

## IDENTIFICATION

**Species:** *Sorghum bicolor* Rio

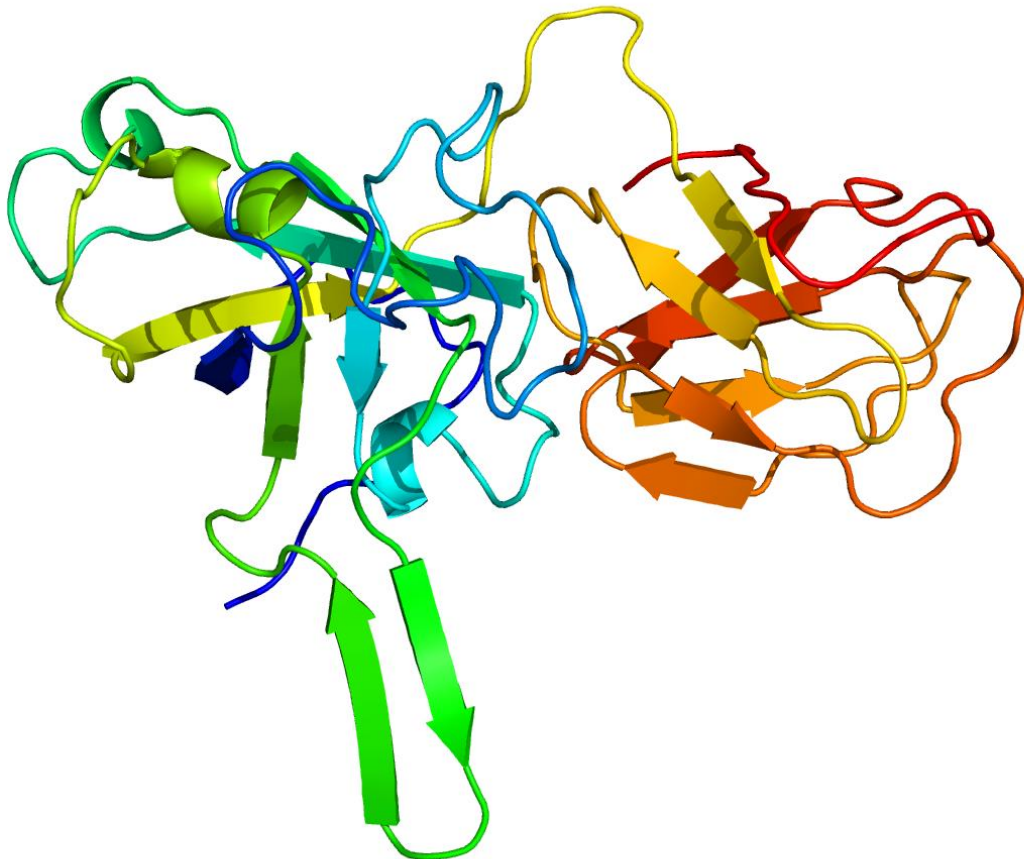
**Locus:** SbRio.10G253500

**Gene Model:** SbRio.10G253500.1.p

**Description:** SbrEXPA-31

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

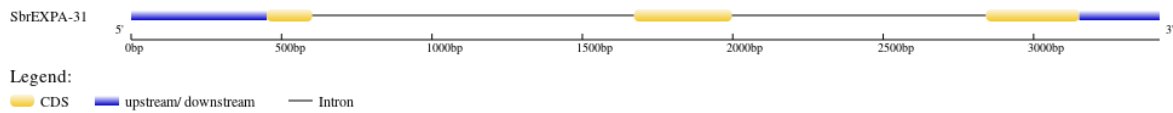
Phytozome: [https://phytozome-next.jgi.doe.gov/info/SbicolorRio\\_v2\\_1](https://phytozome-next.jgi.doe.gov/info/SbicolorRio_v2_1)

KEGG:-

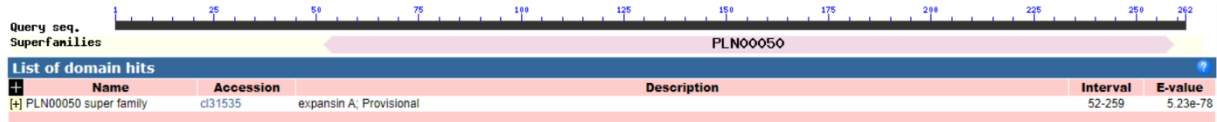
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>SbrEXPA-31

MVSSLPLFLLLLLSAASFGDGVRLGNGGYEDWRLGTATYVKESQSHPLNDGGGACG  
YGDLDIFRYGRYTAGLSAALFGRGSACGGCYELRCVNHIQWCLRGSPTVVVTATDFC  
PANMGVADEVAGGWCFPREHLELSEAAFLRVAKAKADIVPVQFRRVSCDRAGGM  
RFTITGSAHFLQVLITNVAADGEVTA VKVKSRTGWIPMGRNWGQNWQCDADLRG  
QPLSFEVTGGRGRTVTAYSVAPADWMFAQTFEGKQFAE\*

### CDS (coding sequence)

>SbrEXPA-31

ATGGTGAGCTCGCTGCCTCTGTTCTTGCTGCTGCTGCTATCTGCAGCCAGCTTCGG  
CGACGGCGTGAGGCTCGGCAATGGCGGCTACGAGGACTGGAGGCTCGGCACCGC  
CACCTACGTCAAGGAGTCCCAGTCGCACCCTCTCAACGACGGTGGTGGCGCCTGC  
GGTTACGGCGACCTGGACATCTTCAGGTACGGCCGGTACACGGCGGGGCTGAGC  
GCGGCGCTGTTTCGGCCGCGGCAGCGCCTGCGGCGGCTGCTACGAGCTCCGGTGC  
TCAACCACATCCAGTGGTGCCTCCGGGGCAGCCCCACGGTGGTGGTGACGGCCAC  
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AACTTCCCGCGGGAGCACCTCGAGCTGTCGGAGGCCGCCTTCCCTCCGCGTCGCCA  
AGGCCAAGGCCGACATCGTGCCCGTGCAGTTCGGAGGGTGAGCTGCGACAGGG  
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CACCAACGTGGCGGCGGACGGCGAGGTGACGGCCGTGAAGGTGAAAGGGTCGAG  
GACGGGGTGGATCCCGATGGGACGGAAGTGGGGCCAGAAGTGGCAGTGCGACGC  
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### Nucleotide

>SbrEXPA-31

AAAGACATTCTCTCGTCTCGAGTCCTCTGCGGCTCTGCTCCCCGTCTTCTCCCTCC  
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