

## IDENTIFICATION

**Species:** *Eutrema salsugineum*

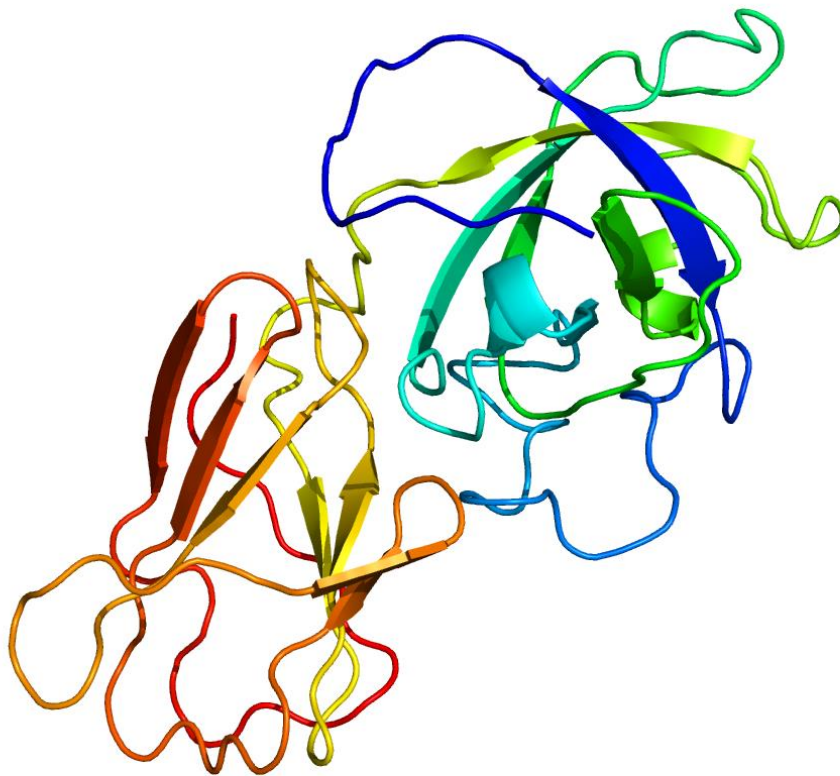
**Locus:** Thhalv10017095m

**Gene Model:** Thhalv10017095m

**Description:** EsEXPA-17

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

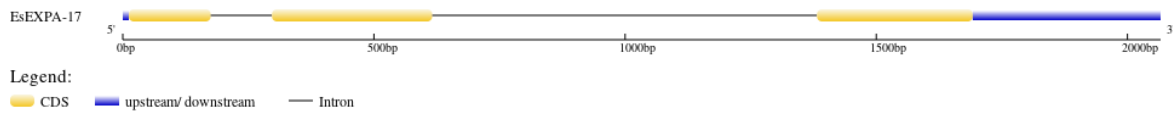
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Esalsugineum\\_v1\\_0](https://phytozome-next.jgi.doe.gov/info/Esalsugineum_v1_0)

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

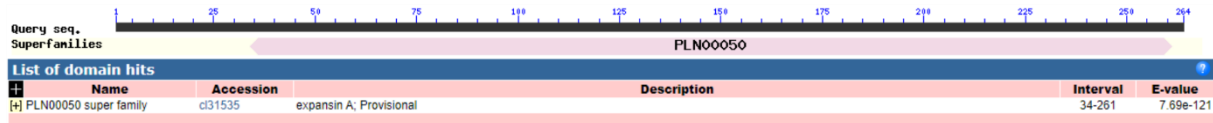
## EXTERNAL RESOURCES

-

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>EsEXPA-17

MAATAFGIRFLWLAVTISFLLAATNAKIPGVYTGPPWQNAHATFYGGSDASGTMGG  
ACGYGNLYSQGYGVNTAALSTALFNNGFSCGACFEIKCTDDPRWCVPGNPSIFVTAT  
NFCPPNFAQPSDDGGWCNPPREHFDLAMPMLKIGLYRAGIVPVSYRRVPCRKLGGI  
RFTVNGFRYFNLVLITNVAGAGDITGVSVKGSKTDWVRMSRNWQNWQSNVAVLIG  
QSLFRVTASDRRSSTSWNVAPATWQFGQTFSGKNFRV\*

### CDS (coding sequence)

>EsEXPA-17

ATGGCGGCGACTGCGTTTGGGATTCGCTTCTTGTGGTTGGCCGTTACGATTCCTT  
TCTGTTAGCCGCTACAAACGCCAAAATCCCCGGCGTTTACACCGGCGGCCCATGG  
CAAACGCACACGCCACTTTCTACGGCGGCAGCGATGCTTCCGGCACCATGGGCG  
GCGCGTGTGGTTACGGGAATTTATACAGCCAAGGATACGGGTGTGAACACGGCGG  
CGCTGAGTACCGCTCTGTTCAACAACGGCTTTAGCTGCGGTGCTTGCTTCGAGATT  
AAGTGTACGGACGACCCGAGGTGGTGTGTCCCGGGAACCCGTCGATTTTCGTGA  
CGGCGACCAACTTTTGTCCGCCGAATTCGCACAGCCGAGTGACGACGGAGGATG  
GTGCAATCCGCCGCGAGAGCACTTCGACCTCGCCATGCCGATGTTCTCAAGATT  
GGTCTGTATCGCGCCGGCATTGTCCCGTCTCTTACCGCAGGGTACCTTGTCGGAA  
GCTAGGAGGGATAAGATTCACAGTAAACGGATTCAGATACTTCAATCTCGTTTTA  
ATAACTAATGTCCCGGCGCCGGAGACATTACCGGAGTGAGCGTCAAGGGTTCA  
AAGACGGATTGGGTGAGGATGAGCCGGAACCTGGGGACAGAATTGGCAGTCCAAT  
GCCGTAATCATCGGCCAATCTCTCTTTCCGAGTCACCGCCTCCGATCGCCGTT  
CTCCACCTCCTGGAACGTCGCTCCTGCCACGTGGCAGTTTGGTCAGACTTTCTCCG  
GCAAAAACCTCCGAGTCTGA

### Nucleotide

>EsEXPA-17

CTCACTGTCTCGATGGCGGCGACTGCGTTTGGGATTCGCTTCTTGTGGTTGGCCGT  
TACGATTCCTTTCTGTTAGCCGCTACAAACGCCAAAATCCCCGGCGTTTACACCG  
GCGGCCCATGGCAAACGCACACGCCACTTTCTACGGCGGCAGCGATGCTTCCGG  
CACCATGGGTACGTATCTACTCTGCCTTACCAAAAATCCATCATTATCAATACAC  
AATACGATTCCTAATAACAATATGTTTTCTTCTCTCTCTGTTTTGTTGTATTCTG  
CGCGTGGGGTTTTGAAAGGCGGCGCGTGTGGTTACGGGAATTTATACAGCCAAGG  
ATACGGTGTGAACACGGCGGCGCTGAGTACCGCTCTGTTCAACAACGGCTTTAGC

TGCGGTGCTTGCTTCGAGATTAAGTGTACGGACGACCCGAGGTGGTGTGTCCCGG  
GAAACCCGTCGATTTTCGTGACGGCGACCAACTTTTGTCCGCCGAATTCGCACA  
GCCGAGTGACGACGGAGGATGGTGC AATCCGCCGCGAGAGCACTTCGACCTCGC  
CATGCCGATGTTCCCTCAAGATTGGTCTGTATCGCGCCGGCATTGTCCCCGTCTCTT  
ACCGCAGGTC ACTTGCTTCTTTCCCTTTCTTCTTCCCTCTTTCCGTTCTTTTCCAACCA  
CCGTTTCTGTTTTGTCGGTTTTCCATAAATAGCTGAATTAATAAGAAATTAGCTGTG  
TAGTTAAATCATATACTGTATTAATACGGTGAAAAAATTACACAAAGAAAGTTTA  
GTAAAAGGTGCATACCAACTTTTGTAGATTA AATTATGTTTAGGAGATAATATGA  
AGAATAGTTATGTGTTTATATAAATGGGATGTTTAATATCTAATTATTATGCTAAG  
AGACACTCGTTAAAAAATAACAAGCCAGAAAAATAATATTTTATAAAAATAC  
GAGACATGTTATTATCCCTGAGTTTTTCATATAGTTATGTGTTTATACAAATGGGA  
TGTTTAATATCTAATTATTATGCTAAGAGACTCGTTAAAAAATAACAAGACA  
GAAAAATAATATTTTATAAAAATACGAGGACATGTTATTATCCCTGAGTTTGTGTC  
CTCTAGGCTTCTGTCACTTTTGGAAAACGGCCTATGTTTTTCAGACTTCAGAACT  
TAAAAACATCACACTCAACTTTTGTGTTCTCTCTTAGACAATTTAAATAATTTA  
TTTTAGAAGGGA ACTAATTTATTTTATCCATTTATCTTTTCGGGAAAACAAGCAG  
GACATGTTCTCCAGTATCCCAGAGATGCATCTCTCTCTCTCCGTCTCTTGTCTTTT  
TGTAATAATTGTCTGATTCTGTTCGTGTCTTCTGTGTTCCCTCTTCAGGGTACCTTG  
TCGGAAGCTAGGAGGGATAAGATTCACAGTAAACGGATTCAGATACTTCAATCTC  
GTTTTAATAACTAATGTTCGCCGGCGCCGGAGACATTACCGGAGTGAGCGTCAAGG  
GTTCAAAGACGGATTGGGTGAGGATGAGCCGGA ACTGGGGACAGAATTGGCAGT  
CCAATGCCGTACTCATCGGCCAATCTCTCTCTTTCCGAGTCACCGCCTCCGATCGC  
CGTTCCTCCACCTCCTGGAACGTGCTCCTGCCACGTGGCAGTTTGGTCAGACTTT  
CTCCGGCAAAA ACTTCCGAGTCTGA ACTATAAGATCAACGGTCTCATTTAATGAA  
AACACCAATACTCAGATGTCATTGTTATTTCCCTTTTTAAA ACTTTTAATATGAGAG  
ATAAAGGAAAAGCAATTTTCCCGCCCTGGGTTTTCTCTAAATTTTCTTGGGAAAAT  
TTCTGGTGGCTTTGGGAAAATGTTTCCTTTTTTTTTGTTTTAGGAAGAGGATTCCTTT  
TAATGTTTGTGATTGCGAATTTGCAAGTGATTTGTTTTGTTTGTGTTTTTTTATC  
GTTTTGTTGTTATGGCATCTCTGCTAATACAGATAGGACCGTTGTGTGCTCGACCA  
ATATGTAACGGGCCATTGGGCCAAGTTAGGAATATTTTGTTCCTTCTTAAGGTTAG  
TAATTC