

IDENTIFICATION

Species: *Sorghum bicolor* Rio

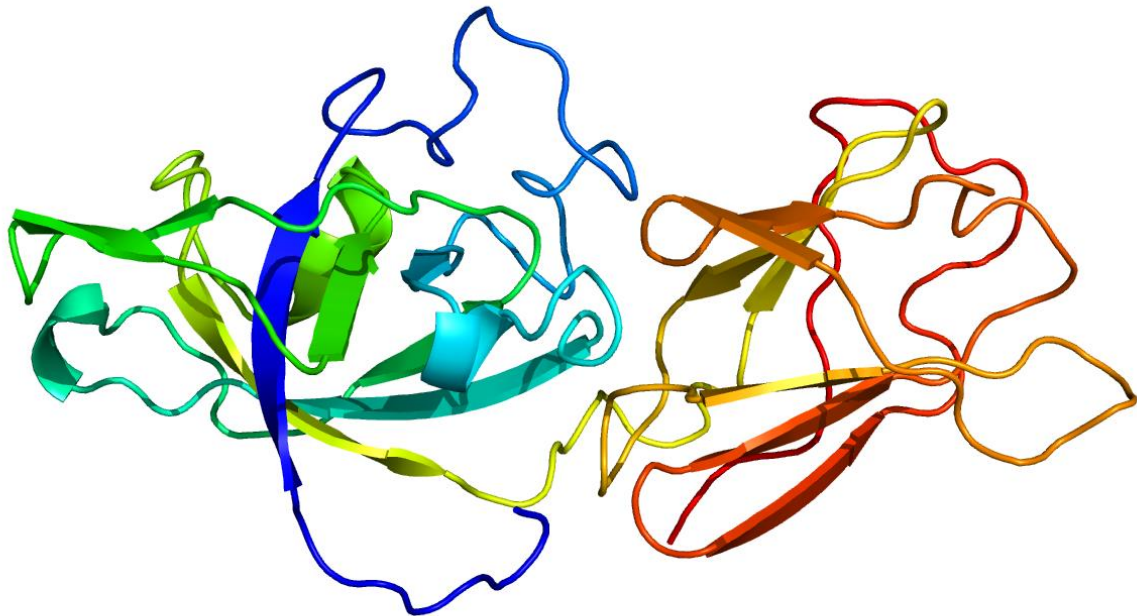
Locus: SbRio.03G116600

Gene Model: SbRio.03G116600.1.p

Description: SbrEXPA-12

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

KEGG:-

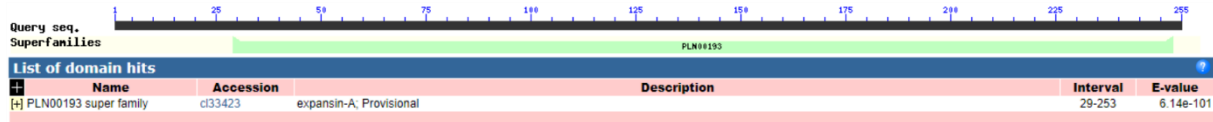
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SbrEXPA-12

MEMAMLLLYLLSLCASRLGGAVAQQYQYWTPATATFYGGSDASGTMGGSCGYGD
LYSAGYGTQTTALSTALYGDGASCGACYLVTCDATGTQYCKPGSPSVTVTATNFCPP
NYDDANGWCNSPRRHFDMSQPAWETIGVYQAGVIPVNYRRVSCQRSGGIRFAISGH
DYFDLVTITNVGGAGAVAAAWIMGTGGTDWLAMSRNWGENWQSGAYLTGKALSF
KVQTDDGKVVVADNVAPANWQFGSTYQASVNFY*

CDS (coding sequence)

>SbrEXPA-12

ATGGAGATGGCAATGCTGCTCTTGTACTTGCTGAGCTTGTGCGCCTCTCGTCTCGG
CGGCGCAGTGGCGCAGCAGTACCAGTACTGGACGCCGGCCACCGCGACGTTCTA
CGGCGGGAGCGACGCGTCCGGCACCATGGGCGGATCGTGCGGGTACGGCGACCT
GTACAGCGCCGGGTACGGGACGACGACGCGGCGCTGAGCACGGCGCTCTACGG
CGACGGCGCCTCCTGCGGCGCGTGCTACCTCGTCACCTGCGACGCGACGGGGACG
CAGTACTGCAAGCCGGGGTTCGCCGTCGGTACCGTACGGCCACCAACTTCTGCC
CGCCCAACTACGACGACGCCAACGGGTGGTGAACCTCGCCGCGGCGGCACTTCG
ACATGTCGCAGCCGGCCTGGGAGACCATCGGCGTGTACCAGGCCGGCGTAATAC
CCGTCAACTACCGGAGGGTATCGTGCCAGAGGTCCGGCGGGATCAGGTTCCGCCAT
CAGCGGGCAGACTACTTTCGACCTTGTACCATCACCAACGTCGGCGGCGCCGGC
GCGGTGGCCGCGGCGTGGATCATGGGCACCGGCGGCACGGACTGGCTGGCCATG
AGCCGCAACTGGGGGGAGAAGTGGCAGAGCGGAGCCTACCTACCGGAAAGGCC
CTGTTCGTTCAAGGTGCAGACGGACGACGGCAAGGTTCGTCGTGGCGGATAACGTG
GCGCCGGCGAACTGGCAGTTCGGCAGCACCTACCAGGCCTCGGTCAACTTCTACT
AG

Nucleotide

>SbrEXPA-12

AACAGATTGCAATTTGCAAGTGATCTGGCTTGGCCCTGCCAGTCAGCCTCCTAGT
GACAGACGATGGAGATGGCAATGCTGCTCTTGTACTTGCTGAGCTTGTGCGCCTC
TCGTCTCGGCGGCGCAGTGGCGCAGCAGTACCAGTACTGGACGCCGGCCACCGC
GACGTTCTACGGCGGGAGCGACGCGTCCGGCACCATGGGTAACACTCTCACTGAG
GCCTGACCCATTTTCTTGGCAATGCATGCAACTCTGATCCACGCCGGCGTTCGTGCG

CACTGATGCGCGTGTACTTGTCGTGCGCCGGCCGTGCGCAGGC GGATCGTGCGGG
TACGGCGACCTGTACAGCGCCGGGTACGGGACGCAGACGACGGCGCTGAGCACG
GCGCTCTACGGCGACGGCGCCTCCTGCGGGCGCGTGCTACCTCGTCACCTGCGACG
CGACGGGGACGCAGTACTGCAAGCCGGGGTCGCCGTCGGTCACCGTCACGGCCA
CCAACTTCTGCCCCGCCAACTACGACGACGCCAACGGGTGGTGCAACTCGCCGCG
GCGGCACTTCGACATGTGCGCAGCCGGCCTGGGAGACCATCGGCGTGTACCAGGCC
GGCGTAATAACCGTCAACTACCGGAGGGTATCGTGCCAGAGGTCCGGCGGGATC
AGGTTCCGCATCAGCGGGCACGACTACTTCGACCTTGTCACCATCACCAACGTCG
GCGGCGCCGGCGCGGTGGCCGCGGCGTGATCATGGGCACCGGCGGCACGGACT
GGCTGGCCATGAGCCGCAACTGGGGGGAGAACTGGCAGAGCGGAGCCTACCTCA
CCGGAAAGGCCCTGTTCGTTCAAGGTGCAGACGGACGACGGCAAGGTCGTCGTGG
CGGATAACGTGGCGCCGGCGAACTGGCAGTTCGGCAGCACCTACCAGGCCTCGG
TCAACTTCTACTAGAGTTGGCCCAGTTGGCCGCGCCACTTCTGATTCTAATGAGTG
GGCCATGTTCACTAACAGCCCATGAGCCCCGCAGAAAATCCTTACAGTAAACAAG
TGTATAATTTTTTTTAATTTGATAATATACAAACAGATTGTAAAGCGCACTTAAGT
ATATTCCTATAAGTAATGTC