

IDENTIFICATION

Species: *Chenopodium quinoa*

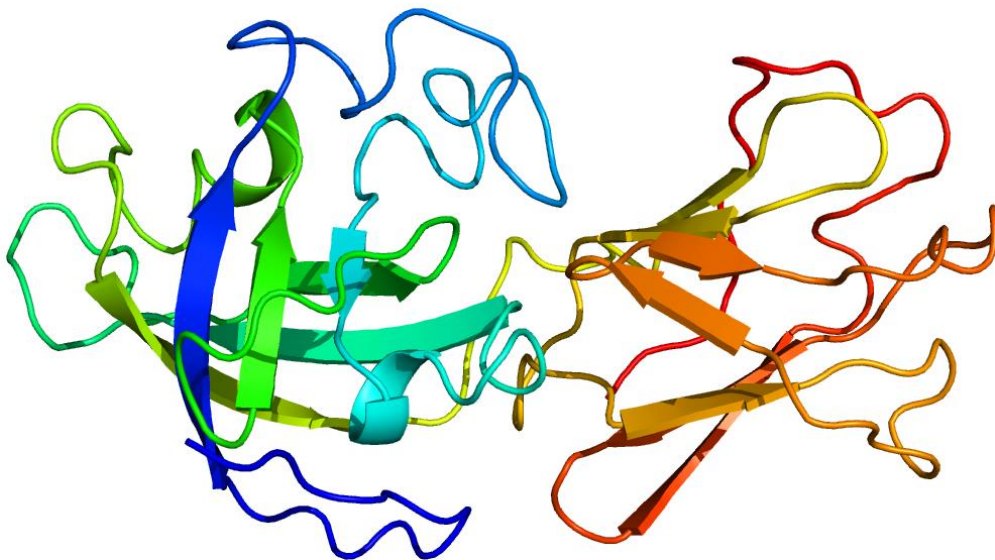
Locus: AUR62018602

Gene Model: AUR62018602

Description: CqEXPA-20

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

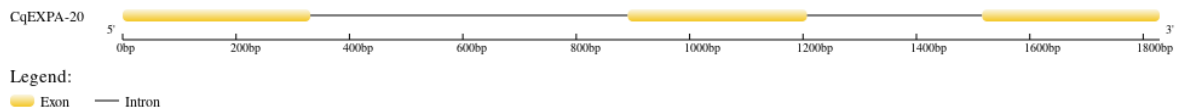
KEGG: <https://www.genome.jp/entry/T05764>

EXTERNAL RESOURCES

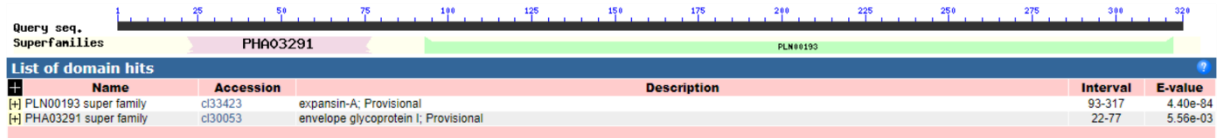
<https://www.cbrc.kaust.edu.sa/chenopodiumdb/>

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>CqEXPA-20

MTTKLAVVDGSYGRSYGHNKHRWYTPSPSTSYTPSTSYTPSTSDMPSASDTPSASYTP
WTSAPYTDTPSTSDIPSTSDVVPSTSYSSSSSSAWQLAHATFYGDETAETMGGACG
YGNLHDSGYGFETAALSTVMFNNGKACGACYEIKCVESKWCFANAPSIKITATNLCP
PNWYQASDAGGWCNPPRSHFDLSKPMFMKIAEWTAGIVPVNYRKYVSCGRQGGIRFQ
FQGNPYWLLVVVLNVGGDGDVSEMWVKGAQTDWISMSRNWGFQAFSKLGGQP
LSFKLQNAVGETVYAYNVCPTYWSTGQTYEANTNFIN*

CDS (coding sequence)

>CqEXPA-20

ATGACAACAAAATTGGCCGTCGTGGATGGGTCTTATGGACGGTCCTATGGCCACA
ATAAACATAGATGGTACACGTCGCCGTCTACCTCATAACACCATCAACCTCCTA
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ACGCCATGGACCTCAGACGCACCGTATACGGACACACCGTCGACATCTGATATTC
CCTCAACCTCTGATGTCGTGCCGTCAACCTCGTACTCGTCATCGTCATCGTCAGCA
TGGCAATTAGCTCATGCTACGTTTTATGGGGATGAACTGCTTCCGAGACCATGG
GAGGGGCGTGTGGATACGGAACTTGCACGATAGTGGGTACGGATTTGAAACAG
CAGCGCTTAGCACGGTAATGTTCAACAATGGGAAAGCTTGTGGGGCTTGTACGA
GATCAAATGTGTCGAGTCAAATGGTGTTCGCCAACGCACCTTCCATTAAGATC
ACAGCCACCAACCTCTGCCCTCCTAACTGGTACCAGGCCAGCGATGCCGGCGGGT
GGTGAACCCACCTCGCTCCCATTTTGACTTGTCTAAGCCCATGTTTCATGAAGATT
GCCGAATGGACTGCCGGCATTGTCCCCGTCAATTATAGAAAGGTGTCGTGTGGAA
GGCAAGGAGGAATTAGATTTCAATTCCAAGGGAACCCATATTGGTTGCTAGTGGT
TGTGTTGAACGTGGGAGGAGATGGAGATGTATCCGAAATGTGGGTAAAAGGTGC
TCAAACAGATTGGATTAGCATGAGCCGAAATTGGGGAGCTTCTTTCCAAGCATTC
TCAAATTAGGAGGCCAACCTCTCTTTCAAACCTCAAATGCAGTCGGAGAAA
CTGTATATGCTTATAATGTTTGCCTACTTATTGGTCTACAGGGCAAACCTTACGAA
GCCAATACAAATTTTATAAACTAA

Nucleotide

>CqEXPA-20

ATGACAACAAAATTGGCCGTCGTGGATGGGTCTTATGGACGGTCCTATGGCCACA
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CCTCAACCTCTGATGTCGTGCCGTCAACCTCGTACTCGTCATCGTCATCGTCAGCA
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