

IDENTIFICATION

Species: *Sorghum bicolor* Rio

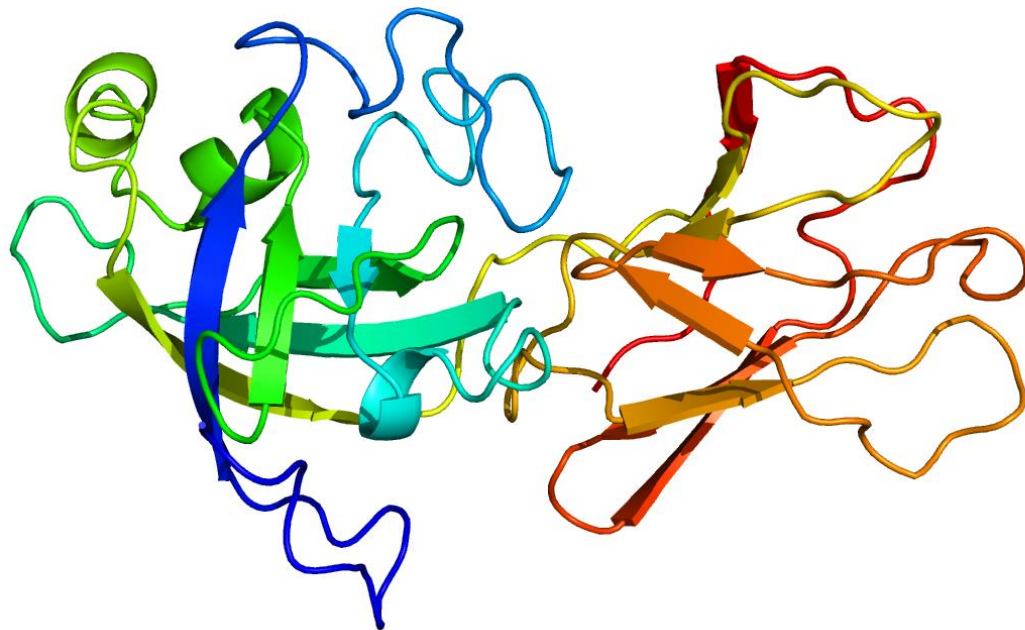
Locus: SbRio.01G327800

Gene Model: SbRio.01G327800.1.p

Description: SbrEXPB-14

Family: Beta Expansin

3D structure:



GENOME DATABASES

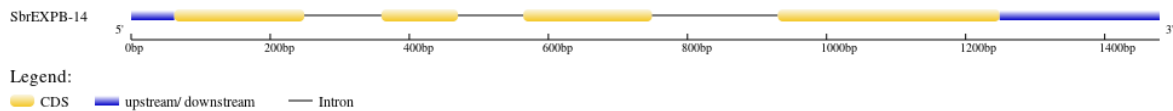
Phytozome: https://phytozome-next.jgi.doe.gov/info/SbicolorRio_v2_1

KEGG:-

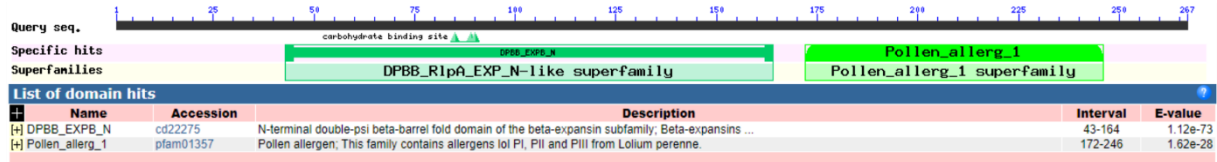
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SbrEXPB-14

MGSLANKIVAMAAVLAALVTGGSCAPKKFPPGPNITTNYNQWLSARATWYGP
GAGPDDNGGACGIKVNLPYNGFTACGNVPIFKDGKGCSCYEVRCKEMPECSGN
PITVFITDMNYEPIAPYHFDGSGKAFGLAKPGLNDKLRHCGIMNVEFRRVRCKLGGK
IMFHVEKGSNPNYLAVLVKNVADDGNIVLMELEDKASPGFKPMKQSWGAVVWRFDT
PKPIKGFPSIRLTSESGKKLVAPNVIPATWKPDTLYNSNIQF*

CDS (coding sequence)

>SbrEXPB-14

ATGGGATCCCTCGCCAACAAAATCGTGGCCATGGCGGCTGTCCTTGGCGGCTCG
TCACCGGCGGCTCGTGC GCGCCAAGAAGTCCC GCCTGGCCCCAACATCACAAC
CAACTACAACGGCCAGTGGCTCTCTGCCAGGGCCACCTGGTACGGCCAGCCAAC
GGCGCCGCCCCTGACGACAACGGCGGTGCGTGCGGAATCAAGAACGTGAACCTG
CCACCCTACAATGGCTTCACGGCCTGCGGTAACGTCCCCATCTTCAAGGATGGCA
AGGGCTGCGGCTCATGCTACGAGGTGAGATGCAAGGAAATGCCGGAGTGTTCCG
GCAACCCGATCACGGTGTTTCATCACCGACATGAACTACGAGCCCATCGCTCCCTA
CCACTTCGACTTCAGCGGCAAGGCCTTCGGCTCCCTGGCAAAGCCC GGGCTCAAC
GACAAGCTCCGCCACTGCGGCATCATGAACGTGGAGTTCAGGAGGGTGCGGTGC
AAGCTTGGGGGCAAGATCATGTTCCACGTTGAGAAGGGGTCCAACCCCAACTACC
TGGCCGTGCTGGTCAAGAACGTGGCGGACGACGGCAACATCGTGCTCATGGAAC
TCGAGGACAAGGCGTCGCCGGGGTTCAAGCCGATGAAGCAATCCTGGGGCGCCG
TGTGGAGTTTGACACACCCAAGCCGATCAAGGGCCCCCTTCTCCATCCGCCTCAC
CAGCGAGTCCGGCAAGAAGCTCGTCGCCCAACGTCATCCCGGCGACCTGGAA
GCCCGACACCCTTACAACCTCAACATCCAGTTCTAA

Nucleotide

>SbrEXPB-14

TCACAAACACACAGAGCGACATTCGTTGAATATCACAGTTGAGCGCAAAGAAGA
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GTGAACCTGCCACCCTACAATGGCTTCACGGCCTGCGGTAACGTCCCCATCTTCA
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CTCCGCCACTGCGGCATCATGAACGTGGAGTTCAGGAGGTAAATGCATATATTTT
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GCTTCTCCATGATCGATCGATCTGTGTGTATATTTCAATATGCCATGCATGCACAT
GATGAAACAGGCAGCAAACTTATTACACGCTGTCCCGTCGTCTACATGCAGGG
TGCGGTGCAAGCTTGGGGGCAAGATCATGTTCCACGTTGAGAAGGGGTCCAACCC
CAACTACCTGGCCGTGCTGGTCAAGAACGTGGCGGACGACGGCAACATCGTGCTC
ATGGAACTCGAGGACAAGGCGTCGCCGGGGTTCAAGCCGATGAAGCAATCCTGG
GGCGCCGTGTGGAGGTTTGACACACCCAAGCCGATCAAGGGCCCCTTCTCCATCC
GCCTCACCAGCGAGTCCGGCAAGAAGCTCGTCGCCCAAACGTCATCCCGGCGAC
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