

IDENTIFICATION

Species: *Brachypodium sylvaticum*

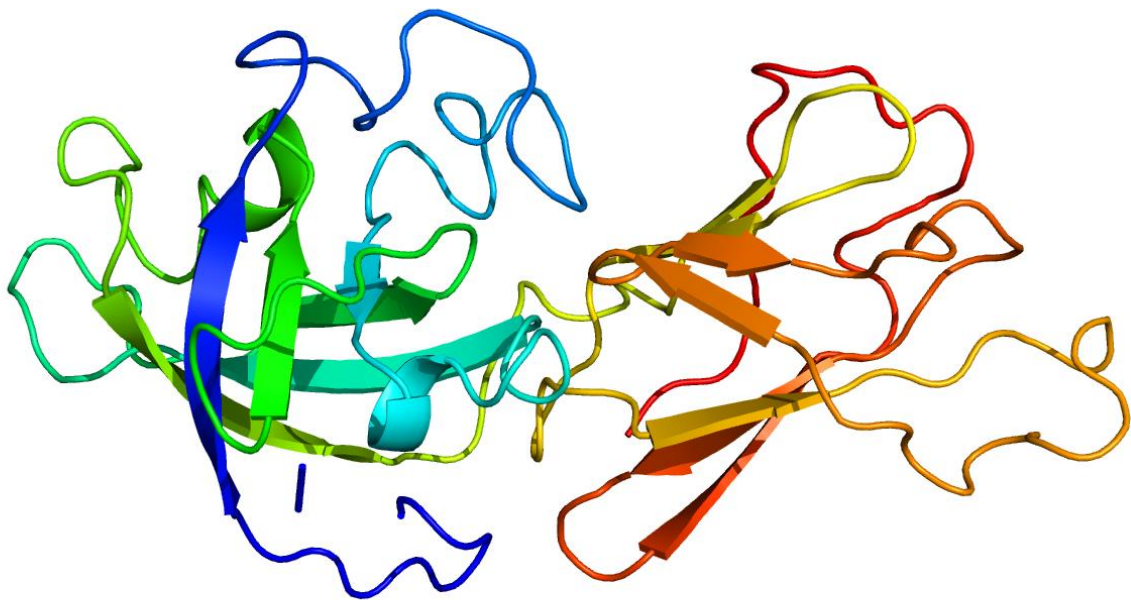
Locus: Brasy4G110700

Gene Model: Brasy4G110700.1.p

Description: BsyEXPA-15

Family: Alpha Expansin

3D structure:



GENOME DATABASES

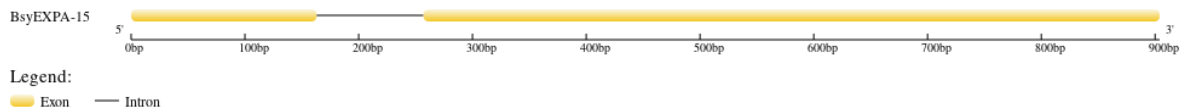
Phytozome: https://phytozome-next.jgi.doe.gov/info/Bsylvaticum_v1_1

KEGG:-

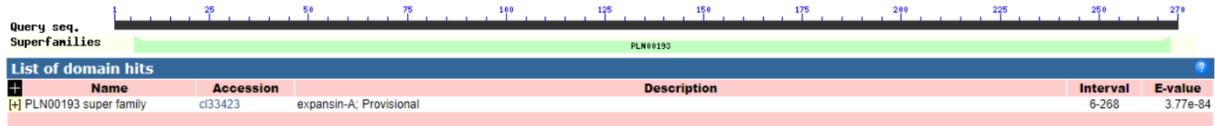
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BsyEXPA-15

MASAPSTATATAILALLVSLLAGAATTAHGRFTAMQWTPAHAIFYGDETA AETMGG
ACGYGNLHTTGYGTDTAALSTTLFLDGHGCGTCYQMRCV GACYPVITVTAT
NLCPPNWEQDSNAGGWCNPPRAHFDLAKPAFMKMAAWRAGIVPVMYRRVPCVRR
GGLRFAFQGNPYWLLVYVMNVAGAGDVRDMWVKGCDGGGGHVQGWVRMSHNW
GAAFQAFGQLGGHALSFKLTSYTTGQTIVATDAAPRSWSVGLTYQARANFS*

CDS (coding sequence)

>BsyEXPA-15

ATGGCTTCTGCTCCGTCCACGGCCACGGCCACGGCCATCCTGGCCCTCCTCGTCTC
CCTGCTGGCCGGCGCGGCCACCACCGCGCACGGCAGGTTACGGCGATGCAGTG
GACCCCGCCCACGCCACCTTCTACGGCGACGAGACCGCGGGCGGAGACCATGGG
CGGGGCGTGCGGGTACGGCAACCTGCACACGACGGGGTACGGCACGGACACGGC
GGCGCTGAGCACGACGCTGTTCTGGACGGCCACGGGTGCGGGACGTGCTACCA
GATGCGGTGCGTGGGGGCGCCGGCCTGCTACCAGGGCTCGCCCGTGATCACGGTC
ACGGCCACCAACCTGTGCCCGCCAACTGGGAGCAGGACTCCAACGCGGGGGG
TGGTGCAACCCGCGCGGCCACTTCGACCTCGCCAAGCCGGCATTTCATGAAGA
TGGCCGCTGGCGCGCCGGCATCGTGCCCGTCATGTACCGCCGGGTGCCCTGCGT
GCGCAGGGGCGGGCTGCGCTTCGCGTTCCAGGGGAACCCGTA CTGGCTGCTCGTC
TACGTTCATGAACGTCGCCGGCGCCGGGACGTCCGGGACATGTGGGTCAAGGGC
TGCGACGGCGGGCGGCCACGTCCAGGGGTGGGTGCGGATGAGCCACA ACTGG
GGCGCCGCGTTCCAGGCCTTCGGCCAGCTCGGCGGCCACGCGCTCAGCTTCAAGC
TCACATCCTACACCACCGGGCAGACCATCGTCGCCACCGACGCCGCGCCGCGGAG
CTGGTCCGTCGGGCTCACCTACCAGGCCCGCGCCA ACTTCTCTTAG

Nucleotide

>BsyEXPA-15

ATGGCTTCTGCTCCGTCCACGGCCACGGCCACGGCCATCCTGGCCCTCCTCGTCTC
CCTGCTGGCCGGCGCGGCCACCACCGCGCACGGCAGGTTACGGCGATGCAGTG
GACCCCGCCCACGCCACCTTCTACGGCGACGAGACCGCGGGCGGAGACCATGGG
TACGTTTCTTGCACGGCCGGCAATGGCAATGGCAACGGCACGCTGCCAGCCAGA

CTCGTTTGCTGACACACATGTGGCACGGTGATACGCAGGCGGGGCGTGCGGGTAC
GGCAACCTGCACACGACGGGGTACGGCACGGACACGGCGGGCGCTGAGCACGACG
CTGTTCCCTGGACGGCCACGGGTGCGGGACGTGCTACCAGATGCGGTGCGTGGGG
GCGCCGGCCTGCTACCAGGGCTCGCCCGTGATCACGGTCACGGCCACCAACCTGT
GCCCGCCCAACTGGGAGCAGGACTCCAACGCGGGGGGGTGGTGCAACCCGCCGC
GCGCCCACTTCGACCTCGCCAAGCCGGCATTTCATGAAGATGGCCGCCTGGCGCGC
CGGCATCGTGCCCGTCATGTACCGCCGGGTGCCCTGCGTGCGCAGGGGCGGGCTG
CGCTTCGCGTTCCAGGGGAACCCGTAAGGCTGCTCGTCTACGTCATGAACGTCG
CCGGCGCCGGGGACGTCCGGGACATGTGGGTCAAGGGCTGCGACGGCGGGCGGCG
GCCACGTCCAGGGGTGGGTGCGGATGAGCCACAACCTGGGGCGCCGCGTTCCAGG
CCTTCGGCCAGCTCGGCGGCCACGCGCTCAGCTTCAAGCTCACATCCTACACCAC
CGGGCAGACCATCGTCGCCACCGACGCCGCGCCGCGGAGCTGGTCCGTCGGGCTC
ACCTACCAGGCCCGCGCCAACCTTCTCTTAG