

## IDENTIFICATION

**Species:** *Brachypodium sylvaticum*

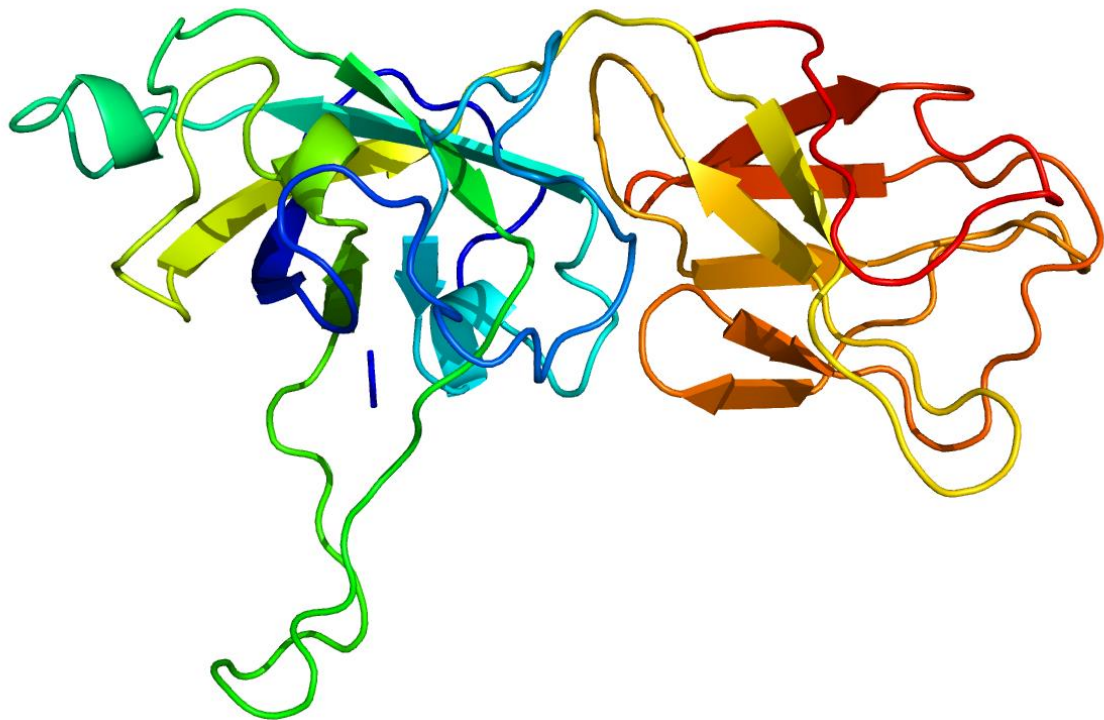
**Locus:** Brasy5G396300

**Gene Model:** Brasy5G396300.1.p

**Description:** BsyEXPA-19

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

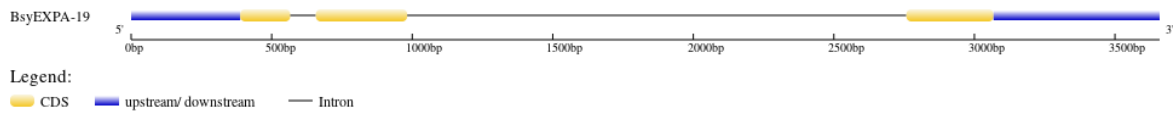
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Bsylvaticum\\_v1\\_1](https://phytozome-next.jgi.doe.gov/info/Bsylvaticum_v1_1)

KEGG:-

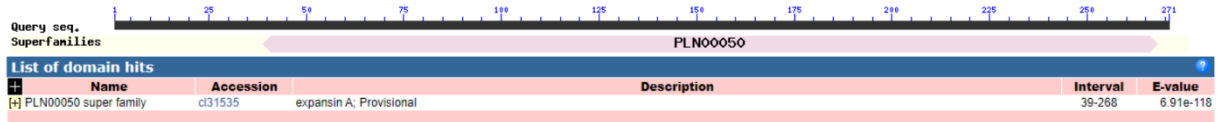
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>BsyEXPA-19

MATAAATMPSSPLLFFVLLASALVLPAAAYARIPGVYTGGDWQSAHATFYGGSDAS  
GTMGGACGYGNLYSQYGVNNAALSTALFNSGQRCGACFEIKCVDQPDWKWCHPG  
SPSILVTATNFCPPNYALPSDDGGWCNPPRPHFDLAMPFLHIAEYRAGIVPVSYRRV  
ACRKKGGVRFTHMGFRYFNLVLITNVAGAGDLVRASVKGSSSTGWMPMSRNWQON  
WQSNSVLVGQALSFRVTSSDRRTSTSWNAAPQGWYFGQTFEGKNFRV\*

### CDS (coding sequence)

>BsyEXPA-19

ATGGCCACCGCCGCAGCAACAATGCCGTCTTCCCCGCTGCTGTTCTTCGTCCTCCT  
CGCTTCAGCGCTGGTACTTCCCCCTGCCGCCTACGCCCGCATCCCCGGCGTGTACA  
CGGGCGGCGACTGGCAGTCCGCCACGCCACCTTCTACGGCGGCAGCGACGCCTC  
CGGCACCATGGGAGGGGCGTGCGGGTACGGGAACCTGTACAGCCAGGGCTACGG  
GGTGAACAACGCGGCGCTGAGCACGGCGCTCTTCAACTCCGGGCAGCGCTGCGG  
CGCATGCTTCGAGATCAAGTGCGTGGACCAGCCGACTGGAAGTGGTGCCACCCG  
GGCTCGCCGTCCATCCTCGTCACGGCGACCAACTTCTGCCCGCCCAACTACGCGC  
TGCCTTCCGACGATGGCGGGTGGTGCAACCCGCCCGGCCCCACTTCGACCTCGC  
CATGCCCATGTTCTCCACATCGCCGAGTACCGCGCCGGCATCGTCCCCGTCTCCT  
ACCGCCGGGTGGCGTGCAGGAAGAAGGGAGGGGTGCGGTTACGATGCACGGGT  
TCAGGTACTTCAACCTGGTGCTGATCACGAACGTGGCGGGGGCCGGGGACCTGGT  
GCGCGCCAGCGTCAAGGGTTCAAGCACCGGGTGGATGCCCATGTACGCAACTG  
GGGCCAGAACTGGCAGTCCAACCTCCGTCCTCGTCGGCCAGGCGCTCTCCTTCCGA  
GTCACCTCCAGCGACCGCCGCACCTCCACCTCATGGAACGCCGCCCGCAAGGGT  
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### Nucleotide

>BsyEXPA-19

GATCAGGAGCTCAGAGTGAGCTGCACGACACAGCAGCACAGCAGTAGTACCCGG  
CTGTGCTGCCTCCATCAATGGCTAAAAGTACGAATACCGCATTCTTAATAACGC  
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