

IDENTIFICATION

Species: *Oropetium thomaeum*

Locus: Oropetium_20150105_27747A

Gene Model: Oropetium_20150105_27747A

Description: OthEXPB-17

Family: Alpha Expansin

3D structure:



GENOME DATABASES

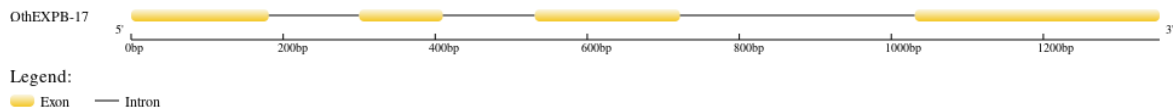
Phytozome: https://phytozome-next.jgi.doe.gov/info/Othomaeum_v1_0

KEGG:-

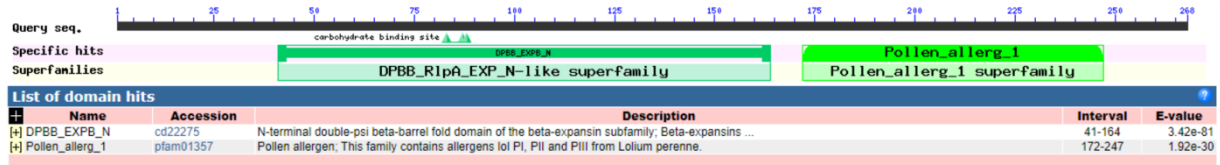
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>OthEXPB-17

MASFSFKVIALAVLVSVLVTHGSCATPVNYSASAFVADPNWESARATWYGAPTGAG
PDDDDGGACGFKHVNLAPFSSMTSCGNQPLYKDGKGCSCYQIKCTNRNHPACSGNP
ETVIITDMNYYPVSKYHFDLSGTAFGALAKPGRNNELRHAGIIDIQFKRVPCNYPGQK
VTFHVEQGSNPVYFAVLVEFEDGDGDVVQVDLMEANSQSWTPMRESWGSIWRLDS
NHRLTAPFSLRVTNESGRKLVASKVIPANWAPNTYYRSISQY*

CDS (coding sequence)

>OthEXPB-17

ATGGCCTCCTTCTCTTTCAAGGTGATCGCACTAGCTGTCCTCGTCTCTGTTCTTGTC
ACCCATGGCTCCTGCGCCACGCCCCTCAACTACAGCGCCTCCGCCTTCGTCGCCG
ACCCCAACTGGGAGTCCGCCAGGGCGACCTGGTACGGCGCGCCCACCGGCGCCG
GCCCTGACGACGACGGTGGTGCCTGCGGATTCAAGCACGTGAACCTGGCGCCGTT
CTCGTCCATGACGTCCCTGCGGCAACCAGCCCCTGTACAAGGACGGCAAGGGCTGC
GGGTCCTGCTACCAGATTAAGTGTACCAACCGGAACCACCCTGCGTGCTCTGGCA
ACCCGGAGACGGTAATCATCACCGACATGAACTACTACCCCGTGTCCAAGTACCA
TTTCGACCTCAGCGGCACAGCCTTCGGCGCCCTGGCCAAGCCCGGCCGCAACAAC
GAGCTACGTCATGCCGGCATCATCGACATCCAGTTC AAGAGAGTGCCCTGCAACT
ACCCTGGCCAGAAGGTGACGTTCCACGTCGAGCAGGGCTCCAACCCTGTCTACTT
CGCGGTGCTTGTGAGTTCGAAGACGGCGACGGCGACGTGGTGCAGGTGGACCT
CATGGAGGCCAACTCACAGTCATGGACGCCGATGCGCGAGTCTTGGGGATCCATC
TGGAGGCTCGACTCCAACCACCGGCTCACCGCGCCCTTCTCGCTGCGCGTCACCA
ACGAGTCCGGCAGGAAGCTGGTGGCCAGCAAGGTCATCCCGGCCAACTGGGCCC
CCAACACTTACTACCGCTCCATCTCCCAATATTAG

Nucleotide

>OthEXPB-17

ATGGCCTCCTTCTCTTTCAAGGTGATCGCACTAGCTGTCCTCGTCTCTGTTCTTGTC
ACCCATGGCTCCTGCGCCACGCCCCTCAACTACAGCGCCTCCGCCTTCGTCGCCG
ACCCCAACTGGGAGTCCGCCAGGGCGACCTGGTACGGCGCGCCCACCGGCGCCG
GCCCTGACGACGACGGTACGTTGTAAGCACGCCATTCTTCCCGTTTGTTCGCG
TCCATCGTTCATCAGATGCATGGCATTCTGTGTTCTTGAGCAGCTTGAACATCCCTT
TCCCTTGACGATGTGCATGCAGGTGGTGCCTGCGGATTCAAGCACGTGAACCTGG

CGCCGTTCTCGTCCATGACGTCCTGCGGCAACCAGCCCCTGTACAAGGACGGCAA
GGGCTGCGGGTCCTGCTACCAGGTAGACGACGTCGTTGTCTGTCTGTTTCGAAAC
GGAAATCGATCGTAAAGCCGAGTAAAGGATAGTTTTGACTAACTATTTTTTGTG
CTTGCTTCTTCTTCTCTGTTTATTTTTTCCCAGATTAAGTGTACCAACCGGAACCAC
CCTGCGTGCTCTGGCAACCCGGAGACGGTAATCATCACCGACATGAACTACTACC
CCGTGTCCAAGTACCATTTCGACCTCAGCGGCACAGCCTTCGGCGCCCTGGCCAA
GCCC GGCCGCAACAACGAGCTACGTCATGCCGGCATCATCGACATCCAGTTCAAG
AGGTGGGTAAACATGCACAGCTCGATCGTGGAACAGACCCACTAGCGCTACAGGC
CAATCTGCTGCCCCTACTTAAATTGATTAATCATAAGTTCGATCTTCGCGTTCTAC
TACTACTACTTGCGTTTGTGACAGACATGGGGCCCTCTTGTTTTTGCTCTAAAAAA
ATTAACAACCTGTGGGTCCCGACAAGTAAATTCTAAGAAATACGTATGCTGTAGCA
CTTCATGTACGTCATAATCTTATCGCCTGCAGTTGTTACTGTACTCAATCCGAACA
GGGGAAGCTAATAACGTAACATGTCACATGCAGAGTGCCCTGCAACTACCCTG
GCCAGAAGGTGACGTTCCACGTCGAGCAGGGCTCCAACCCTGTCTACTTCGCGGT
GCTTGTCGAGTTCGAAGACGGCGACGGCGACGTGGTGCAGGTGGACCTCATGGA
GGCCAACCTCACAGTCATGGACGCCGATGCGCGAGTCCTGGGGATCCATCTGGAG
GCTCGACTCCAACCACCGGCTCACCGCGCCCTTCTCGCTGCGCGTCCACCAACGAG
TCCGGCAGGAAGCTGGTGGCCAGCAAGGTCATCCCGGCGAACTGGGCCCCCAAC
ACTTACTACCGTCCATCTCCAATATTAG