

IDENTIFICATION

Species: *Sorghum bicolor*

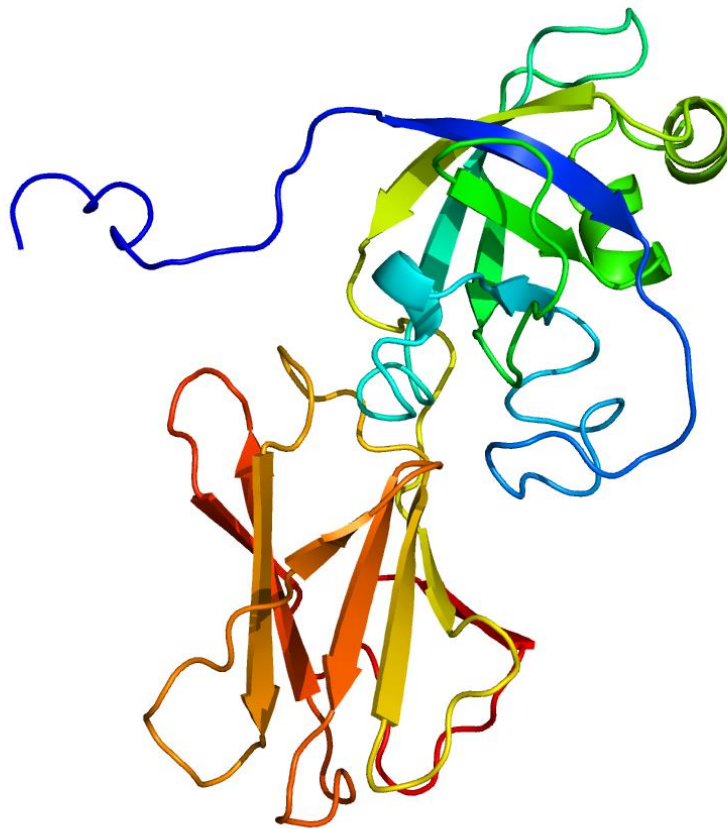
Locus: Sobic.001G306400

Gene Model: Sobic.001G306400.1.p

Description: SbEXPB-15

Family: Beta Expansin

3D structure:



GENOME DATABASES

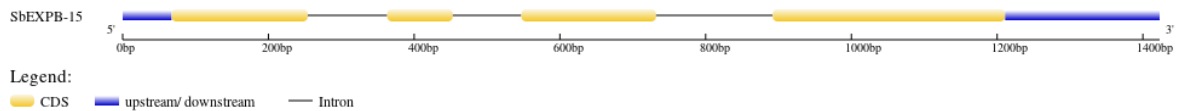
Phytozome: https://phytozome-next.jgi.doe.gov/info/Sbicolor_v3_1_1

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

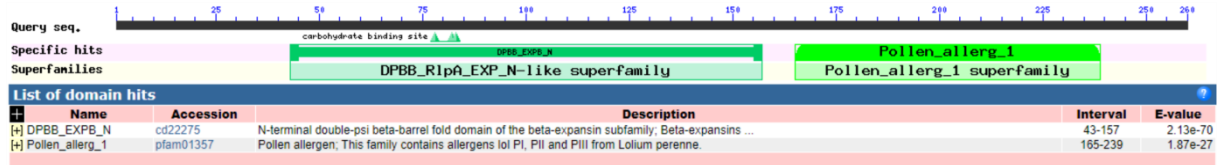
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SbEXPB-15

MGSLANKIVVVAAVLSALVGGGSCAPKKFPPGPNITTNYNQWLVARATWYGQPN
GGACGIKNVNLPPYSGFTACGNVPIFKDGKGCSCYEVRCCKEMPECSGNPITVFITDM
NYEPIAPYHFDFSGKAFGSLAKPGLNDKLRHCGIMNVEFRRVRCCLGGKIMFHVEKG
SNPNYLAVLVKNVADDGNIVLMELEDKASPGFKPMKLSWGAVWRFDTPKPIKGPFSI
RLTSESGKKLVAPNVIPATWKPDLYNSNIQF*

CDS (coding sequence)

>SbEXPB-15

ATGGGATCCCTCGCCAACAAAATCGTGGTCGTGGCGGCTGTCCTTTCAGCGCTCG
TCGGTGGCGGCTCGTGC GCGCCCAAGAAGTCCCACCTGGCCCCAACATCACAAC
CAACTACAACGGCCAGTGGCTCGTCGCCAGGGCCACCTGGTATGGCCAGCCCAAC
GGCGGTGCGTGCGGGATCAAGAACGTGAACCTGCCACCCTACAGCGGCTTCA
GCCTGCGGTAACGTCCCCATCTTCAAGGACGGCAAAGGCTGCGGCTCATGCTACG
AGGTGAGATGCAAGGAAATGCCGGAGTGTTTCGGGCAACCCGATCACGGTGTTCA
TCACCGACATGAAGTACGAGCCATCGCACCCCTACCACTTCGACTTCAGCGGCAA
GGCCTTTGGCTCCCTGGCAAAGCCCGGGCTCAACGACAAGCTCCGCCACTGCGGC
ATCATGAACGTGGAGTTCAGGAGGGTGC GGTGCAAGCTTGGGGGCAAGATCATG
TTCCACGTTGAGAAGGGGTCCAACCCCAACTACCTGGCCGTGCTGGTCAAGAACG
TGGCGGACGACGGCAACATTGTGCTCATGGAACCTCGAGGACAAGGCGTCGCCGG
GGTTCAAGCCGATGAAGCTCTCCTGGGGCGCTGTCTGGAGGTTTGACACACCCAA
GCCGATCAAGGGCCCCTTCTCCATCCGCCTCACCAGCGAGTCCGGCAAGAAGCTC
GTCGCCCCAAACGTCATCCCGGCAACCTGGAAGCCCGACACCCTCTACAACCTCA
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Nucleotide

>SbEXPB-15

TCACAAACACACACAGAGCGAAATTCGTTCGAACATCACAGTTGAGTGCAAAGAA
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GTCGTCCTGCATGTAGGGTGCGGTGCAAGCTTGGGGGCAAGATCATGTTCCACGT
TGAGAAGGGGTCCAACCCCAACTACCTGGCCGTGCTGGTCAAGAACGTGGCGGA
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GTGATCCCTGTTGTTGTTCCGGGTTTCATGATCAAATTCCAAACAGTGGAAAATAAA
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