

IDENTIFICATION

Species: *Oropetium thomaeum*

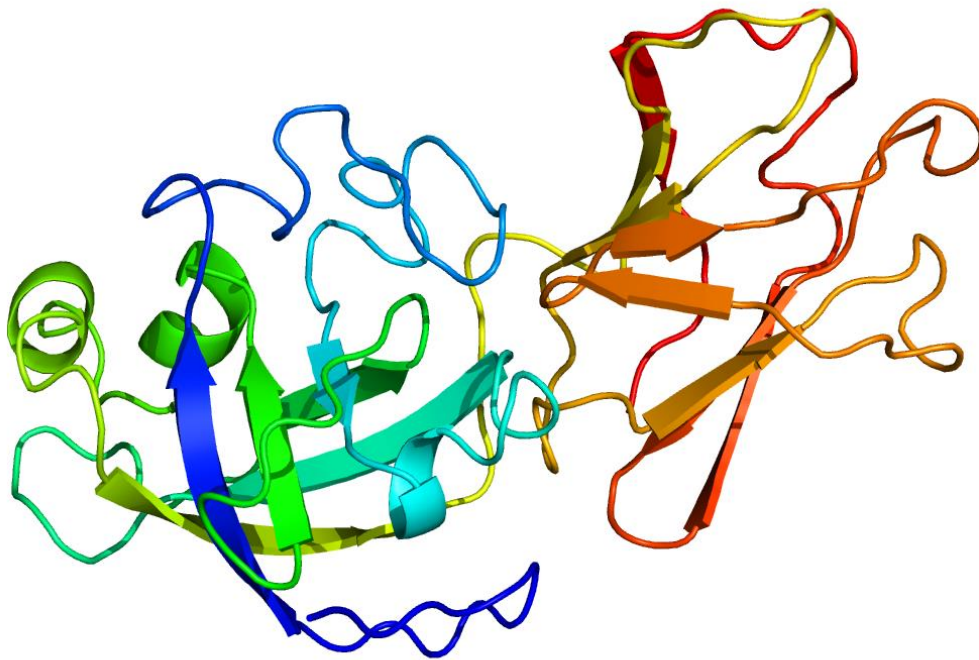
Locus: Oropetium_20150105_21288A

Gene Model: Oropetium_20150105_21288A

Description: OthEXPB-15

Family: Alpha Expansin

3D structure:



GENOME DATABASES

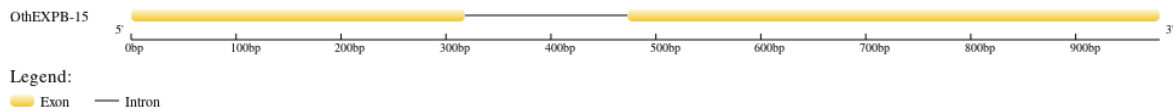
Phytozome: https://phytozome-next.jgi.doe.gov/info/Othomaeum_v1_0

KEGG:-

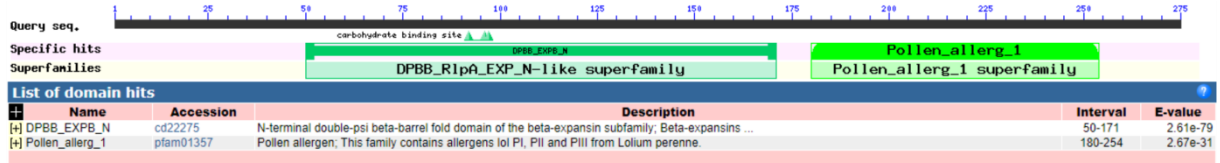
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>OthEXPB-15

MAAAGSSSSLVSSVTLILLSSQSHCSLAAGVDDEVVDGYNTSAAASSQWGTARAT
 WYGRPNGAGPDDNNGGACGFKNVNQYPMAMTSCGNQPLYKDGKGCSCYKVRRCR
 RHPACSGRPETVVITDMNYYPVAPYHFDLSGTAFGKLAKPGRSNELRRAGIIDVQFAR
 VPCEFPGLKVG FHV E EGSNQVYMAVLIEYENG DGDVVQVDLMEAHGRWTAMRQS
 WGSVWRLDSNHRLRAPFSIRIRSDSGKTLVARDVIPVNW RPNTTYRSFVQYS*

CDS (coding sequence)

>OthEXPB-15

ATGGCCGCGCCGGGAGCTCCTCCTCGCTCGTCTCCTCCGTCACCCTGATTCTTCT
 TCTTTCGTCTCAGTCTCACTGCTCTCTCGCCGCCGGCGTGGATGACGAGGTGGACG
 GCTACTACAACACGAGCGCCGCCGCTCCTCCAATGGGGCACCGCGAGGGCGA
 CGTGGTACGGTTCGTCCTCAACGGCGCCGGCCCCGATGACAACGGCGGGCGCTTGCG
 GCTTCAAGAACGTGAACAGTACCCGTTTCATGGCCATGACGTCGTGCGGGAACCA
 GCCGCTGTACAAGGACGGAAGGGATGCGGCTCATGCTACAAGGTCAGGTGCCG
 TCGTACCCTGCTTGCTCCGGCCGGCCTGAGACGGTTGTTATCACTGACATGAACT
 ACTACCCTGTGGCCCCCTACCACTTCGACCTGAGCGGCACGGCGTTCGGCAAGCT
 GGCCAAGCCGGGGCGCAGCAACGAGCTCCGCCGCGCCGGCATCATCGACGTCCA
 GTTCGCCAGGGTGCCCTGCGAGTTCCCGGGACTCAAGGTTGGGTTTCACGTCGAG
 GAAGGCTCGAACCAGGTGTACATGGCGGTGCTCATCGAGTACGAGAATGGCGAC
 GGCGACGTGGTGCAGGTGGACCTCATGGAAGCTCACGGGAGGTGGACGGCGATG
 CGGCAGTCGTGGGGCTCCGTCTGGCGCCTCGACTCCAACCACCGCCTCCGCGCGC
 CTTTCTCCATCCGCATCAGAAGCGACTCCGGCAAGACGCTGGTGGCCAGAGACGT
 CATCCCGTTAACTGGAGGCCAAACACAACATACAGATCATTCGTCCAGTACTCC
 TAG

Nucleotide

>OthEXPB-15

ATGGCCGCGCCGGGAGCTCCTCCTCGCTCGTCTCCTCCGTCACCCTGATTCTTCT
 TCTTTCGTCTCAGTCTCACTGCTCTCTCGCCGCCGGCGTGGATGACGAGGTGGACG
 GCTACTACAACACGAGCGCCGCCGCTCCTCCAATGGGGCACCGCGAGGGCGA
 CGTGGTACGGTTCGTCCTCAACGGCGCCGGCCCCGATGACAACGGCGGGCGCTTGCG
 GCTTCAAGAACGTGAACAGTACCCGTTTCATGGCCATGACGTCGTGCGGGAACCA

GCCGCTGTACAAGGACGGAAAGGGATGCGGCTCATGCTACAAGGTCGGTCGTCT
CTGCCTCAGTCACAAGTGCTTTTTACTAATACAGTGCTAGTAATAGTGGTGATATA
CTGTATCATCTCTGCTTAGTGCTTGCTGGTTCTAGCCTCTAGCTGTTTGATGTTGTT
CCTAATCCTAATCCATGGCGGCATTCATCAGGTCAGGTGCCGTCGTCACCCTGCTT
GCTCCGGCCGGCCTGAGACGGTTGTTATCACTGACATGAACTACTACCCTGTGGC
CCCCTACCACTTCGACCTGAGCGGCACGGCGTTTCGGCAAGCTGGCCAAGCCGGGG
CGCAGCAACGAGCTCCGCCGCGCCGGCATCATCGACGTCCAGTTCGCCAGGGTGC
CCTGCGAGTTCCCGGGACTCAAGGTTGGGTTTCACGTCGAGGAAGGCTCGAACCA
GGTGTACATGGCGGTGCTCATCGAGTACGAGAATGGCGACGGCGACGTGGTGCA
GGTGGACCTCATGGAAGCTCACGGGAGGTGGACGGCGATGCGGCAGTCGTGGGG
CTCCGTCTGGCGCCTCGACTCCAACCACCGCCTCCGCGCGCCCTTCTCCATCCGCA
TCAGAAGCGACTCCGGCAAGACGCTGGTGGCCAGAGACGTCATCCCGGTTAACT
GGAGGCCAAACACAACATACAGATCATTTCGTCCAGTACTCCTAG