

## IDENTIFICATION

**Species:** *Oropetium thomaeum*

**Locus:** Oropetium\_20150105\_10836A

**Gene Model:** Oropetium\_20150105\_10836A

**Description:** OthEXPB-05

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

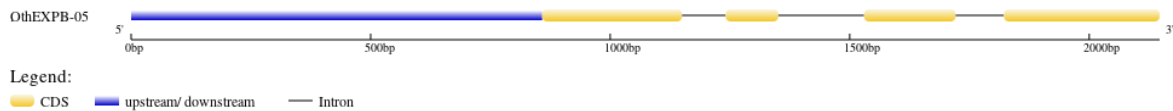
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Othomaeum\\_v1\\_0](https://phytozome-next.jgi.doe.gov/info/Othomaeum_v1_0)

KEGG:-

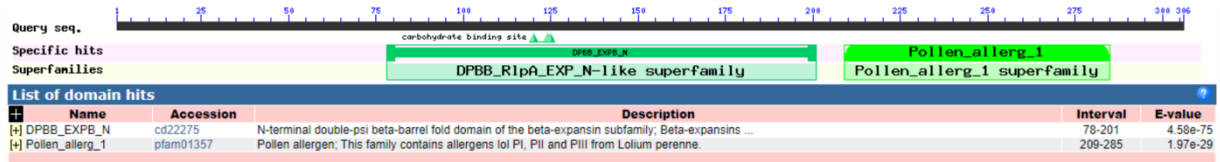
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>OthEXPB-05

MAMSPKQAAALVAVVVVLSVLIASIRKQESKTTSTGNSNPSTAGDSYNPTLGGD  
SYNPTSAGNSYNPASSYNSGWLPAKATWYGAPTGAGPIDNGGACGFKHTNRYPFSS  
MTSCGNPIFKDGGKGCYQIRCLKSSHPACSGMTQTVMITDMNYYYPVATYHFDLS  
GTAFGSLANWGLNEKLRHAGIIDIQFRRVLCNLPGLTINFHVEHGSNPNYLA VLVEYA  
DKEGTVVQVDLMEANSGYWAPMRESWGDIWRMDSYRPLKGPFSFRVRSDSGRTL  
ANNVVPANWQPNFDYRSFVQFN\*

### CDS (coding sequence)

>OthEXPB-05

ATGGCCATGTCCCCAAGCAGGCCGCTGCCCTAGTTGCAGTAGTTGTCGTCTTATC  
CGTGTCATCGCCGTTAGCATCCGCAAACAGCAGGAGAGTAAGACCACCTCCACC  
GGCAACTCTGAGAACCCTACCTCCGCTGGCGACTCCTACAACCCTACCTTGGGCG  
GTGACTCCTACAACCCACCTCTGCTGGCAACTCCTACAACCCTGCCAGCTCCTAC  
AACTCCGGCTGGCTCCCGGCCAAGGCCACCTGGTATGGAGCGCCACCGGTGCCG  
GCCCCATCGACAATGGCGGTGCGTGTGGGTTCAAGCACACCAACCGGTACCCCTT  
CTCGTCCATGACGTCTGTGGCAACGAGCCATCTTCAAGGACGGCAAGGGATGC  
GGCGCATGCTACCAGATACGATGCCTTAAGAGTAGTCACCCTGCCTGCTCCGGCA  
TGACGCAGACGGTCATGATCACCACATGAACACTACTACCCAGTGGCCACATACCA  
CTTCGACCTCAGCGGCACCGCATTCGGCTCCTTGGCCAACTGGGGCCTCAATGAG  
AAGCTCCGCCACGCAGGCATCATCGACATCCAGTTCCGCAGGGTGCTATGCAACC  
TCCCGGGCCTAACTATCAACTTCCACGTGGAGCACGGCTCCAACCCCAACTACCT  
TGCGGTGCTGGTCGAGTACGCCGACAAGGAGGGCACCGTGGTGCAGGTGGACCT  
GATGGAGGCCAACTCTGGCTACTGGGCGCCGATGCGTGAGTCCTGGGGTGACATC  
TGAGGATGGACTCGTACCGCCGCTCAAGGGCCCTTCTCCTTCCGCGTCCGCA  
GCGACTCCGGCAGGACGTTGGTGGCCAAACGTCGTCCCGGCGAACTGGCAGC  
CCAACCTTGACTACCGCTCATTTCGTCCAGTTCAACTGA

### Nucleotide

>OthEXPB-05

ACAGAACATTCCAGGATCAACTAAATTGCACCTAAGCATGCACCTGATCTAAGCA  
TGCAGCAAACGCAAAGACCTGCCAGCTTCATCTGCAATTGTGTAATTTGTTTCAG  
CACTGTGGCAATCACATGCTGAGGAGAAGAAAGATTGTTAATTTGAATAACGAG

GAAATCAATTTGGAAGTAGCAGAGCAAATATGATTTTCTGGTTTCTCGGGTTGCC  
ATGATGGCGTCCTTGTTCTATTTTCAGTTCTTAGCTTCGTGGTGGGACCCTTCGTGG  
CAAGAACTTTATTGATTCCTGTACAGTGTAAAGTTCCCTTTCCCTATACATTTTATT  
TTAAAATCAACAGTAGGGGGCCCCCATGGCCCCATCCCTGTAATCGGATCAAAAA  
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TGATTGAGTACTGGCCCCACTTACTCAGATTATTAGAATTTTCATTGTTGTCATGGT  
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TTACTGTCCTGCAAATAAGATATTCATCTGATTGTGTCAGGTTTCATTTTATAGAG  
GAGATCATTTTCAGTCTTAGCAGTTTTTTTTTTTTTTGGCCTTCAGGTATGAGGATA  
TCTGGGGTGTACACCAGCAGCAGGGAGTGTACTAGCTAGCTCATATTGCCAAGG  
TCGTAGCTAAGCTAGTACAAGGATGGCCATGTCCCCAAGCAGGCCGCTGCCCTA  
GTTGCAGTAGTTGTTCGTCTTATCCGTGCTCATCGCCGTTAGCATCCGCAAACAGCA  
GGAGAGTAAGACCACCTCCACCGGCAACTCTGAGAACCCTACCTCCGCTGGCGAC  
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TGGGGCCTCAATGAGAAGCTCCGCCACGCAGGCATCATCGACATCCAGTTCCGCA  
GGTTCCGTCCGTCATCATCTTTGACATACTATATATCTCCGTGCCATCCAGAAGAC  
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CAACCTCCCGGGCCTAACTATCAACTTCCACGTGGAGCACGGCTCCAACCCCAAC  
TACCTTGCGGTGTGGTTCGAGTACGCCGACAAGGAGGGCACCGTGGTGCAGGTG  
GACCTGATGGAGGCCAACTCTGGCTACTGGGCGCCGATGCGTGAGTCCTGGGGTG  
ACATCTGGAGGATGGACTCGTACCGCCCGCTCAAGGGCCCCTTCTCCTTCCGCGT  
CCGCAGCGACTCCGGCAGGACGTTGGTGGCCAACAACGTCGTCCCGGCGAACTG  
GCAGCCCAACTTTGACTACCGCTCATTCGTCCAGTTCAACTGA