

## IDENTIFICATION

**Species:** *Brachypodium sylvaticum*

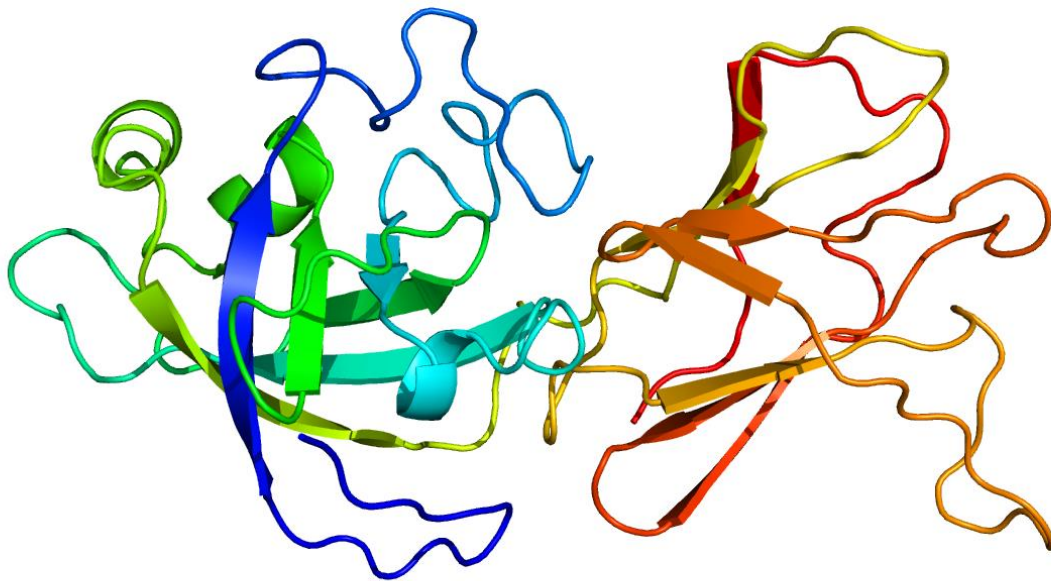
**Locus:** Brasy2G013700

**Gene Model:** Brasy2G013700.1.p

**Description:** BsyEXPB-04

**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:-

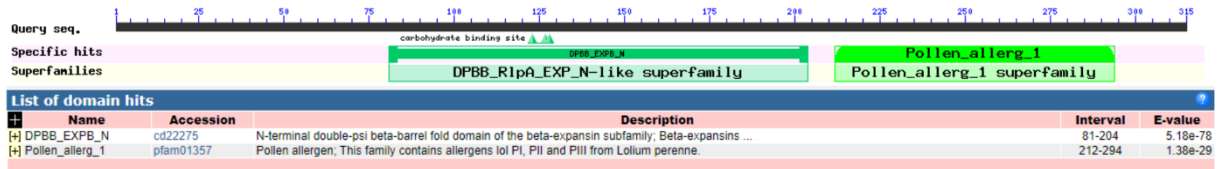
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>BsyEXPB-04

MASSASSVSAAAALFLCLLLAFHGVSCAAKAKHGSKKTHPKAHAPSPLPAAPPAIIV  
PPPVGTNASSNSSSSPGAGSDDGWMARATWYGAPNGAGPDDNNGACGFKDVLNP  
PFSAMTSCGNEPLFKDGKGCYQIRCLSRMHPACSGVPETVIITDMNYYPVSRFHF  
DLSGTAFGAMAKDQRNDELRHAGIIDMQFKRVPCQYPGLTVTFHVEHGSPYYMAI  
LVEYENGDDVDQVDIMESTSDGGEPTGQWVPMKESWGSIWMDTRRPMHGPFSL  
RITNESGQTLVADQVIPADWEPNAIYSSIIQFD\*

### CDS (coding sequence)

>BsyEXPB-04

ATGGCGTCCTCAGCCTCCTCTGTTTCTGCCGCGGCAGCTCTGTTCCCTCTGCCTCCT  
CCTGGCCTTCCATGGCGTCTCCTGCGCAGCCAAGGCCAAGCACGGCAGCAAGAA  
GACGCACCCCAAAGCCCACGCGCCCTCCCCTCTTCTGCGAGCTCCTCCGGCCGCC  
ATCGTCCCTCCGCCTGTTGGAACGAACGCGTCCTCGTCCAATTCTAGCTCGCCCGG  
CGCCGGCAGCGACGACGGGTGGATGGACGCGAGGGCGACGTGGTACGGCGCGCC  
CAACGGCGCCGGCCCCGACGACAACGGCGGGCGCCTGCGGGTTCAAGGACGTGAA  
CCTGCCCCCTTCTCCGCCATGACCTCCTGCGGCAACGAGCCCCCTTCAAGGAC  
GGCAAAGGCTGCGGCTCATGCTACCAGATAAGGTGCCTGTGCGGTATGCACCCGG  
CGTGCTCCGGGGTGCCGGAGACGGGTGATCATCACGGACATGAACTACTACCCGGT  
CTCCCGCTTCCACTTCGACCTCAGCGGCACCGCATTCGGCGCCATGGCAAAGGAC  
CAGCGCAACGACGAGCTCCGCCACGCGGCATCATCGACATGCAGTTCAAGAGG  
GTGCCGTGCCAGTACCCGGGTCTGACGGTGACGTTCCACGTGGAGCACGGTTTCGA  
ACCCGTACTACATGGCGATCCTGGTGGAGTACGAGAACGGGGACGGCGACGTGG  
ACCAGGTGGACATCATGGAGTCCACGTCCGACGGCGGGGAGCCCACGGGGCAGT  
GGGTGCCCATGAAGGAGTCGTGGGGTCCATCTGGCGGATGGACACGCGGCGGC  
CCATGCACGGCCCGTTCTCGCTGCGCATCACCACGAGTCCGGCCAGACGCTCGT  
CGCCGACCAGGTCATCCCCGCCGACTGGGAGCCCAACGCCATCTACAGCTCCATC  
ATCCAGTTCGACTGA

## Nucleotide

>BsyEXPB-04

ACACGGCGGAGCACTTGAATGAAATTTGGGACGGAAGAATGTAGCAACAGTAAC  
GCCGGCTCGTGACGATCCGAGTGCATCCACACACATGTGAACTCTCTTCTGCCTTC  
GACTCAATTCCTTAATTTGCACGACAAATCATGGCCAGCAGCCGCCCAATTATT  
CATATGCGTCACGAGCCCAGCCGGCCGCTAGCTAGGGGGGCTATAAATACCAGC  
CCTTGCCAATCTCCCGCCGGAATTCAGCCAGAGACAGTCAGCCATGGCGTCCCTC  
AGCCTCCTCTGTTTCTGCCGCGGCAGCTCTGTTCCCTCTGCCTCCTCCTGGCCTTCCA  
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CTGTTGGAACGAACGCGTCCCTCGTCCAATTCTAGCTCGCCCGGCGCCGGCAGCGA  
CGACGGGTGGATGGACGCGAGGGGCGACGTGGTACGGCGCGCCCAACGGCGCCGG  
CCCCGACGACAACGGCGGGCGCTGCGGGTTCAAGGACGTGAACCTGCCCCCTTC  
TCCGCCATGACCTCCTGCGGCAACGAGCCCCTCTTCAAGGACGGCAAAGGCTGCG  
GCTCATGCTACCAGGTTTACAACCAATCCTATCTTCTTCAATTATATTCCAAAGAG  
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TCTCTGCGTGCCTGTCGTCTTGTCTCTTCTTTCTTCTACGGCTAGAGAGCCGGC  
CGGCCGGTAATTCCATGGAACCTGAAGCTCAATTCTGAATTGGATTCTTGCGTTGC  
AATGCAGATAAGGTGCCTGTCGCGTATGCACCCGGCGTGTCCGGGGTGCCGGAG  
ACGGTGATCATCACGGACATGAACTACTACCCGGTCTCCCCTTCCACTTCGACC  
TCAGCGGCACCGCATTCCGGCGCCATGGCAAAGGACCAGCGCAACGACGAGCTCC  
GCCACGCCGGCATCATCGACATGCAGTTCAAGAGGTAACATGTGCTTCACGCAT  
CATCTAGCCCCCATCCAACACACCTTAAATTGTCTTGCTTGATTAATCTGCACTA  
CGCAACTGATCGCCCGTGAGTCCATGACACGACACACCCATCTCTGCTAGCCGGT  
TGGTCCAGTTCTCTCATTAATCATCTCTGCAACGGCCGGTGCAGTTCTGCACCGT  
TCGTTCAATTCCCTTCCTTGATCACCTCGGCCTACTCTGCAACGGCCAGTATTAGCT  
AGCTAGCCCCTCGACGGAAACAGACAAACGCTGCTAGTCGTGGCTAAGGTAGGT  
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CTCCCAGCATTATATACGCACGTAAGTGGAGTAGTAGCTTTAGTTGCTCTTAATTG  
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CGCATCGATCGATCCAGACCTAGCTAGCTAGATCATGTACGAACGAACGTACGTT  
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CCGGGTCTGACGGTGACGTTCCACGTGGAGCACGGTTCGAACCCGTAACATGG  
CGATCCTGGTGGAGTACGAGAACGGGGACGGCGACGTGGACCAGGTGGACATCA  
TGGAGTCCACGTCGGACGGCGGGGAGCCCACGGGGCAGTGGGTGCCCATGAAGG  
AGTCGTGGGGGTCCATCTGGCGGATGGACACGCGGGCGGCCCATGCACGGCCCGTT  
CTCGCTGCGCATCACC AACGAGTCCGGCCAGACGCTCGTCGCCGACCAGGTCATC  
CCCGCCGACTGGGAGCCCAACGCCATCTACAGCTCCATCATCCAGTTCGACTGAT  
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GAGACGTCGCCTGTGACGTCCGGCCGGTGCCTGTCGATCGTATGATTCGTACGCA  
CGTACGTGCTCTATATGT  
CTGTGTACAAGACGTGCTGGAGCTGTTGGTACATATAGGATGGAGAGAGGGGGCA  
GCTAGCTAGCTGGCATAACGTAATTACGTCTACGAGCTACAAGGCCTGTGTCCCAT

TTCTACCTGTCTACATAAAGTGCATCATTCCATGCATCTTCGCCTAATACATTCTC  
TGCCCTGTGACCGATGCAATATACCATAATAAACTTTGGATTATTCCGCGCGCGG  
GCGAGATGCATGTTATGCAAGTTTCATTTTTTCTCCTTAACTTCTAGATGCAATG  
CACGCAAAGAGGTACAGTTGGCTAGCCAGCAGAAATTC