

## IDENTIFICATION

**Species:** *Chenopodium quinoa*

**Locus:** AUR62010561

**Gene Model:** AUR62010561

**Description:** CqEXPA-05

**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)

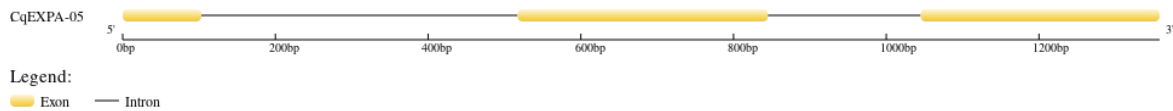
KEGG: <https://www.genome.jp/entry/T05764>

## EXTERNAL RESOURCES

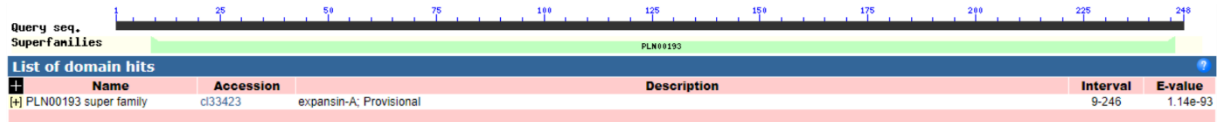
<https://www.cbrc.kaust.edu.sa/chenopodiumdb/>

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>CqEXPA-05

MVTLNNGYASHFKPSKWKYAHATFYGDDSASETMGGACGYGNLFNNGYGTNTAAL  
STILFNNGYGCGSCYQIMCVGSKWCNRGHGHSPTSITITATNLCPPNWAQDSNAGGW  
CNPRAHFDSLMPAFKKLAFWKAGIVPVQYRRVPCAKKGGIKFSFQGNNYWLLTTV  
MNVGGAGDIAKMWVVKSGKTGWISMHNWGASYQAFGQLGGQCLSFKIQSYSTRETI  
VAYNVVPPYWSVGMTYQAKVNFR\*

### CDS (coding sequence)

>CqEXPA-05

ATGGTGACATTGTCAAATGGATATGCTTCTCATTTCAAGCCAAGCAAATGGAAAT  
ACGCTCATGCAACTTTTTATGGTGATGACAGTGCCTCTGAAACCATGGGAGGAGC  
ATGTGGATATGGAAATTTGTTCAACAATGGGTATGGTACAAATACAGCTGCATTA  
AGCACAATATTGTTCAATAATGGATATGGTTGCGGTAGTTGCTATCAAATAATGT  
GTGTCGGATCAAATGGTGCAATAGGGGTCATGGGCACAGCCCGACTTCCATTAC  
TATCACTGCCACAAATCTATGCCCTCCAACTGGGCTCAAGATAGTAACGCCGGT  
GGCTGGTGTAACCCTCCTAGAGCTCATTTTGACCTCTCCATGCCTGCCTTTAAGAA  
ACTTGCCTTTTGGAAGGCTGGCATCGTTCCAGTCCAATACCGGAGGGTCCCATGC  
GCGAAAAGGGAGGGATAAAATTTAGCTTCCAAGGGAACAACACTACTGGTTGCTA  
ACAACGGTAATGAACGTAGGTGGTGCCGGTGACATTGCCAAAATGTGGGTGAAA  
GGATCTAAAACCGGATGGATTAGCATGAGCCACAATTGGGGAGCTTCATACCAA  
GCTTTTGGTCAATTAGGAGGTCAATGTCTTTCTTTCAAATCCAATCTTACTCCAC  
TCGTGAGACAATTGTTGCTTACAATGTTGTCCCACCTTATTGGAGTGTAGGCATGA  
CTTACCAAGCCAAAGTCAACTTCCGATGA

### Nucleotide

>CqEXPA-05

ATGGTGACATTGTCAAATGGATATGCTTCTCATTTCAAGCCAAGCAAATGGAAAT  
ACGCTCATGCAACTTTTTATGGTGATGACAGTGCCTCTGAAACCATGGGTAAACA  
AATTAATTATTGTTGTTTTCTTTATTTATATAACATGCACTTCATACATAGCAC  
ATAACCCCTTATTTATTTATTTATTTATTTATTTTATTATGCTAATGAGATTGT  
ATAATATTAACCTTATACGAGATACGAATGGTTCTTTTATTTCCATCTTGGAGAT  
TACATTTTACTTTTTGGGTCATGCAACTTTATAGTACACTCGTATACATGCAATAA

ATAGATGTGCGTGTATACATGGGCTCTCTTTTTGGGTACAAAATACAACATAATAA  
TCTAATTATATGCATGATCGAGCCTAATGCTTCTCTTTGTACACACCCTAAGCTAG  
CTAGTGAAGTAAGAAATCATTTTTTTACTACAATGTATGAAATATTGATTTTTTTT  
TTTTCTATTACAGGAGGAGCATGTGGATATGGAAATTTGTTCAACAATGGGTA  
TGGTACAAATACAGCTGCATTAAGCACAATATTGTTCAATAATGGATATGGTTGC  
GGTAGTTGCTATCAAATAATGTGTGTCGGATCAAATGGTGCAATAGGGGTCATG  
GGCACAGCCCGACTTCCATTACTATCACTGCCACAAATCTATGCCCTCCAACTG  
GGCTCAAGATAGTAACGCCGGTGGCTGGTGTAAACCCTCCTAGAGCTCATTTTGAC  
CTCTCCATGCCTGCCTTTAAGAACTTGCCTTTTGGAAAGGCTGGCATCGTTCCAGT  
CCAATACCGGAGGTAATAAACTATCCTTCGACAAGCTCATTAAATAGTATTTTTCGT  
ATATAAAGATAACAAAATTTTAATTTAAAATAGTCTTTTAAGGCTTTTTTTTTGTA  
CAACTACAAGTCTGGCTTAAGTCGATAATTTGGTCAAACCTTGTTATTAATCAAT  
AAAAATTAATTTAGTTATTTTTATATTTATTGGTGACCAAGCAGGGTCCCATGCG  
CGAAAAAGGGAGGGATAAAATTTAGCTTCCAAGGAACAACACTACTGGTTGCTAA  
CAACGGTAATGAACGTAGGTGGTGCCGGTGACATTGCCAAAATGTGGGTGAAAG  
GATCTAAAACCGGATGGATTAGCATGAGCCACAATTGGGGAGCTTCATACCAAG  
CTTTTGGTCAATTAGGAGGTCAATGTCTTTCTTTCAAATCCAATCTTACTCCACT  
CGTGAGACAATTGTTGCTTACAATGTTGTCCCACCTTATTGGAGTGTAGGCATGA  
CTTACCAAGCCAAAGTCAACTCCGATGA