

IDENTIFICATION

Species: *Oropetium thomaeum*

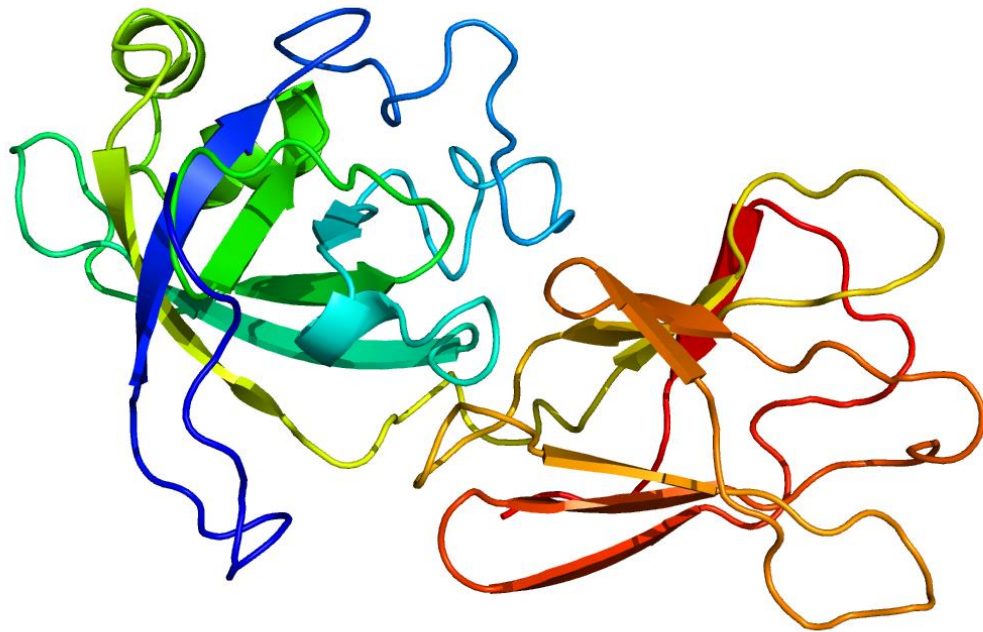
Locus: Oropetium_20150105_08393A

Gene Model: Oropetium_20150105_08393A

Description: OthEXPB-04

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

KEGG:-

EXTERNAL RESOURCES

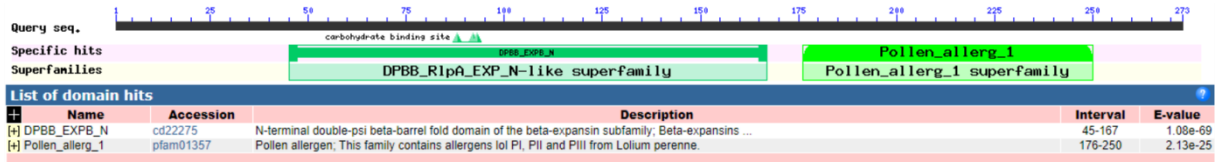
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GENE STRUCTURE



Legend:
Exon

DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>OthEXPB-04

MASSSVRQAQVA AVAVLVSAMIGGAWGAMGDKPGPNITATYGDKWLEAKATFYG
SDPRGAAPDDHGGACGYKDVVDKAPFDGMTACGNEPIFKDGLGCGSCYEIKCKEPAE
CSGEPVLVKITDKNYEHIAPYHFDLSGKAFGSMAKKGEEDKLRKAGELTLEFRRVKC
KLPSGTKIAFHVEKGSNDMYLALLVKFAAGDGNIVAVDIKPKGSDEFLPMKVSWGAI
WRIDPKKKLMGPFSIRLTSESGEHLVQDDVIPADWKPDTVYNSKLQFE*

CDS (coding sequence)

>OthEXPB-04

ATGGCCTCTTCTTCAGTTCGACAAGCGCAGGTCGCGGGCGGTTGCCGTGCTGGTGT
CGGCCATGATCGGCGGGCGCGTGGGGCGCCATGGGTGACAAACCGGGCCCCAACA
TCACAGCAACGTACGGTGACAAGTGGCTGGAGGCGAAGGCCACGTTCTACGGCA
GCGACCCGCGCGGGCGCTGCACCCGACGACCACGGCGGCGCGTGCAGGGTACAAGG
ACGTCGACAAGGCTCCGTTCGATGGCATGACGGCGTGCGGCAACGAGCCCATCTT
CAAGGACGGCCTGGGCTGCGGCTCCTGCTACGAGATCAAGTGCAAGGAACCCGC
CGAGTGCTCCGGCGAGCCTGTGCTCGTCAAGATCACCGACAAGA ACTACGAGCA
CATCGCCCCCTACCACTTCGACCTCTCAGGCAAGGCCTTCGGCTCCATGGCCAAG
AAAGGCGAGGAGGACAAGCTGCGCAAGGCGGGCGAGCTGACGCTGGAGTTCCTGT
CGCGTCAAGTGCAAGTTACCGTCCGGCACCAAGATCGCCTTCCACGTCGAGAAGG
GCTCCAACGACATGTACCTGGCGCTGCTCGTCAAGTTCGCCGCCGGCGACGGCAA
CATCGTCGCCGTGGACATCAAGCCGAAGGGCTCCGACGAGTTCCTGCCCATGAAA
GTGTCGTGGGGCGCCATCTGGAGGATCGACCCCAAGAAGAAGCTTATGGGCCCCCT
TCTCCATCCGCCTACTAGCGAGAGTGGCGAGCATCTCGTCCAAGACGACGTTAT
CCCTGCCGACTGGAAGCCAGACACCGTCTACA ACTCCAAACTCCAGTTCGAATAA

Nucleotide

>OthEXPB-04

ATGGCCTCTTCTTCAGTTCGACAAGCGCAGGTCGCGGGCGGTTGCCGTGCTGGTGT
CGGCCATGATCGGCGGGCGCGTGGGGCGCCATGGGTGACAAACCGGGCCCCAACA
TCACAGCAACGTACGGTGACAAGTGGCTGGAGGCGAAGGCCACGTTCTACGGCA
GCGACCCGCGCGGGCGCTGCACCCGACGACCACGGCGGCGCGTGCAGGGTACAAGG
ACGTCGACAAGGCTCCGTTCGATGGCATGACGGCGTGCGGCAACGAGCCCATCTT
CAAGGACGGCCTGGGCTGCGGCTCCTGCTACGAGATCAAGTGCAAGGAACCCGC

CGAGTGCTCCGGCGAGCCTGTGCTCGTCAAGATCACCGACAAGA ACTACGAGCA
CATCGCCCCCTACCACTTCGACCTCTCAGGCAAGGCCTTCGGCTCCATGGCCAAG
AAAGGCGAGGAGGACAAGCTGCGCAAGGCGGGCGAGCTGACGCTGGAGTTCCGT
CGCGTCAAGTGCAAGTTACCGTCCGGCACCAAGATCGCCTTCCACGTCGAGAAGG
GCTCCAACGACATGTACCTGGCGCTGCTCGTCAAGTTCGCCGCCGGCGACGGCAA
CATCGTCGCCGTGGACATCAAGCCGAAGGGCTCCGACGAGTTCCTGCCCATGAAA
GTGTCGTGGGGCGCCATCTGGAGGATCGACCCCAAGAAGAAGCTTATGGGCCCCT
TCTCCATCCGCCTCACTAGCGAGAGTGGCGAGCATCTCGTCCAAGACGACGTTAT
CCCTGCCGACTGGAAGCCAGACACCGTCTACA ACTCCAAACTCCAGTTCGAATAA