

IDENTIFICATION

Species: *Sorghum bicolor*

Locus: Sobic.001G300800

Gene Model: Sobic.001G300800.2.p

Description: SbEXPB-05

Family: Beta Expansin

3D structure:



GENOME DATABASES

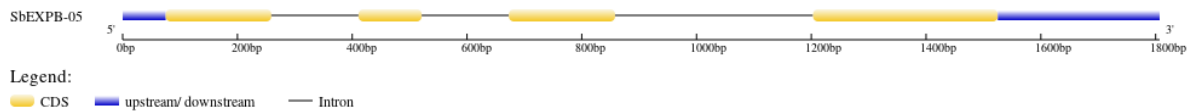
Phytozome: https://phytozome-next.jgi.doe.gov/info/Sbicolor_v3_1_1

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

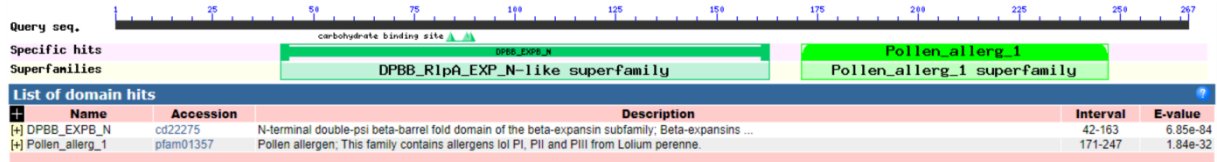
EXTERNAL RESOURCES

-

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SbEXPB-05

MATTFSSKAVAFAAIFSFLVITYGSCARPVSFNASDFTADPNWEAARATWYGAPTGA
GPDDDGGACGFKNVNLPFSAMTSCGNEPLFKDGGKCGSCYQIRCQNHAACSGNPE
TVIITDMNYYPVAKYHFDLSGTAFGAMAKPGRSDELRHAGIIDIQFKRVPCNYPGQK
VTFHVEEGSNSVYLAVLVEFEDGDGDVVQVDLMEANSGYWTPMRESWGSIWRLDS
NHRLQAPFSLRITNESGRTL VANQVIPANWV PNTYYRSIIQY*

CDS (coding sequence)

>SbEXPB-05

ATGGCAACGACCTTCTCTTCAAAGGCTGTTGCATTTGCAGCGATCTTCTCCTTCCT
AGTCACGTATGGCTCCTGCGCCCGGCTGTAAGTTTTAACGCCTCCGACTTCACCG
CCGACCCTAACTGGGAGGCCGCCAGGGCCACCTGGTATGGGGCACCTACTGGCG
CCGGTCCTGACGACGACGGTGGTGCCTGTGGGTTCAAGAACGTGAACCTGCCTCC
GTTCTCCGCGATGACGTCGTGTGGCAACGAGCCACTGTTCAAGGACGGCAAGGGC
TGCGGCTCATGCTACCAGATCCGATGCCAAAACCACGCTGCATGCTCCGGCAACC
CGGAGACGGTGATCATCACCGACATGAACTACTATCCGGTCGCTAAGTACCACTT
CGACCTCAGCGGCACGGCGTTCGGCGCCATGGCTAAACCTGGCCGCAGCGATGA
GCTCCGCCACGCCGGCATCATCGACATCCAGTTCAAGAGAGTGCCCTGCAATTAC
CCTGGGCAGAAGGTGACATTCCACGTCGAGGAGGGGTCCAACCTCCGTCTACCTCG
CGGTGCTCGTCGAGTTTGAAGATGGCGACGGCGACGTGGTGCAGGTGGACCTCAT
GGAGGCCAACTCCGGCTACTGGACGCCGATGCGCGAGTCCTGGGGATCCATCTGG
AGGCTCGACTCCAACCACAGGCTGCAGGCGCCCTTCTCGCTGCGCATCACAAACG
AGTCCGGCAGGACGCTGGTGGCCAATCAGGTCATCCCGGCCAACTGGGTGCCCA
ACACCTACTACCGCTCCATTATCCAGTATTGA

Nucleotide

>SbEXPB-05

CAATCTCATCAGTACTAAGCTCCACCTTCTTAAGCTTGGAGTTGCTAGGACTGTCT
GTGCTGCACTAAGACAAAGATGGCAACGACCTTCTTCAAAGGCTGTTGCATTT
GCAGCGATCTTCTCCTTCTAGTCACGTATGGCTCCTGCGCCCGGCTGTAAGTTT

TAACGCCTCCGACTTCACCGCCGACCCTAACTGGGAGGCCGCCAGGGCCACCTGG
TATGGGGCACCTACTGGCGCCGGTCTGACGACGACGGTACGCACACGCTTGGTG
TTAGTTTAATTTAACAACGTTACAGGGCCTGTAATTAATAAACAAGCTTTATGT
AGCCTATTGCCCTGTTTCTGGACGATATATATCAGTAAACTTTACATGCCGCGCGC
GGCATCCATTTGTGTGCATGCAGGTGGTGCCTGTGGGTTCAAGAACGTGAACCTG
CCTCCGTTCTCCGCGATGACGTCGTGTGGCAACGAGCCACTGTTCAAGGACGGCA
AGGGCTGCGGCTCATGCTACCAGGTACGAAGAAGAAGTACTAGATGAATTGGCC
GTCAGAGATGAAGTTAACATTGGTGGCCTAATGCAAAGCAAAGGGAAAGCTCAT
GCACAGTTTTGGCTTTTACTCACATCACGCTCACTCAGTAGTTTTACTGCCCTTT
TTAATTTGCAGATCCGATGCCAAAACCACGCTGCATGCTCCGGCAACCCGGAGAC
GGTGATCATCACCGACATGAACTACTATCCGGTTCGCTAAGTACCACTTCGACCTC
AGCGGCACGGCGTTCGGCGCCATGGCTAAACCTGGCCGCAGCGATGAGCTCCGC
CACGCCGGCATCATCGACATCCAGTTCAAGAGGTAGGTGGAGGAACAAGCATTT
CTAGCTCGTTGCGGAGACAGAGCCAACAGACAATGCAACAACCTGCAGTAGTAG
ACCCTACTACCGGAACACAATCATATTTGACCCTCTATTTACTGATTACTGGTGC
TGTGGAGCCCCTGTACTTTGCGCAACTATAACTCTAACGACAGTGACCGATTATC
CATTGGGCGGTCCCAAGTAGATTCGCACAGATAGATCTTAGTACTATATATATAC
TTGGACGTACTTTACAACCTTGTCTTGGCATACTATACTGTGTTCTACTATCTG
AAGCTGAAAGCCTAATCCAACATATCACATGGCTTTAATTCCTGCAGAGTGCCCT
GCAATTACCCTGGGCAGAAGGTGACATTCCACGTCGAGGAGGGGTCCAACCTCCGT
CTACCTCGCGGTGCTCGTCGAGTTTGAAGATGGCGACGGCGACGTGGTGCAGGTG
GACCTCATGGAGGCCAACTCCGGTACTGGACGCCGATGCGCGAGTCCTGGGGAT
CCATCTGGAGGCTCGACTCCAACCACAGGCTGCAGGCGCCCTTCTCGCTGCGCAT
CACAAACGAGTCCGGCAGGACGCTGGTGGCCAATCAGGTCATCCCGGCCAACTG
GGTGCCCAACACCTACTACCGCTCCATTATCCAGTATTGATTTATTGCTTAGGACA
TCAATTATTCGGGGTCATTGTTTTTTGATTAATTTGGTATGTACCGTATCTATGTG
GAAATACATTATTGGATTGATGAGGTGTCTCAGTTTAACTAGTAGGTGAGATATC
AGGAATCCGGCTATATATGCCGTCTGTACGATTTGTTAGAGTGCGAGATTCACGA
GTGGGAAACAGAGGAGGCAAGTTTGCATGTGCTTTCCCGCCCACTGCCGATGTAC
CGTGTATGTGATCAATCAAAGTTATAAAGTACGAACACTTGTGT