

IDENTIFICATION

Species: *Amaranthus hypochondriacus*

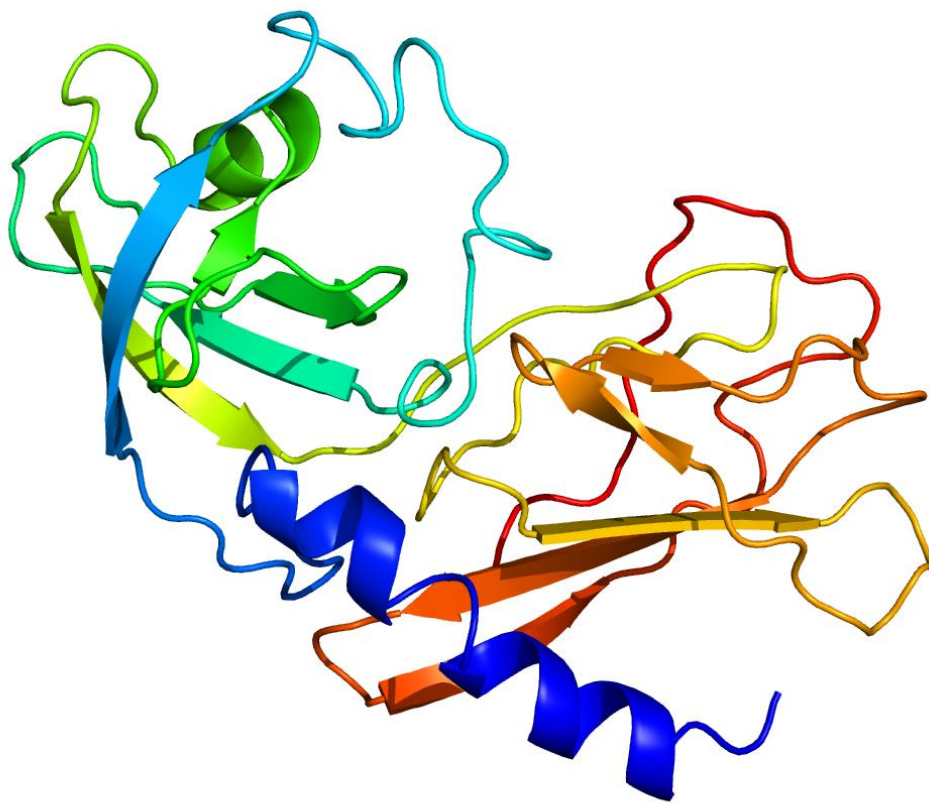
Locus: AH018216

Gene Model: AH018216-RA

Description: AhyEXLB-01

Family: Expansin Like Beta

3D structure:



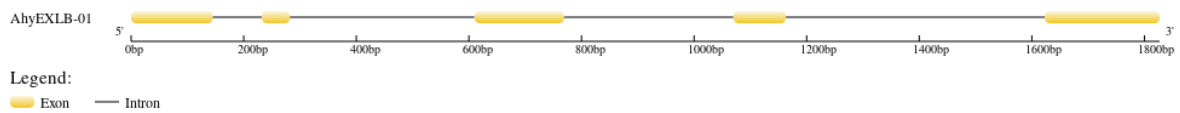
GENOME DATABASES

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

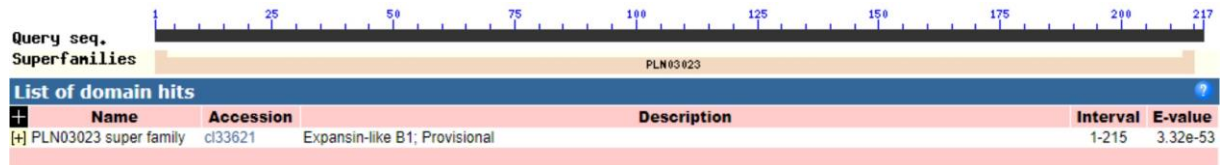
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>AhyEXLB-01

MKLSLYSRVYLLISLIILRCVANAQNCTDCFVQSRASYYPNSDENGTTNNGACGFGAF
GATVNGGDVRCNTNSNYCSDNGVTVVITDQSGDNTDFILSEHAFKMAQTPDAAAT
LKSLGIEESSNPSYLAFAIYYQQGVKDITAVQLCETQSFTCKLLQRDHGAVWTSTPPP
SGPLTIRMLFSDGDEADDSWIVPLNDIPENWTPGAIYDSGVQVN*

CDS (coding sequence)

>AhyEXLB-01

ATGAAACTTTCATTGTATAGTCGAGTTTACCTTCTGATATCCTTGATTATCCTGAG
ATGTGTAGCAAATGCACAAAATTGTAAGTACTGACTGTTTTGTTCAATCACGCGCATCA
TATTACCCAAACTCTGATGAAAACGGAACAAATAATGGAGCTTGTGGGTTTGGCG
CGTTTGGAGCTACTGTCAATGGTGGAGACGTGAGATGCACCAATAGCAATTACTG
CTCAGACAATGGGGTTACGGTGGTCATAACAGACCAAGGTTCCGGGGATAACAC
TGATTTTATCCTTAGTGAACATGCTTTTGCCAAGATGGCTCAAACACCAGATGCA
GCTGCAACTCTGAAATCTCTTGGTATTGAAGAGAGCAGCAGCAACCCAAGTTATC
TTGCTTTTGCTATCTATTATCAGCAAGGCGTAAAGGACATCACAGCTGTGCAACT
ATGCGAGACGCAAAGCTTTACCTGCAAGTTACTGCAGAGAGATCACGGAGCTGT
GTGGACAAGTACGCCTCCTCCAAGCGGACCGTTAACTATAAGAATGCTGTTCAGT
GATGGCGATGAAGCAGATGATTCATGGATTGTTCCACTCAATGACATACCTGAAA
ACTGGACACCAGGAGCCATATATGACTCTGGTGTACAAGTCAACTAA

Nucleotide

>AhyEXLB-01

ATGAAACTTTCATTGTATAGTCGAGTTTACCTTCTGATATCCTTGATTATCCTGAG
ATGTGTAGCAAATGCACAAAATTGTAAGTACTGACTGTTTTGTTCAATCACGCGCATCA
TATTACCCAAACTCTGATGAAAACGGAACAAATAAGTGAGTATACTGCATATATAT
ACATTATACAAATGCGCAAAGTTATGATGACAGATGAATTAAGTGTATAATTGAA
ACGAAATGCAGATGGAGCTTGTGGGTTTGGCGGTTTGGAGCTACTGTCAATGGT
GGAGACGTATCAGCTGCCTCAAATCTATACCGCAGTGGGGTAGGTTGCGGTGCTT
GCTATCAGGTAAACAGAATGATAATTTTGTATTGGGCTTGTACACAACAAGACC

CGCAAGAGAGGACAATTGACTGCACACGAACTCAATGAGGTGGTTTTAGGATGG
AACCCCATCGAGTTTGTGTGCAGTCAACTCTCCTCTCGAGTGGGTCTTGTATACAA
GCCCAAATTTATCACATAATAGATGTCACGAGAAAAGCTTCCTCAATCTGTTCTTT
ACCAACTAATTAGCTTTCTGTGAGCTGTAGTTTATGCATTTGATCAATTTTTGTGT
AGGTGAGATGCACCAATAGCAATTAAGTCTGCTCAGACAATGGGGTTACGGTGGTCAT
AACAGACCAAGGTTCCGGGGATAACACTGATTTTATCCTTAGTGAACATGCTTTT
GCCAAGATGGCTCAAACACCAGATGCAGCTGCAACTCTGAAATCTCTTGGTGTG
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GCCAATTTAGGACTAATGTAGAGTAGGCCAAACACTCATCTCTGCAAGTGTACTA
AACCAATCAGTCTGTCATTTTTCAATATTAATTGGGTATATAATTAACGAAGCG
AGGCATGGCCTAAGCATACTTAAGTCTAGATTCTCTGCACAAAATTTGAGTCAAC
AAGGTATAATCGATTGTTTACTGTCTCGTTGAAACAGAGTTGCATGCAGCTATCC
GGGGAAAACATAACATTCAAGATTGAAGAGAGCAGCAGCAACCCAAGTTATCT
TGCTTTTGCTATCTATTATCAGCAAGGCGTAAAGGACATCACAGCTGTGCAACTA
TGCGAGGTCTCAATTTCTTTATCCATCCACAAAATTTTCATCTATAGCTCTACAATA
CCTTATTTCACTATGTATTTCTAGACAGCTCTAGGATTAGGGTCGACCCTATAAGG
GGCAAAAAGGATTATGTGTCCTAGGCCCATCCAAAATATTAGAAAAACAATGTT
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TAATTGATGTTTCGCTCTGAGCCTCAAAAATCTCAGCCTAGTGTTGGGACTTGGG
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CTGATACTATGGAGTGTGTTTTTCCGATAAATATGCTGGCATTACAAATAAGTCTAG
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AGATCACGGAGCTGTGTGGACAAGTACGCCTCCTCCAAGCGGACCGTTAACTATA
AGAATGCTGTTTCAGTGATGGCGATGAAGCAGATGATTCATGGATTGTTCCACTCA
ATGACATACCTGAAAACCTGGACACCAGGAGCCATATATGACTCTGGTGTACAAGT
CAACTAA