

IDENTIFICATION

Species: *Phalaenopsis equestris*

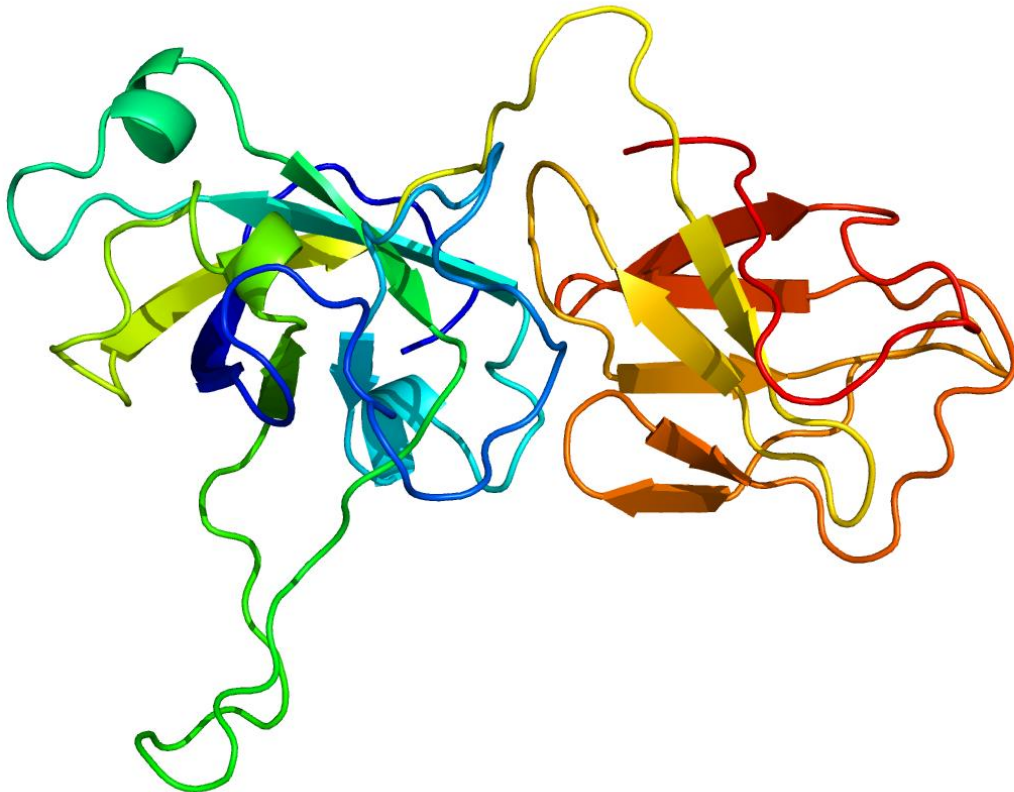
Locus: XP_020590408

Gene Model: XP_020590408.1

Description: PeqEXPA-02

Family: Alpha Expansin

3D structure:



GENOME DATABASES

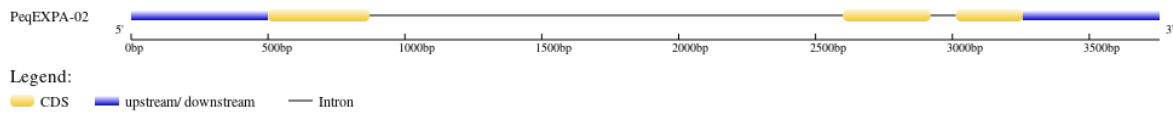
NCBI: <https://www.ncbi.nlm.nih.gov/genome/?term=Phalaenopsis+equestris>

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

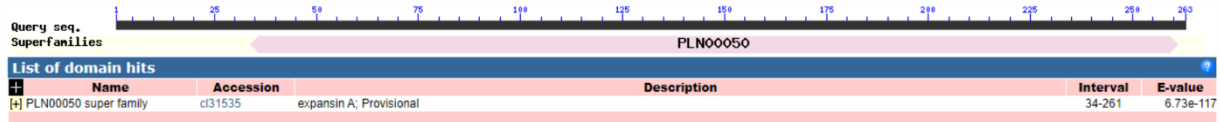
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PeqEXPA-02

MSSLSSAASALAVGIFLTAIVSPAARIPGVYVGGTWNQAHATFYGGSDASGTMGGA
CGYGNLYSQGYGVQTAALSTALFDNGQSCGACFEIKCADDPQWCHPGSPSILVTATN
FCPPNYALPSDNGGWCNPPRPHFDLAMPMFLKIAEYRAGIVPVTYRRVPCRRGGGIR
FTINGFRYFNLVLIMNVAGAGDIVSARVKGSNTGWMPMTRNWGQNWQSNAILVGQ
SLSFHITGSDRRSSTSWNIVPANWQFGQTFSGKNFRV

CDS (coding sequence)

>PeqEXPA-02

CTCACTCCTTAAGTAGCCCTTCCTCCTCACACTTCTACCCGCATTTTCTCCCTAGC
CGTTATTCCTTATACTTAGTTAAGATGTCTAGCCTCAGCTCCGCCGCTTCCGCATT
AGCCGTCGGAATTTTTCTGACAGCAATAGTTTCGCCGGCTGCCGCCCGCATCCC
GGCGTCTATGTTGGCGGTACATGGAATCAGGCACACGCAACCTTTTACGGTGGAA
GCGATGCTTCCGGCACCATGGGTGGGGCGTGTGGGTACGGGAACCTTTACAGCCA
GGGATACGGTGTACAGACGGCGGGCGCTGAGCACTGCATTGTTTCGACAATGGCCA
GAGCTGCGGAGCTTGTTCGAGATCAAGTGTGCTGATGATCCTCAATGGTGTCAT
CCAGGAAGCCCTTCCATTCTCGTGACGGCGACGAACCTTCTGCCCGCCTAACTATG
CTCTACCCTCTGATAATGGAGGATGGTGCAATCCACCCCGCCCCACTTTGATCTC
GCCATGCCAATGTTCTTAAGATCGCCGAGTACCGTGCCGGCATCGTTCAGTGA
CCTACCGCCGGGTGCCGTGCCGGAGGGGGGGGGGATCCGGTTCACCATAAACG
GGTTCAGATACTTCAACCTGGTGCTGATCATGAACGTGGCTGGCGCCGGCGACAT
CGTTAGCGCGAGGGTGAAGGGCTCGAACACGGGGTGGATGCCAATGACCCGCAA
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CACATCACCGGAAGCGATCGCCGGAGCTCCACCTCCTGGAACATCGTCCCCGCCA
ATTGGCAGTTCGGCCAGACTTTTTCCGGCAAGAACTTTCGCGTCTGATTTGTTCTC
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Nucleotide

>PeqEXPA-02

GGTCAAATTAACATAAAAGCGCCATCTTTTGTCAAACACATCAGTCCCAACTTT
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