

## IDENTIFICATION

**Species:** *Sorghum bicolor* Rio

**Locus:** SbRio.01G533600

**Gene Model:** SbRio.01G533600.1.p

**Description:** SbrEXPA-10

**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:-

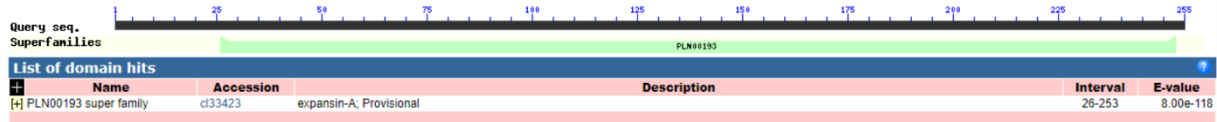
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>SbrEXPA-10

MARKVDLCRLLVAAVAACLAATTVRAGWQRGSATFYGGANAAGTMGGACGYGN  
LYSAGYGTDTAALSLAMFNNGAACGECYQVKCDQQNSRWCKPGVTVTATNLCP  
ADYSQPSNDGGWCNPPRQHFDMSQPSWEKIGVYSSGGIVPVFYQRVSCSRTGGVRFTI  
NGNRYFKLVLFNVAGPGSISAVQIKGSSTGWITMSRNWGANWQANSIDLTRQISIFR  
VTATNGRFLEFYNVAGSNWQLGQTFNGQNFY\*

### CDS (coding sequence)

>SbrEXPA-10

ATGGCGCGCAAGGTCGACCTGTGCCGCTGCTCGTGGCTGCCGTAGCAGCCTGCC  
TCGCCGCGACGACGGTCCGGGCCGGGTGGCAGAGAGGCTCGGCGACGTTCTACG  
GCGGGGCCAACGCCGCCGGCACAATGGGTGGCGCGTGCGGGTATGGCAACCTGT  
ACTCGGGCGGGGTACGGCACGGACACGGCGGGCGCTGAGCTTGGCGATGTTCAACG  
GCGGCGCGGCGTGCGGGGAGTGCTACCAGGTGAAGTGCGACCAGCAGAACAGCC  
GGTGGTGCAAGCCGGGCGTGACGGTGACCGTCACCGCCACCAACCTGTGCCCGG  
CCGACTACTCCCAGCCCAGCAACGACGGCGGGTGGTGCAACCCGCCGCGGCAGC  
ACTTCGACATGTCCCAGCCGTCGTGGGAGAAGATCGGCGTCTACAGCGGCGGCAT  
CGTCCCGGTCTTCTACCAGAGGGTGTCTGCTCCAGGACCGGCGGCGTGCCTTC  
ACCATCAACGGCAACAGGTACTTCAAGCTCGTGCTCATCTTCAACGTCGCCGGGC  
CGGGTCCATCAGCGCGGTGCAGATCAAGGGCTCGTCCACGGGGTGGATACCA  
TGTCGGAACTGGGGCGCCAACTGGCAGGCCAACAGCGACCTCACCAGGCAGA  
GCATCTCCTTCCGTGTCACCGCCACCAACGGCAGGTTCTCGAGTTCTACAACGTC  
GCCGGATCCAACCTGGCAGCTGGGCCAGACCTTACCAACGGCCAAAATTTCTACT  
AG

### Nucleotide

>SbrEXPA-10

ACTCATCACCTCCACTGCGGGCACGTTGCATCGTCCAGCTCGCTCACTCCCCACT  
ATCCATTGTCAACTGATCGACATGGCGCGCAAGGTCGACCTGTGCCGCCTGCTCG  
TGGCTGCCGTAGCAGCCTGCCTCGCCGCGACGACGGTCCGGGCCGGGTGGCAGA  
GAGGCTCGGCGACGTTCTACGGCGGGGCCAACGCCGCCGCGCACAAATGGGTGAGT  
GATCGATCAATGCAAGACCCTTAGCTTTTCGGTTGCAGTGCGTATATATATATA

GTGAATGCACAGCTGAACAGCTAGCATTGCGACGTACAGGTGGCGCGTGCGGGT  
ATGGCAACCTGTACTCGGCGGGGTACGGCACGGACACGGCGGGCGCTGAGCTTGG  
CGATGTTCAACGGCGGGCGGGCGTGCGGGGAGTGCTACCAGGTGAAGTGCGACC  
AGCAGAACAGCCGGTGGTGCAAGCCGGGCGTGACGGTGACCGTCACCGCCACCA  
ACCTGTGCCC GGCCGACTACTCCCAGCCCAGCAACGACGGCGGGTGGTGCAACCC  
GCCGCGGCAGCACTTCGACATGTCCCAGCCGTCGTGGGAGAAGATCGGGCGTCTAC  
AGCGGCGGCATCGTCCC GGTCCTTCTACCAGAGGGTGTCTTGCTCCAGGACCGGGC  
GCGTGCGCTTCACCATCAACGGCAACAGGTA CTTCAAGCTCGTGCTCATCTTCAA  
CGTCGCCGGGCCGGGGTCCATCAGCGCGGTGCAGATCAAGGGCTCGTCCACGGG  
GTGGATCACCATGTCCC GGA ACTGGGGCGCCAACTGGCAGGCCAACAGCGACCT  
CACCAGGCAGAGCATCTCCTTCCGTGTACCGCCACCAACGGCAGGTTCTCTGAG  
TTCTACAACGTCGCCGGATCCA ACTGGCAGCTGGGCCAGACCTTCACCAACGGCC  
AAAATTTCTACTAGCGGCGGCCATGCCGGTGGCAGCGCCATGCATGCCGGCCG  
GCTTTCTGCTCGTCGCGCGATGATTTTCACTTCATTTTGCATCATCTGGAACTT  
GTC