

IDENTIFICATION

Species: *Chenopodium quinoa*

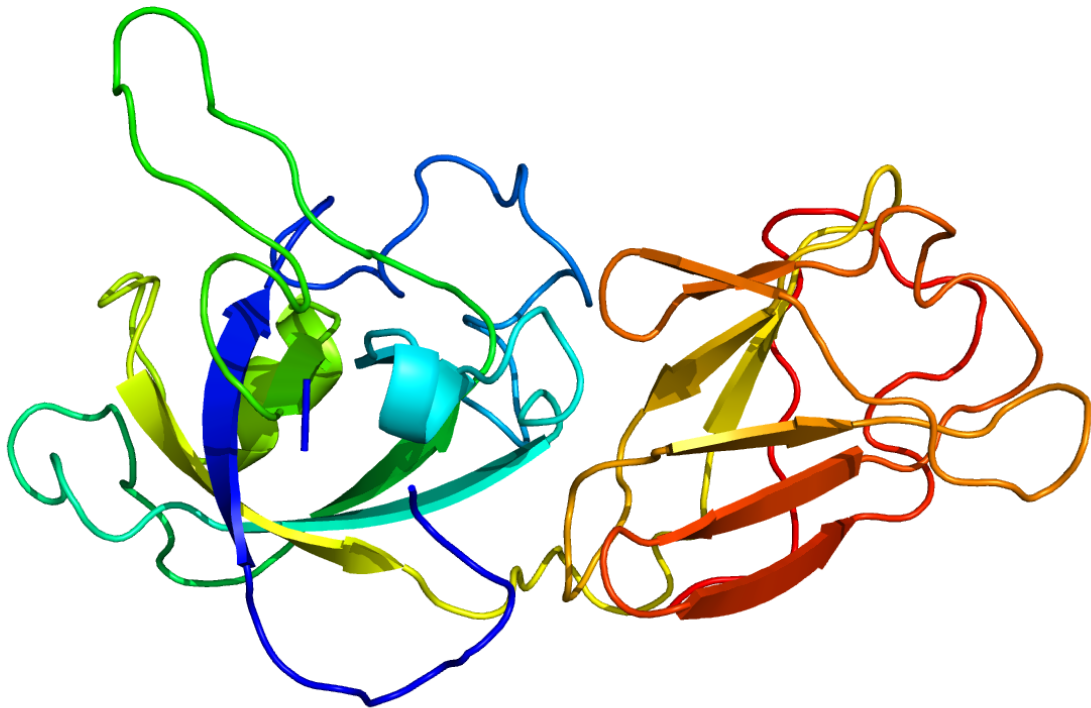
Locus: AUR62018281

Gene Model: AUR62018281

Description: CqEXPA-28

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

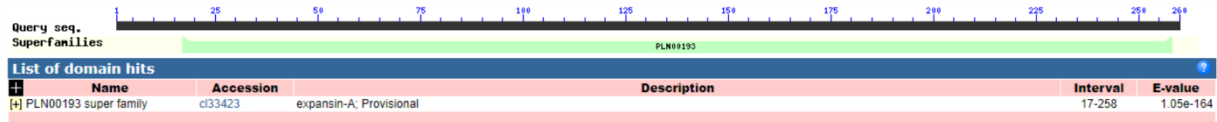
<https://www.cbrc.kaust.edu.sa/chenopodiumdb/>

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>CqEXPA-28

MKLNKAALALATLLGLCFLNTNVDAFVASGWQKAHATFYGGSDASGTMGGACG
YGNLYSTGYGTSTAALSTALFNNGAACGQCYRIMCDYKTDPTWCRKGASVTITATN
FCPPNYALPNNAGGWCNPPRQHFDMAQPIWEKIGIYRGGIIPVIFQRVPCIKRGGVRF
INGRDYFELILISNVGGAGSIKSVSIKGSKTNWMAMSRNWGANWQSLAYLNGQSLSF
RVTTTDGQTQAFNNVVPANWRFQTFSSRVQFK*

CDS (coding sequence)

>CqEXPA-28

ATGAAATTGAACAAAGCTGCCTTAGCCTTGGCTACTACTCTTCTAGGATTATGTTT
CTTGAATACTAACGTCGATGCCTTTGTGGCTTCTGGATGGCAAAGGCTCATGCC
ACTTTCTACGGTGGTAGTGATGCTTCTGGAACATATGGGGGGAGCTTGTGGATACG
GCAACTTGTACTCTACTGGTTATGGAAGTACTGCGGCTTTAAGTACTGCATTG
TTCAACAATGGTGCAGCATGTGGGCAATGCTACAGAATCATGTGTGACTATAAGA
CGGATCCAACATGGTGTAGGAAGGGAGCTTCGGTAAGTACTGCAACTAAGT
CTGTCCTCCTAACTACGCATTGCCAAACAATGCCGGAGGTTGGTGTAACTCCTC
GCCAACACTTTGACATGGCGCAACCTATCTGGGAGAAGATCGGCATTTACAGAGG
TGGAATCATTCTGTCATCTTCCAAAGGGTTCCTTGCATAAAGCGAGGGGGAGTG
AGATTTAGCATCAACGGAAGGGACTACTTTGAGCTTATATTGATAAGCAATGTAG
GTGGAGCAGGATCCATCAAATCTGTTTCGATCAAAGGGTCGAAAACCAACTGGAT
GGCGATGTCTAGAAATTGGGGGGCTAACTGGCAATCATTGGCTTACCTTAATGGA
CAATCTCTGTCTTTCAGAGTCACTACTACTGATGGCCAAACCCAAGCTTTTAACAA
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AGTAA

Nucleotide

>CqEXPA-28

ATCAAATACAACAACATTCTCCTACACAAAATTATCTTCTTTATTCTTACTATCC
TTATTTAGCTCATATTCTCTAGACTTTTAAGTTTCCTTTTCTATTTTTTTGCTTTTGA
AGTGAAAAATGAAATTGAACAAAGCTGCCTTAGCCTTGGCTACTACTCTTCTAGG
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CTCATGCCACTTTCTACGGTGGTAGTGATGCTTCTGGAACATATGGGTATGTTACAT

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CTGCATTGTTCAACAATGGTGCGGCATGTGGGCAATGCTACAGAATCATGTGTGA
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ATCCTCCTCGCCAACACTTTGACATGGCGCAACCTATCTGGGAGAAGATCGGCAT
TTACAGAGGTGGAATCATTCCCTGTCATCTTCCAAAGGTAATTAATTACACTTGCTC
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