

IDENTIFICATION

Species: *Brachypodium sylvaticum*

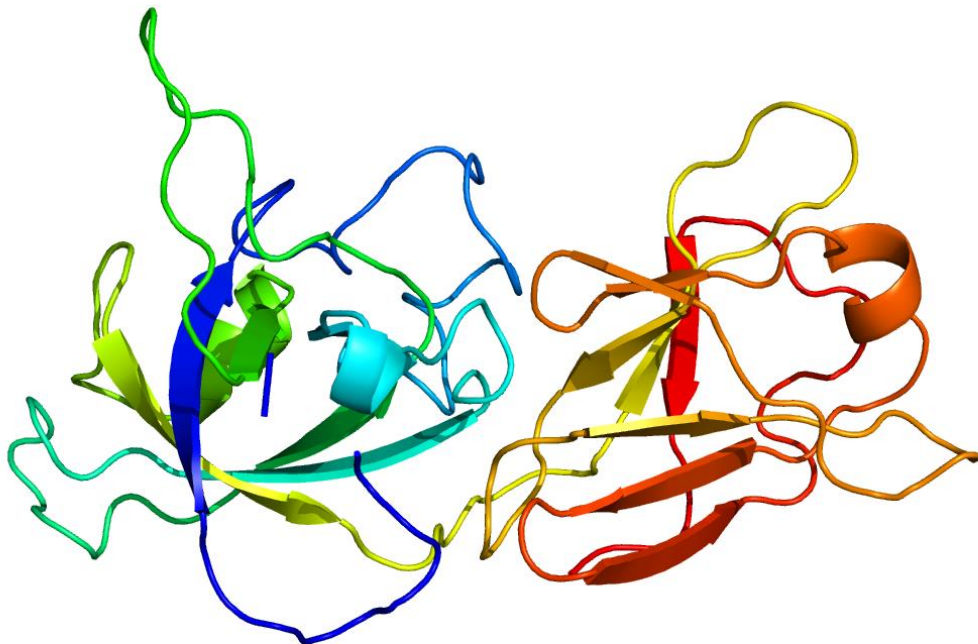
Locus: Brasy3G072100

Gene Model: Brasy3G072100.1.p

Description: BsyEXPA-09

Family: Alpha Expansin

3D structure:



GENOME DATABASES

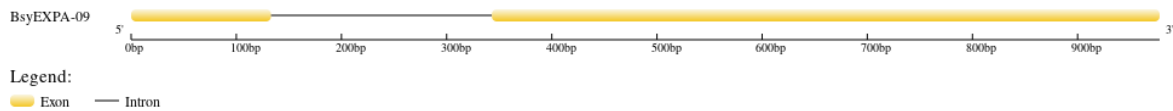
Phytozome: https://phytozome-next.jgi.doe.gov/info/Bsylvaticum_v1_1

KEGG:-

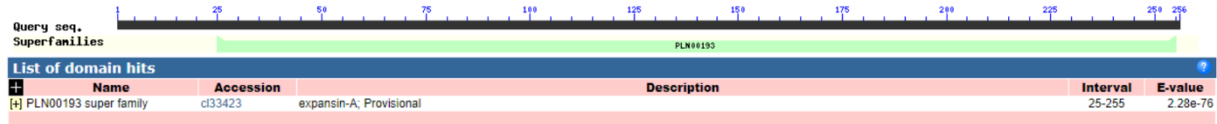
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BsyEXPA-09

MAAAVAFVLVLAALSSPAPVAGRHN SGWIDAHATFYGDETGAETMQGACGYGDLFQ
QGYGLDTAALSVALFNGGASC GGCYELHCA YSPYCRPKGGPITITATNLCPANYSKP
NENWCNPPLHHFDLSKPAFLRLV TDFHVG IIPVKYRRVKCGNKRGGVRFQMTGDSR
YWVGVVVFNVAGAGEVKGLAVKGGREGVWREMKRNWGAVWDGGDVHTLVGQG
LSFRVVAGDGRMLELDGVAPGNWAVGQSFEGKGF*

CDS (coding sequence)

>BsyEXPA-09

ATGGCGGCCGCGGTGGCGTTCCTCGTGCTGGCGGCCTTGTCGTCTCCGGCGCCGG
TAGCCGGCCGCCACAACAGCGGATGGATCGACGCGCACGCCACGTTCTATGGCG
ACGAGACCGGCGCCGAAACCATGCAGGGCGCGTGC GGATAACGGGGACCTGTTC
AGCAAGGATACGGCCTCGACACGGCAGCGCTAAGCGTGGCCCTCTTCAACGGCG
GGGCTTCCTGCGGCGGCTGCTACGAGCTCCACTGCGCCTACAGCCCATACTGCAG
GCCCAAGGGCGGCCCAATAACGATCACGGCCACGAACCTCTGCCC GGCCAACTA
CTCCAAGCCCAACGAGA ACTGGTGCAACCCGCGCTGCACC ACTTCGACCTCTCG
AAACCCGCCTTCCTCCGCCTCGTCACCGACTTCCACGTCGGCATCATCCCCGTCAA
GTACCGCCGCGTCAAGTGCGGCAACAAGCGTGGTGGGGTCCGGTTCAGATGAC
CGGGGATAGCAGGTA CTGGGTCCGGGTTGTTGTC TTCAACGTCGCCGGTGCCGGA
GAAGTGAAAGGGTTGGCTGTGAAAGGGGGAAGGGAAGGGGTTTGGAGGGAGAT
GAAGAGGAATTGGGGAGCTGTTTGGGATGGAGGAGATGTTCATACGCTTGTGG
GCAAGGGCTGTCGTTTAGGGTTGTTGCTGGGGATGGGAGGATGCTTGAGCTTGAT
GGTGTCCGCGCCGGGGA ACTGGGCTGTTGGGCAGAGCTTCGAAGGCAAGGGACAG
TTCTAG

Nucleotide

>BsyEXPA-09

ATGGCGGCCGCGGTGGCGTTCCTCGTGCTGGCGGCCTTGTCGTCTCCGGCGCCGG
TAGCCGGCCGCCACAACAGCGGATGGATCGACGCGCACGCCACGTTCTATGGCG
ACGAGACCGGCGCCGAAACCATGCGTAAGCTCGATCCCACATACTCCCTCCGTTC
ATAAATTCTCGTCGTGTTT TAGTTCAAACGAATGGGGATAGCTAGCATCCCCTA

AATTTATTTACTCACCTTTCTTTACATAATTGGCACATGTCAATCAATCAAATATT
TATACATCTCTCCAACATTTCTCACGCACGTGGATATATATAACATGAATGTCTGC
ATATACACGCAGAGGGCGCGTGCGGATACGGGGACCTGTTCCAGCAAGGATACG
GCCTCGACACGGCAGCGCTAAGCGTGGCCCTCTTCAACGGCGGGGCTTCCTGCGG
CGGCTGCTACGAGCTCCACTGCGCCTACAGCCCATACTGCAGGCCCAAGGGCGGC
CCAATAACGATCACGGCCACGAACCTCTGCCCGGCCAACTACTCCAAGCCCAACG
AGAACTGGTGCAACCCGCCGCTGCACCACTTCGACCTCTCGAAACCCGCCTTCCT
CCGCCTCGTCACCGACTTCCACGTCGGCATCATCCCCGTCAAGTACCGCCGCGTC
AAGTGCGGCAACAAGCGTGGTGGGGTCCGGTTCAGATGACCGGGGATAGCAGG
TACTGGGTTCGGGGTTGTTGTCTTCAACGTCGCCGGTGCCGGAGAAGTGAAAGGGT
TGGCTGTGAAAGGGGGAAGGGAAGGGGTTTGGAGGGAGATGAAGAGGAATTGG
GGAGCTGTTTGGGATGGAGGAGATGTTTCATACGCTTGTTGGGCAAGGGCTGTCGT
TTAGGGTTGTTGCTGGGGATGGGAGGATGCTTGAGCTTGATGGTGTTCGCGCCGGG
GAACTGGGCTGTTGGGCAGAGCTTCGAAGGCAAGGGACAGTTCTAG