

IDENTIFICATION

Species: *Selaginella moellendorffii*

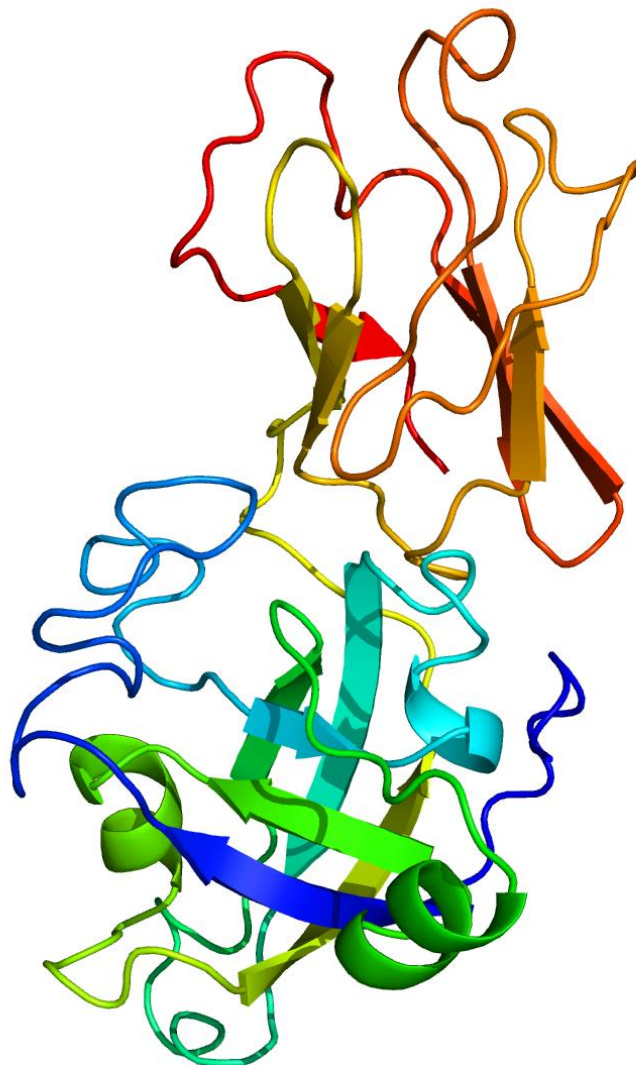
Locus: 419575

Gene Model: 419575

Description: SmEXPA-14

Family: Alpha Expansin

3D structure:



GENOME DATABASES

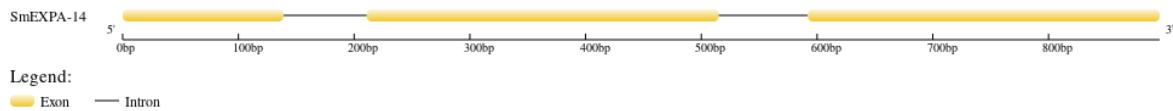
Phytozome: https://phytozome-next.jgi.doe.gov/info/Smoellendorffii_v1_0

KEGG: <https://www.genome.jp/entry/T01496>

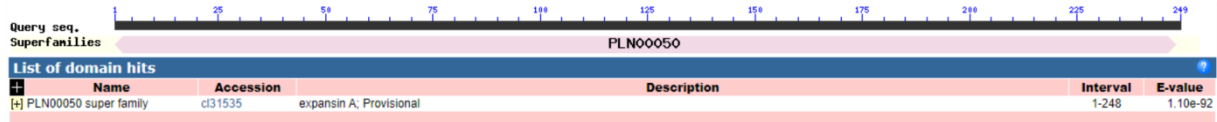
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SmEXPA-14

MEIFSRVTGLLLSIFFLGARQIRGDEGWTDGAHATYYGGSDASGTNNGACGYGNQLS
AGYGVLTALSAPLFNDGHVCGACFEVKCSWGDGCLAGNPSIVVTATNLCPQGSN
GGWCDSPKQHFDLAQPAFALIAVTLNGHVPIQYRRVSCRKRDGGLRFTINGHVYFNLV
LIENVGGTGDVSAVSIKGSKTGWRPMTNRNWGQNWQDGGDLTGQSLSFVTTSDGSK
ITAYDVAPDYWQFGQTFSGGQF*

CDS (coding sequence)

>SmEXPA-14

ATGGAATTTTTTCCCGGGTCACTGGCCTTCTTCTCTCCATTTTCTTCCTTGGAGCT
CGCCAAATCCGTGGCGATGAAGGATGGACCGATGGAGCTCACGCAACTTACTAT
GGAGGAAGTGATGCATCAGGAACAAATAATGGCGCGTGTGGCTATGGAAACCAG
CTGAGCGCTGGCTATGGAGTTCTCACCCTGCTTTGAGCGCTCCACTGTTTAAACGA
TGGTCACGTTTGC GGAGCTTGCTTCGAAGTGAAGTGTCTTGGGGCGACTCTGGC
TGCTCGCCGGGAATCCTTCCATTGTTGTCACTGCCACGAATCTGTGCCCGCAAG
GAAGCAATGGAGGATGGTGTGATTCTCCAAGCAACACTTTGATCTCGCGCAGCC
GGCGTTCGCTCTCATCGCCGTGACTCTCAATGGTCACGTCCAATCCAATACCGG
AGAGTGAGCTGCAAGCGCGATGGAGGCCTTCGATTCACGATCAATGGTCACGTCT
ACTTCAATCTGGTGTCTCATCGAGAACGTTGGCGGCACCGGGGACGTGAGCGCGGT
GTCGATCAAGGGATCCAAGACCGGGTGGCGGCCGATGACGAGGAAGTGGGGCCA
AACTGGCAAGATGGCGGGGATCTCACTGGCCAGAGCTTGTCTTCGAGGTCACC
ACCAGCGATGGAAGCAAGATCACGGCCTACGATGTCGCTCCAGACTACTGGCAG
TTTGGACAGACCTTTAGCGGCGGCCAGTTCTAG

Nucleotide

>SmEXPA-14

ATGGAATTTTTTCCCGGGTCACTGGCCTTCTTCTCTCCATTTTCTTCCTTGGAGCT
CGCCAAATCCGTGGCGATGAAGGATGGACCGATGGAGCTCACGCAACTTACTAT
GGAGGAAGTGATGCATCAGGAACAAATAGTAAGTTCTTACGTGAAGTCTCAACA
GTAAGTTCCAATGATTTTGTCTCTCGTTTTTTTCTTCCGTGATAGATGGCGCGTG
TGGCTATGGAAACCAGCTGAGCGCTGGCTATGGAGTTCTCACCCTGCTTTGAGC
GCTCCACTGTTTAAACGATGGTCACGTTTGC GGAGCTTGCTTCGAAGTGAAGTGTC
TTGGGGCGACTCTGGCTGCCTCGCCGGGAATCCTTCCATTGTTGTCACTGCCACGA

ATCTGTGCCCGCAAGGAAGCAATGGAGGATGGTGTGATTCTCCCAAGCAACACTT
TGATCTCGCGCAGCCGGCGTTCGCTCTCATCGCCGTGACTCTCAATGGTCACGTCC
CAATCCAATACCGGAGGTAGTCAATCCATCCTCTCCATGGTTCTTGCCAGATCTCT
CTCGAATTTGTCACTGACTTCTCTCGATTTCTTCCAGAGTGAGCTGCAAGCGCGAT
GGAGGCCTTCGATTCACGATCAATGGTCACGTCTACTTCAATCTGGTGCTCATCG
AGAACGTTGGCGGCACCGGGGACGTGAGCGCGGTGTCGATCAAGGGATCCAAGA
CCGGGTGGCGGCCGATGACGAGGAACTGGGGCCAAAACCTGGCAAGATGGCGGGG
ATCTCACTGGCCAGAGCTTGTCTTCGAGGTCACCACCAGCGATGGAAGCAAGAT
CACGGCCTACGATGTCGCTCCAGACTACTGGCAGTTTGGACAGACCTTTAGCGGC
GGCCAGTTCTAG