

IDENTIFICATION

Species: *Manihot esculenta*

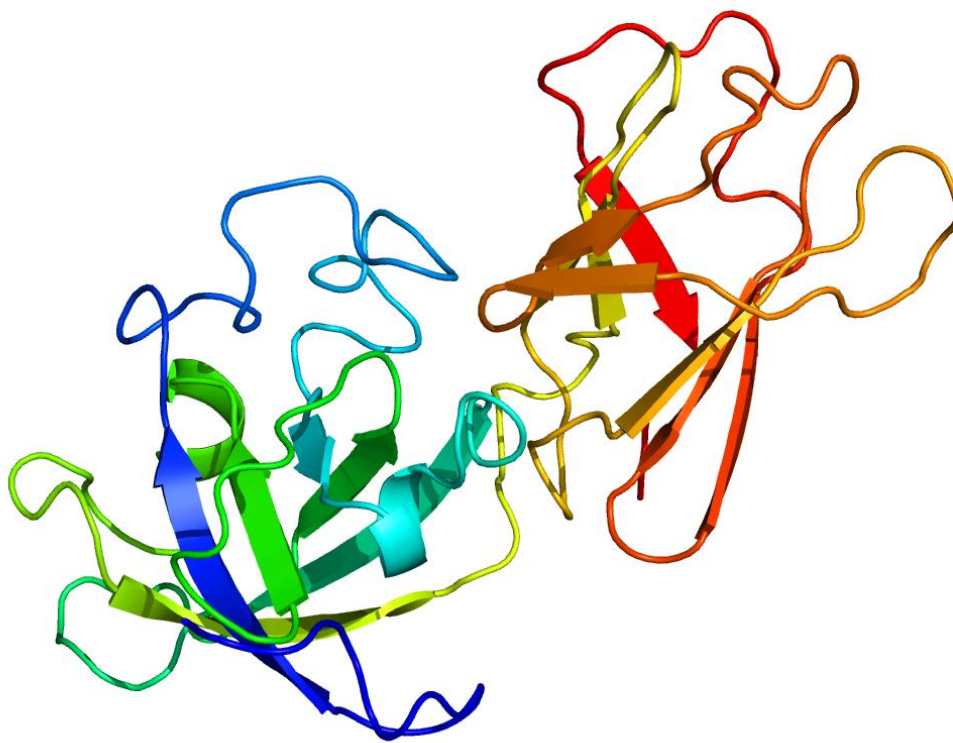
Locus: Manes.07G081300

Gene Model: Manes.07G081300.1

Description: MsEXPA-17

Family: Alpha Expansin

3D structure:



GENOME DATABASES

Phytozome: https://phytozome-next.jgi.doe.gov/info/Mesculenta_v7_1

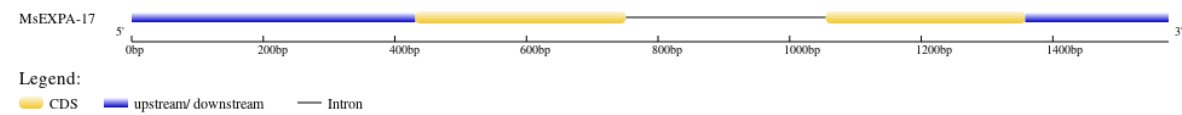
KEGG: <https://www.genome.jp/entry/T05761>

EXTERNAL RESOURCES

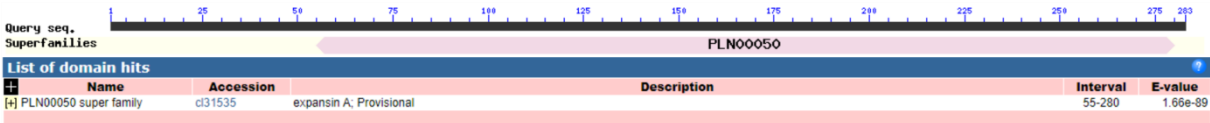
<https://cassavagenome.org/>

<https://cassavabase.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>MsEXPA-17

MGTL SIPFSKEKMSLPPPLNPIHTLLLSLFFTFSLPATSHTFSSSSPPQLSTSLSEWQSAH
ATYYAASDPRDYVGGACGYGDLGKAGYGLATVGLSEAMFERGQMCGACFELRCVE
DLRWCIPGTSVIVTVTNFCAPNYGFTADGGGHCNPRNKHVLPPIESYEKIAIWKAGN
MPVQYRRIKCRKEGGIRFAVSGSGIYISVLISNVAGAGDITAVKIKGSRTGWLQMGRN
WGQNW HINADLKNQPLSFEVTTSDGITVTSYNVAPKNWSFGQTFEGKQFET*

CDS (coding sequence)

>MsEXPA-17

ATGGGCACCCTATCCATACCCTTTTCAAAGGAAAAAATGTCACTGCCACCACCTC
TAAACCCCATCCACACTCTTTTACTATCCCTTTTCTTCACGTTTTATTACCAGCCA
CTTCCCACACTTTCTCCTCTTCCTCTCCTCCACA ACTCTCCACCTCCCTCTCTGAGT
GGCAGTCTGCACATGCCACTTACTATGCTGCCTCTGACCCTCGTGACTATGTTGGT
GGTGCCTGCGGTTATGGAGATTTAGGGAAAGCAGGGTATGGGTGGCCACAGTG
GGCCTCAGCGAGGCAATGTTTCGAGCGGGGCCAGATGTGTGGTGCATGCTTCGAGT
TGCGGTGTGTGGAGGACCTGCGGTGGTGCATCCCTGGCACTTCTGTCAATTGTGAC
GGTTACTAATTTTTGCGCTCCCAACTATGGTTTCACTGCTGATGGTGGAGGCCACT
GTAATCCTCGAAACAAACACTTTGTCTTCCCATTGAGTCCTATGAGAAGATCGC
CATTTGGAAGGCTGGTAACATGCCTGTACAATACAGGAGGATAAAATGCAGAAA
GGAAGGAGGAATTCGATTTGCTGTCTCGGGATCAGGCATCTACATTTCACTACTG
ATCAGCAATGTTGCAGGAGCTGGTGATATAACTGCAGTGAAGATTAAAGGTTCAA
GAACAGGTTGGCTTCAAATGGGTAGGAACTGGGGTCAGAACTGGCATATCAATG
CTGATTTGAAGAATCAACCTCTCTCATTGAGGTTACTACTAGCGATGGAATCAC
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GGCAAGCAGTTTGAGACTTAG

Nucleotide

>MsEXPA-17

CTAAAAATCCTCATCTCTCTTTTTCTCTCTTTCTTTAGAGCATAGATTAGTGAA
CAAATCAATGGCTGCAAGGTCTGCATTTGGTGTGTTGTCTGTAGTGCTGTTGCTGA
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