

IDENTIFICATION

Species: *Asparagus officinalis*

Locus: evm.model.AsparagusV1_07.1041

Gene Model: evm.model.AsparagusV1_07.1041

Description: AofEXPA-09

Family: Alpha Expansin

3D structure:



GENOME DATABASES

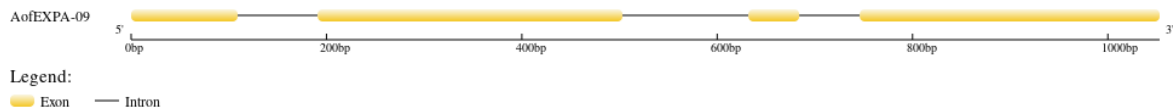
Phytozome: https://phytozome-next.jgi.doe.gov/info/Aofficinalis_V1_1

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

EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>AofEXPA-09

MALRIASALVMLFTLLISDLGGSAAFYGGGDASGTMGGACGYGNLYTDGYGVKNA
ALSTALFNSGASCSCYQIVCDAAKDPQWCKRGTYYITITAKISARRTTIAPSNNGGCR
ESISTCLSLGRPSPYTAEELSPCITEGGIPATIKLEDSGREIHWVRCGRTGGVRFITNGR
NYFELVLVTNVGGSGVVSAMWIKGSNTDWQMSRNWGMNWQSFSYLNQQLSFR
VQTDDGRVKTFYINVAPSNWQFGQTFSTSYQF*

CDS (coding sequence)

>AofEXPA-09

ATGGCTCTGAGAATTGCAAGTGCATTGGTCATGCTTTTCACATTGCTCATCTCCGA
CCTCGGAGGTTTCGGCGGCTTTCTATGGCGGAGGCGACGCCTCGGGTACAATGGGC
GGCGCTTGTGGATATGGAAACCTGTACACCGATGGTTACGGAGTGAAAAATGCA
GCGCTGAGCACCGCGCTGTTCAACAGCGGAGCTTCCTGTGGCTCCTGTTATCAGA
TTGTCTGTGACGCTGCGAAGGACCCGAGTGGTGCAAGAGAGGCACGTACATAA
CAATCACCGCCAAAATTTCTGCCCGCCGAACACTACAATTGCTCCGAGTAACAACGG
CGGGTGCCGAGAAAGCATTTCGACATGTCTCAGCCTGCTTGGGAGACCATCGCCA
TATACCGCGGAGGAATTGTCCCCGTGTATTACAGAAGGGGGTATACCTGCTACAA
TAAACTAGAGGACTCGGGCGTGAGATTCAGTGGGTTTCGGTGCGGGAGGACTG
GGGGCGTGAGATTCACGATCAACGGAAGGAAGTTCGAGCTGGTTCTGGTGAC
CAATGTAGGAGGAAGCGGGGTTGTGTCAGCAATGTGGATCAAAGGTTTCGAACAC
AGACTGGCAAACGATGAGCAGGAAGTGGGGGATGAACTGGCAGAGCTTCTCGTA
CCTCAACGGACAGAGCCTGTCCTTCAGGGTGCAGACCGACGACGGAAGGGTCAA
GACCTTCTACAACGTGGCGCCCTCTAATTGGCAGTTCGGTCAGACCTTTTCGACGT
CGTACCAGTTTTAG

Nucleotide

>AofEXPA-09

ATGGCTCTGAGAATTGCAAGTGCATTGGTCATGCTTTTCACATTGCTCATCTCCGA
CCTCGGAGGTTTCGGCGGCTTTCTATGGCGGAGGCGACGCCTCGGGTACAATGGGT
GAGTACCTCGTACTTCTTGTATAAATATCTATATATATCGCGGTA AAAAGATTCAA
ATGAGTATTGTGGATTTAATTCAGGCGGCGCTTGTGGATATGGAAACCTGTACAC
CGATGGTTACGGAGTGAAAAATGCAGCGCTGAGCACCGCGCTGTTCAACAGCGG

AGCTTCCTGTGGCTCCTGTTATCAGATTGTCTGTGACGCTGCGAAGGACCCGCAG
TGGTGCAAGAGAGGCACGTACATAACAATCACCGCCAAAATTTCTGCCCGCCGA
ACTACAATTGCTCCGAGTAACAACGGCGGGTGCCGAGAAAGCATTTCGACATGTC
TCAGCCTGCTTGGGAGACCATCGCCATATAACCGCGGAGGAATTGTCCCCGTGTAT
TACAGAAGGTAACAATGACCATAAATTCTGGGGTTAATTGCAGGCAGTTTAGCCA
GTTTCGATCTTAACTACCCGTCTAGTTCTGTTGCTGTTGCGGATAACACCCTCGAGT
AAAATTTCTAAACATATTTCACTCAGGGGGTATACCTGCTACAATAAACTAGAG
GACTCGGGGCGTGAGATTCAGTGGTTGCCAATTATATATCATTCCCTCCGAATTGA
CATAGTATTTTTCGAACACGAGATTTGCAGGGTTCGGTGCGGGAGGACTGGGGGC
GTGAGATTCACGATCAACGGAAGGAAGTTCGAGCTGGTTCTGGTGACCAATG
TAGGAGGAAGCGGGGTTGTGTCAGCAATGTGGATCAAAGGTTTGAACACAGACT
GGCAAACGATGAGCAGGAAGTGGGGGATGAACTGGCAGAGCTTCTCGTACCTCA
ACGGACAGAGCCTGTCCTTCAGGGTGCAGACCGACGACGGAAGGGTCAAGACCT
TCTACAACGTGGCGCCCTCTAATTGGCAGTTCGGTCAGACCTTTTCGACGTCGTAC
CAGTTTTAG