IDENTIFICATION

Species: *Sorghum bicolor Rio*

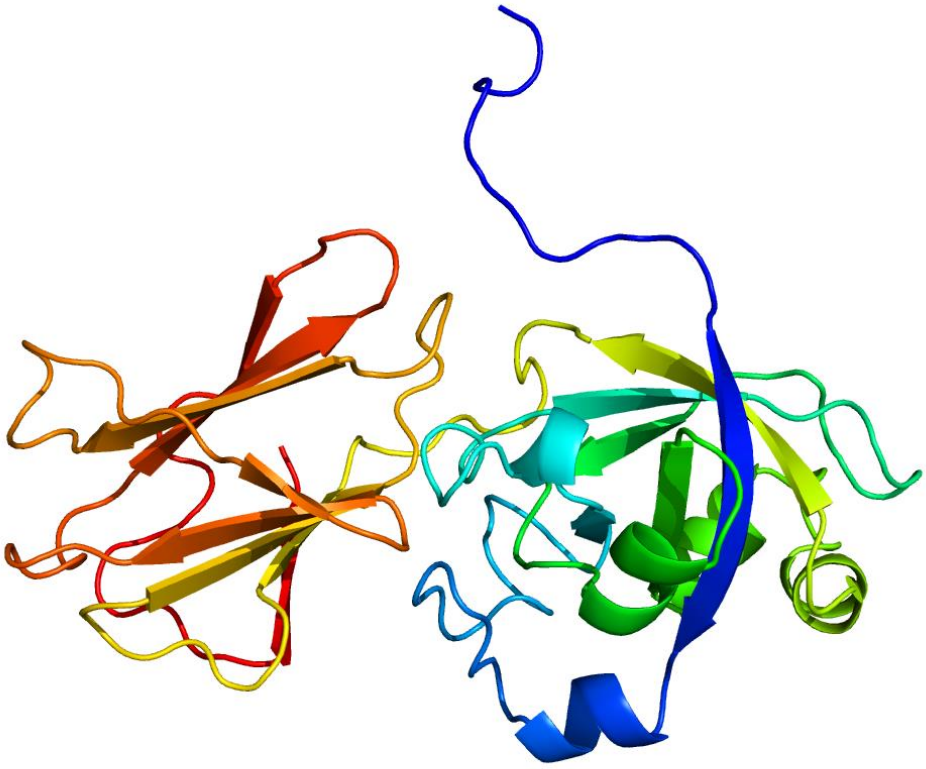
Locus: SbRio.06G187300

Gene Model: SbRio.06G187300.1.p

Description: SbrEXPB-34

Family: Beta Expansin

3D structure:



GENOME DATABASES

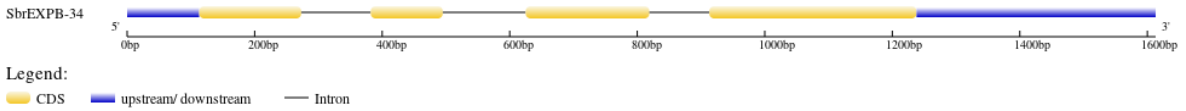
Phytozome: https://phytozome-next.jgi.doe.gov/info/SbicolorRio_v2_1

KEGG:-

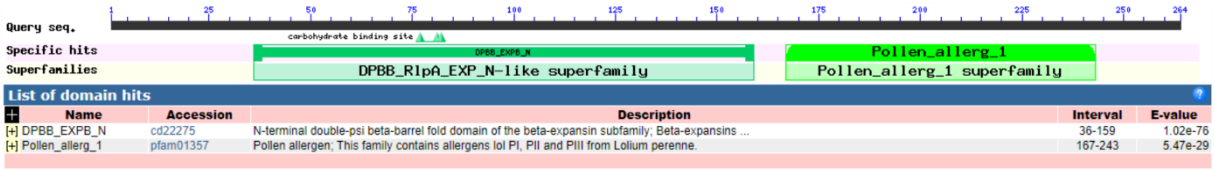
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



Name	Accession	Description	Interval	E-value
[+] DPBB_EXPB_N	cd22275	N-terminal double-psi beta-barrel fold domain of the beta-expansin subfamily; Beta-expansins ...	36-159	1.02e-76
[+] Pollen_allerg_1	pfam01357	Pollen allergen; This family contains allergens lol PI, PII and PIII from Lolium perenne.	167-243	5.47e-29

SEQUENCES

Peptide

>SbrEXPB-34

MASKSQLLSFIAIAALASIIIHPCASVEFHRKLSSWSSGGATWYGAATGAGSDGGACG
YRGAVDQAPFSSMIAAGSPSIYNSGKGCGSCFQVKCTGNGACSGNPVTVVITDECPG
GACLNEPGHFDMSGTAFGAMANPGQADKLRNAGVLQIQYTRVPCNWPGVKLTFVV
DAGSNPEYFAVLIKYVNGDGDLSAVDLMQTGAGALWASMQPSWGAVWKFNAGSA
LQAPLSIRLTSSSGKQLVASNVIPAGWTPGATYQSSVNY*

CDS (coding sequence)

>SbrEXPB-34

ATGGCTTCCAAGTCCCAGCTCCTGTCCTTCATTGCGATTGCGGCTCTAGCCTCGAT
CATCATCCACCCTTGTGCATCCGTCGAGTTTCACCGCAAGCTCTCCAGCTGGTCCA
GCGGCGGCGCGACGTGGTACGGCGCCGCTACTGGGGCTGGAAGTGATGGTGGTG
CATGCGGGTACCGAGGTGCCGTCGACCAGGCGCCCTTCTCGTCCATGATCGCCGC
GGGAAGCCCTTCCATCTACAACTCCGGCAAGGGCTGCGGCTCTTGCTTCCAGGTC
AAATGCACCGGCAATGGCGCGTGCTCCGGCAACCCAGTGACCGTCGTCATCACCG
ATGAATGCCCTGGCGGTGCGTGCCTCAACGAGCCGGGCCACTTCGACATGAGCGG
AACGGCATTCGGCGCCATGGCGAACCCCGGCCAGGCCGACAAGCTGCGCAACGC
CGGCGTCCTCCAAATCCAGTACACCCGTGTGCCATGCAACTGGCCTGGCGTGAAG
CTAACCTTCGTGGTCGACGCCGGCTCGAACCCGGAGTACTTCGCCGTGCTCATTA
AGTACGTGAACGGCGACGGCGACCTCTCCGCCGTCGACCTCATGCAGACCGGGG
CTGGGGCGTTGTGGGCGTCCATGCAGCCGTCGTGGGGCGCCGTCTGGAAGTTCAA
CGCCGGGTCGGCCTTGCAGGCGCCCTTGTCCATCCGCCTGACGTCGAGCTCCGGC
AAGCAGCTCGTCGCCAGCAACGTCATCCCCGCCGGGTGGACGCCCGGCGCCACCT
ACCAGTCCTCTGTCAACTACTAA

Nucleotide

>SbrEXPB-34

GCTCACAGTCTCACGCACCACTTCTCATCTACTTGCGCCCTCTCCCAATCCCAATC
ATCCCTTGCAAAACCACGACATACAGCAAGCCACAGGAGTGAGCAACGACGGCG
GCTATGGCTTCCAAGTCCCAGCTCCTGTCCTTCATTGCGATTGCGGCTCTAGCCTC

GATCATCATCCACCCTTGTGCATCCGTCGAGTTTCACCGCAAGCTCTCCAGCTGGT
CCAGCGGCGGCGCGACGTGGTACGGCGCCGCTACTGGGGCTGGAAGTGATGGTA
TGTCTAGTGACAATATTACATTGACCAAACTCATCATGCTGTGTCAAAGAATTATT
CCCTCATTTGGTCATTTCTCAACGATCGACCTGATGATCGATACACGTAGGTGGTG
CATGCGGGTACCGAGGTGCCGTCGACCAGGCGCCCTTCTCGTCCATGATCGCCGC
GGGAAGCCCTTCCATCTACAACTCCGGCAAGGGCTGCGGCTCTTGCTTCCAGGTG
CGTGCGTGTGTACACTTGTGTGTATTGTACCCGCTGGCGCCTGACGCATCACGCAT
ATATATATATATATATATATATGATGATTCGAACTAATAACGTGGTTGGGAATAAAT
CAACGTTGGCACACAGGTCAAATGCACCGGCAATGGCGCGTGCTCCGGCAACCC
AGTGACCGTCGTCATCACCGATGAATGCCCTGGCGGTGCGTGCCTCAACGAGCCG
GGCCACTTCGACATGAGCGGAACGGCATTCGGCGCCATGGCGAACCCCGGCCAG
GCCGACAAGCTGCGCAACGCCGGCGTCCTCCAAATCCAGTACACCCGGTAGGAA
CTTGTCCTCGACCATGTAGCTAGCATACACGGCACTTGTTGCACTATTCCAATAAC
CGCGCCAAACACTGTCCTTTATTACGTACAGTGTGCCATGCAACTGGCCTGGCGT
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TGTGTATCAGTGATCGCAGAGCTTATTAGCGACGTCACTGTATAATGGAGTCATT
GTTGTTGAATGGTGATT