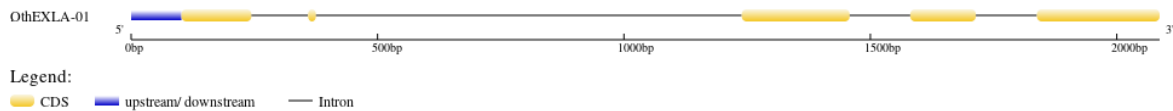
Phytozome: https://phytozome-next.jgi.doe.gov/info/Othomaeum_v1_0

KEGG:-

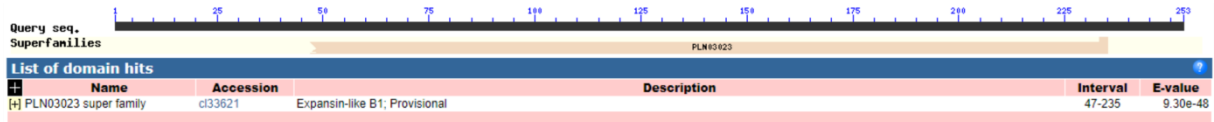
EXTERNAL RESOURCES

-

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>OthEXLA-01

MAAFLAVTVALLVSATFCCSGASAACERCARQGKAAYSPSLPPLPHGGGVCGSNLL
FRGSVPETQVRCRDAKLCSSGGVVRVVLTFHGSNQTDFFLLGGPAFAGLAKPGMAHQ
LNRLEALPVEYRRIPCDYKDKNLSILVEERSKRPSNLVVKFLYQGGQTDILAVDVAQV
GSSDWRFMTRVFGPVWSTDRA PAGPLQFRA VVTGGYDGKWWVAEQEVL PADWRP
GKVYDTGVRIADVAREGCRGCAKLDWK*

CDS (coding sequence)

>OthEXLA-01

ATGGCGGCGTTCCTCGCCGTCACCGTCGCGCTCCTCGTCTCCGCGACCTTCTGCTG
CAGCGGCGCGTCCGCCGCTGCGAGAGGTGCGCGCGGCAGGGGAAGGCAGCGTA
CTCGCCCTCCCTGTCCCCCGCTTCCCCACGGCGGGCAGGAGTCTGCGGTAGTA
TACTTTTCCGTGGATCCGTTCCGGAAACACAGGTGCGATGCAGAGATGCAAAGCT
GTGCAGCAGCGGAGGAGTGCGGGTCTGCTCACC GACTTCCACGGGAGCAACCA
GACG GACTTTCTGCTCGGCGGGCCCGCTTCGCAGGCCTGGCCAAGCCCGGAATG
GCTCACCAGTTGAACAGGCTAGAAGCTCTCCCCGTGGAGTACAGAAGGATTCCAT
GCGACTACAAGGACAAGAACCTGTCGATACTGGTGGAAGAACGGAGCAAACGGC
CAAGCAATCTGGTCGTAAAGTTCTCTACCAGGGCGGCCAAACCGATATCTTGGC
AGTGGACGTCGCTCAGGTGGGGTCTGTCAGACTGGAGGTTTATGACCCGGGTCTT
GGGCCCGTATGGAGCACCGACCGGGCACCCGCAGGCCCGCTGCAGTTCGGGGCC
GTGGTCACCGGCGGATACGACGGCAAGTGGGTCTGGGCCGAGCAGGAGGTGCTG
CCGGCCGACTGGCGGCCCGGCAAAGTCTACGACACCGGCGTCCGGATCGCAGAC
GTGGCAAGGGAGGGGTGCCGAGGCTGCGCCAAGCTGGACTGGAAGTGA

Nucleotide

>OthEXLA-01

CTAACTCTAAGCATAAGCTGCATCGCCATGTTTCATGTGCTAGCCCAAATAGCAAG
TCCTCTCTCTATCTTCCCTCCTCCGATTCCTAGCAAACTCGTTCTCCATGGCGGCGT
TCCTCGCCGTCACCGTCGCGCTCCTCGTCTCCGCGACCTTCTGCTGCAGCGGCGCG
TCCGCCGCTGCGAGAGGTGCGCGCGGCAGGGGAAGGCAGCGTACTCGCCCTCC
CTGTCCCCCGCTTCCCCACGGTAAGCAAAGCAAACCAACACCTCCAGGCCGCCG
ACAGCTGAGACTATAACAACTTAGATCAACACAGACTGACGATTATGCCTGTGT
TGTGCCGTTCTGGTTTCGCGGTGGCAGGCGGGGAGTCTGCGGGTACGGCGCCAT
GGCGGCGGAGATCAATGGCGGCTTCTCGCCGCCGGGGGGCGCAGGCAGCACAG

GGGAGGGCTCGGCTGCGGAAGGTGCTTCCAGGTAACACTACTACTAGTACTAGT
ACTAGTATACTGCTACAGCAGCTACACATCTACATGCCAATTCAGTTCAACCCAC
CAGATTCATTTCATTTTGTTGTGTGCCCAATTATTTTCGCCCAATTTATTTTCGTT
CATACTCTCCCTTACTAGTTTATTATTCTGCTGGCGAGATGTCCCTTTCTTCACAAC
ACTGTTCCCTCGTCTCGAGATTCCTTCAGAGTTCGTGGATTGGGACGTATGCTGCG
AATTTTTTCCTACAAGTACCAAATTCCTGGGAAAAAAGGTTGGGGGACTGCTGTAC
TTTGTGTGTATGCTCCGGTTACGAGGAGCTGTCTAAAGAGTTTGGAGCATGGAAG
CAATCTGTCTGCTAACTCCGGGAGCATCTTATATTATTCCTGTTAGTTGGCCCAGC
CTAATCGACGCACCAGATTAGGAATTTTCTACTCACCTTATTATGGAATGTAGTTC
GATAAACAGGAACTTTTATTTCTAATAAAGTTTAACCAGTAGGGGTTAATCC
CCTCCTGTTTCTTCAAAAAAAAAAAGAAAAAGAAAGAAAGAAAAACTGGAGTGT
GTTTTGTACAATTCTTTCTAGGAAGTGAAGATGCTCTCCTGTTCTGTGTGATTTTC
CTAGTAGTACTATGGTTTCTGCTAGATTTCACTTGTGGGAAGTTAATCAAATTCT
GCTGCTGCCTGAATGTACTTTTCATCCTCTGAGATTAATTCCTCCACTCCAATAT
CTTTGTTTCTGAACTGTAGTAGTAACTTACTTTTCCGTGGATCCGTTCCGGAAACA
CAGGTGCGATGCAGAGATGCAAAGCTGTGCAGCAGCGGAGGAGTGCGGGTCGTG
CTCACCGACTTCCACGGGAGCAACCAGACGGACTTTCTGCTCGGGCGGGCCCGCCT
TCGCAGGCCTGGCCAAGCCCGGAATGGCTCACCAGTTGAACAGGCTAGAAGCTCT
CCCCGTGGAGTACAGAAGGTAGTACTACCCAAAATACTGAAACACGGATGTTTC
TTAGATAGGGATTGAGAGAAAAAAAATATACTATTTCTGAAGTTTTCATGTAAT
CTGAGTATCTGTTTGGCTTGTGGTTTGCAGGATTCCATGCGACTACAAGGACAA
GAACCTGTGATACTGGTGGGAAGAACGGAGCAAACGGCCAAGCAATCTGGTTCGT
AAAGTTCCTCTACCAGGGCGGCCAAACCGATATCTTGGCAGTGGACGTCGCTCAG
GTAACAAACTGAATGAAGAGACCCGATCAAAGCAGAGAATCTTGTTTTTTTTTG
TTTTTAAAAGAAATTACTTTTCGTTTCGTCTAATCAAGAGCTACCATTGTGGACTTGG
TCCATTTGTTTCAGGTGGGGTCGTACAGACTGGAGGTTTCATGACCCGGGTCTTCGGG
CCCGTATGGAGCACCGACCGGGCACCCGCAGGCCCGCTGCAGTTCCGGGGCCGTG
GTCACCGGCGGATACGACGGCAAGTGGGTCTGGGCCGAGCAGGAGGTGCTGCCG
GCCGACTGGCGGCCCGGCAAAGTCTACGACACCGGCGTCCGGATCGCAGACGTG
GCAAGGGAGGGGTGCCGAGGCTGCGCCAAGCTGGACTGGAAGTGA