

IDENTIFICATION

Species: *Chenopodium quinoa*

Locus: AUR62017328

Gene Model: AUR62017328

Description: CqEXPA-42

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

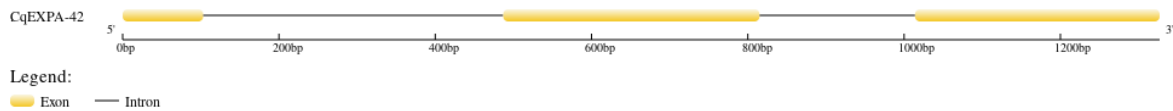
KEGG: <https://www.genome.jp/entry/T05764>

EXTERNAL RESOURCES

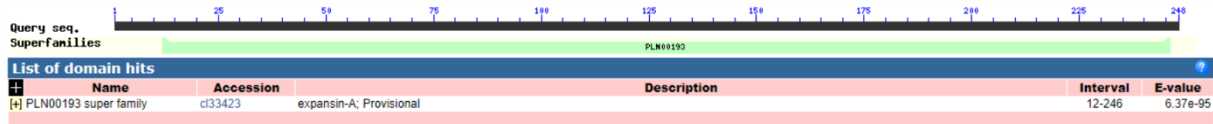
<https://www.cbrc.kaust.edu.sa/chenopodiumdb/>

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>CqEXPA-42

MVRLSNGYATHFTPSKWKYAHATFYGDDSASETMGGACGYGNLFNNGYGTNTAAL
STVLFNNGYGCGSCYQIMCVGSKWCNRGRGHGPTSITITATNLCPPNWAQDSNAGG
WCNPPRAHFDSLMPAFKKLAFWKAGIVPVQYRRVPCAKKGGIRFSFQGNNYWLLTT
VMNVGGAGDIKMWVKGSRGTGWISMSHNWGASYQAFGQLGGQCLSFKIQSYSTRE
TIVAYNVVPPYWSVGMTYQAKVNR*

CDS (coding sequence)

>CqEXPA-42

ATGGTGAGATTGTCAAATGGATATGCTACTCATTTCACGCCAAGCAAATGGAAAT
ACGCTCATGCAACTTTTTATGGAGATGATAGTGCCTCTGAAACCATGGGAGGAGC
ATGTGGATATGGAAATTTGTTTAAACAATGGGTATGGTACAAATACAGCTGCATTA
AGCACAGTATTGTTCAACAACGGATATGGTTGTGGTAGTTGCTACCAAATTATGT
GTGTTGGATCAAATGGTGCAATAGGGGTCGTGGGCACGGCCGACTTCCATTAC
TATCACGGCCACAAATCTATGCCCTCCAACTGGGCTCAAGATAGCAACGCCGGT
GGCTGGTGTAACCCTCCTAGAGCCATTTTGACCTCTCCATGCCCGCCTTCAAGAA
ACTTGCTTTTGGGAAGGCTGGCATCGTTCCAGTCCAATACCGGAGGGTTCCATGC
GCGAAAAGGGAGGGATAAGATTTAGCTTCCAAGGAACAACACTATTGGTTGCTA
ACAACGGTAATGAACGTTGGTGGTGCCGGTGACATAGCCAAAATGTGGGTGAAA
GGATCTAGAACCGGATGGATTAGCATGAGCCACAATTGGGGAGCATCATACCAA
GCTTTTGGTCAATTAGGAGGCCAATGTCTTTCTTTCAAATCCAATCTTACTCCAC
CCGTGAGACAATTGTTGCTTACAATGTTGTCCCACCTTATTGGAGTGTAGGCATG
ACTTACCAAGCTAAAGTCAACTTCCGATGA

Nucleotide

>CqEXPA-42

ATGGTGAGATTGTCAAATGGATATGCTACTCATTTCACGCCAAGCAAATGGAAAT
ACGCTCATGCAACTTTTTATGGAGATGATAGTGCCTCTGAAACCATGGGTAAATT
ACTAAAATTTTATTGTTTTTCCTTATTAATATAACATTTTCATACGATAGCACATAA
CCCAATTTCTATATGCTAGTGGCATTGTGTATGTAATATAATATTAACTTTATATC
ACATAGGAATGGTTCATTTTCTGTCTTGAAGATAATATTTTACTTTTTATGTTGTC
ATGTAACTTTGCACCTCATATGTATGCACTAAATAGGTGTGTATGAGCTCATTTTTT

TGTGTGTAAAAAATACAAC TAATAATCTAATATGCATAATTGAGCCTTATGCGTG
CCTCTCTTTATACACACCCTAAGCTAGCTAGTTAACTAATAAATCGTTTATTATTA
GAATGTATGAAATATTATATTGATTTTCCCCCTATTTACAGGAGGAGCATGTGG
ATATGGAAATTTGTTTAAACAATGGGTATGGTACAAATACAGCTGCATTAAGCACA
GTATTGTTCAACAACGGATATGGTTGTGGTAGTTGCTACCAAATTATGTGTGTTGG
ATCAAAATGGTGCAATAGGGGTCGTGGGCACGGCCCGACTTCCATTACTATCACG
GCCACAAATCTATGCCCTCCAAACTGGGCTCAAGATAGCAACGCCGGTGGCTGGT
GTAACCCTCCTAGAGCCCATTTTGGACCTCTCCATGCCCGCCTTCAAGAACTTGCC
TTTTGGAAGGCTGGCATCGTTCCAGTCCAATACCGGAGGTAATAAACTATCCATC
TACAAGCTCAATAGTACTCTTTTTTTGTGTATAAAGATAACAAAATTTTAATTTAT
AATGGTCTTTTAAGGCTTTTTTTTATACAAC TCAAGTCTGGGTTAAGTCGATAATT
TGGTCAAACTTATTACTAATCAGTAAAAATAAAATTTAATTATTTTTATATTCAT
TGGTGACCAAGCAGGGTTCATGCGCGAAAAAGGGAGGGATAAGATTTAGCTTC
CAAGGGAACAAC TATTGGTTGCTAACAACGGTAATGAACGTTGGTGGTGCCGGTG
ACATAGCCAAAATGTGGGTGAAAGGATCTAGAACCGGATGGATTAGCATGAGCC
ACAATTGGGGAGCATCATACCAAGCTTTTGGTCAATTAGGAGGCCAATGTCTTTC
TTTCAAAATCCAATCTTACTCCACCCGTGAGACAATTGTTGCTTACAATGTTGTCC
CACCTTATTGGAGTGTAGGCATGACTTACCAAGCTAAAGTCAACTTCCGATGA