

IDENTIFICATION

Species: *Chenopodium quinoa*

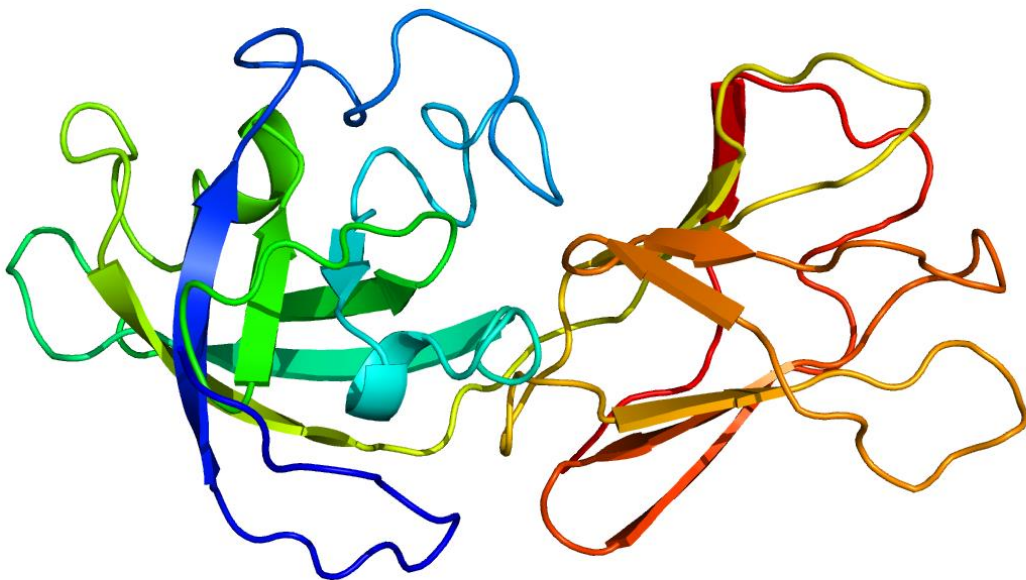
Locus: AUR62007383

Gene Model: AUR62007383

Description: CqEXPA-23

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

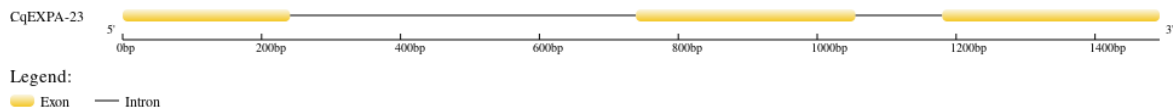
KEGG: <https://www.genome.jp/entry/T05764>

EXTERNAL RESOURCES

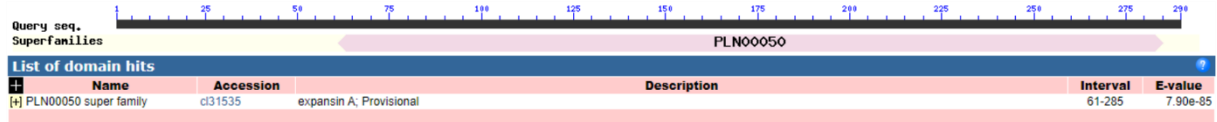
<https://www.cbrc.kaust.edu.sa/chenopodiumdb/>

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>CqEXPA-23

MGREMIMRSSANLGSFNCLLVVVLTTTIVMSSMIVDGYGYNDYNAPPSAPPGAPVY
KPSTDWIYAHATFYGDES VSETMGGACGYGNLHDNGYGIATAAVSSVMFNNGEICG
ACYEIKCVESKWCYKDGPIIKITATNLCPPN WYQSADDGGWCNPPRSHFDLSKLMFM
KIAEWTAGIVPVQYRRVPCIRQGGIRYQFQGNPYWLLVYVMNVGGSGDVEKMWVK
GSKSIEWICMTRNWGASFQVFSELGGQSLSFKVKNGAGHTLVDYDVAPS YWSTSQT
YEGRINFY*

CDS (coding sequence)

>CqEXPA-23

ATGGGACGTGAAATGATTATGAGATCATCAGCAAACCTTGGAAAGTTTCAATTGTC
TTTTGGTGGTGGTTTTAACGACGACAATCGTGATGAGTTCAATGATTGTGGATGG
CTACTACGGATAACAATGACTACAATGCACCGCCTAGTGCACCGCCGGGTGCACCA
GTATAACAAGCCATCGACGGATTGGATTTACGCTCATGCTACATTTTATGGGGATG
AATCTGTCTCTGAGACAATGGGAGGGGCTTGTGGATACGGAAACTTACATGACAA
CGGATATGGAATAGCAACAGCGGCAGTTAGCTCGGTTATGTTCAATAATGGAGA
AATTTGTGGAGCTTGTATGAAATCAAGTGTGTCGAGTCAAAGTGGTGCTACAAA
GATGGACCTATCATTAAAGATTACGGCCACCAACCTCTGCCCTCAAACCTGGTACC
AGTCCGCCGATGATGGGGGGTGGTGCAACCCACCTCGCTCCCATTTTCGATTTGTC
TAAGCTCATGTTTCATGAAGATTGCTGAATGGACAGCCGGCATTGTTCCAGTCCAA
TATAGAAGGGTGCCGTGTATTAGGCAAGGAGGGATTAGGTATCAATTCCAAGGG
AACCCATATTGGCTACTAGTGTACGTGATGAACGTAGGAGGAAGTGGAGATGTA
GAGAAAATGTGGGTAAAAGGGTCTAAAAGCATTGAATGGATTTGCATGACTCGG
AATTGGGGAGCTTCTTTCCAAGTATTTTCAGAGTTGGGAGGTCAATCTCTCTCTTT
CAAGGTCAAGAATGGAGCTGGCCATACTCTTGTGGATTACGACGTGGCCCCATCT
TATTGGTCTACAAGCCAACTTATGAAGGAAGAATCAACTTTTATTAA

Nucleotide

>CqEXPA-23

ATGGGACGTGAAATGATTATGAGATCATCAGCAAACCTTGGAAAGTTTCAATTGTC
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AAAATAACCTTCGGCTATAGTTGATGCTTTTTTTTTTCAAGGTAAATATAGCTAGCT
AGTGATTGATCTTTTTACTTAATTTTTCTAGCTTAAATGAATAATTGATTTAAATT
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CGTGGCCCCATCTTATTGGTCTACAAGCCAACTTATGAAGGAAGAATCAACTTT
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