

IDENTIFICATION

Species: *Sorghum bicolor* Rio

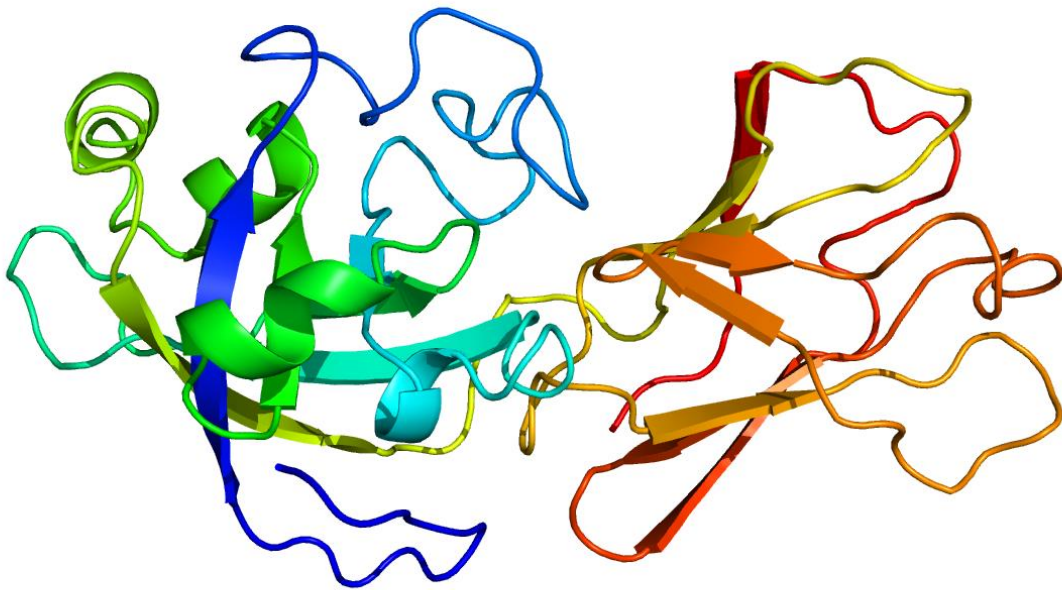
Locus: SbRio.04G313800

Gene Model: SbRio.04G313800.1.p

Description: SbrEXPB-29

Family: Beta Expansin

3D structure:



GENOME DATABASES

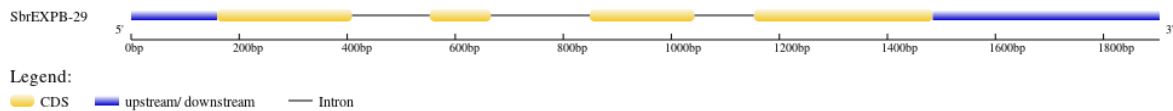
Phytozome: https://phytozome-next.jgi.doe.gov/info/SbicolorRio_v2_1

KEGG:-

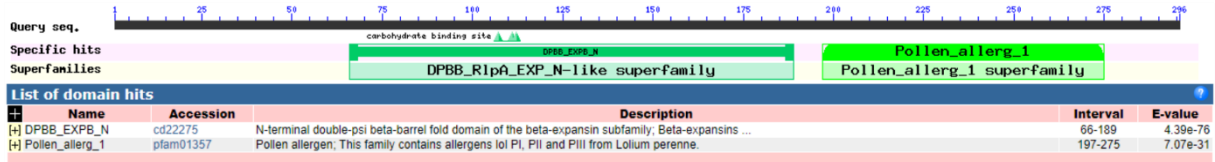
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SbrEXPB-29

MAKSYTFLFGALVVLALLVSPIACSRKLAKP NKHKPTHKPAARVVAPRSNYTSTPSA
SDAYGSGGWLSAGATYYGAPNGDGS DGGACGYQTA V GQRP FSSMIAAGSPSLFKGG
KGCGACYEVKCD SNAACSGQPATV VITDECPGGVCLAEAAHFDMSGTSMGAMAKP
GMADRLRAAGILKIYKRV PCKYSGVNIAFRVDQGSNPFYLEVLVEFEDGDGDL S AV
DLMEAGCGTWTPMVQNW GALWRYNSNTGKALKAPFSLRLTSDSGKVLVANNVIPA
GWNPGATYRSLVNYS*

CDS (coding sequence)

>SbrEXPB-29

ATGGCGAAATCTTACACCTT CCTGTT CGGTGCACTGGTCGTCCTCGCGCTTCTAGT
GAGCCCCATTGCTTGCTCCCGCAAGCTCGCCAAGCCGAACAAACAAGCCCACC
CACAAGCCGGCTGCCAGGGTCGTCGCGCCCCGCAGCAACTACACCTCCACCCCCT
CGGCGTCCGACGCATACGGCTCCGGCGGCTGGCTGTCTGCCGGCGCGACGTACTA
CGGCGCCCCAAACGGCGACGGCAGTGACGGCGGTGCGTGCGGATAACCAGACCGC
CGTCGGGCAGCGGCCCTTCTCGTCGATGATCGCCGCCGGGAGCCCGTCTCTGTTC
AAGGGAGGCAAGGGCTGCGGGCGCCTGCTACGAGGTTAAATGCGACAGCAACGCG
GCGTGCTCCGGCCAGCCGGCCACCGTGGTCATCACCAGCAGGTGCCCGGCGGGT
TCTGCCTTGCGGAGGCGGCTCACTTCGACATGAGCGGCACTTCCATGGGCGCCAT
GGCCAAGCCCGGCATGGCCGACAGGCTTCGCGCCGCCGGCATCCTCAAGATCCA
GTACAAGAGGGTGCCGTGCAAGTACAGCGGCGTGAACATCGCGTTCCGGGTGGA
CCAGGGCTCAAACCCGTTCTACTTGGAGGTGCTGGTGGAGTTCGAGGACGGCGAC
GGCGACCTCAGCGCCGTGGACCTGATGGAGGCCGGGTGCGGCACCTGGACGCCG
ATGGTG CAGAACTGGGGCGCGCTGTGGCGCTACA ACTCCAACACCGGCAAGGCG
CTCAAGGCGCCCTTCTCGCTCCGCCTCACCTCCGACTCCGGCAAGGTGCTCGTCG
CAACAACGTCATCCCCGCCGGCTGGAACCCCGGCCACGTACCGCTCCTTGGTC
AACTACTCCTAA

Nucleotide

>SbrEXPB-29

CACCAAACGAACACTCGAGCTCTACTCTAAGCTCAGCCTCACAGCTGCTCCTCTC
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CCCATTGCTTGCTCCCGCAAGCTCGCCAAGCCGAACAAACACAAGCCCACCCACA
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CTACGAGGTCAGTCAGCCACAACGGCAAACGCATTGCCACAGTTCGAGTTCGTCG
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CGGCATGGCCGACAGGCTTCGCGCCCGCCGGCATCCTCAAGATCCAGTACAAGAG
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ATCCCCGCCGGCTGGAACCCCGGCGCCACGTACCGCTCCTTGGTCAACTACTCCT
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