

## IDENTIFICATION

**Species:** *Sorghum bicolor* Rio

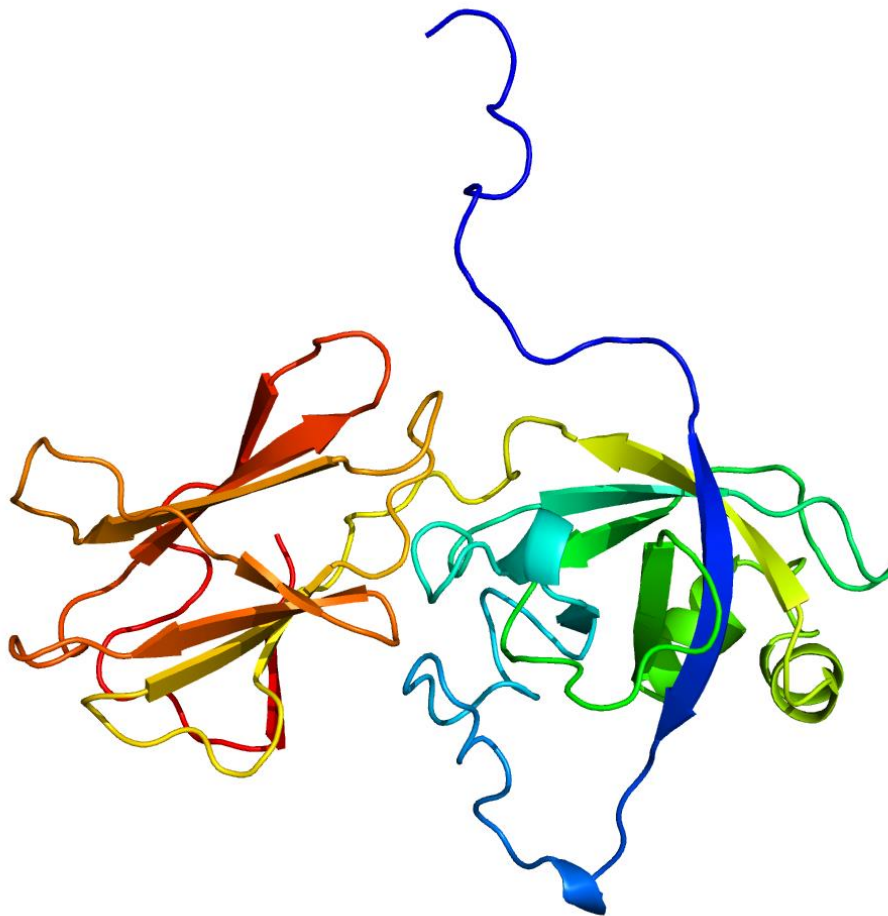
**Locus:** SbRio.01G576600

**Gene Model:** SbRio.01G576600.1.p

**Description:** SbrEXPB-20

**Family:** Beta Expansin

**3D structure:**



## GENOME DATABASES

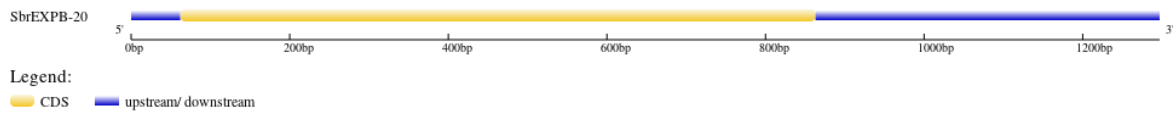
Phytozome: [https://phytozome-next.jgi.doe.gov/info/SbicolorRio\\_v2\\_1](https://phytozome-next.jgi.doe.gov/info/SbicolorRio_v2_1)

KEGG:-

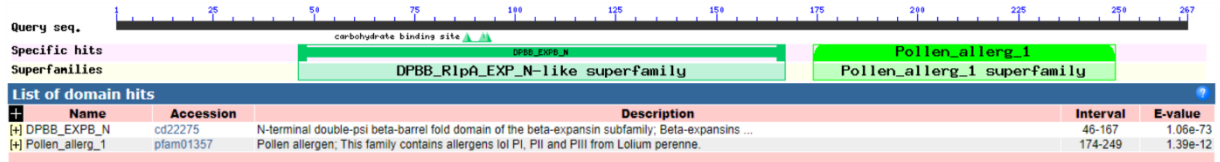
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>SbrEXPB-20

MGVNMMSWSMQVAVVVALAFLVGGAWCGPPKVAPGKNITATYGSDWLEAKATW  
YGKPTGAGPDDNNGGACGYKDVNKAPFNSMGACGNLPIFKDGLGCGSCFEIKCNKPA  
ECSGEAVVVHITDMNYEQIAAYHFDLAGTAFGAMAKKGEEKLRKAGIIDMQFRRV  
KCKYGEKVTFHVEKGSNPNYLALLVKYVDGDGDVVGVDIKEKGGDAYQSLKHSWG  
AVWRKDSKPIKFPVTVQITTEGGTKTAYEDVIPEGWKADTTYTAK\*

### CDS (coding sequence)

>SbrEXPB-20

ATGGGAGTGAACATGATGTCGTGGTTCGATGCAGGTGGCGGTGGTGGTGGCGCTG  
GCGTTTCTGGTGGGCGGCGCATGGTGCGGTCCTCCTAAGGTTGCCCCGGGCAAGA  
ACATCACGGCCACCTACGGCAGCGACTGGCTGGAAGCGAAGGCGACATGGTACG  
GCAAGCCGACGGGCGCCGGCCCCGACGACAACGGCGGCGCGTGCGGGTACAAGG  
ATGTGAACAAGGCCCCCTTCAACAGCATGGGCGCGTGTGGCAACCTCCCCATCTT  
CAAGGACGGCCTCGGCTGCGGCTCTTGCTTTGAGATCAAGTGCAACAAGCCGGCC  
GAGTGCTCTGGTGAGGCCGTGGTGGTGACATCACAGACATGAACACTACGAGCAA  
ATCGCCGCTACCACTTCGACCTGGCCGGCACGGCGTTCGGCGCCATGGCCAAGA  
AGGGCGAGGAGGAGAAGCTGCGCAAGGCGGGCATCATCGACATGCAGTTTCGCC  
GGGTCAAGTGCAAGTACGGCGAAAAGGTCACCTTCCACGTGGAGAAGGGGAGCA  
ACCCCAATTACCTGGCATTGCTGGTCAAGTATGTCGATGGTGACGGTGACGTTGT  
GGGGGTGGACATCAAGGAGAAGGGTGGCGACGCGTACCAGTCCCTTAAGCACTC  
CTGGGGCGCTGTCTGGAGGAAGGACAGCGACAAGCCCATCAAGTTCCCCGTCACT  
GTCCAAATCACCACCGAGGGAGGCACCAAGACTGCCTACGAAGACGTCATCCCC  
GAAGGCTGGAAGGCCGACACCACCTACACCGCCAAATAA

### Nucleotide

>SbrEXPB-20

ATATTCATCGCCTCACAAATTACATACATCACATACCATCCACCGATCGACGATCC  
AAGGAAGATGGGAGTGAACATGATGTCGTGGTTCGATGCAGGTGGCGGTGGTGGT  
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GGCAAGAACATCACGGCCACCTACGGCAGCGACTGGCTGGAAGCGAAGGCGACA

TGGTACGGCAAGCCGACGGGCGCCGGCCCCGACGACAACGGCGGGCGCGTGCGGG  
TACAAGGATGTGAACAAGGCCCCCTTCAACAGCATGGGCGCGTGTGGCAACCTCC  
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CCAAGAAGGGCGAGGAGGAGAAGCTGCGCAAGGCGGGCATCATCGACATGCAGT  
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CGTTGTGGGGGTGGACATCAAGGAGAAGGGTGGCGACGCGTACCAGTCCCTTAA  
GCACTCCTGGGGCGCTGTCTGGAGGAAGGACAGCGACAAGCCCATCAAGTCCC  
CGTCACTGTCCAAATCACCAACCGAGGGAGGCACCAAGACTGCCTACGAAGACGT  
CATCCCCGAAGGCTGGAAGGCCGACACCACCTACACCGCCAAATAAGCTATCCA  
ACAGATCTACGACTGCTCTGGTCTAGGTTGGATTGGATCGCAACTTCCCAAGCAA  
TGCATTACACTTATGCATGGATTGATCCATGCATAATGCTTATTTTTTACTGCTGC  
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GAATACACATTTTTTCAAGACTAACTGAAATTATGATACA