

## IDENTIFICATION

**Species:** *Brachypodium sylvaticum*

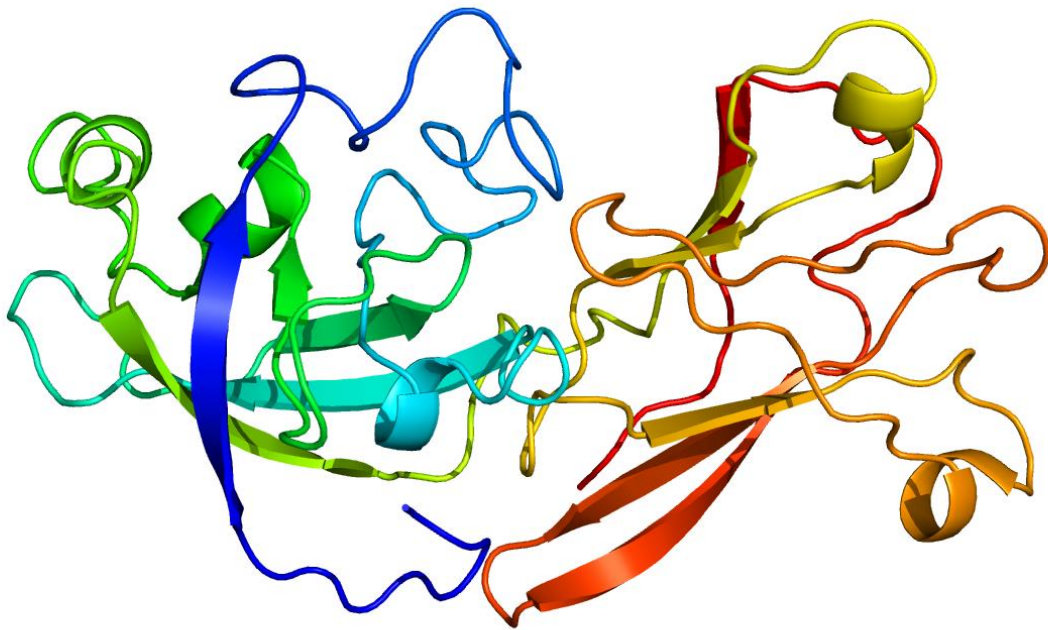
**Locus:** Brasy3G201200

**Gene Model:** Brasy3G201200.1.p

**Description:** BsyEXLA-04

**Family:** Expansin Like Alpha

**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:-

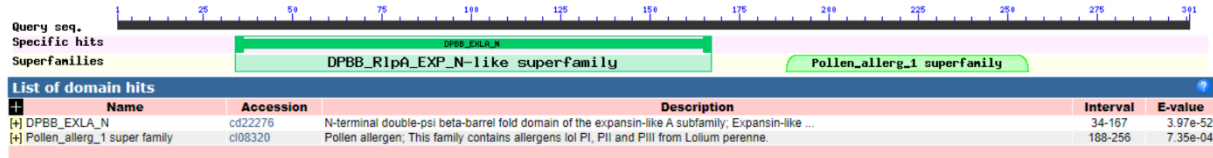
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>BsyEXLA-04

MAAAVSACPMESASSRLFLLAFLFIVAVVGGSSPASACGSCVRRSKAAYRASSPAL  
 DNAGSCGYGALATTLDAGGLLAAVSPALYRNGAGCGACYQVRCTDAGLCSASGAR  
 VVVTDQARVTDRTDLVLTGAAYAAMARGGGGTPAARELRERRAVNVEYRRVPCEH  
 HGHRNLSVRVEEGAPEAGQQLAIRFLYQGGQTDIVAVDVAAAAGSSSSGWRPMARE  
 RGGPAWRTTGRGAPEGPLRMRMVVTGGYDGKWWADGEVIPRRWKAGR VYDTG  
 VQIADVALDGGCHGHPCHDDTREWR\*

### CDS (coding sequence)

>BsyEXLA-04

ATGGCGGCCCGCGTGTCCGCCTGCCCTATGGAGAGCGCTAGCTCGCGCTTGTTCC  
 TCCTCCTTGCCCTTCTTCATCGTCGCCGTCGTCGGCGGCTCGTCTCCTGCTTCGG  
 CGTGGCGCAGCTGCGTGCGCCGGTCCAAGGCCGCGTACCGCGCCTCCTCCCCCGC  
 CCTGGACAACGCCGTTCTTGC GGATAACGGCGCCCTAGCCACAACCTGGACGCC  
 GGCGGGCTCCTCGCCGCCGTGAGCCCCGCGCTGTACAGGAACGGCGCCGGCTGC  
 GGCGCGTGCTACCAGGTCCGCTGCACGGACGCCGGCCTCTGCAGCGCGTCCGGCG  
 CCAGGGTAGTCGTCACGGACCAGGCCGCGCGTACAGGACCGCACCGACCTCGTGCT  
 CACGGGCGCGGCGTACGCGGCCATGGCCCCGCGGCGGCGGCGGCACGCCCGCCGC  
 GCGGGAGCTCAGGGAGCGGCGCGCCGTGAATGTGGAGTACAGGGCGCGTGCCGTG  
 CGAGCACACGGGCACCGCAACCTGTCGGTGCGCGTGGAGGAGGGCGCGCCGGA  
 AGCAGGGCAGCAGCTGGCGATCAGGTTCTGTACCAGGGCGGGCAGACGGACAT  
 CGTGGCCGTGGACGTGGCGGCGGCTGCCGGGTCGTCGTCGTCGGGGTGGAGGCC  
 CATGGCCCCGGGAGCGCGGCGGGCCGGCGTGGAGGACGACGGGCCGGGGCGCGCC  
 GGAGGGCCCGCTAAGGATGAGGATGGTGGTGACCGGAGGGTACGACGGGAAGTG  
 GGTGTGGGCCGACGGGGAGGTCATCCCGCGGCGGTGGAAGGCCGGACGGGTGTA  
 TGACACCGGGGTCCAGATCGCCGACGTGGCTCTGGATGGGTGCCACGGCCACCC  
 TGCCACGACGACACCCGAGAGTGGAGGTGA

## Nucleotide

>BsyEXLA-04

CATCTCCGTCCACACACCACCCATAGATCTCATCGTTCTTGTCCCCTCGTAATCGA  
ATCCCAATCGTTTCCTCGTCACCTCATTCAACGCCGCCGCTTCTCCGGTCCTTCC  
CGCATTTTGGCTGGCTACATGAGGATTCTGTGTTCTCTTCAGCCAGCAGTACTCT  
CTTTTGCTGCTGCATAAACGGCAACCGCGTCCGGTACAGCTAGTCGCCGAGCTGC  
CTGTGGTTACCCGAGTTTATCCTATAGATTCCCTAGTACTCGCTCAGTCGCCACGT  
CGCCCGACGCGTGTCCAGCCAGGACGAGCCTTTGGTCCGGTGGCCACTCAACCTCC  
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ATCCCAATTCCCAAGTCCCGCCCGAGTTAACTCCAGCCGCGGCGCGGCCAAA  
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GTTCTGTTCTGTTCTGTTTCGATCTCACCCAAGAGACAGCTAGAGAACTCCTTCCTT  
CGAGTAGCACGCGTCTTCAAGCTCGATCGATTTCGATCCATTCATGGCGGCCGCCG  
TGTCGCGCTGCCCTATGGAGAGCGCTAGCTCGCGCTTGTTCTCTCTCTTGCCCTC  
CTCTTCATCGTCGCCGTCGTCGGCGGCTCGTCTCCTGCTTCGGCGTGCGGCAGCTG  
CGTGCGCCGGTCCAAGGCCGCGTACCGCGCCTCTCCCCGCCCTGGACAACGGT  
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GCAATTGCCAATTGGTTGGTTGGTTCGTTAATTGATTTTCGTTTGCTGAATTGTGCG  
TCCGTGCAGCCGGTTCTTGCGGATACGGCGCCCTAGCCACAACCCTGGACGCCGG  
CGGGCTCCTCGCCGCCGTGAGCCCCGCGCTGTACAGGAACGGCGCCGGCTGCGGC  
GCGTGCTACCAGGTCCGCTGCACGGACGCCGGCCTCTGCAGCGCGTCCGGCGCCA  
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GCACCACGGGCACCGCAACCTGTCGGTGCGCGTGGAGGAGGGCGCGCCGGAAGC  
AGGGCAGCAGCTGGCGATCAGGTTCTGTACCAGGGCGGGCAGACGGACATCGT  
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GGCCCGGGAGCGCGGGCGGGCCGGCGTGGAGGACGACGGGCCGGGGCGCGCCGG  
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CCACGACGACACCCGAGAGTGGAGGTGACTCGGAGGAGCCGAGAGGAGCCCGCT  
CACTGTACAGTAGTCTTTCCGTTTCTTCTCGTTAATTTCTTCTCCGAAACGAAAGG  
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GTCGTTGCTCGTTGGTGCTTTAATTTGCCGACTTGGGCTAGTGCGTGCACGACGAT  
CGATCACTGGCTTTGGTTCGTCGTCGTCACGACGGCTGCCGTGCGTACTCGCTTCTG  
CTGTGGTTCGTGCTCCTTCGTAGCTGCATTTGCACTCCGCCATATAGGATTTGGGT  
CCGGTAGGAGAGGACCCCGTAGCGCTGTACTCCAGTATTTAGTGGTTGACAGAAA  
CATCCAAACGAGCACTTTGAATTTCACTTGAACTTTCGGGCAATCAGGCAGGTGA  
TATTTAAGCTAGACTACAAACCAAACACTACACAAAAGAGAAGATTCTAAAGTTAG  
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GCAAAAAACCGCTCGCAGCCTCCATCAGTCAGGTCTCTATTTGTCAAAACCACCC  
CTAGCAAGACACGCTTCTCCCAAATCCAGTTCTCCCCAGTCTCCACGATTGCTA  
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AGGCTGGATCACGTTGATGGCGACCAAAACCTGAGCCCTACAACAACCATCCCG  
ACGACGCAGAATCTACACAAAGTGGTGACCTCCTGGATGTGGAGGCCCCATGAC  
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TTTTTGCTGATCTTGTTAACACAGCTAGGTCTTATAGCATAGTCTTGTCGATTGC  
AATTTTTCGTTCTT