

IDENTIFICATION

Species: *Chenopodium quinoa*

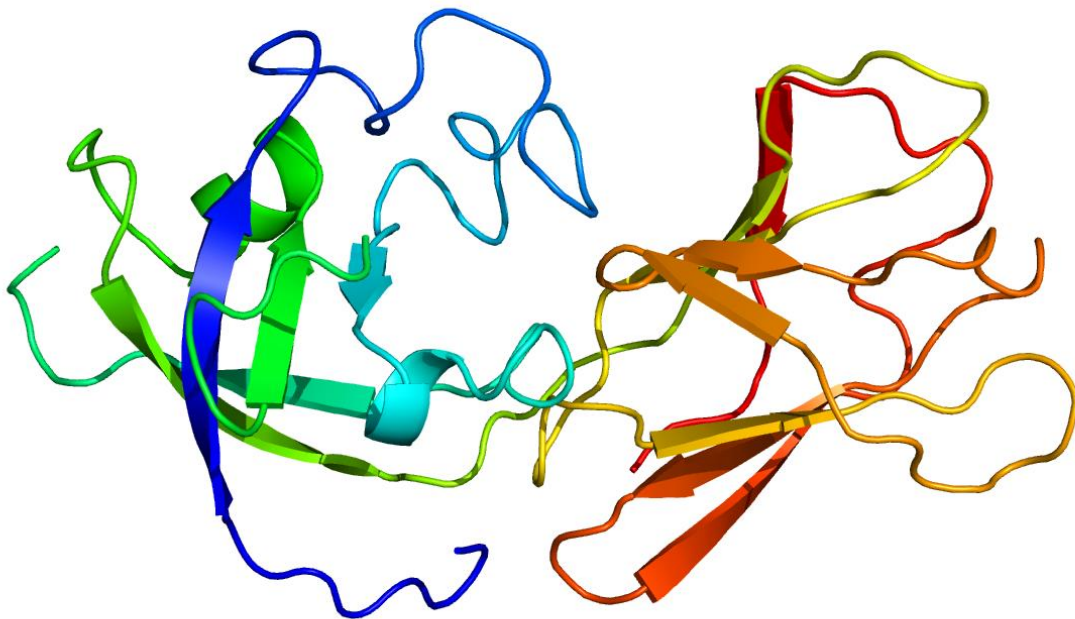
Locus: AUR62010563

Gene Model: AUR62010563

Description: CqEXPA-07

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

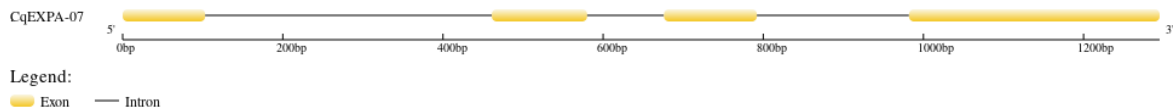
KEGG: <https://www.genome.jp/entry/T05764>

EXTERNAL RESOURCES

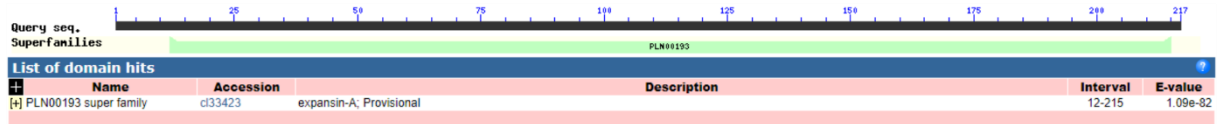
<https://www.cbrc.kaust.edu.sa/chenopodiumdb/>

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>CqEXPA-07

MVRLSNGYATYFKPSKWKYAHATFYGDDSASETMGGACGYGNLFNNGYGTNTAA
LSTVLFNNGYGCGSCYQIMCDSNAGGWCNPPRAHFDLSMPAFKkiaFYRAGIVPVQY
RRVPCGKKGIRFSLQGNNYWLLTTVMNVGGAGDIAKMWVKGSRTGWISMHNW
GASYQAFGQLGGQCLSFKIQSYSTRETIVA YNVVPAYWSVGMTYQAKVNFR*

CDS (coding sequence)

>CqEXPA-07

ATGGTGAGATTGTCAAATGGATATGCTACTTATTTCAAGCCAAGTAAATGGAAAT
ACGCTCATGCAACTTTTTATGGTGATGATAGTGCCTCTGAAACAATGGGAGGAGC
ATGTGGATATGGAAATTTGTTCAACAATGGGTATGGTACCAATACAGCTGCATTA
AGCACCGTATTGTTCAACAATGGATATGGTTGCGGTAGTTGTTATCAAATAATGT
GTGATAGCAATGCCGGCGGGTGGTGCAACCCTCCTAGAGCCCACTTTGACCTCTC
CATGCCTGCATTCAAGAAAATCGCCTTTTATAGGGCCGGCATTGTTCCAGTCCAA
TATAGGAGGGTTCCATGTGGAAAGAAAGGAGGTATAAGATTTAGCCTCCAAGGG
AACAACTACTGGCTACTAACGACGGTAATGAATGTTGGTGGTGCTGGCGACATTG
CCAAAATGTGGGTGAAAGGCTCTAGAACGGGATGGATTAGCATGAGCCACAATT
GGGGAGCATCATACCAAGCATTGTTGTTCAATTAGGAGGCCAATGTCTTTCTTTCAA
AATCCAATCTTACTCCACCCGTGAAACTATCGTTGCTTACAACGTTGTCCCAGCTT
ATTGGAGTGTAGGCATGACTTATCAAGCCAAAGTAACTTCCGATGA

Nucleotide

>CqEXPA-07

ATGGTGAGATTGTCAAATGGATATGCTACTTATTTCAAGCCAAGTAAATGGAAAT
ACGCTCATGCAACTTTTTATGGTGATGATAGTGCCTCTGAAACAATGGGTAAAT
CTAAATCATTGAATTTTTTTATTTTTTTAAATTATGAAACACTTCAATTCACACG
AGTACATAACCCTTGTTAACATTGTCTAGTGTGATGTGTAATTTAACTTTATA
TGAAATATGAGTTATTCTAATCCTTCTTATTAGAGATGGCTAGCTTTTTCTATTCTG
TAATTTAAATAGACGTGCATGGCTCTTTACCTTTATGGGTAAATAGAACAAATA
TGCATGTTTGAGCCTAATGCCTCCCTTTATACTTTACCCTAGTGAAATAATAAATC
ATTTACGTCGTACAAAGTATGATTTATAACTATTATCTATGAATTATTGATGAATT
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TGGTACCAATACAGCTGCATTAAGCACCGTATTGTTCAACAATGGATATGGTTGC
GGTAGTTGTTATCAAATAATGTGTGTTGGGTCATAATGGTGCAACCGTAATGGTT
ATGGCCATGGCTCGACTTCCATTACCGTCACTGCTACTAACCTATGCCCTCCAAAT
TGGGCCCAGGATAGCAATGCCGGCGGGTGGTGCAACCCCTCCTAGAGCCCACTTTG
ACCTCTCCATGCCTGCATTCAAGAAAATCGCCTTTTATAGGGCCGGCATTGTTCCA
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GTGTAGCTTAGATCAATAATTTGGTCAAACTTATTTATAATCGGTAATAATCAAT
TCGAATCATTTTTATATTCATTGGTGGCCGAACAGGGTTCCATGTGGAAAGAAAG
GAGGTATAAGATTTAGCCTCCAAGGGAACAACACTACTGGCTACTAACGACGGTAAT
GAATGTTGGTGGTGTCTGGCGACATTGCCAAAATGTGGGTGAAAGGCTCTAGAAC
GGGATGGATTAGCATGAGCCACAATTGGGGAGCATCATACCAAGCATTTGGTCA
ATTAGGAGGCCAATGTCTTTCTTTCAAATCCAATCTTACTCCACCCGTGAAACTA
TCGTTGCTTACAACGTTGTCCAGCTTATTGGAGTGTAGGCATGACTTATCAAGCC
AAAGTAACTCCGATGA