

IDENTIFICATION

Species: *Spirodela polyrhiza*

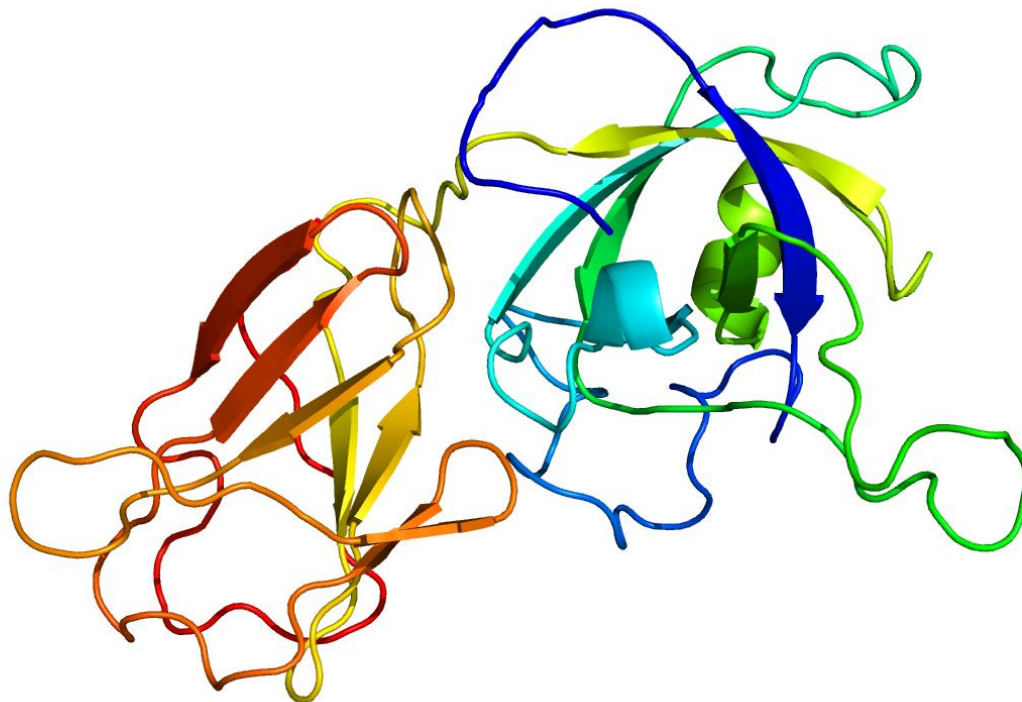
Locus: Spipo20G0037100

Gene Model: Spipo20G0037100

Description: SpEXPA-04

Family: Alpha Expansin

3D structure:



GENOME DATABASES

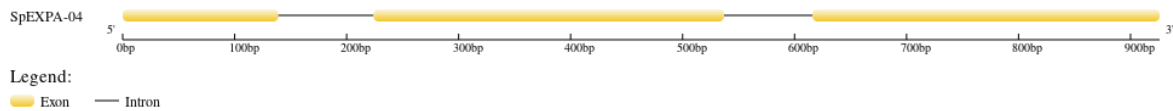
Phytozome: https://phytozome-next.jgi.doe.gov/info/Spolyrhiza_v2

KEGG:-

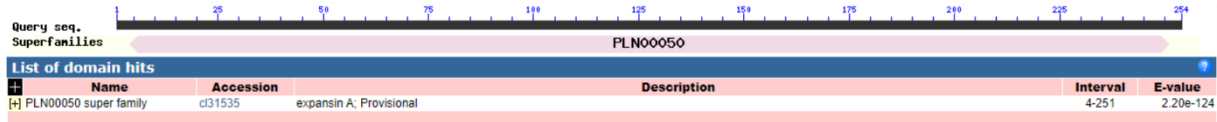
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SpEXPA-04

MAAIVGLFLACLLSSLSVPFVRGYGDGQWSSAHATFYGGGDTAGTMGGACGYGDL
YTQGYGADTTALSTAMFSGGLSCGACFEVKCVGVPEWCLPGSTVVTATNVCPPNPA
LPNNAGGWCNPPLSHFDSLPAFQRIAVPRAGIVPVAYRRTPCKRRGGIRFTINGHSYF
NLVLVANVGGAGDVRAVSVKGERTGWQAMARNWGQNWQSNGLDRQALSFKVT
TSDGRAVISYAAPAGWSFGQTFVGAQFSL*

CDS (coding sequence)

>SpEXPA-04

ATGGCCGCCATTGTTGGGCTCTTCCTCGCGTGCCTGCTGTCATCTCTCTCCGTCCC
TTTCGTCAGAGGATATGGGGATGGACAATGGTCCAGCGCCCACGCCACCTTCTAC
GGCGGCGGAGACACCGCCGGCACGATGGGGGGGGCGTGCGGGTACGGGGACCTC
TACACCCAGGGCTATGGCGCCGACACGACGGCGCTCAGCACGGCAATGTTTCAGC
GGCGGGCTGAGCTGCGGAGCCTGCTTCGAGGTGAAGTGCGTGGGCGTGCCGGAG
TGGTGCTGCCGGGCTCCACCGTGGTGACGGCCACCAATGTCTGCCCGCCGAACC
CGGCGCTCCCCAACACGCCGGCGGCTGGTGCAACCCCCGCTCAGCCACTTCGA
CCTCTCCCTCCCTGCCTTCCAGCGCATCGCTGTGCCCAGGGCTGGCATCGTCCCTG
TCGCTTACAGAAGGACACCCTGCAAGAGGAGGGGCGGGATCAGGTTTACCATCA
ACGGCCACTCCTACTTCAACCTGGTCCCTTGTCGCTAACGTTGGTGGCGCCGGCGA
CGTCCGCGCGGTGTTCGGTGAAGGGCGAGAGGACGGGGTGGCAGGCCATGGCTCG
CAACTGGGGCCAGA ACTGGCAGAGCAACGGCTTCCTCGACCGCCAGGCCCTTTCC
TTCAAGGTCACAACCAGCGACGGCCGCGCGTCATCTCCTACGCCGCCGCCCTG
CCGGCTGGTCTTTGGCCAGACCTTCGTCCGGCGCGCAGTTCTCCCTGTGA

Nucleotide

>SpEXPA-04

ATGGCCGCCATTGTTGGGCTCTTCCTCGCGTGCCTGCTGTCATCTCTCTCCGTCCC
TTTCGTCAGAGGATATGGGGATGGACAATGGTCCAGCGCCCACGCCACCTTCTAC
GGCGGCGGAGACACCGCCGGCACGATGGGTACATCCCGCTACGATTTCACTCTCT
CTATCTCTCTCTGACAACTCTTTCTCTCGGAGTCATCTTCTTTGCCGGCGCA
GGGGGGGGCGTGCGGGTACGGGGACCTCTACACCCAGGGCTATGGCGCCGACACG
ACGGCGCTCAGCACGGCAATGTTTCAGCGGGCGGGCTGAGCTGCGGAGCCTGCTTCG

AGGTGAAGTGCGTGGGCGTGCCGGAGTGGTGCCTGCCGGGCTCCACCGTGGTGA
CGGCCACCAATGTCTGCCCGCCGAACCCGGCGCTCCCCAACAAACGCCGGCGGCTG
GTGCAACCCCCGCTCAGCCACTTCGACCTCTCCCTCCCTGCCTTCCAGCGCATCG
CTGTGCCCAAGGGCTGGCATCGTCCCTGTCGCTTACAGAAGGTGAGGCCGACGCCG
GAACAAGCGCCCGACGGAAGGACTCTTCATAATCTCACCACGCCGGCGGGTTCCC
ACATTGCAGGACACCCTGCAAGAGGAGGGGCGGGATCAGGTTTACCATCAACGG
CCACTCCTACTTCAACCTGGTCCTTGTCGCTAACGTTGGTGGCGCCGGCGACGTCC
GCGCGGTGTCGGTGAAGGGCGAGAGGACGGGGTGGCAGGCCATGGCTCGCAACT
GGGGCCAGAACTGGCAGAGCAACGGCTTCCTCGACCGCCAGGCCCTTTCCTTCAA
GGTCACAACCAGCGACGGCCGCGCCGTCATCTCCTACGCCGCCGCCCTGCCGGC
TGGTCCTTTGGCCAGACCTTCGTGCGCGCGCAGTTCTCCCTGTGA