

IDENTIFICATION

Species: *Chenopodium quinoa*

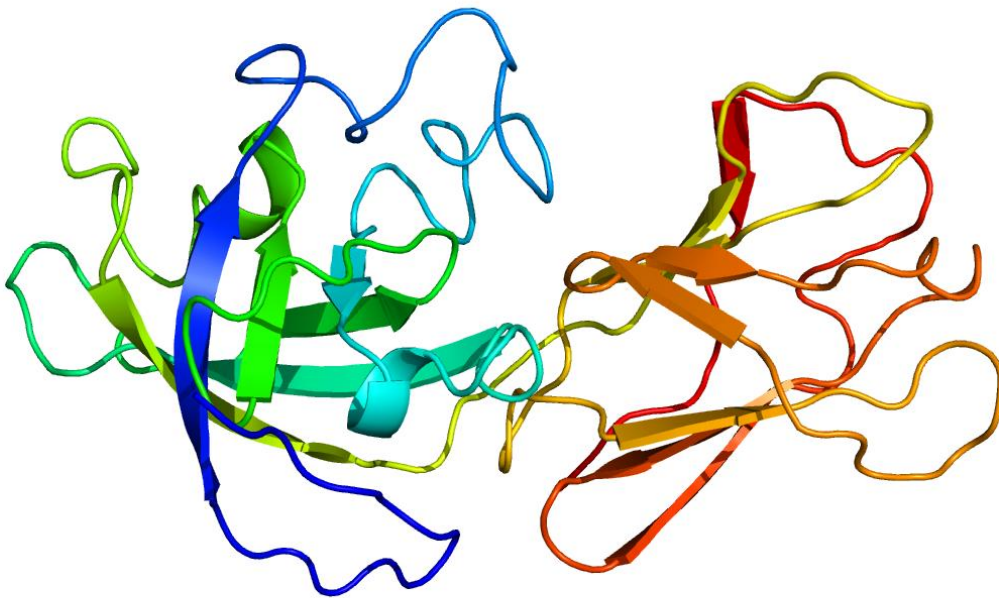
Locus: AUR62007384

Gene Model: AUR62007384

Description: CqEXPA-24

Family: Alpha Expansin

3D structure:



GENOME DATABASES

Phytozome: https://phytozome-next.jgi.doe.gov/info/Cquinoa_v1_0

KEGG: <https://www.genome.jp/entry/T05764>

EXTERNAL RESOURCES

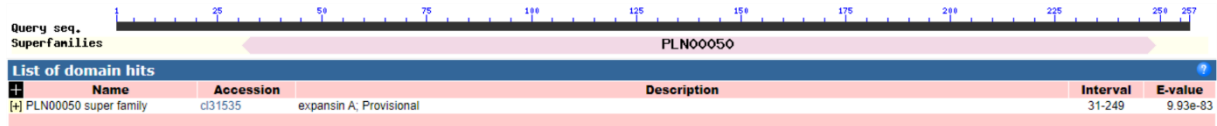
<https://www.cbrc.kaust.edu.sa/chenopodiumdb/>

<http://quinoa.kazusa.or.jp/index.html>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>CqEXPA-24

MTVRSTMAGYSAYTPSTSYTPSTSYSPPETWQSGHATFYGDESGSETMGGACGYGN
LHDSGYGFETAALSTVMFNNGNACGTCYEIKCVNSKWCFTDAPSIKITATNLCPPNW
YQANDAGGWCNPPLSHFDLSKPMFMKIAEWTAGIIPVSYRKVSCARTGGIRFQFQGN
PYWLLVSVLNVGGDGDISQMWVKGTETDWFVMSRNWGFQAFSKLGGQSLSFKL
QNAAGQIVIAYNVCPIYWSIGLTYEANTNFY*

CDS (coding sequence)

>CqEXPA-24

ATGACGGTGAGATCGACAATGGCGGGTTACAGTGCGTACACACCATCGACCTCCT
ACACGCCGTCGACCTCCTATTCACCACCAGAAACATGGCAATCAGGGCATGCTAC
GTTTTATGGGGATGAAAGTGGTTCTGAGACTATGGGAGGAGCGTGTGGGTACGG
AACTTGCATGATAGCGGCTACGGATTTGAAACGGCAGCACTTAGCACGGTGATG
TTCAACAATGGTAACGCTTGTGGTACGTGTTATGAAATCAAGTGTGTCAATTCAA
AATGGTGCTTTACCGATGCGCCTTCGATTAAGATCACGGCCACCAACCTCTGCCC
TCCTAACTGGTACCAGGCCAACGATGCCGGCGGGTGGTGCAACCCACCTCTCTCC
CATTTGACTTGTCTAAACCCATGTTTCATGAAGATTGCTGAATGGACTGCTGGCAT
TATTCCCGTCAGCTATAGAAAGGTGTCATGTGCAAGGACAGGAGGGATTAGATTT
CAATTCCAAGGGAATCCATATTGGCTCCTAGTGTCTGTGTTGAACGTAGGAGGAG
ATGGAGATATATCCCAAATGTGGGTGAAAGGTACTGAAACTGATTGGGTTTTTCAT
GAGCCGTAATTGGGGAGCATCATTCCAAGCATTCTCCAAATTAGGAGGCCAATCT
CTTTCTTTCAAGCTACAAAATGCAGCTGGACAAATTGTTATAGCTTATAATGTTTG
CCCTATTTATTGGTCTATTGGGCTAACTTACGAAGCCAATACCAACTTTTATTAA

Nucleotide

>CqEXPA-24

ATGACGGTGAGATCGACAATGGCGGGTTACAGTGCGTACACACCATCGACCTCCT
ACACGCCGTCGACCTCCTATTCACCACCAGAAACATGGCAATCAGGGCATGCTAC
GTTTTATGGGGATGAAAGTGGTTCTGAGACTATGGGTTAGTTTTATTTTCATTCTC
GACTAATTTAAATTAGCTATGGATTTTCCTTATAGCTAAAATGCTAACGTGTGTTA
CAAATGCAATTAATGTTAGTTCATTGAGGATTTATCTATAATGTCTGCCAAAAA

CATAATACACACATGCATACACGTTAGAGGTTGTGGCAGTAAAGTAGTGGTATCG
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TACATGCTTCTATGAATAAAAAGGCCAAGAGCTAATATGTTGGTGTATTAGAGCA
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TTCGATTAAGATCACGGCCACCAACCTCTGCCCTCCTAACTGGTACCAGGCCAAC
GATGCCGGCGGGTGGTGCAACCCACCTCTCTCCCATTTTGACTTGTCTAAACCCAT
GTTTCATGAAGATTGCTGAATGGACTGCTGGCATTATTCCCGTCAGCTATAGAAAG
TATGTACTCGATCAATTCCTCCATTTCAATTATATCATCATCAAAAGTTTTTAAAT
ATAGAAACAAATTCTAACATCAATTCAAATTAATCTGCACCATTATTCAATTCSTT
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CATGAGACTAAATCCAAATATATATTATATTCATGAGGTCTACTAATAATAATCA
GTGTAATTAACATATATATGTACTTATGTACTTCAGTTAAGACATGAGACTGAAT
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AATTGTTATAGCTTATAATGTTTGCCTATTTATTGGTCTATTGGGCTAACTTACG
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