

## IDENTIFICATION

**Species:** *Brachypodium sylvaticum*

**Locus:** BrasyJ092200

**Gene Model:** BrasyJ092200.1.p

**Description:** BsyEXPA-26

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

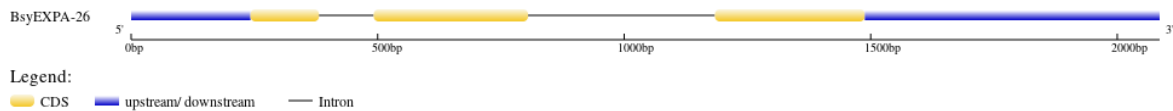
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Bsylvaticum\\_v1\\_1](https://phytozome-next.jgi.doe.gov/info/Bsylvaticum_v1_1)

KEGG:-

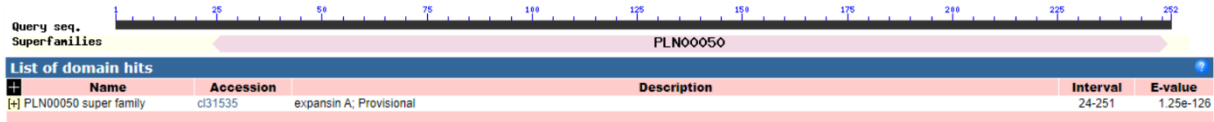
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>BsyEXPA-26

MGIAGALIFLLSSSCFLARQAAAGGNGGWQSAHATFYGGGDASGTMGGACGYGNL  
YSQGYGTNTAALSTTLFNDGAACGSCYELRCDNDGKWCLPGSIMVTATNFCPPNYG  
LPSDDGGWCNPPRPHFDMAEPAFLHIAQYRAGIVPVAFRRVPCVKKGGIRFTINGHSY  
FNLVLVTNVAGAGDVRSVSIKGRTRAWQTMSRNWQNWQSNQTYLDGQCLSFRVTS  
SDGRTVTSNAAVPAGWQFGQTFEGAQF\*

### CDS (coding sequence)

>BsyEXPA-26

ATGGGCATTGCCGGCGCTCTCATCTTCCTCCTCTCGTCCTCCTGCTTCCTCGCCCG  
GCAAGCCGCTGCCGGCGGGAACGGCGGGTGGCAGAGCGCTCACGCCACGTTCTA  
CGGCGGCGGCGACGCTTCCGGCACAAATGGGCGGGGCTTGCGGGTACGGCAACCT  
GTACAGCCAGGGGTACGGCACGAACACGGCGGCGCTGAGCACGACGCTGTTCAA  
CGACGGCGCGGCGTGCGGGTCGTGCTACGAGCTGCGTTGCGACAACGACGGGAA  
GTGGTGCTGCCGGGCTCCATCATGGTGACGGCCACCAACTTCTGCCCGCCAAAC  
TACGGCCTCCCCAGCGACGACGGCGGCTGGTGCAACCCGCCGCGCCCGCACTTCG  
ACATGGCCGAGCCGGCCTTCTCCACATCGCGCAGTACCGCGCCGGCATCGTCCC  
CGTCGCCTTCAGAAGGGTCCCCTGCGTGAAGAAGGGCGGCATCCGGTTCACCATC  
AACGGCCACTCCTACTTCAACCTGGTGCTGGTGACCAACGTGGCCGGCGCCGGGG  
ACGTGCGCTCCGTGTCCATCAAGGGCACGCGCACGGCGTGGCAGACCATGTCCAG  
GAACTGGGGCCAGAAGTGGCAGAGCAACACCTACCTGGACGGCCAGTGCCTCTC  
CTTCAGGGTCACCTCCAGCGACGGCCGCACCGTCAACAGCAACGCCGCGCGTCCCC  
GCGGGATGGCAGTTCGGACAGACCTTCGAGGGCGCCAGTTCTAG

### Nucleotide

>BsyEXPA-26

ATATCACTCCCGGCCTTCAATTTCTTTTCTTCCTTTTTTGCTCTATGATGTTGATCA  
CCGAATTTGGGGGAGGAAGAAAGAAATGTTTACTGCACCAGCGCTGCGCACGGC  
CCCGAGTTTTCCAACCGCCACCGGCACTAAAAGCTTTTACTGGCTATAAATA  
CATTGGCTTGAGGAACCGAAGCTCCTCACTGCCAACCGCTCTGCTGTTTTAGAG  
GAAGCTACACAGCTCTTAGCCATGGGCATTGCCGGCGCTCTCATCTTCTCCTCTC  
GTCTCCTGCTTCTCGCCCGGCAAGCCGCTGCCGGCGGGAACGGCGGGTGGCAG

AGCGCTCACGCCACGTTCTACGGCGGGCGGCGACGCTTCCGGCACAATGGGTGAGT  
TTAATTTCTTCCCATGAACACTACTACTAGTAGTACATACTTAAACCTTGTGAACA  
AATTAATTCTCACACACGGGGGGCTCTTTCTCGCCGTGAAATTCTGCAGGCGGGG  
CTTGCGGGTACGGCAACCTGTACAGCCAGGGGTACGGCACGAACACGGCGGGCGC  
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CCAACTTCTGCCCGCCAAACTACGGCCTCCCCAGCGACGACGGCGGCTGGTGCAA  
CCCGCCGCGCCCGCACTTCGACATGGCCGAGCCGGCCTTCCTCCACATCGCGCAG  
TACCGCGCCGGCATCGTCCCCGTCGCCTTCAGAAGGTGCGTCGTTAATTAACCTC  
GTTCTTCTTGGCACGTTAATTATGTACGGGCTCGCGACTTAAGTCTGTAGTACCG  
TGTCTGTGGCTCGACCGACCGAACCCCATGGTTTTTAATTCACCAGCCACGACG  
ACCCAGCGTCGGTCGGTTTGAAGATACGCGGGGGCCACGGTTCGGTTCGGCTCATA  
AGTTTTAGGCGGTCCCCAGTCTGCGCGCGGATTCGATACGGTGCATGCGGATAGG  
CAGGGCTGCTGCCTGGTGCACGCATGTGCTAGCTGTGCCATTAACGTTACAGCTT  
CAGTCCTCCCGTGCCAATTGACGCGGTCCATCGATCCGGACAAAATCTCGGGCTT  
ACGTAATGATGAGGCTTTGTGTGTGCAGGGTCCCGTGCCTGAAGAAGGGCGGCAT  
CCGGTTCACCATCAACGGCCACTCCTACTTCAACCTGGTGGTGGTGACCAACGTG  
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TCTCCTAGATTAAGCATTGGAGAAAAGAATTTATTTTGCATGCCGATCAATCATG  
CAAGAGAGGCATGCAGAAGCGAACATTAGGCCTCTTCGTTATAGTGCAAGAAAG  
AGGTTCGGTCCCGGGCTATGCTGAGGGCTGCTAATTAGCACCCCGCTTAGACGT  
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GTCGTGGAGTACTACTTTGTACTGGGCGGTGGCCTTTGTGATGAAATTAATAATTC  
GAAGGCCATATTTATGGACCAATGCTCTATCTAGCTGCACTGGAGTAGAGCTGTG  
ACTTTCGCTGTTTGGTGGGCTGTTATAGCCCCCGTGTCCGGCCCGTATCTTCAAGT  
CACATGGGTGGAAGATGTTTGTGGGGCATCAATGTCGTGCCTTTTCTGGAGCGAC  
GGCCAGCGTTCGGTTGCCGTGTCCCGTTTTGCCAGTGTATGCATGATAAGC