

IDENTIFICATION

Species: *Brachypodium sylvaticum*

Locus: Brasy1G412700

Gene Model: Brasy1G412700.1.p

Description: BsyEXPA-03

Family: Alpha Expansin

3D structure:



GENOME DATABASES

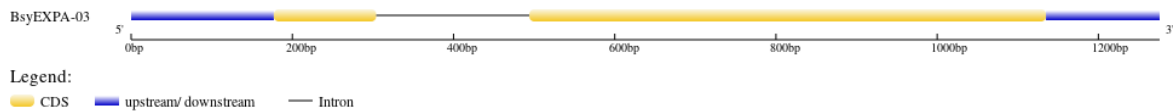
Phytozome: https://phytozome-next.jgi.doe.gov/info/Bsylvaticum_v1_1

KEGG:-

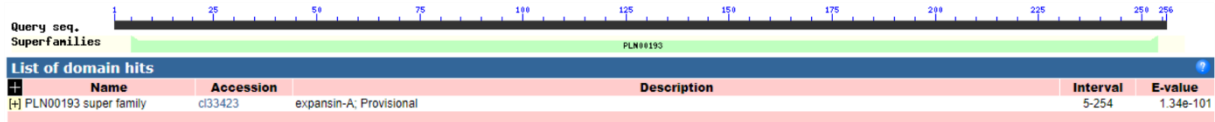
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BsyEXPA-03

MEKTLVFLVLCVSQLGGSVAQQWIPANATFYGGSDGSGAMGGSCGYGDLNKYN
GAGYGTYYTALSATLYGDAKSCGACYAVACDSSKTGWCKPGASPVTVTATNFCPPN
WSVPGDGGGWCNPPRQHFDMSQPAWEAIAVYQGGFVPPVRYARAPCRRTGGIRFSVS
GNDYFELVLISNVAGSGAVSAAAVKGSNTDWMPMSRNWGSNWQSNAYLTGQSLSF
QVQTDDGRSVTAYNVAPSNWQFGNMYESSVNFV*

CDS (coding sequence)

>BsyEXPA-03

ATGGAGAAGACGATTTTGGTGGTTTTTCTGGTCCTGTGCGTGTCACAGCTCGGGG
GTTTCAGTGGCCCAGCAGTGGATACCGGCCAACGCCACGTTCTACGGAGGCAGCG
ACGGGTCCGGCGCAATGGGTGGGTCTTGCGGGTACGGCGACCTGAACAAGTACA
ACGGCGCCGGGTACGGGACGTACACGACGGCGCTGAGCGCGACGCTCTACGGCG
ACGCCAAGTCGTGCGGCGCGTGCTACGCCGTCGCCTGCGATTCTCCAAGACCGG
GTGGTGCAAACCGGGGGCGTCCCCGGTCACGGTGACGGCCACCAACTTCTGCCCG
CCCAACTGGTCCGTGCCCGGCGACGGCGGCGGGTGGTGCAACCCGCCGCGGCAG
CACTTCGACATGTCGCAGCCGGCCTGGGAGGCCATCGCCGTCTACCAGGGCGGGT
TCGTGCCCGTCAGGTACGCGCGGGCGCCGTGCCGGAGGACGGGGGGGATCCGGT
TCTCCGTCAGCGGGAACGACTACTTCGAGCTGGTCCTCATCAGCAACGTCGCCGG
CAGCGGCGCCGTGTCGGCGGCGGCCGTGAAGGGATCCAACACGGACTGGATGCC
CATGAGCCGCAACTGGGGCTCCAACCTGGCAGAGCAACGCGTACCTCACGGGCCA
GAGCCTGTCGTTCCAGGTGCAGACCGACGACGGCAGGTCCGTCACGGCGTACAA
CGTCGCGCCGTCCAACCTGGCAGTTCGGCAACATGTACGAGTCCTCCGTCAACTTT
TGGTAG

Nucleotide

>BsyEXPA-03

CGCCTCGTCAACCATGCATGATGCTTCCGTTGGTATAGGAGAACACCCATCGGCT
CGCAGGTCTCGTTGCATGCTTATAAGTAGCAGAGAACACAAAGCTAGGCCTCAGT
ACGCAGCGGATCAGTTTACAAGCCTGATTAATTAGAGAAGCACTCAAGCAGCGTT
AGTTTCAGCAAGATGGAGAAGACGATTTTGGTGGTTTTTCTGGTCCTGTGCGTGTC
ACAGCTCGGGGGTTCAGTGGCCAGCAGTGGATACCGGCCAACGCCACGTTCTAC

GGAGGCAGCGACGGGTCCGGCGCAATGGGTACGTGACATATATTTTCGTTCTCA
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GTTTGGAACCTAACATTTGCTTCCATGCGTTGCATGCCACGAATTAATGCAGGTG
GGTCTTGCGGGTACGGCGACCTGAACAAGTACAACGGCGCCGGGTACGGGACGT
ACACGACGGCGCTGAGCGCGACGCTCTACGGCGACGCCAAGTCGTGCGGGCGCGT
GCTACGCCGTCGCCTGCGATTCTCCAAGACCGGGTGGTGCAAACCGGGGGCGTC
CCCGGTCACGGTGACGGCCACCAACTTCTGCCCCGCCAACTGGTCCGTGCCCCGC
GACGGCGGGCGGGTGGTGCAACCCGCCGCGGCAGCACTTCGACATGTCGCAGCCG
GCCTGGGAGGCCATCGCCGTCTACCAGGGCGGGTTCGTGCCCGTCAGGTACGCG
GGGCGCCGTGCCGGAGGACGGGGGGGATCCGGTTCTCCGTCAGCGGGAACGACT
ACTTCGAGCTGGTCCTCATCAGCAACGTCGCCGGCAGCGGCGCCGTGTCGGCGGC
GGCCGTGAAGGGATCCAACACGGACTGGATGCCCATGAGCCGCAACTGGGGCTC
CAACTGGCAGAGCAACGCGTACCTCACGGGCCAGAGCCTGTCGTTCCAGGTGCA
GACCGACGACGGCAGGTCCGTCACGGCGTACAACGTCGCGCCGTCCAACCTGGCA
GTTCCGGCAACATGTACGAGTCCTCCGTCAACTTTTGGTAGCCCGATGGGGAATCA
CGTGGGCCAAATTGGCAGGCCCGATCCGGTACAAAATGATTGGCCTCGCAGCGG
AAGTGAATGGGCCAATTTGTAAGCATATATATAGTTCAATTCAAATCAATGAAT
TTCTATCACAACACGTA