

IDENTIFICATION

Species: *Brachypodium sylvaticum*

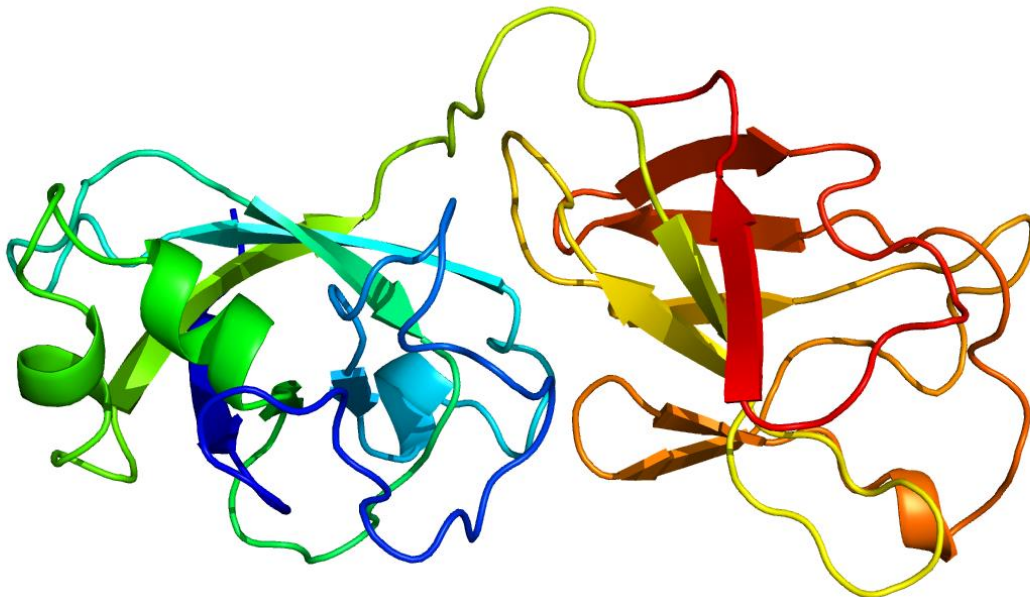
Locus: Brasy5G441600

Gene Model: Brasy5G441600.1.p

Description: BsyEXPB-20

Family: Beta Expansin

3D structure:



GENOME DATABASES

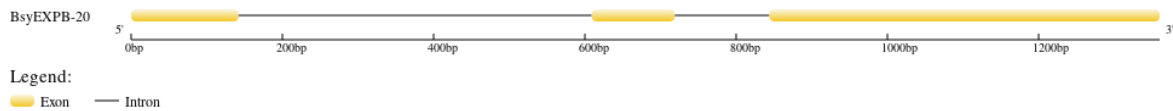
Phytozome: https://phytozome-next.jgi.doe.gov/info/Bsylvaticum_v1_1

KEGG:-

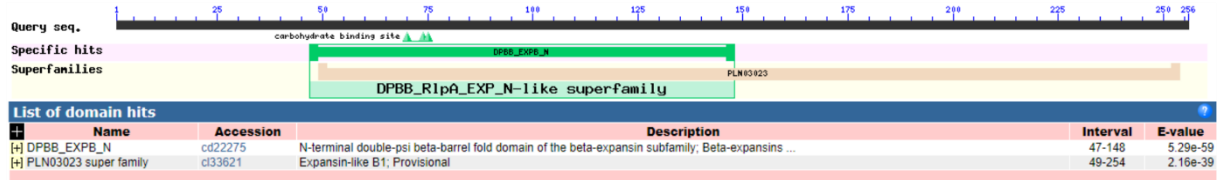
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BsyEXPB-20

MGSFSSIVAVVAVLAALVAGASCFAVPPGPNHDQLRRSLAPRKATGGACGIKETN
LPPYNSLTSCGNLPIFKDGKGCSCFKIKCRNKACSRKPVTVFITDMNYDQFAPYHFD
LSGTAFGALASPGRESELRHYGIIDLQFRVRCLAPGKIAFHVEEGSNPEYLAVLV
KFVAGDGGIVRVDLQKQEGGWPEWKPMRESWGAIWRMDVDYHTPLQGPFSIRLASES
GEVLVARHVIPADWKPKTVYQSNVQF*

CDS (coding sequence)

>BsyEXPB-20

ATGGGATCCTTCTCCAGCATCGTCGCCGTCGTCGCAGTCTTGGCGGCGCTCGTGG
CCGGCGCCTCGTGTTTTGCGGTGGTGCCGCCCGGCCCAACATCCACGACCAGCT
ACGGCGATCATTGGCTCCACGCAAGGCCACTGGTGGTGCCTGCGGGATCAAGGA
GACGAACCTGCCTCCCTACAACAGCTTGACCTCTTGCGGCAACCTCCCCATCTTCA
AGGACGGCAAGGGCTGTGGCTCCTGCTTCAAGATCAAGTGCCGTAACAAGGCGT
GCTCGAGGAAGCCGGTGACGGTGTTTCATCACCGACATGAACTACGACCAGTTCGC
CCCTTACCACTTCGACCTCTCCGGCACGGCCTTCGGCGCGCTGGCGTCCGGGG
AGGGAGAGCGAGCTGCGGCACTACGGCATCATCGACCTCCAGTTCAGGAGGGTG
CGCTGCAGGCTCGCGCCGGGGACAAAGATCGCGTTCACGTGAGGAGGGGTCC
AACCCGGAATACCTGGCGGTGCTGGTGAAGTTCGTCGCGGAGACGGCGGCATC
GTGCGGGTGGACCTGAAGCAGGAGGGCGGCTGGCCGGAGTGGAAGCCGATGAGG
GAGTCGTGGGGCGCCATCTGGAGGATGGACGTGGACTATCACACGCCGCTCCAG
GGCCATTCTCCATCCGCCTCGCCAGCGAGTCCGGCGAGGTGCTCGTCGCCCCGCC
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CTAG

Nucleotide

>BsyEXPB-20

ATGGGATCCTTCTCCAGCATCGTCGCCGTCGTCGCAGTCTTGGCGGCGCTCGTGG
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CGGTGTTTCATCACCGACATGAACTACGACCAGTTCGCCCCCTTACCACTTCGACCTC
TCCGGCACGGCCTTCGGCGCGCTGGCGTCGCCGGGGAGGGAGAGCGAGCTGCGG
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TGCTGGTGAAGTTCGTGCGCCGGAGACGGCGGCATCGTGCGGGTGGACCTGAAGC
AGGAGGGCGGCTGGCCGGAGTGGAAGCCGATGAGGGAGTCGTGGGGCGCCATCT
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CGCCAGCGAGTCCGGCGAGGTGCTCGTCCCGCCACGTCATCCCGGCTGACTGG
AAGCCCAAACAGTCTACCAGTCGAACGTTTCAGTTCTAG