

IDENTIFICATION

Species: *Selaginella moellendorffii*

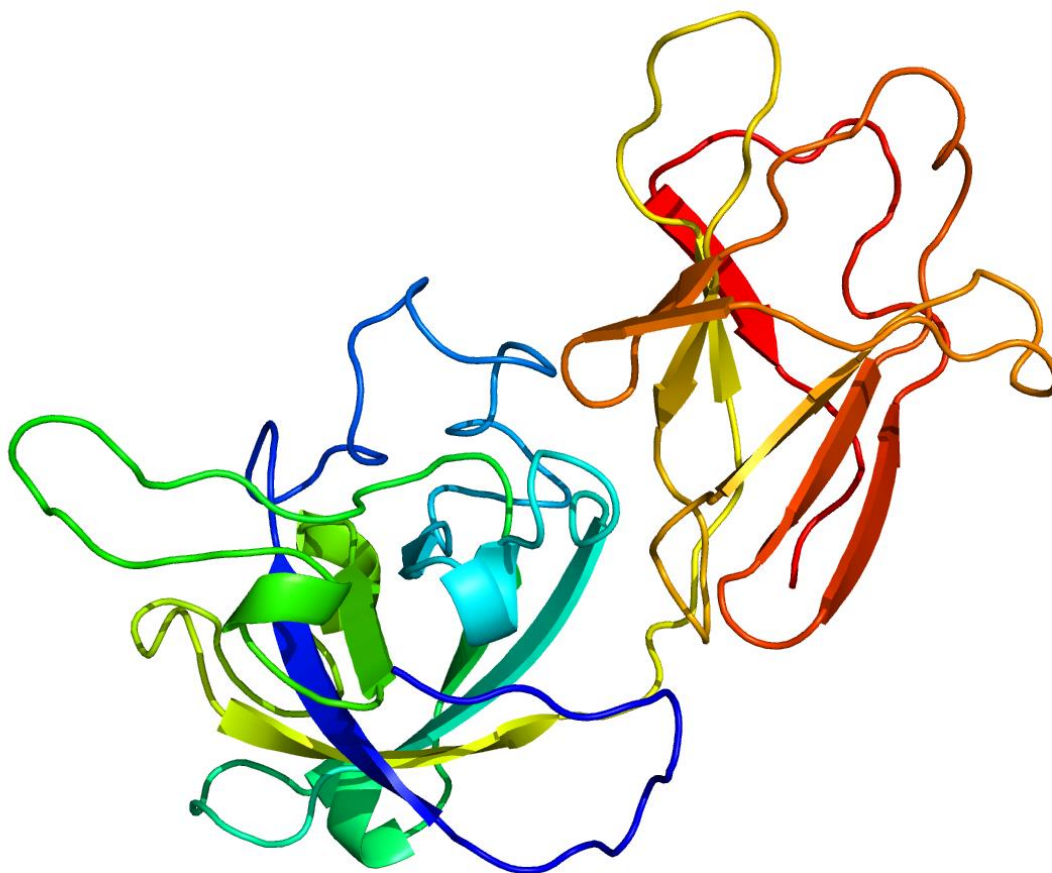
Locus: 410512

Gene Model: 410512

Description: SmEXPA-10

Family: Alpha Expansin

3D structure:



GENOME DATABASES

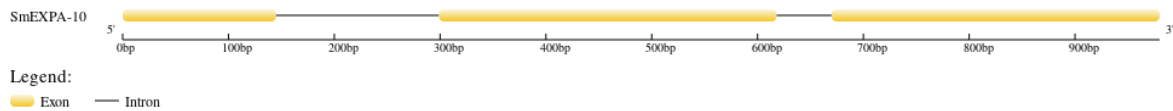
Phytozome: https://phytozome-next.jgi.doe.gov/info/Smoellendorffii_v1_0

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

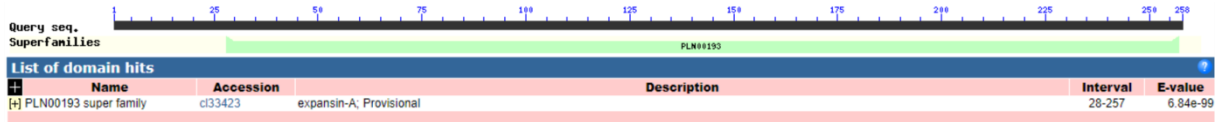
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SmEXPA-10

MEMASCVLLPLFFLSLAVAQEREKQAIPEGWTLAHATYYGGSDASGTMGGACGYG
NMYHEGFGVETTALSTVLFQNGASCGACYELKCHQDPKWCRPGNLSITVTATNFCPP
NPARKSYRGGWCNYPQQHFDSLMPAFVHLANRTAGIIPVIYTRVECKRQGGIRFTMR
GNKWFILVMISNVGGAGDVRSVVVKGSRSPWTPATRAWGQNWHISNRSMLEQGLSF
VVSTSDGESRIALDAVPQNWKFGQTFTTAAQF*

CDS (coding sequence)

>SmEXPA-10

ATGGAGATGGCTTCTTGTGTTCTTCTTCCTCTCTTCTTCCTCTCTCTCGCAGTAGCG
CAAGAACGCGAGAAGCAAGCTATTCCAGAGGGCTGGACTTTAGCTCACGCAACG
TACTATGGCGGCTCGGACGCGTCGGGAACAATGGGAGGAGCTTGC GGCTATGGC
AACATGTACCACGAAGGCTTTGGAGTGGAGACCACCGCTCTGAGCACCGTCTTGT
TCCAGAACGGAGCTTCCTGTGGAGCTTGCTACGAGCTCAAGTGCCATCAGGATCC
AAAGTGGTGCCGTCCC GGCAATCTCTCCATCACCGTCACCGCCACGAACTTCTGC
CCTCCAAATCCCGCTCGCAAGAGCTACCGAGGAGGATGGTGCAACTATCCACAGC
AACACTTCGATCTTTCCATGCCGGCCTTCGTTACCTCGCGAACAGGACCGCAGG
AATCATCCCAGTCATCTACACAAGAGTCGAGTGCAAGAGGCAGGGTGGCATTCTGT
TTCACGATGCGTGGGAACAAATGGTTCATCTTGGTGATGATCTCCAACGTAGGTG
GAGCTGGAGATGTCCGGAGCGTGGTTGTCAAAGGATCACGATCTCCGTGGACGCC
GGCGACTCGCGCTTGGGGCCAGAACTGGCATAATTTCCAACCGGTCGATGCTAGAG
CAAGGCCTGTCTTTCGTTGTGAGTACCAGCGATGGCGAGAGTAGGATAGCTCTCG
ACGCAGTGCCGCAA AATTGGAAATTCGGACAAACCTTCACGACCGCTGCACAGTT
CTAG

Nucleotide

>SmEXPA-10

ATGGAGATGGCTTCTTGTGTTCTTCTTCCTCTCTTCTTCCTCTCTCTCGCAGTAGCG
CAAGAACGCGAGAAGCAAGCTATTCCAGAGGGCTGGACTTTAGCTCACGCAACG
TACTATGGCGGCTCGGACGCGTCGGGAACAATGGGTAAACTTTCGCTTCGTCTTT
CCTGCCAAGAGCCATCGATTTCGTAAAGACTTCCTCCACAAGATCTCTGGGAAAGA
AAGAACGAAAACAAAGGAGAGCGAAGAGAAGAACTGACCGTGATGCGTGTGTCT
TCTTGGCTCGATCTTCTCTCGCAGGAGGAGCTTGC GGCTATGGCAACATGTACCA

CGAAGGCTTTGGAGTGGAGACCACCGCTCTGAGCACCGTCTTGTTCCAGAACGGA
GCTTCCTGTGGAGCTTGCTACGAGCTCAAGTGCCATCAGGATCCAAAGTGGTGCC
GTCCCGGCAATCTCTCCATCACCGTCACCGCCACGAACTTCTGCCCTCCAAATCCC
GCTCGCAAGAGCTACCGAGGAGGATGGTGCAACTATCCACAGCAACACTTCGAT
CTTTCCATGCCGGCCTTCGTTACCTCGCGAACAGGACCGCAGGAATCATCCCAG
TCATCTACACAAGGTAGCACACCATAAGTCATGAAATCACACTGACTTACGATGA
TCTTGTGTAGAGTCGAGTGCAAGAGGCAGGGTGGCATTTCGTTTCACGATGCGTGG
GAACAAATGGTTCATCTTGGTGATGATCTCCAACGTAGGTGGAGCTGGAGATGTC
CGGAGCGTGGTTGTCAAAGGATCACGATCTCCGTGGACGCCGGCGACTCGCGCTT
GGGGCCAGAACTGGCATATTTCCAACCGGTCGATGCTAGAGCAAGGCCTGTCTTT
CGTTGTGAGTACCAGCGATGGCGAGAGTAGGATAGCTCTCGACGCAGTGCCGCA
AAATTGGAAATTCGGACAAACCTTCACGACCGCTGCACAGTTCTAG