

IDENTIFICATION

Species: *Arabidopsis halleri*

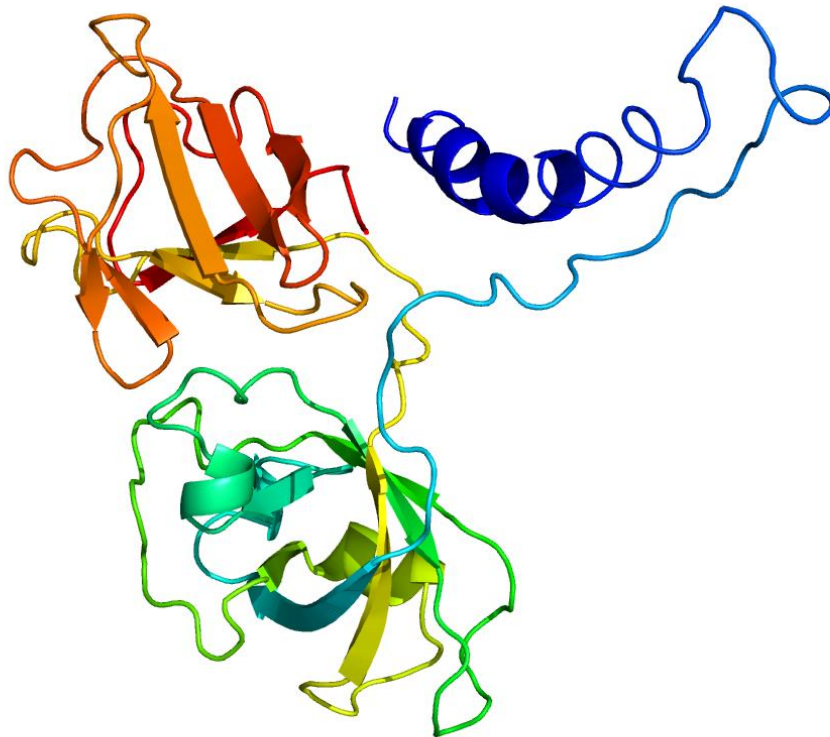
Locus: Araha.22789s0002

Gene Model: Araha.22789s0002.1

Description: AhEXPA-15

Family: Alpha Expansin

3D structure:



GENOME DATABASES

Phytozome: https://phytozome-next.jgi.doe.gov/info/Ahalleri_v1_1

EXTERNAL RESOURCES

https://plants.ensembl.org/Arabidopsis_halleri/Info/Index

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>AhEXPA-15

MKLEKMTYVECFMIIMATWFMFISYGHGADVAEPPMIDDVAASPGTNGLDTAWY
DARATYYGDIHGVGTEPTAALSTALFNNGATCGACYEIMCARNPQGCLSGSIKITAT
NLCPPDSTWCNLPNKHFDLSLPMFIKIAQVKAGIVPVRVRRVPCAKTGGVKFEVKGN
PSFLTILPYNVGGAGDIKAVYVKGSKTGWIAMSRNWGQNWTTNVSLTGQSVSLRVT
TSDGVTKDFTDVMPQSWGFGQTFDGKTNF*

CDS (coding sequence)

>AhEXPA-15

ATGAAATTGTTAGAAAAAATGACATATGTAGAATGTTTTATGATAATAATGGCGA
CTTGGTTCATGTTTCATAAGTTATGGTCATGGAGCCGATGTAGCCGAACCACCCAT
GATTGATGATGTAGCCGCTTCACCTGGAACCAACGGACTCGATACTGCTTGGTAT
GATGCACGAGCCACATATTATGGTGATATCCATGGTGTAGGCACTGAACCCACAG
CGGCATTGAGCACGGCGCTATTCAACAACGGGGCCACATGTGGGGCTTGTTACGA
GATCATGTGCGCTCGTAATCCACAAGGGTGTGTCCGGATCCATCAAGATCACA
GCAACAAATTTATGTCCACCAGATTCAACTTGGTGCAACCTACCAAATAAACACT
TTGATCTCTCCTTACCAATGTTTCATCAAGATCGCCAGGTCAAAGCCGGGATTGTC
CCGGTTAGATACAGACGTGTTCCCTTGTGCAAAAACCGGTGGTGTCAAGTTTGAAG
TTAAAGGAAACCCTAGTTTCCTAACGATCTTACCGTACAATGTTGGAGGAGCCGG
AGATATTAAGCCGTGTATGTTAAGGGAAGCAAACCGGGTGGATAGCAATGAG
CAGAACTGGGGACAAAACCTGGACCACTAATGTTAGTCTAACCGGTCAGAGTGT
ATCATTGAGGGTTACAACGAGTGATGGGGTTACAAAGGATTTTACTGATGTGATG
CCACAAAGTTGGGGATTTGGGCAGACTTTTGATGGAAAGACTAACTTTTAA

Nucleotide

>AhEXPA-15

ATGAAATTGTTAGAAAAAATGACATATGTAGAATGTTTTATGATAATAATGGCGA
CTTGGTTCATGTTTCATAAGTTATGGTCATGGAGCCGATGTAGCCGAACCACCCAT
GATTGATGATGTAGCCGCTTCACCTGGAACCAACGGACTCGATACTGCTTGGTAT
GATGCACGAGCCACATATTATGGTGATATCCATGGTGTAGGCACTGAACGTAAGT
TAAAATACTAATAATTTGTCGAATCTAATTATTACATTGATGNNNNNNNNNNNNNN
NN
NN
NNNGTGATC
CAAACAAACATGGATATGGTCTAGCCACAGCGGCATTGAGCACGGCGCTATTCA
ACAACGGGGCCACATGTGGGGCTTGTTACGAGATCATGTGCGCTCGTAATCCACA
AGGGTGTGGTCCGGATCCATCAAGATCACAGCAACAAATTTATGTCCACCAGAT
TCAACTTGGTGCAACCTACCAAATAAACACTTTGATCTCTCCTTACCAATGTTTCAT
CAAGATCGCCCAGGTCAAAGCCGGGATTGTCCCGGTTAGATACAGACGTGTTTCCT
TGTGCAAAAACCGGTGGTGTCAAGTTTGAAGTTAAAGGAAACCCTAGTTTCCTAA
CGATCTTACCGTACAATGTTGGAGGAGCCGGAGATATTAAGCCGTGTATGTTAA
GGGAAGCAAAAACCGGGTGGATAGCAATGAGCAGAACTGGGGACAAAACCTGGA
CCACTAATGTTAGTCTAACC GGTCAGAGTGTATCATTGAGGGTTACAACGAGTGA
TGGGGTTACAAAGGATTTTACTGATGTGATGCCACAAAGTTGGGGATTTGGGCAG
ACTTTTGATGGAAAGACTAACTTTTAA