

IDENTIFICATION

Species: *Brachypodium sylvaticum*

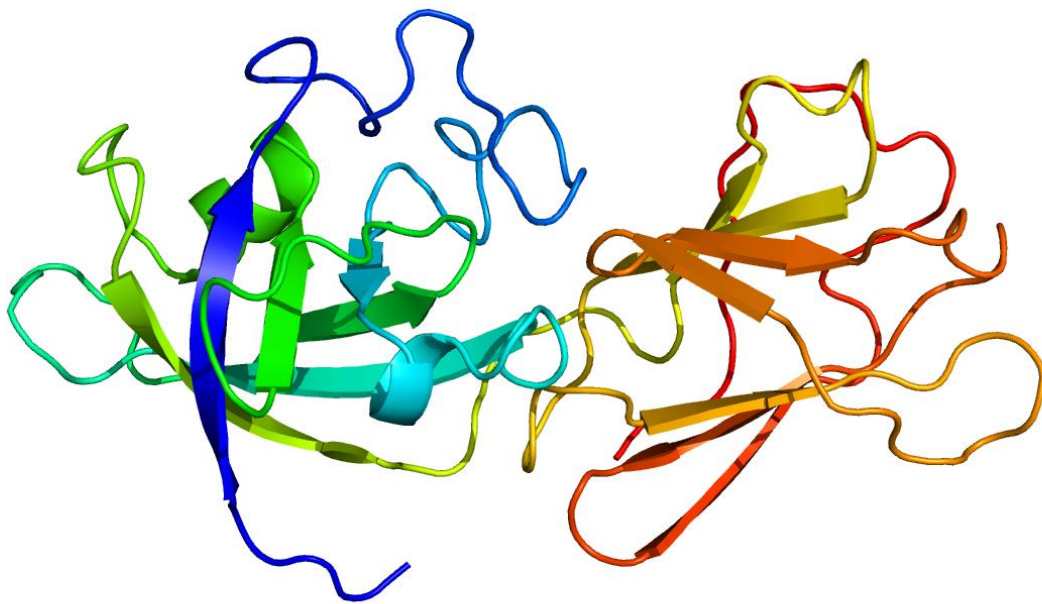
Locus: Brasy7G166300

Gene Model: Brasy7G166300.1.p

Description: BsyEXPA-21

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

KEGG:-

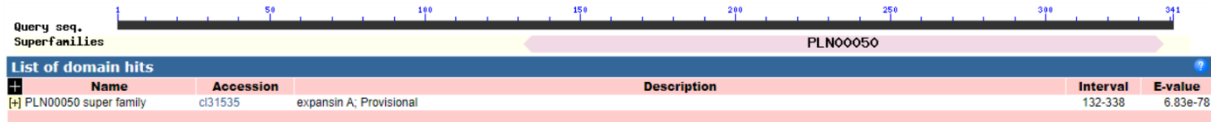
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BsyEXPA-21

MSSSLTPSPPPQSKPKPDQQRTAARSRRTRLRPTATTQDPLPSSSPSPPPQPQALKHFIQDI
ALASGVNVNSDHLVQSNMMGSLPLFFLLISGVRFSGSVRLGNNGYEEWRLGTA
TYIKESQGHPLNDGGGACGYGDLDFRYGRYTTGLSSALFGRGSACGACYELRCVNN
ILWCLRGSPVVTATDFCAPNFGLPDDFGGWCNFPREHLEMTEAAFLRVAKAKADI
VQVQFRRVSCDRAGGMRFTITGGASFLQVLITNVAADGEVIALKVKGSRTGWIPMGR
NWGQNWQCNADLQRQPLSFEVTGKKGRTFTMYNVAPSDWMFAQTFEGKQLVE*

CDS (coding sequence)

>BsyEXPA-21

ATGTCCTCATCTTTGACTCCCTCGCCACCCCAGTCCAAGCCAAAGCCAGACCAAC
AAAGAACTGCTGCCCGTTCAGGAGAACTCGCTTGCCAAGAACAGCAACTACTCA
AGACCCACTCCCCTCCTCCTCCCAAGTCTCCGCAACCGCAAGCACTCAAACAC
TTCATCCAAGATATTGCACTGGCCAGTGGAGTGAATCAGGTGAACAGTGATCACC
TGGTACAGAGCAACATGATGGGCTCTCTGCCCTGCTCTTCTTCTTCTTGCTGCTG
ATTTCTGGGGTCAGGTTCAAGCGCAGCGTAAGGCTGGGCAATGGCGGCTACGAG
GAGTGGAGGCTGGGCACGGCGACCTACATCAAGGAGTCCAGGGGCACCCGCTC
AATGATGGTGGTGGTGCCTGCGGATACGGGGACCTGGACATATTCAGATACGGG
AGGTACACGACCGGCCTGAGCAGCGCGCTGTTTGGGCGTGGCAGCGCCTGCGGG
GCCTGCTACGAGCTCCGGTGCCTGAACAACATCCTCTGGTGCCTGCGGGGCAGCC
CGACGGTCGTCGTGACGGCGACCGACTTCTGCGCCCCAACTTCGGCCTCCCTGA
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GCTTCCTCCAGGTCTGATACCAACGTGGCAGCCGACGGCGAGGTCATCGCCTT
GAAAGTGAAAGGGTCAAGGACTGGGTGGATACCAATGGGGAGGAACTGGGGGC
AGAACTGGCAGTGCAACGCCGATCTCCAGCGCCAGCCGCTGTCGTTTCGAGGTCAC
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Nucleotide

>BsyEXPA-21

CCACTACTGCAAATCCCAATAAAGTGAGAGCAGAAAGGGCGTGGCACCAAAGC
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AGCCAAAGCCAGACCAACAAGAAGTCTGCTGCCCGTTCCAGGAGAAGTCTGCTTGC
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ACCGCAAGCACTCAAACACTTCATCCAAGATATTGCACTGGCCAGTGGAGTGAAT
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