

IDENTIFICATION

Species: *Sphagnum fallax*

Locus: Sphfalx0011s0210

Gene Model: Sphfalx0011s0210.1.p

Description: SfEXPA-10

Family: Alpha Expansin

3D structure:



GENOME DATABASES

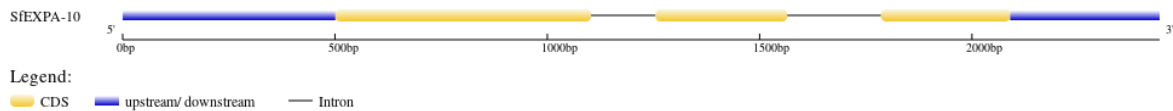
Phytozome: https://phytozome-next.jgi.doe.gov/info/Sfallax_v0_5

KEGG:-

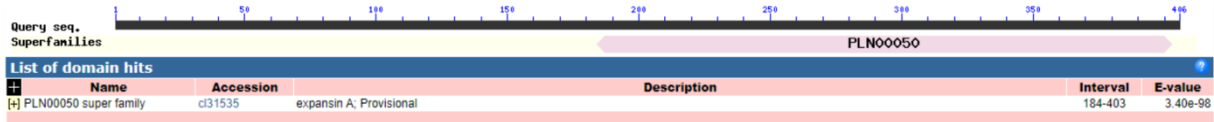
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SfEXPA-10

MMSTSSTTPQVLLQPAALVGFVAALLWFVSGSVVIAAADLGSGGSSFDDSALEAI
DNFVVGGGFATVSNVTTTNSTIPSSPSDGASVPAASPANDQSSTASEKEQFSSTSSSSP
TSSPTSDENHDSSDDAPVDNGREFRLNAYNEYEKAAEEFVRSSSSSTYNNPGTGETEG
VSLGASASVWSRGTATFYGGADASGTMGGACGYGNLYATGYGTATAALSTALFN
NGAMCGACYQLMCSGSPWCIPGAISVTATNFCPPNWAQASNNGGWCNPPRPHFDLA
EPIFLRIGHYKAGIIPVYRRINCVKAGGIRFTINGNPFNLVTITNVGGSGIVVA VRMR
GDHTAWYPMARNWGQNWQCSWKLVGQGIWFMVTTSDGRVTTSRVANANWRFQG
TFEGAQVR*

CDS (coding sequence)

>SfEXPA-10

ATGATGTCGACGTCGAGTACTACTACCCCTCAGGTGCTTCTTCTTCAGCCCGCGGC
GCTAGTGGGATTTGTGGCTGCACTGTTGTGGTTTGTGAGCGGATCAGTAGTAATA
GCAGCAGCAGACTTGGGTTCCGGAGGATCAAGCTTCGATGATTCAGCGTTGGAGG
CGATCGACAACTTCGTGGTTGGAGGTGGATTTGCGACTGTGAGCAATGTGACGAC
GACTAATAGCACGATCCCTTCATCACCATCGGATGGTGCTTCCGTGCCTGCAGCT
AGCCCGCAAACGATCAATCATCGACAGCTAGTGAGAAGGAGCAATTCTCATCG
ACATCTTCTTCTTCTCCGACGTCGTCACCCACTAGTGATGAAAATCATGATAGCAG
CGATGATGCGCCAGTAGATAACGGTTCGAGAATTCAGATTGAATGCGTACAACGA
GTACGAGAAAGCGGCTGAAGAGTTTGTGCGGTCTAGCTCCAGCACGTACAACAA
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TGGTCTCGTGGAAGTCAACTTTCTACGGTGGTGCTGATGCTTCCGGCACTATGG
GTGGAGCTTGCGGATATGGGAACCTGTACGCTACAGGCTACGGGACAGCTACCG
CCGATTGAGCACGGCATTGTTCAACAACGGAGCAATGTGCGGAGCCTGTACCA
ACTCATGTGCTCCGGATCTCCCTGGTGTATTCCCGGAGCAATAAGTGTGACGGCG
ACCAACTTCTGCCCACCAACTGGGCTCAAGCTTCCAACAACGGCGGATGGTGCA
ACCCACCCAGGCCGCACTTCGACTTGGCAGAACCCATTTTCTTGAGAATTGGGCA
CTATAAAGCAGGCATCATTCCCGTTGTATATCGCAGGATCAATTGTGTCAAGGCA
GGAGGAATCCGGTTCACCATCAACGGGAACCCGTTTTTCAACCTGGTGACGATCA
CCAACGTGGGTGGATCTGGAATCGTGGTGGCGGTGAGGATGAGAGGGGATCACA
CAGCTTGGTACCCCATGGCAAGGAAGTGGGGACAGAACTGGCAGTGTAGTTGGA

AGCTCGTGGGGCAAGGCATTTGGTTCATGGTCACCACAAGCGATGGCAGAGTCAC
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CAGGTCCGCTAA

Nucleotide

>SfEXPA-10

GATTGTACGTACGTACCCATTTCTTCTTCTTCGTCTAGTTCCTCGTAATCTCCCTAG
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TAGTGGGATTTGTGGCTGCACTGTTGTGGTTTGTGAGCGGATCAGTAGTAATAGC
AGCAGCAGACTTGGGTTCCGGAGGATCAAGCTTCGATGATTCAGCGTTGGAGGCG
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CCAGTTTTCTTCCAGGAGCTCCATGACTATCAGTCTCACAACACAAAAAGTTTCTT
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