

IDENTIFICATION

Species: *Sorghum bicolor* Rio

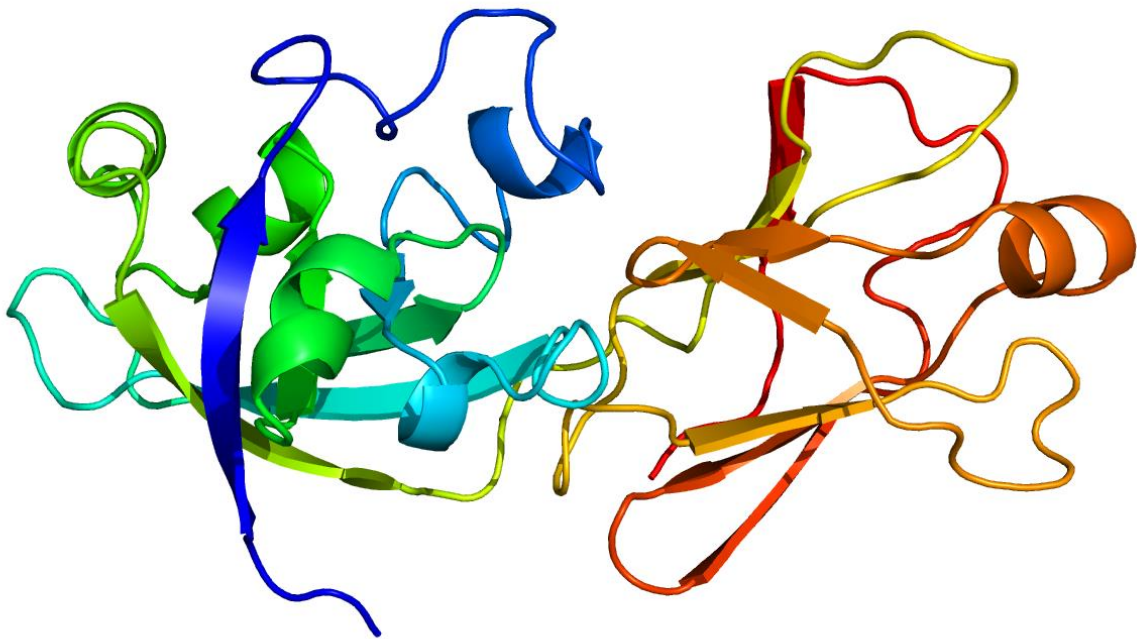
Locus: SbRio.10G150200

Gene Model: SbRio.10G150200.1.p

Description: SbrEXPB-37

Family: Beta Expansin

3D structure:



GENOME DATABASES

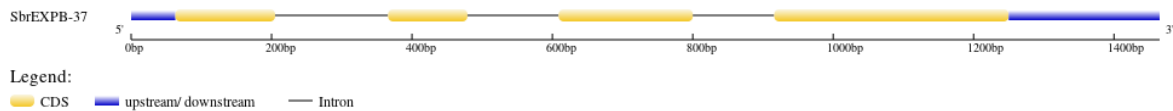
Phytozome: https://phytozome-next.jgi.doe.gov/info/SbicolorRio_v2_1

KEGG:-

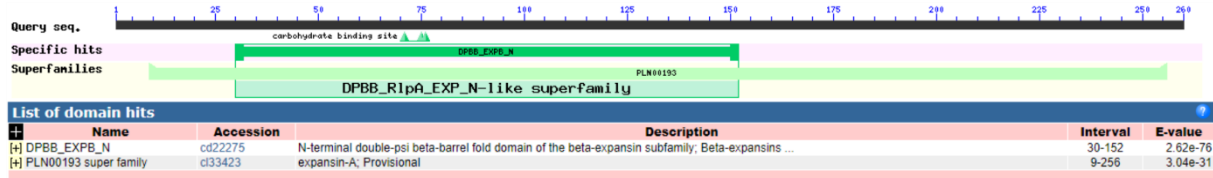
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SbrEXPB-37

MGSKQQIGVVVVLSCFIAISALAFRPCAAWSDAGATWYGPANGAGSDGGACGYQG
AVHQPPFSSMITAGSNSIYQDGKGCCTCYQVKCTGHQSCSGSPVTVVLTDQCPGACQ
SEPVHFDLSGTAFGAMAKPGQADQLRNVGRLPVQYTRVPCNWNGVDVAFRVDAGS
NANYLAMAIEYEAGDGLRAVELQNGAAAWAPMERSWGAVWRYQSSGSSLQAAP
LSVRLTSGSGKTLVASGVIPAGWQPGNTYRSVVNFGGN*

CDS (coding sequence)

>SbrEXPB-37

ATGGGTTCCAAGCAGCAGATCGGGGTGGTCGTCGTCTTGTCATGCTTCATTGCCA
TCAGTGCTCTCGCCTTCCGTCCCTGCGCAGCCTGGTCGGATGCCGGCGCCACCTG
GTACGGCCCTGCCAACGGCGCTGGGAGCGATGGTGGTGCGTGTGGGTACCAGGG
TGCCGTCCACCAGCCGCCCTTCTCGTCAATGATCACCGCCGGCAGCAATTCCATCT
ACCAGGACGGCAAGGGCTGCGGCACCTGCTACCAGGTGAAGTGCACCGGACACC
AGTCGTGCTCCGGCAGCCCGGTGACAGTGGTCCTCACTGACCAGTGCCCCGGCGC
GTGCCAGTCCGAGCCCCGTCCACTTCGACCTCAGCGGGACGGCGTTCCGGTGCCATG
GCGAAACCCGGCCAGGCCGACCAGCTCCGAAACGTCCGGCCGCTCCCAGTCCAG
TACTCTCGGGTGCCGTGCAACTGGAACGGCGTGGACGTGGCCTTCAGGGTGGAC
GCCGGCTCGAACGCCAACTACCTGGCCATGGCCATCGAGTACGAGGCCGGGGAC
GGGGACCTGCGCGCCGTGGAGCTGCAGAATGGCGCGGGCGGTGGGGCGCCCATG
GAGCGCTCCTGGGGCGCGGTGTGGCGGTACCAGTCGTCCGGCTCCAGTCTGCAGG
CGGCCCCCTGTCTGTCCGCCTCACCTCCGGCTCCGGCAAGACCCTCGTCGCCAG
CGGCGTCATCCCCGCCGGATGGCAGCCCGGCAACACCTACCGCTCCGTCTCAAC
TTCGGAGGAAACTGA

Nucleotide

>SbrEXPB-37

CTATAGTAGCCCTCCTAGCTAGATCATTGGATAACATAGCCAGGCCAACAGATCGG
CTTCCGGCATGGGTTCCAAGCAGCAGATCGGGGTGGTCGTCGTCTTGTCATGCTT
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CCACCTGGTACGGCCCTGCCAACGGCGCTGGGAGCGATGGTGCGTAAGTTCTCGT
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GGCCGCCTCCCAGTCCAGTACACTCGGTAAGTGATAGTACTATATGCCTCTCACT
GCTAGCTAGCTTGCCTTGCACCGTCGTCGTCCTCGTCCGTCGTCATCGCAGCCGATGA
CGCACCTGACTTGGCGCTGTCTGCACTGCAGGGTGCCGTGCAACTGGAACGGCGT
GGACGTGGCCTTCAGGGTGGACGCCGGCTCGAACGCCAACTACCTGGCCATGGCC
ATCGAGTACGAGGCCGGGGACGGGGACCTGCGCGCCGTGGAGCTGCAGAATGGC
GCGGCGGCGTGGGCGCCCATGGAGCGCTCCTGGGGCGCGGTGTGGCGGTACCAG
TCGTCCGGCTCCAGTCTGCAGGCGGCCCCCTGTCTGTCCGCCTCACCTCCGGCTC
CGGCAAGACCCTCGTCGCCAGCGGCGTCATCCCCGCCGGATGGCAGCCCGGCAA
CACCTACCGCTCCGTCGTCAACTTCGGAGGAACTGACGGACGATATTATATATA
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CTGGAAATAAATTTTACTCCCTGTTCTGTG