

IDENTIFICATION

Species: *Sphagnum fallax*

Locus: Sphfalx0086s0082

Gene Model: Sphfalx0086s0082.1.p

Description: SfEXPA-21

Family: Alpha Expansin

3D structure:



GENOME DATABASES

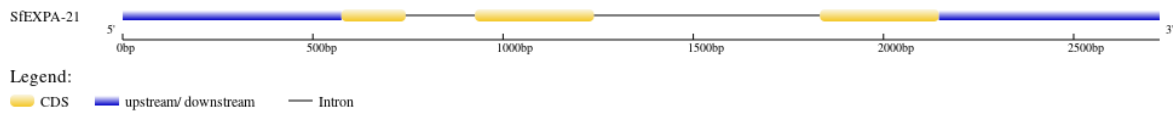
Phytozome: https://phytozome-next.jgi.doe.gov/info/Sfallax_v0_5

KEGG:-

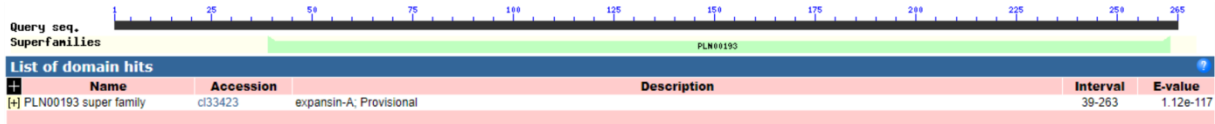
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SfEXPA-21

MKQLMAKILRALIFVLALTACARQAQAQVSGLYTGDPTWSNAHATFYGGSDATGTQ
GGACGYGNLYSQGYGTNTAALSTALFNGLSCGACFELQCNEPRWCVPGATVTVTA
TNFCPPNPYLPNDNGGWCNMP LQHFDMAVPA YEQIAIYQAGIVPVLYRRVPCVKTG
GVHFTINGNPYFLLVLVTNVGGAGDVQSVSCKGDKPGSWWYPMQRNWGQNWQYS
GNAMDGQALSFMITTS DGRTL TLPDVAPSNWQFGQTFEGAQF*

CDS (coding sequence)

>SfEXPA-21

ATGAAGCAGCTCATGGCCAAAATCCTGCGAGCTCTAATCTTCGTTTTGGCTCTGA
CTGCGTGCGCCCGTCAGGCGCAAGCTCAGGTTTCTGGCCTCTACACTGGTGATCC
AACATGGAGTAACGCACATGCAACATTCTATGGAGGAAGCGATGCAACGGGTAC
TCAAGGAGGTGCTTGCGGTTATGGGAACCTGTACAGTCAGGGCTATGGAACCAAC
ACAGCAGCTCTGAGCACGGCTCTCTTCAACAACGGCTTGAGCTGCGGAGCGTGCT
TTGAGCTCCAATGCAACGAGCCTCGATGGTGTGTACCGGGCGCGACAGTGACTGT
GACAGCCACCAACTTCTGTCTCCGAATCCTTATTTGCCAACGACAACGGTGGA
TGGTGCAACATGCCCTCCAGCATTTCGACATGGCTGTTCTTGCTTACGAACAGA
TTGCAATCTACCAAGCTGGAATCGTACCCGTTCTCTACCGCAGGGTGCCTTGTGTG
AAA ACTGGAGGAGTGCATTTACCATCAATGGAAACCCCTACTTTCTTCTGGTGC
TGGTGACGAATGTGGGTGGAGCAGGGGATGTACAGTCCGTGTCATGCAAGGGGG
ATAAGCCTGGCAGCTGGTGGTACCCAATGCAAAGAACTGGGGCCAGA ACTGGC
AGTACAGTGGCAATGCCATGGATGGCCAAGCCTTGTCTTTCATGATCACC ACTAG
CGATGGCAGGACCTTAACCTTACCAGATGTTGCTCCCTCAA ACTGGCAGTTTGGC
CAA ACTTTTGAAGGTGCCCAGTTCTAG

Nucleotide

>SfEXPA-21

TCCTTCGCCTTCTTCTCCTCACACTCCTCCTCCTCCTCCTCCACCATTTTCTCCTGCT
GCAGCTGCATTGCACTCATCTGCCAGCTGCCGGCACGCAAGACAGTCAGCCACTC
AGTTAGCTCGCTCTAGTGAGCCCGCCTTCGTCTCCACACAACACTCATTCTTACC
TCAATACGTAAGCTTTCTATTCTGGCGCATGTCTGTCCATGAGCGGGCGTGTGTCTG
GCGATTTCTGAAAGCTCCTTGTCTTGT TTTCTCGTCATTGCAATTCCTAGAAGTT

CTGTTTAGATCTTCGTATCTTTTTTATACGTTTGTTACTTGGATCTAATTATTGCA
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CCTTATTTGCCAACGACAACGGTGGATGGTGCAACATGCCCTCCAGCATTTCG
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TTCCTTAAAGTAGTAGAGAACTTTTCTAAATTTTGAACCATTGCTTTATTTGTGGAA
ATGTG