

IDENTIFICATION

Species: *Oropetium thomaeum*

Locus: Oropetium_20150105_26808A

Gene Model: Oropetium_20150105_26808A

Description: OthEXPB-20

Family: Alpha Expansin

3D structure:



GENOME DATABASES

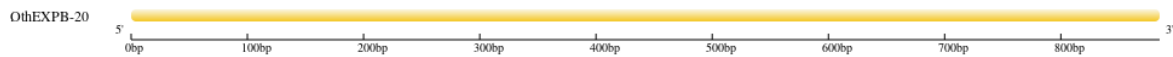
Phytozome: https://phytozome-next.jgi.doe.gov/info/Othomaeum_v1_0

KEGG:-

EXTERNAL RESOURCES

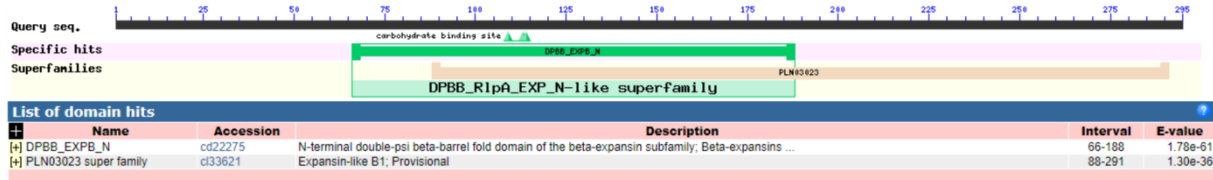
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GENE STRUCTURE



Legend:
Exon

DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>OthEXPB-20

MRGYKTVSPERRGEKTQARNKTEKMAQQHHQLALVALVLAATVGGAWCKMGDKP
GPNITATYGSKWTEAMATWXXXXXXXXXXXXXXXXXGACGYKDVDKPPFDGMTACGN
EPIFKDGRGCGSCFEIKCTKPVECSGEPVLIKITDKNYEHIAPYHLDLSGKAFGAMAKK
GQEDKLRKAGELTLQFRRVKCKYPAGTKITFHVEKGSNEMYLALLVKFVAGDGDIV
AVDIKPKGSNEFIPMKLSWGAIWRIDPKKPLKGPFSIRLTSEGGGHLVQDDVIPADWK
PNTVYTSKLQFAA*

CDS (coding sequence)

>OthEXPB-20

ATGCGCGGGTATAAACTGTCTCGCCGGAGAGGAGAGGAGAGAAGACACAGGCA
AGAAACAAGACAGAAAAAATGGCGCAGCAGCATCATCAGCTGGCGTTGGTGGCC
TTGGTCCTGGCCGCGACGGTGGGCGGCGCGTGGTGCAAATGGGCGACAAGCCG
GGTCCCAACATCACGGCGACCTATGGCTCCAAGTGGACAGAGGCCATGGCCACG
TGGTACGGCAGCAACCCCGTGGCGCCGCCCGACGACCACGGCGGAGCATGC
GGGTACAAGGACGTGGACAAGCCGCCGTTTCGACGGCATGACCGCCTGTGGCAAC
GAGCCCATCTTCAAGGACGGCCGGGGCTGCGGCTCCTGCTTCGAGATCAAGTGCA
CCAAGCCCGTCGAGTGCTCCGGCGAGCCCGTCCTCATCAAGATCACCGACAAGAA
CTACGAGCACATCGCCCCCTACCACTTGGACCTCTCCGGCAAGGCCTTCGGCGCC
ATGGCCAAGAAAGGCCAGGAGGACAAGCTGCGCAAGGCAGGGGAGCTCACGCT
GCAGTTCGCGCGGTCAAGTGCAAGTACCCCGCCGGCACCAAGATTACCTTCCAC
GTCGAGAAGGGTCCAACGAAATGTACCTGGCTCTGCTGGTCAAGTTCGTCGCCG
GTGACGGTGCATTGTGCGCGTGGACATCAAGCCCAAGGGTCCAACGAGTTCAT
CCCCATGAAGCTGTCGTGGGGGGCCATCTGGAGGATCGACCCAAAGAAGCCGCT
CAAGGGCCCCTTCTCCATCCGCCTCACCTCCGAGGGTGGCGGCCATCTCGTCCAA
GACGACGTCATCCCCGCTGACTGGAAACCAAACACCGTCTACACCTCCAAGCTCC
AGTTCGCAGCCTAA

Nucleotide

>OthEXPB-20

ATGCGCGGGTATAAACTGTCTCGCCGGAGAGGAGAGGAGAGAAGACACAGGCA
AGAAACAAGACAGAAAAAATGGCGCAGCAGCATCATCAGCTGGCGTTGGTGGCC

TTGGTCCTGGCCGCGACGGTGGGCGGCGCGTGGTGCAAATGGGCGACAAGCCG
GGTCCCAACATCACGGCGACCTATGGCTCCAAGTGGACAGAGGCCATGGCCACG
TGGTACGGCAGCAACCCCCGTGGCGCCGCCCCGACGACCACGGCGGAGCATGC
GGGTACAAGGACGTGGACAAGCCGCCGTTTCGACGGCATGACCGCCTGTGGCAAC
GAGCCCATCTTCAAGGACGGCCGGGGCTGCGGCTCCTGCTTCGAGATCAAGTGCA
CCAAGCCCGTCGAGTGCTCCGGCGAGCCCGTCCTCATCAAGATCACCGACAAGAA
CTACGAGCACATCGCCCCCTACCACTTGGACCTCTCCGGCAAGGCCTTCGGCGCC
ATGGCCAAGAAAGGCCAGGAGGACAAGCTGCGCAAGGCAGGGGAGCTCACGCT
GCAGTTCCGCCGCGTCAAGTGCAAGTACCCCGCCGGCACCAAGATTACCTTCCAC
GTCGAGAAGGGCTCCAACGAAATGTACCTGGCTCTGCTGGTCAAGTTCGTCGCCG
GTGACGGTGACATTGTCGCCGTGGACATCAAGCCCAAGGGCTCCAACGAGTTCAT
CCCCATGAAGCTGTCGTGGGGGGCCATCTGGAGGATCGACCCAAAGAAGCCGCT
CAAGGGCCCCTTCTCCATCCGCCTCACCTCCGAGGGTGGCGGCCATCTCGTCCAA
GACGACGTCATCCCCGCTGACTGGAAACCAAACACCGTCTACACCTCCAAGCTCC
AGTTCGCAGCCTAA