

IDENTIFICATION

Species: *Selaginella moellendorffii*

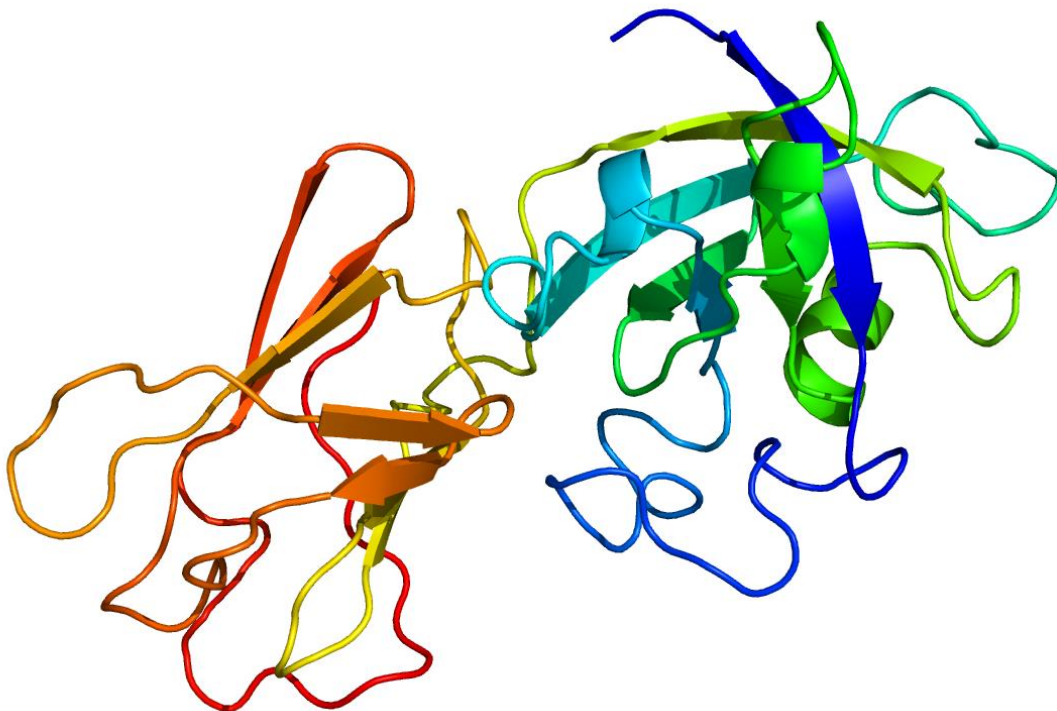
Locus: 409954

Gene Model: 409954

Description: SmEXPA-08

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>

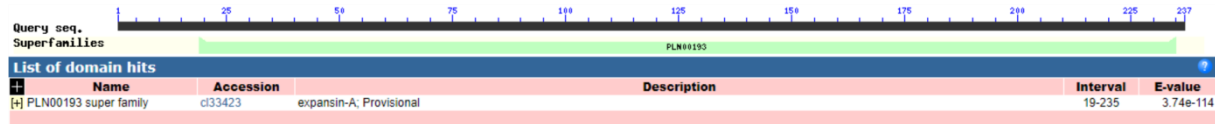
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SmEXPA-08

MGLLVLFLATGVSSALAQWESGHATFYGGSDAAGTMGGACGYGNLYSQGYGTNN
AALSSALYNGLSCGACFEVKCDAAADPQWCIPGRSVTVTATNFCPPGSWCNEPLK
HFDMSQPAWEEIGIYRGGIIPVYFRRVSCVRKGGIHFTVNGHAYFNLILITNVGGAGD
VHAVSVKGS GTGWIPMSRNWQNWQTNAQLGGQSL SFMVT DSSGKTVISNNAAPS
NWQYGQTFEGEQF*

CDS (coding sequence)

>SmEXPA-08

ATGGGACTGCTGGTGCTTTTTCTCGCCACCGGCGTCAGCTCCGCGCTGGCGCAGT
GGGAGAGCGGCCACGCCACATTCTACGGAGGCAGCGACGCCGCTGGAACAATGG
GTGGAGCTTGCGGCTATGGCAATCTCTACAGCCAGGGCTACGGCACCAACAATGC
GGCACTGAGCTCGGCGCTCTACAACAACGGGCTGAGCTGCGGCGCGTGCTTCGAG
GTGAAATGTGACGCGGCGGCGGACCCGCAGTGGTGATCCC GGGCCGATCGGTG
ACCGTCACCGCCACCAACTTCTGCCCGCCCGGCTCCTGGTGCAACGAGCCCCTCA
AGCACTTCGACATGTCCCAGCCCGCCTGGGAGGAGATTGGAATCTACCGCGGTGG
AATCATCCCCGTCTACTTCCGCAGGGTGAGCTGCGTGAGGAAAGGAGGGATCCAC
TTCACGGTAAACGGCCACGCCTACTTCAACCTCATCTCATCAGAAATGTGGGCG
GTGCCGGGGACGTGCATGCCGTGTCCGTCAAGGGCTCCGGGACGGGATGGATCC
CCATGAGCCGCAACTGGGGCCAGA ACTGGCAGACCAACGCGCAGCTCGGCGGCC
AGAGCCTCTCCTTCATGGTGACGGACAGTAGCGGCAAGACGGTCATCTCCAACAA
TGCCGCGCCTTCCA ACTGGCAATACGGGCAGACCTTCGAGGGAGAACAGTTCTGA

Nucleotide

>SmEXPA-08

ATGGGACTGCTGGTGCTTTTTCTCGCCACCGGCGTCAGCTCCGCGCTGGCGCAGT
GGGAGAGCGGCCACGCCACATTCTACGGAGGCAGCGACGCCGCTGGAACAATGG
GTAAGAAGAGAGATCACTACTCCCTCTCGGATCATTTCATTCCAGCAACCCC
ACTCAGCAAAGATCTAGCATAACAATCCACAAGAATTCTTTCTCGTGATCTAAAC
GAATGCCATCTTGCCATGTCCAGGTGGAGCTTGGCGCTATGGCAATCTCTACAGC
CAGGGCTACGGCACCAACAATGCGGCACTGAGCTCGGCGCTCTACAACAACGGG
CTGAGCTGCGGCGCGTGCTTCGAGGTGAAATGTGACGCGGCGGCGGACCCGCAG
TGGTGATCCC GGGCCGATCGGTGACCGTCACCGCCACCAACTTCTGCCCGCCG

GCTCCTGGTGCAACGAGCCCCTCAAGCACTTCGACATGTCCCAGCCCGCCTGGGA
GGAGATTGGAATCTACCGCGGTGGAATCATCCCCGTCTACTTCCGCAGGTATGTC
GCTGCCTCTTCGTTCTATGTTCTTCCGAAGTTCTTGGAGCTCAACTCATCAGGATC
TTCCAAGTTTTGCTGCTTTCTTCCGGGGTTTCTTCCGCGATCTCATGGGCGATTGC
CTCTCTCGCAGGGTGAGCTGCGTGAGGAAAGGAGGGATCCACTTCACGGTAAAC
GGCCACGCCTACTTCAACCTCATCCTCATCACGAATGTGGGCGGTGCCGGGGACG
TGCATGCCGTGTCCGTCAAGGGCTCCGGGACGGGATGGATCCCCATGAGCCGCAA
CTGGGGCCAGAACTGGCAGACCAACGCGCAGCTCGGGCGGCCAGAGCCTCTCCTTC
ATGGTGACGGACAGTAGCGGCAAGACGGTCATCTCCAACAATGCCGCGCCTTCCA
ACTGGCAATACGGGCAGACCTTCGAGGGAGAACAGTTCTGA