

IDENTIFICATION

Species: *Sorghum bicolor* Rio

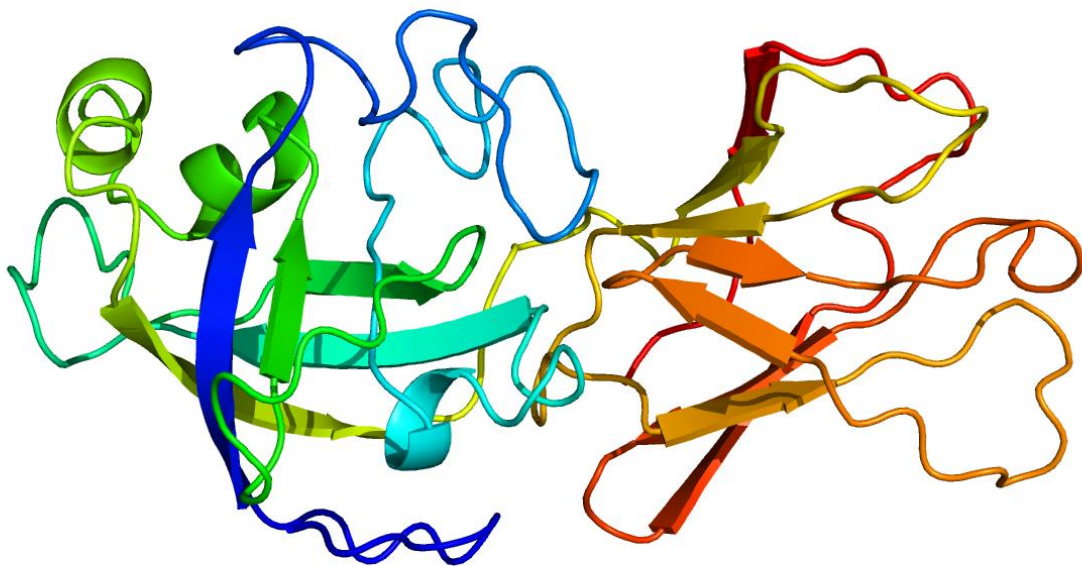
Locus: SbRio.01G579200

Gene Model: SbRio.01G579200.2.p

Description: SbrEXPB-24

Family: Beta Expansin

3D structure:



GENOME DATABASES

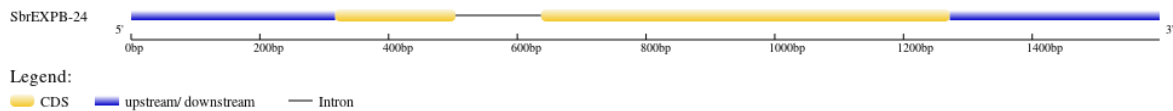
Phytozome: https://phytozome-next.jgi.doe.gov/info/SbicolorRio_v2_1

KEGG:-

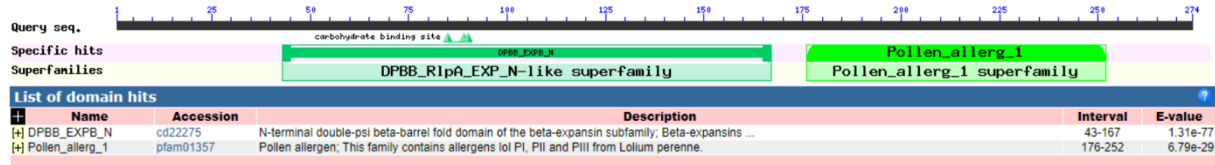
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SbrEXPB-24

MGSLSSLSCLLVAARAAAVSLLLAYCAAAAVNYNTSDAAALQWGNARATWYGQP
NGAGPYDNGGACGFKKVNQYPFMAMTSCGNQPLYRDGKGCSCYKIRCSSSKHAA
CSGRTEVITDMNYTPGVAPYHFDLSGTAFGKLAKPGRNDELRRAGIIDIQFTRVPC
EFPGLKVGHFVVEEGSSQVYFAVLVEYENGDDVQVQVLDLMEKSSRRWTPMRHSWG
SIWRLDSNHRLQPPFSIRTRSDSGKTLVARDVIPLNWRPNTFYRSIVQYSS*

CDS (coding sequence)

>SbrEXPB-24

ATGGGGTCCCTGTCCTCGCTCTCCTGCCTGCTAGTGGCGGCAAGGGCCGCCGCCG
TCTCCCTCCTGCTGGCCTATTGCGCCGCCGCCCGCGTGA ACTACAACACGAGCGA
TGCCGCCGCCTTGCAGTGGGGCAACGCCAGGGCCACCTGGTACGGCCAGCCCAA
CGGTGCCGGGCCCTACGACAACGGCGGCGCTTGCGGGTTCAAGAAGGTGAACCA
GTACCCGTTTCATGGCCATGACCTCGTGCGGCAACCAGCCGCTGTACCGCGACGGC
AAAGGCTGCGGTTCTGCTACAAGATCAGGTGCTCCAGCTCCAAGCACGCCGCCT
GCTCCGGCCGCACCGAGACGGTGGTGATCACGGACATGAACTACACCCCGGGCG
TGGCGCCCTACCACTTCGACCTCAGCGGCACCGCCTTCGGCAAGCTGGCCAAGCC
CGGCCGCAACGACGAGCTCCGCCGCGCGGGGATCATCGACATCCAGTTCACCAG
GGTGCCTTGCAGTTCCCGGGCCTCAAGGTTCGGCTTCCATGTTCGAGGAGGGCTCC
AGCCAGGTCTACTTCGCCGTGCTGGTTCGAGTACGAGAACGGAGACGGCGACGTC
GTGCAGGTGGACCTCATGGAGAAGGGCAGCAGCCGCCGGTGGACGCCCATGCGC
CACTCCTGGGGATCCATCTGGCGCCTCGACTCCAACCACCGCCTGCAGCCGCCCT
TCTCCATCCGCACCCGAAGCGACTCCGGCAAGACGCTCGTCGCACGCGACGTCAT
CCCACTCAACTGGAGGCCAAACACATTCTACAGATCAATCGTCCAGTACTCGTTCG
TGA

Nucleotide

>SbrEXPB-24

GGGTGGGGTGGGGTGGGGTGGGCAGGGAGATGCGCCGCCAAACCCCAACATGGC
AGTGGCAGTGGCAGGCATGTGTGTAGCAATGCATGCAATGCAAAAAACAAACA

CACCACACTGCTGCATGCCATTGCCTGCCTTCCTTCCTTTAGCTAGCTTGCATTAT
ATACTGGATGGATGGATGGAGGAGGAGTATGTATTGTCTAGCTAGTACCTCGATC
GAGCCCTTGCGTTTCAATTCAATTCATCTCTCCCTTGCTTGGCAGGAGTAGGTAGT
TGGATCGGAGCAGAGCAAAGAAAGGCCGGCCGGGCATAGTTTAATGGGGTCCCTG
TCCTCGCTCTCCTGCCTGCTAGTGGCGGCAAGGGCCGCCGCCGTCTCCCTCCTGCT
GGCCTATTGCGCCGCCGCCGCCGTGAACTACAACACGAGCGATGCCGCCGCCTTG
CAGTGGGGCAACGCCAGGGCCACCTGGTACGGCCAGCCCAACGGTGCCGGGGCC
TACGACAACGGTATGTATGTATGTATGTATGTATGTATGTGTACTGTCGTATATAT
TATGATCTGTATGCGTGCATTTGTTGGTTGATCGATGGCTCACCGTCACCGGACCG
CCATGGCTGCTGCTGCTCCATATATATGCAGGCCGGCGCTTGCGGGTTCAAGAAGG
TGAACCAGTACCCGTTTCATGGCCATGACCTCGTGCGGCAACCAGCCGCTGTACCG
CGACGGCAAAGGCTGCGGTTCCCTGCTACAAGATCAGGTGCTCCAGCTCCAAGCAC
GCCGCCTGCTCCGGCCGCACCCGAGACGGTGGTATCACGGACATGAACTACACCC
CGGGCGTGGCGCCCTACCACTTCGACCTCAGCGGCACCCGCTTCGGCAAGCTGGC
CAAGCCCGGCCGCAACGACGAGCTCCGCCGCGCGGGGATCATCGACATCCAGTT
CACCAGGGTGCCCTGCGAGTTCCCGGGCCTCAAGGTCGGCTTCCATGTCGAGGAG
GGCTCCAGCCAGGTCTACTTCGCCGTGCTGGTTCGAGTACGAGAACGGAGACGGC
GACGTCGTGCAGGTGGACCTCATGGAGAAGGGCAGCAGCCGCCGGTGGACGCCC
ATGCGCCACTCCTGGGGATCCATCTGGCGCCTCGACTCCAACCACCGCCTGCAGC
CGCCCTTCTCCATCCGCACCCGAAGCGACTCCGGCAAGACGCTCGTCGCACGCGA
CGTCATCCCACTCAACTGGAGGCCAAACACATTCTACAGATCAATCGTCCAGTAC
TCGTCGTGAAACTCATCCATCCATCATTTGGCATTAAATTTGCTGCTCATTAGTTC
ATATCTCTCTCTCGAGTCTCGATCGATCGATAACTATGAGTATTGATGAGCAATA
AGCTGTATTATCTGTCTTACACATATGAATGTACATGTGTCTTCATTCCATCTTTGT
TTCAACATAATAAAAATTAATTTTGATTTGGTAAACTTGAAAACATAATATTA
TTGTACACCCTGTTTATTTGGATTTACTAGCTAAGGTTAGTATTGCTAACTACTAC
TGTATTGTTAGCATCTACTATATACTGTACTGCTGCTAGTAATACCTTATTAGG