

IDENTIFICATION

Species: *Sorghum bicolor* Rio

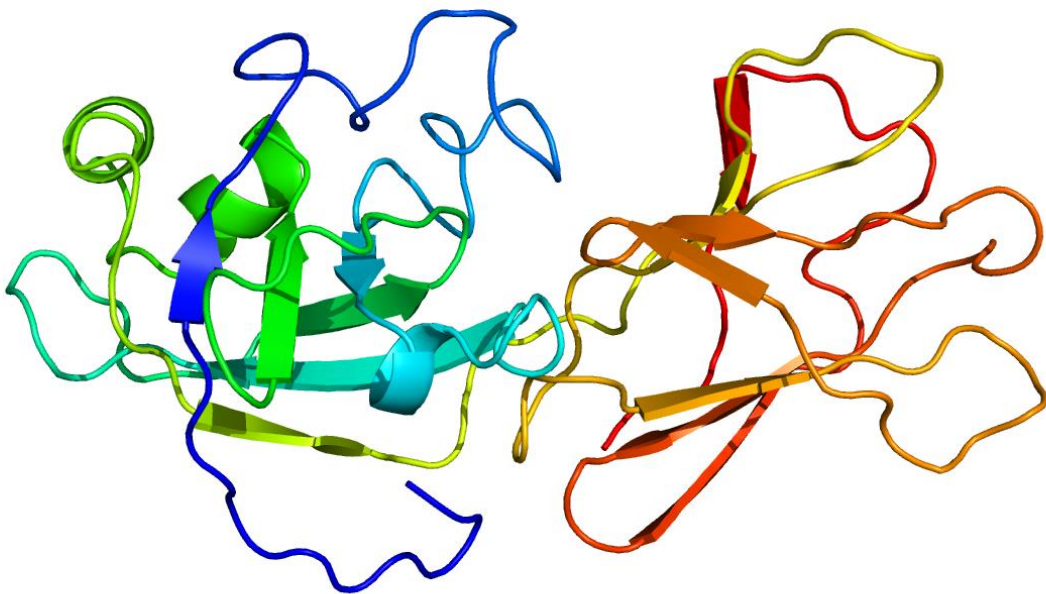
Locus: SbRio.01G327800

Gene Model: SbRio.01G327800.2.p

Description: SbrEXPB-15

Family: Beta Expansin

3D structure:



GENOME DATABASES

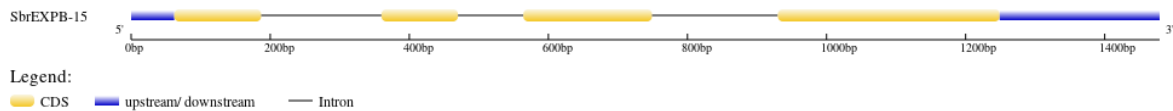
Phytozome: https://phytozome-next.jgi.doe.gov/info/SbicolorRio_v2_1

KEGG:-

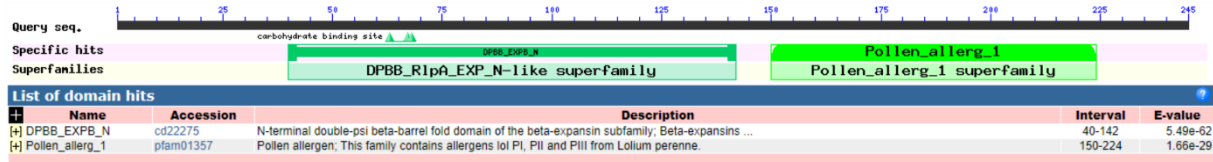
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SbrEXPB-15

MGSLANKIVAMAAVLAALVTGGSCAPKKFPPGPNITTTNYNGGACGIKQVNLPPYNGF
TACGNVPIFKDGGKCGSCYEVRCKEMPECSGNPITVFITDMNYEPIAPYHFDFSGKAF
GSLAKPGLNDKLRHCGIMNVEFRRVRCKLGGKIMFHVEKGSNPNYLAVLVKNVADD
GNIVLMELEDKASPGFKPMKQSWGAVWRFDTPKPIKGPFSIRLTSESGKKLVAPNVIP
ATWKPD TLYNSNIQF*

CDS (coding sequence)

>SbrEXPB-15

ATGGGATCCCTCGCCAACAAAATCGTGGCCATGGCGGCTGTCCTTGC GGCGCTCG
TCACCGGCGGCTCGTGC GCGCCCAAGAAGTTCCCGCCTGGCCCCAACATCACAAC
CAACTACAACGGCGGTGCGTGCGGAATCAAGAACGTGAACCTGCCACCCTACAA
TGGCTTCACGGCCTGCGGTAACGTCCCCATCTTCAAGGATGGCAAGGGCTGCGGC
TCATGCTACGAGGTGAGATGCAAGGAAATGCCGGAGTGTTTCGGGCAACCCGATC
ACGGTGTTTCATCACCGACATGAACTACGAGCCCATCGCTCCCTACCACTTCGACT
TCAGCGGCAAGGCCTTCGGCTCCCTGGCAAAGCCCGGGCTCAACGACAAGCTCCG
CCACTGCGGCATCATGAACGTGGAGTTCAGGAGGGTGCGGTGCAAGCTTGGGGG
CAAGATCATGTTCCACGTTGAGAAGGGGTCCAACCCCAACTACCTGGCCGTGCTG
GTCAAGAACGTGGCGGACGACGGCAACATCGTGCTCATGGAACCTCGAGGACAAG
GCGTCGCCGGGGTTCAAGCCGATGAAGCAATCCTGGGGCGCCGTGTGGAGGTTTG
ACACACCCAAGCCGATCAAGGGCCCCTTCTCCATCCGCCTCACCAGCGAGTCCGG
CAAGAAGCTCGTCGCCCAACGTCATCCCGGCGACCTGGAAGCCCGACACCCTC
TACAACCTCAACATCCAGTTCTAA

Nucleotide

>SbrEXPB-15

TCACAAACACACAGAGCGACATTCGTTGAATATCACAGTTGAGCGCAAAGAAGA
CACCCGCGATGGGATCCCTCGCCAACAAAATCGTGGCCATGGCGGCTGTCCTTGC
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GCTTCTCCATGATCGATCGATCTGTGTGTATATTTCAATATGCCATGCATGCACAT
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TGCGGTGCAAGCTTGGGGGCAAGATCATGTTCCACGTTGAGAAGGGGTCCAACCC
CAACTACCTGGCCGTGCTGGTCAAGAACGTGGCGGACGACGGCAACATCGTGCTC
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GGCGCCGTGTGGAGGTTTGACACACCCAAGCCGATCAAGGGCCCCTTCTCCATCC
GCCTCACCAGCGAGTCCGGCAAGAAGCTCGTCGCCCAAACGTCATCCCGGCGAC
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GCCCTTCATCCGGCCTCTTATGTTTATTTGCATGAGAGAATGCACCGCTAATAAAT
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