

IDENTIFICATION

Species: *Brachypodium sylvaticum*

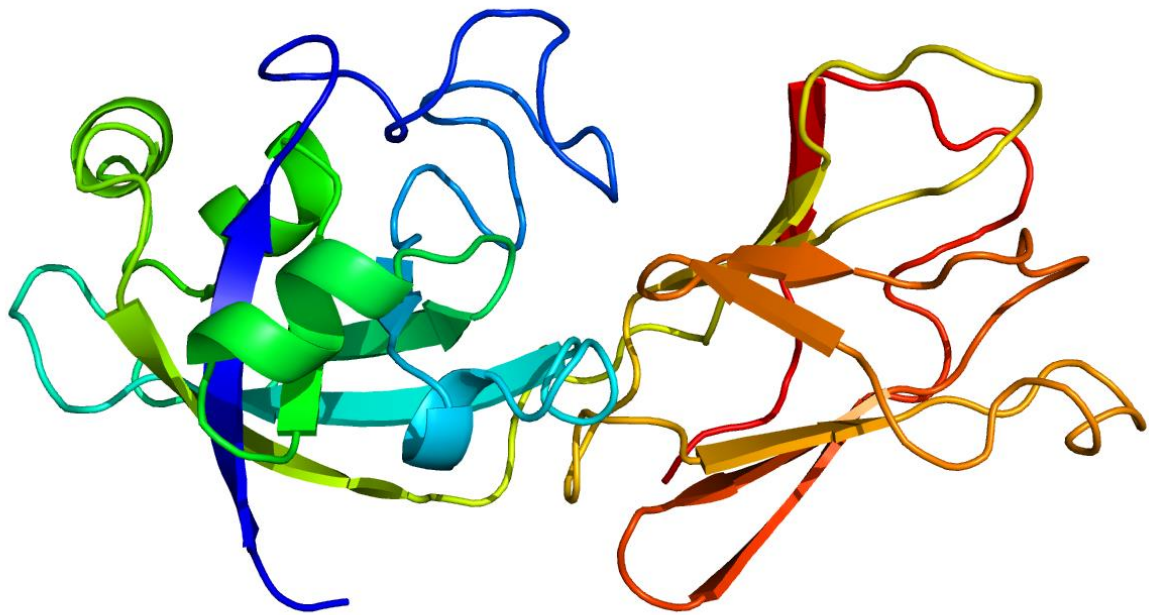
Locus: Brasy5G448400

Gene Model: Brasy5G448400.1.p

Description: BsyEXPB-22

Family: Beta Expansin

3D structure:



GENOME DATABASES

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

KEGG:-

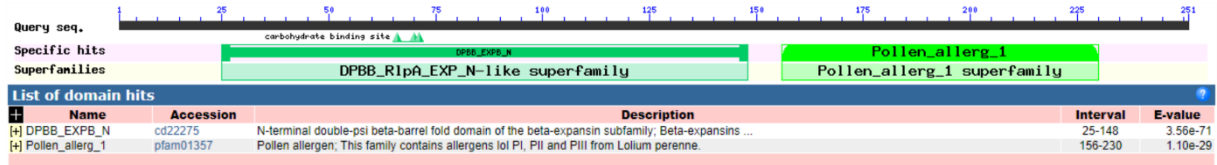
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BsyEXPB-22

MASWFSSVLAALACLHSCSCWSDAGATWYGPANGAGTDGGACGYQGDVELP
PFSAMVTAGGPSLYQNGKGCACGYQVKT AHPACSGSPVTVVVDQCPGGPCVAES
VHFDLSGKAFGALAKPGQAGSLRNAGNIKVQFN RVACNWHGVNVAFRVDAGSNPN
YLAVLVEDEAGDGLSAVELQQRGGAGGWAPMQRSWGALWKYNGALQAPLSIQL
TSSSGKKLVAANVIPVGWQPGRTYRSLVNY*

CDS (coding sequence)

>BsyEXPB-22

ATGGCTTCTTGGTTTTCTTCCGTGTTGGCGGCGGCTCTAGCCTGCCTCCTCCTGCTC
CACTCGTGTAGCTGTTGGTCCGACGCCGGCGCCACGTGGTACGGCCCCGCTAACG
GCGCCGGCACCGACGGTGGTGCCTGCGGGTACCAGGGCGACGTGGAGCTGCCGC
CGTTCTCCGCCATGGTACCCGCCGGCGGCCCTCCCTCTACCAGAACGGCAAGGG
CTGCGGGCGCATGCTACCAGGTGAAATGTACGGCCACCCGGCTTGCTCCGGCAGC
CCGGTGACCGTGGTGGTGACAGACCAGTGCCCCGGCGGGCCGTGCGTCGCCGAG
AGCGTCCACTTCGACCTCAGCGGCAAGGCCTTCGGCGCCCTGGCCAAGCCCCGGAC
AAGCCGGCAGCCTCCGCAACGCCGGCAACATCAAAGTCCAATTCAACCGGGTGG
CGTGCAACTGGCACGGGGTGAACGTGGCCTTCAGGGTGGACGCGGGTTCGAACC
CGAACTACCTGGCGGTGCTGGTGGAGGACGAAGCCGGCGACGGCGACCTGTCCG
CGGTGGAGCTCCAGCAGCGCGGCGCGCCGGCGGGTGGGCCCCGATGCAGCGCT
CCTGGGGCGCCTTGTGGAAGTACAACGGCGCGCTGCAGGCGCCTTTGTCCATCCA
GCTCACGTCCAGCTCCGGCAAGAAGCTCGTCGCCGCAACGTCATCCCCGTCGGC
TGGCAGCCCCGGCCGCACCTACCGCTCCCTCGTCAACTACTGA

Nucleotide

>BsyEXPB-22

ATGGCTTCTTGGTTTTCTTCCGTGTTGGCGGCGGCTCTAGCCTGCCTCCTCCTGCTC
CACTCGTGTAGCTGTTGGTCCGACGCCGGCGCCACGTGGTACGGCCCCGCTAACG
GCGCCGGCACCGACGGTACGTGCATATATGCATGTGTGTGTATAATACGGAA
TATATAGTGATTGCTCGGAGATCAGCCAGCTATCCAGTTTTGTTGAGTACTGAGTT

ACTGACACGGGCGACACCTGCATGCACGTGATGAATGTACGTAGGTGGTGCCTGC
GGGTACCAGGGCGACGTGGAGCTGCCGCCGTTCTCCGCCATGGTACCCGCCGGCG
GCCCCCTCCCTCTACCAGAACGGCAAGGGCTGCGGGCGCATGCTACCAGGTACCGTT
ACCACTTCTCTAATGTACTAAATCAGCGACATTTATTATGGGTGGGAGAGGAGTT
ATCTGAAAATTCGTTTGATCTTGTGTACGTCCAGGTGAAATGTACGGCCACCCG
GCTTGCTCCGGCAGCCCGGTGACCGTGGTGGTGACAGACCAGTGCCCCGGCGGGC
CGTGCGTCGCCGAGAGCGTCCACTTCGACCTCAGCGGCAAGGCCTTCGGCGCCCT
GGCCAAGCCCGGACAAGCCGGCAGCCTCCGCAACGCCGGCAACATCAAAGTCCA
ATTCAACCGGTAATTAAGTAGGAGGAACCAACTAAATAGCTGGCCATCATCTCCT
AGCTTTAACTCCGGCAGGAGTTATACAAATCCACGTCACTTATTTCCGGACGGAG
AGAGTATAAACATGACATGCGTGTATATATACGCAGGGTGGCGTGCAACTGGCA
CGGGGTGAACGTGGCCTTCAGGGTGGACGCGGGTTCGAACCCGAACTACCTGGC
GGTGCTGGTGGAGGACGAAGCCGGCGACGGCGACCTGTCCGCGGTGGAGCTCCA
GCAGCGCGGCGGCGCCGGCGGGTGGGCCCCCGATGCAGCGCTCCTGGGGCGCCTT
GTGGAAGTACAACGGCGCGCTGCAGGGCGCCTTTGTCCATCCAGCTCACGTCCAGC
TCCGGCAAGAAGCTCGTCGCCGCCAACGTCATCCCCGTGGCTGGCAGCCCGGCC
GCACCTACCGCTCCCTCGTCAACTACTGA