

## IDENTIFICATION

**Species:** *Brachypodium sylvaticum*

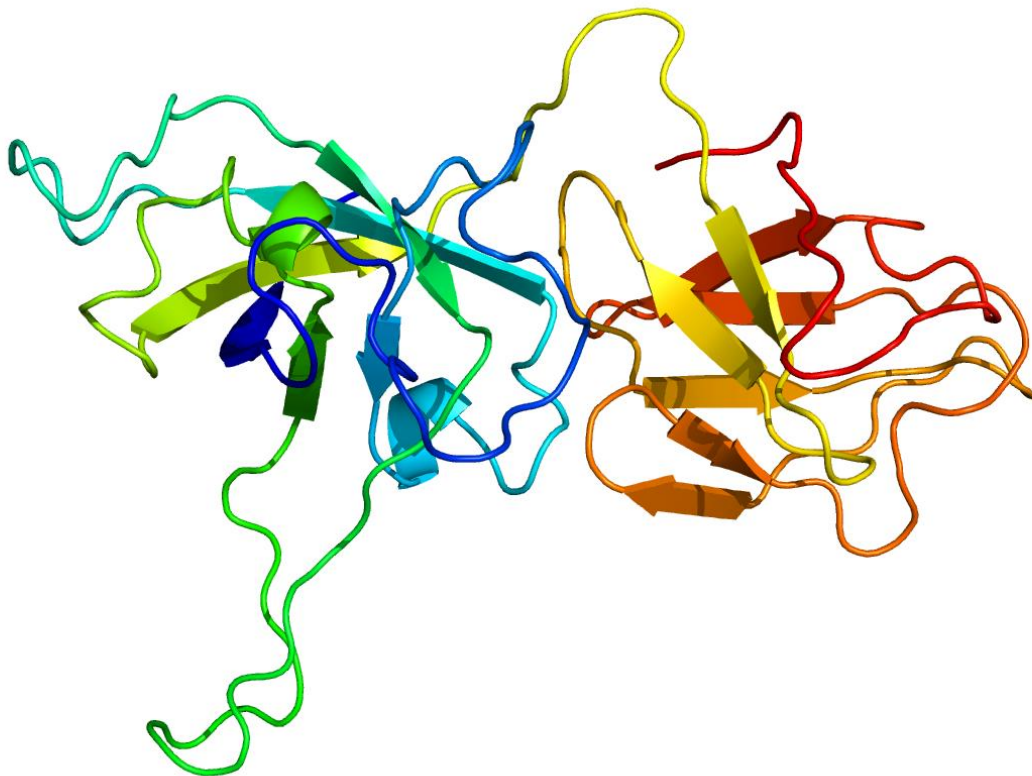
**Locus:** Brasy3G161500

**Gene Model:** Brasy3G161500.1.p

**Description:** BsyEXPA-13

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

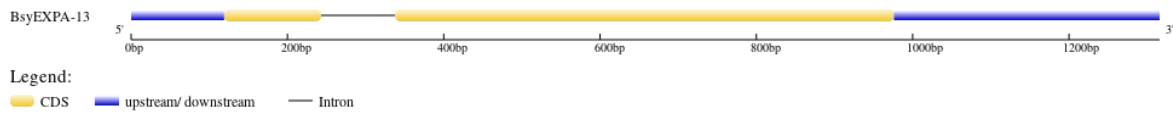
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Bsylvaticum\\_v1\\_1](https://phytozome-next.jgi.doe.gov/info/Bsylvaticum_v1_1)

KEGG:-

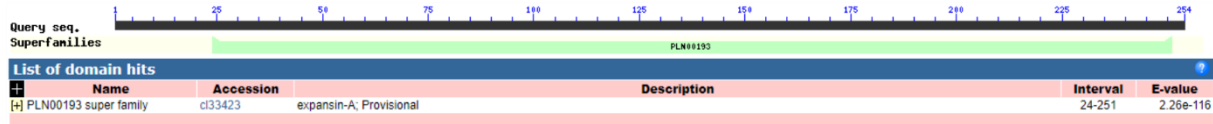
## EXTERNAL RESOURCES

<http://jaiswallab.cgrb.oregonstate.edu/genomics/brasy>

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>BsyEXPA-13

MGTPTKVMLLALLALCIESAVADWSKGTATFYGGQDASGTMGGACGYQNLVDQGY  
GVNNAALSTALFNDGASCGQCYLMCDASSTGWCRAGYSTVTVTATNLCPNWLPL  
NNGGWCNPPRPHFDMSQPAWLQIGIYKAGIPILYQQVRCWRQGGIRFSIAGFNYYE  
LVLVTNVGGSGSIRAMS VKGSNTGWIPMTRNWGANWQSTSALVGQALSFMVTSTG  
GQTLYLNNVVPYWWTFGSTTYTSNNQFDY\*

### CDS (coding sequence)

>BsyEXPA-13

ATGGGCACACCAACGAAGGTGATGCTCTTGGCTCTCTTGGCACTCTGCATCGAGT  
CGGCAGTGGCCGACTGGAGCAAGGGGACGGCCACGTTCTACGGCGGCCAGGACG  
CCTCCGGCACGATGGGTGGCGCTTGCGGGTACCAGAACCTGTACGACCAGGGGT  
ACGGCGTGAACAACGCGGGCGCTGAGCACGGCGCTGTTCAACGACGGCGCGTCGT  
GCGGGCAGTGCTACCTGATCATGTGCGACGCCAGCAGCACCGGCTGGTGCAGGG  
CCGGCTACAGCACGGTCACCGTCACGGCCACCAACCTGTGCCCGCCCAACTGGGC  
GCTCCCAACAACAACGGCGGCTGGTGCAACCCGCCCGCCCGCACTTCGACATG  
TCGCAGCCCGCGTGGCTCCAGATCGGCATCTACAAGGCCGGCATCATCCCCATCC  
TCTACCAGCAGGTCAGGTGCTGGAGGCAGGGCGGGATCCGGTTCAGCATCGCCG  
GGTTCAACTACTACGAGCTGGTGCTCGTCACCAACGTCGGCGGCAGCGGCTCCAT  
CAGGGCCATGTCCGGTCAAGGGCTCCAACACCGGGTGGATCCCCATGACCAGGAA  
CTGGGGCGCCAACCTGGCAGTCCACCTCGGGCGCTCGTCGGCCAGGCGCTCTCCTC  
ATGGTCACCTCCACCGGCGGACAGACGCTCTACCTCAACAACGTCGTGCCCTACT  
GGTGGACATTCGGCTCCACCACCTATAACCAGCAACAATCAGTTTGACTATTGA

### Nucleotide

>BsyEXPA-13

ATCCAACGAACAGCTGCACTCTCTTCTCTTCCCACGTATTCTCCACATCAATCCTA  
GGTAGCTAGTTAGATCCCTTGTTGCTTCAAGATCTACTTCAGCCACCGGTGATCGT  
TTCGGAGATGGGCACACCAACGAAGGTGATGCTCTTGGCTCTCTTGGCACTCTGC  
ATCGAGTCGGCAGTGGCCGACTGGAGCAAGGGGACGGCCACGTTCTACGGCGGC  
CAGGACGCCTCCGGCACGATGGGTACGCGCTCCGGCCAGCCGGTAACTTCTCTC  
CGACCGACCGCTAGCTAGCTAACATTGATGTTGTTTGCATGCAACGCGTATGTTG

TGTTTCAGGTGGCGCTTGCGGGTACCAGAACCTGTACGACCAGGGGTACGGCGTGA  
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AGGTCAGGTGCTGGAGGCAGGGCGGGATCCGGTTCAGCATCGCCGGGTTCAACT  
ACTACGAGCTGGTGCTCGTCACCAACGTCGGCGGCAGCGGCTCCATCAGGGCCAT  
GTCGGTCAAGGGCTCCAACACCGGGTGGATCCCCATGACCAGGAAGTGGGGCGC  
CAACTGGCAGTCCACCTCGGCGCTCGTCGGCCAGGCGCTCTCCTTCATGGTCACC  
TCCACCGGCGGACAGACGCTCTACCTCAACAACGTCGTGCCCTACTGGTGGACAT  
TCGGCTCCACCACCTATACCAGCAACAATCAGTTTGACTATTGATCGATCCATAT  
ATATATATTCTTCCACGATCCATATATATTCTCCATCATCGTGCAGCCAGTGGTGC  
CATGGTGC ACTACTGACAGATTAATTGTTTTGGTTTGACTTAATGGCGCATGCAAT  
GTGGGGTGATCTGGATTTTGATCTGTAATTCGAGTATTATAAGTTAATAAATGTGC  
TTCCGATTTTTATTTGTAAACCCAGGTGTCGGTTCAGATGTTTTACCGTGCTATT  
GTACATCTGTTTCGAATCAGAGACAGACCATGGAGTTTTACTTACTCTTGTTTTAC  
AGCAGTTATTTTCTTCTTTGATCTTACATTCGATACTTCTCTCATCTTA