

IDENTIFICATION

Species: *Sorghum bicolor* Rio

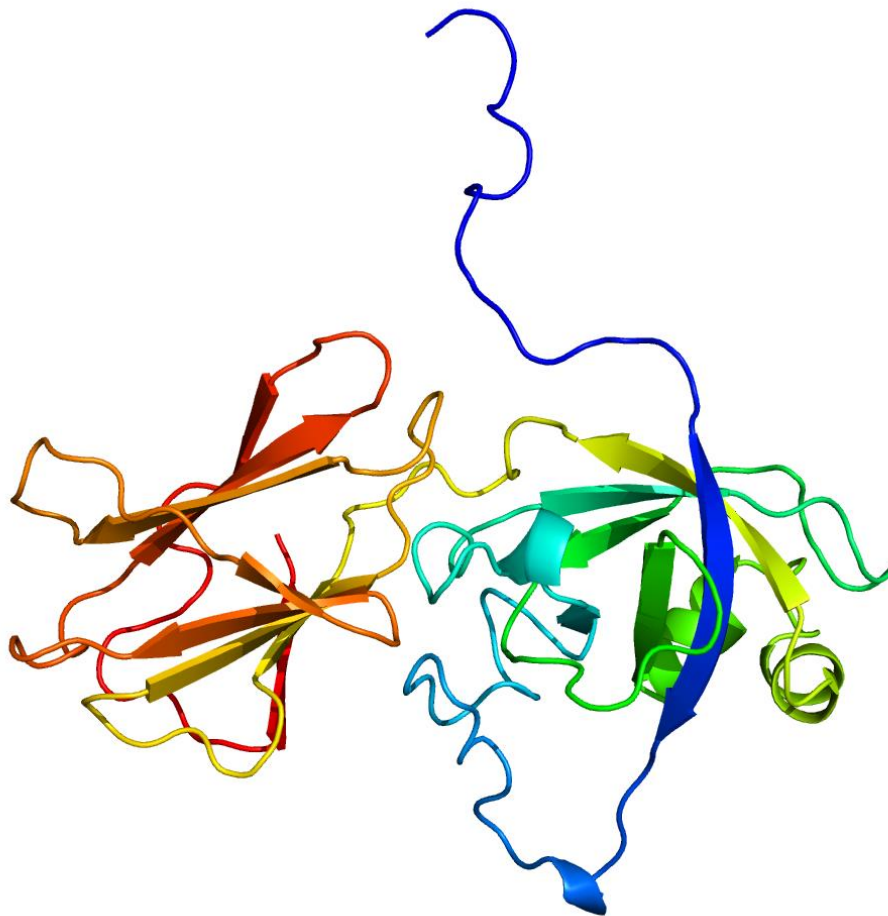
Locus: SbRio.01G576500

Gene Model: SbRio.01G576500.1.p

Description: SbrEXPB-19

Family: Beta Expansin

3D structure:



GENOME DATABASES

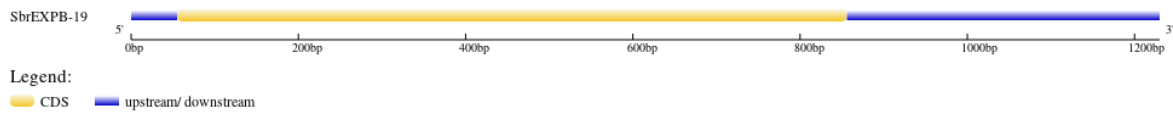
Phytozome: https://phytozome-next.jgi.doe.gov/info/SbicolorRio_v2_1

KEGG:-

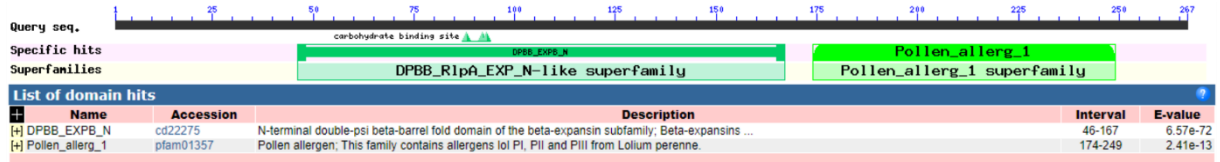
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SbrEXPB-19

MGVNMMSWSMQVASVVALAFLVGGAWCGPPKVAPGKNITATYGSDWLEAKATW
YGKPTGAGPDDNNGGACGYKDVNKAPFNSMGACGNLPIFKDGLGCGSCFEIKCDKPA
ECSGEAVVVHITDMNYEQIAAYHFDLAGTAFGAMAKKGEEELRKAGIIDMKFRRV
KCKYGEKVTFHVEKGSNPNYLALLVKYVDGDGDVVGVDIKEKGGDAYQPLKHSWG
AIWRKDSDKPIKFPVTIQITTEGGTKTAYEDVIPEGWKADTTYTAK*

CDS (coding sequence)

>SbrEXPB-19

ATGGGAGTGAACATGATGTCATGGTCGATGCAGGTGGCGTCCGTGGTGGCGCTAG
CGTTTCTGGTGGGCGGCGCATGGTGCGGTCCTCCAAGGTTGCCCGGGCAAGAA
CATCACGGCCACCTACGGCAGCGACTGGCTGGAAGCAAAGGCAACATGGTACGG
TAAGCCAACGGGCGCCGCCCCGACGACAACGGCGGCGCATGCGGTTACAAGGA
TGTGAACAAGGCCCTTCAACAGCATGGGCGCGTGCGGCAACCTCCCCATCTTC
AAGGACGGCCTCGGCTGCGGCTCCTGCTTTGAGATCAAGTGTGACAAGCCGGCCG
AGTGCTCCGGCGAGGCCGTGGTGGTGCACATCACGGACATGAACTACGAGCAA
TCGCCGCCTACCACTTCGACCTGGCCGGCACGGCGTTCGGCGCCATGGCCAAGAA
GGGCGAGGAGGAGAAGCTGCGCAAGGCGGGCATCATCGACATGAAGTTCGCGCG
GGTCAAGTGCAAGTACGGTGAAAAGGTCACCTTCCACGTGGAGAAGGGGAGCAA
CCCCAACTACCTGGCTCTGTTGGTCAAGTACGTCGACGGCGACGGTGACGTTGTG
GGGGTGGACATCAAGGAGAAGGGTGGCGACGCGTACCAGCCCCTCAAGCACTCC
TGGGGCGCTATCTGGAGGAAGGACAGCGACAAGCCAATCAAGTTTCCCGTCACC
ATCCAAATCACCACCGAGGGAGGCACCAAGACCGCCTACGAAGACGTCATCCCC
GAAGGCTGGAAGGCCGACACCACCTACACCGCCAAATAA

Nucleotide

>SbrEXPB-19

ATATTCATCGCATCGCAGTAACATTACATACCATCCACCAAACGATCGAAGGAAG
ATGGGAGTGAACATGATGTCATGGTCGATGCAGGTGGCGTCCGTGGTGGCGCTAG
CGTTTCTGGTGGGCGGCGCATGGTGCGGTCCTCCAAGGTTGCCCGGGCAAGAA

CATCACGGCCACCTACGGCAGCGACTGGCTGGAAGCAAAGGCAACATGGTACGG
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TGTGAACAAGGCCCCCTTCAACAGCATGGGCGCGTGC GGCAACCTCCCCATCTTC
AAGGACGGCCTCGGCTGCGGCTCCTGCTTTGAGATCAAGTGTGACAAGCCGGCCG
AGTGCTCCGGCGAGGCCGTGGTGGTGCACATCACGGACATGAACTACGAGCAAA
TCGCCGCCTACCACTTCGACCTGGCCGGCACGGCGTTCGGCGCCATGGCCAAGAA
GGGCGAGGAGGAGAAGCTGCGCAAGGCGGGCATCATCGACATGAAGTTCCGCCG
GGTCAAGTGCAAGTACGGTGAAAAGGTCACCTTCCACGTGGAGAAGGGGAGCAA
CCCCAACTACCTGGCTCTGTTGGTCAAGTACGTGACGGCGACGGTGACGTTGTG
GGGGTGGACATCAAGGAGAAGGGTGGCGACGCGTACCAGCCCCTCAAGCACTCC
TGGGGCGCTATCTGGAGGAAGGACAGCGACAAGCCAATCAAGTTTCCCGTCACC
ATCCAAATCACCACCGAGGGAGGCACCAAGACCGCCTACGAAGACGTCATCCCC
GAAGGCTGGAAGGCCGACACCACCTACACCGCCAAATAAACTGTCCAACAGACC
TAACGCTGCTCTGGGCTCGGTTGGATTGGATCCCAACTTCCCAAGCAATGCATTA
CACTTACGCATGCATCGATCCATGCACAATATCTATTTTTTTACTGCTGCTACTGC
TACGACAATGTCCTCCTTTGTCCTCTCCATATATAGCTAGAGTCAGGCTCCGCTCT
CTTATATTATTATTATATAAGATAAGAAATAGGAGAGAGAGGAGAGAGAGACCG
AGTACATAATAAGTGTCTAATTAAGAGAGATTTGAGAGGCCTTTATTTTGTATA
TAATAAAGAATCCAAGGAGTGAGGCAAACAGCAACAAAAATGCGTTGTACTGTC
CATGGATAACCATGTAATCTCAATTATAC