

IDENTIFICATION

Species: *Asparagus officinalis*

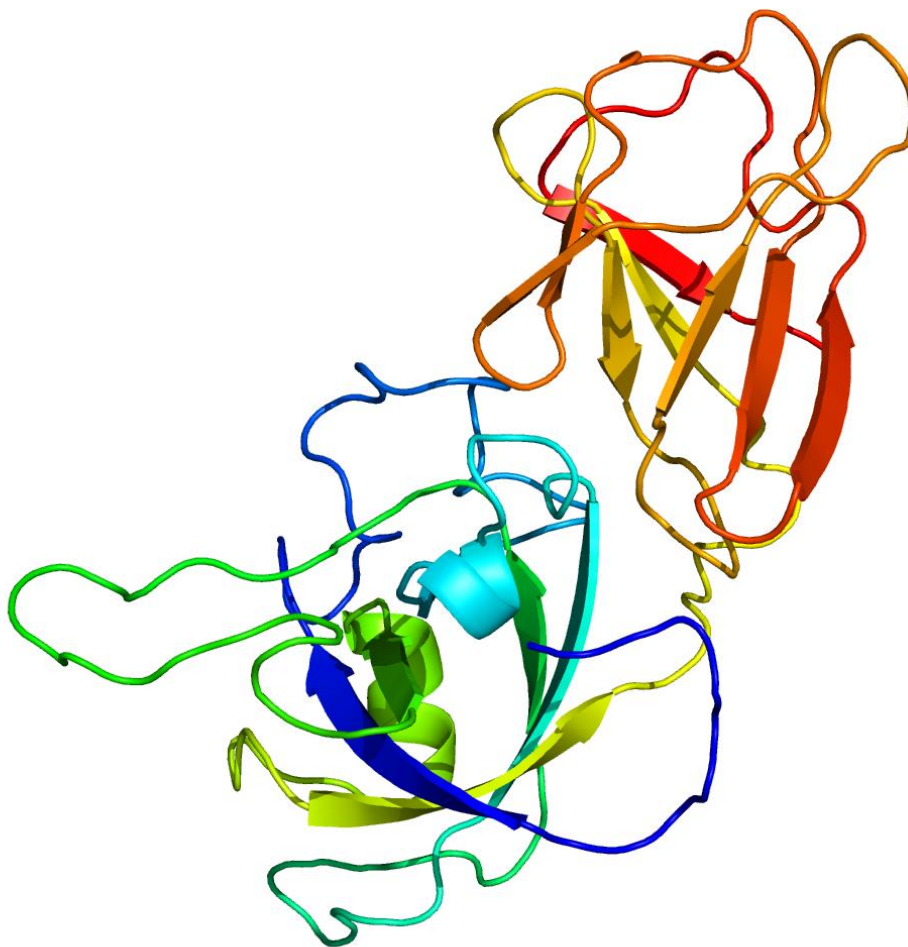
Locus: evm.model.AsparagusV1_01.1210

Gene Model: evm.model.AsparagusV1_01.1210

Description: AofEXPA-01

Family: Alpha Expansin

3D structure:



GENOME DATABASES

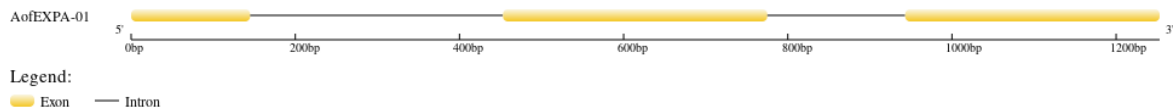
Phytozome: https://phytozome-next.jgi.doe.gov/info/Aofficinalis_V1_1

KEGG: <https://www.genome.jp/entry/T05243>

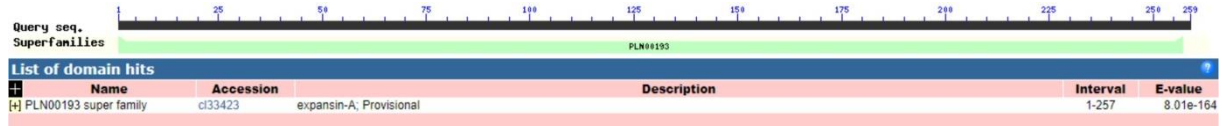
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>AofEXPA-01

MMSLAIFFNIFTLMATSYIFLAVEGFWPSGWTKATATFYGGSDASGTMGGACGYGN
LYSSGYGTRTAALSTALFNDGAACGQCYKIICDYRADPKWCIRGTSVRITATNFCPPN
FALPSNNGGWCNPPRQHFDMAQPAWEKIGIYRGGIVPVMYQRPCKKHGGVRFRTIN
GREYFELVLVTNVGGSGSVQSMDIKGSSTGWMSMSRNWGANWQSN AHLNGQSLSF
RVTTGDGETQVFPDIVPSNWGFGQTFSSRLQFS*

CDS (coding sequence)

>AofEXPA-01

ATGATGAGTCTAGCAATATTCTTCAACATCTTCACCTTGATGGCAACGAGCTACA
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GTTCTATGGCGGAAGTGATGCCTCCGGA ACTATGGGTGGGGCTTGTGGATATGGA
AATCTGTATTCATCTGGATATGGAACAAGGACTGCAGCCCTGAGCACCGCTCTGT
TCAACGACGGAGCTGCTTGCGGCCAATGTTACAAGATCATCTGTGATTACAGGGC
AGATCCCAAATGGTGCATCAGGGGCACCTCCGTGAGAATCACGGCGACCAACTTT
TGCCACCAAATTTTGCCTACCTAGCAATAATGGTGGTTGGTGCAACCCCCCTC
GCCAGCATTTTGACATGGCACAACCTGCGTGGGAGAAGATCGGCATATATCGTGG
GGGAATTGTGCTGTAATGTATCAAAGGGTTCCATGCAAGAAGCACGGTGGCGTG
AGGTTCACTATCAACGGACGTGAGTACTTTGAGCTTGTCTCGTAACGAATGTGG
GGGCAGCGGATCAGTCCAGTCCATGGACATCAAAGGATCAAGCACTGGCTGGA
TGTCGATGTCGAGAACTGGGGAGCGAATTGGCAATCAAACGCTCATCTTAACGG
TCAATCTTTATCGTTCGCGTCA CCACTGGCGACGGAGAAACCAAGTTTTCCCTG
ACATCGTTCCGTCGAATTGGGGATTTGGCCAGACATTCTCGAGCCGTCTGCAGTT
CTCTTGA

Nucleotide

>AofEXPA-01

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CTGCGTGGGAGAAGATCGGCATATATCGTGGGGGAATTGTGCCTGTAATGTATCA
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ACCATCGTGTAACAATCCATGCTTCCGTGCGTGAAAATGCTCTTCTTGACTCTCA
AATATTAATATTTTTACTGGTACATTGAAGAGGACTAATTAATACCCTCTTGATGT
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GAGTACTTTGAGCTTGTCTCGTAACGAATGTGGGGGGCAGCGGATCAGTCCAGT
CCATGGACATCAAAGGATCAAGCACTGGCTGGATGTCGATGTCGAGAACTGGG
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CACCCTGGCGACGGAGAAACCAAGTTTTCCCTGACATCGTTCCGTGCAATTGG
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