

IDENTIFICATION

Species: *Sorghum bicolor*

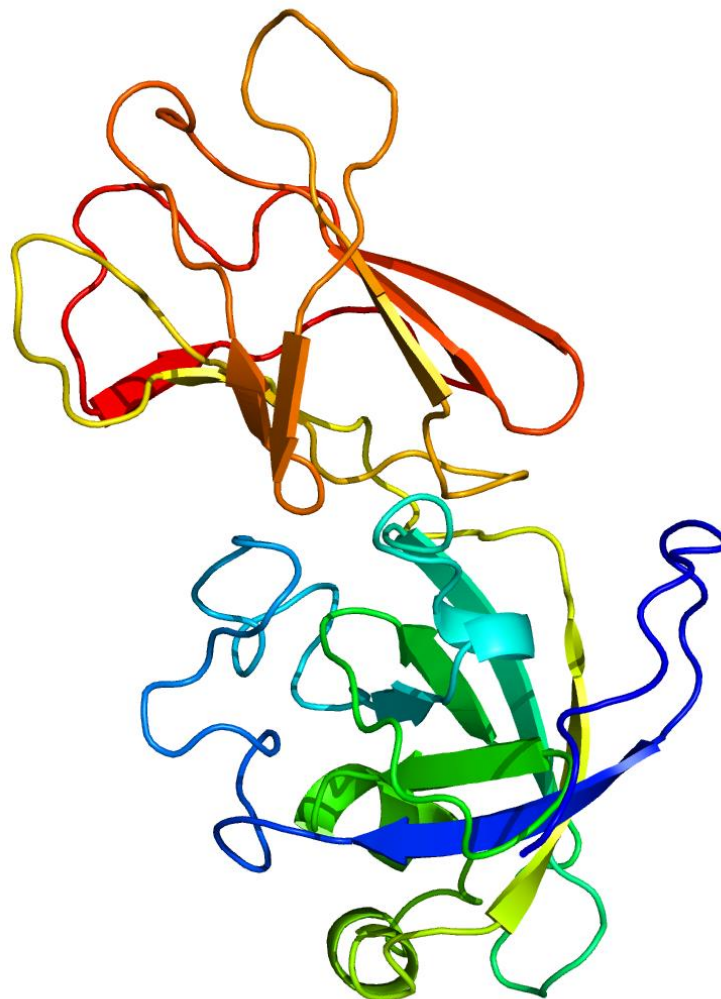
Locus: Sobic.001G306200

Gene Model: Sobic.001G306200.2.p

Description: SbEXPB-14

Family: Beta Expansin

3D structure:



GENOME DATABASES

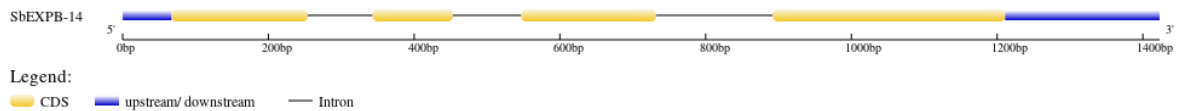
Phytozome: https://phytozome-next.jgi.doe.gov/info/Sbicolor_v3_1_1

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

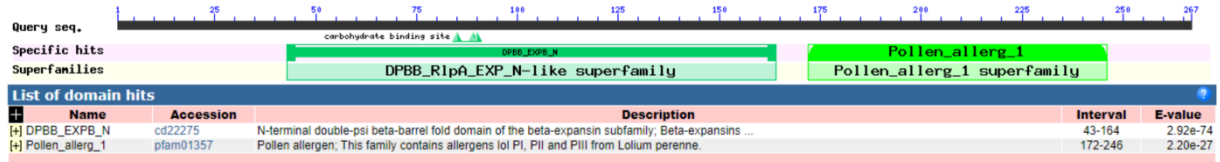
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SbEXPB-14

MGSLANKIVVVAAVLSALVGGGSCAPKKFPPGPNITTNYNQWLVARATWYGQPN
GAGPDDNGGACGIKVNLPYSGFTACGNVPIFKDGGKCGSCYEVRCCKEMPECSGNP
ITVFITDMNYEPIAPYHFDFSGKAFGSLAKPGLNDKLRHCGIMNVEFRRVRCKLGGKI
MFHVEKGSNPNYLAVLVKNVADDGNIVLMELEDKASPGFKPMKLSWGAVWRFDTP
KPIKGFPSIRLTSSESGKKLVAPNVIPATWKPDLYNSNIQF*

CDS (coding sequence)

>SbEXPB-14

ATGGGATCCCTCGCCAACAAAATCGTGGTCGTGGCGGCTGTCCTTTCAGCGCTCG
TCGGTGGCGGCTCGTGC GCGCCCAAGAAGTCCCACCTGGCCCCAACATCACAAC
CAACTACAACGGCCAGTGGCTCGTCGCCAGGGCCACCTGGTATGGCCAGCCCAAC
GGCGCTGGCCCTGACGACAACGGCGGTGCGTGC GGGATCAAGAACGTGAACCTG
CCACCCTACAGCGGCTTCACAGCCTGCGGTAACGTCCCCATCTTCAAGGACGGCA
AAGGCTGCGGCTCATGCTACGAGGTGAGATGCAAGGAAATGCCGGAGTGTTCCG
GCAACCCGATCACGGTGTTTCATCACCGACATGAACTACGAGCCCATCGCACCCCTA
CCACTTCGACTTCAGCGGCAAGGCCTTTGGCTCCCTGGCAAAGCCCGGGCTCAAC
GACAAGCTCCGCCACTGCGGCATCATGAACGTGGAGTTCAGGAGGGTGCGGTGC
AAGCTTGGGGGCAAGATCATGTTCCACGTTGAGAAGGGGTCCAACCCCAACTACC
TGGCCGTGCTGGTCAAGAACGTGGCGGACGACGGCAACATTGTGCTCATGGAAC
CGAGGACAAGGCGTCGCCGGGTTCAAGCCGATGAAGCTCTCCTGGGGCGCTGT
CTGGAGGTTTGACACACCCAAGCCGATCAAGGGCCCCTTCTCCATCCGCCTCACC
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CCCGACACCCTCTACAACCTCCAACATCCAGTTCTAA

Nucleotide

>SbEXPB-14

TCACAAACACACACAGAGCGAAATTCGTTCGAACATCACAGTTGAGTGCAAAGAA
GACACAAGCGACGATGGGATCCCTCGCCAACAAAATCGTGGTCGTGGCGGCTGT
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CCCAACATCACAACCAACTACAACGGCCAGTGGCTCGTCGCCAGGGCCACCTGGT
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TCATGAACGTGGAGTTCAGGAGGTAAATGCATATATTTTTTCATGCATGCTATATT
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GTCGTCCTGCATGTAGGGTGCGGTGCAAGCTTGGGGGCAAGATCATGTTCCACGT
TGAGAAGGGGTCCAACCCCAACTACCTGGCCGTGCTGGTCAAGAACGTGGCGGA
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CAAACGTCATCCCGGCAACCTGGAAGCCCGACACCCTCTACAACCTCCAACATCCA
GTTCTAATAGACTTTGCATGCATGCCCTTCATCCGGCAGCAAGCCAAGTTGGCCG
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GTGATCCCTGTTGTTGTTCCGGGTTTCATGATCAAATTCCAAACAGTGGAAAATAAA
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