

IDENTIFICATION

Species: *Sorghum bicolor* Rio

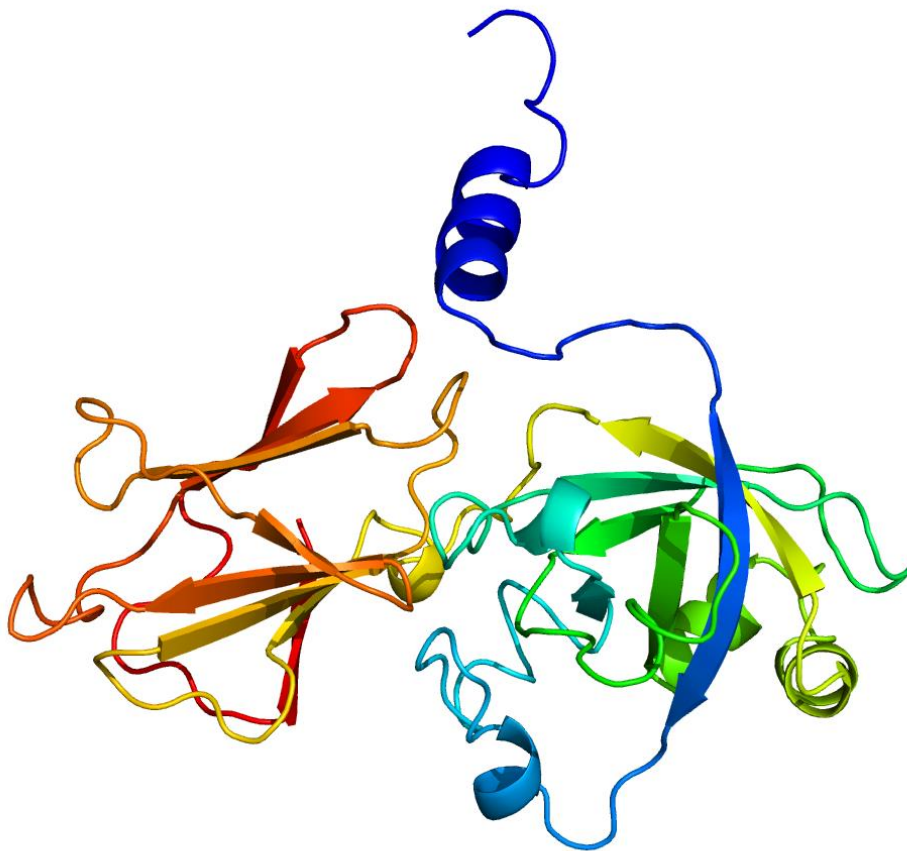
Locus: SbRio.06G187200

Gene Model: SbRio.06G187200.1.p

Description: SbrEXPB-33

Family: Beta Expansin

3D structure:



GENOME DATABASES

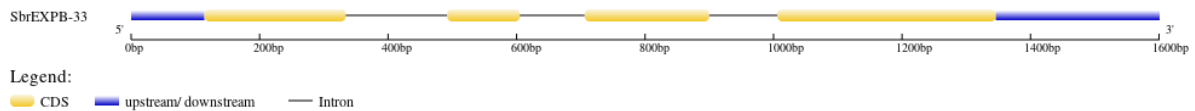
Phytozome: https://phytozome-next.jgi.doe.gov/info/SbicolorRio_v2_1

KEGG:-

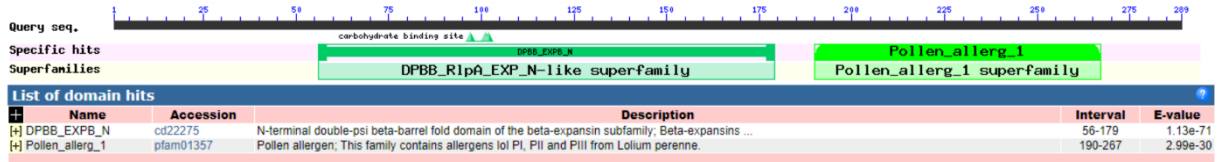
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SbrEXPB-33

MATPVTFRDGVFAVLPILTLLVSPISCYENPRSVSLRNRTTTSRYTSTPARAADRWYS
 GGATWYGYGSPYGAGSDGGACGYQGTVSQRPFSSMIAAGGPSLFFKNGNGCGACYQIKC
 AGNKACSVRPVTVTITDSCPGGVCLARTAHFDMSTAFGAMANRGMADRLRAAGIL
 KIYKRVSCNYNNGAMGGIAFKVDRGSNPFYLAVLIQYLNGDGDAAVHIMQQGGA
 WTPMQHSWGAMWRANSNTGKPLRAPFSVRLISGSGKVLVVRNAIPAGWRAGMTY
 WSTVNYAT*

CDS (coding sequence)

>SbrEXPB-33

ATGGCTACTCCAGTGACATTCCGAGATGGCGTATTCGCGGTGCTGCCAATCCTGA
 CACTTCTTGTAAGCCCCATTTCCTGCTATGAGAATCCGAGGTCCGTGTCTCTTAGG
 AATCGCACTACCACCAGCCGGTACACCTCAACGCCGGCCAGAGCCGCCGATCGAT
 GGTACTCGGGCGGCGCGACGTGGTATGGGAGCCCTTACGGCGCCGGCAGCGACG
 GCGGTGCGTGCGGCTATCAAGGTACCGTCAGCCAGCGCCCGTTCTCGTCGATGAT
 CGCCGCCGGCGGTCCCTTCACTTTTCAAGAACGGCAATGGCTGCGGCGCATGCTAT
 CAGATCAAGTGCGCCGGCAACAAGCCTGTTCCGTTCCGGCCAGTGACTGTTACCA
 TCACCGACTCCTGCCCTGGTGGCGTCTGCCTCGCCAGGACGGCGCACTTTGACAT
 GAGCGGCACTGCCTTCGGCGCCATGGCCAACCGCGGCATGGCCGACCGCCTCCGC
 GCCGCCGAATCCTCAAGATCCAATACAAGAGGGTGTCGTGCAACTACAATAAT
 GGCGCCATGGGAGGAATTGCCTTCAAGGTGGACCGGGGCTCCAACCCGTTCTACC
 TCGCCGTGCTGATCCAGTACCTGAACGGCGACGGTGACCTCGCCGCGGTGCACAT
 CATGCAGCAGGGCGGCGCGTGGACGCCGATGCAGCACTCGTGGGGCGCCATGTG
 GCGCGCAACTCCAACACCGGCAAGCCGCTGCGCGCCCCGTTCTCGGTCCGACTC
 ATCTCCGGCTCCGGCAAGGTGCTCGTCGTCAGGAACGCCATCCCCGCCGGTTGGC
 GCGCCGGTATGACATACTGGTCAACGGTGAACACTACGCCACCTAA

Nucleotide

>SbrEXPB-33

ATAAGTCATCAATAGCAAGAGTCTAGCTCAACTAAAGACGACTATCGATACGTAC
AATTAGCTATAGGAGGACGTCGACGGTGTGCCCCCTCCACAGGAGAGATAGAT
AATCAATGGCTACTCCAGTGACATTCCGAGATGGCGTATTTCGCGGTGCTGCCAAT
CCTGACACTTCTTGTAAGCCCCATTTCTGCTATGAGAATCCGAGGTCCGTGTCTC
TTAGGAATCGCACTACCACCAGCCGGTACACCTCAACGCCGGCCAGAGCCGCCG
ATCGATGGTACTCGGGCGGCGACGTGGTATGGGAGCCCTTACGGCGCCGGCA
GCGACGGTAACTATATACATAGTACTCAATTTGATCACTATATATATGTAATG
CCGTGAAGCGTAGCAGTACTGGAGTAGAAGAAATCGTATTAAGAAGCTTAATC
CTGCAATGCAACTGTAATGGTATATAGTATTCTCTGATGATCTCGTTGCATGCAGG
CGGTGCGTGC GGCTATCAAGGTACCGTCAGCCAGCGCCGTTCTCGTCGATGATC
GCCGCCGGCGGTCTTCACTTTTCAAGAACGGCAATGGCTGCGGGCGCATGCTATC
AGGTTAGTCGTA CTTGTGACTTGC GAAGTGTTGTGTGTACGTGCATTATTCGTCTT
ATAAACACTGATACAAGTGTGTGTGTACTGCTGTACGAATACGAAGATCAAGTG
CGCCGGCAACAAAGCCTGTTCCGTTCCGGCCAGTGACTGTTACCATCACCGACTCC
TGCCCTGGTGGCGTCTGCCTCGCCAGGACGGCGCACTTTGACATGAGCGGCACTG
CCTTCGGCGCCATGGCCAACCGCGGCATGGCCGACCGCCTCCGCGCCGCCGAAT
CCTCAAGATCCAATACAAGAGGTGCTGCTGAGTTTGAAGTTTGAAGTGGCCATGC
ATTCTAGTGAAATTAAGGTATGCACGCATGTCGGCGTGTGACGAAGCTCTCTACT
TTCAACTAATTTTGCAGGGTGTCTGTGCAACTACAATAATGGCGCCATGGGAGGAA
TTGCCTTCAAGGTGGACCGGGGCTCCAACCCGTTCTACCTCGCCGTGCTGATCCA
GTACCTGAACGGCGACGGTGACCTCGCCGCGGTGCACATCATGCAGCAGGGCGG
CGCGTGGACGCCGATGCAGCACTCGTGGGGCGCCATGTGGCGCGCCA ACTCCAA
CACCGGCAAGCCGCTGCGCGCCCCGTTCTCGGTCCGACTCATCTCCGGCTCCGGC
AAGGTGCTCGTCGTCAGGAACGCCATCCCCGCCGGTTGGCGCGCCGGTATGACAT
ACTGGTCAACGGTGA ACTACGCCACCTAATAATAAGCCATTGGTGTAGAGGGATT
AGGTTAATGCTGCGGCAATTGTCAAAGGCTCAAAGCAATTGGTCACGCGAGCCG
GCTTGTAATTCCAGACATTGTAAATTTTCTCCCCCCTGTAGGCGCCTAGCCGGTA
TATATATATGGTCATTTGCACTTCTCAGTCGTTGGTGCAGTGCCGTCTTGGAGACA
TCAAGCACTGTTTGGTGACTGACTATAATTCGCCGACTTCTCAGTCGTTGGTGCAG
TGCCGTC