

IDENTIFICATION

Species: *Phalaenopsis equestris*

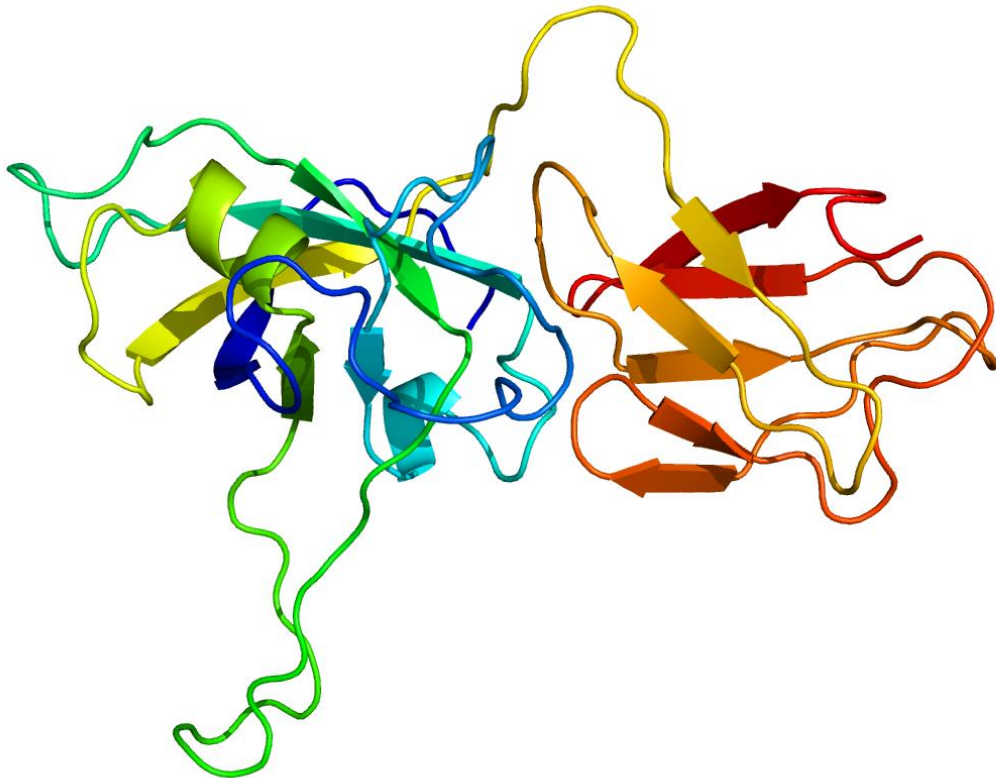
Locus: XP_020592044

Gene Model: XP_020592044.1

Description: PeqEXPA-07

Family: Alpha Expansin

3D structure:



GENOME DATABASES

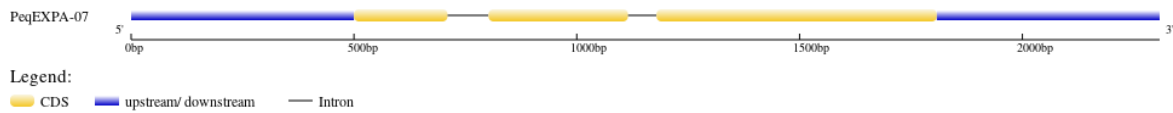
NCBI: <https://www.ncbi.nlm.nih.gov/genome/?term=Phalaenopsis+equestris>

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

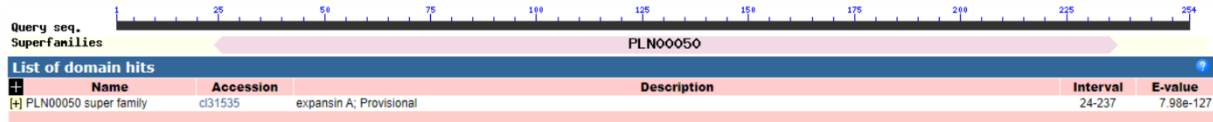
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PeqEXPA-07

MAPSLPLLFSLLLFAAAASADDYGWQGAHATFYGGGDASGTMGGACGYGNLYSQ
YGTNTAALSTALFNNGMSCGSCYEMRCDDDPRWCLPGSIIVTATNFCPPNNALPNDN
GGWCNPPLQHFDLAEP AFLQIAQYRAGIVPVAFRRVPCA KKGIRFTINGHSYFNLVL
ITNVGGAGDVHAVSIKGSNTGWQAMSRNWGQNWQSN SFLNGQSLSFQVTTSDGRII
TSNDVXAGGMAVWPDLRGQPVLITITD

CDS (coding sequence)

>PeqEXPA-07

TCTCCTCCTCCCTCCCTTCCCTCTCCACACCTCAAACCTCAAACCCATCATCATTT
CTCCTTTCCAACGCCAATTCCTAACAATGGCACCATCCCTCCCCCTCCTTTTCTCG
CTCCTCCTCTTTGCCGCCGAGCTTCCGCCGACGACTACGGCTGGCAAGGTGCC
ACGCAACCTTCTATGGAGGCGGCGATGCTTCCGGCACAATGGGAGGGGCTTGTGG
CTATGGAAATCTATACAGCCAGGGGTACGGCACCAACACCGCAGCACTGAGCAC
AGCATTATTCAACAACGGCATGAGCTGCGGATCATGCTACGAAATGCGGTGCGAT
GATGATCCCAGATGGTGCCTGCCTGGCTCCATCATCGTCACAGCCACAACTTTT
GCCACCCAACAACGCCCTGCCAACGACAACGGCGGCTGGTGCAACCCTCCCCT
CCAGCATTTGATCTCGCCGAGCCTGCCTTCCTCCAGATCGCTCAATACCGCGCCG
GCATTGTCCCCGTCGCCTTCCGCAGGGTCCCCTGTGCCAAGAAAGGAGGTATTCG
ATCACAATTAACGGCCACTCCTACTTCAATCTTGTTTTAATCACCAATGTCGGTG
GCGCCGGAGACGTGCACGCGGTGTCTATCAAGGGATCGAACACCGGATGGCAAG
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AGAGCCTTTTCATTCCAAGTGACCACCAGCGACGGCCGCATCATCACCAGCAACGA
CGTANGCGCCGGCGGGATGGCAGTTTGGCCAGACCTTCGAGGGCAGCCAGTTCTG
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GCTTCATATTGTTTAGCACCCGCTGAGGCTTTTCTCATTATAGTTAGCTATAACGT
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GGTTCTCACATGGGTGATATAAATTTGTGCTTTGGACGGATATGTAATATGATCC
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Nucleotide

>PeqEXPA-07

AAACTTGTAATTTATCTATCTAGAATTA AAAATTTAATAGACAACGCTTTTCGGATG
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