

## IDENTIFICATION

**Species:** *Sorghum bicolor* Rio

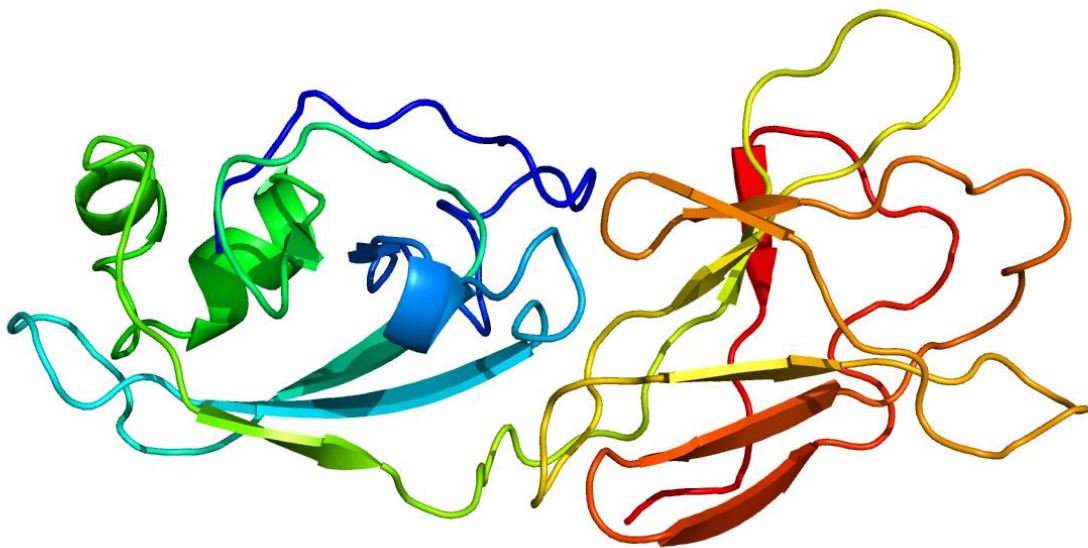
**Locus:** SbRio.01G327800

**Gene Model:** SbRio.01G327800.3.p

**Description:** SbrEXPB-16

**Family:** Beta Expansin

**3D structure:**



## GENOME DATABASES

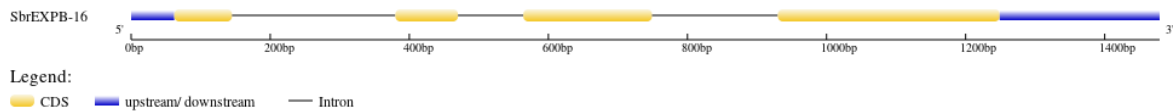
Phytozome: [https://phytozome-next.jgi.doe.gov/info/SbicolorRio\\_v2\\_1](https://phytozome-next.jgi.doe.gov/info/SbicolorRio_v2_1)

KEGG:-

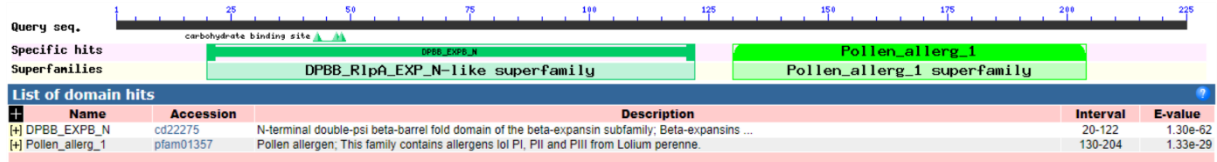
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>SbrEXPB-16

MGSLANKIVAMAAVLAALVTGGACGIKQVNLPPYNGFTACGNVPIFKDGKGCSCY  
EVRCKEMPECSGNPITVFITDMNYEPIAPYHFDFSGKAFGSLAKPGLNDKLRHCGIMN  
VEFRRVRCKLGGKIMFHVEKGSNPNYLAVLVKNVADDGNIVLMELEDKASPGFKPM  
KQSWGAVVWRFDTPKPIKGPFSIRLTSESGKQLVAPNVIPATWKPDLYNSNIQF\*

### CDS (coding sequence)

>SbrEXPB-16

ATGGGATCCCTCGCCAACAAAATCGTGGCCATGGCGGCTGTCCTTGCGGGCGCTCG  
TCACCGGCGGTGCGTGCGGAATCAAGAACGTGAACCTGCCACCCTACAATGGCTT  
CACGGCCTGCGGTAACGTCCCCATCTTCAAGGATGGCAAGGGCTGCGGCTCATGC  
TACGAGGTGAGATGCAAGGAAATGCCGGAGTGTTTCGGGCAACCCGATCACGGTG  
TTCATCACCGACATGAACTACGAGCCCATCGCTCCCTACCACTTCGACTTCAGCG  
GCAAGGCCTTCGGCTCCCTGGCAAAGCCCGGGCTCAACGACAAGCTCCGCCACTG  
CGGCATCATGAACGTGGAGTTCAGGAGGGTGCGGTGCAAGCTTGGGGGCAAGAT  
CATGTTCCACGTTGAGAAGGGGTCCAACCCCAACTACCTGGCCGTGCTGGTCAAG  
AACGTGGCGGACGACGGCAACATCGTGCTCATGGAACCTCGAGGACAAGGCGTCG  
CCGGGGTTCAAGCCGATGAAGCAATCCTGGGGCGCCGTGTGGAGGTTTGACACA  
CCCAAGCCGATCAAGGGCCCCTTCTCCATCCGCTCACCAGCGAGTCCGGCAAGA  
AGCTCGTCGCCCCAACGTCATCCCGGCGACCTGGAAGCCCGACACCCTTACAA  
CTCCAACATCCAGTTCTAA

### Nucleotide

>SbrEXPB-16

TCACAAACACACAGAGCGACATTCGTTGAATATCACAGTTGAGCGCAAAGAAGA  
CACCCGCGATGGGATCCCTCGCCAACAAAATCGTGGCCATGGCGGCTGTCCTTGC  
GGCGCTCGTCACCGGCGGCTCGTGCGCGCCCAAGAAGTCCCGCCTGGCCCCAAC  
ATCACAACCAACTACAACGGCCAGTGGCTCTCTGCCAGGGCCACCTGGTACGGCC  
AGCCCAACGGCGCCGGCCCTGACGACAACGGTATGTAAAGTAGTAGGTTAGGTT  
GCCTTGAGATTGGGAATTTTAATTTGGCTGGCAGCCGGTCAGCCGATCGATCGAT

CGATCATGCATGCATGTGTTAATATGATGCAGGCGGTGCGTGCGGAATCAAGAAC  
GTGAACCTGCCACCCTACAATGGCTTCACGGCCTGCGGTAACGTCCCCATCTTCA  
AGGATGGCAAGGGCTGCGGCTCATGCTACGAGGTATGTACATTATATATATAGCA  
ACCAAACCAACAACACATGCATGAGAGAGAGAGAGATCATCTCGCTACGTG  
ATCTTACATATATGCAGGTGAGATGCAAGGAAATGCCGGAGTGTTCTGGGCAACCC  
GATCACGGTGTTTCATCACCGACATGAACTACGAGCCCATCGCTCCCTACCACTTC  
GACTTCAGCGGCAAGGCCTTCGGCTCCCTGGCAAAGCCCGGGCTCAACGACAAG  
CTCCGCCACTGCGGCATCATGAACGTGGAGTTCAGGAGGTAAATGCATATATTTT  
CATGCATGCTATATTGCTGGCCAAGACGACGACGATCTCAGAAACACAATATATA  
GCTTCTCCATGATCGATCGATCTGTGTGTATATTTCAATATGCCATGCATGCACAT  
GATGAAACAGGCAGCAAACTTATTACACGCTGTCCCGTCGTCCTACATGCAGGG  
TGCGGTGCAAGCTTGGGGGCAAGATCATGTTCCACGTTGAGAAGGGGTCCAACCC  
CAACTACCTGGCCGTGCTGGTCAAGAACGTGGCGGACGACGGCAACATCGTGCTC  
ATGGAACTCGAGGACAAGGCGTCGCCGGGGTTCAAGCCGATGAAGCAATCCTGG  
GGCGCCGTGTGGAGGTTTGACACACCCAAGCCGATCAAGGGCCCCTTCTCCATCC  
GCCTCACCAGCGAGTCCGGCAAGAAGCTCGTCGCCCCAAACGTCATCCCGGCGAC  
CTGGAAGCCCGACACCCTCTACAACCTCCAACATCCAGTTCTAATAGACTTTGCAT  
GCCCTTCATCCGGCCTCTTATGTTTATTTGCATGAGAGAATGCACCGCTAATAAAT  
AGTAGTACTGAGTCTTCTGCATTCTAGCTAGTATGTGATCCCTGTTGTTGTTCTGGG  
CTCATGATCGAATTCCAAACAGTGGAAAATAAAAAGGTTGAATATATGTATCGTC  
ATTCATGGATACTTGAAATGTGCTATTCTTCTAAACTTCAAACAGTTCCAA