

IDENTIFICATION

Species: *Amaranthus hypochondriacus*

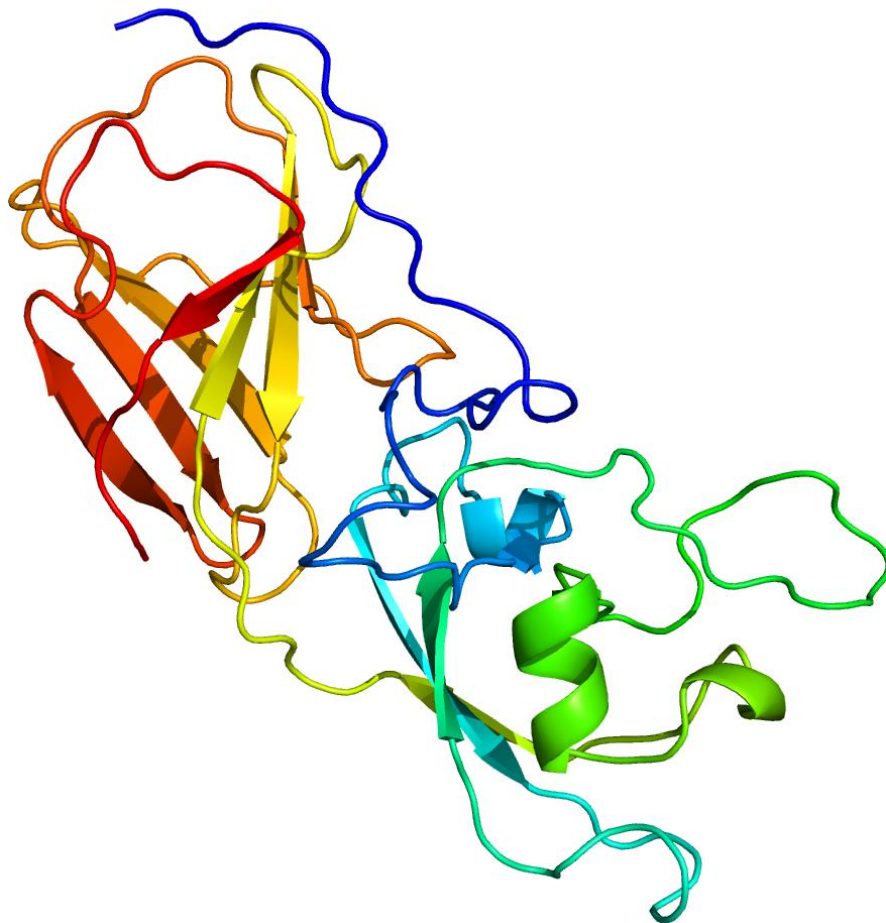
Locus: AH015397

Gene Model: AH015397-RA

Description: AhyEXPA-08

Family: Alpha Expansin

3D structure:



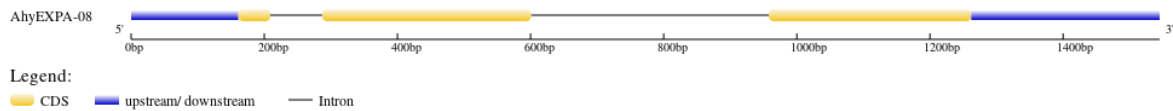
GENOME DATABASES

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

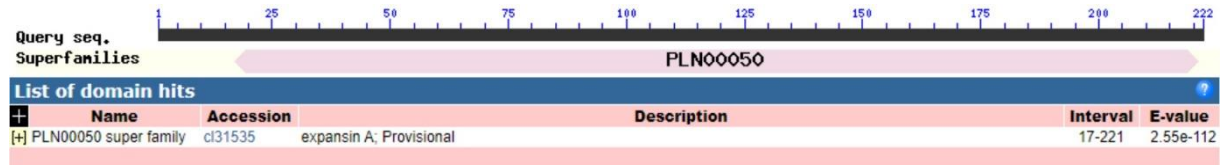
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>AhyEXPA-08

MLTPHFTVVVMPLVQWGGACGYGNLYSQGYGTSTAALSTALFNGLSCGACYELR
CNDDPRWCLSGSIIVTATNFCPPNPALPNNNGGWCNPPLQHFDLAEPSFLKIAQYRAG
IVPVSYRRVACVRKGGIRFTINGHSYFNLVLITNVGGAGDVHSVSIKGSRTGWQMSR
NWGQNWQSN SYLNGQTL SFQVTSSDGR TVTSNNV VPAGWQFGQTFEGRQF*

CDS (coding sequence)

>AhyEXPA-08

ATGCTCACGCCACATTTTACGGTGGTGGTGGTGCCTCTGGTACAATGGGGGGGAG
CATGTGGGTATGGAAATTTGTACAGCCAAGGGTACGGAAGTACGACAGCAGCTCT
AAGTACAGCGCTGTTCAACAATGGGTTGAGCTGCGGAGCTTGTTATGAGCTGCGC
TGCAATGATGACCCGAGATGGTGTCTGTCAGGAAGCATTATCGTAACAGCAACCA
ATTTCTGTCCTCCAAATCCAGCTTTGCCAAACAATAATGGTGGATGGTGTAACTCT
CCTCTTCAACACTTTGATTTGGCTGAGCCTTCTTTCTTGAAGATTGCTCAGTACCG
TGCTGGAATTGTCCCTGTTTCCTATAGGAGGGTAGCTTGTGTAAGAAAAGGAGGA
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TGGCGGGGCCGGTGACGTCCACTCGGTTTCAATCAAGGGTTCAAGGACAGGATG
GCAGTCTATGTCTAGGAATTGGGGTCAA AATTGGCAAAGCAACTCTTACCTTAAC
GGCCAAACCCTCTCTTTTCAGGTTACTTCTAGCGATGGAAGGACGGTTACTAGCA
ACAATGTTGTTCTGCGGGTTGGCAATTTGGCCAAACTTTTGAAGGTCGTCAATTT
TAA

Nucleotide

>AhyEXPA-08

TTGTTAACCCTTTTCCACAAAGCAACTAAGAAATACTCCTAATAAAAATAAAAGC
AAGTAACAATGGCAGCTTCTCCTTCATTCTCTATTGGTTTACTTGTGATTGTGATG
AATACATTCTCGGAAGCGCTTACGCCGCCTACGGGTGGTGGTTGGACCAATGCT
CACGCCACATTTTACGGTGGTGGTGGTGCCTCTGGTACAATGGGTAAAGTATACTA
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CAACGGCCACTCCTACTTCAACTTGGTACTTATCACAAATGTTGGCGGGGCCGGT
GACGTCCACTCGGTTTCAATCAAGGGTTCAAGGACAGGATGGCAGTCTATGTCTA
GGAATTGGGGTCAAATTTGGCAAAGCAACTCTTACCTTAACGGCCAAACCCTCTC
TTTTCAGGTTACTTCTAGCGATGGAAGGACGGTACTAGCAACAATGTTGTTCCCTG
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CATTTTCTTAATACATTTTTCATATATTTTATTTATGAAATTGTACTATATAGACATA
ATTAATTTGTGTAATACTTTATCGGTTTGGTAATAGTTGCTACTGATAATGACATG
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CCCATTTGAGGCTTGGCATTGCTGTGGTGGCTATTTGTTTGGCACCCGCTATAGGC
TATTTATTTGTATTTTTCTTTTTTTAGAGTAGGTATATATATAAATA