

## IDENTIFICATION

**Species:** *Sorghum bicolor* Rio

**Locus:** SbRio.01G252700

**Gene Model:** SbRio.01G252700.1.p

**Description:** SbrEXPA-05

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

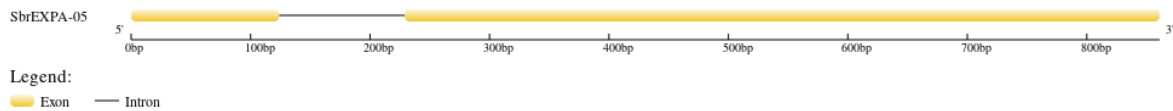
Phytozome: [https://phytozome-next.jgi.doe.gov/info/SbicolorRio\\_v2\\_1](https://phytozome-next.jgi.doe.gov/info/SbicolorRio_v2_1)

KEGG:-

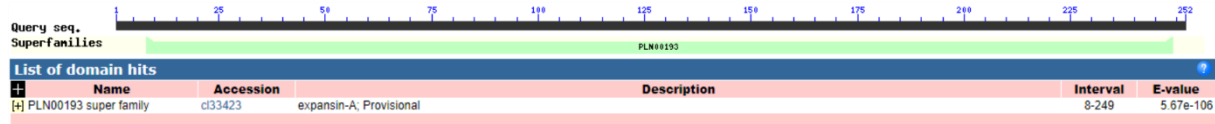
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>SbrEXPA-05

MKINKSLVLCLSFSACLALAAAGWSPGTATFYGGADGSGTMGGACGYDNLNAGY  
GVNNAALSSTLFNDGASCGQCYLITCDASRPGGQWCKPGNSITVSATNLCPANYALP  
NGGWCGPGRPHFDMSQPAWERIGIYSAGVIPVLYQQVKCSRTGGVRFGIAGSQYFLL  
VNIQNLGSGSVGAAWVKGDRTGWIQMSRNWGANWQALAGLVGQGLSFAVTTTG  
GQYIQFVNVPVPRWWQFGQTYTTTQNFYY\*

### CDS (coding sequence)

>SbrEXPA-05

ATGAAAATCAACAAGTCCCTAGTTTTGTGCCTATCCTTCTCGGCGTGCCTAGCCCT  
CGCCGCCGCAGGCTGGTCTCCCGGCACCGCCACGTTCTACGGCGGAGCCGACGGC  
TCTGGCACCATGGGTGGTGCCTGCGGGTACGACAACCTGTACAACGCCGGGTACG  
GCGTGAACAATGCGGCGCTGAGCTCGACGCTGTTCAACGACGGCGCGTCTGCG  
GGCAGTGCTACCTCATCACCTGCGACGCGTCCGGGCGGGCAGTGGTGCAA  
GCCGGGCAACTCCATCACGGTGTCCGCCACCAACCTGTGCCCGGCCAACTACGCG  
CTCCCAACGGCGGGTGGTGCGGCCCGGGCGCCCCACTTCGACATGTCGCAGC  
CGGCGTGGGAGCGCATCGGCATCTACAGCGCCGGCGTCATCCCGGTCCTGTACCA  
GCAGGTCAAGTGCTCGCGCACCGGCGGCGTGCCTTCGGCATCGCCGGCTCCCAG  
TATTCCTGCTCGTCAACATCCAGAACCTCGGAGGCAGTGGCTCCGTGGGCGCCG  
CCTGGGTGAAGGGCGACAGGACGGGGTGGATCCAGATGTCCAGGAACTGGGGCG  
CCAACCTGGCAGGCGCTCGCCGGGCTCGTCCGGCCAGGGGCTCAGCTTCGCCGTTAC  
CACTACCGGCGGGCAGTACATTCAGTTCTGGAACGTGGTGCCTAGGTGGTGGCAG  
TTCGGACAGACCTACACCACAACCCAGAATTTCTACTACTAA

### Nucleotide

>SbrEXPA-05

ATGAAAATCAACAAGTCCCTAGTTTTGTGCCTATCCTTCTCGGCGTGCCTAGCCCT  
CGCCGCCGCAGGCTGGTCTCCCGGCACCGCCACGTTCTACGGCGGAGCCGACGGC  
TCTGGCACCATGGGTAAGCAAGCAGCTCTTAATAATTACACACACATTGCATCCA  
TTTTTGCGAAGAGCTACGCACATTTTGCTAACTGCGCGCCCATGCACTTATTGCC  
AATGCAGGTGGTGCCTGCGGGTACGACAACCTGTACAACGCCGGGTACGGCGTG  
ACAATGCGGCGCTGAGCTCGACGCTGTTCAACGACGGCGCGTCTGCGGGCAG

TGCTACCTCATCACCTGCGACGCGTCGCGTCCGGGCGGGCAGTGGTGCAAGCCGG  
GCAACTCCATCACGGTGTCCGCCACCAACCTGTGCCCGGCCAACTACGCGCTCCC  
CAACGGCGGGTGGTGCGGCCCGGGGCGCCCCACTTCGACATGTCGCAGCCGGC  
GTGGGAGCGCATCGGCATCTACAGCGCCGGCGTCATCCCGGTCCCTGTACCAGCAG  
GTCAAGTGCTCGCGCACCGGCGGGCGTGCCTTCGGCATCGCCGGCTCCCAGTATT  
TCCTGCTCGTCAACATCCAGAACCTCGGAGGCAGTGGCTCCGTGGGCGCCGCCTG  
GGTGAAGGGCGACAGGACGGGGTGGATCCAGATGTCCAGGAACTGGGGCGCCAA  
CTGGCAGGCGCTCGCCGGGCTCGTCGGCCAGGGGCTCAGCTTCGCCGTTACCACT  
ACCGGCGGGCAGTACATTCAGTTCTGGAACGTGGTGCCTAGGTGGTGGCAGTTCG  
GACAGACCTACACCACAACCCAGAATTTCTACTACTAA