

IDENTIFICATION

Species: *Sorghum bicolor* Rio

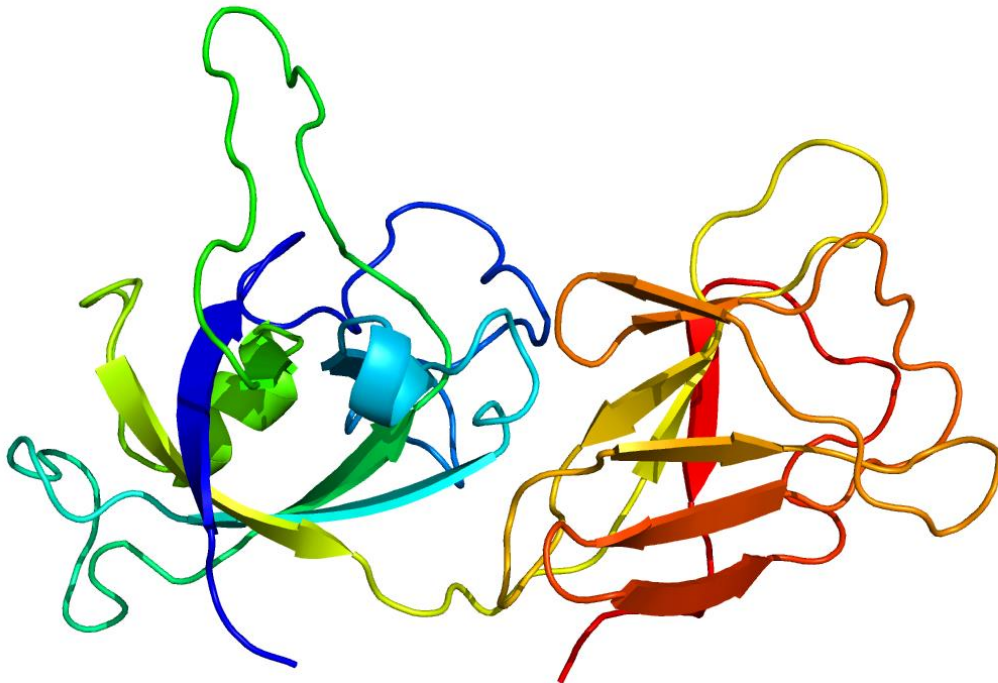
Locus: SbRio.01G252500

Gene Model: SbRio.01G252500.1.p

Description: SbrEXPA-03

Family: Alpha Expansin

3D structure:



GENOME DATABASES

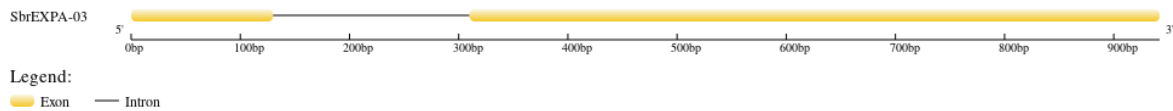
Phytozome: https://phytozome-next.jgi.doe.gov/info/SbicolorRio_v2_1

KEGG:-

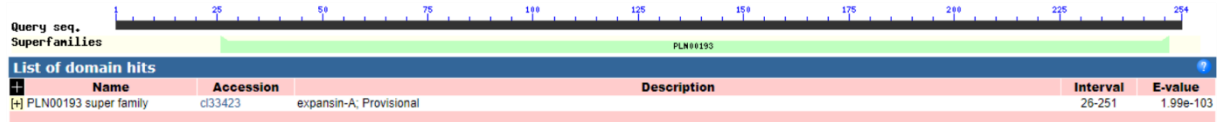
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SbrEXPA-03

MSTEMAKSLTLLTALAACLALAAADWSQGTATFYGGPDGSGTMGGACGYENLYNAGYGVNNAALSPVLFNDGASCGQCYVIICDASRPGGQYCKPGTWITVTATNLCPSNYALPNGGWCGPGRPHFDMSQPAWEKIGIYSGGIIPVQYQQVKCWRNNGGVRFSIAGNYFFLLVNIQNLAGSGSVAAAWVKGDKTGWIQMSRNWGANWQAHAGLVGQGLSFAVTS TGGHYIQFLNVVPGWWQFGMTFNTNQNFYY*

CDS (coding sequence)

>SbrEXPA-03

ATGTCCACAGAAATGGCCAAGTCCCTGACGTTGCTCACAGCGCTCGCGGCGTGCC TCGCGCTTGCCGCCGCGACTGGTCTCAGGGCACCGCCACGTTCTACGGTGGACC CGACGGCTCCGGCACGATGGGAGGCGCATGCGGCTACGAGAACCTATAACAACGC CGGGTACGGCGTGAACAACGCAGCGCTGAGCCCCGGTGCTGTTCAACGACGGGCGC GTCGTGCGGGCAGTGCTACGTCATCATCTGCGACGCATCCCGTCCGGGCGGGCAG TACTGCAAGCCCGGCACCTGGATCACCGTGACGGCCACGAACCTATGCCCATCCA ACTACGCGCTGCCAACGGCGGGTGGTGCGGCCCGGGGCGGCCTCACTTCGACAT GTCGCAGCCGGCGTGGGAGAAGATCGGCATCTACAGCGGCGGCATCATCCCGGT GCAGTACCAGCAGGTCAAGTGCTGGCGAACGGCGGCGTGCGCTTCAGCATCGC CGGCAACTATTACTTCCTGCTCGTCAATATCCAGAACCTCGCCGGCAGCGGCTCT GTGGCCGCCGCTGGGTCAAGGGCGATAAGACGGGGTGGATCCAGATGTCCAGG AACTGGGGCGCCAACTGGCAGGCGCACGCCGGGCTCGTTCGGCCAGGGGCTTAGC TTCGCCGTGACAAGCACAGGAGGGCACTACATCCAGTTCCTCAACGTCGTGCCCG GATGGTGGCAGTTCGGCATGACCTTCAACACAAACCAGAATTTTACTACTAA

Nucleotide

>SbrEXPA-03

ATGTCCACAGAAATGGCCAAGTCCCTGACGTTGCTCACAGCGCTCGCGGCGTGCC TCGCGCTTGCCGCCGCGACTGGTCTCAGGGCACCGCCACGTTCTACGGTGGACC CGACGGCTCCGGCACGATGGGTACGTAATTTTTTCGCACGTACACATGCATGCAT GCATTTTCGGTACATATATCTGCTAATAATCCATGCATGCATGCATGTTTCGGTACA TGTTGAGACAAATTAATTAATGTATACGTATATATGCTAAAATAATAATCCATG CATATGCATGTTTCGTATTCGTATACATATTGCAGGAGGCGCATGCGGCTACGAGA

ACCTATAACAACGCCGGGTACGGCGTGAACAACGCAGCGCTGAGCCCAGGTGCTGTT
CAACGACGGCGCGTCGTGCGGGCAGTGCTACGTCATCATCTGCGACGCATCCCGT
CCGGGCGGGCAGTACTGCAAGCCCGGCACCTGGATCACCGTGACGGCCACGAAC
CTATGCCCATCCAACACTACGCGCTGCCAACGGCGGGTGGTGC GGCCCCGGGGCGGC
CTCACTTCGACATGTCGCAGCCGGCGTGGGAGAAGATCGGCATCTACAGCGGCG
GCATCATCCCGGTGCAGTACCAGCAGGTCAAGTGCTGGCGCAACGGCGGGCGTGC
GCTTCAGCATCGCCGGCAACTATTACTTCCTGCTCGTCAATATCCAGAACCTCGCC
GGCAGCGGCTCTGTGGCCGCCGCCTGGGTCAAGGGCGATAAAGACGGGGTGGATC
CAGATGTCCAGGAACTGGGGCGCCAACCTGGCAGGCGCACGCCGGGCTCGTCGGC
CAGGGGCTTAGCTTCGCCGTGACAAGCACAGGAGGGCACTACATCCAGTTCCTCA
ACGTCGTGCCCGGATGGTGGCAGTTCGGCATGACCTTCAACACAAACCAGAATTT
TTACTACTAA