

IDENTIFICATION

Species: *Chenopodium quinoa*

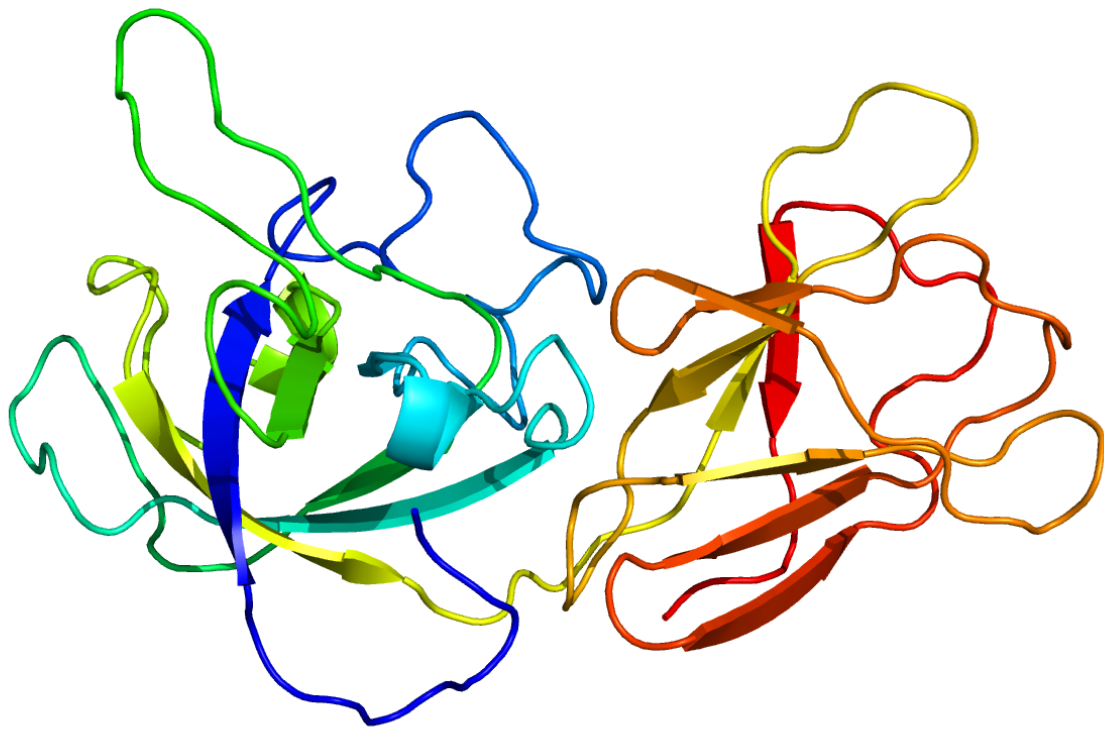
Locus: AUR62018284

Gene Model: AUR62018284

Description: CqEXPA-31

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

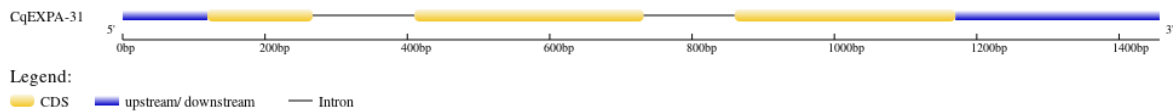
KEGG: <https://www.genome.jp/entry/T05764>

EXTERNAL RESOURCES

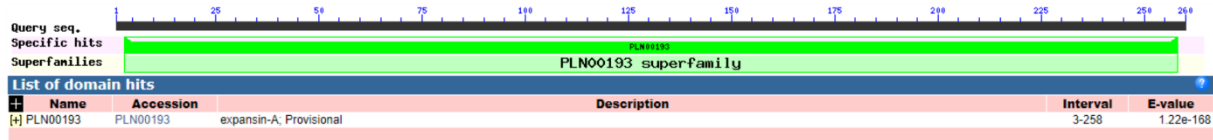
<https://www.cbrc.kaust.edu.sa/chenopodiumdb/>

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>CqEXPA-31

MKMNKPALAFSIVFLGLCILNINVDAFVASGWQKAHATFYGGSDASGTMGGACGYG
NLYSTGYGTSTAALSTALFNNGAACGQCYRIMCDYNTDPTWCRKGASVTITATNFCP
PNYALPNNAGGWCNPPRQHFDMAQPIWEKIGIYRGGIIPVIFQRVPCMKGQGGVRFITN
GRDYFELVLISNVGGAGSIQSVSIKGTKTNWMAMSRNWGANWQSLAYLNGQSLSFR
VTTTDGQTQTFNNVIPANWRFQGTFSSLVQFK*

CDS (coding sequence)

>CqEXPA-31

ATGAAAATGAACAAACCCGCCTTAGCCTTTTCTATTGTTTTTCTAGGATTATGTAT
CCTAAATATTAATGTTGATGCTTTTGTGGCTTCTGGATGGCAAAGGCTCATGCCA
CTTTCTACGGTGGCAGTGATGCTTCTGGAACATATGGGAGGAGCATGTGGGTACGG
CAACTTGTACTCCACTGGCTATGGGACAAGCACCCGAGCTCTAAGTACTGCATTG
TTCAACAATGGTGCGGCATGTGGGCAATGCTACAGAATCATGTGTGACTATAACA
CGGATCCAACATGGTGTAGGAAGGGAGCTTCGGTAACTATTACTGCAACTAACTT
CTGCCCTCCAACTATGCATTGCCAAACAATGCCGGAGGTTGGTGTAAACCCTCCT
CGCCAACACTTTGACATGGCGCAACCTATCTGGGAGAAGATTGGCATTACAGAG
GCGGAATCATTCTGTCATCTTCAAAGGGTTCCATGTATGAAGCAAGGAGGAGT
CAGATTTACTATCAATGGAAGGGACTACTTTGAGCTTGTATTGATCAGCAACGTA
GGTGGAGCAGGATCAATCCAATCTGTTTCGATCAAGGGAACGAAAACAACTAAGT
ATGGCGATGTCTAGAAATTGGGGGGCTAACTGGCAGTCATTGGCATAACCTTAATG
GACAATCTTTGTCCTTCAGAGTCACTACTACTGATGGCCAAACACAACTTTTAA
CAATGTGATTCCTGCTAATTGGAGATTTGGTCAGACGTTTTTCGAGTCTTGTACAGT
TCAAGTAA

Nucleotide

>CqEXPA-31

ATAAAAGGGAGCATTACTCCCAACATTTACTTTAGCAAATACAACATCCTTTTTTC
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CGCAACCTATCTGGGAGAAGATTGGCATTACAGAGGGCGGAATCATTCTGTGCAT
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ATTGAAAAGTCTGATCTTGTATAATTATATGTTCAACTGTAGTAAATGTACATATA
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GGAGCAGGATCAATCCAATCTGTTTCGATCAAGGGAACGAAA ACTAACTGGATG
GCGATGTCTAGAAATTGGGGGGCTAACTGGCAGTCATTGGCATACTTAATGGAC
AATCTTTGTCCTTCAGAGTCACTACTACTGATGGCCAAACACAACTTTTAACAAT
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TGATAGGCAGAGGCATGCTCATAGCGTTTTATTCAATGAAGCAGCCCGCCAATTT
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TACCTACAATA