

IDENTIFICATION

Species: *Sorghum bicolor* Rio

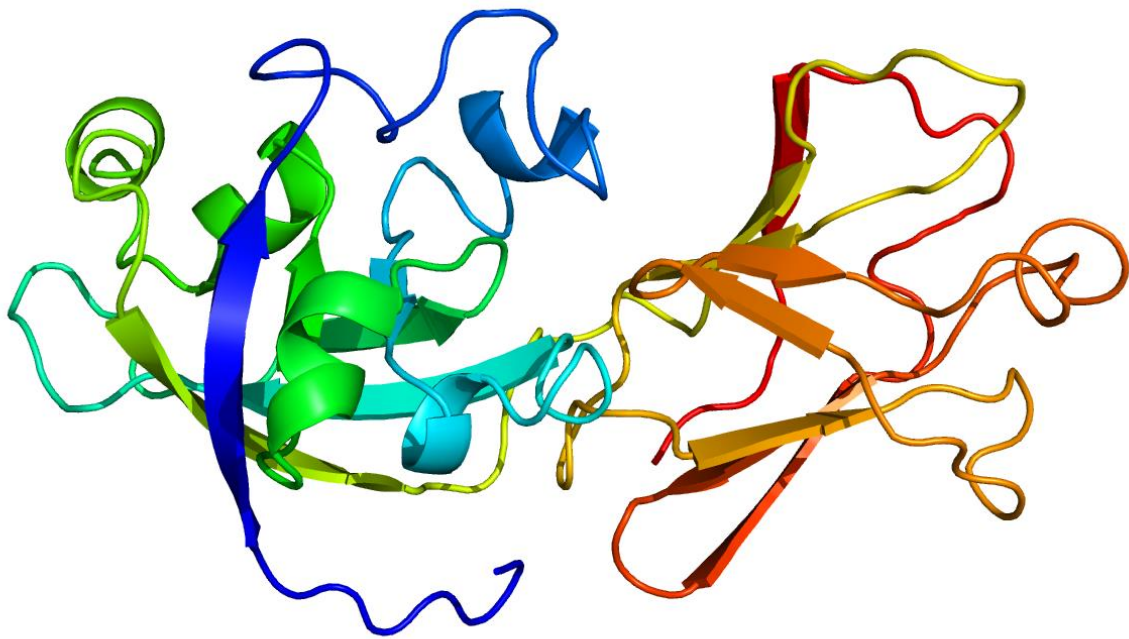
Locus: SbRio.10G147900

Gene Model: SbRio.10G147900.1.p

Description: SbrEXPB-36

Family: Beta Expansin

3D structure:



GENOME DATABASES

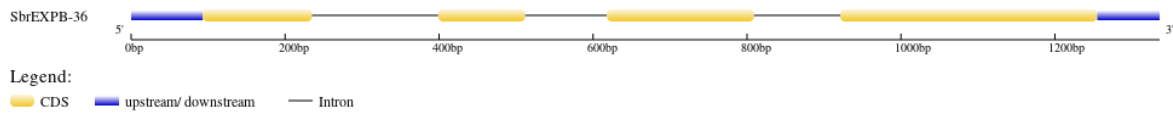
Phytozome: https://phytozome-next.jgi.doe.gov/info/SbicolorRio_v2_1

KEGG:-

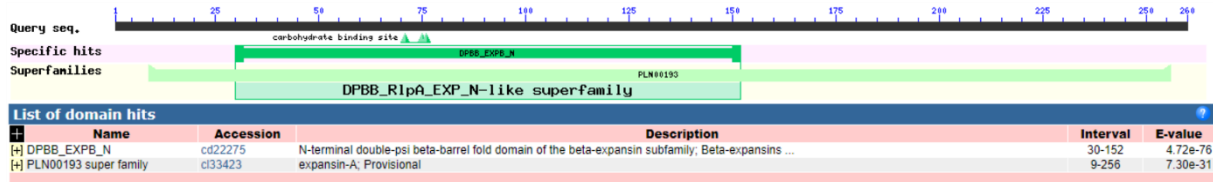
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SbrEXPB-36

MACKQQIGVVVVLSCFIAISALAFRPCAAWSDAGATWYGPANGAGSDGGACGYQG
AVHQPPFSSMITAGSNSIYQDGKGCCTCYQVKCTGHQSCSGSPVTVVLTDQCPGACQ
SEPVHFDLSGTAFGAMAKPGQADQLRNVGRLPVQYTRVPCNWNVDVAFRVDAGS
NANYLAMAIEYEAGDGLRAVELQNGAAAWAPMERSWGAVWRYQSSGSSLQAAP
LSVRLTSGSGKTLVASGVIPAGWQPGNTYRCVVNFGRN*

CDS (coding sequence)

>SbrEXPB-36

ATGGCTTGCAAGCAGCAGATCGGGGTGGTCGTCGTCTTGTCTGCTTCATTGCCAT
CAGTGCTCTCGCCTTCCGTCCCTGCGCAGCCTGGTCGGACGCCGGCGCCACCTGG
TACGGCCCTGCCAACGGCGCTGGGAGCGACGGTGGTGCCTGTGGGTACCAGGGT
GCCGTCCACCAGCCTCCGTTCTCGTCAATGATCACCGCCGGCAGCAATTCCATCT
ACCAGGACGGCAAGGGCTGCGGCACCTGCTACCAGGTGAAGTGCACCGGACACC
AGTCGTGCTCCGGCAGCCCGGTGACAGTGGTCCTCACTGACCAGTGCCCCGGCGC
TTGCCAGTCCGAGCCCGTCCACTTCGACCTCAGCGGGACGGCGTTCGGTGCCATG
GCGAAACCCGGCCAGGCCGACCAGTCCGAAACGTTCGGCCGCTCCCAGTCCAG
TACACCCGGGTGCCGTGCAACTGGAACGGCGTGGACGTGGCCTTCAGGGTGGAC
GCCGGCTCGAACGCCAACTACCTGGCCATGGCCATCGAGTACGAGGCCGGGGAC
GGGACCTGCGCGCCGTGGAGCTGCAAAATGGCGCGGCGGGCGTGGGCGCCCATG
GAACGCTCCTGGGGCGCGGTGTGGCGCTACCAGTCGTCCGGCTCCAGTCTGCAGG
CGGCCCCCTGTCTGTCCGCCTCACCTCCGGCTCCGGCAAGACCCTCGTCGCCAG
CGGCGTCATCCCCGCCGATGGCAGCCCGGCAACACCTACCGCTGCGTCGTCAAC
TTCGGACGAAACTGA

Nucleotide

>SbrEXPB-36

CATCGACCAATGCTTCATTCTGTAGTAGTGCTAGTAGAACCCTCCTAGCTAGATC
ATTGGATACATAGTCAGGCCAACAGATCGGCTTCCGGCATGGCTTGAAGCAGCA
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GTCCCTGCGCAGCCTGGTTCGGACGCCGGCGCCACCTGGTACGGCCCTGCCAACGG
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GATGATATGTAGACGTCAATGCATGCATGGTTTAATCTATCTTTTTGTTGGTATAT
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CGTCAATGATCACCGCCGGCAGCAATTCCATCTACCAGGACGGCAAGGGCTGCG
GCACCTGCTACCAGGTACGTCGATCAGGGTTACGTTTCATATATCTATCGGTTTCATG
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CTCAGCGGGACGGCGTTCGGTGCCATGGCGAAACCCGGCCAGGCCGACCAGCTC
CGAAACGTTCGGCCGCCTCCAGTCCAGTACACCCGGTAAGTGATACTACATGCCT
CTCACCGTCGATTAGCTGCTTGCCTTGCACCGTCGTCGTCCTCGTCCGTCGTCATCGC
AGCCGACGATCTGACCTGACTTGGCGCTGTCTGCAGGGTGCCGTGCAACTGGAAC
GGCGTGGACGTGGCCTTCAGGGTGGACGCCGGCTCGAACGCCAACTACCTGGCC
ATGGCCATCGAGTACGAGGCCGGGGACGGGGACCTGCGCGCCGTGGAGCTGCAA
AATGGCGCGGGCGGGCGTGGGCGCCCATGGAACGCTCCTGGGGCGCGGTGTGGCGC
TACCAGTCGTCCGGCTCCAGTCTGCAGGCGGCCCCCTGTCTGTCCGCCTCACCTC
CGGCTCCGGCAAGACCCTCGTCGCCAGCGGCGTCATCCCCGCCGGATGGCAGCCC
GGCAACACCTACCGCTGCGTCGTCAACTTCGGACGAAACTGATACGAATGATATT
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