IDENTIFICATION

Species: *Sorghum bicolor Rio*

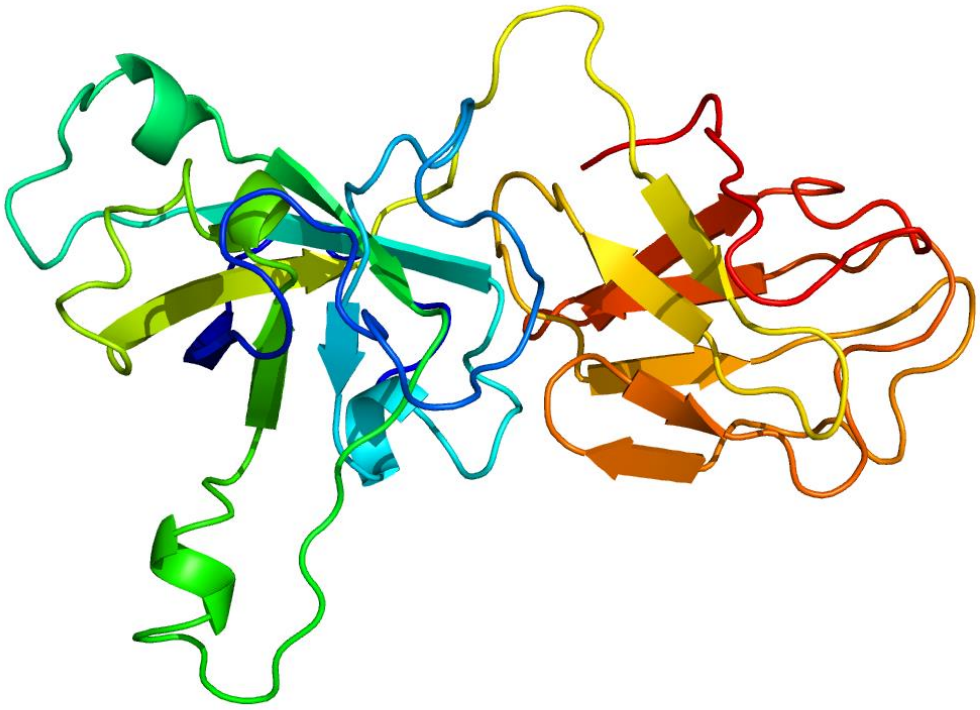
Locus: SbRio.04G128200

Gene Model: SbRio.04G128200.1.p

Description: SbrEXPA-16

Family: Alpha Expansin

3D structure:



GENOME DATABASES

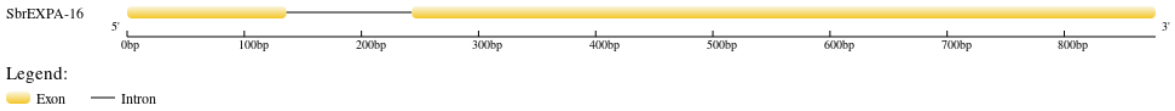
Phytozome: https://phytozome-next.jgi.doe.gov/info/SbicolorRio_v2_1

KEGG:-

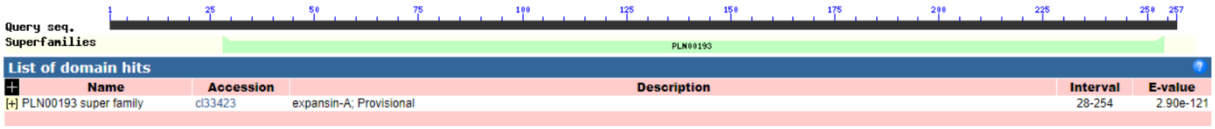
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SbrEXPA-16

MAGPAYARAALALALAVAAAAADAQTEWLRGHATFYGGADASGTMGGACGYGD
LFAQGYGTRTTALSTALFSGGASCGQCYKLVCDRKTDATWCKPGVSVTVTATNFCP
PNWKLPDGGWCNAVRAHFDMAQPAWEKIGVFSGGIIPVIYRRVSCVRKGGVRFTVN
GHDYFNLVLLTNVAGPGSIRAMDVRSSKPPVDWMHMARNWGANWHSLRYLTGQG
LSFRVTVTDGQTIVFADVVPPKWRFGQSFASKLQFKL*

CDS (coding sequence)

>SbrEXPA-16

ATGGCTGGACCTGCTTACGCCCGCGCGGCGCTCGCGCTCGCGCTCGCCGTGGCCG
CCGCCGCGGCCGACGCGCAGACGGAGTGGCTCAGGGGGCATGCCACGTTCTACG
GCGGCGCGGACGCCTCCGGCACCATGGGGGGCGCGTGCGGGTACGGCGACCTGT
TCGCGCAGGGGTACGGCACGCGGACGACGGCGCTGAGCACGGCGCTCTTCTCCG
GCGGGGCCTCGTGCGGGCAGTGCTACAAGCTGGTGTGCGACAGGAAGACGGACG
CGACGTGGTGCAAGCCGGGGGTGTCCGTCACCGTCACCGCCACCAACTTCTGCCC
GCCCAACTGGAAGCTCCCCGACGGCGGGTGGTGCAACGCGGTGCGCGCCCACTTC
GACATGGCGCAGCCGGCGTGGGAGAAGATCGGCGTCTTCAGCGGCGGCATCATC
CCCGTCATCTACAGGAGGGTCTCCTGCGTCAGGAAGGGCGGGGTGCGCTTCACCG
TCAACGGCCACGACTACTTCAACCTCGTCCTGCTCACCAACGTCGCCGGCCCGGG
ATCCATCAGGGCCATGGACGTCAGGAGCTCGAAACCGCCGGTGGACTGGATGCA
CATGGCGCGCAACTGGGGCGCCAACTGGCACTCCCTCAGATACCTCACCGGCCAG
GGGCTGTCGTTCAGGGTCACCGTCACAGACGGCCAGACCATCGTCTTCGCCGACG
TCGTGCCGCCCAAGTGGAGGTTCGGCCAGTCCTTCGCCAGCAAGCTGCAGTTCAA
GCTGTGA

Nucleotide

>SbrEXPA-16

ATGGCTGGACCTGCTTACGCCCGCGCGGCGCTCGCGCTCGCGCTCGCCGTGGCCG
CCGCCGCGGCCGACGCGCAGACGGAGTGGCTCAGGGGGCATGCCACGTTCTACG
GCGGCGCGGACGCCTCCGGCACCATGGGTAAGCTAAGCTAAGCCAAGCAGCCTG
CAGCCAGCCTCTTATTAATAACTGCACGCGAGCTGACGATCGACGACCGGCGGCA
TCACTGCCAATGCATGCATGAGCAGGGGGCGCGTGCGGGTACGGCGACCTGTTCG

CGCAGGGGTACGGCACGCGGACGACGGCGCTGAGCACGGCGCTCTTCTCCGGCG
GGGCCTCGTGCGGGCAGTGCTACAAGCTGGTGTGCGACAGGAAGACGGACGCGA
CGTGGTGCAAGCCGGGGGTGTCCGTCACCGTCACCGCCACCAACTTCTGCCCGCC
CAACTGGAAGCTCCCCGACGGCGGGTGGTGCAACGCGGTGCGCGCCCACTTCGA
CATGGCGCAGCCGGCGTGGGAGAAGATCGGCGTCTTCAGCGGCGGCATCATCCC
CGTCATCTACAGGAGGGTCTCCTGCGTCAGGAAGGGCGGGGTGCGCTTCACCGTC
AACGGCCACGACTACTTCAACCTCGTCCTGCTCACCAACGTCGCCGGCCCGGGAT
CCATCAGGGCCATGGACGTCAGGAGCTCGAAACCGCCGGTGGACTGGATGCACA
TGGCGCGCAACTGGGGCGCCAACTGGCACTCCCTCAGATACCTCACCGGCCAGGG
GCTGTCGTTCAGGGTCACCGTCACAGACGGCCAGACCATCGTCTTCGCCGACGTC
GTGCCGCCCAAGTGGAGGTTCGGCCAGTCCTTCGCCAGCAAGCTGCAGTTCAAGC
TGTGA