

IDENTIFICATION

Species: *Amaranthus hypochondriacus*

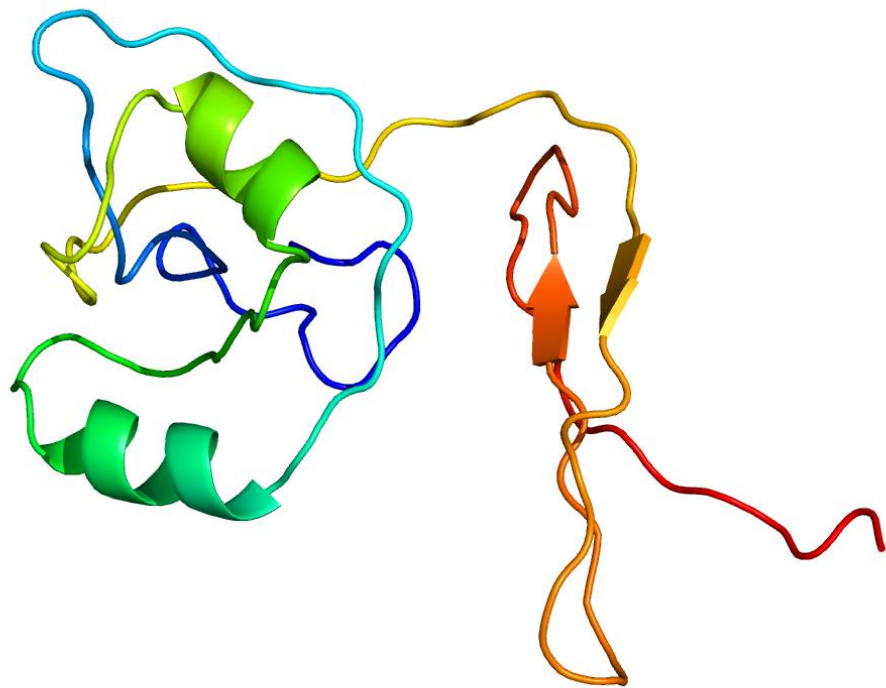
Locus: AH017527

Gene Model: AH017527-RA

Description: AhyEXPA-12

Family: Alpha Expansin

3D structure:



GENOME DATABASES

Phytozome: https://phytozome-next.jgi.doe.gov/info/Ahypochondriacus_v2_1

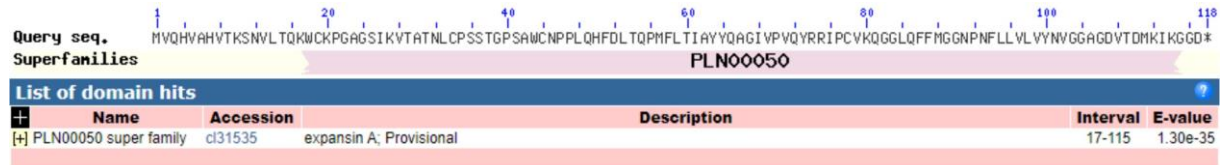
EXTERNAL RESOURCES

<https://www.ncbi.nlm.nih.gov/genome/?term=amaranthus+hypochondriacus>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>AhyEXPA-12

MVQHVAHVTKSNVLTQKWCKPGAGSIKVTATNLCPSSTGPSAWCNPLQHFDLTQPMFLTIAYYQAGIVPVQYRRIPC VKQGG LQFFMGGNPNFLLVLVYNVGGAGDVTDMKIKGGD*

CDS (coding sequence)

>AhyEXPA-12

ATGGTTCAACATGTGGCGCATGTTACGAAATCCAATGTGT TAACTCAAAAATGGT
GCAAACCCGGAGCCGGATCCATCAAAGTAACCGCCACAACTTATGTCCATCCTC
CACGGGCCCATCGGCCTGGTGCAATCCTCCTTTACAACACTTTGATTTAACCAGC
CCATGTTTCTTACAATTGCTTATTACCAAGCCGGGATTGTACCGGTT CAGTATAGG
AGAATTCCTTGTGTAAACAAGGGGGGCTTCAGTTTTTTATGGGTGGAAACCCGA
ATTTTTTGTGGTTTTTGGTTTTATAATGTGGGTGGGGCGGGTGATGTAACGGATATG
AAGATAAAGGGGGGGGACTAA

Nucleotide

>AhyEXPA-12

ATGGTTCAACATGTGGCGCATGTTACGAAATCCAATGTGT TAACTCAAAAATGGT
GCAAACCCGGAGCCGGATCCATCAAAGTAACCGCCACAACTTATGTCCATCCTC
CACGGGCCCATCGGCCTGGTGCAATCCTCCTTTACAACACTTTGATTTAACCAGC
CCATGTTTCTTACAATTGCTTATTACCAAGCCGGGATTGTACCGGTT CAGTATAGG
AGAATTCCTTGTGTAAACAAGGGGGGCTTCAGTTTTTTATGGGTGGAAACCCGA
ATTTTTTGTGGTTTTTGGTTTTATAATGTGGGTGGGGCGGGTGATGTAACGGATATG
AAGATAAAGGGGGGGGACTAA