

IDENTIFICATION

Species: *Oropetium thomaeum*

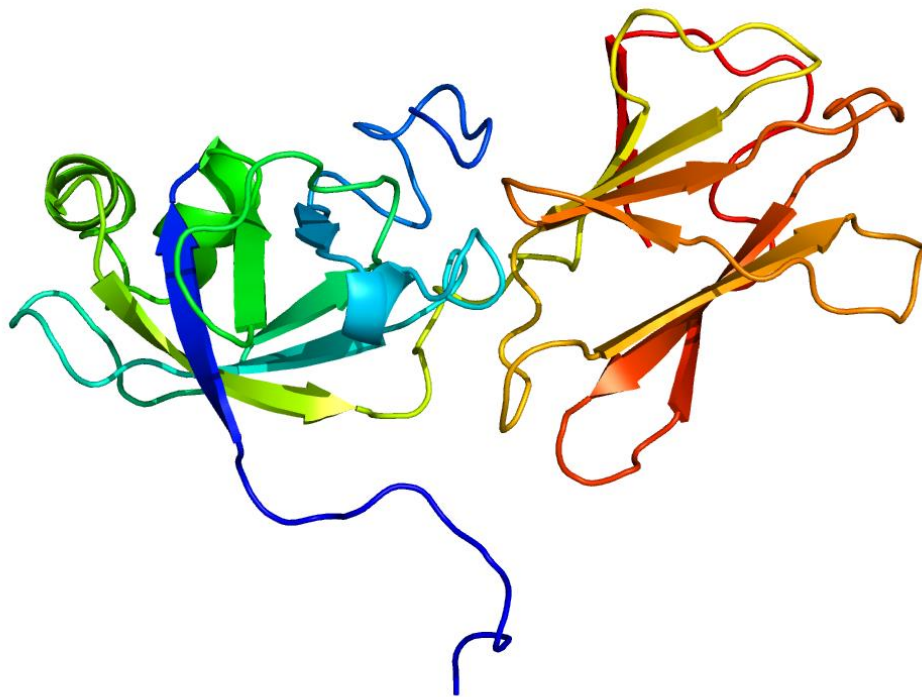
Locus: Oropetium_20150105_21300A

Gene Model: Oropetium_20150105_21300A

Description: OthEXPB-19

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

KEGG:-

EXTERNAL RESOURCES

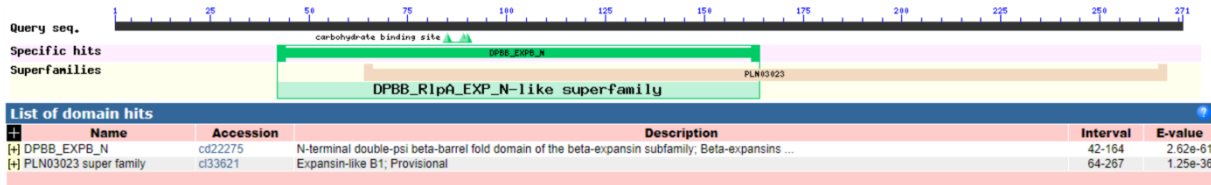
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GENE STRUCTURE



Legend:
Exon

DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>OthEXPB-19

MAQQHHQLALVALVLAATVGGAWCKMGDKPGPNITATYGSKWTEAMATWXXXX
XXXXXXXXXXGACGYKDVDPKPPFDGMTACGNEPIFKDGRGCGSCFEIKCTKPVECS
GEPVLIKITDKNYEHIAPYHLDLSGKAFGAMAKKGQEDKLRKAGELTLQFRRVKCKY
PAGTKITFHVEKGSNEMYLALLVKFVAGDGDIVAVDIKPKGSNEFIPMKLSWGAIWRI
DPKKPLKGPFSIRLTSEGGGHLVQDDVIPADWKPNNTVYTSKLFQAA*

CDS (coding sequence)

>OthEXPB-19

ATGGCGCAGCAGCATCATCAGCTGGCGTTGGTGGCCTTGGTCCTGGCCGCGACGG
TGGGCGGCGCGTGGTGCAAATGGGCGACAAGCCGGGTCCCAACATCACGGCGA
CCTATGGCTCCAAGTGGACAGAGGCCATGGCCACGTGGTACGGCAGCAACCCCC
GTGGCGCCGCCCCGACGACCACGGCGGAGCATGCGGGTACAAGGACGTGGACA
AGCCGCCGTTCGACGGCATGACCGCCTGTGGCAACGAGCCCATCTTCAAGGACGG
CCGGGGCTGCGGCTCCTGCTTCGAGATCAAGTGCACCAAGCCGTCGAGTGCTCC
GGCGAGCCCGTCTCATCAAGATCACCGACAAGAAGTACGAGCACATCGCCCCCT
ACCACTTGGACCTCTCCGGCAAGGCCTTCGGCGCCATGGCCAAGAAAGGCCAGG
AGGACAAGCTGCGCAAGGCAGGGGAGCTCACGCTGCAGTTCCGCCGCGTCAAGT
GCAAGTACCCCGCCGGCACCAAGATTACCTTCCACGTCGAGAAGGGCTCCAACG
AAATGTACCTGGCTCTGCTGGTCAAGTTCGTCGCCGGTGACGGTGACATTGTGCG
CGTGGACATCAAGCCCAAGGGCTCCAACGAGTTCATCCCCATGAAGCTGTGCTGG
GGGGCCATCTGGAGGATCGACCCAAAGAAGCCGCTCAAGGGCCCCCTTCTCCATCC
GCCTCACCTCCGAGGGTGGCGGCCATCTCGTCCAAGACGACGTCATCCCCGCTGA
CTGGAACCAAACACCGTCTACACCTCCAAGCTCCAGTTCGCAGCCTAA

Nucleotide

>OthEXPB-19

ATGGCGCAGCAGCATCATCAGCTGGCGTTGGTGGCCTTGGTCCTGGCCGCGACGG
TGGGCGGCGCGTGGTGCAAATGGGCGACAAGCCGGGTCCCAACATCACGGCGA
CCTATGGCTCCAAGTGGACAGAGGCCATGGCCACGTGGTACGGCAGCAACCCCC
GTGGCGCCGCCCCGACGACCACGGCGGAGCATGCGGGTACAAGGACGTGGACA
AGCCGCCGTTCGACGGCATGACCGCCTGTGGCAACGAGCCCATCTTCAAGGACGG

CCGGGGCTGCGGCTCCTGCTTCGAGATCAAGTGCACCAAGCCCGTCGAGTGCTCC
GGCGAGCCCGTCCTCATCAAGATCACCGACAAGA ACTACGAGCACATCGCCCCCT
ACCACTTGGACCTCTCCGGCAAGGCCTTCGGCGCCATGGCCAAGAAAGGCCAGG
AGGACAAGCTGCGCAAGGCAGGGGAGCTCACGCTGCAGTTCCGCCGCGTCAAGT
GCAAGTACCCCGCCGGCACCAAGATTACCTTCCACGTCGAGAAGGGCTCCAACG
AAATGTACCTGGCTCTGCTGGTCAAGTTCGTCGCCGGTGACGGTGACATTGTGCG
CGTGGACATCAAGCCCAAGGGCTCCAACGAGTTCATCCCATGAAGCTGTCGTGG
GGGGCCATCTGGAGGATCGACCCAAAGAAGCCGCTCAAGGGCCCCTTCTCCATCC
GCCTCACCTCCGAGGGTGGCGGCCATCTCGTCCAAGACGACGTCATCCCCGCTGA
CTGGAAACCAACACCGTCTACACCTCCAAGCTCCAGTTCGCAGCCTAA