

IDENTIFICATION

Species: *Oropetium thomaeum*

Locus: Oropetium_20150105_21003A

Gene Model: Oropetium_20150105_21003A

Description: OthEXPB-09

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

KEGG:-

EXTERNAL RESOURCES

-

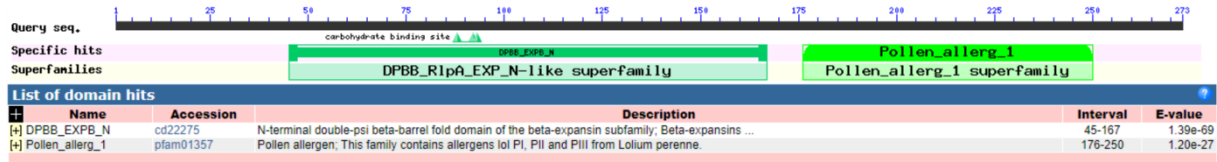
GENE STRUCTURE



Legend:

Exon

DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>OthEXPB-09

MASSSVRQAQLAAVAVLLAAMIGGAWGAMGDKPGPNITATYGDKWLEAKATFYGS
DPRGAAPDDHGGACGYKDVDKAPFDGMTACGNEPIFKDGLGCGSCYEIKCKEPAEC
SGEPVLVKITDKNYEHIAAYHFDLSGKAFGSMAKKGEEDKLRKAGELTLQFRRVKC
KLPSGTKIAFHVEKGSNDMYLALLVKFAAGDGNIVAVDIKPKGSDEFMPMKVSWG
IWRIDPKKPLKGPFSIRVTSESGGHLVQDDVIPADWKPNTVYNSKLQFE*

CDS (coding sequence)

>OthEXPB-09

ATGGCCTCTTCCTCGGTTTCGACAGGCGCAGCTCGCGGCGGTTGCCGTGCTGCTGG
CGGCGATGATCGGCGGGCGCGTGGGGGGCCATGGGCGACAAACCGGGCCCCAACA
TCACGGCGACCTACGGCGACAAGTGGCTGGAGGCGAAGGCTACGTTCTATGGCA
GCGACCCGCGCGGGCGCTGCGCCCGACGACCACGGCGGCGCGTGCAGGGTACAAGG
ACGTGGACAAGGCGCCGTTTCGATGGCATGACCGCGTGTGGCAACGAGCCCATCTT
CAAGGACGGCCTGGGTTGCGGCTCGTGCTACGAAATCAAATGCAAGGAGCCCGC
CGAGTGCTCCGGCGAGCCGGTGCTAGTCAAGATCACTGACAAGA ACTACGAACA
CATTGCCGCCTACCACTTCGATCTCTCCGGCAAGGCCTTCGGCTCCATGGCCAAG
AAAGGCGAAGAGGACAAGCTGCGCAAGGCGGGCGAGCTGACGCTGCAGTTCGGT
CGCGTCAAGTCAAGTTACCGTCCGGCACCAAGATCGCCTTCCACGTTGAGAAGG
GTTCCAACGACATGTACTTGGCGCTGCTCGTCAAGTTCGCCGCAGGTGACGGCAA
CATCGTCGCCGTGGACATCAAGCCGAAGGGCTCCGACGAGTTCATGCCCATGAAG
GTGTCCTGGGGGGCCATCTGGAGGATCGACCCCAAGAAGCCGCTTAAGGGCCCCT
TCTCCATCCGCGTCACTAGCGAGAGTGGCGGCCATCTCGTCCAGGACGACGTCAT
TCCCGCTGACTGGAAGCCAAACACTGTCTACAAC TCCAAACTCCAATTTGAATAA

Nucleotide

>OthEXPB-09

ATGGCCTCTTCCTCGGTTTCGACAGGCGCAGCTCGCGGCGGTTGCCGTGCTGCTGG
CGGCGATGATCGGCGGGCGCGTGGGGGGCCATGGGCGACAAACCGGGCCCCAACA
TCACGGCGACCTACGGCGACAAGTGGCTGGAGGCGAAGGCTACGTTCTATGGCA
GCGACCCGCGCGGGCGCTGCGCCCGACGACCACGGCGGCGCGTGCAGGGTACAAGG
ACGTGGACAAGGCGCCGTTTCGATGGCATGACCGCGTGTGGCAACGAGCCCATCTT
CAAGGACGGCCTGGGTTGCGGCTCGTGCTACGAAATCAAATGCAAGGAGCCCGC

CGAGTGCTCCGGCGAGCCGGTGCTAGTCAAGATCACTGACAAGA ACTACGAACA
CATTGCCGCCTACCACTTCGATCTCTCCGGCAAGGCCTTCGGCTCCATGGCCAAG
AAAGGCGAAGAGGACAAGCTGCGCAAGGCGGGCGAGCTGACGCTGCAGTTCCGT
CGCGTCAAGTGCAAGTTACCGTCCGGCACCAAGATCGCCTTCCACGTTGAGAAGG
GTTCCAACGACATGTA CTGGCGCTGCTCGTCAAGTTCGCCGCAGGTGACGGCAA
CATCGTCGCCGTGGACATCAAGCCGAAGGGCTCCGACGAGTTCATGCCCATGAAG
GTGTCCTGGGGGGCCATCTGGAGGATCGACCCCAAGAAGCCGCTTAAGGGCCCCT
TCTCCATCCGCGTCACTAGCGAGAGTGGCGGCCATCTCGTCCAGGACGACGTCAT
TCCCGCTGACTGGAAGCCAAACACTGTCTACA ACTCCAAACTCCAATTTGAATAA