

## IDENTIFICATION

**Species:** *Brachypodium sylvaticum*

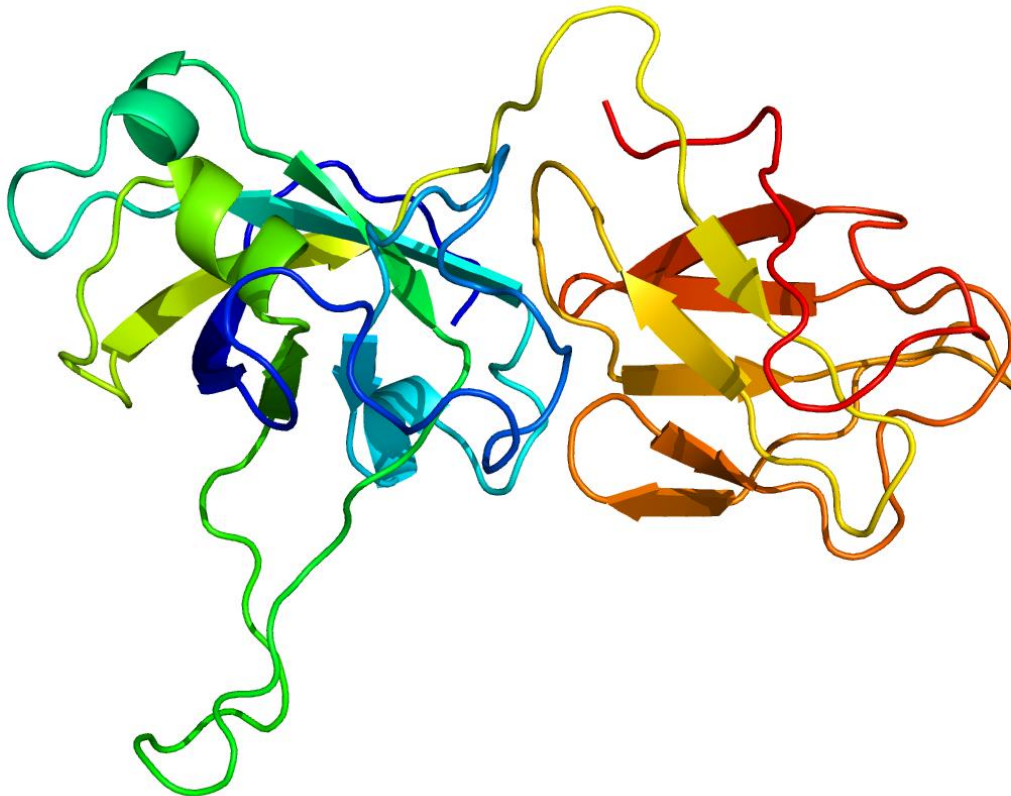
**Locus:** Brasy8G244300

**Gene Model:** Brasy8G244300.1.p

**Description:** BsyEXPA-22

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

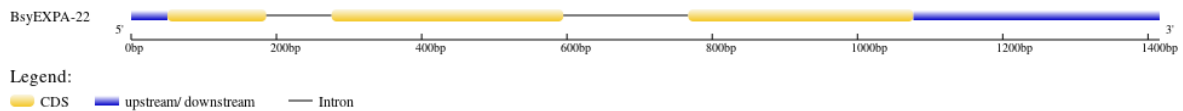
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Bsylvaticum\\_v1\\_1](https://phytozome-next.jgi.doe.gov/info/Bsylvaticum_v1_1)

KEGG:-

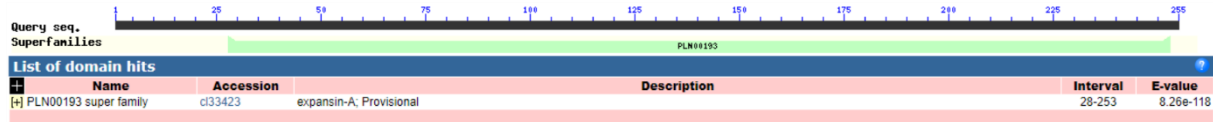
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>BsyEXPA-22

MAKQIVLLVLLTVLCKLASHGVHGGQYSLTSATATFYGGSDGSGTMGGACGYGNLY  
NTGYGLNNAALSTALFNDGAMCGACYNIYCDTSKSKWCKPGTSITVSATNLCPPNY  
AKPNDGWCNPPRLHFDMSQPAWTTIAIYQAGIVPVNYRRVSCQKQNGIRFGVNG  
NNYFELVVVTNVGGSGVVAQMWIKGSRDWMAMSRNWGANWQSNA YLNGQSL  
FRVKLDDGRQVTATDVVPYYWYFGATYASWVNFY\*

### CDS (coding sequence)

>BsyEXPA-22

ATGGCAAACAAATAGTACTACTAGTGCTTCTGACCGTGCTATGCAAATTAGCTT  
CTCATGGTGTGCACGGCCAGTATTCGTTGACGAGCGCTACGGCGACGTTCTACGG  
CGGCAGCGACGGCTCCGGAACAATGGGAGGAGCGTGTGGGTACGGCAACCTGTA  
CAACACCGGGTACGGGCTGAACAACGCGGCGCTGAGCACGGCGCTGTTCAACGA  
CGGCGCCATGTGCGGGGCTGCTACAACATCTACTGCGACACGAGCAAGAGCAA  
GTGGTGCAAGCCCGGCACGTCCATCACCGTCTCGGCCACCAACCTCTGCCCGCCC  
AACTACGCGAAACCAACGACGACGGCGGCTGGTGCAACCCGCCGCGGCTGCAC  
TTCGACATGTGCGAGCCCGCCTGGACCACCATCGCCATCTACCAAGCCGGCATCG  
TCCCCGTAACACTACAGGAGGGTGTCTGTCGAGGAGCAGAATGGCATCCGGTTCGG  
CGTGAACGGGAATAACTACTTTCGAGCTGGTGGTGGTGACCAACGTGGGCGGCTCC  
GGCGTGGTGGCGCAGATGTGGATCAAGGGGTCCAGAACGGACTGGATGGCCATG  
AGCAGGAAGTGGGGAGCCAAGTGGCAGAGCAACGCCTACCTAACGGGCAGAGC  
CTCTCCTTCAGGGTGAAGCTCGACGATGGCCGCCAAGTCACGGCCACCGACGTCG  
TGCCCTACTACTGGTACTTTCGGGGCCACCTACGCGTCTGGGTCAACTTTTACTAG

### Nucleotide

>BsyEXPA-22

GATACGAGTACTAGCTAGCGCACTCCTTATCATCGATCTTGACACATCAAATGGC  
AAAACAAATAGTACTACTAGTGCTTCTGACCGTGCTATGCAAATTAGCTTCTCAT  
GGTGTGCACGGCCAGTATTCGTTGACGAGCGCTACGGCGACGTTCTACGGCGGCA  
GCGACGGCTCCGGAACAATGGGTTTGTTCGCCGCCCTCCATTAATCACACACGT  
ATTTACCTTGTTTTGTCTTGAGAGGATTATTACTGATATTCTGTGCGCATTGCAG  
GAGGAGCGTGTGGGTACGGCAACCTGTACAACACCGGGTACGGGCTGAACAACG

CGGCGCTGAGCACGGCGCTGTTCAACGACGGCGCCATGTGCGGGGCCTGCTACA  
ACATCTACTGCGACACGAGCAAGAGCAAGTGGTGCAAGCCCGGCACGTCCATCA  
CCGTCTCGGCCACCAACCTCTGCCCGCCAACTACGCGAAACCCAACGACGACGG  
CGGCTGGTGCAACCCGCCGCGGCTGCACTTCGACATGTGCGCAGCCCGCCTGGACC  
ACCATCGCCATCTACCAAGCCGGCATCGTCCCCGTCAACTACAGGAGGTAAAGCA  
TATATAACAACCAGCTAAGCCATAAATAACCACTCCCTCCGTTTCTAATTTTTTTTC  
GTGGTTTTAGTTCAAATTAACCAAACCGTGACAAAAATTTAGGAACGGAAGGC  
GCACGTAACAAGGGAAAACCTCTATTTGTGATCGATGTATGATGTGGCCTGCAGG  
GTGTCGTGCCAGAAGCAGAATGGCATCCGGTTCGGCGTGAACGGGAATAACTAC  
TTCGAGCTGGTGGTGGTGACCAACGTGGGCGGCTCCGGCGTGGTGGCGCAGATGT  
GGATCAAGGGGTCCAGAACGGACTGGATGGCCATGAGCAGGAACTGGGGAGCCA  
ACTGGCAGAGCAACGCCTACCTCAACGGGCAGAGCCTCTCCTTCAGGGTGAAGCT  
CGACGATGGCCGCCAAGTCACGGCCACCGACGTCGTGCCCTACTACTGGTACTTC  
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CCATCGGCACGTACGCGCGGCAATAAGAATTCGCCGCTAGATCGAACAATTTACT  
TATAATTGATCTTACGGCCGGCGAATTTAAGGTAAATGATGTGCCACTCTACCTA  
TAGCTAGTAGATACATCCCTGCATCGTTGTTGAGAGGCAATCGGAGCAGCGCTTG  
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