

IDENTIFICATION

Species: *Phalaenopsis equestris*

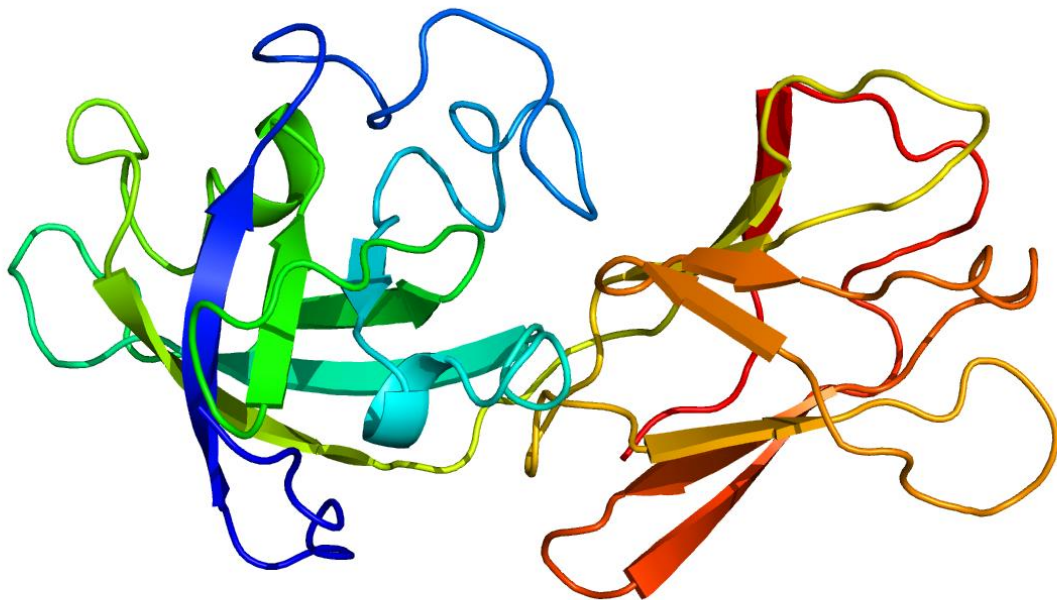
Locus: XP_020592460

Gene Model: XP_020592460.1

Description: PeqEXPA-04

Family: Alpha Expansin

3D structure:



GENOME DATABASES

NCBI: <https://www.ncbi.nlm.nih.gov/genome/?term=Phalaenopsis+equestris>

KEGG: <https://www.genome.jp/entry/T05601>

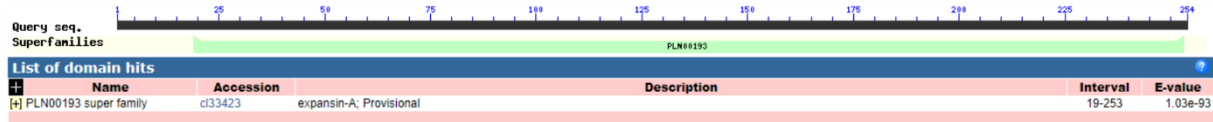
EXTERNAL RESOURCES

http://orchidbase.itps.ncku.edu.tw/est/Phalaenopsis_2019.aspx

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PeqEXPA-04

MASIITPLLLLILASTAAA AVFQSPWFLAHATFYGDQTA SETMGGACGYGNLFVNG
YGTDTAALSSTLFNNGYACGQCYQIRC VSSPNCFRGSPFTT VTATNLCPPNWGEDSN
NGGWCNPPRAHFDMSKPAFMKIANWKAGIVPV MYRRVPCMKKGGRLRFQFQNGY
WLLVYVMNVGGGGDISGMSVKGSKTGWIAMSHNWGASYQAFSRLGGQSLSFRLTS
YTTKQTIVAYDVAPSNWNVGLTYQANVNFT

CDS (coding sequence)

>PeqEXPA-04

AGCACCACCAATTAAGAACCTGCGCGCACGAATAATAAGCCCCTCCCACATTCTC
ATCTGAGCCGGCGGGCGACCGCTCGCTATATATCCCTTCTTCTCGCCAAACATCTCC
AAGCCATTCTTTCAGAGATACATCGAAGCACCAAGCCAGTTCATTTATAATCAGC
TCGCTCGCTCGCTCGCTCTCGCGCGCGCGCGAGCGCAACAATCAATTATATGGCT
TCCATCATTACTCCTCTCCCGTTGCTTCTCATTCTCGCCTCCACCGCCGCCGCCGCC
GTCTTCCAGCCGTCCCCATGGTTCCCTCGCCCACGCCACTTTTTACGGCGACCAAAC
AGCTTCCGAAACCATGGGTGGAGCGTGCGGGTACGGGAACCTGTTTGTGAACGG
GTACGGGACGGACACGGCGGGCGCTGAGCTCGACGCTGTTTAACAACGGGTATGC
GTGCGGACAATGTTATCAGATTCGGTGCGTGAGCTCGCCGAATTGCTTCCGCGGG
TCTCCGTTACACGGTGACGGCAACCAATCTTTGCCCGCCGAATTGGGGGGGAGG
ATTCTAACAATGGCGGGTGGTGCAATCCACCGAGGGCGCATTTCGATATGTCCAA
GCCGGCGTTCATGAAGATCGCCAATTGGAAGGCAGGCATTGTTCCGGTGATGTAC
CGCAGGGTGCCATGCATGAAGAAAGGAGGGCTGAGATTTAGTTTCAGGGGAAC
GGGTACTGGCTGCTGGTGTATGTTATGAACGTGGGAGGTGGGGGTGATATAAGCG
GGATGTCAGTGAAGGGCAGCAAGACAGGGTGGATAGCCATGAGCCACAACCTGGG
GGGCTTCTACCAAGCCTTCTCCCGCCTCGGGGGCCAATCCCTCTCCTTCAGACTC
ACTTCATATAACCACTAAGCAGACCATCGTCGCCTACGACGTCGCTCCTTCTAACTG
GAACGTCGGCCTCACTTACCAAGCTAATGTAAATTTACATGA

Nucleotide

>PeqEXPA-04

NNNNNNNNNNNNNNNNNNNNNNNNNNNNNACA ACTAAAACAAGTTTATATTTCAACAGT
CATATCTTGTAGGTTGTGAGAACTTTGTCAA ACTCACCTGAAAGCTGTTATGCTAT

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