

## IDENTIFICATION

**Species:** *Sorghum bicolor* Rio

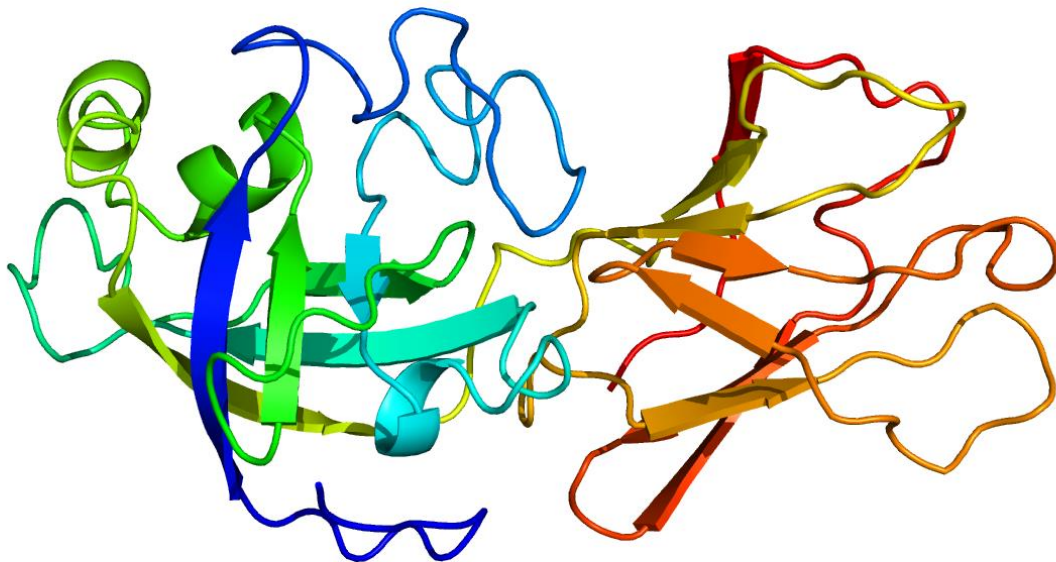
**Locus:** SbRio.01G293600

**Gene Model:** SbRio.01G293600.1.p

**Description:** SbrEXPB-09

**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:-

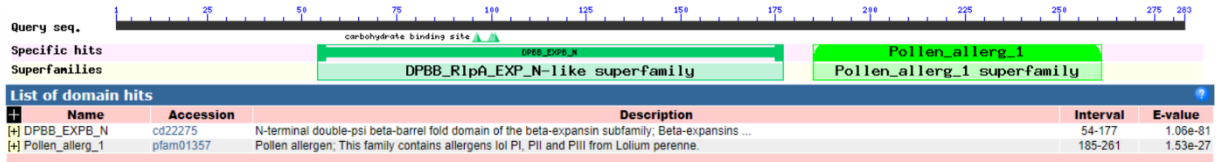
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>SbrEXPB-09

MATALSFKAAFAVAALLSVVAVTYGARAQQQPDLHNATDSQSQDRSLLSYSSGWLP  
AKATWYGAPTGAGPDDNGGACGFKGTNQYFSSMTSCGNEPIFKDGKGCSCYQIR  
CLKSNHPACSGVPQTVIITDMNYYPVAKYHFDLSGTAFGAMASWGLNDKLRHAGIID  
MQFRRVPCNFPGLTITFRVQHGSNPMYLAVLIEHENQDGDVVQADIMQNNNSGYWEP  
MHESWGSIWRIDPNRPLRGPFSIRITNESGKQLVAKNIIPANYVADVDYRSYVQYTS\*

### CDS (coding sequence)

>SbrEXPB-09

ATGGCCACCGCGCTCTCCTTCAAGGCCGCCTTTGCAGTGGCCGCGCTCCTCTCCGT  
GGTCGCCGTCACCTATGGCGCTCGCGCCCAGCAGCAGCCCGACCTGCACAACGCC  
ACCGACTCGCAGTCGCAGGACAGATCCTTGTGTGCCTACAGCAGTGGCTGGCTGC  
CGGCCAAGGCCACCTGGTACGGCGCGCCCACCGGCGCCGGCCCCGACGACAACG  
GTGGTGCCTGCGGGTTCAAGGGCACGAACCAGTACCCGTTCTCGTCCATGACGTC  
GTGTGGCAACGAGCCATCTTCAAGGACGGCAAGGGCTGCGGCTCATGCTATCAG  
ATACGGTGCCTTAAGAGCAACCACCCGGCCTGCTCCGGCGTGCCGCAGACGGTGA  
TCATCACCGACATGAACTACTACCCGGTTGCCAAGTACCACTTCGACCTGAGCGG  
CACGGCGTTCGGCGCCATGGCGAGCTGGGGCCTCAACGACAAGCTCCGGCACGC  
CGGGATCATCGACATGCAGTTCAGGAGGGTGCCGTGCAACTTCCCGGGCCTGACC  
ATCACCTTCCGCGTGCAGCACGGGTCCAACCCCATGTACCTCGCCGTGCTCATCG  
AGCACGAGAACCAGGACGGCGACGTGGTGCAGGCGGACATCATGCAGAACAACT  
CCGGTACTGGGAGCCCATGCACGAGTCCTGGGGATCCATCTGGAGGATCGACCC  
CAACCGCCCGCTCAGGGGCCCTTCTCCATCCGCATCACCAACGAGTCCGGCAAG  
CAGCTGGTGGCCAAGAACATTATCCCGGCCAACTATGTCGCCGACGTGCGATTACC  
GCTCCTACGTCCAGTATACTAGCTAA

### Nucleotide

>SbrEXPB-09

CCTCACACCATCGAAACACAAACCAGGCAGCAGCGAACTGCCAAGCAAAGCCGA  
GGTCCCTAGGCCACAGCTACTGCAACAATGGCCACCGCGCTCTCCTTCAAGGCCG

CCTTTGCAGTGGCCGCGCTCCTCTCCGTGGTCGCCGTCACCTATGGCGCTCGCGCC  
CAGCAGCAGCCCGACCTGCACAACGCCACCGACTCGCAGTCGCAGGACAGATCC  
TTGTTGTCCTACAGCAGTGGCTGGCTGCCGGCCAAGGCCACCTGGTACGGCGCGC  
CCACCGGCGCCGGCCCCGACGACAACGGTAAGGATCCGCGCGCACTCCAAGCCA  
TCCATCGATCTCTCCATGTCTGTATATGTTGTCCTCTGCAATGTGGCCATGCCTAA  
ATGTGTCTTGTGGTGTCAATCTTTTTGCTAGGTGGTGCCTGCGGGTTCAAGGGC  
ACGAACCAGTACCCGTTCTCGTCCATGACGTCGTGTGGCAACGAGCCCATCTTCA  
AGGACGGCAAGGGCTGCGGGCTCATGCTATCAGGTGGGTGTGGGTGATAACCGTTT  
TTCACCACGGCCGACGATCGTTTAGTAGTTGGTGCCCAATCATTTTAATTACTTGG  
TTGGTCAAATGAATTGAAGATAGCAGCAGTAGCTAGCGTCCGGCCGTAGCGCTAG  
CCTTGGATTGCTCACATCACATCAGGACCACGTGCATCCGCTGACCTTGTGCTTGG  
CTTTTCCTCCTTCCCAGATACGGTGCCTTAAGAGCAACCACCCGGCCTGCTCCGGC  
GTGCCGACGAGCGGTGATCATCACCGACATGAACTACTACCCGGTTGCCAAGTACC  
ACTTCGACCTGAGCGGCACGGCGTTCGGCGCCATGGCGAGCTGGGGCCTCAACG  
ACAAGCTCCGGCACGCCGGGATCATCGACATGCAGTTCAGGAGGGTGCCGTGCA  
ACTTCCCGGGCCTGACCATCACCTTCCGCGTGCAGCACGGGTCCAACCCCATGTA  
CCTCGCCGTGCTCATCGAGCACGAGAACCAGGACGGCGACGTGGTGCAGGCGGA  
CATCATGCAGAACAACTCCGGCTACTGGGAGCCCATGCACGAGTCCTGGGGATCC  
ATCTGGAGGATCGACCCCAACCGCCCCTCAGGGGGCCCCTTCTCCATCCGCATCA  
CCAACGAGTCCGGCAAGCAGCTGGTGGCCAAGAACATTATCCCGGCCAACTATGT  
CGCCGACGTCGATTACCGCTCCTACGTCCAGTATACTAGCTAATTGACCGACCAC  
TGCACACGGTCGATCTTAATTAAGTGTCTTTTGTTTAGTGGCTCTGCCGTTATGG  
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TGTCTGAAGATGCGTGGGAAATTAGAGGAGGCAAGCATCAATGTGCTCTCCCGC  
CCACACTGTCACTCTACCATTACCAGAGTGTGTAACCAGCAAATCATGGTTATAT  
ATAATTTATACTACTATATGGAGTATCTGCTGCTATTTAAC