

IDENTIFICATION

Species: *Spirodela polyrhiza*

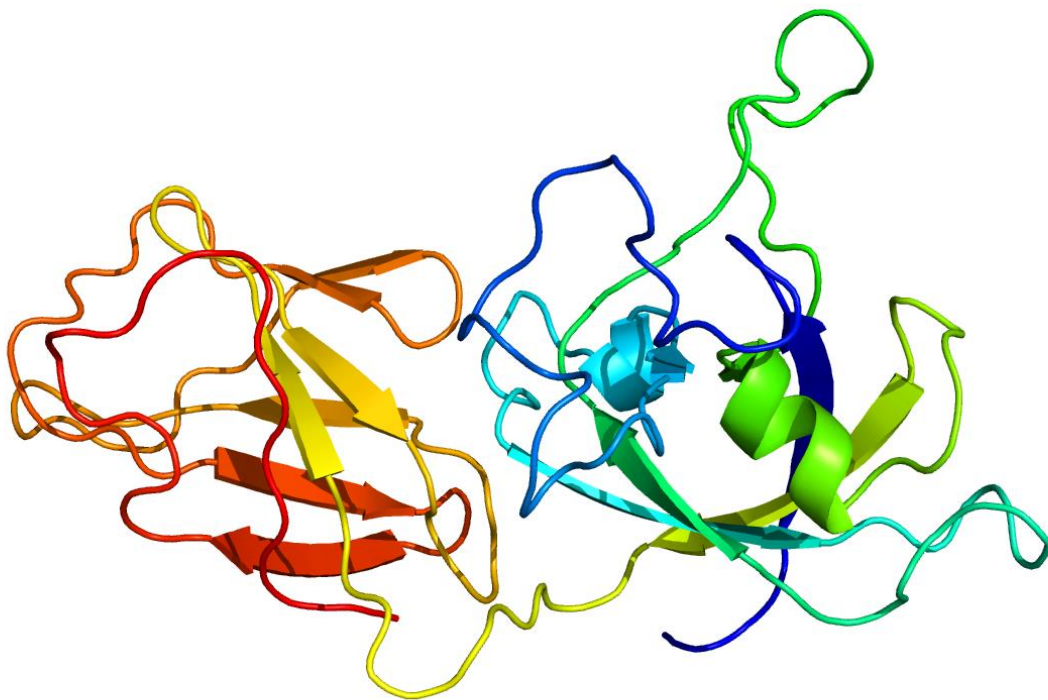
Locus: Spipo22G0026300

Gene Model: Spipo22G0026300

Description: SpEXPA-05

Family: Alpha Expansin

3D structure:



GENOME DATABASES

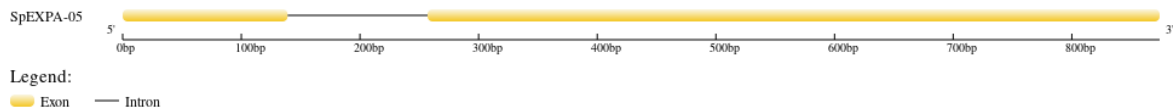
Phytozome: https://phytozome-next.jgi.doe.gov/info/Spolyrhiza_v2

KEGG:-

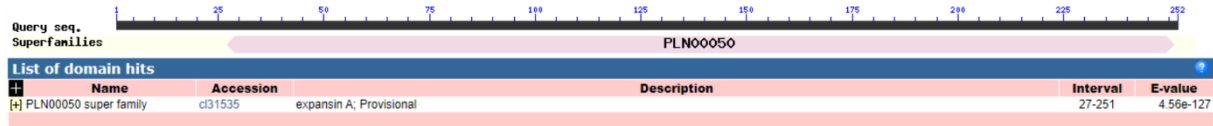
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SpEXPA-05

MAAAVWFSLLCFCVCLFSLPNGSCADAGWQSAHATFYGGSDASGTMGGACGYGNL
LSQGYGTNTAALSTALFNGLSCGSCYEIKCSGDPQWCLPGTIMVTATNFCPPNPALP
NDNGGWCNPPRQHFDLSQPIFLQIAQYRAGIVPVSYRRVPCVKKGGIRFTINGHSYFN
LVLITNVAGAGDVRVSVKSGSGWQSLSRNWGQNWQSNLLDRKSLSFQVTTSDG
RTVTSYDVVPAGWSFGQTFEGSQF*

CDS (coding sequence)

>SpEXPA-05

ATGGCGGCGGCGGTTTGGTTCTCCTTGCTCTGCTTCTGCGTCTGCCTCTTCTCCCTC
CCGAACGGGAGCTGCGCCGACGCCGGCTGGCAGAGCGCCACGCCACCTTCTAC
GGCGGATCTGACGCGTCCGGCACAATGGGAGGAGCTTGTGGGTACGGAAACCTG
CTGAGCCAGGGGTATGGAACGAACACGGCAGCGCTGAGCACGGCGTTGTTCAAC
AACGGGCTGAGCTGCGGGTCCTGTTACGAGATCAAGTGCAGCGGCGACCCGCAG
TGGTGCCTGCCGGGACGATCATGGTGACCGCGACCAACTTCTGCCCGCCCAACC
CGGCCCTGCCAACGACAACGGCGGCTGGTGCAACCCGCCCGGCAGCACTTCG
ATCTCTCGCAGCCAATCTTCTGAGATCGCGCAGTACCGCGCGGGCAGTCCGTCG
GGTCTCGTACAGGAGAGTTCCTGCGTGAAGAAGGGAGGCATCCGCTTACCATT
AACGGCCACTCCTACTTCAACCTCGTGCTCATCACCAACGTCGCCGGGGCCGGCG
ATGTCCGCTCCGTCTCCGTCAAGAGCGGCGGGTCCGGCTGGCAGTCCCTGTCCCG
CAACTGGGGCCAGAAGTGGCAGAGCAACTCCCTCCTCGACCGCAAGAGCCTCTCC
TTCCAGGTGACCACCAGCGACGGCCGCACAGTCACCAGCTACGACGTCGTCCCG
CAGGCTGGTCCTTTGGCCAGACCTTCGAGGGCAGCCAGTTCTAG

Nucleotide

>SpEXPA-05

ATGGCGGCGGCGGTTTGGTTCTCCTTGCTCTGCTTCTGCGTCTGCCTCTTCTCCCTC
CCGAACGGGAGCTGCGCCGACGCCGGCTGGCAGAGCGCCACGCCACCTTCTAC
GGCGGATCTGACGCGTCCGGCACAATGGGTAAGCTCTGCTTCCCTCCCTGCGGGGT
CTCCATTCCGAGATAGAGAAAGAGATAGAGAGAGAGAGTTGCTGCTGTCAATGG
CGAGTTTTGTGCTGAACGATGTGGGTGGTGGCTGCAGGAGGAGCTTGTGGGTACG

GAAACCTGCTGAGCCAGGGGTATGGAACGAACACGGCAGCGCTGAGCACGGCGT
TGTTCAACAACGGGCTGAGCTGCGGGTCCTGTTACGAGATCAAGTGCAGCGGCGA
CCCGCAGTGGTGCCTGCCGGGACGATCATGGTGACCGCGACCAACTTCTGCCCCG
CCCAACCCGGCCCTGCCAACGACAACGGCGGCTGGTGCAACCCGCCCCGGCAG
CACTTCGATCTCTCGCAGCCAATCTTCCTGCAGATCGCGCAGTACCGCGCGGGCA
TCGTGCCGGTCTCGTACAGGAGAGTTCCTGCGTGAAGAAGGGAGGCATCCGCTT
CACCATTAACGGCCACTCCTACTTCAACCTCGTGCTCATCACCAACGTCGCCGGG
GCCGGCGATGTCCGCTCCGTCTCCGTCAAGAGCGGCGGGTCCGGCTGGCAGTCCC
TGTCCC GCAACTGGGGCCAGA ACTGGCAGAGCAACTCCCTCCTCGACCGCAAGA
GCCTCTCCTTCCAGGTGACCACCAGCGACGGCCGCACAGTCACCAGCTACGACGT
CGTCCCCGCAGGCTGGTCCTTTGGCCAGACCTTCGAGGGCAGCCAGTTCTAG