

IDENTIFICATION

Species: *Sorghum bicolor* Rio

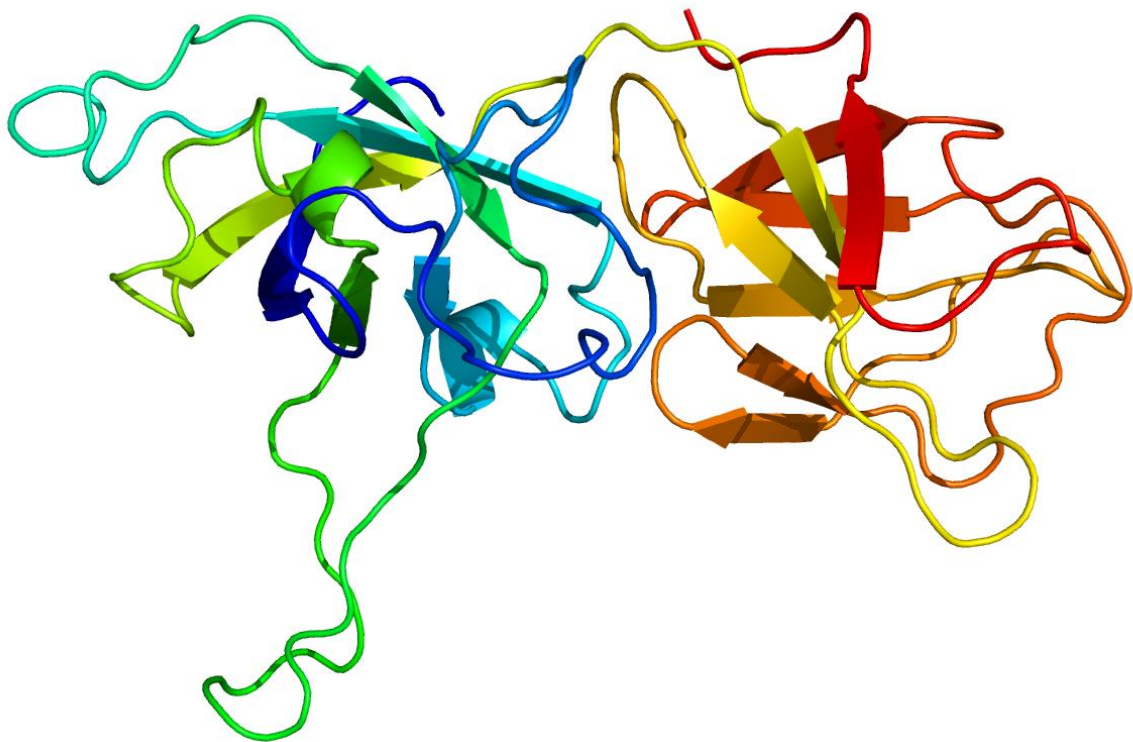
Locus: SbRio.01G533500

Gene Model: SbRio.01G533500.1.p

Description: SbrEXPA-09

Family: Alpha Expansin

3D structure:



GENOME DATABASES

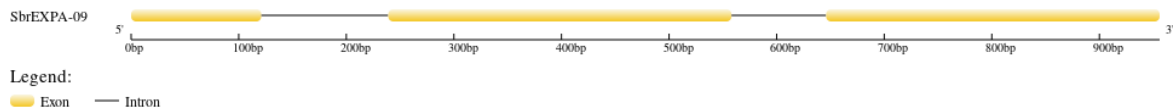
Phytozome: https://phytozome-next.jgi.doe.gov/info/SbicolorRio_v2_1

KEGG:-

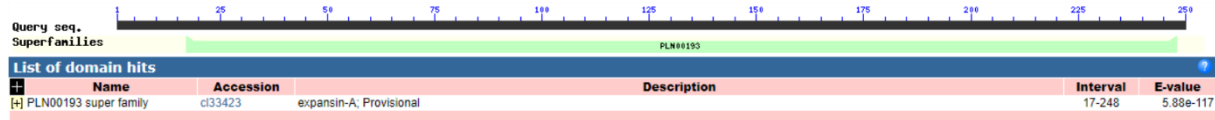
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SbrEXPA-09

MDRPLALLAVLAATSFFAPAKGWN YGTATFYGGRDGS GTMGGACGYGNLYQAGY
GTNTAALSSVLFNDGAACGQC YLVMCDSNASPWCRRGAA VTVTATNFCPPNWAQP
SNSGGWCNPPRPHFDMAQPA WERIGVYRAGIIPVLYQQVTCWRQGGIRITIGGSSFFQ
LVQFSNVAGSGSIRS VSVKGTKTGWVALNRNWGANWQCNSALFGQSL SFSVTSTGG
QTLYMTDVVPSWWQIGMAFGSN YNFY*

CDS (coding sequence)

>SbrEXPA-09

ATGGACAGACCCCTCGCATTGCTCGCCGTCCTGGCGGCGACGTCGTTCTTCGCGC
CGGCGAAGGGCTGGA ACTACGGGACGGCGACGTTCTACGGCGGCCGCGACGGCT
CCGGCACAATGGGTGGCGCGTGCGGGTATGGCAACCTGTACCAGGCCGGGTACG
GGACGAACACGGCGGCGCTGAGCTCGGTGCTGTTCAACGACGGCGCGGCGTGCG
GTCAGTGCTACCTGGTGATGTGCGACAGCAACGCGTCCCCCTGGTGCAGGCGCGG
CGCCGCGGTGACCGTCACGGCCACCAACTTCTGCCCGCCCAACTGGGCGCAGCCC
AGCAACAGCGGCGGCTGGTGCAACCCGCCGCGGCCGCACTTCGACATGGCGCAG
CCCGCCTGGGAGCGCATCGGCGTCTACAGAGCCGGCATCATCCCCGTCCTGTACC
AGCAGGTGACGTGCTGGAGGCAGGGAGGGATCAGGATCACCATCGGAGGGTCCA
GCTTCTTCCAGCTGGTGAGTTCTCCAACGTGGCCGGCAGCGGCTCCATCCGGTC
CGTGTCTGTGAAGGGGACCAAGACCGGGTGGGTGCGGCTGAACCGCAACTGGGG
CGCCA ACTGGCAGTGCAACTCGGCGCTTTCGGCCAGTCGCTCTCCTTCTCCGTCA
CCTCCACCGGCGGCCAGACGCTCTACATGACCGACGTCGTGCCGTCGTGGTGGCA
GATCGGCATGGCTTTCGGAAGCAACTATAATTTCTACTAA

Nucleotide

>SbrEXPA-09

ATGGACAGACCCCTCGCATTGCTCGCCGTCCTGGCGGCGACGTCGTTCTTCGCGC
CGGCGAAGGGCTGGA ACTACGGGACGGCGACGTTCTACGGCGGCCGCGACGGCT
CCGGCACAATGGGTAAAGTAAAAGAACTCCAAAGCCACCATAATATATATA
CATACGTTTTCCATATACGTACATTTCCCGATCGAGCTAATATATCAACCAGCAAT
TAATGTGTGAATAATAATAGGTGGCGCGTGCGGGTATGGCAACCTGTACCAGGCC
GGGTACGGGACGAACACGGCGGCGCTGAGCTCGGTGCTGTTCAACGACGGCGCG

GCGTGCGGTCAGTGCTACCTGGTGATGTGCGACAGCAACGCGTCCCCCTGGTGCA
GGCGCGGCGCCGCGGTGACCGTCACGGCCACCAACTTCTGCCCGCCCAACTGGGC
GCAGCCCAGCAACAGCGGCGGCTGGTGCAACCCGCCGCGGCCGCACTTCGACAT
GGCGCAGCCCGCCTGGGAGCGCATCGGCCGTCTACAGAGCCGGCATCATCCCCGTC
CTGTACCAGCAGTAAGAGTGCAGCGTTGCGTTGCGTTTCGTCTTGCCTTGCTTCTC
CGGTCGGTGAAC TGACTGATCGACGGCGACGGCGGTGGTGCAGGGTGACGTGCT
GGAGGCAGGGAGGGATCAGGATCACCATCGGAGGGTCCAGCTTCTTCCAGCTGG
TGCAGTTCTCCAACGTGGCCGGCAGCGGCTCCATCCGGTCCGTGTCTGTGAAGGG
GACCAAGACCGGGTGGGTCGCGCTGAACCGCAACTGGGGCGCCAACTGGCAGTG
CAACTCGGCGCTCTTCGGCCAGTCGCTCTCCTTCTCCGTCACCTCCACCGGCGGCC
AGACGCTCTACATGACCGACGTCGTGCCGTCGTGGTGGCAGATCGGCATGGCTTT
CGGAAGCAACTATAATTTCTACTAA