

IDENTIFICATION

Species: *Sorghum bicolor* Rio

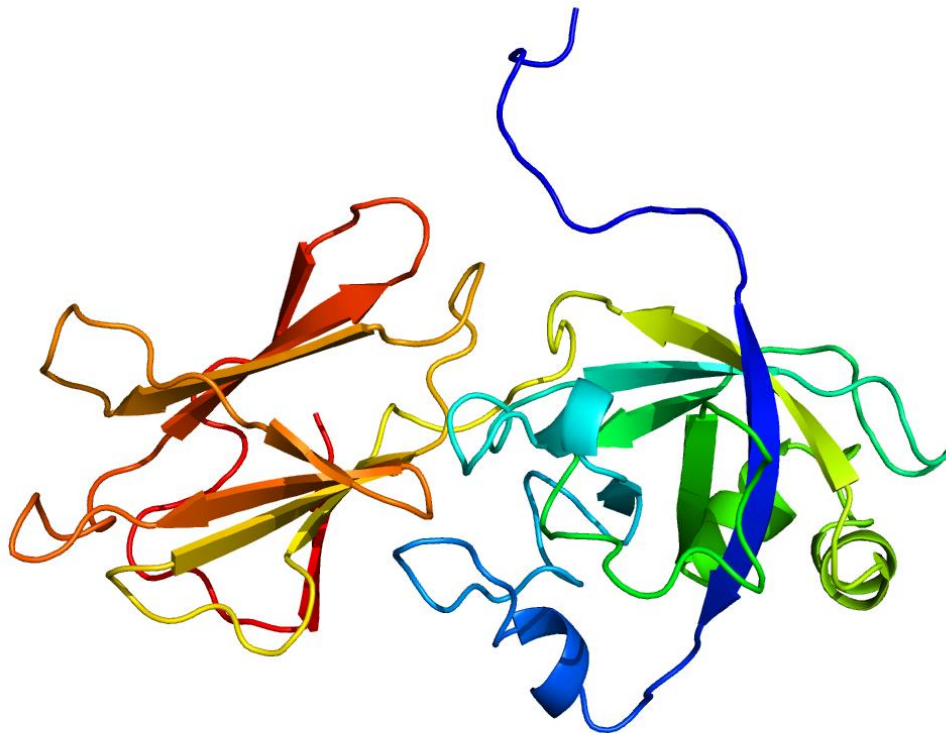
Locus: SbRio.06G187400

Gene Model: SbRio.06G187400.1.p

Description: SbrEXPB-35

Family: Beta Expansin

3D structure:



GENOME DATABASES

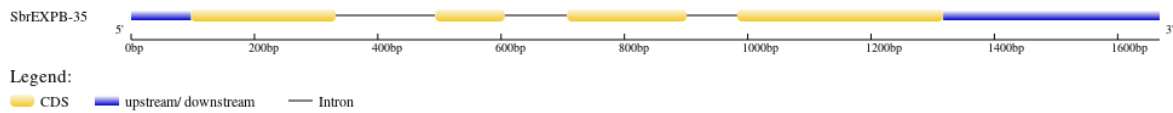
Phytozome: https://phytozome-next.jgi.doe.gov/info/SbicolorRio_v2_1

KEGG:-

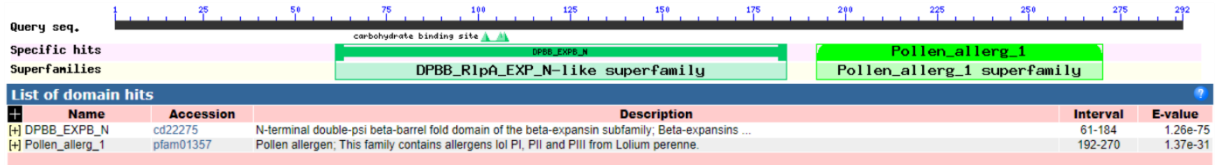
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SbrEXPB-35

MAASPSTFRFAAVVAVLSTLSLLASPTSGYENAEPMVIRDSPQNDSRRYLWASSAR
 GYGWSSGGATWYGNANGAGSDGGACGYKGDVSRPFRSMIAAGGPSLFKNGKGC
 GACYQIKCTGNRACSGRPVTVTITDSCPGGACLAESAHFDMMSGTAFGAMANRGMAD
 RLRSA GILKIYKRV PCKYNGRTVNFKVDAGSNPYYLAVLIEYVAGDGEISAVDIMQ
 AGYNSWTPMQQSWGAVWRVNSNNGQPLRV PFSVRITSGAGKVLVARN AIPAGWSA
 GR TYRSAVNFGY*

CDS (coding sequence)

>SbrEXPB-35

ATGGCGGCTAGTCCGAGCACATTCCGATTTGCTGCCGTAGTGGCCGTGCTGTCTCGA
 CCCTGTCACTTCTTGCAAGCCCTACCTCCGGCTACGAGAACGCCGAGCCCATGGT
 GATCAGGGACTCGCCGCAGAACGACACCAGCAGGAGGTACCTGTGGGCGTCGTC
 GGCGCGAGGCTACGGCTGGTCTCCGGCGGCGCGACGTGGTACGGCAACGCTAA
 CGGCGCCGGCAGCGACGGTGGTGCTTGTGGTTATAAAGGTGATGTCAGCCAGCGC
 CCATTCAGGTCGATGATCGCGGCCGGCGGCCCTTCCCTCTTCAAGAACGGCAAAG
 GATGCGGCGCATGCTACCAAATTAAGTGCACGGGCAACAGAGCCTGCTCCGGCC
 GGCCAGTGACGGTCACCATCACCGACTCCTGCCCGGCGGTGCGTGCCTTGCCGA
 GTCGGCGCACTTTGACATGAGCGGCACGGCCTTCGGCGCCATGGCCAACCGCGGC
 ATGGCTGACCGCCTCCGCTCCGCCGGAATCCTCAAGATCCAGTACAAGAGGGTGC
 CCTGCAAGTACAACGGCAGGACCGTCAACTTCAAGGTGGACGCGGGGTCCAACC
 CGTACTACCTCGCCGTGCTGATCGAGTACGTGGCCGGAGACGGCGAGATCTCCGC
 GGTGGACATCATGCAAGCCGGCTACAACCTCGTGGACGCCGATGCAGCAGTCGTG
 GGGCGCCGTGTGGCGGGTCAACTCGAACAACGGCCAGCCGCTCCGCGTGCCTTC
 TCGGTCCGCATCACCTCGGGCGCCGGCAAGGTCTCGTCGCCAGGAACGCCATCC
 CCGCCGGATGGAGCGCCGGGAGGACCTACCGCTCCGCAGTGA ACTTTGGCTACTG
 A

Nucleotide

>SbrEXPB-35

CATCACCATAACCAAGCACCAGCTAGACCTTCTATAGTCCATTGGCCCTCGTCTCA
GCTCGTCTCCTATAGCGTATCACAAACAGGAGACGACGATCAATGGCGGCTAGTC
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GCAAGCCCTACCTCCGGCTACGAGAACGCCGAGCCCATGGTGATCAGGGACTCG
CCGCAGAACGACACCAGCAGGAGGTACCTGTGGGCGTCGTCGGGCGCGAGGCTAC
GGCTGGTCCCTCCGGCGGCGCGACGTGGTACGGCAACGCTAACGGCGCCGGCAGC
GACGGTACGTAGTAACAGCAGCACGTGCTCTGCTCAATGCGCGGGTGAAACTTAA
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AGTCAGTATACACACACGTACTATACGTTGACCGTGAGAGGTGCCACGCACGTTC
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CACGGGCAACAGAGCCTGCTCCGGCCGGCCAGTGACGGTCACCATCACCGACTCC
TGCCCCGGCGGTGCGTGCCTTGCCGAGTCGGCGCACTTTGACATGAGCGGCACGG
CCTTCGGCGCCATGGCCAACCGCGGCATGGCTGACCGCCTCCGCTCCGCCGGAAT
CCTCAAGATCCAGTACAAGAGGTGATTGTTGCTACTCATAGTAGTAACCATGCAT
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GACGACCACAGTGTGTTTTCCCTTGTGATGTAATGATGTCTTGGTGTCCCTAATGC
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GCTAGGCTTGAGCAAGCCA