

IDENTIFICATION

Species: *Brachypodium sylvaticum*

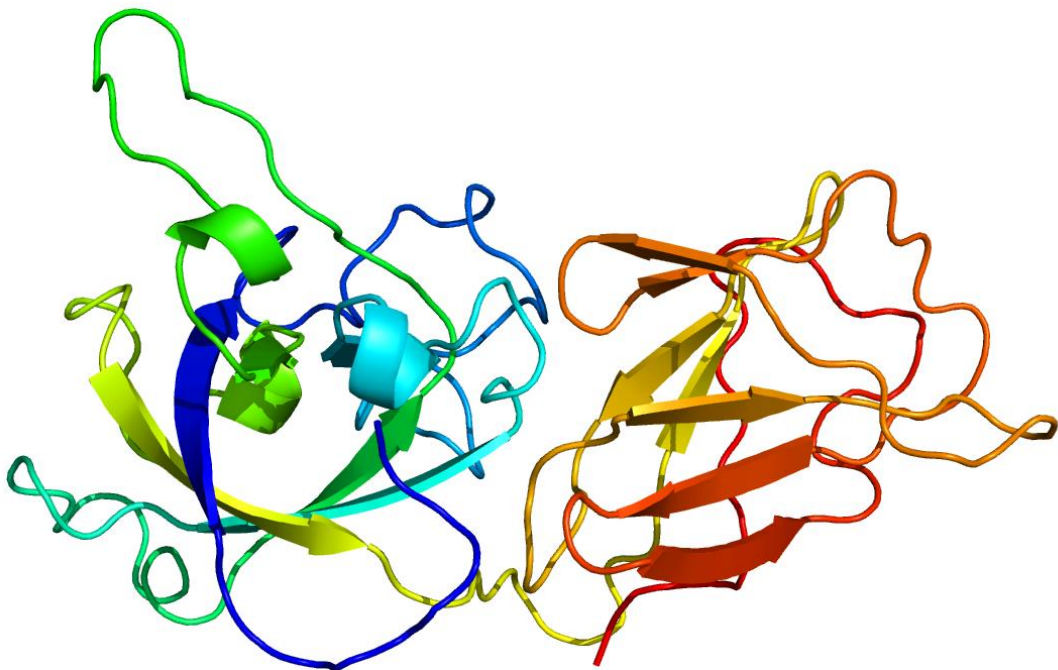
Locus: Brasy4G266700

Gene Model: Brasy4G266700.1.p

Description: BsyEXPA-17

Family: Alpha Expansin

3D structure:



GENOME DATABASES

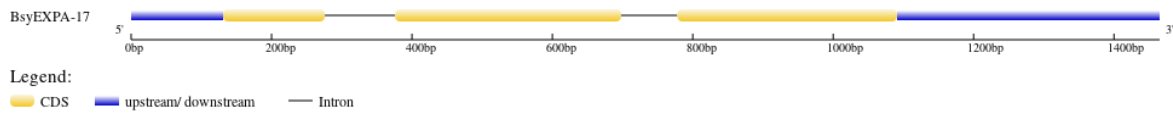
Phytozome: https://phytozome-next.jgi.doe.gov/info/Bsylvaticum_v1_1

KEGG:-

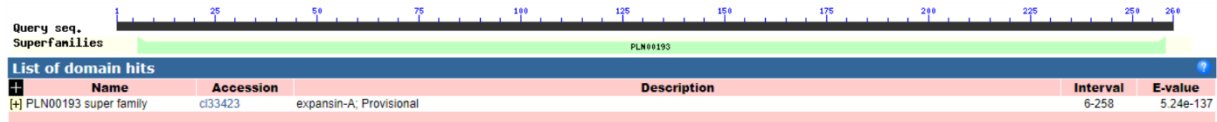
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BsyEXPA-17

MAPAPAQVIAVLLLTAGY TALAGSPPAPVWQRATATFYGGADAAGTMGGACGYG
NLYDEGYGTRSAALSTVLFNDGASCGQCYKIACDRKIDPRWCKPGVTVTITATNFCP
PNNALPNDNGGWCNTPRAHFDMAQPAWEKIGVYRGGIIPVMYQRVPCVKKGGVRF
KINGHDYFNLV LVTNIAAAGSIKSM DVMSSDSKDWAPMSRNWGANWHSLAYLSGK
QLSFRITNTNGQTLLFDKIVPSGWKFGQTFASKVQFN*

CDS (coding sequence)

>BsyEXPA-17

ATGGCGCCGGCTCCAGCTCAAGTGATTGCGGTGTTGCTGCTCACAGCGGGCTATA
CTGCTTTGGCCGGGTCGCCTCCGGCACCGGTCGTTTGGCAGAGGGCGACCGCGAC
GTTCTACGGTGGAGCTGACGCCGCCGGCACCATGGGTGGTGCCTGTGGGTACGGC
AACCTGTACGATGAGGGGTACGGGACCCGGTCGGCGGCGCTGAGCACGGTGCTG
TTCAACGATGGCGCGTCGTGCGGACAATGCTACAAGATTGCGTGTGATCGCAAGA
TAGACCCGAGGTGGTGCAAGCCC GGCGTGACGGTGACAATCACAGCGACAACT
TCTGCCCCGCCAACAATGCCCTTCCGAATGACAACGGCGGATGGTGCAACACACC
AAGGGCGCACTTCGACATGGCGCAGCCGGCCTGGGAGAAGATCGGTGTCTACAG
AGGTGGCATCATTCCGGTCATGTATCAGAGGGTTCCGTGCGTGAAGAAGGGCGGC
GTACGGTTTAAAATCAACGGCCACGACTACTTCAATCTCGTGCTTGTAAACCAACA
TCGCAGCTGCTGGCTCGATAAAAATCGATGGACGTCATGAGCTCCGATTCAAAGA
TTGGGCCCCCATGTACGCAACTGGGGTGCAAACTGGCACTCATTGGCATATCTC
AGCGGGAACAACACTCTCGTTCAGAATAACCAACACAAATGGGCAAACGCTTCTG
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TACAGTTCAATTA

Nucleotide

>BsyEXPA-17

GAGCAGAAGCAAATATCCCACATAGACAAAAGAAGAAACACAAACGAGCAGAG
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GCACGGTGCTGTTCAACGATGGCGCGTTCGTGCGGACAATGCTACAAGATTGCGTG
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AAATCGATGGACGTCATGAGCTCCGATTCAAAGATTGGGCCCCCATGTCACGCA
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CAGAATAACCAACACAAATGGGCAAACGCTTCTGTTTGACAAGATTGTGCCAAGT
GGATGGAAGTTTGGGCAAACATTTGCAAGCAAAGTACAGTTCAATTAATCATTCC
CATCAGATCAATTTATTTATAACGTGGTTGATTTCGATGCAGTACTTGTATATAGAT
GCCGAATGGGTCATGTCATGTACATATAACAATATTAATATTGTGTTGTGTTTATAA
CTCATGGGGTGTATAATTTTAAGGTTGATTGATTCAATCTCAGACAGGAAACTGT
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