

IDENTIFICATION

Species: *Sorghum bicolor* Rio

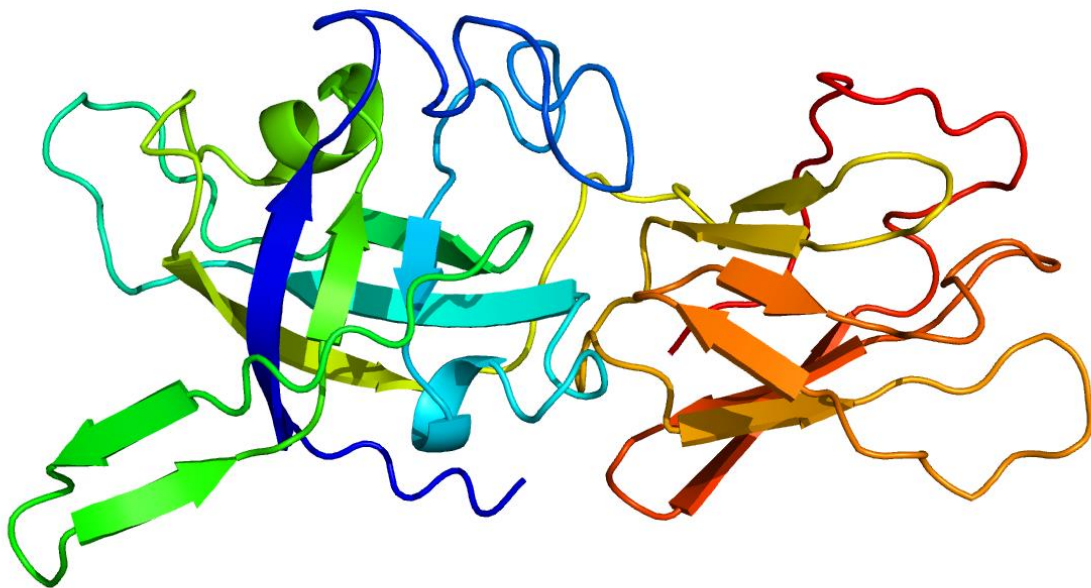
Locus: SbRio.04G129600

Gene Model: SbRio.04G129600.1.p

Description: SbrEXPA-20

Family: Alpha Expansin

3D structure:



GENOME DATABASES

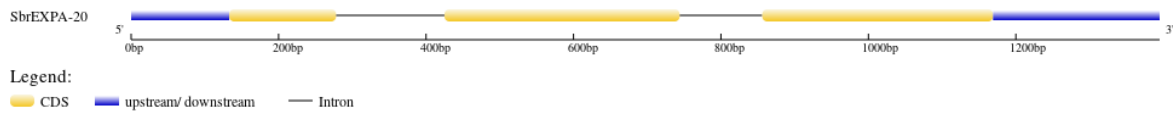
Phytozome: https://phytozome-next.jgi.doe.gov/info/SbicolorRio_v2_1

KEGG:-

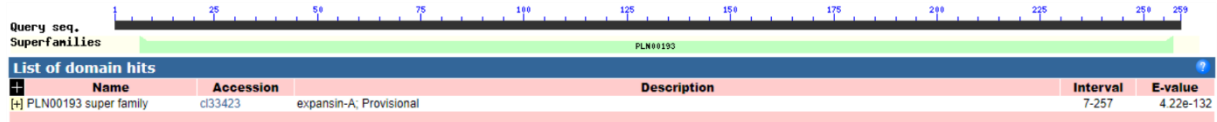
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SbrEXPA-20

MAQARVFTLLVLAAGWVSAMAANAPAPTGWLKAHATFYGGADASDTMGGACG
YGNLFSQYGTRTAALSTVLFNDGASCGQCYKIACDRKRADPMFCKPGVTVTITATN
FCPPNMALPEGGWCNQQRPHFDMAQPAFEKIGVYSGGIIPVMYKRVPVCRGGVRF
TINGHDYFNLVLVTNVAAAGSIKSMDVKSSNSTEWTPMARNWGANWHSLAYLTGQ
LLSFRVTDTDGQTIEFTNVVPQGWKFGQTFASKLQFK*

CDS (coding sequence)

>SbrEXPA-20

ATGGCTCAAGCTCGAGTCTTCACGCTCTTGGTGCTCGCAGCTGCCGGTTGGGTGTC
GGCCATGGCAGCTAATGCTCCGGCACCAACCGGGTGGCTGAAGGCACATGCCAC
CTTCTACGGAGGCGCTGATGCCTCCGACACCATGGGCGGCGCGTGCGGGTACGGC
AACCTCTTCTCACAGGGCTACGGCACGCGGACGGCGGCGCTGAGCACGGTGCTCT
TCAACGACGGCGCCTCATGCGGGCAGTGCTACAAGATCGCGTGTGACCGCAAGA
GAGCCGACCCCATGTTCTGTAAACCTGGTGTCACGGTGACCATCACGGCCACCAA
CTTCTGCCC GCCTAACATGGCGCTGCCTGAGGGCGGCTGGTGCAATCAGCAGCGC
CCGCACTTTGACATGGCGCAGCCGGCGTTTGAGAAAATCGGCGTCTACAGCGGCG
GCATCATCCCCGTCATGTACAAGAGAGTTCCTTGCGTGAAGCGAGGTGGAGTCAG
GTTACAATCAATGGGCATGACTACTTCAATCTTGTGCTTGTGACCAATGTTGCGG
CTGCCGGCTCCATCAAGTCCATGGATGTCAAGAGCTCGAATTCGACCGAATGGAC
CCCAATGGCACGAACTGGGGCGCAAACCTGGCACTCTCTGGCCTATCTCACAGGG
CAACTGCTCTCGTTCAGAGTCACCGACACGGATGGACAAACTATTGAATTCACAA
ACGTGGTGCCACAGGGATGGAAGTTTGCCAAACATTTGCATCCAAGTTGCAGTT
CAAGTGA

Nucleotide

>SbrEXPA-20

CATACTTACATATATATATACACACACACCAACAATTTATTCAGGCAACACGATC
TCCACTTTCTGAGCTACATATATACAGTAGTACTCCAGATTCTTCTCGATCGTACG
GTTTCATAGAGGTGGTATCTATTATGGCTCAAGCTCGAGTCTTCACGCTCTTGGTGC
TCGCAGCTGCCGGTTGGGTGTCCGGCCATGGCAGCTAATGCTCCGGCACCAACCGG
GTGGCTGAAGGCACATGCCACCTTCTACGGAGGCGCTGATGCCTCCGACACCATG

GGTAAGCTAGCTAGCCGCTCAAGAACCTGCATTGTATAGCTTTCCTATGCCACGA
AAATGATGCACGCACTGTGCCGACCGATATCACACATATGTCGTCGTCTAATCTG
TTCTAAGAATATATATGTGTGTGTATGCATGGTGGCAGGCGGCGCGTGCGGGTAC
GGCAACCTCTTCTCACAGGGCTACGGCACGCGGACGGCGGCGCTGAGCACGGTG
CTCTTCAACGACGGCGCCTCATGCGGGCAGTGCTACAAGATCGCGTGTGACCGCA
AGAGAGCCGACCCCATGTTCTGTAAACCTGGTGTACGGTGACCATCACGGCCAC
CAACTTCTGCCCCGCTAACATGGCGCTGCCTGAGGGCGGCTGGTGCAATCAGCAG
CGCCCGCACTTTGACATGGCGCAGCCGGCGTTTGAGAAAATCGGCGTCTACAGCG
GCGGCATCATCCCCGTATGTACAAGAGGTCTCTTTAATTTAATTTCCAACATGTT
CCTAGTCCGCCTCGACCTATCATCATAAAAAAAAAAAGACAAACAAATTGGGATGC
AATATCTTACGATGACTTTCTTGCTTGTAGAGTTCCTTGCGTGAAGCGAGGTGGA
GTCAGGTTACAATCAATGGGCATGACTACTTCAATCTTGTGCTTGTGACCAATGT
TGCGGCTGCCGGCTCCATCAAGTCCATGGATGTCAAGAGCTCGAATTCGACCGAA
TGGACCCCAATGGCACGAACTGGGGCGCAAACCTGGCACTCTCTGGCCTATCTCA
CAGGGCAACTGCTCTCGTTCAGAGTCACCGACACGGATGGACAAACTATTGAATT
CACAAACGTGGTGCCACAGGGATGGAAGTTTGGCCAAACATTTGCATCCAAGTTG
CAGTTCAAGTGACGATGAGAGCTCCATCATCCAGGATTATTTCCGGTGACTCGTC
ACTAGTCACAGGAGTATGATTCAAAAAAGTTGCTGGTCAAATGCATGAATAATG
GAGTTGCTTGTGCTAGCTGTACGCTATATATGTGCATGACTTGTATATACCGCCTA
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TAATAATAATAGTCA