

IDENTIFICATION

Species: *Sorghum bicolor* Rio

Locus: SbRio.10G345700

Gene Model: SbRio.10G345700.1.p

Description: SbrEXPA-32

Family: Alpha Expansin

3D structure:



GENOME DATABASES

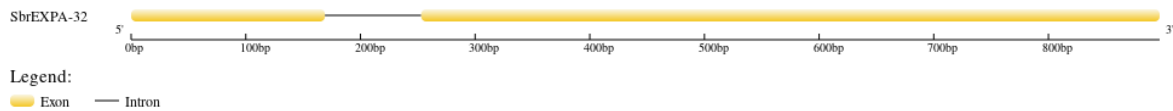
Phytozome: https://phytozome-next.jgi.doe.gov/info/SbicolorRio_v2_1

KEGG:-

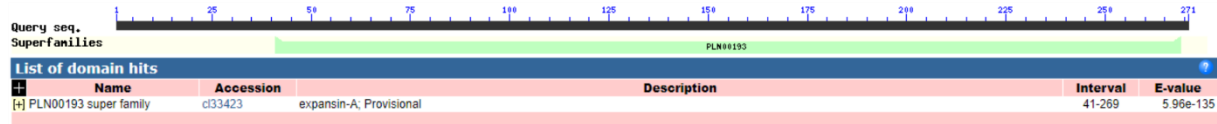
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SbrEXPA-32

MARGYAYGYSHIQTAAAALLVGWALAAALPAAAFAPSAWSKGSATFYGGSDASGT
MGGACGYGNLYAQGYGTRTAALSTALFNDGASCGQCYRLVCDASTDPRWCRRGGR
GASVTVTATNFCPPNYALASNGGGWCNPPRQHFDMAQPAWERIGVYQGGIVPVLFR
RVPCRRRGGVRFVTVSGRDYFELVLTNVAGAGAVRAMDVRGTSSAGWMPMSRNW
GANWQSLAYLNGQGLSFRVTADDGQTVVFADVPPSWTFGQTYASRLQFK*

CDS (coding sequence)

>SbrEXPA-32

ATGGCGCGCGGTTACGCTTACGGTTACAGCCACATACAGACCGCCGCAGCCGCGC
TGCTGGTCGGCTGGGCGCTGGCCGCCGCTTGCCGGCCGCGGCGTTTCGCGCCGTC
CGCCTGGAGCAAGGGCAGCGCCACGTTCTACGGCGGCAGCGACGCGTCCGGCAC
CATGGGCGGCGCGTGC GGTTACGGGAACCTGTACGCGCAGGGGTACGGGACGCG
GACGGCGGCGCTAAGCACGGCGCTGTTCAACGATGGCGCGTTCGTGCGGGCAGTG
CTACAGGCTGGTCTGCGACGCGTCCACGGACCCGCGGTGGTGCCGCCGCGGTGGC
CGGGGCGCGTCGGTGACCGTCACGGCGACCAACTTCTGCCGCCCAACTACGCGC
TCGCTCCAACGGCGGGCGGGTGGTGCAACCCGCCGCGGCAGCACTTCGACATGGC
GCAGCCGGCGTGGGAGCGGATCGGCGTCTACCAGGGCGGGATCGTGCCGGTGCT
GTTCCGCCGCGTGCCCTGCAGGCGCCGCGGGCGGGTCCGGTTCACGGTCAGCGGC
AGGGACTACTTCGAGCTCGTGCTCGTCACCAACGTGGCCGGCGCCGGCGCCGTGC
GCGCCATGGACGTCAGGGGCACCAGCTCCGCCGGATGGATGCCCATGTCCAGGA
ACTGGGGCGCCA ACTGGCAGTCCCTGGCGTACCTCAACGGGCAGGGGCTCTCGTT
CCGGGTCACCGCCGACGATGGGCAGACCGTTCGTGTTCCGCCGACGTCGTGCCGCCG
TCGTGGACGTTCCGGGCAGACGTACGCGAGCAGGCTGCAGTTCAAGTAG

Nucleotide

>SbrEXPA-32

ATGGCGCGCGGTTACGCTTACGGTTACAGCCACATACAGACCGCCGCAGCCGCGC
TGCTGGTCGGCTGGGCGCTGGCCGCCGCTTGCCGGCCGCGGCGTTTCGCGCCGTC
CGCCTGGAGCAAGGGCAGCGCCACGTTCTACGGCGGCAGCGACGCGTCCGGCAC
CATGGGTACGTTTTTATAAATGTAATGTA AAAGGCAGGCTCCATCTCTTTGACGA
CTGACGCACACGCACCGCCGAATAATGCACGCAGGCGGCGCGTGC GGTTACGGG

AACCTGTACGCGCAGGGGTACGGGACGCGGACGGCGGGCGCTAAGCACGGCGCTG
TTCAACGATGGCGCGTCGTGCGGGCAGTGCTACAGGCTGGTCTGCGACGCGTCCA
CGGACCCGCGGTGGTGCCGCCGCGGTGGCCGGGGCGCGTCGGTGACCGTCACGG
CGACCAACTTCTGCCCCGCCAACTACGCGCTCGCCTCCAACGGCGGGCGGGTGGTG
CAACCCGCCGCGGCAGCACTTCGACATGGCGCAGCCGGCGTGGGAGCGGATCGG
CGTCTACCAGGGCGGGATCGTGCCGGTGCTGTTCCGCCGCGTGCCCTGCAGGCGC
CGCGGCGGGGTCCGGTTCACGGTCAGCGGCAGGGACTACTTCGAGCTCGTGCTCG
TCACCAACGTGGCCGGCGCCGGCGCCGTGCGCGCCATGGACGTCAGGGGCACCA
GCTCCGCCGGATGGATGCCCATGTCCAGGAACTGGGGCGCCAACTGGCAGTCCCT
GGCGTACCTCAACGGGCAGGGGCTCTCGTTCGGGGTCACCGCCGACGATGGGCA
GACCGTCGTGTTCCGCCGACGTCGTGCCGCCGTCGTGGACGTTCCGGGCAGACGTAC
GCGAGCAGGCTGCAGTTCAAGTAG