

IDENTIFICATION

Species: *Sorghum bicolor* Rio

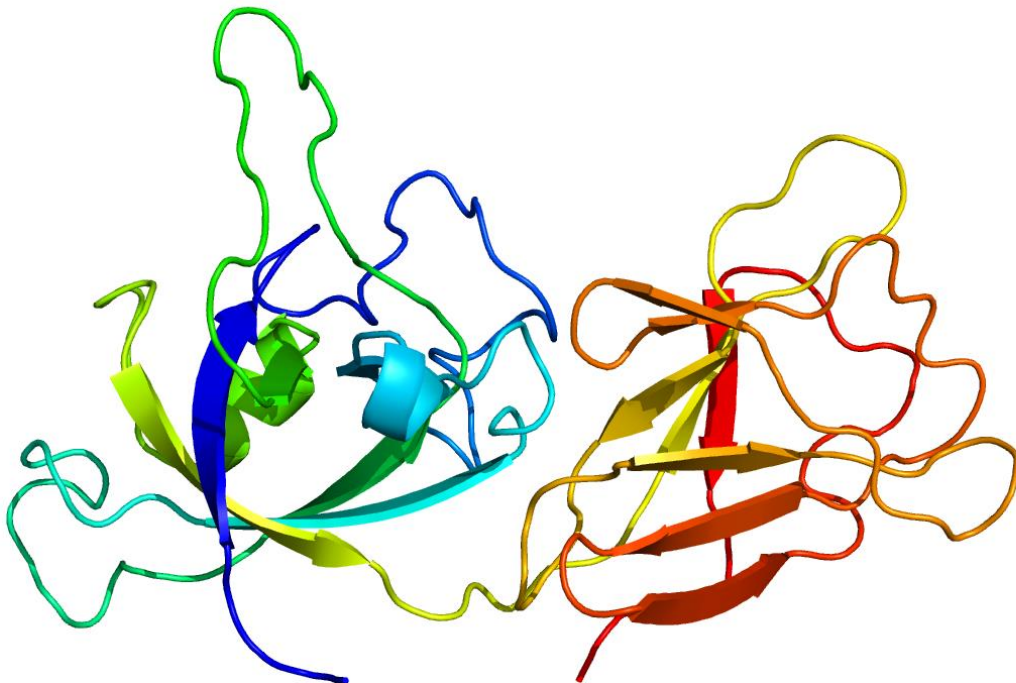
Locus: SbRio.01G252600

Gene Model: SbRio.01G252600.1.p

Description: SbrEXPA-04

Family: Alpha Expansin

3D structure:



GENOME DATABASES

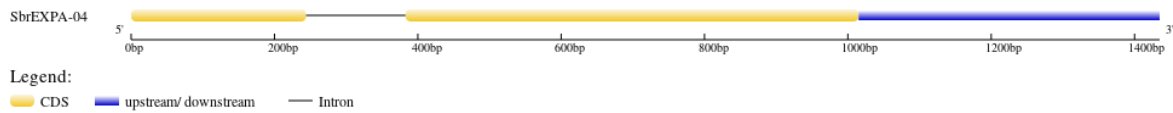
Phytozome: https://phytozome-next.jgi.doe.gov/info/SbicolorRio_v2_1

KEGG:-

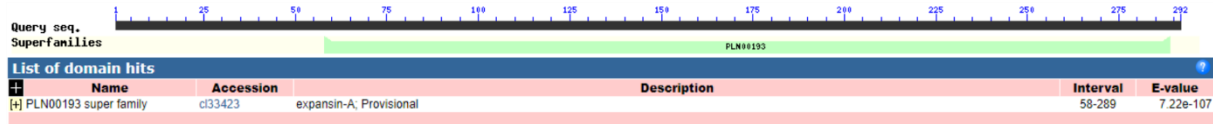
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SbrEXPA-04

MHQTGLKHLHPHIPCLGTPNTHPRSSILFSICIQLSISNDEMANSFMLCTVVVASCLAV
AAAGWSQGTATFYGGVDASGTMGGACGYDNLYNAGYGVNNAALGPTLFNDGASC
GQCYLITCDTSRSGGQWCKPGNSITVSATNLCPSNYALPNGGWCGPGRPHFDMSQPA
WEHIGIYSAGVVPVLYQQVKCSRTGGVRFSLAGSQYFLLVNIQNLGGSGSVGAAWV
KGDKTGWIQMSRNWGANWQALAGLVGQGLSFAVTTTGGQYIQFWNVVPGWQF
GQTYSTTQNFYY*

CDS (coding sequence)

>SbrEXPA-04

ATGCATCAAACCGGCCTGAAACATCTTCATCCTCATATTCCCTGCTTAGGAACAC
CGAACACACACCCTCGATCGTCAATCTTGTTCTCTATCTGCATCCAGCTCTCCATT
TCGAACGACGAAATGGCCAATTCCTTTATGCTGTGCACGGTGGTTGTTGCGTTCGT
GCCTCGCCGTCGCCGCCGCGGCTGGTCTCAAGGCACTGCCACTTTCTACGGCGG
AGTCGACGCGTCCGGCACGATGGGCGGCGCATGCGGGTACGACAACCTGTACAA
CGCGGGGTACGGCGTGAACAACGCGGCGCTGGGCCCGACCTTGTTCAACGACGG
CGCGTTCGTGTGGGCAGTGCTACCTCATCACCTGCGACACGTCACGGAGCGGGCGG
CAGTGGTGCAAGCCGGGCAACTCCATCACGGTGTCCGCCACCAACTGTGCCCGT
CCA ACTACGCGCTGCCCAACGGCGGGTGGTGCGGCCCGGGGCGCCCCACTTCGA
CATGTTCGACGCCGCGTGGGAGCACATCGGCATCTACAGCGCCGGCGTTCGTCGCG
GTCCTGTACCAGCAGGTCAAGTGCTCGCGCACCGGCGGGCGTTCGCGCTTCAGCCTCG
CCGGCTCCCAGTATTTCTGCTCGTCAACATCCAGAACCTCGGCGGCAGTGGCTC
TGTGGGCGCTGCGTGGGTGAAGGGTGACAAGACGGGGTGGATCCAGATGTCCAG
GAACTGGGGCGCCA ACTGGCAGGCGCTCGCCGGGCTCGTCGGCCAGGGGCTCAG
CTTCGCCGTTACCACTACCGGCGGGCAGTACATTCAGTTCTGGAACGTGGTGCCT
GGGTGGTGGCAGTTCGGACAGACCTACTCCACAACCCAGAATTTCTACTACTAA

Nucleotide

>SbrEXPA-04

ATGCATCAAACCGGCCTGAAACATCTTCATCCTCATATTCCCTGCTTAGGAACAC
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CGCATGCGGGTACGACAACCTGTACAACGCGGGGTACGGCGTGAACAACGCGGC
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ACCTGCGACACGTACGGAGCGGCGGGCAGTGGTGCAAGCCGGGCAACTCCATC
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GGTGCGGCCCGGGGCGCCCCACTTCGACATGTTCGACGCCGGCGTGGGAGCACA
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GCGCACCGGCGGGCGTGCCTTCAGCCTCGCCGGCTCCCAGTATTTCTGCTCGTC
AACATCCAGAACCTCGGCGGCAGTGGCTCTGTGGGCGCTGCGTGGGTGAAGGGT
GACAAGACGGGGTGGATCCAGATGTCCAGGAACCTGGGGCGCCAACCTGGCAGGCG
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AGTACATTCAGTTCTGGAACGTGGTGCCTGGGTGGTGGCAGTTCGGACAGACCTA
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GAAGCTCGATGGATGTCCCTCCTTATTTGCCCATTTCTTGAGGTTTAGTCGAGTGG
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