

IDENTIFICATION

Species: *Spirodela polyrhiza*

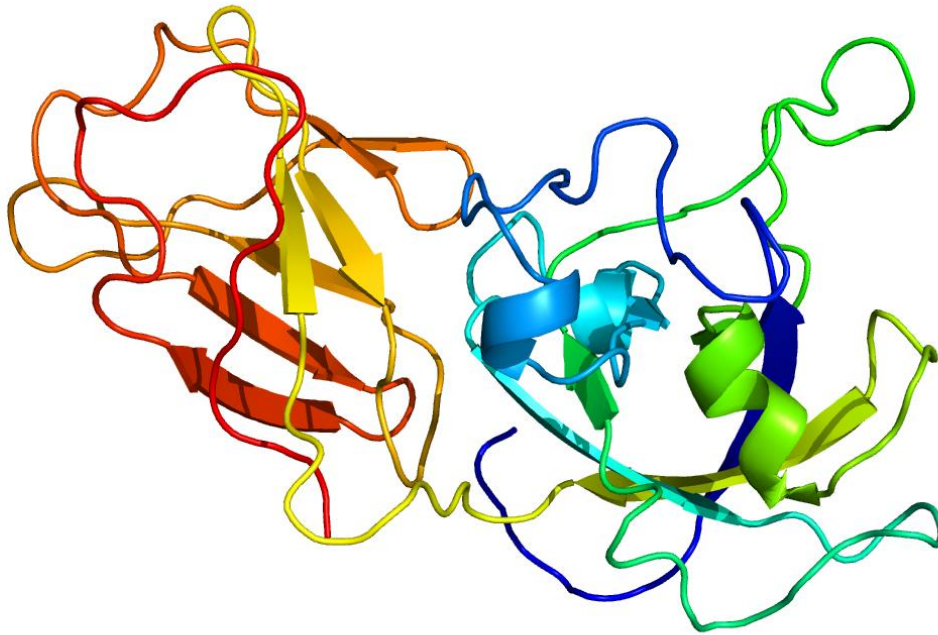
Locus: Spipo12G0039500

Gene Model: Spipo12G0039500

Description: SpEXPA-02

Family: Alpha Expansin

3D structure:



GENOME DATABASES

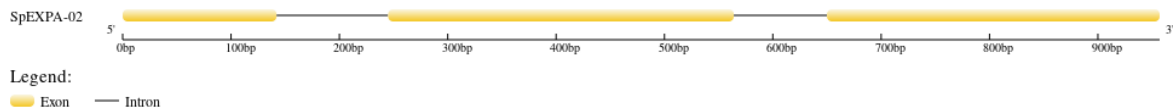
Phytozome: https://phytozome-next.jgi.doe.gov/info/Spolyrhiza_v2

KEGG:-

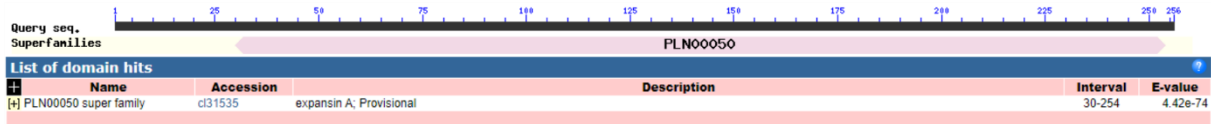
EXTERNAL RESOURCES

-

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SpEXPA-02

ETFFFFIFLYLCLASSALAGGRAAALYGEWRTATATYYGDTTAGLATEGGACGYGVL
REAAAYASSAAVSGALFGRGSACGGCYELRCVDHILWCRQGSPTVVTAADFCPPNY
GLSGDSGGWCNYPREHFQLPEPSFSDIAEKAADVVPVQYRRVECERRGGLRFTVSGS
SSFYQVLISNVGADGEVAAVKVKGSRTGWIPMARNWQNWCAANLLGQPLSFEV
TTGGGKTLTSYNVAPADWKPGQTFGGKQFH*

CDS (coding sequence)

>SpEXPA-02

GAAACGTTCTTCTTTTTTCATTTTCCTCTACCTCTGTTTGGCGTCGTCAGCGCTCGCC
GGCGGCAGAGCGGCGGCGCTGTACGGAGAATGGAGGACCGCCACCGCTACCTAC
TACGGGGATACGACCGCTGGTCTCGCTACAGAAGGCGGAGCTTGCGGCTATGGC
GTACTCCGGGAGGCGGCCTACGCGAGTAGCGCTGCAGTGAGCGGCGCCCTCTTCG
GCCGGGGCAGCGCCTGCGGCGGCTGCTACGAGCTGAGATGCGTGGATCATATCCT
CTGGTGCCGGCAAGGTAGCCCCTCCACCGTCGTCACCGCCGCCGACTTCTGCCCT
CCCAACTACGGCCTCTCCGGCGACTCCGGCGGCTGGTGCAACTACCCAGGGAGC
ACTTCCAGCTGCCGGAGCCCTCCTTCTCAGACATCGCCGAGAAGGCGGCCGACGT
AGTCCCCGTCCAGTACAGAAGAGTCGAGTGTGAGAGGCGCGGAGGGTTGAGGTT
CACGGTGAGCGGGAGCTCCTCCTTCTACCAGGTCCTGATATCGAATGTGGGCGCC
GACGGGGAGGTCGCCGCCGTGAAGGTGAAGGGGTCGAGAACCGGGTGGATCCCC
ATGGCGAGGAAGTGGGGGCAGAACTGGCACTGCGCCGCCAACCTCCTCGGCCAG
CCCCTCTCCTTCGAGGTCACCACCGGCGGCGGGAAGACCCTGACCTCGTACAACG
TCGCTCCGGCCGACTGGAAGCCCGGCCAGACCTTCGGCGGCAAGCAGTTCATTA
G

Nucleotide

>SpEXPA-02

GAAACGTTCTTCTTTTTTCATTTTCCTCTACCTCTGTTTGGCGTCGTCAGCGCTCGCC
GGCGGCAGAGCGGCGGCGCTGTACGGAGAATGGAGGACCGCCACCGCTACCTAC
TACGGGGATACGACCGCTGGTCTCGCTACAGGTACGAGCCAGCTTTCCTGCTCG
CCTGCGGACGCGTTATACTGGTTCTTACAGCTCCGGGCTGAATGCTGCCTCTGTGG
GTGTGGGTTCCCTCTGGTCCGAGAAGGCGGAGCTTGC GGCTATGGCGTACTCCGG

GAGGCGGCCTACGCGAGTAGCGCTGCAGTGAGCGGCGCCCTCTTCGGCCGGGGC
AGCGCCTGCGGCGGCTGCTACGAGCTGAGATGCGTGGATCATATCCTCTGGTGCC
GGCAAGGTAGCCCCTCCACCGTCGTCACCGCCGCCGACTTCTGCCCTCCAACTA
CGGCCTCTCCGGCGACTCCGGCGGCTGGTGCAACTACCCCAGGGAGCACTTCCAG
CTGCCGGAGCCCTCCTTCTCAGACATCGCCGAGAAGGCGGCGACGTAGTCCCCG
TCCAGTACAGAAGGTACGAGAAACGCAAACCCTGCCTTCGTCTTCCTCCCTTCCA
TTAGGGTTTCCGCTGAGAGAGAGGGTTGGCGATGGCGTGCGCAGAGTCGAGTGT
GAGAGGCGCGGAGGGTTGAGGTTACGGTGAGCGGGAGCTCCTCCTTCTACCAG
GTCCTGATATCGAATGTGGGCGCCGACGGGGAGGTCGCCGCCGTGAAGGTGAAG
GGGTCGAGAACCGGGTGGATCCCCATGGCGAGGAACTGGGGGCAGAACTGGCAC
TGCGCCGCCAACCTCCTCGGCCAGCCCCTCCTTCGAGGTCACCACCGGCGGGCG
GGAAGACCCTGACCTCGTACAACGTCGCTCCGGCCGACTGGAAGCCC GGCCAGA
CCTTCGGCGGCAAGCAGTTCCATTAG