

IDENTIFICATION

Species: *Sorghum bicolor*

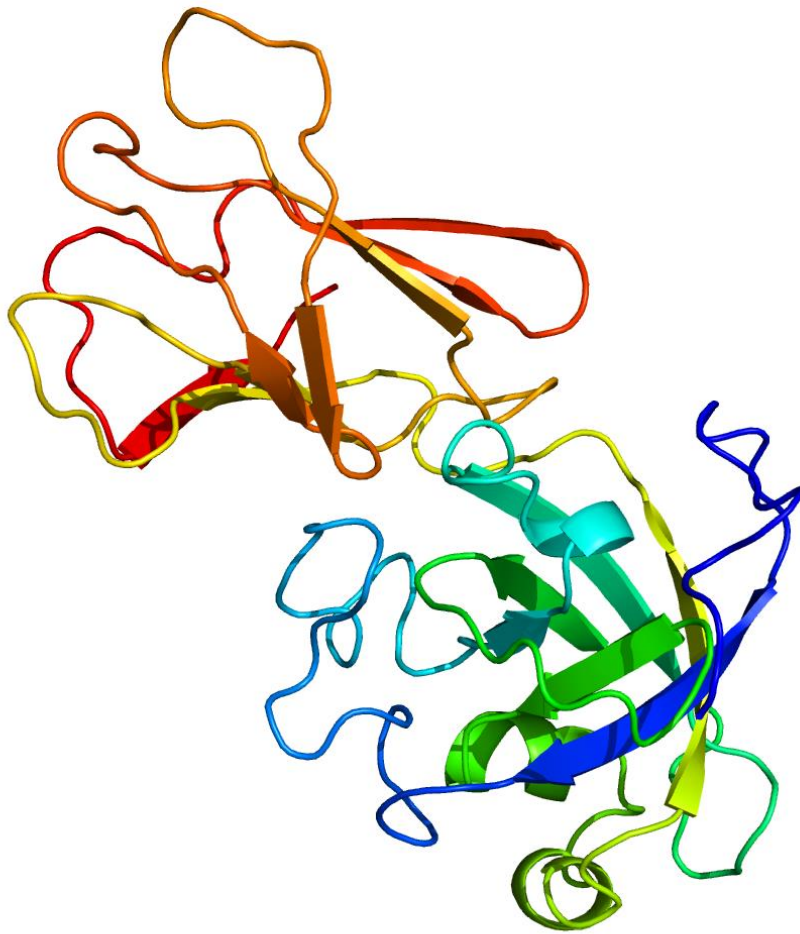
Locus: Sobic.001G540000

Gene Model: Sobic.001G540000.2.p

Description: SbEXPB-23

Family: Beta Expansin

3D structure:



GENOME DATABASES

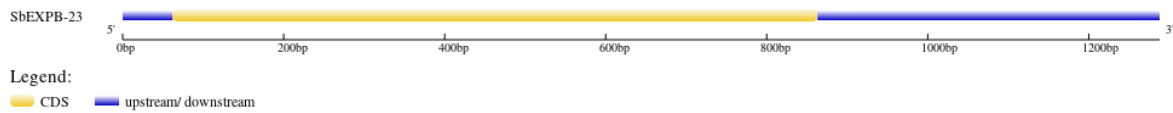
Phytozome: https://phytozome-next.jgi.doe.gov/info/Sbicolor_v3_1_1

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

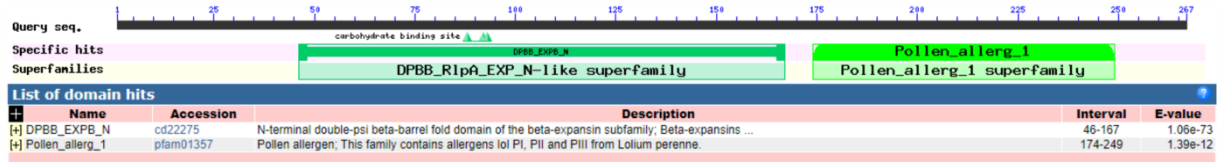
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SbEXPB-23

MGVNMMSWSMQVAVVVVALAFLVGGAWCGPPKVAPGKNITATYGSDWLEAKATW
YGKPTGAGPDDNNGGACGYKDVNKAPFNSMGACGNLPIFKDGLGCGSCFEIKCNKPA
ECSGEAVVVHITDMNYEQIAAYHFDLAGTAFGAMAKKGEEELRKAGIIDMQFRRV
KCKYGEKVTFHVEKGSNPNYLALLVKYVDGDGDVVGVDIKEKGGDAYQSLKHSWG
AVWRKSDSKPIKFPVTVQITTEGGTKTAYEDVIPEGWKADTTYTAK*

CDS (coding sequence)

>SbEXPB-23

ATGGGAGTGAACATGATGTCGTGGTTCGATGCAGGTGGCGGTGGTGGTGGCGCTG
GCGTTTCTGGTGGGCGGCGCATGGTGCGGTCCTCCTAAGGTTGCCCCGGGCAAGA
ACATCACGGCCACCTACGGCAGCGACTGGCTGGAAGCGAAGGCGACATGGTACG
GCAAGCCGACGGGCGCCGGCCCCGACGACAACGGCGGCGCGTGCGGGTACAAGG
ATGTGAACAAGGCCCCCTTCAACAGCATGGGCGCGTGTGGCAACCTCCCCATCTT
CAAGGACGGCCTCGGCTGCGGCTCTTGCTTTGAGATCAAGTGCAACAAGCCGGCC
GAGTGCTCTGGTGAGGCCGTGGTGGTGCACATCACAGACATGAACTACGAGCAA
ATCGCCGCTACCACTTCGATCTGGCCGGCACGGCGTTCGGCGCCATGGCCAAGA
AGGGCGAGGAGGAGAAGCTGCGCAAGGCGGGCATCATCGACATGCAGTTTCGCC
GGGTCAAGTGCAAGTACGGCGAAAAGGTCACCTTCCACGTGGAGAAGGGGAGCA
ACCCAATTACCTGGCATTGCTGGTCAAGTATGTCGATGGTGACGGTGACGTTGT
GGGGGTGGACATCAAGGAGAAGGGTGGCGACGCGTACCAGTCCCTTAAGCACTC
CTGGGGCGCTGTCTGGAGGAAGGACAGCGACAAGCCATCAAGTTCCCCGTCACT
GTCCAATCACCACCGAGGGAGGCACCAAGACTGCCTACGAAGACGTCATCCCC
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Nucleotide

>SbEXPB-23

ATATTCATCGCCTCACAAATTACATACATCACATACCATCCACCGATCGACGATCC
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GGCAAGAACATCACGGCCACCTACGGCAGCGACTGGCTGGAAGCGAAGGCGACA
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GCACTCCTGGGGCGCTGTCTGGAGGAAGGACAGCGACAAGCCCATCAAGTTCCC
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CATCCCCGAAGGCTGGAAGGCCGACACCACCTACACCGCCAAATAAGCTATCCA
ACAGATCTACGACTGCTCTGGTCTAGGTTGGATTGGATCGCAACTTCCCAAGCAA
TGCATTACACTTATGCATGGATTGATCCATGCATAATGCTTATTTTTTACTGCTGC
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CAGGTGTCCATGGATCTCCCATGTAATCTCAATTTTATCATGCCTATATTTAAGT
GAATACACATTTTTTCAAGACTAACTGAAAT