

IDENTIFICATION

Species: *Sorghum bicolor*

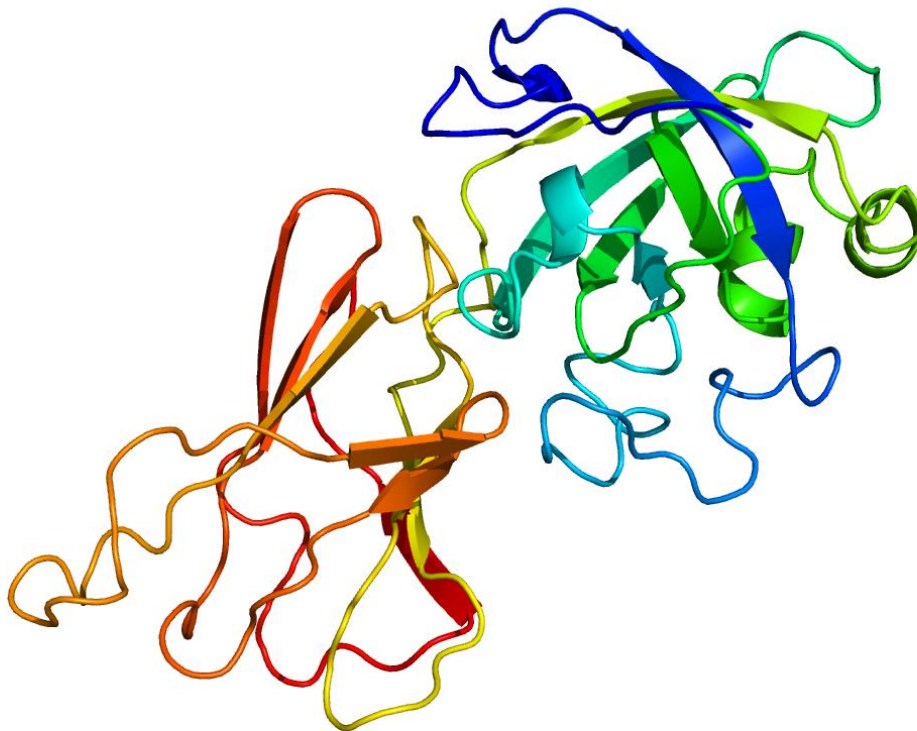
Locus: Sobic.001G542200

Gene Model: Sobic.001G542200.2.p

Description: SbEXPB-25

Family: Beta Expansin

3D structure:



GENOME DATABASES

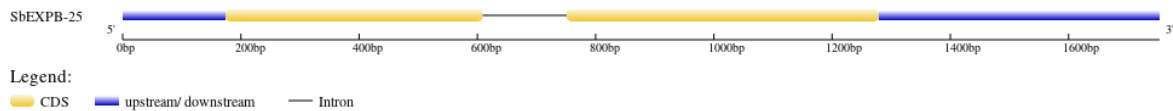
Phytozome: https://phytozome-next.jgi.doe.gov/info/Sbicolor_v3_1_1

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

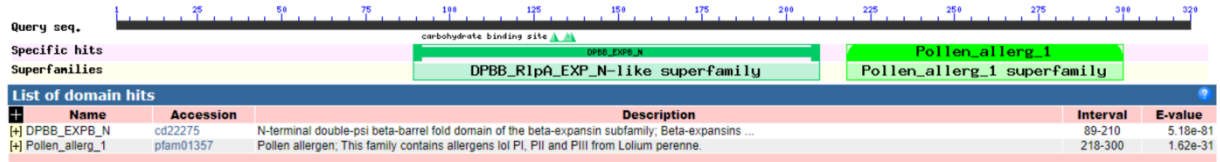
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SbEXPB-25

MAVRLWSSSLSSRAVAAALLCLLVAHGSNCAKHSGGKSHKGGGGHAHAAPTSP
PAAPPPAVVYPTPTTPPPPPASSSNGSGGGGGWLNARATWYGAPNGAGPDDNGGA
CGFKGVNLPFSAMTSCGNEPLFKDGKGCSCYQIRCKAHPACSGVPETVIITDMNY
YPVAPYHFDLSGTAFGAMAKDDRNDLRHAGIIDIQFKRVPCQYPGLTVTFHIERGSN
PNYLAVLVEYGNLGDVQVQVLDLMESRTDDGEPTGVWPEMRESWGSIWMDTRRPL
QGPFSLRVTNESGKTLVADQVIPADWQPDNVYSSIVQFD*

CDS (coding sequence)

>SbEXPB-25

ATGGCGGTACGACTGTGGTGGTCGTCGTCCTTGTCTCCCGCGCCGTCGCTGCAG
CGCTGCTGTGCCTGCTGGTGGCTCACGGCAGCAACTGCGCCAAGCATTCCGGCGG
CAAGAGCCACAAGGGTGGAGGTGGACATGCCCATGCCGCGCCGACCCCGTCTCC
GCCGGCGGCTCCTCCACCAGCCGTCGTCTACCCGACGCCGCCACCCTCCTCCG
CCTCCGCGGCAAGCAGCAGCAACGGCAGTGGTGGTGGTGGTGGTGGTGGTGAAC
GCCCGTGCAGCATGGTACGGCGCCCCAACGGGGCGGGGCCGACGACAATGGT
GGCGCGTGCGGCTTCAAGGGCGTCAACCTCCACCTTTCTCGGCGATGACGTCCT
GCGGCAACGAGCCACTCTTCAAGGACGGCAAAGGATGCGGCTCATGCTACCAGA
TCCGTTGCAAGGCCACCCTGCTTGCTCCGGCGTGCCGGAGACGGTGATCATCAC
GGACATGAATACTACCCCGTGGCCCCCTACCACTTCGACCTCAGCGGCACCGCC
TTCGGAGCCATGGCAAAGACGACCGCAACGACGAGCTGCGCCACGCAGGCATC
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CAACGGCGACGGCGACGTCGTGCAGGTCGACCTCATGGAGTCCCGCACCGACGA
CGGCGAGCCACC GGCGTGTGGGAGCCCATGCGCGAGTCCTGGGGCTCCATCTGG
AGGATGGACACGCGACGCCCGCTGCAGGGACCCTTCTCGCTGCGCGTACCAACG
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ACAACGTCTACAGCTCTATCGTCCAGTTCGACTGA

Nucleotide

>SbEXPB-25

TGGCCGCGATGCAATCCCGCCGGCTGGCCTCATGCATGTCTCCTATATATAAATA
CACGAGACATGCTAACCGACGGCAGGCCCATCGATCCACCACACACCAAGCAGA
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TGCTACCAGGTACGTACGTCTTATTATTTGCCATTGCCAGTACGCAACAACGTAC
GTAGTCATGCAATTAATGCGTGCCAGCTAGCTACTGTACTGTACACATGCAATGG
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TACCCCGTGGCCCCCTACCACTTCGACCTCAGCGGCACCGCCTTCGGAGCCATGG
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CGGCTCCAACCCAACTACCTGGCCGTGCTCGTCGAGTACGGCAACGGCGACGGC
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