

IDENTIFICATION

Species: *Spirodela polyrhiza*

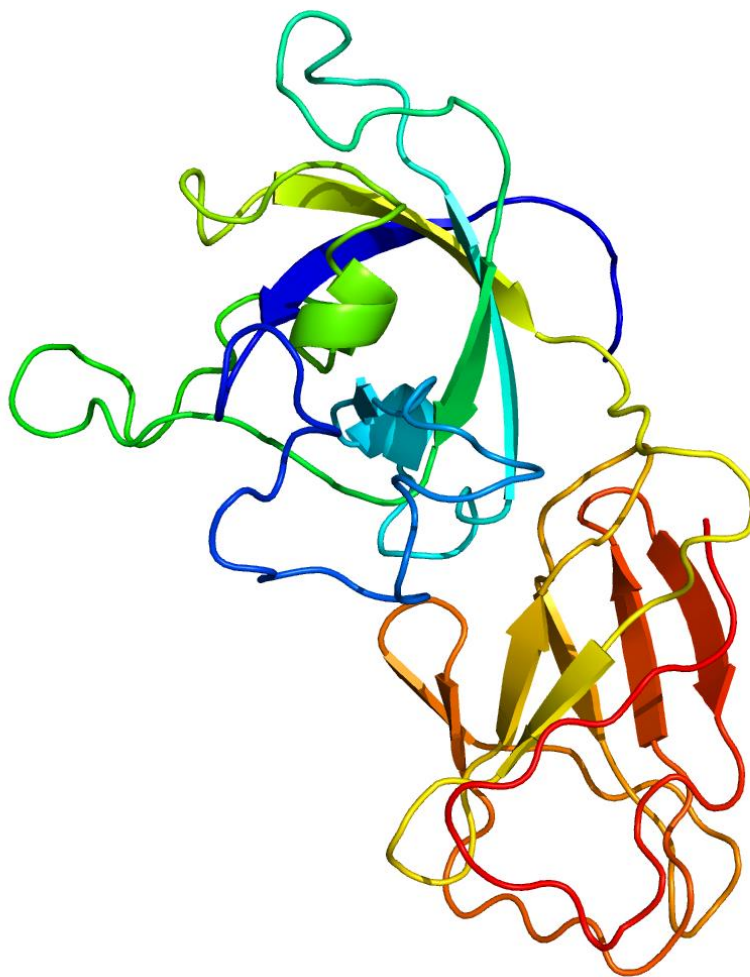
Locus: Spipo23G0016200

Gene Model: Spipo23G0016200

Description: SpEXPA-07

Family: Alpha Expansin

3D structure:



GENOME DATABASES

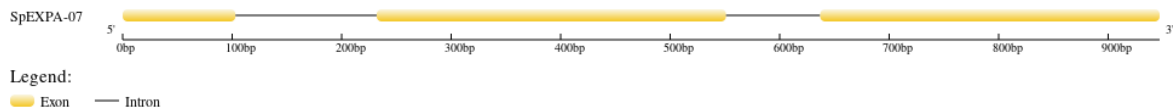
Phytozome: https://phytozome-next.jgi.doe.gov/info/Spolyrhiza_v2

KEGG:-

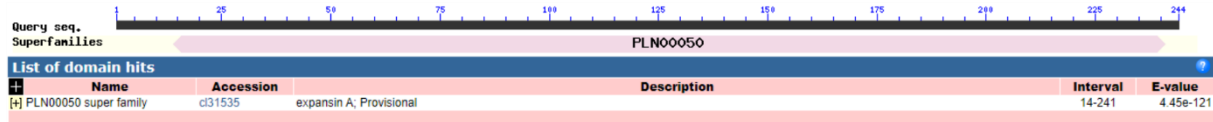
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SpEXPA-07

MASAHARIPGVYSGGPWQSAHATFYGGSDASGTMGGACGYGNLYSQGYGVETAAL
STALFNDGLSCGSCFEIKCADDPRWCHSGSPSIFITATNFCPPNLALPSDNGGWCNPPR
PHFDLAMPFLKIAEYRAGIVPVA YRRVPCRRAGGIRFTINGFKYFNLVLTNVAGAG
DVLRVSVKGSKTGWMPMSRNWQNWQSNVAVLVGQSFVVTGSDHRTSTSWNVAP
ADWKFGQTFSGKNFAA*

CDS (coding sequence)

>SpEXPA-07

ATGGCCTCTGCCACGCCCGCATTCCCGGAGTGTACTCCGGCGGGCCCTGGCAGA
GCGCCCACGCTACCTTCTACGGCGGCAGCGACGCCTCCGGCACCATGGGGGGGG
CATGCGGGTACGGCAACCTGTACAGCCAGGGCTACGGCGTGGAGACGGCGGCGC
TGAGCACGGCCCTCTTCAACGACGGGCTGAGCTGCGGGTCTTGCTTCGAGATCAA
GTGCGCCGACGATCCCCGTTGGTGTCACAGCGGAAGCCCCTCCATCTTCATCACC
GCCACCAACTTCTGCCCCCGAACCTCGCCCTCCCTCCGACAATGGCGGGCTGGT
GCAACCCGCCCGCCCCACTTCGACCTCGCCATGCCATGTTCTCAAGATCGC
CGAGTACCGCGCCGGCATTGTCCCCGTGCGGTACCGCAGGGTGCCGTGCCGGAGG
GCCGGCGGAATCAGGTTCAACATCAACGGCTTCAAGTACTTCAACCTAGTGCTCA
TCACGAACGTCGCCGGCGCCGGCGACGTGCTCCGGGTGAGCGTGAAGGGCTCCA
AGACCGGATGGATGCCGATGAGCCGCAACTGGGGGCAGAACTGGCAGTCCAACG
CCGTCTCGTGGGGCAGTCCATCTCCTCCGCGTACCGGCAGCGACCACCGCAC
CTCCACCTCCTGGAACGTCGCCCGCCGACTGGAAGTTCGGCCAGACCTTCTCC
GGCAAGAACTTCGCCGCTGA

Nucleotide

>SpEXPA-07

ATGGCCTCTGCCACGCCCGCATTCCCGGAGTGTACTCCGGCGGGCCCTGGCAGA
GCGCCCACGCTACCTTCTACGGCGGCAGCGACGCCTCCGGCACCATGGGTAGCTC
TCCTCGCCTTCCCTTCTTCGTGCCGACTCCTCCTTTCCTCCACATTGTCGGCGAAA
GTTACCGAGAATCGCTCCACATTGATGGGTTGATCTCTTGGCTCTGGTTCTTT
GGTTCTCCAGGGGGGGCATGCGGGTACGGCAACCTGTACAGCCAGGGCTACGGC
GTGGAGACGGCGGCGCTGAGCACGGCCCTTTCACACGACGGGCTGAGCTGCGGG

TCTTGCTTCGAGATCAAGTGCGCCGACGATCCCCGTTGGTGTACACAGCGGAAGCC
CCTCCATCTTCATCACCGCCACCAACTTCTGCCCCCCGAACCTCGCCCTCCCCTCC
GACAATGGCGGCTGGTGCAACCCGCCCGCCCCACTTCGACCTCGCCATGCCCA
TGTTCCCTCAAGATCGCCGAGTACCGCGCCGGCATTGTCCCCGTCGCGTACCGCAG
GTCTGTCCCATGTCCATCATCGTCTCCCGAAGGAGAGCGCTCTCGGTTTGACTTGA
ATGAGCTTCTGTGATGTGGCGGCGGTGCAGGGTGCCGTGCCGGAGGGCCGGCGG
AATCAGGTTACCATCAACGGCTTCAAGTACTTCAACCTAGTGCTCATCACGAAC
GTCGCCGGCGCCGGCGACGTGCTCCGGGTGAGCGTGAAGGGCTCCAAGACCGGA
TGGATGCCGATGAGCCGCAACTGGGGGCAGAAGTGGCAGTCCAACGCCGTCCTC
GTGGGGCAGTCCATCTCCTTCCGCGTCACCGGCAGCGACCACCGCACCTCCACCT
CCTGGAACGTGCCCCCGCCGACTGGAAGTTCGGCCAGACCTTCTCCGGCAAGAA
CTTCGCCGCCTGA