

IDENTIFICATION

Species: *Sorghum bicolor*

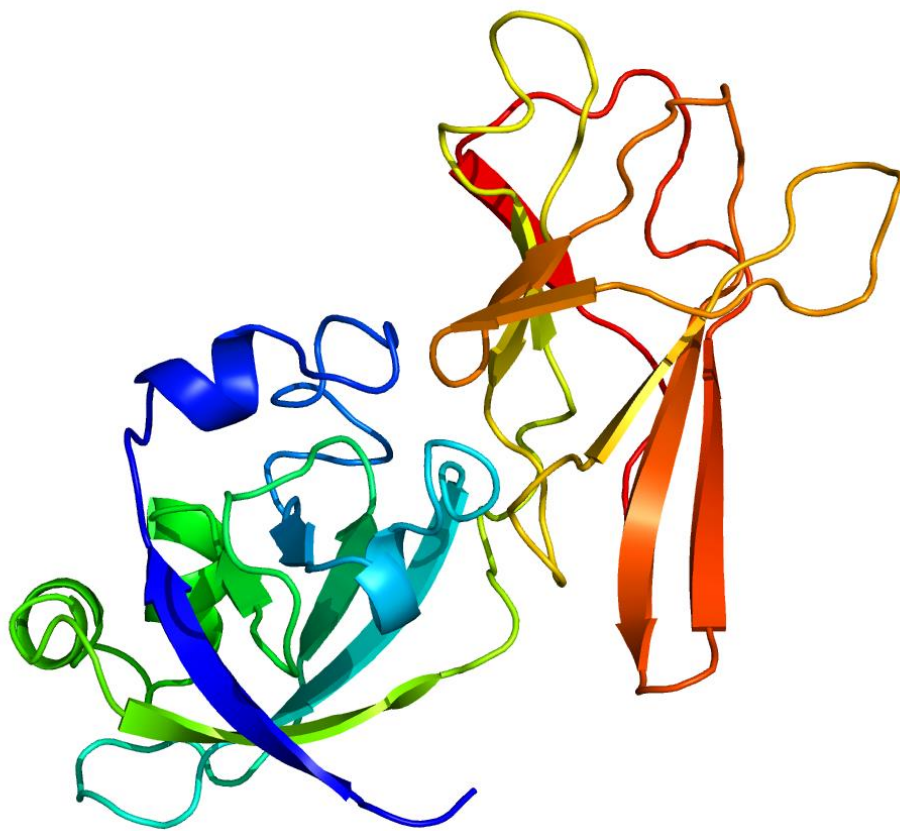
Locus: Sobic.001G516500

Gene Model: Sobic.001G516500.1.p

Description: SbEXLA-02

Family: Expansin Like Alpha

3D structure:



GENOME DATABASES

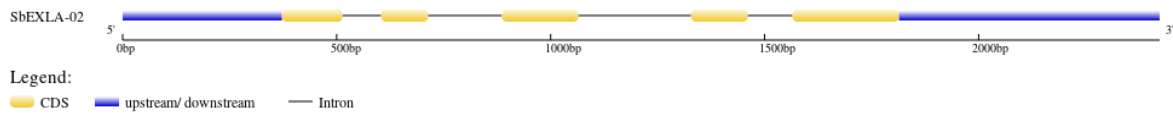
Phytozome: https://phytozome-next.jgi.doe.gov/info/Sbicolor_v3_1_1

KEGG: <https://www.genome.jp/entry/T01086>

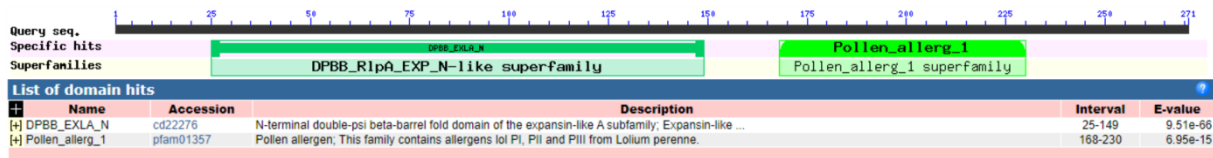
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SbEXLA-02

MAVLTAASTTLPLLLLVLWLPLLASACDRCVHRSKAAYYTSSLTLAGGSCGYGTE
 AAFSAGFLAAASPALYRAGVGCACFQVRCKDKKLC AAAGARVVVTDRARTNRT
 DLVLSSTAFAMARPGVAKRLAALRTVDVEYKRVPC EYKHRNLSVRVEDKSRAPGD
 LAIRFLYQGGQTDIVAVDVAQVGSSNWKFMTRDNGPAWSTSQAPPGPLQLRVVVTG
 GYDGKWVWADREVLPRRWRAGEVYDTGVQITDIAQEGCFPCDTHEWE*

CDS (coding sequence)

>SbEXLA-02

ATGGCCGTCCTCACCGCCGCTCCACCACGCTCCCGCTGCTGCTCCTCGTCTGGCT
 ATGGCTCCCGCTCCTCGCGTCCGCCTGCGACCGCTGCGTGCGCCACTCCAAGGCC
 GCCTACTACACCTCCTCGCTCACCTCGCCGGTGGCTCCTGCGGGTACGGCACCG
 AGGCCGCTCCTTCAGCGCCGGCTTCTCGCCGCCGCCAGCCCCGCGCTGTACCG
 CGCCGGCGTTCGGCTGCGGCGCCTGCTTCCAGGTGCGGTGCAAGGACAAGAAGCT
 CTGCGCCGCGGCGGGCGCCAGGGTGGTGGTCACGGACCGCGCCAGGACCAACCG
 CACCGACCTCGTGCTCAGCAGCACCGCGTTCGCGGCCATGGCGCGCCCCGGCGTG
 GCCAAACGTCTCGCCGCCCTCCGCACCGTCGACGTCGAGTACAAAAGGGTGCCGT
 GCGAGTACAAGCACAGGAACCTGTCGGTGAGGGTGGAGGACAAGAGCCGCGCTC
 CGGGCGACCTCGCCATCAGGTTCTTACCAGGGCGGCCAGACCGACATCGTCGC
 CGTCGACGTCGCGCAGGTGGGTTCTGTCCTCAACTGGAAGTTCATGACGCGGACAAC
 GGGCCGGCGTGAGACACGAGCCAGGCGCCGCGGGGCGCTCCAGCTCAGGGTG
 GTGGTGACGGGCGGCTACGACGGCAAGTGGGTGTGGGCGACCGCGAGGTGCTG
 CCGCGGCGGTGGCGCGCCGGCGAGGTCTACGACACGGGCGTCCAGATCACTGAC
 ATCGCCAGGAGGGCTGCTTCCCCTGCGACACGCACGAGTGGGAGTGA

Nucleotide

>SbEXLA-02

CACGCGAATGGCATGATGTACACCTCGCTCCTACTCGCGCCCGTCGACGTCACGT
 AGTATCCCGTCCCTGTCGCTCTCATCTACTAGTGTGGCGGCAAAACGCTAGTCACT
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CTCGACTGTAGTAATAATTGATATCATAATACAGTTGGGAGGGACACACCGGTTG
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