

IDENTIFICATION

Species: *Sorghum bicolor* Rio

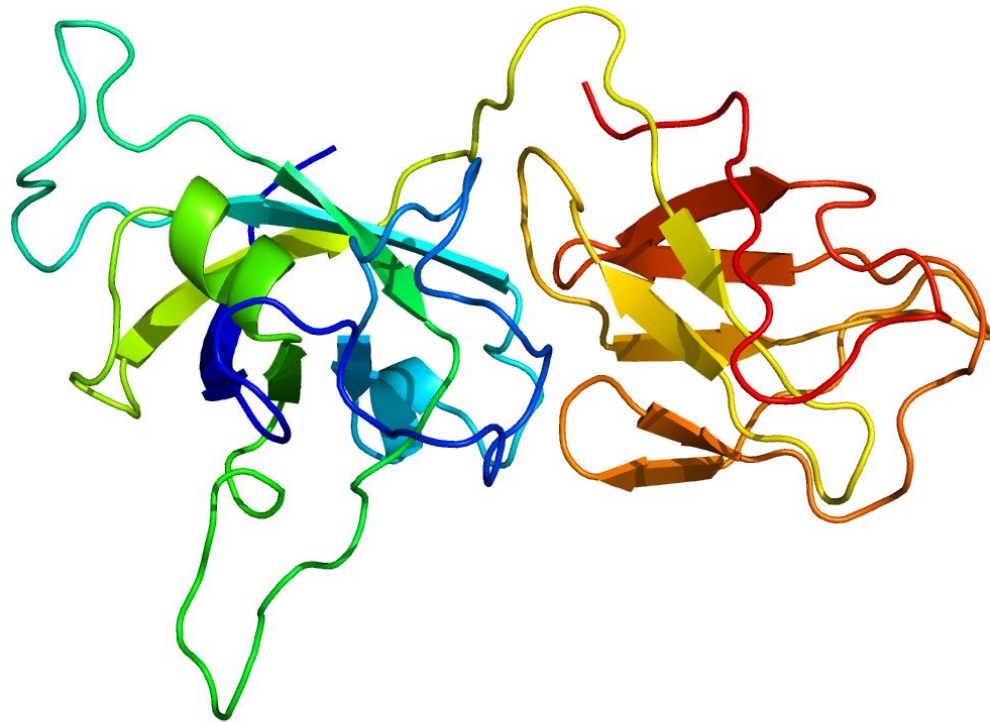
Locus: SbRio.01G252800

Gene Model: SbRio.01G252800.1.p

Description: SbrEXPA-06

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

KEGG:-

EXTERNAL RESOURCES

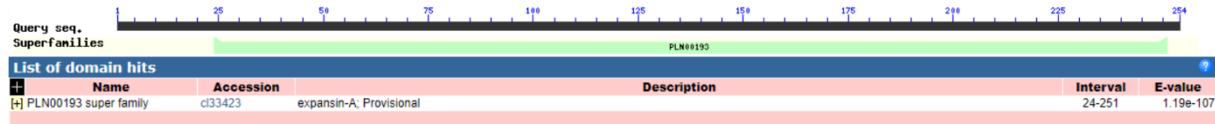
<https://www.sorghumbase.org/post/sorghum-bicolor-rio>

GENE STRUCTURE



Legend:
Exon

DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SbrEXPA-06

MAPRTMMLALWGVLAASTVVAGVAGWSPGTATFYGGSDGSGTMGGACGYGNLYS
AGYGVNNAALSQTLFNDGASCGQCYTITCDGSRSGSQYCKPGNTVTVTATNLCPPN
YGLPNGGWCGPGRPHFDMSQPSWEKIGVVQGGIIPVLYQQVKCSRSGGVRFNIAGSS
YFLLVNIQNLGGSGSVGAAWVKGTNTGWIQMSRNWGANWQALSGLTGQALSFAVT
TTGGQYIQFLNVAPTWWQFGQTYSTNQQFY*

CDS (coding sequence)

>SbrEXPA-06

ATGGCGCCGAGGACGATGATGTTGGCGCTGTGGGGTGTTCCTTGCGGCGTCCACCG
TCGTGGCCGGTGTGGCGGGCTGGTCGCCGGGCACGGCGACCTTCTATGGCGGGTC
CGACGGGTCCGGGACCATGGGCGGCGCGTGC GGGTACGGCAACCTGTACAGCGC
CGGGTACGGCGTTAACAACGCGGCGCTGAGCCAGACGCTGTTCAACGACGGCGC
GTCGTGCGGGCAGTGCTACACCATCACGTGCGACGGGTCACGATCGGGCAGCCA
GTACTGCAAGCCC GGCAACACCGTCAACCGTCAACCGTCAACCGTCAACCGTCAACCGT
AACTACGGGCTCCCCAACGGCGGGTGGTGC GGCCCGGGACGCCCGCACTTCGAC
ATGTCGCAGCCGTCATGGGAGAAGATCGGGCGTCGTCCAGGGCGGCATCATCCCG
GTGCTGTACCAGCAGGTCAAGTGCTCGCGGAGCGGCGGGCGTGC GCTTCAACATCG
CCGGCTCCAGCTACTTCCTGCTCGTCAACATCCAGAACCTGGGCGGCAGCGGCTC
AGTGGGAGCCGCTTGGGTGAAGGGCACCAACACCGGGTGGATCCAGATGTCTAG
GAACTGGGGCGCTAATTGGCAGGCCCTCTCGGGGCTCACCGGCCAGGCGCTCAGC
TTCGCCGTCACTACCACCGGCGGGCAGTACATACAGTTCCTGAACGTGGCGCCGA
CGTGGTGGCAGTTCGGACAGACCTACTCTACCAACCAGCAGTTTTACTACTGA

Nucleotide

>SbrEXPA-06

ATGGCGCCGAGGACGATGATGTTGGCGCTGTGGGGTGTTCCTTGCGGCGTCCACCG
TCGTGGCCGGTGTGGCGGGCTGGTCGCCGGGCACGGCGACCTTCTATGGCGGGTC
CGACGGGTCCGGGACCATGGGCGGCGCGTGC GGGTACGGCAACCTGTACAGCGC
CGGGTACGGCGTTAACAACGCGGCGCTGAGCCAGACGCTGTTCAACGACGGCGC
GTCGTGCGGGCAGTGCTACACCATCACGTGCGACGGGTCACGATCGGGCAGCCA
GTACTGCAAGCCC GGCAACACCGTCAACCGTCAACCGTCAACCGTCAACCGTCAACCGT
AACTACGGGCTCCCCAACGGCGGGTGGTGC GGCCCGGGACGCCCGCACTTCGAC
ATGTCGCAGCCGTCATGGGAGAAGATCGGGCGTCGTCCAGGGCGGCATCATCCCG
GTGCTGTACCAGCAGGTCAAGTGCTCGCGGAGCGGCGGGCGTGC GCTTCAACATCG
CCGGCTCCAGCTACTTCCTGCTCGTCAACATCCAGAACCTGGGCGGCAGCGGCTC
AGTGGGAGCCGCTTGGGTGAAGGGCACCAACACCGGGTGGATCCAGATGTCTAG
GAACTGGGGCGCTAATTGGCAGGCCCTCTCGGGGCTCACCGGCCAGGCGCTCAGC
TTCGCCGTCACTACCACCGGCGGGCAGTACATACAGTTCCTGAACGTGGCGCCGA
CGTGGTGGCAGTTCGGACAGACCTACTCTACCAACCAGCAGTTTTACTACTGA

AACTACGGGCTCCCCAACGGCGGGTGGTGCGGCCCGGGACGCCC GCACTTCGAC
ATGTCGCAGCCGTCATGGGAGAAGATCGGGCGTCGTCCAGGGCGGCATCATCCCG
GTGCTGTACCAGCAGGTCAAGTGCTCGCGGAGCGGCGGGCGTGCGCTTCAACATCG
CCGGCTCCAGCTACTTCCTGCTCGTCAACATCCAGAACCTGGGGCGGCAGCGGCTC
AGTGGGAGCCGCTTGGGTGAAGGGCACCAACACCGGGTGGATCCAGATGTCTAG
GAACTGGGGCGCTAATTGGCAGGCCCTCTCGGGGCTCACCGGCCAGGCGCTCAGC
TTCGCCGTCACTACCACCGGCGGGCAGTACATACAGTTCCTGAACGTGGCGCCGA
CGTGGTGGCAGTTCGGACAGACCTACTCTACCAACCAGCAGTTTTACTACTGA