

IDENTIFICATION

Species: *Spirodela polyrhiza*

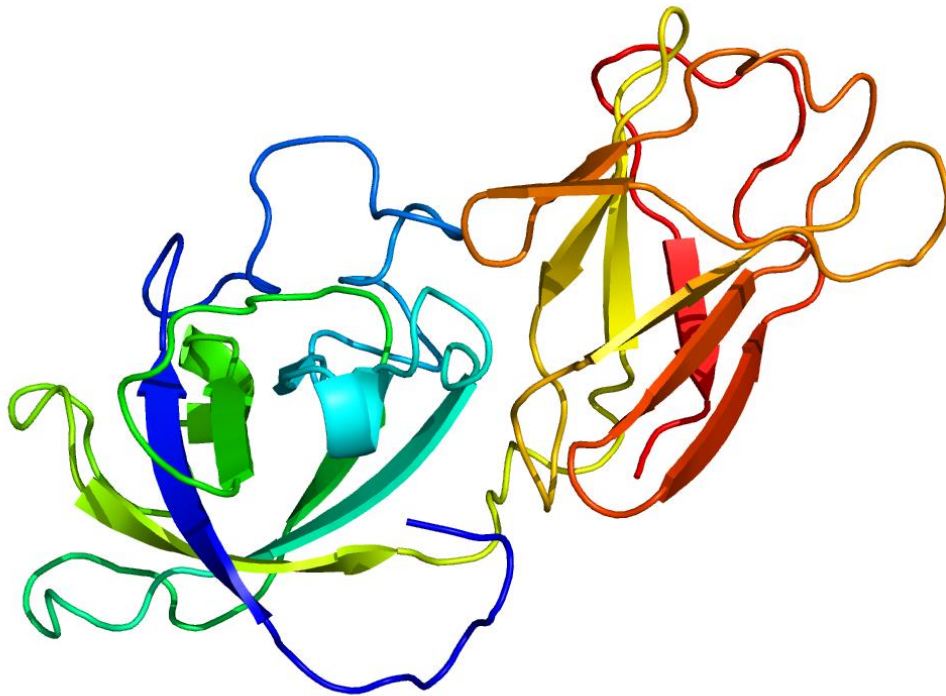
Locus: Spipo22G0037800

Gene Model: Spipo22G0037800

Description: SpEXPA-06

Family: Alpha Expansin

3D structure:



GENOME DATABASES

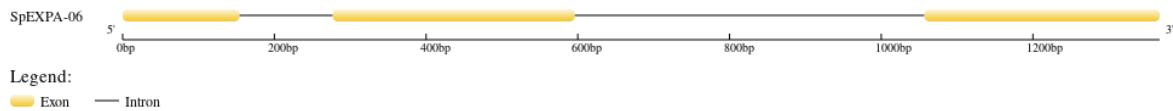
Phytozome: https://phytozome-next.jgi.doe.gov/info/Spolyrhiza_v2

KEGG:-

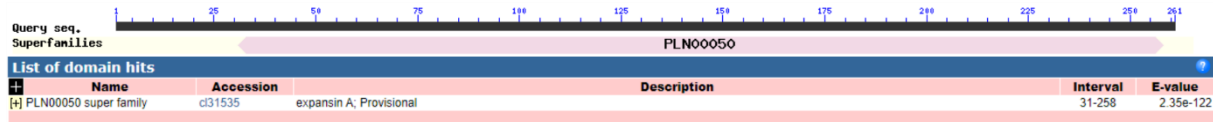
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SpEXPA-06

MASRGVLLAVAVLLPTYMSMVAARIPGVYTTGGAWQTAHATFYGGSDASGTMGGA
CGYGNLYSQGYGVETAALSTALFNDGLSCGACFEIKCADDPKWCHGGSPSIFITATNF
CPPNFALPSDNGGWCNPPRPHFDLAMPMLKIAEYRAGIVPVA YRRVPCRKAGGIRF
TINGFRYFNLVLISNVAGAGDIVRVS VKGTRTGWLPMSRNWQNWQSNVAVLVGQA
LSFRVTGSDHRTSTSWNVAPADWQFGKTYSGKNFRV*

CDS (coding sequence)

>SpEXPA-06

ATGGCGTCCCGAGGCGTCCTACTGGCCGTCGCGGTCCTTCTCCCAACGTACATGT
CCATGGTTGCCGCTCGCATTCCGGGAGTGTACACTGGTGGAGCATGGCAGACCCG
CCACGCCACCTTCTACGGCGGCAGTGACGCCTCCGGCACCATGGGAGGGGCGTGT
GGATACGGGAACCTGTACAGCCAGGGATACGGCGTGGAGACGGCGGCGCTGAGC
ACGGCGCTGTTCAACGACGGCCTTAGCTGCGGGGCTGCTTCGAGATCAAGTGCG
CGGACGACCCCAAGTGGTGCCATGGCGGAAGCCCTCCATCTTCATCACGGCCAC
CAACTTCTGCCC GCCGA ACTTCGCCCTGCCCTCGGACAACGGCGGCTGGTGCAAT
CCCCCGCGCCCTCACTTCGACCTGGCCATGCCGATGTTCCCTCAAGATCGCCGAGT
ACCGCGCCGGCATTGTCCCCGTCGCCTACCGCAGGGTGCCGTGCAGGAAGGCCGG
GGGGATCAGGTTACCATCAACGGCTTCCGGTACTTCAACCTGGTGCTCATCTCG
AACGTCGCCGGCGCCGGCGACATCGTCCGGGTGAGCGTGAAGGGCACGCGCACG
GGGTGGCTGCCGATGAGCCGCAACTGGGGCCAGA ACTGGCAGTCCAACGCGGTG
CTGGTGGGGCAGGCGCTCTCCTTCCGCGTCACGGGCAGCGACCACCGCACCTCCA
CTTCTGGAACGTCGCGCCGGCCGACTGGCAGTTCGGCAAGACCTACTCCGGCAA
GAACTTCCGAGTCTGA

Nucleotide

>SpEXPA-06

ATGGCGTCCCGAGGCGTCCTACTGGCCGTCGCGGTCCTTCTCCCAACGTACATGT
CCATGGTTGCCGCTCGCATTCCGGGAGTGTACACTGGTGGAGCATGGCAGACCCG
CCACGCCACCTTCTACGGCGGCAGTGACGCCTCCGGCACCATGGGTAAGCCTCCT
TCACTCCGGCCGCCCTGCATTGTGCCCTTACGGCCGAATGCCTCCCTATATGGCC
TCTTCTTCTTCTCCTTCCCCGCCAGCTTCACTCCGGATCTCTGGTGTGGCTGCAG

GAGGGGCGTGTGGATACGGGAACCTGTACAGCCAGGGATACGGCGTGGAGACGG
CGGCGCTGAGCACGGCGCTGTTCAACGACGGCCTTAGCTGCGGGGCCTGCTTCGA
GATCAAGTGCGCGGACGACCCCAAGTGGTGCCATGGCGGAAGCCCCTCCATCTTC
ATCACGGCCACCAACTTCTGCCCCGCCGAACCTTCGCCCTGCCCTCGGACAACGGCG
GCTGGTGAATCCCCCGCGCCCTCACTTCGACCTGGCCATGCCGATGTTCCCTCAA
GATCGCCGAGTACCGCGCCGGCATTGTCCCCGTCGCTACCGCAGGTCTGCGCTC
ACTCCTCTCTTCGTCCACTCCTTGCTGCGCACTCTCTGGGCTCGGATCTCCAGGCG
CCAGTGAGACCGCATTGGTCGACCATGGGAGACGAACGAGGGCTCCTTCCTCGAG
AATCTGGACGGCCAGAGCGAAAAGTTGGCGCGATCTTCTTTCCCGGCCGAGTATC
CCGCGCTTTCTCTGAGCTTGCTCTGTTCTGTCCCACTCGCCTGGATTGACGAGAAT
GCCATTCCGCCCTAGGGATAGGGCGGGCACCTACCGAACGCATTTACCCTCCCC
CGATTTCTGAGGTGCCCGCCATGGTCGGTCCCCTAATAACTGCACTGTAGATCCA
CGTGACCCGGGCGGCCGGTGGGGGTCCACCGCCGCCGCTGCTCCGATTCACCGGAG
GATTCGACCGACTCGCCGCCCTACTGGCGGGCGCCGCTGATTTCTTTCCCGCGTG
GTGGTGCAGGGTGCCGTGCAGGAAGGCCGGGGGATCAGGTTACCATCAACGG
CTTCCGGTACTTCAACCTGGTGCTCATCTCGAACGTCGCCGGCGCCGGCGACATC
GTCCGGGTGAGCGTGAAGGGCACGCGCACGGGGTGGCTGCCGATGAGCCGCAAC
TGGGGCCAGAACTGGCAGTCCAACGCGGTGCTGGTGGGGCAGGCGCTCTCCTTCC
GCGTCACGGGCAGCGACCACCGCACCTCCACTTCCCTGGAACGTCGCGCCGGCCGA
CTGGCAGTTCGGCAAGACCTACTCCGGCAAGAACTTCCGAGTCTGA