

## IDENTIFICATION

**Species:** *Brachypodium sylvaticum*

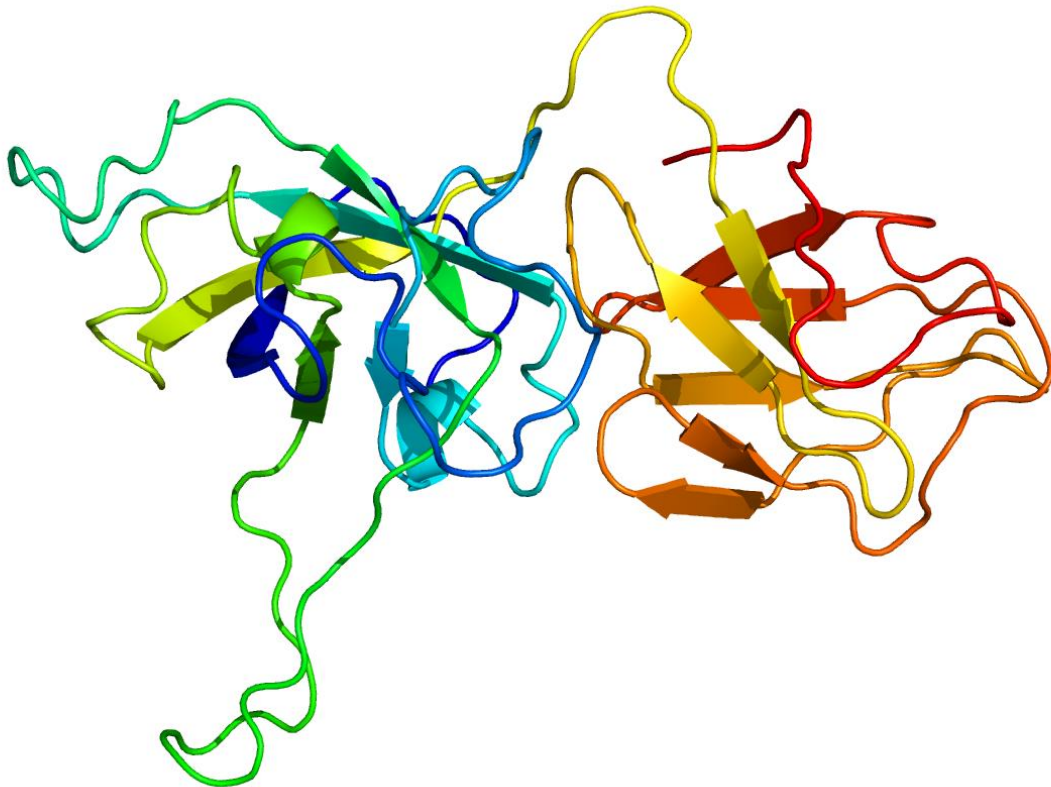
**Locus:** Brasy3G161300

**Gene Model:** Brasy3G161300.1.p

**Description:** BsyEXPA-11

**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:-

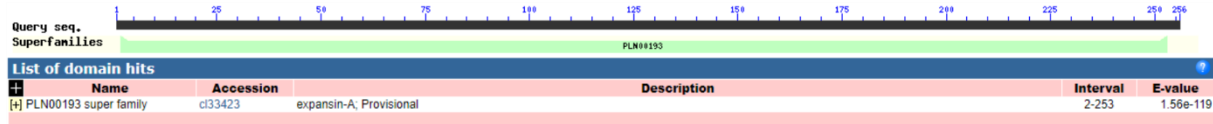
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>BsyEXPA-11

MATSMAKWLALCAPVLAALAATCAADWSPATATFYGEPDGSMTMGACGYGNLY  
DQGYGINNAALSTVLFNDGASCGQCFIIMCDASKTGWCKPGYGTVTVSATNLCPPN  
WALPNDNGGWCNPPRQHFDMSQPAWETIGIYRAGIVPPLYQRVKCWRTGGVRFITIA  
GFNYFELVLITNVGGSGSVASMSIKGSNTGWIQMSRNWGANWQCLAGLAGQALSFS  
VTTTGGQNLVFDNVAPAWWQFGQTFGTYKQFDY\*

### CDS (coding sequence)

>BsyEXPA-11

ATGGCCACGAGCATGGCAAAGTGGCTGGCTCTCTGCGCGCCGGTTCTCGCGGCTT  
TAGCCGCGACGTGCGCGGCGGATTGGTCACCGGCGACCGCGACGTTCTACGGCG  
AGCCCGACGGGTCCGGGACGATGGGCGGCGCGTGCGGGTACGGGAACCTGTACG  
ACCAGGGTTACGGCATCAACAACGCGGCGCTGAGCACGGTGCTGTTCAACGACG  
GCGCGTCCTGCGGGCAGTGCTTCATCATCATGTGCGACGCCAGCAAGACCGGGTG  
GTGCAAGCCCGGCTACGGCACCGTCACCGTGTCGGCGACCAACCTGTGCCCGCCC  
AACTGGGCGCTCCCCAACGACAACGGCGGTTGGTGCAACCCGCCGCGGCAGCAC  
TTCGACATGTGCGAGCCGGCCTGGGAGACCATCGGCATCTACCGTGCCGGCATCG  
TGCCCGTGCTCTACCAGCGGGTCAAGTGCTGGCGCACGGGCGGGGTCCGGTTCAC  
CATCGCCGGGTTCAACTACTTCGAGCTCGTGCTCATCACCACGTCGGCGGCAGC  
GGCTCCGTGGCCAGCATGTCCATCAAGGGGAGCAACACCGGGTGGATCCAGATG  
TCGAGGAAC TGGGGTGCCA ACTGGCAGTGTCTCGCGGGGCTTGCCGGGCAGGCG  
CTCAGCTTCAGCGTGACCACCACCGGCGGGCAGAACCTGGTCTTCGACAACGTCG  
CGCCGGCCTGGTGGCAGTTCGGCCAGACGTTTCGGCACCTACAAGCAGTTCGACTA  
CTGA

### Nucleotide

>BsyEXPA-11

CCAAAAACAGCAAATCCACAAGTACTCTTTTGACATAGATACATACATGGCCA  
CGAGCATGGCAAAGTGGCTGGCTCTCTGCGCGCCGGTTCTCGCGGCTTTAGCCGC  
GACGTGCGCGGCGGATTGGTCACCGGCGACCGCGACGTTCTACGGCGAGCCCGA  
CGGGTCCGGGACGATGGGCGGCGCGTGCGGGTACGGGAACCTGTACGACCAGGG  
TTACGGCATCAACAACGCGGCGCTGAGCACGGTGCTGTTCAACGACGGCGCGTCC

TGCGGGCAGTGCTTCATCATCATGTGCGACGCCAGCAAGACCGGGTGGTGCAAGC  
CCGGCTACGGCACCGTCACCGTGTGCGCGACCAACCTGTGCCCCGCCAACTGGGC  
GCTCCCCAACGACAACGGCGGTTGGTGCAACCCGCCGCGGCAGCACTTCGACATG  
TCGCAGCCGGCCTGGGAGACCATCGGCATCTACCGTGCCGGCATCGTGCCCGTGC  
TCTACCAGCGGGTCAAGTGCTGGCGCACGGGCGGGGTCCGGTTCACCATCGCCGG  
GTTCAACTACTTCGAGCTCGTGCTCATCACCAACGTCGGCGGCAGCGGCTCCGTG  
GCCAGCATGTCCATCAAGGGGAGCAACACCGGGTGGATCCAGATGTCGAGGAAC  
TGGGGTGCCAACTGGCAGTGTCTCGCGGGGCTTGCCGGGCAGGCGCTCAGCTTCA  
GCGTGACCACCACCGGCGGGCAGAACCTGGTCTTCGACAACGTCGCGCCGGCCTG  
GTGGCAGTTCGGCCAGACGTTCCGGCACCTACAAGCAGTTCGACTACTGACACATG  
CATGGATCATGTGTATAGACCGAGTGC ACTATATATGTTTTGTTCTTGCGTTTCCA  
TCACATAGTCATATACCACATGTATGTTCTGTACAAAAGCACACAATTTGTTAGT  
GCGTTACATTGGCATTATACCATTATTAATTGGATGTCCTGGAGCTCGGCATGTC  
TCACTTAACATCGGACTTTTCCGAATTACCAACATTGAATCAAGCCATCTTTCTA