

IDENTIFICATION

Species: *Sorghum bicolor* Rio

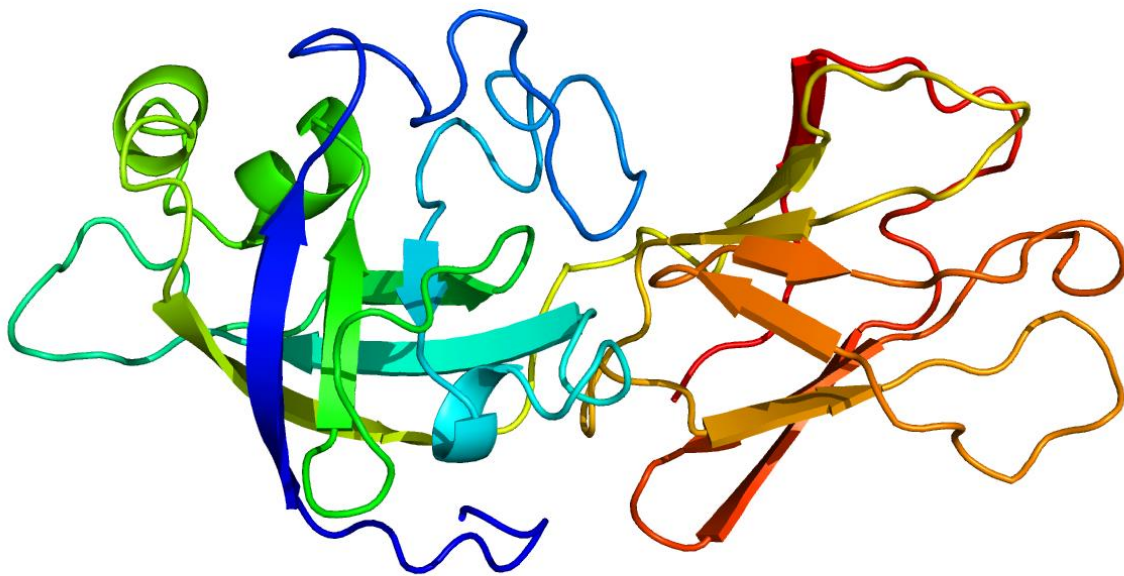
Locus: SbRio.01G293500

Gene Model: SbRio.01G293500.1.p

Description: SbrEXPB-08

Family: Beta Expansin

3D structure:



GENOME DATABASES

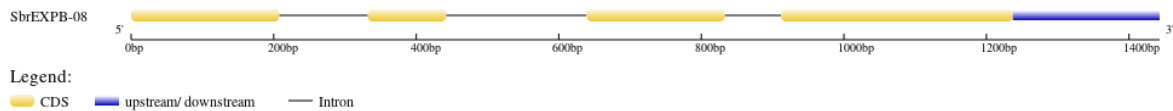
Phytozome: https://phytozome-next.jgi.doe.gov/info/SbicolorRio_v2_1

KEGG:-

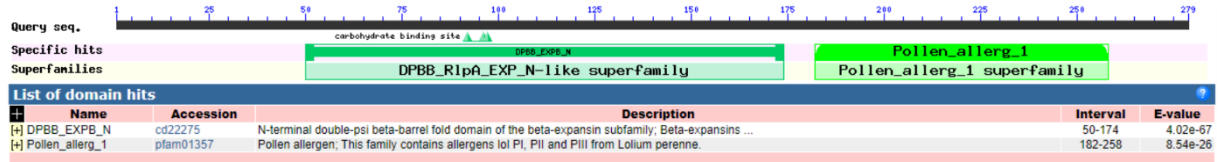
EXTERNAL RESOURCES

<https://www.sorghumbase.org/post/sorghum-bicolor-rio>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SbrEXPB-08

MAVAISIKVAALVISVFATHGARAQPSYNNASSSSARRELYYSSTTGGSWLPAKATW
YGRPNGAGPDNNGGGCGYSGTNLYPFNSMTSCGDRNVFRDGGKGGSCYQIKCVSSN
NPACSGVPQTHITDVNYDTSLGPNRFDLSGTAFGAMAKPGLNGKLRNAGALSIQYRR
VPCNYKGLNVRFHVMGGCNPFFYFAVIVYYAGSDGAVVQVELKEANSRTWRPLYES
WGAVWRIDPGHPLRAPLSLRVRSDDGGKTLVAYDVIPINWRGNADYRTIAQFR*

CDS (coding sequence)

>SbrEXPB-08

ATGGCCGTCGCGATCTCCATCAAGGTGGCTGCACTCGTCATCTCCGTGTTCCGCCAC
GCATGGCGCTCGCGCGCAGCCGAGCTACAACAACGCCTCCTCCTCCTCCGCCCCG
AGAGAGTTGTACTACTCCAGCACCACCGGCGGCAGCTGGCTCCCTGCCAAGGCCA
CCTGGTACGGCCGCCCCAACGGCGCCGGCCCTGACAACAACGGTGGCGGGTGTG
GGTACAGCGGCACCAACCTGTACCCTTTCAATTCCATGACGTCCTGTGGCGACAG
GAACGTGTTCAAGGACGGCAAGGGCTGCGGCTCATGCTACCAGATAAAATGCGT
GAGCAGCAACAACCCTGCCTGCTCCGGCGTGCCCCAGACGATTATCATCACCGAC
GTGAACTACGACACCAGCCTCGGCCCAACCGTTTCGACCTCAGCGGCACGGCGT
TCGGCGCCATGGCTAAGCCTGGCCTCAACGGCAAGCTCCGCAATGCCGGCGCCCT
CAGCATCCAGTACAGGAGGGTGCCCTGCAACTACAAGGGCTTGAACGTGAGGTT
CCACGTGATGGGAGGCTGCAACCCATTCTACTTCGCGGTGATCGTGTACTACGCG
GGCAGCGATGGCGCCGTGGTGCAGGTGGAGCTCAAGGAGGCCAACTCGCGGACA
TGGAGGCCGCTGTACGAGTCGTGGGGCGCCGTCTGGAGGATAGACCCGGGCCAC
CCGCTGAGGGCGCCCCTCTCGCTGCGCGTCCGCAGCGACGGCGGCAAGACTCTGG
TGGCTACGACGTCATCCCGATCAACTGGAGGGGCAATGCCGATTACCGTACCAT
CGCTCAGTTCGCTGA

Nucleotide

>SbrEXPB-08

ATGGCCGTCGCGATCTCCATCAAGGTGGCTGCACTCGTCATCTCCGTGTTCCGCCAC
GCATGGCGCTCGCGCGCAGCCGAGCTACAACAACGCCTCCTCCTCCTCCGCCCCG

AGAGAGTTGTACTACTCCAGCACCACCGGCGGCAGCTGGCTCCCTGCCAAGGCCA
CCTGGTACGGCCGGCCCAACGGCGCCGGCCCTGACAACAACGGTGTGTGTGCGCC
TGGAATGCTGTTCGTGTTTTCTTGTGTTTTAATTTAATCTGTGTCTTTGCTTTCATG
CACGCCTGAATATGATGTCGATCGTGGTGCTGATCGATATGTTTCTTTTTGCAGGT
GGCGGGTGTGGGTACAGCGGCACCAACCTGTACCCTTTCAATTCCATGACGTCCT
GTGGCGACAGGAACGTGTTCAGGGACGGCAAGGGCTGCGGCTCATGCTACCAGG
TATACTACTACGTGAAACATGCATATAGCAGTCCTTGTTTGCTTGCGGTCGACTCG
AGCGTTGTGTGTGTGTGAGTGGCGAGTGGCGCACGTCTCCCTGCCGATCGTGTTGC
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CTGTTTGGTTGGTCTGCTGCTGCTTCTCAGATAAAATGCGTGAGCAGCAACAACC
CTGCCTGCTCCGGCGTGCCCCAGACGATTATCATCACCGACGTGAACTACGACAC
CAGCCTCGGCCCAACCGTTTTCGACCTCAGCGGCACGGCGTTCGGCGCCATGGCT
AAGCCTGGCCTCAACGGCAAGCTCCGCAATGCCGGCGCCCTCAGCATCCAGTACA
GGAGGTCAGTAACAGTTAGTGTAGCAGAATTTCTGACCTGACGCATCGATCGATC
GACCTGATGACCCACGCCGACGCCGACGGGTGCCCTGCAACTACAAGGGCTTGA
ACGTGAGGTTCCACGTGATGGGAGGCTGCAACCCATTCTACTTCGCGGTGATCGT
GTACTACGCGGGCAGCGATGGCGCCGTGGTGCAGGTGGAGCTCAAGGAGGCCAA
CTCGCGGACATGGAGGCCGCTGTACGAGTCGTGGGGCGCCGTCTGGAGGATAGA
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ATAGTACGT