IDENTIFICATION

Species: *Sorghum bicolor Rio*

Locus: SbRio.01G034500

Gene Model: SbRio.01G034500.1.p

Description: SbrEXPA-01

Family: Alpha Expansin

3D structure:

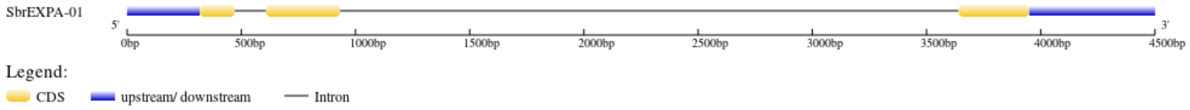
GENOME DATABASES

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

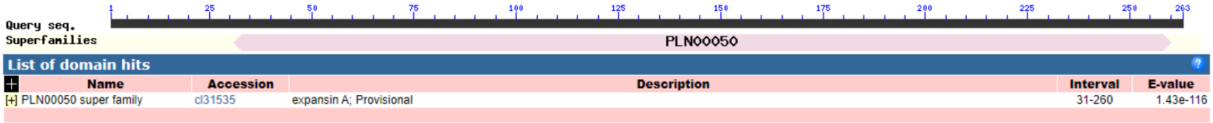
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



List of domain hits

Name	Accession	Description	Interval	E-value
[+] PLN00050 super family	cl31535	expansin A; Provisional	31-260	1.43e-116

SEQUENCES

Peptide

>SbrEXPA-01

MAAMPALLLLLVAAAMMLSPASARIPGVYGGGGWQSAHATFYGGSDASGTMGGA
CGYGNLYSQGYGVNNAALSTALFNEGLSCGACFELKCENQPGWRWCRPGSPSILVT
ATNFCPPNYALPSDDGGWCNPPRPHFDLAMPMFLHIAEYRAGIVPVSYRRVPCRKSG
GVRFTINGFRYFNLVLITNVAGAGDIVRASVKASSTGWLTMSRNWGQNWQSNAILV
GQALSFRVTGSDRRTSTSWNAAPRNWQFGQTFEGKNFRV*

CDS (coding sequence)

>SbrEXPA-01

ATGGCGGCGATGCCGGCGCTCCTGCTGCTGCTGGTGGCCGCGGCGATGATGCTCT
CCCCAGCGTCCGCCCGCATTCCCGGCGTGTACGGCGGCGGCGGCTGGCAGAGCGC
GCACGCCACGTTCTACGGCGGCAGTGACGCCTCGGGCACCATGGGCGGCGCGTG
CGGCTATGGCAACCTGTACAGCCAGGGGTACGGCGTGAACAACGCGGCGCTGAG
CACGGCGCTGTTCAACGAGGGTCTGAGCTGCGGCGCGTGCTTCGAGCTCAAGTGC
GAGAACCAGCCCGGGTGGCGGTGGTGCCGCCCCGGGAGCCCCTCCATCCTGGTG
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GGTGCAACCCGCCACGCCCGCACTTCGACCTCGCCATGCCCATGTTCCTCCACAT
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TGATCACGAACGTGGCCGGCGCGGGTGACATCGTGCGCGCGAGCGTGAAGGCGT
CCAGCACCGGGTGGCTGACCATGTCCCGGAACTGGGGCCAGAACTGGCAGTCCA
ACGCCATCCTCGTCGGCCAGGCGCTCTCCTTCCGCGTCACCGGCAGCGATCGCCG
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GAGGGCAAGAACTTCAGGGTCTGA

Nucleotide

>SbrEXPA-01

AGCAGCTCACCGTCCCGGCATCAGCCGCTGAATCCGGGCAATCAATCGCGCATTC
CCCTCAAATCCTCCCCGGCCCGCGGCCTGCTCGGCTTCTCCTTTCACCGCGCGCTG
TGGGCCGGCATTGCCTAGTAGACGCGTAGACTACCCCCTCACAAGCAGAGGCCGC
GCCCTGGTCTGCCTCGTGCCTTCATAAATACGACCCCGCCCTTCGCCATTCCCAGT
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