

## IDENTIFICATION

**Species:** *Brachypodium sylvaticum*

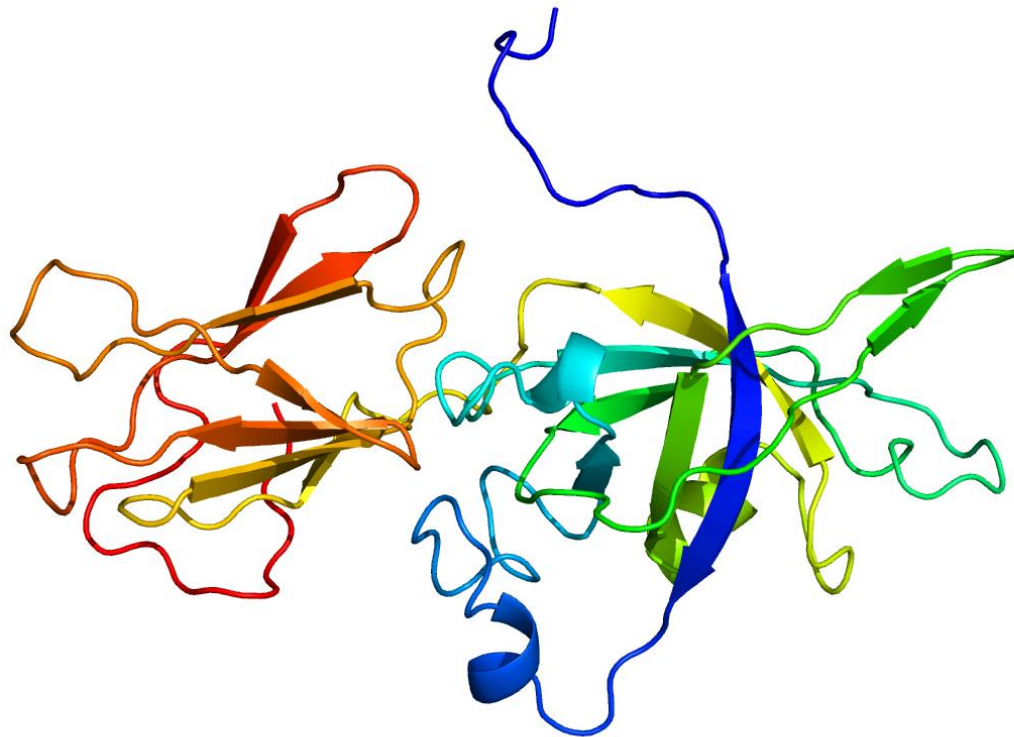
**Locus:** Brasy9G282600

**Gene Model:** Brasy9G282600.1.p

**Description:** BsyEXPA-24

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

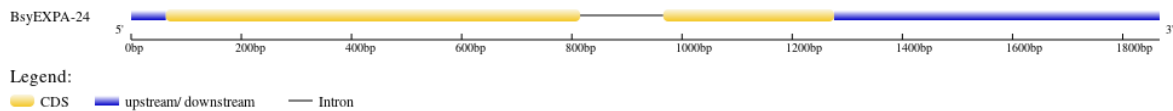
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Bsylvaticum\\_v1\\_1](https://phytozome-next.jgi.doe.gov/info/Bsylvaticum_v1_1)

KEGG:-

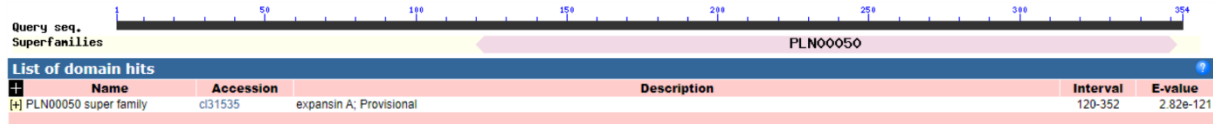
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>BsyEXPA-24

MPLLLQAMPCAPPACAVRPSLPSSVRFLRPATPPPSIYPRPNPKSQTPHTTFPLLSAAAL  
FHARRPVAMAPVLRVLLAFLVAALFPSALSRGHHLPGHGLVHRHGNVHGHQAHAH  
APLGGGAWSSAHATFYGGGDASGTMGGACGYGNLYSTGYGANTAALSTALYNDGL  
SCGACFEVRCDPAGTEAGAAHAACLGTSVVITATNLCPNNALPSDDGGWCNPPRAHF  
DMSQPVFQRIALYKAGIVPVS YRRVACQKKGIRFTINGHSYFNLVLVSNVGGPGDV  
HAVAVKSERSPSWQALSRNWGQNWQSNALLDRQSLSFRTAGGGRSVVSSNAVPR  
GWAFGQTFSGAQFT\*

### CDS (coding sequence)

>BsyEXPA-24

ATGCCGCTGCTTTTGCAGGCCATGCCGTGCGCCCCACCCGCGTGCGCGGTGCGCC  
CTTCCCTGCTTCGTCCTCGGTTCCCTCCGCCCCGGCCACGCCGCCTCCCTCTATTT  
ATCCCCGGCCCAACCCCAAATCTCAAACCCCTCACACCACATTTCCGCTTCTCTCC  
GCAGCCGCTCTGTTTCACGCCCGCCGTCCCGTGGAATGGCGCCCGTCCCTCCGAG  
CCGTCCTTCTCGCCTTCTCGTGGCCGCGCTGTTCCCTTCCGCACTGTCACGAGGG  
CACCATCTGCCGGGGCACGGCCTGGTCCACCGCCACGGGAACGTCCACGGCCAA  
GCGCACGCCACGCCCGCTCGGCGGCGGCCTGGTCCCTCGGCCACGCCACCT  
TCTACGGCGGCGGCGACGCCTCCGGCACCATGGGCGGGGCGTGCGGGTACGGGA  
ACCTGTACAGCACGGGCTACGGGGCCAACACGGCGGCGCTGAGCACGGCGCTCT  
ACAACGACGGGCTGAGCTGCGGCGCCTGCTTCGAGGTCCGCTGCGACCCGGCGG  
GGACGGAAGCCGGCGCGGCCACGCCTGCCTGGGAACCTCCGTCGTCATCACGG  
CCACCAACCTCTGCCCGCCCAACAACGCGCTCCCTTCCGACGACGGCGGCTGGTG  
CAACCCTCCCCGCGCCCACTTCGACATGTCCCAGCCCGTCTTCCAGCGCATCGCG  
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AGGGGGGAATTAGGTTACGATCAACGGCCACTCCTACTTCAACCTGGTCCTCGT  
CTCCAACGTCGGCGGGCCCGGCGACGTGCACGCGGTGGCCGTGAAATCCGAGCG  
CTCGCCTTCTGGCAGGCCCTGTGCGGGAACCTGGGGACAGAACTGGCAGAGCAA  
CGCGCTGCTCGACCGCCAGAGCCTCTCCTTCCGCGTCACCGCCGGCGGCGGCCG  
TCCGTGCTCTCAGCAACGCCGTTCCCCGCGGCTGGGCCTTCGGCCAGACCTTCA  
GCGGCGCCCAATTCACCTGA

## Nucleotide

>BsyEXPA-24

GCTTTTACCGCTCCCGCCACGCCTCCCAACGAAACGCCCCAGAAAACCCGTGTCT  
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CCTCCGAGCCGTCCTTCTCGCCTTCCCTCGTGGCCGCGCTGTTCCCTTCCGCACTGT  
CACGAGGGCACCATCTGCCGGGGCACGGCCTGGTCCACCGCCACGGGAACGTCC  
ACGGCCAAGCGCACGCCACGCCCCGCTCGGCGGCGGCGCCTGGTCCTCGGCCCA  
CGCCACCTTCTACGGCGGGCGGCGACGCCTCCGGCACCATGGGCGGGGGCGTGCGG  
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GTCAGTGTTAGCAAGAGTGGAGTGGTGGTTTGAGCGAGCTTTTGGCTAAGGATGG  
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TTAGCGATTAGGCCTCTTGATGAAGGCCTGTGTTGGCTTGTACTGAACCTCAACT  
CTGGGGGTTAATTTATGCATTTGGGGCTTAAAGCCTGTTCCGTTCCCTGTTAACACT  
CCACTGTATCTTGCAATTTGACTTAAGTGAATGTTTGTATGTTGATTGATGAACATG  
CGAACTACTACGAAGCTTAATGAGCTGAAACAACAAAGTTTTCTCTCGCTCTGATG  
CACGAGAACTGAAACTTCAGGTCGTTCCAGTTAGTATAAAAAAA