

## IDENTIFICATION

**Species:** *Sorghum bicolor* Rio

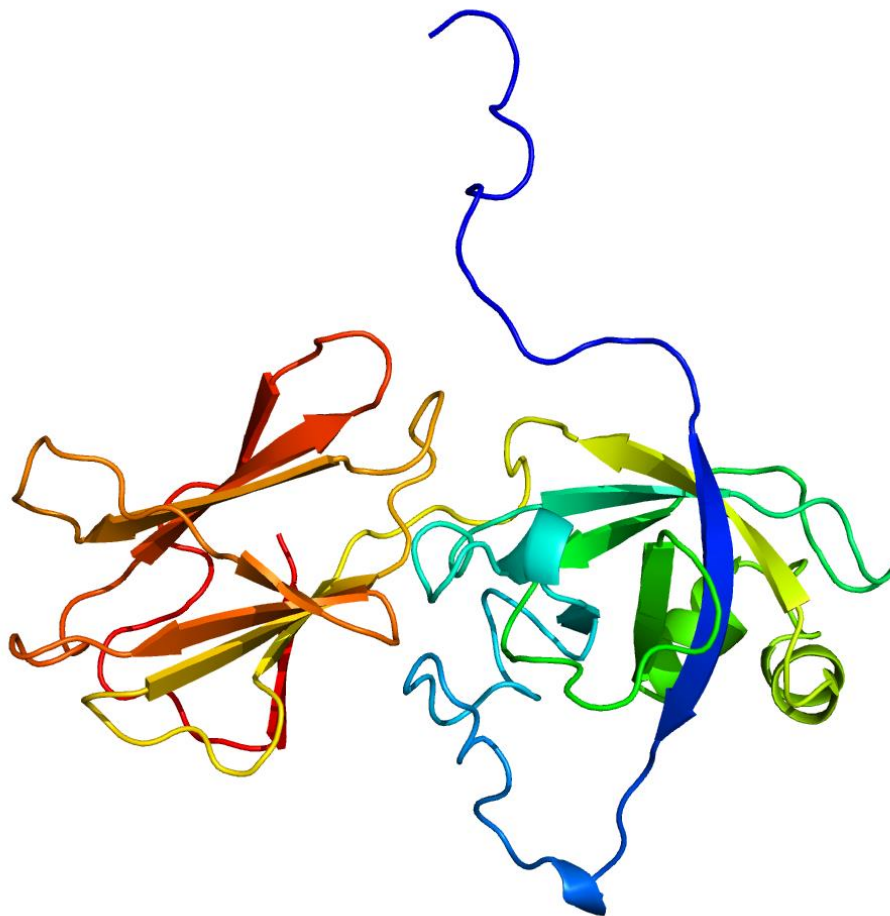
**Locus:** SbRio.01G576700

**Gene Model:** SbRio.01G576700.1.p

**Description:** SbrEXPB-21

**Family:** Beta Expansin

**3D structure:**



## GENOME DATABASES

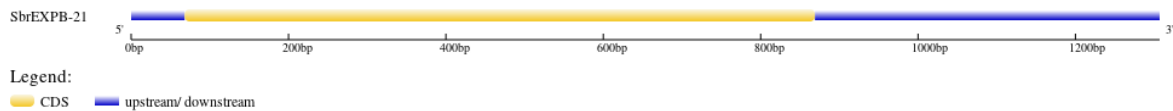
Phytozome: [https://phytozome-next.jgi.doe.gov/info/SbicolorRio\\_v2\\_1](https://phytozome-next.jgi.doe.gov/info/SbicolorRio_v2_1)

KEGG:-

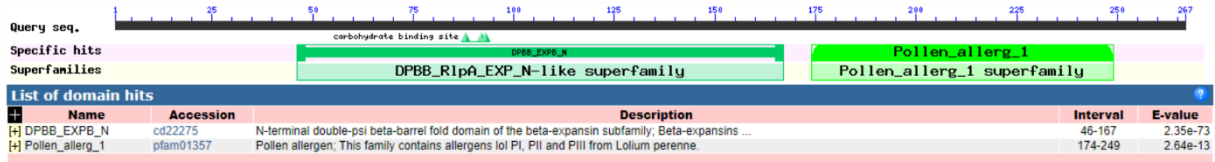
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>SbrEXPB-21

MGVNMMSWSMQVVLVVALAFLVGGAWCGPPKVAPGKNITATYGSDWLEAKATW  
YGKPTGAGPDDNNGGACGYKDVNKAPFNSMGACGNLPIFKDGLGCGSCFEIKCDKPA  
ECSGEAVVVHITDMNYEQIAAYHFDLAGTAFGAMAKKGEEELRKAGIIDMQFRRV  
KCKYGEKVTFHVEKGSNPNYLALLVKYVDGDGDVVGVDIKEKGGDAYQPLKHSWG  
AVWRKSDSKPIKFPVTVQITTEGGTKTAYEDVIPEGWKADTTYTAK\*

### CDS (coding sequence)

>SbrEXPB-21

ATGGGAGTGAACATGATGTCGTGGTTCGATGCAGGTGGTGTGGTGGTGGCGCTGG  
CGTTTTTGGTGGGTGGTGCATGGTGCGGTCCTCCCAAGGTTGCCCGGGCAAGAA  
CATCACGGCCACCTACGGCAGCGACTGGCTGGAAGCGAAGGCGACATGGTACGG  
CAAGCCGACGGGCGCCGGCCCCGACGACAACGGCGGCGCGTGCGGGTACAAGGA  
TGTGAACAAGGCCCCCTTCAACAGCATGGGCGCGTGCGGCAACCTCCCCATCTTC  
AAAGACGGCCTCGGCTGTGGCTCCTGCTTTGAGATCAAGTGCGACAAGCCAGCCG  
AGTGCTCCGGCGAGGCTGTGGTGGTGCACATCACGGACATGAACTACGAGCAA  
TCGCCGCCTACCACTTCGACCTCGCCGGCACGGCATTTCGGTGCCATGGCCAAGAA  
GGGCGAGGAGGAGAAGCTGCGCAAGGCGGGCATCATCGACATGCAATTCGCCCG  
GGTCAAGTGCAAGTACGGCGAAAAGGTCACCTTCCACGTGGAGAAGGGGAGCAA  
CCCCAACTACCTGGCATTGCTGGTCAAGTATGTTCGATGGCGACGGTGACGTTGTG  
GGGGTGGACATCAAGGAGAAGGGTGGCGACGCTTACCAGCCCCTCAAGCACTCC  
TGGGGCGCTGTTTGGAGGAAGGACAGCGACAAGCCCATCAAGTTCCCCGTCACTG  
TCCAAATCACCACCGAGGGAGGCACCAAGACCGCCTACGAAGACGTCATCCCCG  
AAGGATGGAAGGCCGACACCACGTACACTGCCAAATAA

### Nucleotide

>SbrEXPB-21

ATATTCATCGCCTCACAGTTACATACATTATTACATACCATCCACCGATCGACGAT  
CCAAGGAAGAAGATGGGAGTGAACATGATGTCGTGGTTCGATGCAGGTGGTGTG  
GTGGTGGCGCTGGCGTTTTTGGTGGGTGGTGCATGGTGCGGTCCTCCCAAGGTTG

CCCCGGGCAAGAACATCACGGCCACCTACGGCAGCGACTGGCTGGAAGCGAAGG  
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GCGGGTACAAGGATGTGAACAAGGCCCCCTTCAACAGCATGGGCGCGTGCGGCA  
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CCCCTCAAGCACTCCTGGGGCGCTGTTTGGAGGAAGGACAGCGACAAGCCCATC  
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AAGACGTCATCCCCGAAGGATGGAAGGCCGACACCACGTACACTGCCAAATAAG  
CTATCCAGCAGACCTACCACAGATCTGGGCTGGGTTGGATTGGATCCCAGCTACC  
CAAGCAATGCATTACACTTATGCATGCATTGATCCATGCATAATATCTATTTTTTA  
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