

IDENTIFICATION

Species: *Sphagnum fallax*

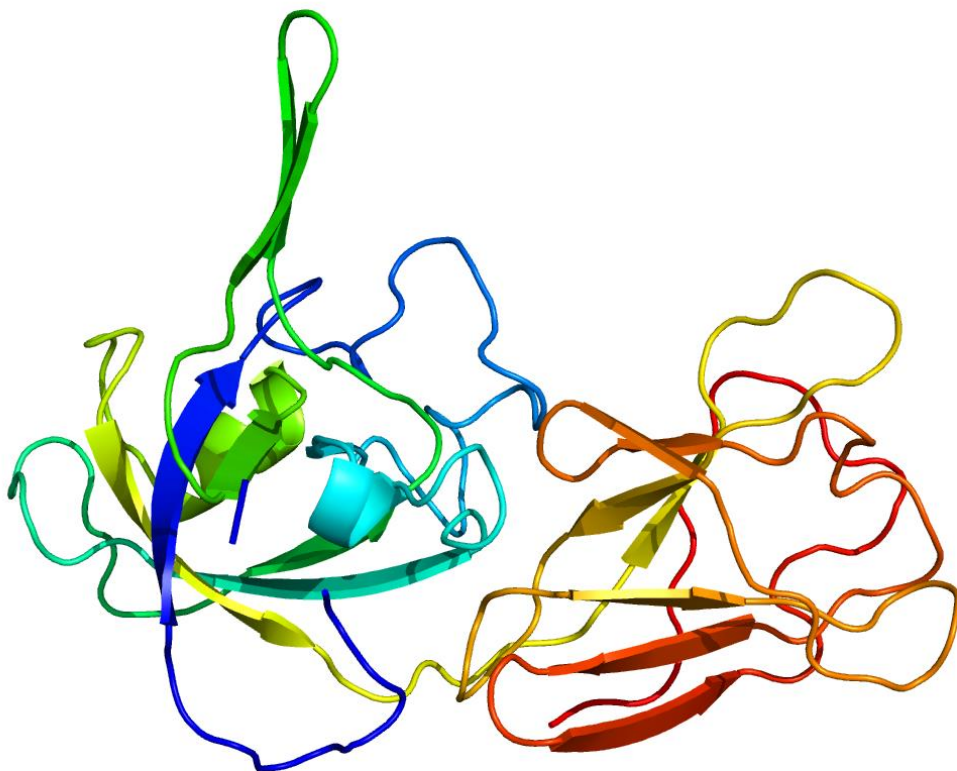
Locus: Sphfalx0045s0004

Gene Model: Sphfalx0045s0004.1.p

Description: SfEXPA-17

Family: Alpha Expansin

3D structure:



GENOME DATABASES

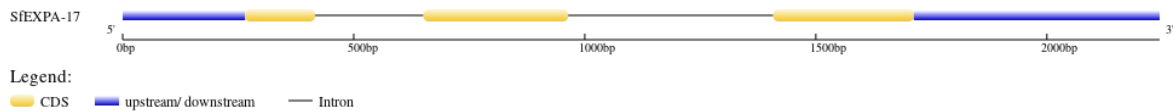
Phytozome: https://phytozome-next.jgi.doe.gov/info/Sfallax_v0_5

KEGG:-

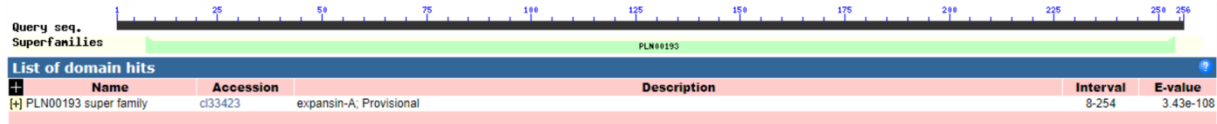
EXTERNAL RESOURCES

-

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SfEXPA-17

MARLIAFRTAAVWALVTVALLQAASAQLDTGAWQQAHAATFYGGSDASGTMGGAC
GYGDLYSQGYDTNTAALSTVLFNNGVSCGACFEIQCYGSKWCTGSNSVVVTATNFC
PPNPAQANNNGGWCNVPLPHFDMAMPAFLQFAQYVGGIVPVNYRRVPCVKTTGGIRF
TINGNPWFDLVLTNVGGAGDVTALSIKGGTGPWIQMTRNWGQNWQAGANLVGQS
LSFLVTTSDGRQVASTNVAPSNWYFGETFEQSQF*

CDS (coding sequence)

>SfEXPA-17

ATGGCGAGGTTGATCGCATTTCAGGACAGCAGCGGTTTGGGCGCTTGTAACAGTAG
CCTTGTTGCAAGCCGCCAGTGCGCAATTGGACACAGGCGCCTGGCAGCAAGCGC
ACGCTACATTCTATGGCGGCAGTGATGCCTCGGGGACGATGGGTGGTGCCTGTGG
ATACGGGGATCTGTATAGTCAAGGATATGACACCAACACAGCGGCCTTGAGCAC
GGTCCTTTTCAACAATGGAGTGTCTGTGCGGAGCCTGCTTCGAGATCCAATGCTAC
GGGAGCAAGTGGTGCCTGGGAGTAACTCAGTTGTAGTGACTGCTACAACTTCT
GTCCACCTAACCTGCGCAAGCCAACAACCGGAGGATGGTGCAATGTCCCCTT
ACCCCACTTCGACATGGCCATGCCTGCGTTCCTCCAGTTTGCAGTACGTCCGC
GGCATTGTTCTGTCAACTATAGAAGGGTTCATGCGTCAAGACTGGAGGGATTC
GTTTACCATCAACGGAAACCCCTGGTTCGATCTGGTATTGGTGACCAACGTGGG
TGGCGCTGGAGACGTGACCGCGCTGTCGATCAAGGGTGGTACAGGTCCGTGGATT
CAAATGACCCGTAATTGGGGACAGAAGTGGCAAGCGGGCGCTAACTTGGTAGGA
CAGAGCTTGTCCTTCCTCGTCACCACAAGCGATGGTAGACAAGTCGCATCCACAA
ACGTCGCCCCGTCCAACCTGGTATTTCCGGTGAACATTCGAAGGCTCTCAGTTCTG
A

Nucleotide

>SfEXPA-17

GGCCGTCGCAATTTTCGAGACAAGTGCAGGGAAGACGACGACGTTCTTATTAGCTG
CTGTGCGCATTGATCACTCTCTGGCAGGCAAGTTCTAACTGTTAGCTGTTGTTTCGA
GGGCCGATTGACGTAAGTGAATGCTCTTGTACGTCTAGCGGTTCGCGTTTGAGA
AGAGATGGATCATCGGTTTTAGAGCACCGCCTCAATTACTAGTCGTCTTTTGGTTG

AATACGGGATCATGAATGTTTCGAGGTTCTCGTTATGCAGGAAATGGCGAGGTTG
ATCGCATT CAGGACAGCAGCGGTTTGGGCGCTTGTAACAGTAGCCTTGTTGCAAG
CCGCCAGTGCGCAATTGGACACAGGCGCCTGGCAGCAAGCGCACGCTACATTCTA
TGGCGGCAGTGATGCCTCGGGGACGATGGGTATGCTCTTCGGTTACATGCAGACC
TTTTGTTTTTCGGTCCAAGTTCACAGTCAATCCTTGGTCAGACCGTGCTGCGTGAAT
TTCGAATGGATTGATCATCTGCTCAATCAGTGATGCGTTTGAATCCCGATCTGTCA
CGCTTGCTGGCACACTAGCATCGTCGTTGTCCTGGACACGAGTCTATGCTCGACTT
TATACTGATTTGATGATCTTATCTTTCTGCAATGTCTAGGTGGTGCGTGTGGAT
ACGGGGATCTGTATAGTCAAGGATATGACACCAACACAGCGGCCTTGAGCACGG
TCCTTTTCAACAATGGAGTGTCGTGCGGAGCCTGCTTCGAGATCCAATGCTACGG
GAGCAAGTGGTGC ACTGGGAGTAACTCAGTTGTAGT GACTGCTACAACTTCTGT
CCACCTAACCTGCGCAAGCCAACAACCGGAGGATGGTGCAATGTCCCCTTAC
CCCCTTCGACATGGCCATGCCTGCGTTCCTCCAGTTTGGCGAGTACGTCGGCGG
CATTGTTCTGTCAACTATAGAAGGTATGACGCTCAGCGGTTCTTGGCACACTACT
GTCCGACGTCTTTGATCTTGTGTAGCAGCCAAGTGGCCGAATTATAGAATGGCC
ATGTGGGATCTCACCAGGGGGTCGTGCAAGTCCTTGTGTTGTAATTTTTTGTAG
CAAGCATTTTGTGGTCATTCCCACGAATCATCAAAGTGCTAAAAGAGAGAAAATT
ATCTACAGTCATTCCGTC ACTAGTGATTTGACAGCATTTCCTATGAAGATGTGTTG
AGAACCTGGCATGCTCGCATTAGCATCAGCAAGAACAATTGAGATGGTAAAGAA
GAAAAACCTAGAGTACTGAACCACCAAGATACCTTAATAATTACTAGCTTGGTGT
TGATTC ACTCCGCATACATTTGGTACGTGTTTGGTGTGGAGACCACCGGAACTC
AGATTATGAGATGTGACCTTGTACAGGGTTCATGCGTCAAGACTGGAGGGATTC
GTTTACCATCAACGGAAACCCCTGGTTCGATCTGGTATTGGTGACCAACGTGGG
TGGCGCTGGAGACGTGACCGCGCTGTCGATCAAGGGTGGTACAGGTCCGTGGATT
CAAATGACCCGTAATTGGGGACAGA ACTGGCAAGCGGGCGCTAACTTGGTAGGA
CAGAGCTTGTCTTCCTCGTCACCACAAGCGATGGTAGACAAGTCGCATCCACAA
ACGTCGCCCCGTCCA ACTGGTATTTTCGGTGAAACATTCGAAGGCTCTCAGTTCTG
ATCACTGCAGCAACGGCTGCTGATCATCGATCAGCTCATGCATGGTTCAACCGCT
CGCGATTAATTCATGGAATCTTACCAAGATCGTCACACCTACTACATGTTCCGCAT
GCTGAAACAACAGATTTAGCTGCAACCTAGAAAATAATTTCTGCATATTCCACCA
GCTGCTGCTAGGTCCTAGTTATTCCACGACCCCACTAATTAATTCCTCGTAGAA
TCTAAGAAATCAACCCAATAGAACCGAATCTCACGCGATCGATGATCATCGGGCA
TCCATGAAATTATGGCGAGCGCGAAGCTCTACATATATTGATCACCATTACTTCTC
GGAAAATCTAGAATTAGTAGTGTGTCATTCTCTGATCTACTGGATGTTAGTCGCG
GATCGACGTCGAGCTGCTGCTCATGGACGCTGTGGTGATTTGCACAGACCACCG
CTCCGTGCCATCCTAGTTTGCAGCTTAGATTGCAAAAAGCAACCGGTTCGATCCTGC
TGCGAACGAATCCATGATGCAAACGAAGATCCTG