

IDENTIFICATION

Species: *Sorghum bicolor* Rio

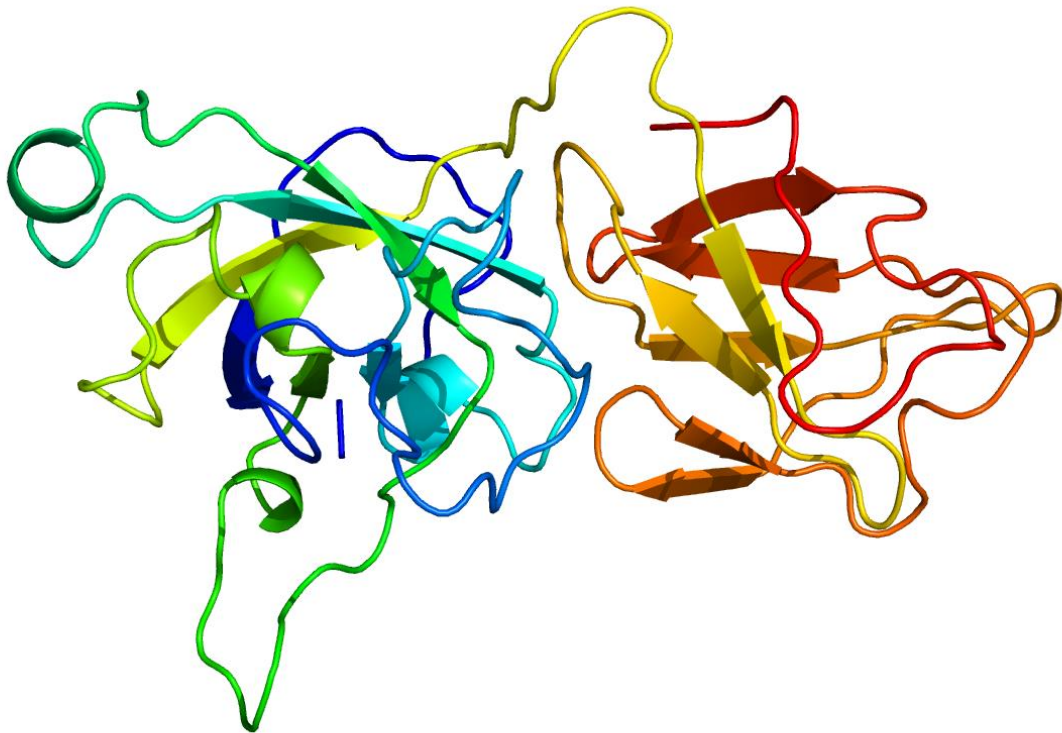
Locus: SbRio.04G128500

Gene Model: SbRio.04G128500.1.p

Description: SbrEXPA-18

Family: Alpha Expansin

3D structure:



GENOME DATABASES

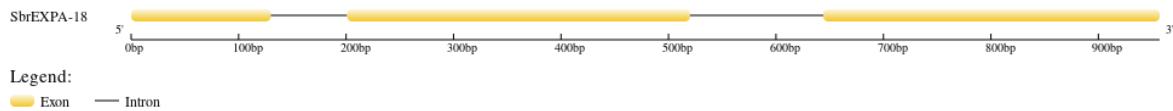
Phytozome: https://phytozome-next.jgi.doe.gov/info/SbicolorRio_v2_1

KEGG:-

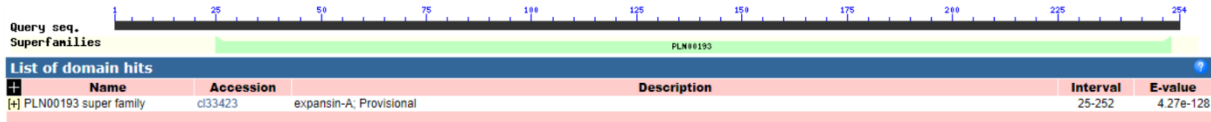
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SbrEXPA-18

MLAIMAAAGDAAATSTPSSPTPTTGWLKAHATFYGGADASDTMGGACGYGNLYSQ
GYGTRTAALSTTLFQDGASCGQCYKIACDRKRADSRFCKPGVTVTVTATNFCPPNSA
LPNGGWCNQQRPHFDMAQPAFEKIGVYTTGGIIPVMYKRVPCVKRDGVRFTINGHDY
FNLVLVTNVAGAGSIKSMDVKTSNSNSWIPMARNWGANWHS LAHLTGQMLSFRVT
DTDGQTIEFTNVVPQGWKFGQTFASKLQFK*

CDS (coding sequence)

>SbrEXPA-18

ATGCTGGCTATCATGGCCGCCGCTGGTGACGCCGCCGCCACCAGCACTCCGTCGT
CTCCGACGCCGACCACCGGATGGCTGAAGGCGCATGCCACGTTCTACGGAGGCG
CCGATGCCTCTGACACCATGGGCGGCGCGTGCGGGTACGGCAACCTCTACTCCCA
GGGCTACGGCACGCGGACAGCGGCCCTGAGCACGACTCTATTTTCAGGATGGGGC
CTCATGTGGCCAGTGCTATAAGATCGCGTGCGACCGCAAGAGAGCCGACTCCAG
GTTCTGCAAGCCCGGCGTACAGTACCGTACCGGCCACCAACTTCTGCCCGCCC
AACTCAGCGCTGCCAACGGCGGCTGGTGCAATCAGCAGCGCCCGCACTTCGACA
TGGCGCAGCCAGCATTGAAAAGATTGGCGTCTACACCGGCGGCATCATCCCCGT
CATGTACAAGAGGGTTCCTTGTGTGAAGCGAGATGGAGTGCGGTTCAACAATCAAC
GGTCACGACTACTTCAATCTCGTGCTTGTGACCAATGTTGCAGGTGCTGGCTCCAT
CAAGTCAATGGATGTCAAGACCTCCAACCTCCAATAGTTGGATACCAATGGCACGC
AACTGGGGTGCAAACCTGGCACTCTCTTGGGCACCTTACTGGACAGATGCTCTCAT
TTAGAGTAACAGATACGGATGGACAAACTATTGAATTCACAAATGTTGTGCCACA
AGGATGGAAGTTTGGCCAAACGTTTGCATCCAAGTTACAGTTCAAGTGA

Nucleotide

>SbrEXPA-18

ATGCTGGCTATCATGGCCGCCGCTGGTGACGCCGCCGCCACCAGCACTCCGTCGT
CTCCGACGCCGACCACCGGATGGCTGAAGGCGCATGCCACGTTCTACGGAGGCG
CCGATGCCTCTGACACCATGGGTTCTTGCATGGTTTGTACCTAAAGCTAGCACA
GGCAGAGCTAACTGCATCAAATTGTATTTCTTGGCAGGCGGCGCGTGCGGGTACG
GCAACCTCTACTCCCAGGGCTACGGCACGCGGACAGCGGCCCTGAGCACGACTCT
ATTTTCAGGATGGGGCCTCATGTGGCCAGTGCTATAAGATCGCGTGCGACCGCAAG

AGAGCCGACTCCAGGTTCTGCAAGCCC GGCGTCACAGTCACCGTCACGGCCACCA
ACTTCTGCCC GCCCAACTCAGCGCTGCCCAACGGCGGCTGGTGCAATCAGCAGCG
CCCGCACTTCGACATGGCGCAGCCAGCATTGAAAAGATTGGCGTCTACACCGGC
GGCATCATCCCCGTCATGTACAAGAGGTAGATTTTATGAGTAATTGCCGATTAAG
TGTGTAGTCTCTGCTGCTCTGATGACAAAATTAAGCATGATGCATGCAATATCTTA
TCTTGAGTAAAGTAAAAATATGCATGCTTTAATTTGCAGGGTTCCTTGTGTGAAG
CGAGATGGAGTGCGGTTCACAATCAACGGTCACGACTACTTCAATCTCGTGCTTG
TGACCAATGTTGCAGGTGCTGGCTCCATCAAGTCAATGGATGTCAAGACCTCCAA
CTCCAATAGTTGGATACCAATGGCACGCAACTGGGGTGCAA ACTGGCACTCTCTT
GCGCACCTTACTGGACAGATGCTCTCATTTAGAGTAACAGATACGGATGGACAAA
CTATTGAATTCACAAATGTTGTGCCACAAGGATGGAAGTTTGGCCAAACGTTTGC
ATCCAAGTTACAGTTCAAGTGA