

IDENTIFICATION

Species: *Chenopodium quinoa*

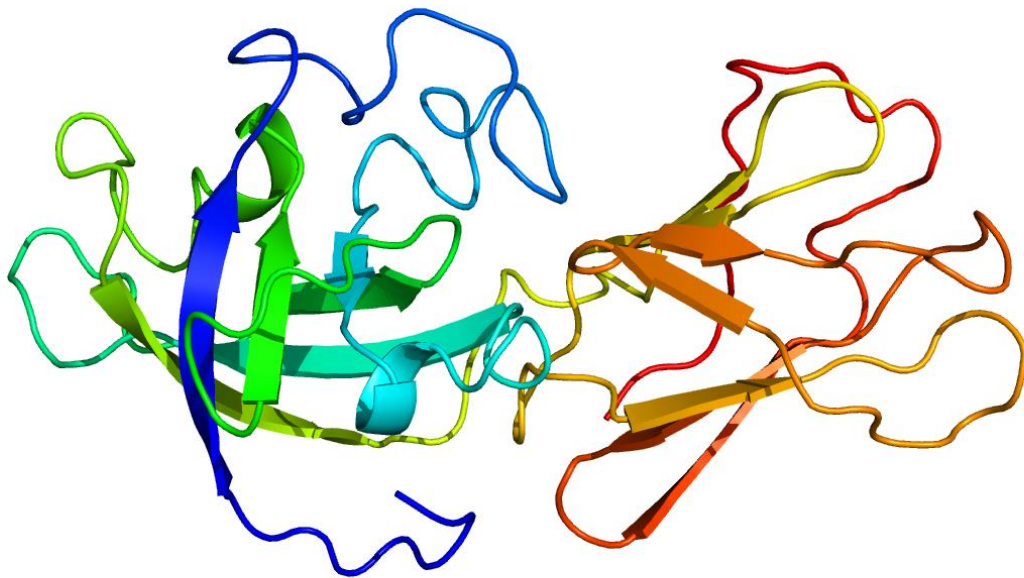
Locus: AUR62007385

Gene Model: AUR62007385

Description: CqEXPA-25

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

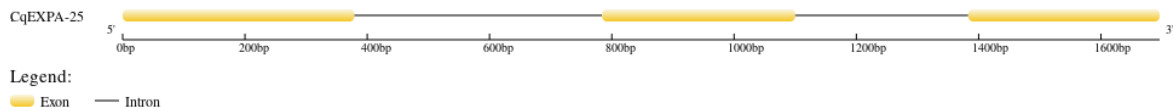
KEGG: <https://www.genome.jp/entry/T05764>

EXTERNAL RESOURCES

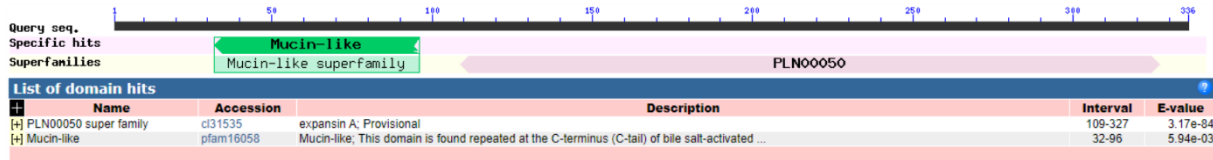
<https://www.cbrc.kaust.edu.sa/chenopodiumdb/>

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>CqEXPA-25

MTTRLAVVDGSYGRSYDRHGRSYDHNKHRWYTPSTSYPSTSDTPSTS YTTWANDM
 PSASDTPSTSYPWTS DAPSASYTPWTDTPSTSDIPSTSDVMPSTSFSSSSTWQSAHATF
 YGDETA SETMGGACGYGNLHDSGYGFETAALSTVMFNNGKACGACYEIKCVESKW
 CFANAPSIKITATNLCPPN WYQASDAGGWCNPPRSHFDLSKPMFMKIAEWTAGIVPV
 NYRKVSCGRQGGIRFQFQGNPYWLLVVVLNVGGDGDVSEMWVKGTLTDWISMSRN
 WGASFQAFSKLGGQPLSFKLQNAAGETVYAYNVCPTYWSTGQTYEANTNFIN*

CDS (coding sequence)

>CqEXPA-25

ATGACTACAAGATTAGCCGTCGTAGATGGATCCTATGGACGGTCCTATGACCGCC
 ATGGCCGGTCCTATGACCACAATAAACATAGATGGTACACGCCATCGACCTCCTA
 CACGCCGTCAACCTCCGACACGCCATCAACCTCCTACACGACGTGGGCTAATGAC
 ATGCCATCGGCCTCCGACACTCCATCGACCTCCTACACGCCATGGACCTCAGACG
 CACCGTCAGCCTCCTACACACCGTGGACGGACACACCTTCGACATCTGATATTCC
 CTCAACCTCTGACGTCATGCCATCAACTTCTTCTCGTCATCGTCAACGTGGCAAT
 CAGCCCATGCTACGTTTTATGGGGATGAAACTGCTTCCGAGACCATGGGAGGGGC
 GTGTGGATACGGAACTTGCATGATAGCGGGTACGGATTTGAAACAGCAGCGCTT
 AGCACGGTGATGTTCAACAATGGGAAAGCTTGTGGGGCTTGTTACGAAATCAAAT
 GTGTCGAGTCAAATGGTGCTTCGCCAACGCACCTTCCATTAAGATCACGGCAAC
 CAACCTCTGCCCTCCTAACTGGTACCAGGCCAGCGATGCCGGTGGGTGGTGCAAC
 CCACCTCGCTCCCATTTTCGACTTGTCTAAGCCCATGTTTCATGAAGATTGCCGAATG
 GACTGCCGGCATTGTCCCCGTCAACTATAGAAAGGTGTCTTGTGGAAGGCAAGGA
 GGGATTAGATTTCAATTCCAAGGGAACCCGATTGGTTGCTAGTGGTTGTGTTGA
 ACGTGGGAGGAGATGGAGATGTATCCGAAATGTGGGTAAGGTAAGGTAAGGTAAGG
 ATTGGATTAGCATGAGCCGGAATTGGGGAGCTTCTTTCCAAGCATTCTCAAATT
 AGGAGGCCAACCTCTCTTTCAAACCTCCAAAATGCAGCCGGAGAACTGTTTAT
 GCTTATAATGTTTGCCCTACTTACTGGTCTACAGGGCAAACCTTACGAAGCCAATA
 CCAATTTTATAAACTAA

Nucleotide

>CqEXPA-25

ATGACTACAAGATTAGCCGTCGTAGATGGATCCTATGGACGGTCCTATGACCGCC
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CACGCCGTCAACCTCCGACACGCCATCAACCTCCTACACGACGTGGGCTAATGAC
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CACCGTCAGCCTCCTACACACCGTGGACGGACACACCTTCGACATCTGATATTCC
CTCAACCTCTGACGTCATGCCATCAACTTCCTTCTCGTCATCGTCAACGTGGCAAT
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TACTTCGATGTATTATACGTAGTATATGCTTTCATATTATATCTTTGTATAACTAT
TAGGAAGATTTTTCAATGACTACGTATACAAAACCTTGATGTCATTGTAATTTGATC
ATAGCAACAAGGCATGTATGTATGAAACTTGACCAAAACACTTGAGTAAAAATA
ATTATATACATCTGAGTGCATGGTACACTTAACGGTAATTTTTGCTCATTGATGA
TTAAAGGAGCAATAATCATCAAAATGACCAAATAATACCCTTGAATGTACCGTGC
ACCCGGGTATATATAACAATCTCTCAATATATTGTTGTAATAAATTACGTATCAAT
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GATGAACAGGAGGGGGCGTGTGGATACGGAAACTTGCATGATAGCGGGTACGGAT
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CATTAAAGATCACGGCAACCAACCTCTGCCCTCCTAACTGGTACCAGGCCAGCGAT
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GCAA ACTTACGAAGCCAATACCAATTTTATAAACTAA