

IDENTIFICATION

Species: *Brachypodium sylvaticum*

Locus: Brasy5G448300

Gene Model: Brasy5G448300.1.p

Description: BsyEXPB-21

Family: Beta Expansin

3D structure:



GENOME DATABASES

Phytozome: https://phytozome-next.jgi.doe.gov/info/Bsylvaticum_v1_1

KEGG:-

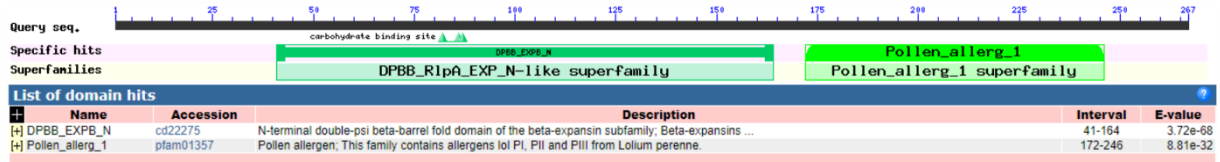
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BsyEXPB-21

MGSSFLFAAAAVVASLLLLCSCGASSPSTVQEELRRELRGWADARATWYGPPEGAG
TDGGACGYQGDVEQPPFSAMITAGGPSIFQSGQGCGACYRVKCTGNAACSGRPVSV
VVTDECPGGPCLSDRFHFDLGGRAFGAMAKPGLAGALRSAGNIQVQFSRVACNWK
VDVAFKVDVGSNPYYLAVLVEDESGDGLSAVDLRQNGAGGWAPMQRSWGAVW
KYNGGPLQAPMSIRLTSGSGRKLVAENVIPAGWQPGRTYRSVVNY*

CDS (coding sequence)

>BsyEXPB-21

ATGGGTTTCCTCCTTCTTGTTTCGCGGCGGCTGCTGTCGTGGCCAGCCTCCTGCTGCT
CTGCAGCTGTGGCGCGTCGTCGCCGTCGACCGTGCAGGAGGAGCTCCGCCGCGAG
CTCCGCGGCTGGGCCGACGCCCGCGCCACGTGGTACGGTCCCCCGAAGGCGCCG
GCACCGACGGCGGTGCGTGCGGGTACCAGGGCGACGTGGAGCAGCCGCCGTTCT
CCGCCATGATCACCGCCGGCGGGCCCTCCATCTTCCAGAGCGGCCAGGGCTGCGG
CGCATGCTACCGGGTGAAATGCACGGGAAACGCGGCTTGCTCGGGGCGGCCGGT
GAGCGTGGTGGTGACGGACGAGTGCCCCGGCGGGCCGTGCCTCTCCGACCGCTTC
CACTTCGACCTCGGAGGCAGGGCCTTCGGCGCCATGGCCAAGCCCGGCCTCGCCG
GCGCCCTCCGCAGCGCCGGCAACATCCAAGTCCAATTCAGCCGTGTGGCGTGCAA
CTGGAAGGGCGTGGACGTGGCATTCAAGGTGGACGTAGGGTTCGAACCCGTA
CCTGGCGGTGCTCGTGGAGGACGAATCCGGCGACGGCGACCTGTCCGCCGTGGA
CCTCCGGCAGAACGGCGCCGGCGGGTGGGCCCCGATGCAGCGCTCCTGGGGCGC
CGTCTGGAAGTACAACGGGGGCCACTGCAGGGCGCCCATGTCCATCCGGCTCACG
TCCGGATCCGGCAGGAAGCTCGTCGCCGAAAACGTCATCCCCGCCGGATGGCAG
CCCGGCCGCACCTACCGCTCCGTCGTCACCTACTGA

Nucleotide

>BsyEXPB-21

ATGGGTTTCCTCCTTCTTGTTTCGCGGCGGCTGCTGTCGTGGCCAGCCTCCTGCTGCT
CTGCAGCTGTGGCGCGTCGTCGCCGTCGACCGTGCAGGAGGAGCTCCGCCGCGAG
CTCCGCGGCTGGGCCGACGCCCGCGCCACGTGGTACGGTCCCCCGAAGGCGCCG

GCACCGACGGTACGTAACATACTCCGTATATACGTGTATATATAGCGATTATTGC
TCGGAGATCAGGTTACCGATCGAGTTACTGACACGGTGCATGTATGTCGTAGGCG
GTGCGTGCGGGTACCAGGGCGACGTGGAGCAGCCGCCGTTCTCCGCCATGATCAC
CGCCGGCGGGCCCTCCATCTTCCAGAGCGGCCAGGGCTGCGGGCGCATGCTACCGG
GTACTCCGTATTACCACTGCATACAAAATTACAAATCGGTCCGTTTCTTGGACCAT
TTAATTTCCCCGGCCGGCCGTTACCACTTTTCTATTTACTGTTCCGTATTATTATCC
GGGAATTCAGCTGATCTTGCGCGCGTGCATGCATGCAGGTGAAATGCACGGGAA
ACGCGGCTTGCTCGGGGCGGCCGGTGAGCGTGGTGGTGACGGACGAGTGCCCCG
GCGGGCCGTGCCTCTCCGACCGCTTCCACTTCGACCTCGGAGGCAGGGCCTTCGG
CGCCATGGCCAAGCCCGGCCTCGCCGGCGCCCTCCGCAGCGCCGGCAACATCCAA
GTCCAATTCAGCCGGTAACATATTAACCTCAAATGTTTCGACACTAATTTGTCTA
GTAAACTAGTCTTTTGAATTCCCTCAAAAAACAAGACTTTTGATTGGTTAATTTCT
TTGTAGTGTGGCGTGCAACTGGAAGGGCGTGGACGTGGCATTCAAGGTGGACGT
AGGGTCGAACCCGTAACCTGGCGGTGCTCGTGGAGGACGAATCCGGCGACGG
CGACCTGTCCGCCGTGGACCTCCGGCAGAACGGCGCCGGCGGGTGGGCCCCGAT
GCAGCGCTCCTGGGGCGCCGTCTGGAAGTACAACGGGGGCCCACTGCAGGCGCC
CATGTCCATCCGGCTCACGTCCGGATCCGGCAGGAAGCTCGTCGCCGAAAACGTC
ATCCCCGCCGGATGGCAGCCCGGCCGCACCTACCGCTCCGTCGTCAACTACTGA