

IDENTIFICATION

Species: *Solanum pennellii*

Locus: XP_015084489

Gene Model: XP_015084489.1

Description: SpnEXPA-21

Family: Alpha Expansin

3D structure:



GENOME DATABASES

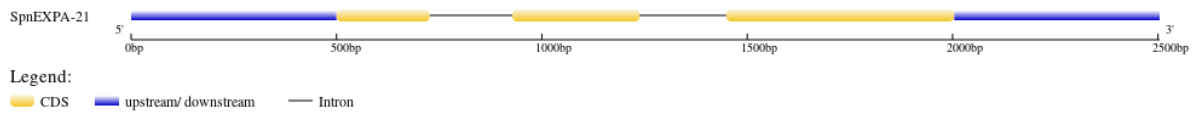
NCBI: <https://www.ncbi.nlm.nih.gov/genome/?term=Solanum+pennellii>

KEGG: <https://www.genome.jp/entry/gn:T04130>

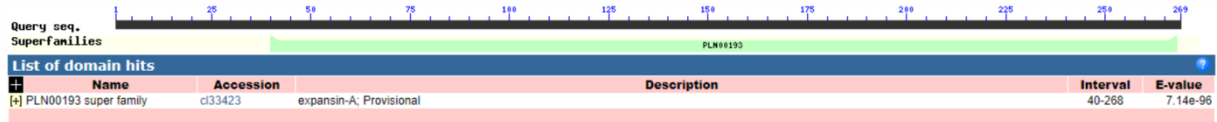
EXTERNAL RESOURCES

https://solgenomics.net/organism/Solanum_pennellii/genome

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SpnEXPA-21

MVSFNYKLSLIFLIIVSMTFSHQAMAAASYSTPSISPTMFKAMPWKQAFATFYGDETA
SETMGGACGYGNLFNSGYGTATAALSTVLFNGYSCGQCFQIMCVKSKFCYTGFTTI
TATNLCPPNWSQDSNHGGWCNPPRQHFDMSKPAFMKIAQWKAGIVPVSYRRVPCIK
KGGIKFALQNGYWLLVYVMNVAGGGDVASMWVKGSKTGWMSMSHNWGASYQ
AFATLSGQTLSEFKLTSYTSHQTIIVNNVAPSNWRVGMTYQANVNFR

CDS (coding sequence)

>SpnEXPA-21

AACATTTTCATTCCTTAGAGAAAAAAAAACAACAAAACACTATGGTATCTTTAAT
TACAAATTGAGTTTGATTTTCTTGATAATTGTGTCAATGACATTTTCTCATCAAGC
TATGGCTGCAGCCTCTTATTCCACCCCTCCATTAGCCCCACTATGTTCAAAGCCA
TGCCTTGAAACAAGCTTTTGCCACATTTTATGGAGACGAAACTGCTTCTGAAAC
AATGGGTGGGGCTTGTGGATATGGAACTTGTTTAATTCAGGTTATGGAACAGCA
ACAGCAGCATTAAAGCACAGTATTATTTGGCAATGGATATTCATGTGGTCAATGTT
TTCAAATAATGTGTGTAATAAATCAAATTTTGCTATACAGGGTTCACCACAATTAC
AGCCACAAACCTTTGTCCACCTAATTGGTCCCAAGATTCAAACCATGGTGGATGG
TGCAACCCACCACGCCAACATTTTGACATGTCAAACCTGCTTTCATGAAAATTG
CCCAATGGAAGGCTGGCATTGTCCCGTCTCGTATCGCAGGGTACCTTGTATTAA
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AAAACAGGATGGATGAGCATGAGCCACAATTGGGGAGCATCATATCAAGCATTT
GCAACACTTTCAGGCCAAACTCTCTCATTCAAGCTCACTTCATACACATCTCATCA
GACAATTATAGTTAATAATGTTGCACCTTCTAATTGGCGCGTAGGCATGACTTAC
CAAGCAAATGTCAACTTTCGTTAATCGAGCCAGTAGATTCTGAATACTTACTTCTA
AGCCTTCTAGAAGTCCCGATCCCGAGCCTCTATTATAGGCAATATTTTTCACCTTT
CACTTTCTTTTTTTTCTAGGCGCCCTTCAAGGAGTGGTGGCACCATCTTTTGTCTC
TTGTTGTTATTTTTCATAAACTTTTATTTTGTGATATTGTACCCTAGTCTTTCATC
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Nucleotide

>SpnEXPA-21

TCTTTGCATGACATGTTTTATGTTTAAGATTAGAAGATTA AAAAGAAATTTTGATAC
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AAACATTTGACTTATAATTTATACTTTAATTTTTTATAAAA CAATTGACTTAATATC
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