

IDENTIFICATION

Species: *Brachypodium sylvaticum*

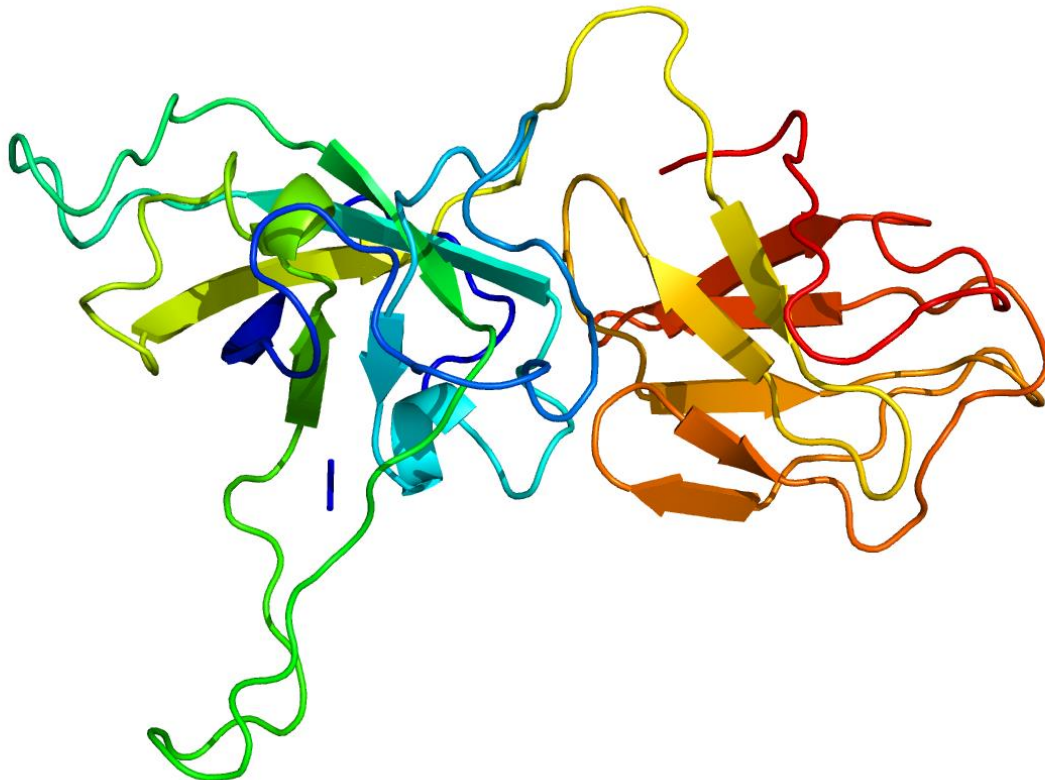
Locus: Brasy2G067900

Gene Model: Brasy2G067900.1.p

Description: BsyEXPA-06

Family: Alpha Expansin

3D structure:



GENOME DATABASES

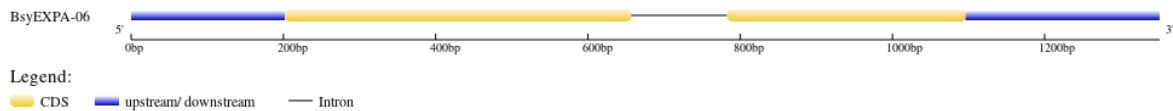
Phytozome: https://phytozome-next.jgi.doe.gov/info/Bsylvaticum_v1_1

KEGG:-

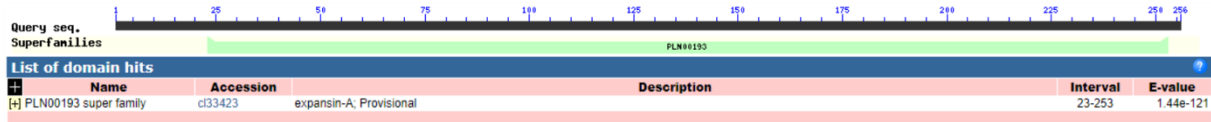
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BsyEXPA-06

MEYYRVLAMLFALAASCGLAPVAKAGWSQGTATFYGGSDASGTMGGACGYGNLY
NTGYGTATAALSTALFNDGASCGQCYLVMCDGSKSNWCKGNGATVTITATNLCPNP
WALPNDNGGWCNPPRPHFDMAQPAWLQIGVYKAGIIPVLYQQVRCWKQGGIRFTIG
GFNSFELVLITNVGGPGSVRAVSIKGERTDWIQLTRNWGANWQCTAALAGQALSFA
VTSTNGETLYMYNVAPSWWQFGTTFTSNNQFSY*

CDS (coding sequence)

>BsyEXPA-06

ATGGAGTACTACAGGGTGCTTGCAATGCTCTTCGCCCTAGCGGCGTCCTGCGGCT
TGGCGCCGGTGGCGAAAGCCGGCTGGAGCCAAGGGACGGCGACGTTCTACGGCG
GCTCCGACGCGTCCGGGACGATGGGCGGCGCGTGCGGGTACGGGAACCTGTACA
ACACGGGGTACGGCACGGCGACGGCGGGCGCTGAGCACGGCGCTGTTCAACGACG
GCGCCTCGTGCGGGCAGTGCTACCTGGTGATGTGCGACGGGTCCAAGTCCAACCTG
GTGCAAGGGCAACGGCGCCACGGTGACCATCACGGCCACCAACCTCTGCCCCGCC
CAACTGGGCCCTCCCCAACGACAACGGCGGCTGGTGCAACCCTCCCCGCCCCCAC
TTCGACATGGCCCAGCCCGCCTGGCTCCAGATCGGCGTCTACAAGGCCGGCATCA
TCCCCGTCTCTACCAGCAGGTGAGGTGCTGGAAGCAGGGAGGGATCAGGTTAC
GATCGGAGGCTTCAACAGCTTCGAGCTGGTGCTGATCACCAACGTGGGCGGGCCG
GGGTCGGTCCGGGCCGTGTCGATCAAGGGGGAGAGGACGGACTGGATCCAGCTG
ACCAGGAAC TGGGGCGCGAACTGGCAGTGACGGCGGGCGCTGGCCGGGCAGGCG
CTCTCCTTTGCCGTCACTTCCACCAATGGCGAGACGCTCTACATGTACAACGTGCG
GCCGTCTGGTGGCAGTTCGGCACCACTTCACCAGCAACAACCAGTTCAGCTAT
TGA

Nucleotide

>BsyEXPA-06

TCGATCGGCACTGGGATATATCTCCATCGAATATGCAGCATGTTCTCTGGCGCCA
TTCCTTGCCTGCTCTGACAATTCCCCGTTCCTCACGCTCCTATTTAACCCACC
CTGCTTCAACTGCAAATGCACCGGTACACTCGATCCAGCCGCTGATCTGAGTTA
CTTCCAAGTGTTCTCTGCACATTAATCTCAGCAGAGATGGAGTACTACAGGGTGC
TTGCAATGCTCTTCGCCCTAGCGGCGTCTGCGGCTTGGCGCCGGTGGCGAAAGC

CGGCTGGAGCCAAGGGACGGCGACGTTCTACGGCGGCTCCGACGCGTCCGGGAC
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CTACCTGGTGATGTGCGACGGGTCCAAGTCCAACCTGGTGCAAGGGCAACGGCGC
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GACAACGGCGGCTGGTGCAACCCTCCCCGCCCCACTTCGACATGGCCCAGCCCC
CCTGGCTCCAGATCGGCGTCTACAAGGCCGGCATCATCCCCGTCTCTACCAGCA
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GATGGTTTTTCGACAGGGTGAGGTGCTGGAAGCAGGGAGGGATCAGGTTACGAT
CGGAGGCTTCAACAGCTTCGAGCTGGTGCTGATACCAACGTGGGCGGGCCGGG
GTCGGTCCGGGCCGTGTTCGATCAAGGGGGAGAGGACGGACTGGATCCAGCTGAC
CAGGAACTGGGGCGCGAACTGGCAGTGCACGGCGGCGCTGGCCGGGCAGGCGCT
CTCCTTTGCCGTCCTTCCACCAATGGCGAGACGCTCTACATGTACAACGTCGCG
CCGTCCTGGTGGCAGTTCGGCACCCACCTTACCAGCAACAACAGTTCAGCTATT
GATTAACCAGTTGAGTAATTCATTAGCGATCGAATTCGTCTGCGAGCAAGCAGCA
CACGAATCGACCAATCGGTCGAACTCAAGTTGGAGAAATATTTCTTCTTTTGT
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TATGCTAGTATATGAGCTCAGATGTTGCTTGCTGGGATTATTCTCTTTTGTGAT
TTAACAGCTAATCAACGACGTAACATAATAATGAG