

IDENTIFICATION

Species: *Sorghum bicolor*

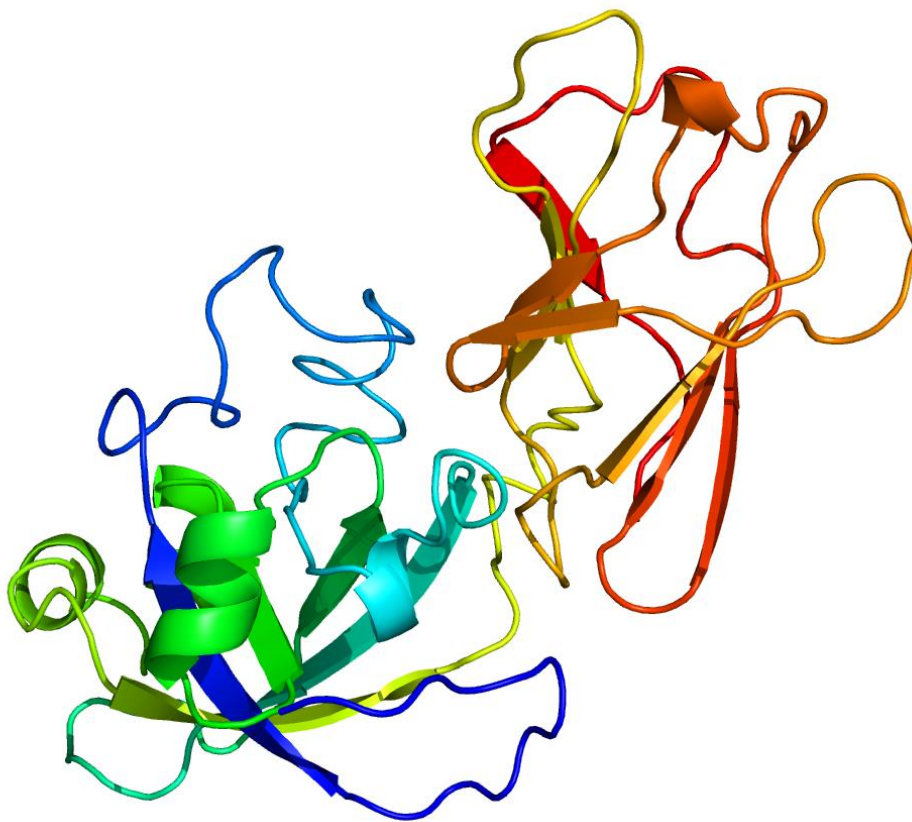
Locus: Sobic.006G171100

Gene Model: Sobic.006G171100.1.p

Description: SbEXPB-39

Family: Beta Expansin

3D structure:



GENOME DATABASES

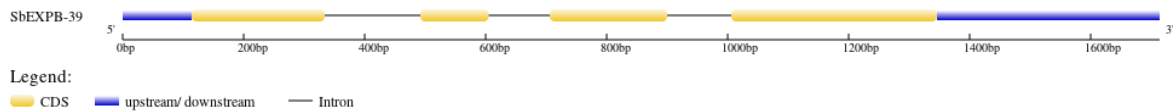
Phytozome: https://phytozome-next.jgi.doe.gov/info/Sbicolor_v3_1_1

KEGG: <https://www.genome.jp/entry/T01086>

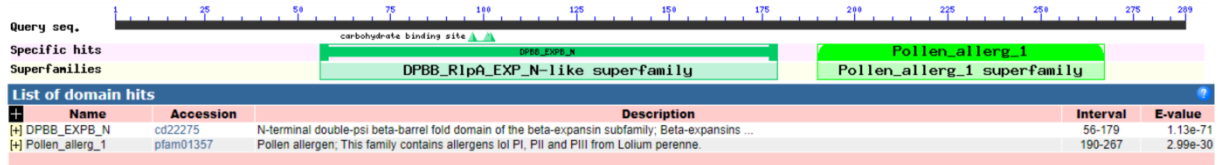
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SbEXPB-39

MATPVTFRDGVFAVLPILTLLVSPISCYENPRSVSLRNRTTTSRYTSTPARAADRWYS
GGATWYGYGSPYGAGSDGGACGYQGTVSQRPFSSMIAAGGPSLFFKNGNGCGACYQIKC
AGNKACSVRPVTVTITDSCPGGVCLARTAHFDMMSGTAFGAMANRGMADRLRAAGIL
KIQYKRVSCNYNNGAMGGIAFKVDRGSNPFYLAVLIQYLNGDGDLA AVHIMQQGGA
WTPMQHSWGAMWRANSNTGKPLRAPFSVRLISGSGKVLVVRNAIPAGWRAGMTY
WSTVNYAT*

CDS (coding sequence)

>SbEXPB-39

ATGGCTACTCCAGTGACATTCCGAGATGGCGTATTCGCGGTGCTGCCAATCCTGA
CACTTCTTGTAAGCCCCATTTCCTGCTATGAGAATCCGAGGTCCGTGTCTCTTAGG
AATCGCACTACCACCAGCCGGTACACCTCAACGCCGGCCAGAGCCGCCGATCGAT
GGTACTCGGGCGGCGCGACGTGGTATGGGAGCCCTTACGGCGCCGGCAGCGACG
GCGGTGCGTGCGGCTATCAAGGTACCGTCAGCCAGCGCCCGTTCTCGTCGATGAT
CGCCGCCGGCGGTCCCTTCACTTTTCAAGAACGGCAATGGCTGCGGCGCATGCTAT
CAGATCAAGTGCGCCGGCAACAAGCCTGTTCCGTTCCGGCCAGTGACTGTTACCA
TCACCGACTCCTGCCCTGGTGGCGTCTGCCCTCGCCAGGACGGCGCACTTTGACAT
GAGCGGCACTGCCTTCGGCGCCATGGCCAACCGCGGCATGGCCGACCGCCTCCGC
GCCGCCGAATCCTCAAGATCCAATACAAGAGGGTGTCGTGCAACTACAATAAT
GGCGCCATGGGAGGAATTGCCTTCAAGGTGGACCGGGGCTCCAACCCGTTCTACC
TCGCCGTGCTGATCCAGTACCTGAACGGCGACGGTGACCTCGCCGCGGTGCACAT
CATGCAGCAGGGCGGCGCGTGGACGCCGATGCAGCACTCGTGGGGCGCCATGTG
GCGCGCAACTCCAACACCGGCAAGCCGCTGCGCGCCCCGTTCTCGGTCCGACTC
ATCTCCGGCTCCGGCAAGGTGCTCGTCGTCAGGAACGCCATCCCCGCCGGTTGGC
GCGCCGGTATGACATACTGGTCAACGGTGAACACTACGCCACCTAA

Nucleotide

>SbEXPB-39

ATAAGTCATCAATAGCAAGAGTCTAGCTCAACTAAAGACGACTATCGATACGTAC
AATTAGCTATAGGAGGACGTCGACGGTGTGCCCCCTCCACAGGAGAGATAGAT
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CCTGACACTTCTTGTAAGCCCCATTTCTGCTATGAGAATCCGAGGTCCGTGTCTC
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ATAAACACTGATACAAGTGTGTGTGTACTGCTGTACGAATACGAAGATCAAGTG
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TGCCCTGGTGGCGTCTGCCTCGCCAGGACGGCGCACTTTGACATGAGCGGCACTG
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CCTCAAGATCCAATACAAGAGGTGCTGCTGAGTTTGAAGTTTGAAGTGGCCATGC
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