

## IDENTIFICATION

**Species:** *Brachypodium sylvaticum*

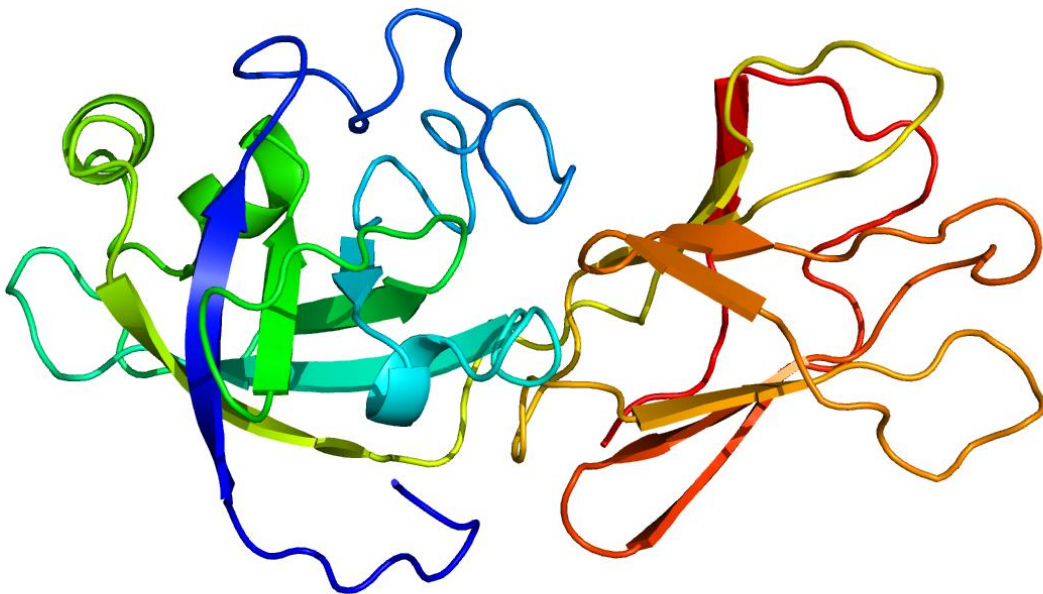
**Locus:** Brasy3G211300

**Gene Model:** Brasy3G211300.1.p

**Description:** BsyEXPB-08

**Family:** Beta Expansin

**3D structure:**



## GENOME DATABASES

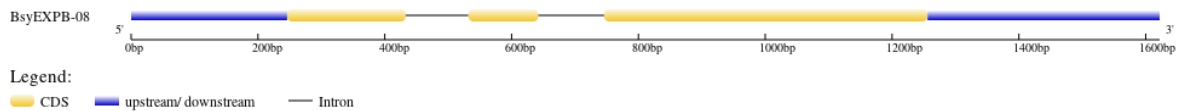
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Bsylvaticum\\_v1\\_1](https://phytozome-next.jgi.doe.gov/info/Bsylvaticum_v1_1)

KEGG:-

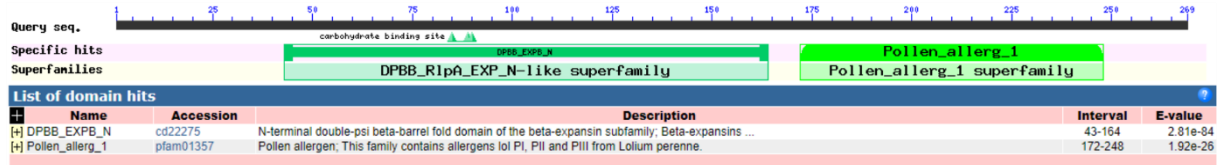
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>BsyEXPB-08

MAVAGAVALMSVLVAAYGACAAAQQQQPAENYD TSAAYSSGWL PARATWYGA  
PTGAGPDDNGGACGFKNVNQYPFSSMTSCGNQPLFKDGKGC GSCYQIRCTNDKSCS  
GNIKTVMITDMNYPVAQYHFDLSGTAFGAMAKPGLNDKLRHSGIIDIQFRRVPCNF  
PGLKINFHVVEGSNAVYLA VLIEYEDMDGDLTQVDMKEASSGQWVPMRESWGSIW  
RMDSNHRLQAPFSMRITSDSGKQLVANNVIPANWRANTDYRSFVQFS\*

### CDS (coding sequence)

>BsyEXPB-08

ATGGCTGTGGCTGGGGCCGTCGCGCTCATGTCCGTGCTCGTTGCCGCCTATGGCG  
CTTGCGCCGCCGCACAGCAGCAGCAGCCGGCCGAGAACTACGACACCTCCG  
CGGCTTACAGCTCAGGCTGGCTCCCCGCCAGGGCCACCTGGTACGGCGCGCCCAC  
CGGCGCCGGCCCAGACGACAACGGCGGTGCGTGC GGTTCAAGAACGTGAACCA  
GTACCCGTTCTCCTCCATGACCTCCTGCGGCAACCAGCCTCTCTTCAAGGACGGC  
AAGGGCTGTGGCTCCTGCTACCAGATACGATGCACCAACGACAAATCCTGCTCGG  
GCAACATCAAGACGGTGATGATCACGGACATGAACTACTACCCGGTGGCCCAGT  
ACCACTTCGACCTGAGCGGCACGGCGTTCGGCGCCATGGCGAAGCCCGGCCTCAA  
CGACAAGCTCCGCCACTCGGGCATCATCGACATCCAGTTCAGGAGGGTGCCCTGC  
AACTTCCCGGGCCTCAAGATCAACTTCCACGTGGTGGAGGGCTCCAACGCGGTCT  
ACCTGGCGGTGCTGATCGAGTACGAGGACATGGACGGCGACCTGACGCAGGTGG  
ACATGAAGGAGGCCAGCTCCGGGCAGTGGGTGCCGATGCGCGAGTCCTGGGGCT  
CCATCTGGCGGATGGACTCCAACCACCGCCTCCAGGCGCCCTTCTCCATGCGCAT  
CACCAGCGACTCCGGCAAGCAGCTCGTCGCCAACAACGTCATCCCGGCCAACTGG  
AGGGCCAACACCGACTACCGCTCCTTCGTCCAATTCAGCTGA

### Nucleotide

>BsyEXPB-08

AAGCCTCCGAGTCCAATCCTCCATGGTTCGCTCCCCTCTCTGCTCTCTTACCCCA  
TGTGAGCAATGTGAACAGTGGCGACGCATCTTTAGCTCGATCTAACTAACACGGA  
TGCAGCGACCGTTGTCCCCGCTCACTTGCCTATAAATGCCCGGCAATGGTCCTCC

CTTGAACCATCAGCACACAGACCAGAGTCCACAGTACAACAACACTACTGGAGTAA  
TAGCAACTACACTTTCACTCAAGAGATGGCTGTGGCTGGGGCCGTCGCGCTCATG  
TCCGTGCTCGTTGCCGCCTATGGCGCTTGCGCCGCCGCACAGCAGCAGCAGCAGC  
CGGCCGAGAACTACGACACCTCCGCGGCTTACAGCTCAGGCTGGCTCCCCGCCAG  
GGCCACCTGGTACGGCGCGCCCACCGGCGCCGGCCAGACGACAACGGTAAGGG  
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TGTTGTTGCTCTGTTCTTTTCTTCTCTCAGATACGATGCACCAACGACAAATCCTG  
CTCGGGCAACATCAAGACGGTGATGATCACGGACATGAACTACTACCCGGTGGC  
CCAGTACCACTTCGACCTGAGCGGCACGGCGTTCGGCGCCATGGCGAAGCCCGGC  
CTCAACGACAAGCTCCGCCACTCGGGCATCATCGACATCCAGTTCAGGAGGGTGC  
CCTGCAACTTCCCGGGCCTCAAGATCAACTTCCACGTGGTGGAGGGCTCCAACGC  
GGTCTACCTGGCGGTGCTGATCGAGTACGAGGACATGGACGGCGACCTGACGCA  
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CGCATCACCAGCGACTCCGGCAAGCAGCTCGTCGCCAACAACGTCATCCCGGCCA  
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ATCCAAGTTATAAATTTGTAATTTTGTATACGTACAGTGTATGATATTCAATTTAT  
TTCTCTGAGCCTCTTGTTTTTGCATT