

IDENTIFICATION

Species: *Sorghum bicolor* Rio

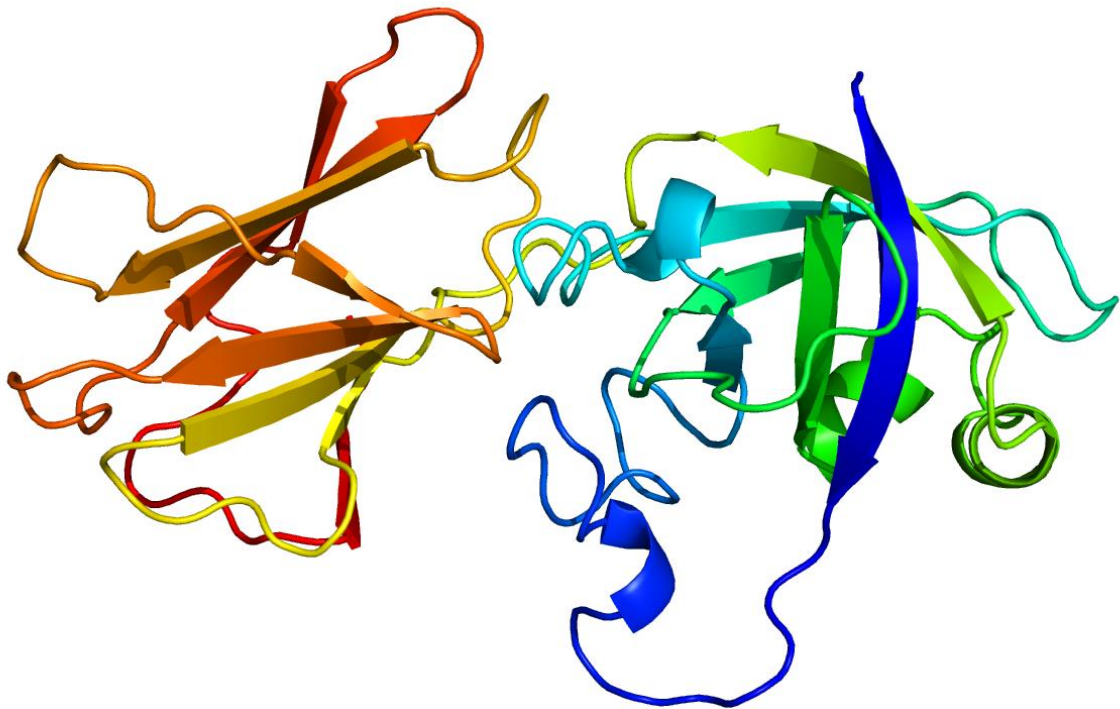
Locus: SbRio.01G576400

Gene Model: SbRio.01G576400.1.p

Description: SbrEXPB-18

Family: Beta Expansin

3D structure:



GENOME DATABASES

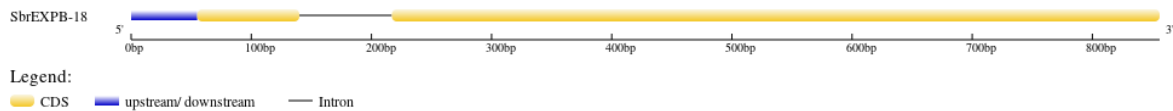
Phytozome: https://phytozome-next.jgi.doe.gov/info/SbicolorRio_v2_1

KEGG:-

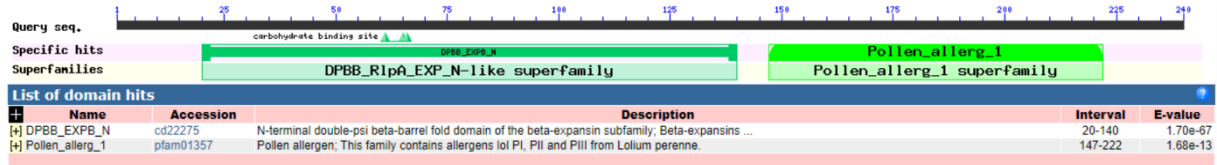
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SbrEXPB-18

MGANMMSWSMQVALVVALAFLVGGAWYGKPTGAGPDDNNGGACGYKDVNKPFPN
SMGACGNLPIFKDGLGCGSCFEIKCDKPAECSGEAVVVHITDMNYEQIAAYHFDLAG
TAFGAMAKKGEEELRKAAGIIDMKFRRVKCKYGEKVTFHVEKGSNPNYLALLVKYV
DGDGDVVGVDIKEKGGDAYQPLKHSWGAIWRKDSDKPIKFPVTVQITTEGGTKTAY
EDVIPEGWKADTTYTAK*

CDS (coding sequence)

>SbrEXPB-18

ATGGGAGCGAACATGATGTCGTGGTTCGATGCAGGTGGCGTTGGTGGTGGCGCTG
GCGTTTCTGGTGGGCGGCGCATGGTACGGTAAGCCAACAGGCGCCGGCCCCGAC
GACAACGGCGGCGCATGTGGTTACAAGGATGTGAACAAGGCCCCCTTCAACAGC
ATGGGCGCGTGC GGCAACCTCCCCATCTTCAAGGACGGCCTCGGCTGCGGCTCCT
GCTTTGAGATCAAGTGTGACAAGCCGGCCGAGTGCTCCGGCGAGGCCGTGGTGGT
GCACATCACGGACATGAACTACGAGCAAATCGCCGCCTACCACTTCGACCTGGCC
GGCACGGCGTTTCGGCGCCATGGCCAAGAAGGGCGAGGAGGAGAAGCTGCGCAA
GGCGGGCATCATCGACATGAAGTTCGGCCGGGTCAAGTGCAAGTACGGCGAAAA
GGTCACCTTCCATGTGGAGAAGGGGAGCAACCCCAACTACCTGGCGCTGTTGGTC
AAGTACGTTCGACGGCGACGGTGACGTTGTGGGGGTGGACATCAAGGAGAAGGGT
GGCGACGCTTACCAGCCCCTCAAGCACTCCTGGGGCGCTATCTGGAGGAAGGAC
AGCGACAAGCCAATCAAGTTCCTCCCGTCAACCGTCCAAATCACCACCGAGGGAGGC
ACCAAGACCGCCTACGAAGACGTCATCCCCGAAGGTTGGAAGGCCGACACCACC
TACACCGCCAAATAA

Nucleotide

>SbrEXPB-18

ATATTCATCGCATCGTAGTTACATTACATACCATCCACCAAACGATCGAAGGAAG
ATGGGAGCGAACATGATGTCGTGGTTCGATGCAGGTGGCGTTGGTGGTGGCGCTG
GCGTTTCTGGTGGGCGGCGCATGGTGC GGTCCTCCCAAGGTTGCCCGGGCAAGA
ACATCACGGCCACCTACGGCAGCGACTGGCTGGAAGCGAAGGCAACATGGTACG

GTAAGCCAACAGGCGCCGGCCCCGACGACAACGGCGGCGCATGTGGTTACAAGG
ATGTGAACAAGGCCCCCTTCAACAGCATGGGCGCGTGCGGCAACCTCCCCATCTT
CAAGGACGGCCTCGGCTGCGGCTCCTGCTTTGAGATCAAGTGTGACAAGCCGGCC
GAGTGCTCCGGCGAGGCCGTGGTGGTGCACATCACGGACATGAACTACGAGCAA
ATCGCCGCCTACCACTTCGACCTGGCCGGCACGGCGTTCGGCGCCATGGCCAAGA
AGGGCGAGGAGGAGAAGCTGCGCAAGGCCGGGCATCATCGACATGAAGTTCCGCC
GGGTCAAGTGCAAGTACGGCGAAAAGGTCACCTTCCATGTGGAGAAGGGGAGCA
ACCCAACTACCTGGCGCTGTTGGTCAAGTACGTCGACGGCGACGGTGACGTTGT
GGGGGTGGACATCAAGGAGAAGGGTGGCGACGCTTACCAGCCCCTCAAGCACTC
CTGGGGCGCTATCTGGAGGAAGGACAGCGACAAGCCAATCAAGTTCCCCGTCAC
CGTCCAAATCACCAACCGAGGGAGGCACCAAGACCGCCTACGAAGACGTCATCCC
CGAAGGTTGGAAGGCCGACACCACCTACACCGCCAAATAA