

IDENTIFICATION

Species: *Brachypodium sylvaticum*

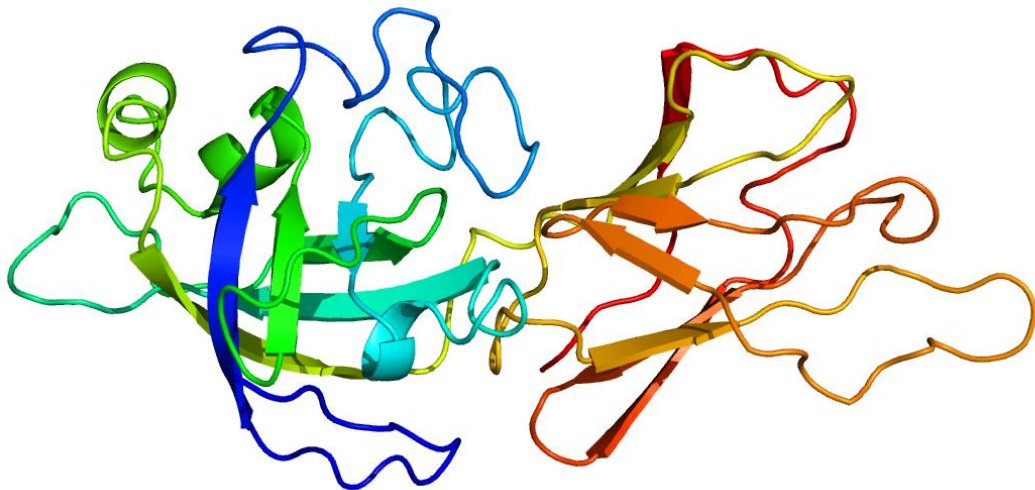
Locus: Brasy3G211400

Gene Model: Brasy3G211400.1.p

Description: BsyEXPB-09

Family: Beta Expansin

3D structure:



GENOME DATABASES

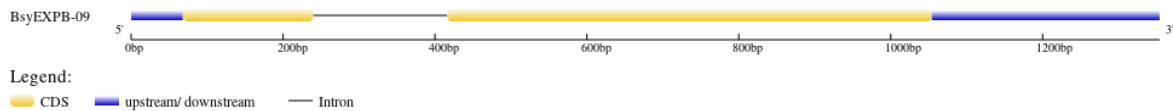
Phytozome: https://phytozome-next.jgi.doe.gov/info/Bsylvaticum_v1_1

KEGG:-

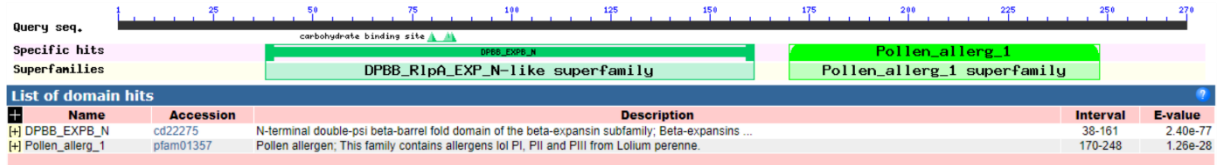
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BsyEXPB-09

MGRVSTNAIALVALLSAVLVTSGHSQSYDAARSYNSGWLPKATWYGAPTGAGPD
DNGGACGYKFTNLYPFSSMTSCGNEPLFMDGAGCGTCYQIKCTSANNPACSGQTKT
VMITDMNYYPVARYHFDSLGTAFGAMASYGQNDQLRHAGIIDMQFRRVPCNYPGIN
VIFHVEAGSNPMYLA VLILFANRDGNVQMDVMESRYGGPTGYWMPMRRSWGAI
WRLDSGHPLQGPFSLRIRSESGATLVAHQALPADWKPDNTNYWSNIQYY*

CDS (coding sequence)

>BsyEXPB-09

ATGGGTCGTGTCTCCACCAATGCCATTGCCCTTGTGGCACTCCTCTCGGCCGTGCT
CGTCACCTCCGGGCATTTCGAGAGCTACGATGCCGCTAGATCCTACAACCTCCGGC
TGGCTCCCCGCCAAGGCCACCTGGTACGGCGCCCCTACCGGCGCCGGCCCCGACG
ACAACGGTGGTGCCTGCGGCTACAAGTTCACCAATCTGTACCCGTTCTCGTCCAT
GACCTCCTGCGGCAACGAGCCTCTGTTTCATGGACGGCGCGGGCTGCGGCACCTGC
TACCAGATCAAGTGCACCAGCGCCAACAACCCTGCCTGCTCCGGCCAGACGAAG
ACCGTCATGATCACCGACATGAACACTACCCGGTGGCCAGGTACCACTTCGACC
TGAGCGGGACGGCGTTCGGCGCCATGGCGAGCTACGGCCAGAACGACCAGCTCC
GGCACGCGGGC ATCATCGACATGCAGTTCAGGAGGGTGCCGTGCAACTACCCGG
GCATAAACGTGATCTTCCACGTGGAGGCCGGGTCGAACCCGATGTACCTGGCGGT
GCTCATCTGTTCGCGAACC GGGACGGGAACGTGGTGCAGATGGACGTCATGGA
GTCCCGGTACGGCGGGCCGACCGGGTACTGGATGCCGATGAGGCGGTTCGTGGGG
CGCCATCTGGAGGCTGGACTCGGGCCACCCGCTGCAGGGCCCCTTCTCCCTCCGC
ATCCGCAGCGAGTCCGGCGCCACGCTGGTCGCCACCAGGCCCTCCCGGCCGACT
GGAAGCCCGACACCAACTACTGGTCCAACATCCAGTACTACTAG

Nucleotide

>BsyEXPB-09

ACAAACAAGAATCTGGAGTAGCACTACTCCAGCAATTAGAAGGGTTTCGTATTTT
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CTACA ACTCCGGCTGGCTCCCCGCCAAGGCCACCTGGTACGGCGCCCCTACCGGC
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GGTGCCGTGCAACTACCCGGGCATAAACGTGATCTTCCACGTGGAGGCCGGGTTCG
AACCCGATGTACCTGGCGGTGCTCATCCTGTTTCGCGAACCGGGACGGGAACGTGG
TGCAGATGGACGTCATGGAGTCCCAGTACGGCGGGCCGACCCGGGTACTGGATGC
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AAGCGGAATTACTTTAAATGCTCCTTTTGATTTAAGCAATATTCGAAGTCACCTAA
AGTCCAGAATTTCGAACTTACTCAAATGA