

IDENTIFICATION

Species: *Spirodela polyrhiza*

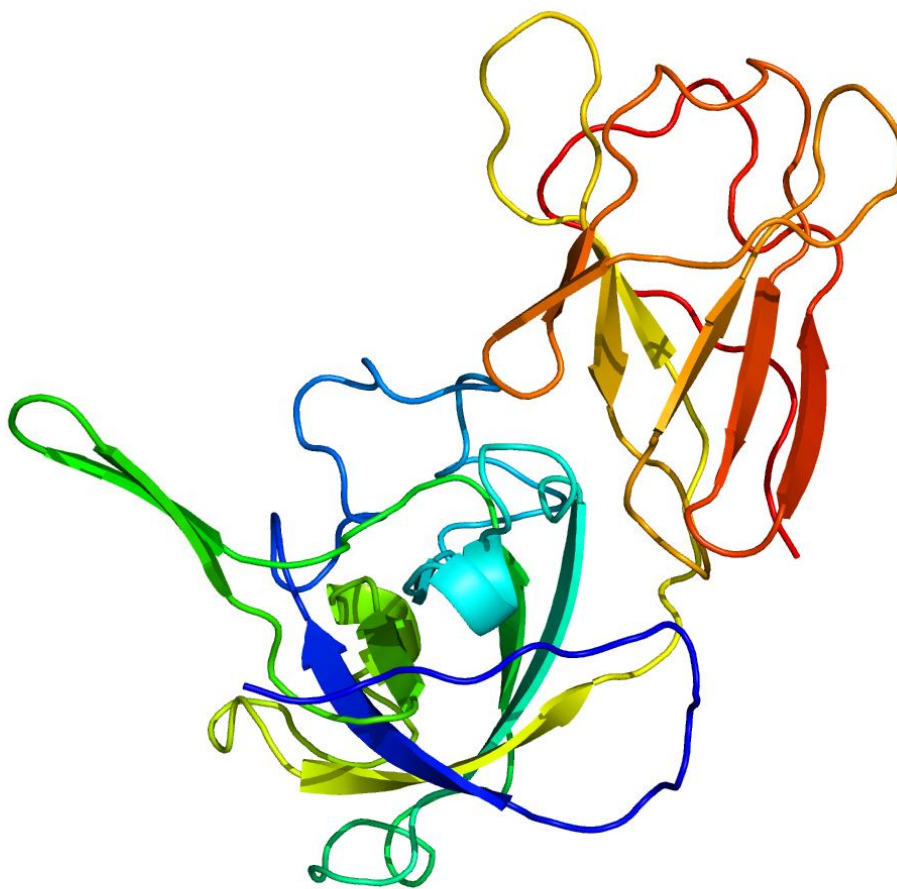
Locus: Spipo17G0044900

Gene Model: Spipo17G0044900

Description: SpEXPA-03

Family: Alpha Expansin

3D structure:



GENOME DATABASES

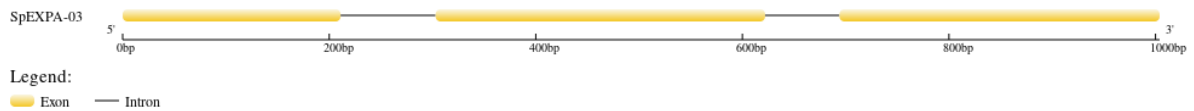
Phytozome: https://phytozome-next.jgi.doe.gov/info/Spolyrhiza_v2

KEGG:-

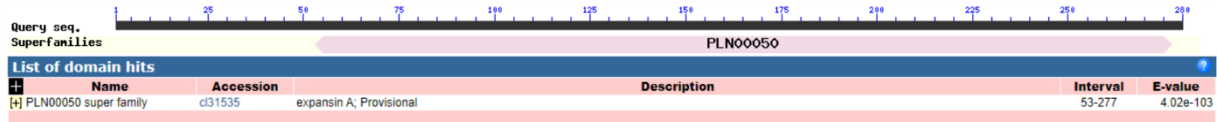
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SpEXPA-03

MALRLLPILLAALLLAPPAEAGSWYHHRAIQHRRGRARVRPRHNHGKFSRWSLA
HATFYGGSDGSETTAGACGYEDTVSQGYLHTAALSSALFADGLTCGACYEIKCVN
DPQWCKPGNPSVFVSGTNNCPNYALASDNGGWCNPPRSHFDLSQPAFLQIAQYQA
GIVPVA YRRVPCKKQGGIRFTITGNPYFNLVLVWNVAGAGDVHGVQVKGNRLGWT
TMSRNWGQLWQTNAQLVGQSLTFRVTSDGRRSTSWHVAPRDWQFGQTFEGKNFR
T*

CDS (coding sequence)

>SpEXPA-03

ATGGCGTTGCGCCTCCTCCCCATCCTCCTGGCCGCGCTGCTGCTGGCGCCGCCGGC
CGCAGAAGGCAGCTGGTACCACCACCGCGCCATCCAGCACCGGCGTGGCCGCGC
GCGCGTCCGCCC GCGGCACAACCACGGCAAGTTCAGCCCCGGCAGGTGGAGCCT
CGCCCACGCCACCTTCTACGGCGGCAGCGACGGCAGCGAGACGACCGCGGGGGC
TTGCGGCTACGAGGACACGGTCAGCCAGGGGTACGGCCTGCACACGGCGGCGCT
GAGCTCCGCCCTGTTCCGCCACGGCCTAACCTGCGGCGCCTGCTACGAGATTAAG
TGCGTCAACGACCCGCAAGTGGTGAAGCCCGGCAACCCCTCCGTCTTCGTCAGCG
GCACCAACAACACTGTCCCCGAACTACGCCCTCGCCAGCGACAACGGCGGCTGGTG
CAATCCCCCGCTCCCACTTCGACCTCTCCAGCCCGCCTTCCTCCAGATCGCGC
AGTACCAGGCTGGTATCGTCCCCGTCGCCTACCGCAGGGTCCCATGCAAGAAGCA
GGGAGGGATCCGGTTCACCATCACGGGGAACCCCTACTTCAACCTGGTGCTGGTG
TGGAACGTCGCCGGCGCCGGCGACGTCCACGGCGTGCAGGTAAAGGGGAACAGA
CTGGGGTGGACGACGATGTCCCGCAACTGGGGCCAGCTCTGGCAGACCAACGCG
CAGCTCGTCGGCCAGTCCCTCACCTTCAGGGTACCACCAGCGACGGTCGCCGCT
CCACCTCCTGGCACGTCCGCCCCCGGACTGGCAGTTCGGCCAGACCTTCGAGGG
CAAGA ACTTCCGCACCTGA

Nucleotide

>SpEXPA-03

ATGGCGTTGCGCCTCCTCCCCATCCTCCTGGCCGCGCTGCTGCTGGCGCCGCCGGC
CGCAGAAGGCAGCTGGTACCACCACCGCGCCATCCAGCACCGGCGTGGCCGCGC
GCGCGTCCGCCC GCGGCACAACCACGGCAAGTTCAGCCCCGGCAGGTGGAGCCT

CGCCCACGCCACCTTCTACGGCGGCAGCGACGGCAGCGAGACGACCGGTATGAC
CACCCACCCCGCATAGAGAAAGAAAAGAAGCCTCCTTCCATCCTTCCGGCGAGG
GAATGAACAGCGGCCGGCGTTGGTGCCGCAGCGGGGGCTTGCGGCTACGAGGAC
ACGGTCAGCCAGGGGTACGGCCTGCACACGGCGGCGCTGAGCTCCGCCCTGTTCC
CCGACGGCCTAACCTGCGGGCGCCTGCTACGAGATTAAGTGCGTCAACGACCCGCA
GTGGTGCAAGCCCGGCAACCCCTCCGTCTTCGTCAGCGGCACCAACAACCTGTCCC
CCGAACTACGCCCTCGCCAGCGACAACGGCGGCTGGTGCAATCCCCCCCGCTCCC
ACTTCGACCTCTCCAGCCCGCCTTCCTCCAGATCGCGCAGTACCAGGCTGGTATC
GTCCCCGTGCGCTACCGCAGGTAGGTCCCCCCCCTCTCCACCCCCAGCATCCTCTCC
GGACAAGGTGAAACTCAGCTGACTTGTCCGTCGCAGGGTCCCATGCAAGAAGCA
GGGAGGGATCCGGTTCACCATCACGGGGAACCCCTACTTCAACCTGGTGCTGGTG
TGGAACGTCGCCGGCGCCGGCGACGTCCACGGCGTGCAGGTAAAGGGGAACAGA
CTGGGGTGGACGACGATGTCCCGCAACTGGGGCCAGCTCTGGCAGACCAACGCG
CAGCTCGTCGGCCAGTCCCTCACCTTCAGGGTCACCACCAGCGACGGTCGCCGCT
CCACCTCCTGGCACGTCGCCCCCCGCGACTGGCAGTTCGGCCAGACCTTCGAGGG
CAAGAACTTCCGCACCTGA