

IDENTIFICATION

Species: *Sorghum bicolor* Rio

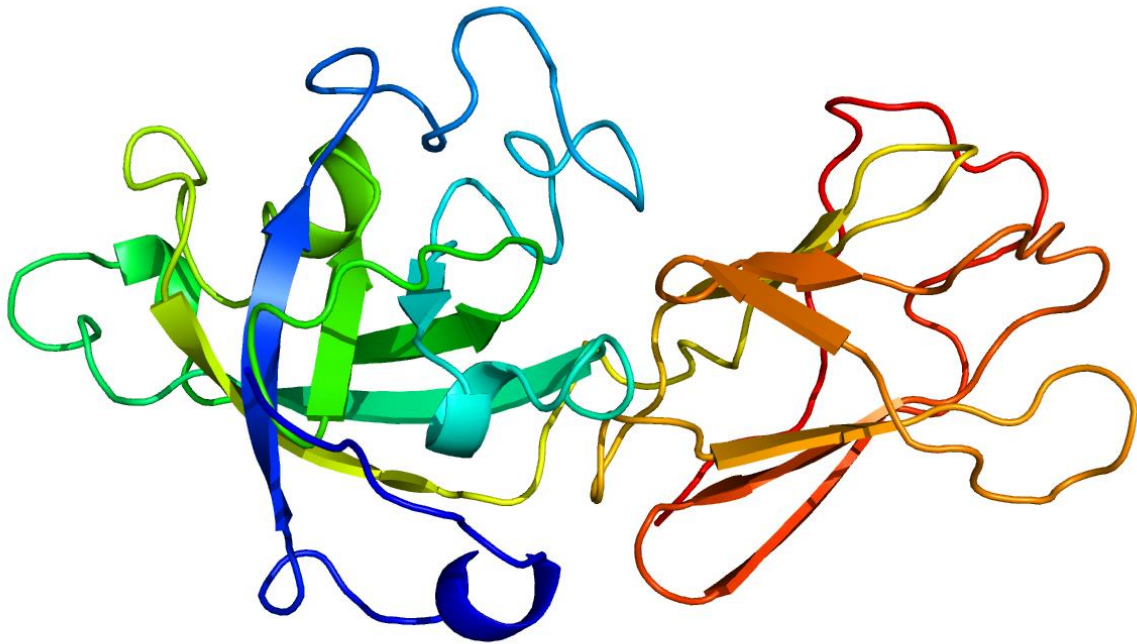
Locus: SbRio.03G477200

Gene Model: SbRio.03G477200.1.p

Description: SbrEXPA-15

Family: Alpha Expansin

3D structure:



GENOME DATABASES

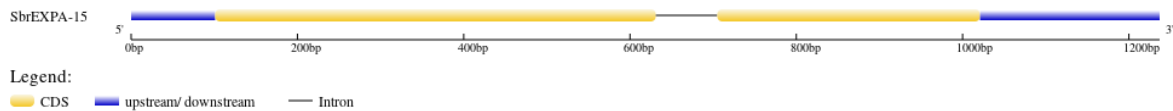
Phytozome: https://phytozome-next.jgi.doe.gov/info/SbicolorRio_v2_1

KEGG:-

EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE

Query seq. Superfamilies

PLN00050

Name	Accession	Description	Interval	E-value
PLN00050 super family	cl31535	expansin A: Provisional	34-274	3.47e-99

SEQUENCES

Peptide

>SbrEXPA-15

MPGCVSHPSSPRRLHPLLRRSSNNNNNDLLLAGIVILLLLARASAGPWQKSAHATMTM
YGGSDASGTMGGACGYGNLYIAGYGVATGALSTPLFNGLTCGACFEIKCSCRSGC
QCQCHPSVSSVVITATNFCPPNYGLPSDAGGWCNPPRHFDLSMPAFLRIADYRASIV
PVTYRRVACRKS GGIRFGVNGFRYFNLVLISNVGGAGDVVRAAVKASHTEWLPLAR
NWGQNWQCSSILVGGALSFRVTTSDRRTLTSWNVAGPAWRFGQTFTAANKFRDP*

CDS (coding sequence)

>SbrEXPA-15

ATGCCTGGCTGTGTTTCTCATCCCTCATCACCACGGCGGCTACATCCGCTCCTGCG
CCGCAGCAGCAACAACAACAATGATCTCCTGCTTGCCGGCATTGTCATCCTC
CTCCTTGCCCGGCATCAGCTGGGCCGTGGCAGAAGAGCGCGCACGCCACCATG
ACCATGTATGGTGGCAGCGACGCGTCGGGCACCATGGGCGGCGCCTGCGGGTAC
GGCAACCTCTACATCGCGGGGTACGGCGTGGCGACGGGGGCGCTCAGCACGCCG
CTCTTCAACAACGGACTCACCTGCGGCGCCTGCTTCGAGATCAAGTGCAGTTGCA
GGAGCGGCTGCCAGTGCCAGTGCCACCCCTCCGTGTCGTCGGTGGTGATCACGGC
CACCAACTTCTGCCCGCCAACTACGGGCTGCCCTCGGACGCCGGCGGGTGGTGC
AACCCGCCGCGCCACCACTTCGACCTCTCCATGCCGGCCTTCTCCGCATCGCAG
ACTACCGCGCCAGCATCGTGCCCGTACATAACGGAGGGTGGCGTGCCGCAAGTC
CGGCGGCATCCGGTTCGGCGTCAACGGCTTCCGCTACTTCAACCTGGTGCTCATC
AGCAACGTGGGCGGCGCCGGCGACGTGGTCCGCGCCCGCTCAAGGCCTCGCAC
ACGGAGTGGCTGCCCTGGCGCGCAACTGGGGACAGAACTGGCAGTGCAGCTCC
ATCCTCGTGGGCGGGGCGCTCTCCTTCCGCGTCACCACCAGCGACCGCCGCACCC
TCACCTCCTGGAACGTCGCCGGACCAGCCTGGCGCTTTGGACAGACATTCACCGC
CGCCAAAACCTTCAGGGACCCCTAG

Nucleotide

>SbrEXPA-15

CTGAGATGAGATGAGCTTGGCTTGTGTCCACGGTCCACGCCTCACCTCGATGACT
AGCTAGCATATATCGATGAGAAGACACAGACACAAGGAATGCAAAGATGCCTGG
CTGTGTTTCTCATCCCTCATCACCACGGCGGCTACATCCGCTCCTGCGCCGCAGCA
GCAACAACAACAACAATGATCTCCTGCTTGCCGGCATTGTCATCCTCCTCCTTGCC

CGGGCATCAGCTGGGCCGTGGCAGAAGAGCGCGCACGCCACCATGACCATGTAT
GGTGGCAGCGACGCGTCGGGCACCATGGGCGGCGCCTGCGGGTACGGCAACCTC
TACATCGCGGGGTACGGCGTGGCGACGGGGGCGCTCAGCACGCCGCTCTTCAAC
AACGGACTCACCTGCGGCGCCTGCTTCGAGATCAAGTGCAGTTGCAGGAGCGGCT
GCCAGTGCCAGTGCCACCCCTCCGTGTGTCGTCGGTGGTGATCACGGCCACCAACTT
CTGCCCGCCAACTACGGGCTGCCCTCGGACGCCGGCGGGTGGTGCAACCCGCCG
CGCCACCACTTCGACCTCTCCATGCCGGCCTTCCTCCGCATCGCAGACTACCGCGC
CAGCATCGTGCCCGTACATAACGGAGGTACAGTACAGTAGACAGACACCTCCA
GGCAGAGGCAGGCTTAATTAAGTGGTGTTCATTATATTATTGCAGGGTGGCGT
GCCGCAAGTCCGGCGGCATCCGGTTCGGCGTCAACGGCTTCCGCTACTTCAACCT
GGTGCTCATCAGCAACGTGGGCGGCGCCGGCGACGTGGTCCGCGCCGCCGTCAA
GGCCTCGCACACGGAGTGGCTGCCCTGGCGCGCAACTGGGGACAGAACTGGCA
GTGCAGCTCCATCCTCGTGGGCGGGGCGCTCTCCTTCCGCGTCACCACCAGCGAC
CGCCGCACCCTCACCTCCTGGAACGTCGCCGGACCAGCCTGGCGCTTTGGACAGA
CATTACCCGCCGCCAAAACTTCAGGGACCCCTAGGCTCCTCTAGCTAGCATAGC
AGCCTGCTGCATCAGCACACTAGCTAGTCATCCATGCATCATCATCATTATAT
AATTGCACTGCCCGTGCTATATATATGTATATGTACCGTACCCATATAAATTAGCT
TGTTGGTTGGTTCTGCTTTTGTGTTAATAATCAAATGCAAATCATATTTAGAGGAA
GGAAAAAGGCTTAGCCAACATATCAAAA