

## IDENTIFICATION

**Species:** *Brachypodium sylvaticum*

**Locus:** Brasy2G067600

**Gene Model:** Brasy2G067600.1.p

**Description:** BsyEXPA-05

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

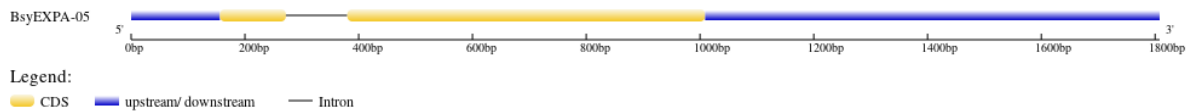
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Bsylvaticum\\_v1\\_1](https://phytozome-next.jgi.doe.gov/info/Bsylvaticum_v1_1)

KEGG:-

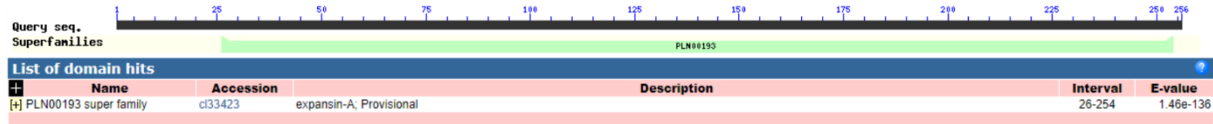
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>BsyEXPA-05

MAGSRVLLHLAVVVAACLAATPGGAADWVSGSATFYGGSDASGTMGGACGYGN  
LYSTGYGTNTAAMSTALFNDGAACGECYQVQCDSQNSQWCNKGATVTVTATNLCP  
PDYSKPSNNGGWCNPPRRHLDMAQPAWEKIGVYRAGIVPVMFRRVPCSRSGGVRFIT  
NGNDYFELVLITNVGGAGSISSVQIKGSRTGWVTMSRNWGANWQCNNYLNGQSISF  
TVTATDGKKQVFQDVAPSNWRFSQTFSSAVQFY\*

### CDS (coding sequence)

>BsyEXPA-05

GCATCTGGCCGTCGTCGTCGCGGCGTGCCTCGCGGCGGCGACCCCCGGAGGAGCT  
GCCGACTGGGTGAGCGGCTCCGCGACGTTCTACGGCGGGAGCGACGCCCTCCGGC  
ACCATGGGCGGCGCGTGCGGGTACGGGAACCTGTACTCGACGGGGTACGGGACG  
AACACGGCGGGCGATGAGCACGGCGCTGTTCAACGACGGCGCGGGCGTGCGGGGAG  
TGCTACCAGGTGCAGTGCACAGCCAGAACTCGCAGTGGTGCAACAAGGGCGCC  
ACGGTGACCGTCACGGCCACCAACCTCTGCCCGCCGACTACTCCAAGCCCAGCA  
ACAACGGCGGCTGGTGCAACCCGCCCGCAGGCACCTCGACATGGCCCAGCCCG  
CCTGGGAGAAGATCGGGCTTACCGCGCCGGCATCGTGCCCGTTCATGTTCCGGAG  
GGTTCCTTGCTCCAGGAGCGGAGGGGTGCGGTTACCATCAACGGGAACGACTAC  
TTCGAGCTGGTCCATCACCAACGTGGGCGGGGCGGGCTCCATCTCGTCCGTGC  
AGATCAAGGGGTCCAGGACTGGCTGGGTACCATGTCCAGGAACTGGGGCGCCA  
ACTGGCAGTGCAACAACCTCAACGGCCAGTCCATCTCCTTACGGTCACCGC  
CACCGACGGCAAGAAGCAGGTCTTCCAGGACGTCGCGCCCAGCAACTGGAGGTT  
CAGCCAGACCTTCTCCAGCGCCGTCCAGTTCTACTAG

### Nucleotide

>BsyEXPA-05

CAACTCGCACCGTTCCTTTCCTGTAGATCGGTTCGATCCCGTACGTTACGCACGTCCG  
CCCGTTCGAGCGTACCCCGCGTGTACTATATACGTGCATTGCTCTGTATCATCTGAA  
GCCATTTTCATCGAGAGAAGAGATGGCGGGCAGCAGAGTCTTGTTGCATCTGGCCG  
TCGTTCGTTCGCGGCGTGCCTCGCGGGCGGACCCCCGGAGGAGCTGCCGACTGGGT  
GAGCGGCTCCGCGACGTTCTACGGCGGGAGCGACGCCTCCGGCACCATGGGTAC  
GCAAAACAACATATGCTGCCTGGCCTTAATTAATTCGTACGTGCCTTCTTTTGTCTT

TGCATTTGCTCGCATGACATGACGGATTATATGTCGCTGTGACTGCAGGCGGGCGC  
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GAGCACGGCGCTGTTCAACGACGGCGCGGGCGTGCGGGGAGTGCTACCAGGTGCA  
GTGCGACAGCCAGAACTCGCAGTGGTGCAACAAGGGCGCCACGGTGACCGTCAC  
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TCATCACCAACGTGGGCGGGGCGGGCTCCATCTCGTCCGTGCAGATCAAGGGGTC  
CAGGACTGGCTGGGTACCATGTCCAGGAACTGGGGCGCCAACCTGGCAGTGCAA  
CAACTACCTCAACGGCCAGTCCATCTCCTTCACGGTCACCGCCACCGACGGCAAG  
AAGCAGGTCTTCCAGGACGTCGCGCCCAGCAACTGGAGGTTACGCCAGACCTTCT  
CCAGCGCCGTCCAGTTCTACTAGCCAAGCGTGCACCGCCGCCCTGGACGTGCACG  
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CAGTGTATGGTCCTACGGCTAGCAACAGAAAGGAAGATTTTTTTGCCG