

IDENTIFICATION

Species: *Chenopodium quinoa*

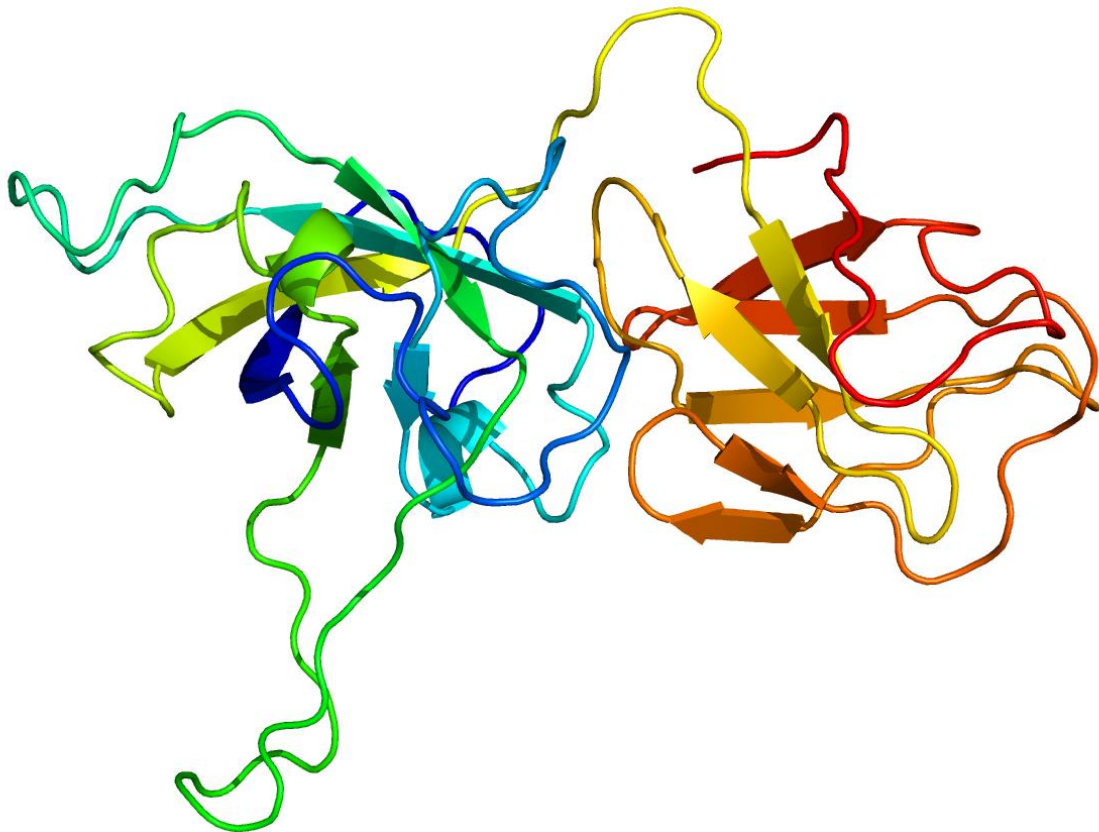
Locus: AUR62013909

Gene Model: AUR62013909

Description: CqEXPA-11

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

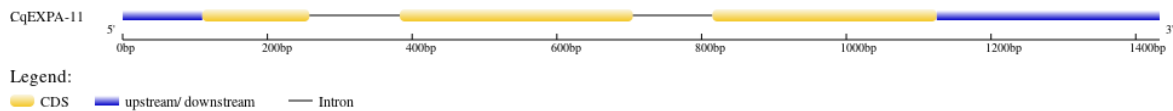
KEGG: <https://www.genome.jp/entry/T05764>

EXTERNAL RESOURCES

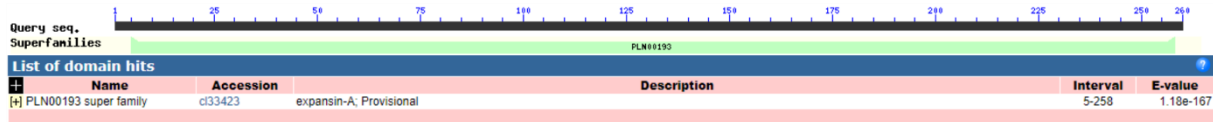
<https://www.cbrc.kaust.edu.sa/chenopodiumdb/>

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>CqEXPA-11

MKWNKAILALVTLLGLCFLNTNVDAFVASGWEKAHATFYGGSDASGTMGGACGY
GNLYSTGYGTSTAALSTALFNLSGAACGQCYRIMCDYKTDPTWCRKGASVTITATNFC
PPNYALPNNAGGWCNPPRQHFDMAQPIWEKIGIYRGGIIPVMYQRVPCIKRGGVRFISI
NGRDYFELVLISNVGGAGSIKSVSIKGSKTNWMAMSRNWGANWQSLAYLNGQSLSF
RVTTTDGQTQTFNNVVPANWRFGQTFSSRVQFK*

CDS (coding sequence)

>CqEXPA-11

ATGAAATGGAACAAAGCTATCTTAGCCTTGGTACTACTCTTTTAGGATTATGTTT
CTTGAATACTAACGTCGATGCCTTTGTGGCTTCTGGATGGGAAAAGGCTCATGCC
ACTTTCTACGGTGGTAGTGATGCTTCTGGAACATATGGGGGAGCTTGTGGGTACG
GCAACTTGTACTCTACTGGTTATGGGACTAGTACCGCGGCTTTAAGTACAGCATT
GTTCAACAGTGGTGTGCATGTGGGCAGTGCTATAGGATCATGTGTGACTATAAG
ACGGATCCAACATGGTGTAGGAAGGGAGCTTCGGTAACTATTACTGCAACTAATT
TCTGCCCTCCAAACTATGCATTGCCAAACAATGCTGGAGGATGGTGTAAATCCTCC
TCGCCAACACTTTGACATGGCGCAACCTATCTGGGAGAAGATTGGCATTACAGA
GGTGAATCATTCTGTGCATGTACCAAAGGGTACCTTGCATAAAGCGAGGAGGA
GTGAGATTGAGCATCAATGGAAGGGACTACTTTGAGCTTGTATTGATAAGCAATG
TAGGAGGAGCAGGATCCATCAAATCTGTTTCAATTAAGGGATCGAAAACCAACT
GGATGGCGATGTCTAGAAATTGGGGGGCTAACTGGCAATCATTGGCTTACCTTAA
TGGACAATCTCTGTCTTCAGGGTCACTACTACTGATGGCCAAACCCAAACTTTTA
ACAATGTGGTTCCTGCTAATTGGAGATTTGGTCAGACGTTTTTCGAGTCGTGTACA
ATTCAAGTAA

Nucleotide

>CqEXPA-11

ATCAAATACAACATTCTCCTACACAAAATTCTCCTTTATTCTTAATAACCTCATT
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GAATACTAACGTCGATGCCTTTGTGGCTTCTGGATGGGAAAAGGCTCATGCCACT
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GTACAGCATTGTTCAACAGTGGTGCTGCATGTGGGCAGTGCTATAGGATCATGTG
TGACTATAAGACGGATCCAACATGGTGTAGGAAGGGAGCTTCGGTAACTATTACT
GCAACTAATTTCTGCCCTCCAAACTATGCATTGCCAAACAATGCTGGAGGATGGT
GTAATCCTCCTCGCCAACACTTTGACATGGCGCAACCTATCTGGGAGAAGATTGG
CATTTACAGAGGTGGAATCATTCCCTGTGCATGTACCAAAGGTAATTTATAACACTT
ACTCTTATAAGTCTTTACTCTTAAGTCTTAACATATAATTTCCCTATATTATATGATA
TGATCAAATATCGAACTGTTATTTCAATTTTGTACAGGGTACCTTGCATAAAGCGA
GGAGGAGTGAGATTCAGCATCAATGGAAGGGACTACTTTGAGCTTGTATTGATAA
GCAATGTAGGAGGAGCAGGATCCATCAAATCTGTTTCAATTAAGGGATCGAAAA
CCAACTGGATGGCGATGTCTAGAAATTGGGGGGCTAACTGGCAATCATTGGCTTA
CCTTAATGGACAATCTCTGTCTTCAGGGTCACTACTACTGATGGCCAAACCCAA
ACTTTTAAACAATGTGGTTCCTGCTAATTGGAGATTTGGTCAGACGTTTTTCGAGTCG
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AGGATCCTGTCCACCTTAATACAATGTTTAATGAAAATATACTATT