

## IDENTIFICATION

**Species:** *Brachypodium stacei*

**Locus:** Brast02G029800

**Gene Model:** Brast02G029800.1.p

**Description:** BstEXLA-01

**Family:** Expansin Like Alpha

**3D structure:**



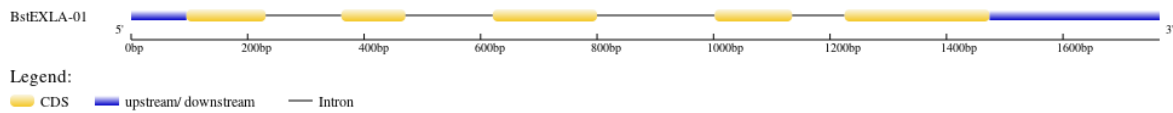
## GENOME DATABASES

Phytozome: [https://phytozome-next.jgi.doe.gov/info/Bstacei\\_v1\\_1](https://phytozome-next.jgi.doe.gov/info/Bstacei_v1_1)

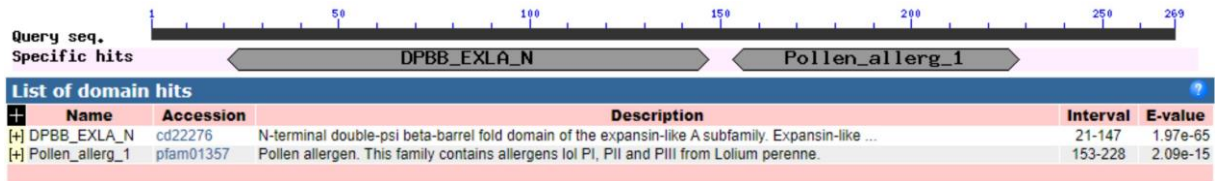
## EXTERNAL RESOURCES

<https://brachypodium.org/>

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>BstEXPA-01

MASSNALLLLLSAAFCFLARRAAGDYGSWQSAHATFYGGDDASGTMGGACGYGNL  
YSTGYGTNTAALSTALFNDGAACGSCYELRCDNAGPAYCRPGSITITATNLCPPNYAL  
PNDDGGWCNPPRAHFDMAEPAYLQIGVYRAGIVPVSYRRVPCVKKGGIRFTINGHSY  
FNLVLVTNVAGAGDVQSVSIKGSSTGWQPMSRNWQNWQSNSDLGQSLSFRTLS  
DGR TITSNGVAPAGWQFGQTFEGGQF\*

### CDS (coding sequence)

>BstEXPA-01

ATGGCCTCCTCCAATGCTCTGCTCCTGCTCTTGTCCGCCGCCTTCTGCTTCCTCGCC  
CGGCGAGCCGCCGGCGACTACGGGTCTGTCAGAGCGCCACGCCACGTTCTAC  
GGCGGCGACGATGCGTCCGGCACAATGGGCGGCGCTTGC GGGTACGGGAACCTG  
TACAGCACGGGGTACGGCACGAACACGGCTGCGCTGAGCACGGCGCTGTTCAAC  
GACGGCGCGGCCTGCGGGTCTGTGCTACGAGCTGCGGTGCGACAACGCCGGCCCG  
GCCTACTGCCGCCCCGGCAGCATCACAAATCACGGCCACCAACCTCTGCCCGCCAA  
ACTACGCGCTGCCCAACGACGACGGCGGCTGGTGAACCCGCCCGCGCGCACTT  
CGACATGGCCGAGCCGGCTTACCTCCAGATCGGCGTCTACCGCGCCGGCATCGTG  
CCAGTCTCCTACAGGAGGGTGCCCTGCGTGAAGAAGGGCGGGATCAGGTTACC  
ATCAACGGCCACTCCTACTTCAACCTGGTGTGTTGACCAACGTGGCCGGCGCAG  
GGGACGTGCAGTCCGTGTCCATCAAGGGCTCCAGCACCGGCTGGCAGCCCATGTC  
ACGCAACTGGGGCCAGA ACTGGCAGAGCAACTCCGACCTCGACGGCCAGAGCCT  
CTCATT CAGGGTCACCCCTCAGCGACGGCCGCACCATCACCAGCAACGGCGTCCGCG  
CCC GCCGATGGCAGTTCGGACAGACCTTCGAAGGAGGCCAGTTCTAG

### Nucleotide

>BstEXPA-01

CAACCATCGGTTTCGTTCTTCTTCTGAGTAAGTTGGCCGGCCGCTTTAGGAAAAAGCC  
AGTGGCGCTCTGCTCTTCGCAATGGCCTCCTCCAATGCTCTGCTCCTGCTCTTGT  
CGCCGCTTCTGCTTCTCGCCCGGCGAGCCGCCGGCGACTACGGGTCTTGGCAG  
AGCGCCACGCCACGTTCTACGGCGGCGACGATGCGTCCGGCACAATGGGTTAA

TGAGCTCGGTTTCATAGCACCGTCGAAAGTACATACATACACGTGGTATTTGGTTC  
CGGACACACATATCTGACTGAAGCGTGTTGCAGGGCGGCGCTTGCGGGTACGGGA  
ACCTGTACAGCACGGGGTACGGCACGAACACGGCTGCGCTGAGCACGGCGCTGT  
TCAACGACGGCGCGGCCTGCGGGTTCGTGCTACGAGCTGCGGTGCGACAACGCCG  
GCCCCGGCCTACTGCCGCCCCGGCAGCATACAATCACGGCCACCAACCTCTGCC  
GCCAAACTACGCGCTGCCAACGACGACGGCGGCTGGTGCAACCCGCCCGCGC  
GCACTTCGACATGGCCGAGCCGGCTTACCTCCAGATCGGCGTCTACCGCGCCGGC  
ATCGTGCCAGTCTCCTACAGGAGGTGAGAATTAGGCCGGTTGGCAAGCAAACTT  
CTATTGACACTGCGTGTTCGGTGTTCGGTTGGGGGGCTTAAACAGTTAAACTGAACC  
CCCCCATGGTCTCGCTCTCGCTCCATGTTAGGTGGGCCAGTCTGCAGATTTGGTGC  
CGTAGCAGAACCATGCTGCCGCGTGATTATGGCTGGCAGCGACACGCCTTGCTTG  
TTTTGGAATTAGTTTAGGCCGGCGTCACGTTTACTGAACTTGTAACCCCGTGCAGT  
TCTTTGTACTGAACTTTTGCCGTTTCACTGATGGTGTTTAATTGCAGGGTGCCCTG  
CGTGAAGAAGGGCGGGATCAGGTTACCCATCAACGGCCACTCCTACTTCAACCTG  
GTGCTGGTGACCAACGTGGCCGGCGCAGGGGACGTGCAGTCCGTGTCCATCAAG  
GGCTCCAGCACCGGTGGCAGCCCATGTCACGCAACTGGGGCCAGAACTGGCAG  
AGCAACTCCGACCTCGACGGCCAGAGCCTCTCATTCAGGGTCACCCTCAGCGACG  
GCCGCACCATCACCAGCAACGGCGTCGCGCCCCGCCGGATGGCAGTTCGGACAGA  
CCTTCGAAGGAGGCCAGTTCTAGCCTTCCATTCCAGGGGGGGGTGATGATCGAGT  
TCTTTCTTGTCTGTGGATGGATTGCGCTTGGAGCTTGAGCAAGAGAAGGAAACCC  
TCTTCGTTATAGTAAAAGAAGAGGCCTTCGGCCATTCCGAGGCTGCTTAATTTGTT  
AGCACCCGCTTAGGCCTTCCCTTCTCTCATACTAGGACAGTAGCGATAAATAAGT  
TATATATATGGGGTTGAGCATTCTTCTGCATTGTTTAGTGCCGTAGCCTTGCGTGAA  
GCAAAAACGGCAAGGCGATTTATTAATTATGGATTTGTAGGGTGGTTGTGTCTGT  
GTTTTGTAACCTTTTGTGTTAAGCTGTAACCCCCGAATCAGGCCACATGTGTGGGA  
GATGTTTGTGGGGATACACTTGTTATTTTTGGG