

IDENTIFICATION

Species: *Sorghum bicolor* Rio

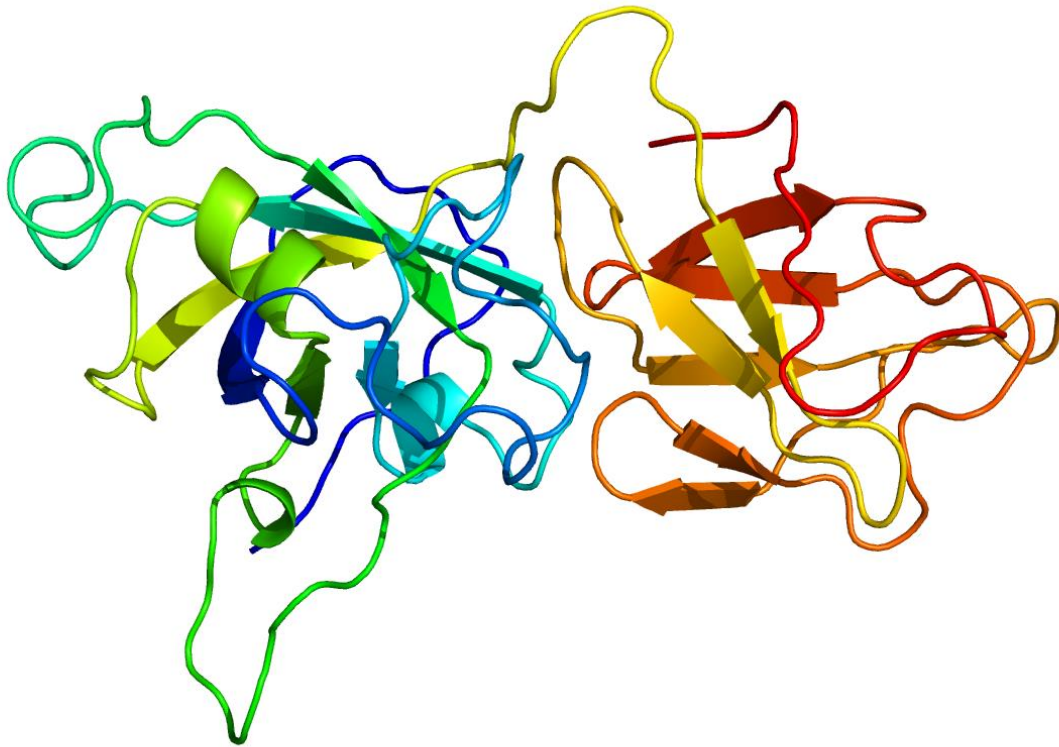
Locus: SbRio.04G128400

Gene Model: SbRio.04G128400.1.p

Description: SbrEXPA-17

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

KEGG:-

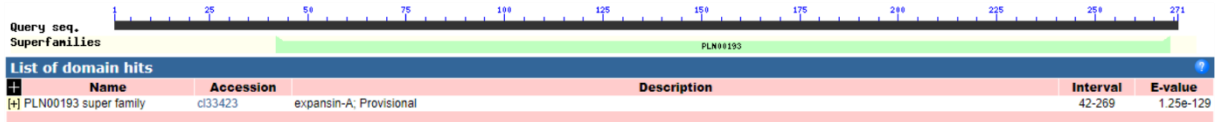
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SbrEXPA-17

MGMAPARVLGFVSLAVACILAIMAAAGDAATSTPSSPTPTTGWLKAHATFYGGADA
SDTMGGACGYGNLYSQGYGTRTAALSTVLFQDGASCGQCYKIACDRKKADPRFCKP
GVTVTVTATNFCPPNSALPDGGWCNQQRPHFDMAQPAFEKIGVYTGGIIPVMYKRVP
CVKRGGVRFTHDGFNLVLTNVAGAGSIKSMDVKTSNSNSWISMARNWGANW
HSLAHLTGQMLSFRVTDTDGQTIEFTNVVPQGKFGQTFASKLQFK*

CDS (coding sequence)

>SbrEXPA-17

ATGGGTATGGCTCCAGCACGAGTTCTTGGATTCGTGTCGCTCGCAGTCGCCTGCA
TTTTGGCCATCATGGCCGCCGCTGGTGACGCCGCCACCAGCACTCCGTCGTCTCC
GACGCCGACCACCGGATGGCTGAAGGCGCATGCCACGTTCTACGGCGGGGCCGA
TGCCCTCGGACACCATGGGAGGGGCGTGCGGGTACGGGAACCTCTACTCCCAGGG
CTACGGCACGCGGACGGCGGCCCTGAGCACGGTGCTCTTTCAGGATGGGGCCTCA
TGCGGCCAGTGCTACAAGATTGCGTGCGACCGTAAGAAAGCCGACCCCAGGTTCT
GCAAGCCCGGCGTCAAGTACCGTACGGCCACCAACTTCTGCCCCCAACTC
GGCGTGCCCGACGGTGGCTGGTGAATCAGCAGCGCCCGCACTTCGACATGGCG
CAACCGGCTTTCGAGAAGATCGGCGTCTACACCGGCGGCATCATCCCCGTATGT
ACAAGAGGGTTCCTTGTGTAAAGCGAGGTGGGGTGCAGTTCACAATCAATGGTCA
CGACTACTTCAATCTCGTGCTCGTGACCAATGTTGCAGGAGCTGGCTCCATCAAG
TCAATGGACGTCAAGACCTCCAATCAATAGTTGGATATCAATGGCACGCAACT
GGGGTGCGAACTGGCACTCTCTTGCTCACCTTACTGGACAGATGCTCTCATTTAG
AGTAACGGACACGGATGGACAAACTATTGAATTCACAAACGTTGTGCCACAAGG
ATGGAAGTTTGGCCAAACATTTGCATCCAAGTTACAGTTCAAGTGA

Nucleotide

>SbrEXPA-17

ATGGGTATGGCTCCAGCACGAGTTCTTGGATTCGTGTCGCTCGCAGTCGCCTGCA
TTTTGGCCATCATGGCCGCCGCTGGTGACGCCGCCACCAGCACTCCGTCGTCTCC
GACGCCGACCACCGGATGGCTGAAGGCGCATGCCACGTTCTACGGCGGGGCCGA
TGCCCTCGGACACCATGGGTAAGCAGCAAGCTAAGTCGCTCTCTATGTTTGGC
ATGCATGGTTTATTACCTAAAGTTAGCACAGGCAGAGCTAACTGCATCAAATTGT

ATTTATTCGCAGGAGGGGCGTGCGGGTACGGGAACCTCTACTCCCAGGGCTACGG
CACGCGGACGGCGGCCCTGAGCACGGTGCTCTTTCAGGATGGGGCCTCATGCGGC
CAGTGCTACAAGATTGCGTGCGACCGTAAGAAAGCCGACCCCAGGTTCTGCAAG
CCCGGCGTACAGTCACCGTCACGGCCACCAACTTCTGCCCCCAACTCGGCGC
TGCCCGACGGTGGCTGGTGCAATCAGCAGCGCCCGCACTTCGACATGGCGCAACC
GGCTTTCGAGAAGATCGGCGTCTACACCGGCGGCATCATCCCCGTCATGTACAAG
AGGTAGATTTTATGAGTTTAATTGCCGATTAAGTGTGTAGTCTCTGCTAATGACAA
ATTTAAGCACGATGGATGCAATATATCTTGTCTTGAGTAAAGTAAAAACATGCTT
TAATTTGCAGGGTTCCTTGTGTAAAGCGAGGTGGGGTGCGGTTACAATCAATGG
TCACGACTACTTCAATCTCGTGCTCGTGACCAATGTTGCAGGAGCTGGCTCCATC
AAGTCAATGGACGTCAAGACCTCCAACCTCCAATAGTTGGATATCAATGGCACGCA
ACTGGGGTGCGAACTGGCACTCTCTTGCTCACCTTACTGGACAGATGCTCTCATTT
AGAGTAACGGACACGGATGGACAAACTATTGAATTCACAAACGTTGTGCCACAA
GGATGGAAGTTTGGCCAAACATTTGCATCCAAGTTACAGTTCAAGTGAGCTCCGT
ACGTACAGGATTTCCAGTGACCCAAATAGTTGCGCACTTGTGGGAGTATATATGA
TTCAAAGACGCTCAAAATGTATGCATGCATGTATGGATCGGAGTTGCTGGAGTCG
TACACTATATATATATATATA