

IDENTIFICATION

Species: *Eutrema salsugineum*

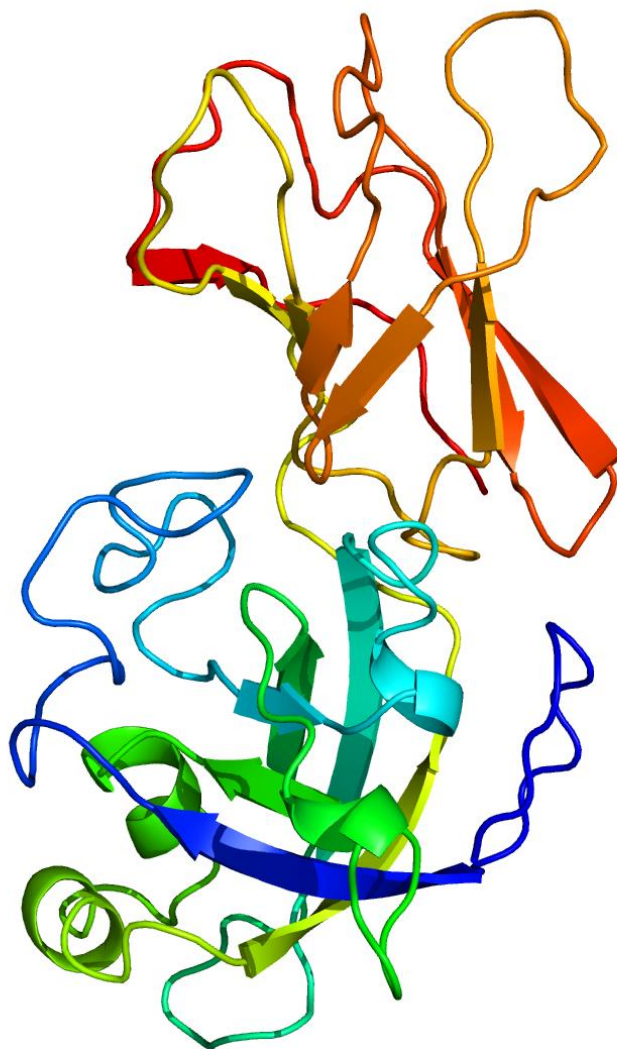
Locus: Thhalv10002071m

Gene Model: Thhalv10002071m

Description: EsEXPB-02

Family: Beta Expansin

3D structure:



GENOME DATABASES

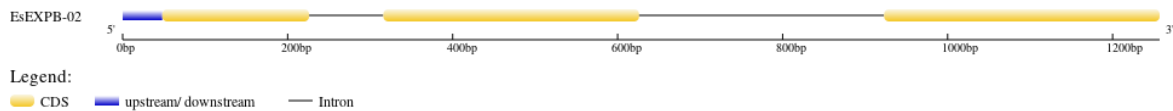
Phytozome: https://phytozome-next.jgi.doe.gov/info/Esalsugineum_v1_0

KEGG: <https://www.genome.jp/entry/T02985>

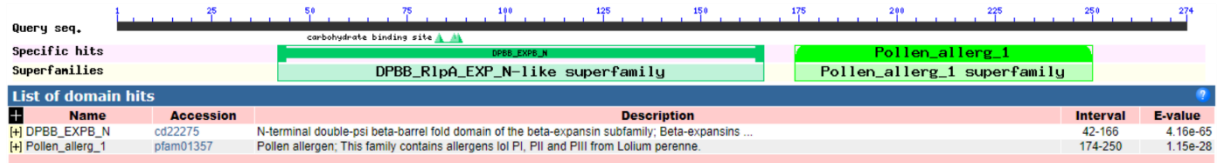
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>EsEXPB-02

MQLLPAILTTLCLVFFLQLLRGGGASASVPTRSTRRVAAPHWLPATATWYGSPEGDG
SSGGACGYGSLVDVKPLKARVGAVSPVLFKSGEGCGACYKVRCLDKTICSKRPVTII
VTDQSPSGPSARANHTHFDLSGAAFGLAIPGHSRLIRNRGLISLLYRRTACKYRGKNI
AFHVNAGSTAYWLSLLIEYEDGEDIGSMHIRQAGSKDWIPMKHIWGANWCIVGGP
LKGPLSVKLTTLNHNKTLNHSATDVIPKNWVPKATYTSRLNFPVL*

CDS (coding sequence)

>EsEXPB-02

ATGCAGCTCCTTCCGGCCATCCTAACGACTCTCTGCCTCGTCTTCTTCTTGCAGCT
GCTTCGAGGAGGAGGCGCCTCTGCCTCCGTCCTACTCGCTCTACTCGCCGCGTG
GCAGCCCCTCATTGGCTCCCCGCCACCGCCACCTGGTACGGAAGTCCCAGGGGAG
ACGGCAGCAGCGGAGGAGCGTGCGGGTACGGGTCGCTGGTGGACGTGAAGCCGT
TGAAGGCAAGAGTGGGAGCGGTGAGTCCGGTGCTGTTCAAGAGCGGCGAAGGAT
GCGGCGCTTGCTACAAGGTCAGGTGCCTCGACAAGACCATCTGCTCCAAGAGACC
CGTCACCATCATCGTCACCGACCAAGTCTCCTTCTGGACCATCCGCTCGTGCCAACC
ACACTCACTTCGACCTCAGCGGCGCCGCTTTGGTCATTTGGCTATTCGCGCCAT
TCCCGCCTCATCCGCAACCGCGGCCTCATCTCCCTCCTCTACCGCCGGACTGCATG
CAAATACAGAGGGAAGAACATAGCGTTCCATGTGAACGCAGGATCAACTGCTTA
TTGGTTATCTTCTCATCGAGTATGAAGACGGAGAAGGTGACATTGGCTCTATG
CACATTCGTCAGGCAGGCTCCAAGGACTGGATACCCATGAAGCACATTTGGGGA
GCCAACTGGTGCATCGTCGGAGGTCTCTCAAGGGACCGTTATCAGTCAAGCTCA
CCACTCTGTCCAATCACAAAACGCTCTCCGCCACCGACGTCATCCCCAAAACCTG
GGTCCCCAAAGCTACTTACACCTCCCGCCTCAACTTCTCCCCTGTCCTCTAA

Nucleotide

>EsEXPB-02

TTTTCTTCAATTTGATTTTTTTGGTTCGGGATAGGTATCGCCGGTGGAAATGCAGCT
CCTTCCGGCCATCCTAACGACTCTCTGCCTCGTCTTCTTCTTGCAGCTGCTTCGAG
GAGGAGGCGCCTCTGCCTCCGTCCTACTCGCTCTACTCGCCGCGTGGCAGCCCC
TCATTGGCTCCCCGCCACCGCCACCTGGTACGGAAGTCCCAGGGGAGACGGCAGC
AGCGGTAATAATTGATTAAGACACAACCTGATAATAAATAAGAAAGAGTTATATATA
TATATAGGCAAATTTGTTTTATTTCGAAATAATAATGCAGGAGGAGCGTGCGGGT

ACGGGTCGCTGGTGGACGTGAAGCCGTTGAAGGCAAGAGTGGGAGCGGTGAGTC
CGGTGCTGTTCAAGAGCGGCGAAGGATGCGGCGCTTGCTACAAGGTCAGGTGCCT
CGACAAGACCATCTGCTCCAAGAGACCCGTCACCATCATCGTCACCGACCAGTCT
CCTTCTGGACCATCCGCTCGTGCCAACCACACTCACTTCGACCTCAGCGGCGCCG
CCTTTGGTCATTTGGCTATTCCCGGCCATTCCCGCCTCATCCGCAACCGCGGCCTC
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TCTTAATTTGCGCTAAAATATAACCAACAACAACCTTATCCATCATTGCTAATGAGT
CCATCGATCATATTCTGTGCATTGGGAGGAGTAAACATATAATTTTTAACTTTAAC
GGCGTTCTTGTTTTTCGATGGTCCCATAGTTTGACCGTTGACTAAATATCACTACAT
GACACACCTCTCCATCTCTGACACACAATTGTCGTCTGTCTGTGCGATTAATTTAT
GATATTTGCTAAATTTGGTTTTGTACCAAAAACAGGACTGCATGCAAATACAGAG
GGAAGAACATAGCGTTCCATGTGAACGCAGGATCAACTGCTTATTGGTTATCTCT
TCTCATCGAGTATGAAGACGGAGAAGGTGACATTGGCTCTATGCACATTCGTCAG
GCAGGCTCCAAGGACTGGATACCCATGAAGCACATTTGGGGAGCCAACTGGTGC
ATCGTCGGAGGTCCTCTCAAGGGACCGTTATCAGTCAAGCTCACCACTCTGTCCA
ATCACAAAACGCTCTCCGCCACCGACGTCATCCCCAAAACCTGGGTCCCCAAAGC
TACTTACACCTCCCGCCTCAACTTCTCCCCTGTCTCTAA