

IDENTIFICATION

Species: *Selaginella moellendorffii*

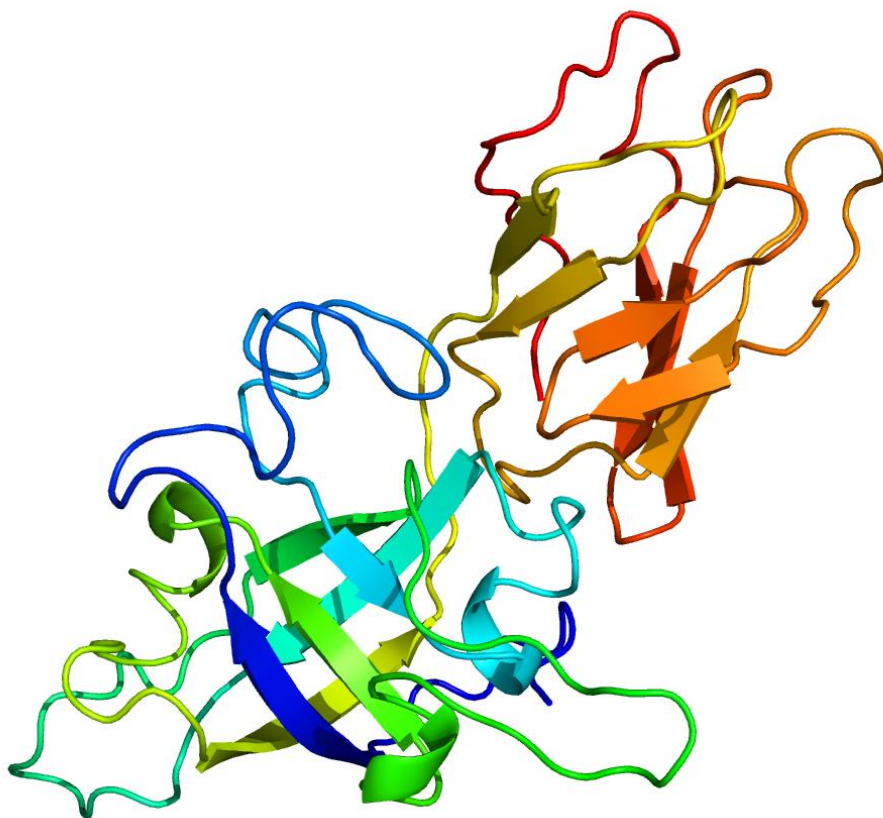
Locus: 102623

Gene Model: 102623

Description: SmEXPA-13

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>

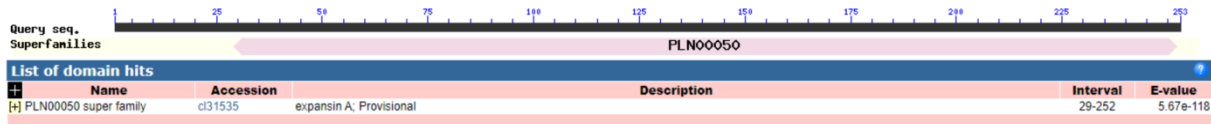
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SmEXPA-13

MASLFASFKIFMALLLGRVVHGGGYGGGWTDAAHATFYGGSNAAGTMGGACGYGN
LVSAGYGTNTAALSTALFQDGLSCGACFEVKCASGSDPKWCLPGSVVVTATNFCPPS
SQPSNDGGWCNSPLQHFDMAQPAFLKIAQYSAGIVPISYRRVSCSRSGGIRFTMNGHA
YFNLVLITNVGGAGDVHAVSIKSGTDWIPMSRNWQNWQSNALLGGQALSFKVTT
SDGKTIIAYNVAGANWAYYGQTFEGEQF*

CDS (coding sequence)

>SmEXPA-13

ATGGCCAGCCTTTTTGCCTCTTTCAAGATCTTCATGGCACTCTTGCTAGGCAGAGT
AGTCCATGGTGGTGGCTATGGAGGTGGTTGGACTGATGCCCATGCGACCTTTTAT
GGTGGATCCAATGCAGCAGGCACAATGGGTGGTGCCTGTGGCTATGGAACTTG
GTGAGTGCTGGATATGGCACCAACACAGCAGCATTGAGCACTGCTCTGTTTCAAG
ATGGGCTGAGCTGCGGAGCCTGCTTTGAAGTCAAGTGTGCAAGTGGCAGTGATCC
CAAGTGGTGCCTCCCAGGCTCTGTGGTTGTCACAGCCACAACTTCTGCCCTCCA
AGTTCCAACCCAGCAACGATGGGGGCTGGTGCAACTCCCCCTCCAGCACTTTG
ACATGGCCAGCCTGCATTTCTCAAGATTGCACAATACTCTGCTGGGATTGTCCCC
ATCTCCTACAGAAGAGTCTCTTGCTCTAGGAGTGGTGGCATCCGATTCACCATGA
ACGGCCACGCCTACTTCAACCTGGTGCTAATACCAACGTTGGCGGTGCCGGGGA
CGTGCACGCCGTCTCCATCAAAGGCTCGGGCACCGACTGGATCCCCATGAGCCGC
AACTGGGGCCAAACTGGCAGAGCAACGCTCTCCTGGGCGGCCAGGCCCTCTCCT
TCAAGGTCACAACCAGCGATGGCAAACCACCATCGCCTACAACGTCGCCGGGG
CAAACCTGGGCGTATGGGCAGACGTTTCGAGGGCGAGCAGTTCTAG

Nucleotide

>SmEXPA-13

ATGGCCAGCCTTTTTGCCTCTTTCAAGATCTTCATGGCACTCTTGCTAGGCAGAGT
AGTCCATGGTGGTGGCTATGGAGGTGGTTGGACTGATGCCCATGCGACCTTTTAT
GGTGGATCCAATGCAGCAGGCACAATGGGTAAAAATCTTCAAATCCTTTTCGCTCC
AACATTTTAAACATATTGGGTTTCTATTTGTTCCAGGTGGTGCCTGTGGCTATGGAA
ACTTGGTGAGTGCTGGATATGGCACCAACACAGCAGCATTGAGCACTGCTCTGTT
TCAAGATGGGCTGAGCTGCGGAGCCTGCTTTGAAGTCAAGTGTGCAAGTGGCAGT
GATCCCAAGTGGTGCCTCCCAGGCTCTGTGGTTGTCACAGCCACAACTTCTGCC

CTCCAAGTTCCCAACCCAGCAACGATGGGGGCTGGTGCAACTCCCCCTCCAGCA
CTTTGACATGGCCCAGCCTGCATTTCTCAAGATTGCACAATACTCTGCTGGGATTG
TCCCATCTCCTACAGAAGGTAGAAATCCAGTCACCTCTGTTCCCATCTGAGTAT
GTCGTCTGAACTTTGACACCCCATCCCCCTCACTGTCCAACATCTTGTCCACTGTT
CTTTCAGAGCGTTTCCTGGAGCTTTTCTGAGACCCACCTTCACTTTCTGTCTGAAC
TCGGGAGCTGCTCACGTTTGGTGTCCAGAAAGCTTTTCTACCTTACTGTTTCTCTT
GCCAGTCTCTTTAGAGTTTAGATTCTTTCAAACCTGACTTGACTTCATCCATCTTTCT
CTCTCTTGGATCTCTTCATTTTCCAAACTAAGAAAAGTTTCCTGGTTTTCTTGCAG
AGTCTCTTGCTCTAGGAGTGGTGGCATCCGATTCACCATGAACGGCCACGCCTAC
TTCAACCTGGTGCTAATCACCAACGTTGGCGGTGCCGGGGACGTGCACGCCGTCT
CCATCAAAGGCTCGGGCACCGACTGGATCCCCATGAGCCGCAACTGGGGCCAAA
ACTGGCAGAGCAAACGCTCTCCTGGGCGGCCAGGCCCTCTCCTTCAAGGTCACAAC
CAGCGATGGCAAACACCACCATCGCCTACAACGTCGCCGGGGCAAACCTGGGCGTA
TGGGCAGACGTTTCGAGGGCGAGCAGTTCTAG