

IDENTIFICATION

Species: *Brachypodium sylvaticum*

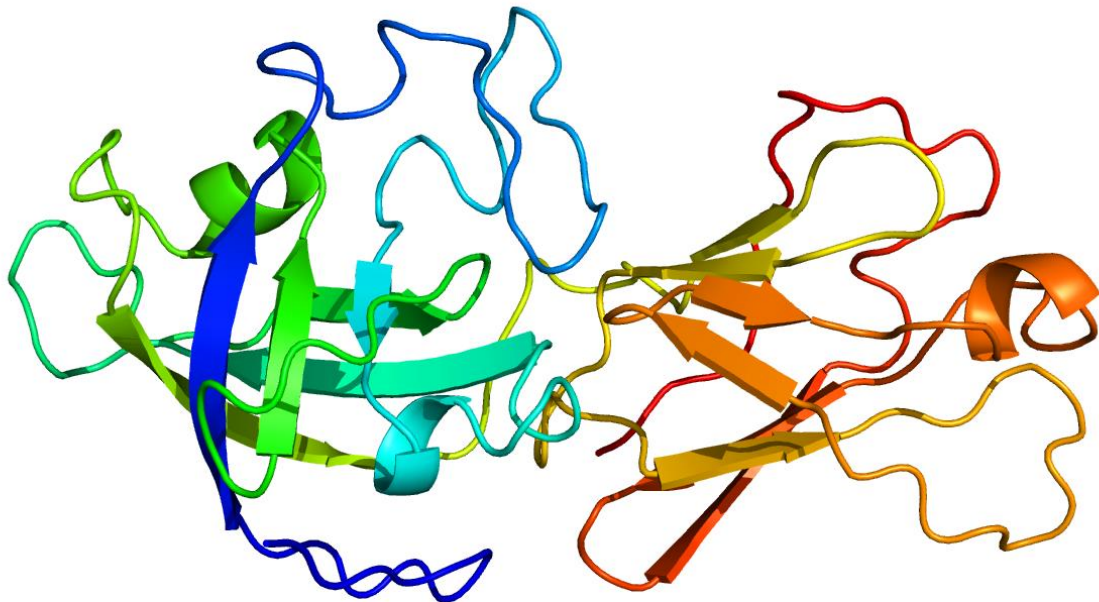
Locus: Brasy7G006300

Gene Model: Brasy7G006300.1.p

Description: BsyEXPA-20

Family: Alpha Expansin

3D structure:



GENOME DATABASES

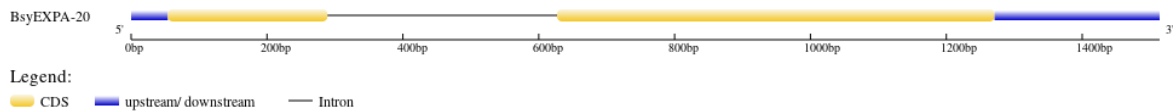
Phytozome: https://phytozome-next.jgi.doe.gov/info/Bsylvaticum_v1_1

KEGG:-

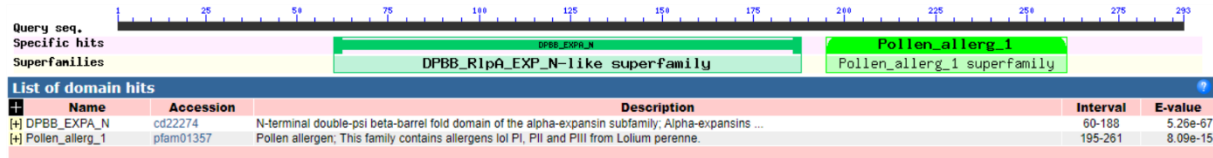
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BsyEXPA-20

MAMSNNPARSMAAAAAMMVLMAARLASANIPPSQWSPSSYPTPSGSPATTGGYS
 TSVWIDGSATFYGDASGLGADFGGACGFSANDIASLYSTATAALSTPLFTDGDGCGR
 CYELRCVKSPWCNPGSPSITVTGTNLCPPNWYLPNDNGGWCNPPRQHFDLAPPSFLR
 LAARVAGIVPVQFRRVPCQRTGGVRFYVTGNPYWLLHIMNVAGAGDVCQVAVRM
 VGGNGGWITTSKNWGSTFQAFSALDKSKGLAVKLTTCSDPKQSIVVGDAIPAWWST
 GLTYQGSNNFY*

CDS (coding sequence)

>BsyEXPA-20

ATGGCGATGTCTAATAATCCGGCGAGGTCCATGGCGGCGGCAGCAGCGATGATG
 GTGTTGATGGCGGCTCGGCTGGCGAGCGCCAACATACTCCTTCGCAATGGTCAC
 CGCCGTCGTCGTATCCAACCTCCAGCGGTAGTCCTCCTGCCACCACCGGCGGCTA
 CTCCACGTCCGTCTGGATAGATGGCAGCGCCACCTTCTACGGCGACGCCTCTGGC
 CTCGGCGCCGACTTCGGCGGGGCGTGCGGGTTTCAGTGCCAACGACATCGCGTCGC
 TGTACTCGACGGCGACGGCGGCGCTGAGCACGCCGCTGTTACGGACGGCGACG
 GTTGCGGGCGGTGCTACGAGCTGCGGTGCGTCAAGTCCCCCTGGTGCAACCCGGG
 GTCGCCGTCGATACCGTACGGGGACCAACCTCTGCCCGCCAACTGGTACCTC
 CCCAACGACAACGGCGGCTGGTGCAACCCTCCCCGGCAACACTTCGACCTGGCGC
 CGCCGTCTTCTCCGGCTCGCCGCAAGGGTCGCCGGTATCGTGCCCGTGCAGTT
 CCGCCGCGTGCCGTGCCAGAGGACCGGCGGCGTCCGGTTCTACGTCACCGGGAAC
 CCCTACTGGCTTTTGCTGCACATCATGAACGTCGCCGGCGCTGGTGATGTCTGCCA
 GGTCGCCGTCAGGATGGTCGGCGGCAATGGCGGGTGGATCACGACTTCGAAGAA
 TTGGGGCAGCACGTTCCAGGCCTTCTCTGCGCTCGACAAGAGCAAGGGGCTCGCC
 GTTAAGCTGACGACTTGCAGCGACCCTAAGCAGAGCATCGTCGTCGGCGACGCCA
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 A

Nucleotide

>BsyEXPA-20

GCAACGATCCACTGTCTACCAGCTTAATTTGAGTTCATCGAGGCGATCGGCCATA
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