

## IDENTIFICATION

**Species:** *Chenopodium quinoa*

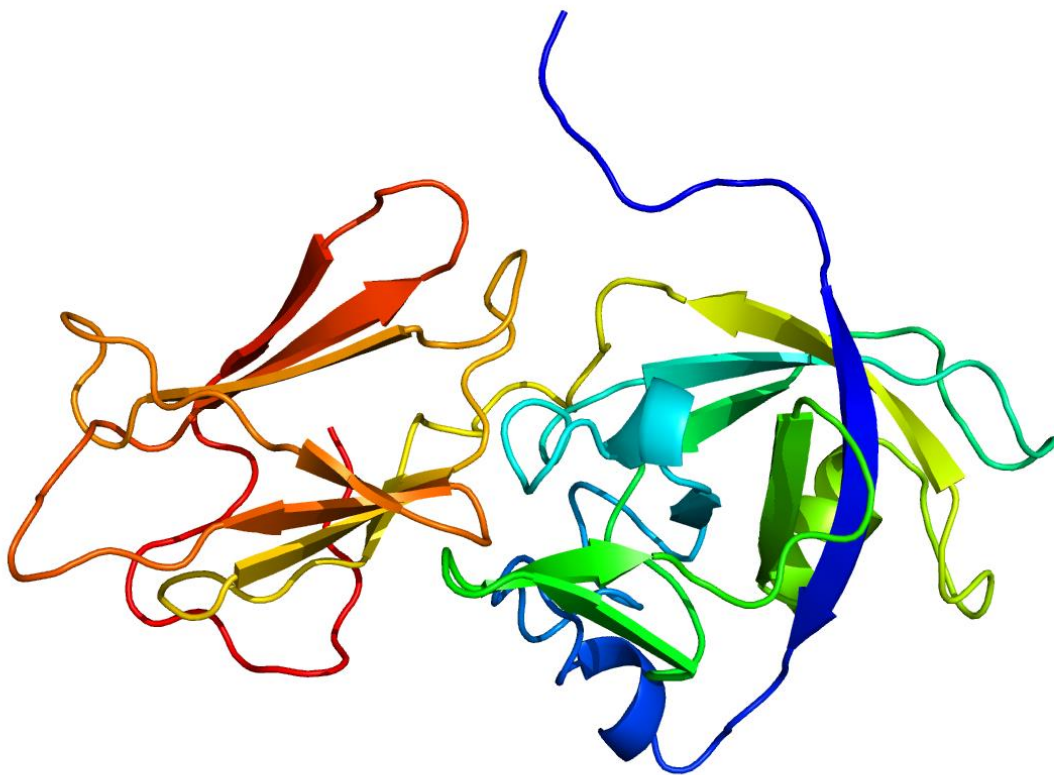
**Locus:** AUR62010206

**Gene Model:** AUR62010206

**Description:** CqEXPA-04

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

Phytozome: [https://phytozome-next.jgi.doe.gov/info/Cquinoa\\_v1\\_0](https://phytozome-next.jgi.doe.gov/info/Cquinoa_v1_0)

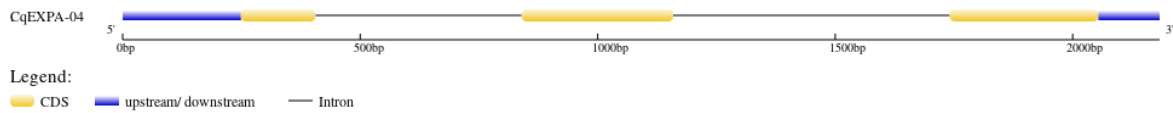
KEGG: <https://www.genome.jp/entry/T05764>

## EXTERNAL RESOURCES

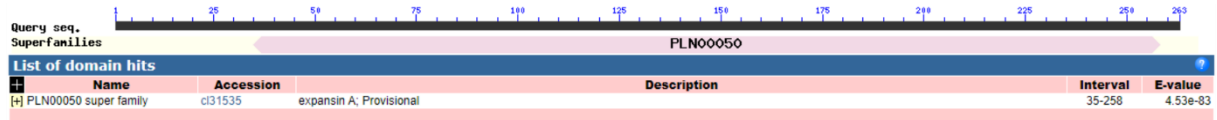
<https://www.cbrc.kaust.edu.sa/chenopodiumdb/>

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>CqEXPA-04

MSTILQSAFFCLILLQSNIFTALSYYDDFEPDDEWESATATYIKEANGSIIEGACGYGD  
LHKATYGRYGTGLSTILFNRGSSCGACFEIRCVDHIKWCQPGSPAVVTVTDFCAPN  
YGLPSDYGGWCNFRQHFEMSEDAFTEIAVKSADLIPIQYRRVECERDGGMKFTVTG  
NANLYQVLITNVGLDGEVTGVKIKGSRTGWIPMARNWGQLWQCNINLKGQSLSEFV  
TTSSGKSVTSYNVAPRNWQFDQTFEGKQIYNY\*

### CDS (coding sequence)

>CqEXPA-04

ATGAGCACAATCCTTCAATCTGCATTTTTCTGCTTAATTTTACTGCAATCCAACAT  
TTTTACTGCTCTAAGTTATGATGATTTTGAGCCTCCAGATGATGAATGGGAGTCTG  
CTACTGCTACTTACATTAAGAAGCAAATGGGTCTATTATTATTGAAGGGGCATG  
TGGGTATGGTGACCTTACAAGGCAACATATGGAAGATATGGAACAGGACTAAG  
CACAATATTGTTCAACAGAGGGAGTAGTTGTGGAGCTTGTTTTGAGATCAGGTGT  
GTTGATCATATTAATGGTGTGAGCCTGGGAGTCTGCAGTTGTCGTAACCGTCA  
CCGATTTCTGTGCTCCAAACTATGGTCTACCTTCTGATTATGGTGGATGGTGTAAC  
TTTCTCGCCAGCATTGAAATGTCTGAAGATGCATTTACTGAAATTGCTGTCAA  
GTCTGCTGATTTAATTCCAATTCAGTACAGGAGGGTGGAGTGTGAAAGAGACGGT  
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TAAAGGGCAATCGCTCTCATTGAGGTAACACCAGCAGTGGGAAATCAGTGACT  
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### Nucleotide

>CqEXPA-04

GGTTCCTACTTATTTTAAAGACTTTTAGCTTACCTTGTGTCTGCCACCCCAGAAA  
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CAGAAGGGGCATGTGGGTATGGTGACCTTCACAAGGCAACATATGGAAGATATG  
GAACAGGACTAAGCACAATATTGTTCAACAGAGGGAGTAGTTGTGGAGCTTGTTT  
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GTCGTAACCGTCACCGATTTCTGTGCTCCAACTATGGTCTACCTTCTGATTATGG  
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