

IDENTIFICATION

Species: *Sorghum bicolor*

Locus: Sobic.006G171200

Gene Model: Sobic.006G171200.1.p

Description: SbEXPB-40

Family: Beta Expansin

3D structure:



GENOME DATABASES

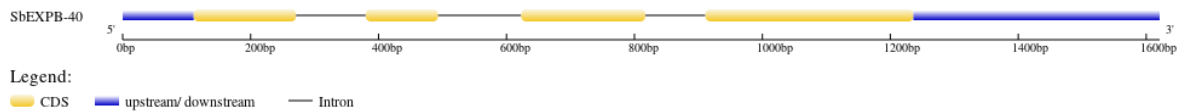
Phytozome: https://phytozome-next.jgi.doe.gov/info/Sbicolor_v3_1_1

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

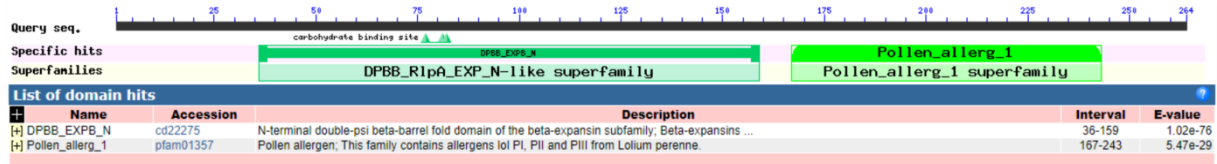
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SbEXPB-40

MASKSQLLSFIAIAALASIIHPCASVEFHRKLSSWSSGGATWYGAATGAGSDGGACG
YRGAVDQAPFSSMIAAGSPSIYNSGKGCSCFQVKCTGNGACSGNPVTVVITDECPG
GACLNPEPGHFDMSGTAFGAMANPGQADKLRNAGVLQIQYTRVPCNWPGVKLTFFV
DAGSNPEYFAVLIKYVNGDGDLSAVDLMQTGAGALWASMQPSWGA VWKFNAGSA
LQAPLSIRLTSSSGKQLVASNVIPAGWTPGATYQSSVNY*

CDS (coding sequence)

>SbEXPB-40

ATGGCTTCCAAGTCCCAGCTCCTGTCCTTCATTGCGATTGCGGCTCTAGCCTCGAT
CATCATCCACCCTTGTGCATCCGTCGAGTTTCACCGCAAGCTCTCCAGCTGGTCCA
GCGGCGGCGCGACGTGGTACGGCGCCGCTACTGGGGCTGGAAGTGATGGTGGTG
CATGCGGGTACCGAGGTGCCGTCGACCAGGCGCCCTTCTCGTCCATGATCGCCGC
GGGAAGCCCTTCCATCTACAACCTCCGGCAAGGGCTGCGGCTCTTGCTTCCAGGTC
AAATGCACCGGCAATGGCGCGTGCTCCGGCAACCCAGTGACCGTCGTCATCACCG
ATGAATGCCCTGGCGGTGCGTGCCCTCAACGAGCCGGGCCACTTCGACATGAGCGG
AACGGCATTTCGGCGCCATGGCGAACCCCGGCCAGGCCGACAAGCTGCGCAACGC
CGGCGTCTCCAAATCCAGTACACCCGTGTGCCATGCAACTGGCCTGGCGTGAAG
CTAACCTTCGTGGTTCGACGCGGCTCGAACCCGGAGTACTTCGCCGTGCTCATT
AGTACGTGAACGGCGACGGCGACCTCTCCGCCGTGACCTCATGCAGACCGGGG
CTGGGGCGTTGTGGGCGTCCATGCAGCCGTCGTGGGGCGCCGTCTGGAAGTTCAA
CGCCGGGTTCGGCCTTGCAGGCGCCCTTGTCCATCCGCCTGACGTCGAGCTCCGGC
AAGCAGCTCGTCGCCAGCAACGTCATCCCCGCGGGTGGACGCCCGGCGCCACCT
ACCAGTCTCTGTCAACTACTAA

Nucleotide

>SbEXPB-40

TCACAGTCTCACGCACCACTTCTCATCTACTTGCGCCCTCTCCAATCCAATCAT
CCCTTGCAAAACCACGACATAACAGCAAGCCACAGGAGTGAGCAACGACGGCGGC
TATGGCTTCCAAGTCCCAGCTCCTGTCTTCATTGCGATTGCGGCTCTAGCCTCGA
TCATCATCCACCCTTGTGCATCCGTCGAGTTTCACCGCAAGCTCTCCAGCTGGTCC

AGCGGCGGCGCGACGTGGTACGGCGCCGCTACTGGGGCTGGAAGTGATGGTATG
TCTAGTGACAATATTACATTGACCAAACATCATGCTGTGTCAAAGAATTATTC
CTCATTTGGTCATTTCTCAACGATCGACCTGATGATCGATACACGTAGGTGGTGC
ATGCGGGTACCGAGGTGCCGTCGACCAGGCGCCCTTCTCGTCCATGATCGCCGCG
GGAAGCCCTTCCATCTACAACCTCCGGCAAGGGCTGCGGGCTCTTGCTTCCAGGTGC
GTGCGTGTGTACACTTGTGTGTATTGTACCCGCTGGCGCCTGACGCATCACGCAT
ATATATATATATATATATATATGATGATTCGAACTAATAACGTGGTTGGGAATAAAT
CAACGTTGGCACACAGGTCAAATGCACCGGCAATGGCGCGTGTCTCCGGCAACCC
AGTGACCGTCGTCATCACCGATGAATGCCCTGGCGGTGCGTGCCTCAACGAGCCG
GGCCACTTCGACATGAGCGGAACGGCATTGGCGCCATGGCGAACCCCGGCCAG
GCCGACAAGCTGCGCAACGCCGGCGTCCTCCAAATCCAGTACACCCGGTAGGAA
CTTGTCTCGACCATGTAGCTAGCATAACGGCACTTGTGCACTATTCCAATAAC
CGCGCCAAACACTGTCCTTTATTACGTACAGTGTGCCATGCAACTGGCCTGGCGT
GAAGCTAACCTTCGTGGTTCGACGCCGGCTCGAACCCGGAGTACTTCGCCGTGCTC
ATTAAGTACGTGAACGGCGACGGCGACCTCTCCGCCGTCGACCTCATGCAGACCG
GGGCTGGGGCGTTGTGGGCGTCCATGCAGCCGTCGTGGGGCGCCGTCTGGAAGT
CAACGCCGGGTTCGGCCTTGCAGGCGCCCTTGTCCATCCGCCTGACGTCGAGCTCC
GGCAAGCAGCTCGTCGCCAGCAACGTCATCCCCGCCGGGTGGACGCCCGGCCG
ACCTACCAGTCTCTGTCAACTACTAAATCCAGAATTATATACTGCAAGTACGCA
TGCATGCATATCTGATCAGTGCGCGCAGCATGCATACACATATATAAGTTGATAA
GTCGTCTCGTGTGTGATAGCTTGTACTGTGTGTGTGTGTGGACTCTCGCTAGCTAG
TCACAACCTACAACACAGTGGTTGCAGCTTAAGCTTGGCGAAGGTGCAACAAGC
AGCAATATAATAATGGCAGAGGCAGAGCAGGAGGAGGCGCAGCATAACGAGTATA
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GTTGTTGAATGGTGATTGCTTAATGCA