

IDENTIFICATION

Species: *Sorghum bicolor* Rio

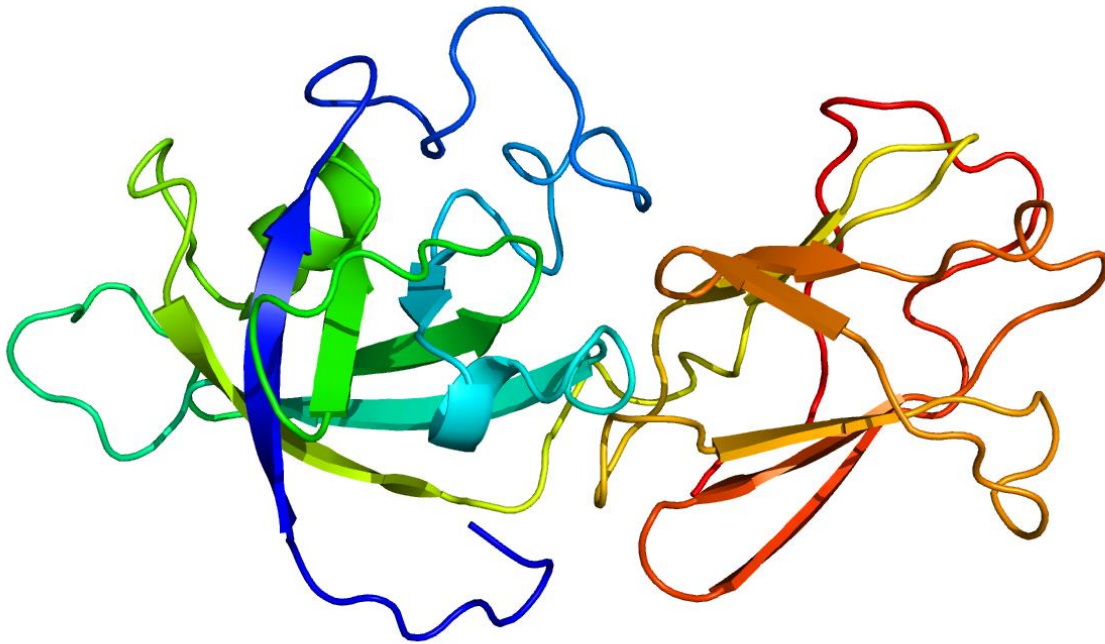
Locus: SbRio.01G252400

Gene Model: SbRio.01G252400.1.p

Description: SbrEXPA-02

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

KEGG:-

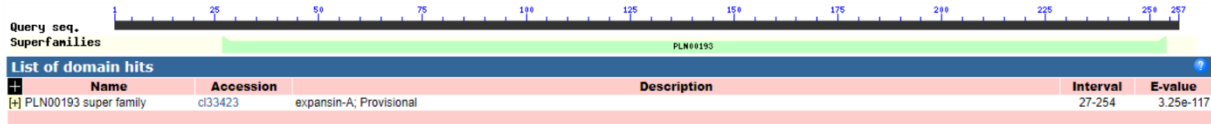
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SbrEXPA-02

METPKPLAVVFLAVVALAAAPPAVDAWSRGTATFYGGDASGTMGGACGYGNLY
ATGYGQYTAALSQVLYNDGASCGQCYQISCDPQTDARWCRQGAGPVTVSATNLCPP
NYAYSGSNGGWCNPPRAHFDMSQPAWLKIGIYQGGIIPVLYQRVPCVKQGGVRFIT
GFNHVELVLISNVAGSGSVASAWVQGANTNRVPMsrnWGANWQSLAGIAGQALTF
GVTSTGGQSIVFPYVVPQNWVFGMSFTSNLQFSY*

CDS (coding sequence)

>SbrEXPA-02

ATGGAGACACCCAAACCTCTGGCCGTCGTGTTCCCTCGCGGTGGTCGCGCTGGCTG
CCGCGCCGCCGGCCGTCGACGCCTGGTCCAGGGGCACCGCCACGTTCTACGGCGG
CGGCGACGCCTCGGGCACAATGGGCGGGGCGTGCGGGTACGGCAACCTGTACGC
GACGGGCTACGGGCAGTACACGGCGGCCCTGAGCCAGGTCCTGTACAACGACGG
CGCGTCGTGCGGGCAGTGCTACCAGATCTCGTGCGACCCGCAGACGGACGCGCG
GTGGTGCCGGCAGGGCGCCGGCCCCGTCACGGTCTCGGCCACCAACCTGTGCCCG
CCAACTACGCCTACTCCGGCAGCAACGGCGGCTGGTGCAACCCGCCGCGGGCG
CACTTCGACATGTCCCAGCCGGCGTGGCTCAAGATCGGCATCTACCAGGGCGGCA
TCATCCCGGTGCTGTACCAGCGCGTGCCTGCGTGAAGCAGGGCGGCGTGCGCTT
CACCATCACCGGGTTCAACCACTACGAGCTGGTGCTCATCTCCAACGTCGCCGGC
AGCGGCTCGGTGGCCAGCGCCTGGGTCCAGGGCGCCAACACCAACCGGGTGCCC
ATGAGCAGGAAGTGGGGCGCCAAGTGGCAGTCGCTGGCCGGGATCGCCGGCCAG
GCGCTCACCTTCGGCGTACAGTCCACAGGCGGACAGAGCATCGTCTTCCCGTACG
TCGTGCCGCAGAACTGGGTGTTCCGGCATGTCATTCACCAGCAACTTGCAGTTCTC
CTACTAA

Nucleotide

>SbrEXPA-02

CCGATCTGAATCTGATCGGCTATCCGCATGCATCAGCGCAACTGTCGCTGCGCGC
GCTCATGTGCCGTCGTGCCCGTCGATCTTGATCGCTTGGATTCAGCTGTTTCTCGT
CGACGACTCCAACCTTCCCTAGCTATTTAAGAACCGATTGTAGCAACCACATCGA
AGACCACCACCTTTCGTCTTGATCCCTCCCTCTATCGTGAGCTTCTTCCCTGTGTGA
TCCATCTTCACTTGCAGTGGATCCTGCTGTTCTGTTTGAGACGCCAAGCTAAGGGT

GGCAGTAATGGAGACACCCAAACCTCTGGCCGTCGTGTTCCCTCGCGGTGGTCGCG
CTGGCTGCCGCGCCGCCGGCCGTCGACGCCTGGTCCAGGGGCACCGCCACGTTCT
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ACCCATGCGCTAGTAACAATAATGCTTCATACGTACGAGTAGTAGATTTCACTGG
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GCGGGGCGTGCGGGTACGGCAACCTGTACGCGACGGGCTACGGGCAGTACACGG
CGGCCCTGAGCCAGGTCCTGTACAACGACGGCGCGTCGTGCGGGCAGTGCTACCA
GATCTCGTGCGACCCGCGAGACGGACGCGCGGTGGTGCCGGCAGGGCGCCGGCCC
CGTCACGGTCTCGGCCACCAACCTGTGCCCGCCCAACTACGCCTACTCCGGCAGC
AACGGCGGTGGTGCAACCCGCCGCGGGCGCACTTCGACATGTCCCAGCCGGCGT
GGCTCAAGATCGGCATCTACCAGGGCGGCATCATCCCGGTGCTGTACCAGCGCGT
GCCCTGCGTGAAGCAGGGCGGCGTGCGCTTCACCATCACCGGGTTCAACCACTAC
GAGCTGGTGCTCATCTCCAACGTCGCCGGCAGCGGCTCGGTGGCCAGCGCCTGGG
TCCAGGGCGCCAACACCAACCGGGTGCCCATGAGCAGGAACTGGGGCGCCAACT
GGCAGTCGCTGGCCGGGATCGCCGGCCAGGCGCTCACCTTCGGCGTCACGTCCAC
AGGCGGACAGAGCATCGTCTTCCCGTACGTTCGTGCCGAGAACTGGGTGTTCCGGC
ATGTCATTCACCAGCAACTTGCAGTTCTCCTACTAA