

IDENTIFICATION

Species: *Sorghum bicolor* Rio

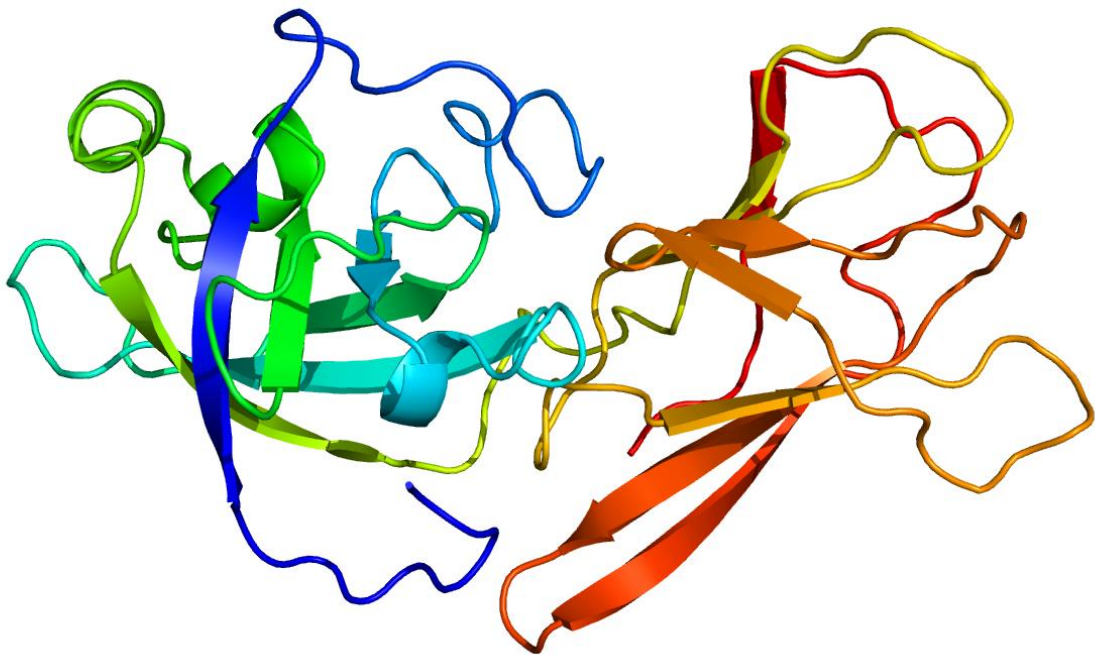
Locus: SbRio.01G333700

Gene Model: SbRio.01G333700.1.p

Description: SbrEXLA-01

Family: Expansin Like Alpha

3D structure:



GENOME DATABASES

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

KEGG:-

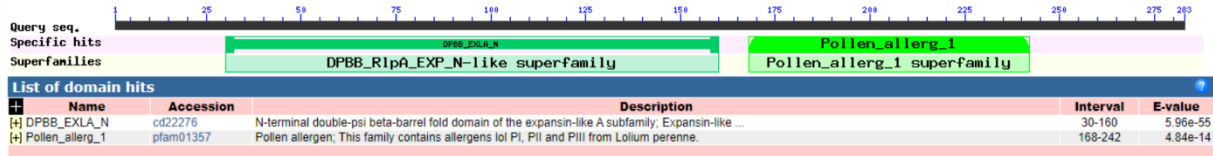
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SbrEXLA-01

MAVVTRGAASLPLVLLLPLVLLVFFFAAPSPANGCDRCVRRSKATYQASSLALNAGS
 CGYGSAAASFNGGFLAAASPELYRGGVACGACYQVRCRDSELCSAAGAKVVVTDQ
 ARTSSNRTGLVLSAAAYAAMATAGAGKAARLRDRRVVDVEYKRIPEYAKDRNLSI
 RVEEKSRRPDSLIRFLYQGGQTDIVAVDVATVGSSNWRFMTRGHGPAWSTAQAPA
 GPLQLRLVVTGGYDGKVVWAESEVLPRRWEAGR VYDTGVQVSDVAQEGCYP CDT
 HQWQ*

CDS (coding sequence)

>SbrEXLA-01

ATGGCTGTCGTCACCAGAGGCGCCGCGTCCCTGCCCTCGTCTTGCTGCTCCCAGT
 CCTAGTCGTCGTCTTCTTCTTCGCGGCGCCGTCGCCGGCCAACGGCTGCGACCGCT
 GCGTGCGCCGGTCCAAGGCCACCTACCAGGCTTCGTCGCTAGCCCTCAACGCCGG
 TTCGTGCGGGTACGGCTCCCTCGCCGCGTCCTTCAACGGCGGCTTCCCTCGCCGCC
 CCAGCCCCGAGCTCTACAGGGGCGGCGTTCGCTGCGGTGCCTGCTACCAGGTGCG
 GTGCAGGGACAGCGAGCTGTGCAGCGCGGGCGGCGGAAGGTGGTGGTGACGGA
 CCAGGCGCGGACGTCGTCGAACCGCACGGGCTGGTGTGAGCGCCGCGGGCGTA
 CGCGGCCATGGCCACCGCCGGCGCCGGCAAGGCCGCGCGCCTCAGGGACCGCCG
 CGTCGTCGACGTCGAGTACAAGAGGATAACCCTGCGAGTACGCCAAGGACCGCAA
 CCTGTGCGATACGCGTGGAGGAGAAGAGCCGGCCGCCGAGCGACCTCTCCATCAG
 GTTCTGTACCAGGGCGGCCAGACCGACATCGTCGCCGTCGACGTCGCCACCGTC
 GGGTCGTCCAACCTGGCGGTTTCATGACGCGGGGCCACGGGCCGGCGTGGAGCACG
 GCGCAGGCGCCGGCGGGGCCGCTGCAGCTGCGGCTGGTGGTGACCGGCGGGTAC
 GACGGCAAGTGGGTGTGGGCGGAGTCGGAGGTGCTGCCGCGACGGTGGGAGGCC
 GGCCGCGTCTACGACACCGGGGTGCAGGTATCCGACGTCGCGCAGGAAGGGTGC
 TACCCCTGCGACACGCACCAGTGGCAGTAA

Nucleotide

>SbrEXLA-01

AATTCCAGCAAGCGCCGTCAGCTGCCATATATTCAATCATTTCCATATAAAAATG
 CAGTGCTACTCCAATCTGGCTACCCAGGAAATCGAATGCTACCAAAAAAGCAGC

AGGATTACATCGATAATGAACGGCATTAGTTACTATCCATCAGCACCACCAGGC
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CCTGTGTCCCAGAAGCCTCTCTCGCTATATCCGTCCCACGGCGCCGTGCTTCGCTG
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CTTCTTCTTCGCGGGCGCCGTGCGCCGGCCAACGGCTGCGACCGCTGCGTGCGCCGG
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GAGCGCACGATGCGTGTGCTGTGTGCATGATGGATGAATGGCTTTTGGTTCGTC
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GAAAGTCTATTTTTCTTATGAACTTCAAAATCAGATAAATTATCTCTCTTAACTT
TTAAAA