

IDENTIFICATION

Species: *Sorghum bicolor* Rio

Locus: SbRio.01G324700

Gene Model: SbRio.01G324700.1.p

Description: SbrEXPB-10

Family: Beta Expansin

3D structure:



GENOME DATABASES

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

KEGG:-

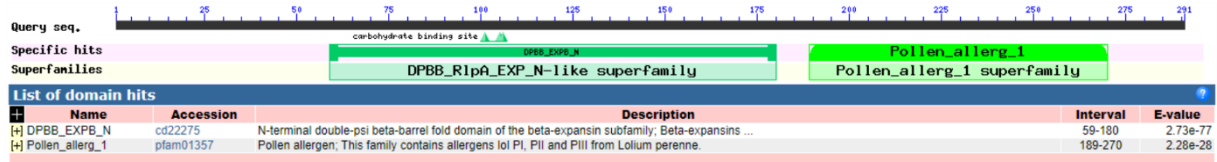
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SbrEXPB-10

MGFPSSSLPAAAAAALVLLALLAGGGECREAQFDATDAAGAGAENFNTSDAAVY
WGPWQKARATWYGQPNGAGPDDNGGACGFKHTNQYPFMSMGSCGNQPLFKD GK
GCGSCYKIRCTKDRSCSGRAETVIITDMNYYPVSKYHFDLSGTAFGRLAKPGLNDKL
RHSGIIDIEFTRVPCEFPGLKIGFHVEEYSNPVYFAVLVEYEDGDGDVVQVDLMESKT
AHGPPTGRWTPMRESWGSIW RMDTNHRMQPPFSIRIRNESGKTLVARNVIPANWRPN
TFYRSFVQYQ*

CDS (coding sequence)

>SbrEXPB-10

ATGGGCTTCCCTTCTTCCCTCCCTCCCCGCCGCCGCCGCCGGCGGGCGGCGCTCGTGCT
CCTGGCCCTGCTCGCCGGAGGAGGCGAGTGCCGCGAGGCCAGTTCGACGCGAC
GGACGCGGCCGGCGCCGGCGCGGAGA ACTTCAACACCAGCGACGCCCGCGTGTA
CTGGGGCCCCTGGCAGAAGGCCCGGGCCACCTGGTACGGCCAGCCCAACGGCGC
CGCCCCGACGACAACGGTGGCGCGTGCGGCTTCAAGCACACCAACCAGTACCC
ATTCATGTCCATGGGGTCCCTGCGGCAACCAGCCATTGTTCAAGGACGGCAAGGGC
TGCGGCTCCTGCTACAAGATTCGGTGCACCAAGGACAGATCCTGCTCCGGGCGGG
CGGAGACGGTGATCATCACGGACATGAACTACTACCCGGTGTCCAAGTACCACTT
CGACCTCAGCGGCACGGCGTTCGGCAGGCTGGCCAAGCCCGGCCTCAACGACAA
GCTCCGCCACTCCGGCATCATCGACATCGAGTTCACCAGGGTGCCGTGCGAGTTC
CCTGGGCTGAAGATCGGTTTCCACGTGGAGGAGTACTCGAACCCCGTCTACTTCG
CGGTGCTGGTGGAGTACGAGGACGGCGACGGCGACGTGGTGCAGGTGGACCTCA
TGGAGTCCAAGACGGCGCACGGGCCCCCGACGGGGCGGTGGACGCCGATGCGCG
AGTCTGGGGATCCATCTGGCGGATGGACACCAACCACCGCATGCAGCCGCCCTT
CTCCATCCGCATCCGCAACGAGTCCGGCAAGACGCTCGTCGCCAGAAACGTCATC
CCGGCCAACTGGAGGCCCAACACTTTCTACCGCTCCTTCGTCCAGTACCAGTAG

Nucleotide

>SbrEXPB-10

GCTGCTGTGCTGAGCAAGGGGAGGTCCGGGCTAGGACGGCTGCGAGGCCCCGGC
TCGGTCGACTGATGAGCCCAGGCCAGGCCATGTGCGCCCCAACATGGCACGTTCC
TCCCTCGCTCCTCTGCTCCTAAACTGCGTACACACACAGAGAGAGAGAGAGAC
ACCACTCTCCCTCCCCGCTCGCTAGCGTGCCGGTGTCTCATCTGGCCATCGGGCTTA
TAAATAGGCCACACGGCACCCAGGCCACCACCACCACCACTTCTCGCACTCCA
CTACTCACAGTCACCGCCGCTGCCGCCACTGATTGTAGCTAGAGAGAGAGAGAG
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CGCCGCCGCGCGGGCGGCGCTCGTGCTCCTGGCCCTGCTCGCCGGAGGAGGC
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GCCACCTGGTACGGCCAGCCCAACGGCGCCGGCCCCGACGACAACGGTGAGCGC
ATCCATCGGCATTCACTCCAGATCTTCCCTCTTCCCCTCGCGCCGGCCTCTTCT
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CTTGCTTTGCCTAGGTGGCGCGTGCGGCTTCAAGCACACCAACCAGTACCCATTC
ATGTCCATGGGGTCCCTGCGGCAACCAGCCATTGTTCAAGGACGGCAAGGGCTGCG
GCTCCTGCTACAAGGTACTACTACTCTACAGTTAAACACAACAGCTAGCATGGAG
TTTTTACCGACACCTCTCTCTATCTGAAGCATAACAATTATTTTTATACTATAATAG
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AAATATAATACTCTCCACTAGCAGTAGTAGTAAGTGTAGAGTAGGACGCTACCC
GTACAGTCCAGGCCAGGCCGGTCCCTCGGAGCAGCACAGCCGGTGGTGGCTGTAT
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TCACTGTACATTTGACTCCTGCTTGATCTCGTATCTCGTACGTAGTATGGTAGTAG
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GGCGACGTGGTGCAGGTGGACCTCATGGAGTCCAAGACGGCGCACGGGCCCCCG
ACGGGGCGGTGGACGCCGATGCGCGAGTCCTGGGGATCCATCTGGCGGATGGAC
ACCAACCACCGCATGCAGCCGCCCTTCTCCATCCGCATCCGCAACGAGTCCGGCA
AGACGCTCGTCGCCAGAAACGTCATCCCGGCCAACTGGAGGCCCAACACTTTCTA
CCGCTCCTTCGTCCAGTACCAGTAGTAGCACGTACGTACCTGATTGATTGATTGAT
TGGATCCCAGCCCAGCCCAGCCCAGCCCGCAATTGGAGTGGAAATCCGGCTCGGCT
CGGTTCCGGTCATCATCATCACTACGTACGTACTATACGCTACTACCAATAGACGA
CTACTACTGCTACCAAGTACGGCGAAACGGAAACGGCTAGTCGTTGTGTCTCTGGT
CATCGTGTGCTTGCAGTT