

IDENTIFICATION

Species: *Sorghum bicolor*

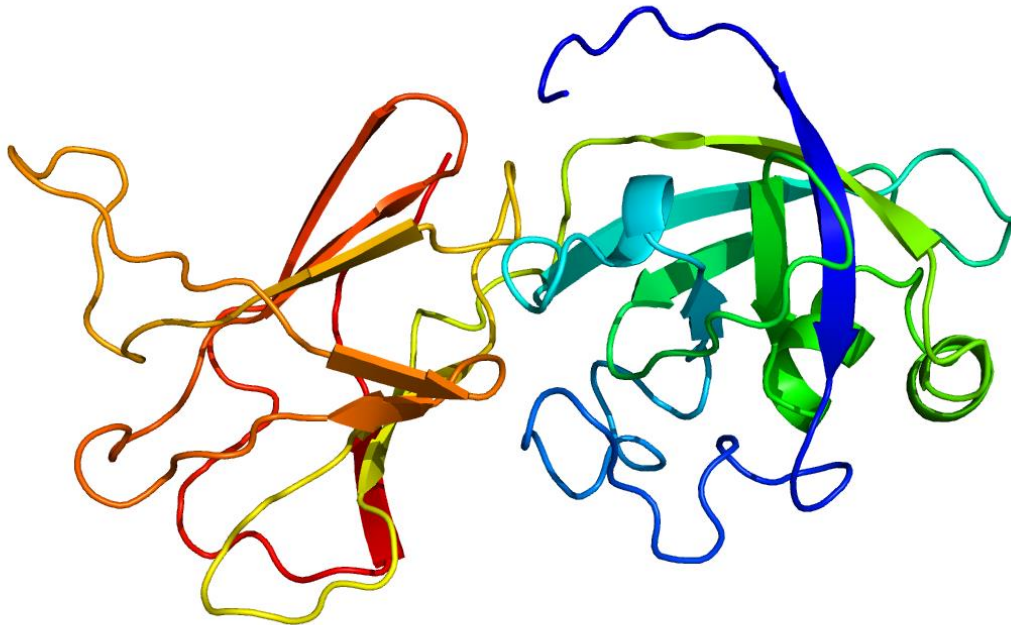
Locus: Sobic.001G300500

Gene Model: Sobic.001G300500.1.p

Description: SbEXPB-03

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>

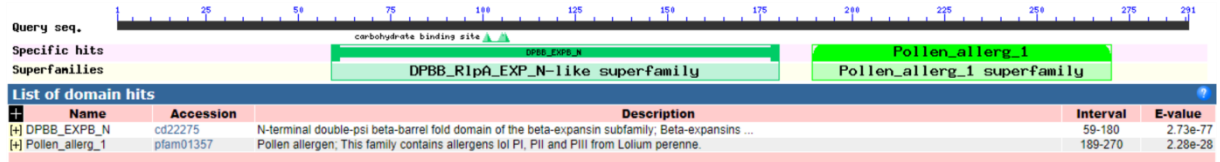
EXTERNAL RESOURCES

-

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SbEXPB-03

MGFPSSSLPAAAAAALVLLALLAGGGECREAQFDATDAAGAGAENFNTSDAAVY
WGPWQKARATWYGQPNGAGPDDNGGACGFKHTNQYPFMSMGSCGNQPLFKD GK
GCGSCYKIRCTKDRSCSGRAETVIITDMNYYPVSKYHFDLSGTAFGRLAKPGLNDKL
RHSGIIDIEFTRVPCEFPGLKIGFHVVEYSNPVYFAVLVEYEDGDGDV VQVDLMESKT
AHGPPTGRWTPMRESWGSIW RMDTNHRMQPPFSIRIRNESGKTLVARNVIPANWRPN
TFYRSFVQYQ*

CDS (coding sequence)

>SbEXPB-03

ATGGGCTTCCCTTCTTCCCTCCCTCCCCGCCGCCGCCGCGGGCGGCGGCGCTCGTGCT
CCTGGCCCTGCTCGCCGGAGGAGGCGAGTGCCGGGAGGCCAGTTCGACGCGAC
GGACGCGGCCGCGCCGCGCGGAGAACTTCAACACCAGCGACGCCGCCGTGTA
CTGGGGCCCCCTGGCAGAAGGCCCGGGCCACCTGGTACGGCCAGCCCAACGGCGC
CGGCCCCGACGACAACGGTGGCGCGTGC GGCTTCAAGCACACCAACCAGTACCC
ATTCATGTCCATGGGGTCCCTGCGGCAACCAGCCATTGTTCAAGGACGGCAAGGGC
TGCGGCTCCTGCTACAAGATTCGGTGCACCAAGGACAGATCCTGCTCCGGGCGGG
CGGAGACGGTGATCATCACGGACATGAACTACTACCCGGTGTCCAAGTACCACTT
CGACCTCAGCGGCACGGCGTTCGGCAGGCTGGCCAAGCCCGGCCTCAACGACAA
GCTCCGCCACTCCGGCATCATCGACATCGAGTTCACCAGGGTGCCGTGCGAGTTC
CCTGGGCTGAAGATCGGTTTCCACGTGGAGGAGTACTCGAACCCCGTCTACTTCG
CGGTGCTGGTGGAGTACGAGGACGGCGACGGCGACGTGGTGCAGGTGGACCTGA
TGGAGTCCAAGACGGCGCACGGGCCCCCGACGGGGCGGTGGACGCCCATGCGCG
AGTCTGGGGATCCATCTGGCGGATGGACACCAACCACCGCATGCAGCCGCCCTT
CTCCATCCGCATCCGCAACGAGTCCGGCAAGACGCTCGTCGCCAGAAACGTCATC
CCGGCCAACTGGAGGCCCAACACTTTCTACCGCTCCTTCGTCCAGTACCAGTAG

Nucleotide

>SbEXPB-03

GCTGCTGTGCTGAGCAAGGGGAGGTCCGGGCTAGGACGGCTGCGAGGCCCGGC
TCGGTCTGACTGATGAGCCAGGCCAGGCCCATGTGCGCCCCAACATGGCACGTTC

TCCCTCGCTCCTCTGCTCCTAAACTGCGTACACACACACACAGAGAGAGAGAGAG
AGACACCACTCTCCCTCCCCGCTCGCTAGCGTGCCGGTGCTCATCTGGCCATCGG
GCTTATAAATAGGCCACACGGCACCGGCCACCACCACCCACCACTTCTCGCA
CTCCACTACTCACAGTCACCGCCGCTGCCGCCACTGATTGTAGCTAGAGAGAGA
GAGAGAGGGCAAAGGGGCGCAGGAAGGAGGCGCAGGCATGGGCTTCCCTTCTTCC
TCCCTCCCCGCCGCCGCCGCGGGCGGGCGCTCGTGCTCCTGGCCCTGCTCGCCG
GAGGAGGCGAGTGCCGGGAGGCCAGTTCGACGCGACGGACGCGGCCGGCGCCG
GCGCGGAGAACTTCAACACCAGCGACGCCGCCGTGACTGGGGCCCCTGGCAGA
AGGCCCGGGCCACCTGGTACGGCCAGCCCAACGGCGCCGGCCCCGACGACAACG
GTGAGCGCATCCATCGGCATTCAATCCAGATCTTCCCTCTTTCCCTCGCGCCGG
CCTCTTCTTGTCTTGGTGCCTTTGTGGTTGTGGGTGGCAATGTGGCTCACGAGAC
GAACGTACCTTGCTTTGCCTAGGTGGCGCGTGCGGCTTCAAGCACACCAACCAAGT
ACCCATTCAATGTCCATGGGGTCCTGCGGCAACCAGCCATTGTTCAAGGACGGCAA
GGGCTGCGGCTCCTGCTACAAGGTACTACTACAGTTCAGTAAAACACAACAGCTA
GCATGGAGTTTTTACCGACACCTCTCTCTATCTGAAGCATAACAATTATTTTTATAC
TATAATAGGAGTATGTTTTCTGTACCCAAAACAATTCTACTAGTGCTCCACTTGTA
TTTTTTTTAAAATAAATCAATTGTCCTAAGAGTAAAATGTTGAGCTAGTAGAGCC
ATAAAACAAAATATAATACTCTCCGCTAGCAGTAGTAGTAACTGTTAGAGTAGGA
CGCTACCCGTACAGTCCAGGCCGGTCTCGGAGCAGCACAGCCTGTGGTGGCTGT
ATGTGGGGCCCGCGTGCATGTGCGCGCCTCACTCGATCTCCGTGACAGTGCCACC
ATTTACTGTACATTTGACTCCTGCTTGATCTCGTATCTCGTACGTAGTATGGTAGT
AGATGAACGTACGTAGCTGACGGTTTTGCCCGCGGATGACGCAGATTCGGTGCAC
CAAGGACAGATCCTGCTCCGGGGCGGGCGGAGACGGTGATCATCACGGACATGAA
CTACTACCCGGTGTCCAAGTACCACTTCGACCTCAGCGGCACGGCGTTCGGCAGG
CTGGCCAAGCCCGGCCTCAACGACAAGCTCCGCCACTCCGGCATCATCGACATCG
AGTTCACCAGGTCAGTGTCCGCGTCTTCTCTTCTTCTTTCTTCTGTTTGTGCTGC
CACTGGAAGTAGAAGTAGAAGGGACCTCACTCGCAGTGTAGCAGTAGCCTTGCT
GTCGAACTGTTACTGGTAGCAGTAGTTTCCCTCCACACCTGCTGTTTTAATTTATT
TTCGTAGCGCGGGCGCGCGGCAAGTGAAAAGTTTTGGTGGGGAGGCGTCGTGCAT
CCAACAACCGCTCGCTGCCATTACTACTGCCGCTCGCGGGACACCGCATGTGCGG
CAAAGTGGCGCGCAGCTGCCACAGGCCACTTTTTATTGCGCTGCGCCCCCAACAT
GCTCAGTTTTGGCTACTAGTGGGCCGCACCCCTTTTGCATCCCACCGTATCTGCGT
CGGTCCACTGTTGCAACACGCCACCGCCGGTCCATTGCCTTCCCTTTCGCTTTCTC
CTGTACTCGAACATTGTTGCTGGATTAGGCTTGAGCAACACAGATTAGAGGACAT
TGGTTATTAACAAGATGCCCTAGTACCACTACTCCTACTTAAAAGCTGGCTGGAT
GTGTTTGCATTCGCAGGGTGCCGTGCGAGTTCCCTGGGCTGAAGATCGGTTTCCA
CGTGGAGGAGTACTCGAACCCCGTCTACTTCGCGGTGCTGGTGGAGTACGAGGAC
GGCGACGGCGACGTGGTGCAGGTGGACCTGATGGAGTCCAAGACGGCGCACGGG
CCCCGACGGGGCGGTGGACGCCCATGCGCGAGTCCTGGGGATCCATCTGGCGG
ATGGACACCAACCACCGCATGCAGCCGCCCTTCTCCATCCGCATCCGCAACGAGT
CCGGCAAGACGCTCGTCGCCAGAAACGTCATCCCGGCCAACTGGAGGCCCAACA
CTTTCTACCGCTCCTTTCGTCCAGTACCAGTAGTAGCACGTACGTACCTGATTGATT
GATTGATTGATTGGATCCCAGCCCAGCCGGCCAGCCCGCAATTGGAGTGGAAAT
CCGGCTCGGTTCCGGTTCGGTTCGGTTCATCATCATCACTACGTACGTACTATACGCT
ACTACCACTAGACGACTACTACTGCTACCAAGTACGGCGAAACGGAACGGCTAG
TCGTTGTGTCTCTGGTTCATCGTGTGCGTTGCAGTTGTATCATGGTCCCTGGAGTGAG
TCGTTGCATGCATTGGGGGCGCGCTTTTAGGTCAGGCGTCATGTGCGAGTGTTTGT

GGGTCTGTAAGGCTGGCATGTGCATGGTGCGTGACCCTAATTGCAAAAAAAAAAAG
AGAGAGAGAACTAAGCCGTGTGGGAAAATGGAGGAGGCAGGCGTACAAGGTAC
GCTCTCCCGCCCACTATTGCTTTATAATTTATATCATCATCATCTTCTTCTTCAATC
CGATCGATCGGTGATTAATCGAAAAGTATATTGTAATGTATAAACACCATTTCT
GAGCTTCCCTATTCGTTTTGCTCTTTTTCTGTGCAGGCCTGATGAGGCTCCTGCA
TGTTAATTGTGTTTTCTTACCTCAGTGCAATTGTTTTCTGACTGGATGAATGCTTTG
AGCATTCAAGCATTGCTGTGCTGAAGCGAAACGCATGTACTGTACCTACCTACCTA
ATGTGCTTGTCTCAAGAAGTATATACTTCGCGATGCAGAAAGGCATAGTTGACCG
CGCATAGTTATCTCTCGCATATGAACAAACAACGCTTGGTTAACGTCTTGGGACA
AGAAATATTGGAAAAGCTTCCGTACAATCCTCAAGGAAGTTGTAAGTTGGCGGCAG
TGGCGCATCTAAGGTATTAAGTGAAGGGGCCACATGTCCCAAGCCAAAATGTGTA
CAGTATTTGGCTGATTTGTTGTAAGAGAAAAACATTGCTGAATGGTTGGTAGAT
ACGGATGATAAACTCAAACGAACAAGGCGTGTCTAACCCTCCGTTTGTAAAA
GGATACAAATATATGGTTTCTGTTAGTGAAATTAGGTAACTTTGATTAGTGTTAT
ATCGAATAGAGGTTTACTACAAAATATAAATATATCATAATTGATTTAATAGCA
TTTATTTTGTAACATAAATGTTAGTCTACTTTTAGATAACTTTAGTTAAGCTTTGA
AATGTAAACCCCTAAAAGAATTTGCACCATTTTGTGGATGTAGGGAGTATTAATT
CACTTGAAATCAACAAACTTGGCTTGATAGGTTCTGAATCCTATATCCGTCACCTT
AAATCAACAAACTTGGCTTGATAGGTTTTGAATCCTATATCTAAGAAAG