

## IDENTIFICATION

**Species:** *Brachypodium sylvaticum*

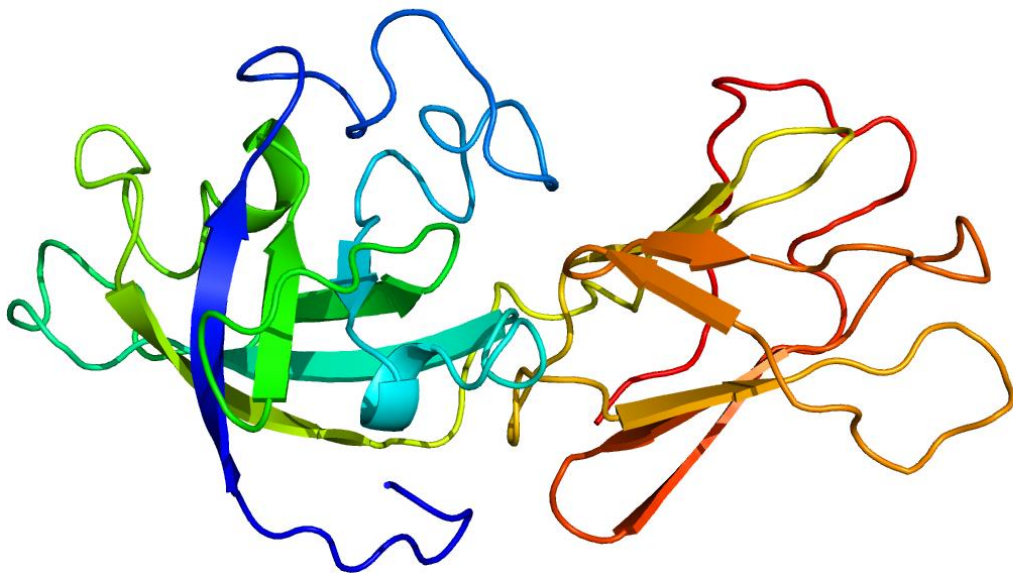
**Locus:** BrasyJ014700

**Gene Model:** BrasyJ014700.1.p

**Description:** BsyEXPA-25

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

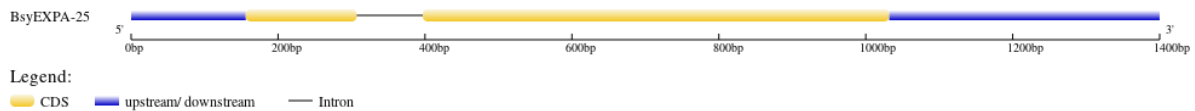
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Bsylvaticum\\_v1\\_1](https://phytozome-next.jgi.doe.gov/info/Bsylvaticum_v1_1)

KEGG:-

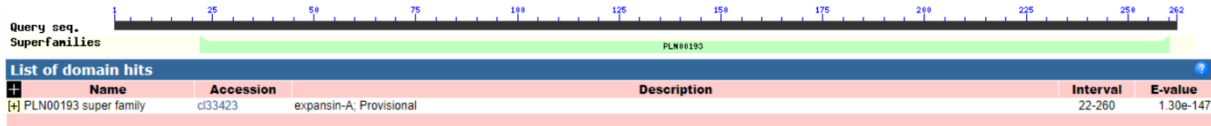
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>BsyEXPA-25

MDIQTGSFARFLALLATTCLLWNKASGFRSSGVSRATFYGGSDASGTMGGACGY  
GNLYSTGYGTSTAALSTVLFNDSAACGQCYSRCDYAADPRFCRRGTSVTVTATNLC  
PPNYALPNDDGGWCNPPRQHFDMAEPAWLDIGVYSGGIVPVLVYQRVACAKRGGVR  
FAVSGHDYFELVLSNVGGCGSIRAVSIKGSRAGRWMPSRNWGVNWQSNALLSG  
QTLFQVTSTDGQTITFPNVAPAGWGFQTFQTSRQFS\*

### CDS (coding sequence)

>BsyEXPA-25

ATGGACATAAACTGGATCATTCGCTCGGTTCTTGCTTTGCTTGCAACAACATG  
CCTCCTTTGGAACAAGGCTTCCGGTTTCAGATCGTCCGGCGTCAGCAGAGCCTTC  
GCCACCTTCTACGGCGGCAGCGACGCCTCAGGAACCATGGGCGGGGCATGCGGG  
TACGGCAACCTGTACTCGACGGGGTACGGGACGAGCACGGCGGGCGCTGAGCACC  
GTGCTGTTCAACGACAGCGCGGGCTGCGGGCAGTGCTACCGGATCTCCTGCGACT  
ACGCGGGCGGACCCAGGTTCTGCCGCCGGGGCACGTCGGTGACCGTCACGGCCA  
CAAACCTGTGCCCGCCAAACTACGCGCTCCCCAACGACGACGGCGGGTGGTGCA  
ACCCGCCGCGGCAGCACTTCGACATGGCGGAGCCGGCGTGGCTGGACATCGGGC  
TCTACAGCGGCGGCATCGTGCCGGTGCTGTACCAGCGGGTGGCCTGCGCCAAGAG  
GGGCGGGCGTGAGGTTCCCGTCAGCGGGCACGACTACTTCGAGCTCGTGCTGGTC  
AGCAACGTCGGCGGCTGCGGGTCCATCCGGGCGGTGTCCATCAAGGGGTCCAGG  
GCCGGCCGGTGGATGCCCATGTCCAGGAATTGGGGGGTCAACTGGCAGTCCAAC  
GCCTTGCTCAGCGGGCAGACCCTGTCGTTTTAGGTCACCAGTACCGACGGACAGA  
CGATCACTTTCCCTAATGTCGCTCCGGCAGGATGGGGGTTCCGGCCAGACGTTTCA  
GACCTCCAGGCAGTTCTCTTGA

### Nucleotide

>BsyEXPA-25

CTCCAAAGCGCACCTGCATGCATGCACACCCACATGGATGCACGGTGCCCAATCA  
GGGAATGCCAGCTTCCATCTTGGCCCAAATGCCTATTTAAACTGCGCAGTTCCTT  
GGCCATCAGCATAGATCCACCTCGATCTGTAAATTTCTCTCTAGCATGGACATA  
CAACTGGATCATTCGCTCGGTTCTTGGCTTGGCTTGAACAACATGCCTCCTTTGGA

ACAAGGCTTCCGGTTTCAGATCGTCCGGCGTCAGCAGAGCCTTCGCCACCTTCTA  
CGGCGGCAGCGACGCCTCAGGAACCATGGGTAAAAGAATCATACTCCGTATATA  
GTTATACATAGCTTGTCTTCTTTCAACACTTCTTCAATTGATTCGATCGATAATAT  
GTGTGTAGGCGGGGCATGCGGGTACGGCAACCTGTACTCGACGGGGTACGGGAC  
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ACGACGACGGCGGGTGGTGCAACCCGCCGCGGCAGCACTTCGACATGGCGGAGC  
CGGCGTGGCTGGACATCGGCGTCTACAGCGGCGGCATCGTGCCGGTGCTGTACCA  
GCGGGTGGCCTGCGCCAAGAGGGGGCGGCGTGAGGTTCCGCCGTCAGCGGGCACGA  
CTACTTCGAGCTCGTGCTGGTCAGCAACGTCGGCGGCTGCGGGTCCATCCGGGCG  
GTGTCCATCAAGGGGTCCAGGGCCGGCCGGTGGATGCCCATGTCCAGGAATTGG  
GGGGTCAACTGGCAGTCCAACGCCTTGCTCAGCGGGCAGACCCTGTCGTTTCAGG  
TCACCAGTACCGACGGACAGACGATCACTTCCCTAATGTCGCTCCGGCAGGATG  
GGGGTTCGGCCAGACGTTTCAGACCTCCAGGCAGTTCTCTTGACTACCTAGACTC  
CTACTCCTAGATGACGGCTTGTGAGGACAGCGCGCGGCGGTTTGCTTTATAGGCT  
TGTGAATGTCCTCATCTGATCATTGTGCGTTGTGTAAAGTTGTCTTACCGCTGATC  
TATGTCCCTCAAGAACAGGGAACCAAGTATATTTCCCTTCGAGTTAAATCATGTGC  
CACCAGATCGGCCCCGTCCTTTTTGAAGGAAACTGGCATTGCCAATGGTGGACGCG  
AGCTGAGCCTTTCCCAAACCTTATCAATTTCCGAGCCGAGCCAGGCTAGGAAGTAC  
TCCTATGAAACAAAGCTCGGCTCGAGCTTTTCGTAGGCTCGTGAAGCTCGGTGCA  
GCTTGTGAGCCTGAAGACTATAGGT