

IDENTIFICATION

Species: *Sorghum bicolor* Rio

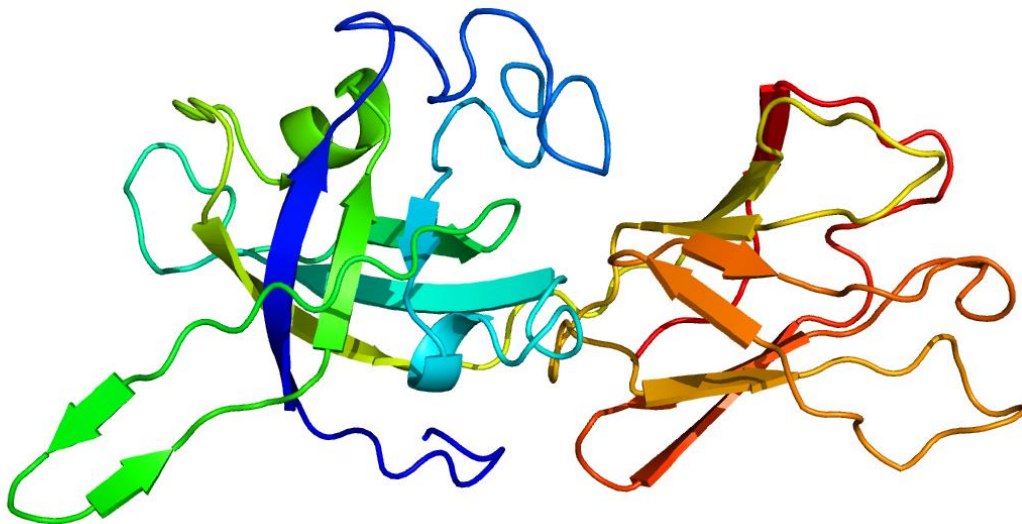
Locus: SbRio.07G018800

Gene Model: SbRio.07G018800.1.p

Description: SbrEXPA-24

Family: Alpha Expansin

3D structure:



GENOME DATABASES

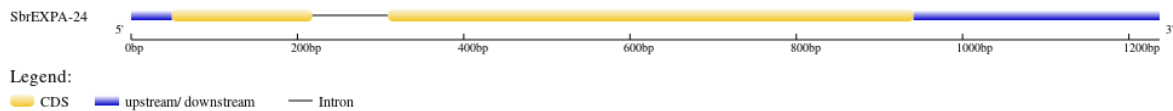
Phytozome: https://phytozome-next.jgi.doe.gov/info/SbicolorRio_v2_1

KEGG:-

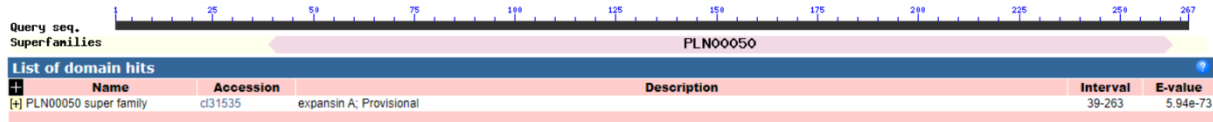
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SbrEXPA-24

MDPSSSSSRFPAAAAVVAAALLLLPALSSAGDDDWQQWQAAHATFYGDESGADT
MQGACGYGDLLQQGYGLETTALSVALFNEGWSCGGCYEIRCQGSTFCPRGGAPVTV
TATNLCPANYSKPNENWCNPLRHFDSLKPMFLRLVTDHFVGIIPVEYRRVACANKR
GGVRFEMKGNRWVAVLVFNVAGAGDVKAVAAGSRDGGQWVDLSRSWGQVW
TNGDGRSVGEGLSFRVVAGDGRAVVLDDAVPPGWAFGQSFEGRGQF*

CDS (coding sequence)

>SbrEXPA-24

ATGGACCCTAGTTCGTCGTCGTCGCTTCCGGCGGGCGGCCGCGGTGGTGGCGG
CAGCACTGCTGCTGCTTCTGCCGGCGTTGTCGTCGGCCGGCGACGACGACTGGCA
GCAGTGGCAAGCGGCGCACGCCACGTTCTACGGCGACGAAAGCGGCGCCGACAC
CATGCAGGGTGCCTGTGGCTACGGCGACCTGTTGCAGCAGGGGTACGGGCTGGA
GACGACGGCGCTGAGCGTGGCGCTTCAACGAGGGCTGGTCCTGCGGCGGCTGC
TACGAGATACGGTGCCAGGGGAGCACGTTCTGCCCCGCGGCGGCGCGCCGGTG
ACGGTGACGGCGACGAACCTGTGCCCGGCGAACTACTCGAAGCCGAACGAGAAC
TGGTGCAACCCGCGCTGCGGCACTTCGACCTGTCCAAGCCCATGTTCTGCGCC
TCGTCACCGACTTCCACGTCGGGATCATCCCCGTGGAGTACCGCCGCGTGGCGTG
CGCCAACAAGCGCGGCGGCGTCCGGTTCGAGATGAAGGGCAACCGGTGGTGGGT
CGCCGTGCTCGTCTTCAACGTCGCCGGCGCTGGCGACGTCAAGGCCGTGCGCGG
AAGGGGTCCCGCGACGGCGGGCAGTGGGTGCGACTTGTCGCGCAGCTGGGGACAG
GTGTGGACGAACGGCGATGGACGGAGCGTCCGGGAGGGCCTCTCGTTCGCGGTC
GTCGCCGGCGATGGACGCGCCGTCGTGCTCGACGACGCCGTGCCGCTGGGTGGG
CGTTCGGCCAGAGCTTCGAGGGCAGGGGCCAGTTCTGA

Nucleotide

>SbrEXPA-24

ACGGCTGCACACTACACCAGTCCAAAAGCCCGTTTCGTCAGTGGCTTACATGGAC
CCTAGTTCGTCGTCGTCGCTTCCGGCGGGCGGCCGCGGTGGTGGCGGCAGCAC
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GCAAGCGGCGCACGCCACGTTCTACGGCGACGAAAGCGGCGCCGACACCATGCG
TGAGTCTCTTGCATGCTCTGCTGTTTCGTCGTCACGCACGTTCTAACCTTTTTTTTT

CCCCAATCGGTGACGGTGCGTCCATGCATGCAGAGGGTGCGTGTGGCTACGGCGA
CCTGTTGCAGCAGGGGTACGGGCTGGAGACGACGGCGCTGAGCGTGGCGCTCTTC
AACGAGGGCTGGTCCTGCGGCGGCTGCTACGAGATACGGTGCCAGGGGAGCACG
TTCTGCCCCCGCGGCGGCGCGCCGGTGACGGTGACGGCGACGAACCTGTGCCCGG
CGAACTACTCGAAGCCGAACGAGAACTGGTGCAACCCGCCGCTGCGGCACTTCG
ACCTGTCCAAGCCCATGTTCTGCGCCTCGTCACCGACTTCCACGTCGGGATCATC
CCCGTGGAGTACCGCCGCGTGGCGTGCGCCAACAAGCGCGGGCGGCGTCCGGTTC
GAGATGAAGGGCAACCGGTGGTGGGTCGCCGTGCTCGTCTTCAACGTCGCCGGCG
CTGGCGACGTCAAGGCCGTCGCCGCGAAGGGGTCCC GCGACGGCGGGCAGTGGG
TCGACTTGTCGCGCAGCTGGGGACAGGTGTGGACGAACGGCGATGGACGGAGCG
TCGGGGAGGGCCTCTCGTTCCGCGTCGTCGCCGGCGATGGACGCGCCGTCGTGCT
CGACGACGCCGTGCCGCTGGGTGGGCGTTCGGCCAGAGCTTCGAGGGCAGGGG
CCAGTTCTGACACACCTGTACGCAAGGGATGTTTGCAATTGCTAGCGTCCGTCCA
TGCTTTGTATTACCGGCGCCTGTTCTTTAGTTTTCAAATTGCCAAGATGTCGTTT
ATGGAAAACCTGTGTTTTTTTTATTATCAATCATCATCAAACCTGAGAAATGCAAA
AGGTTTTGATTATTTGTCTGATTTTACGAGTGACGTAATTCAGAATACGCAAATC
GAATATCATTTTTTGAATCGAAAGTGACGATTCGCTAGGGAAGAAAACCTAGTGCT
AGATCATCAATAATAACTTGCAATTTTG