

IDENTIFICATION

Species: *Phalaenopsis equestris*

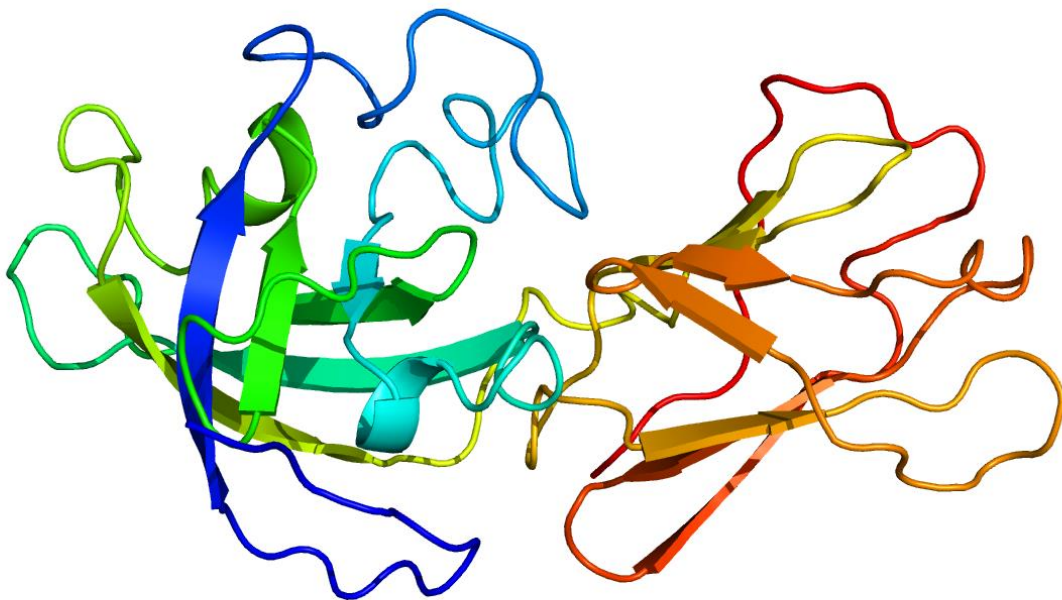
Locus: XP_020572179

Gene Model: XP_020572179.1

Description: PeqEXPA-11

Family: Alpha Expansin

3D structure:



GENOME DATABASES

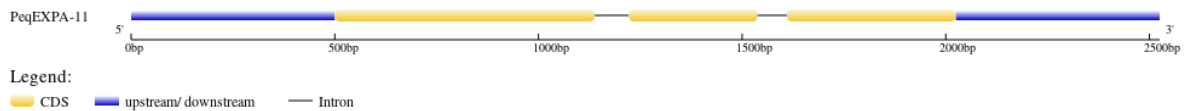
NCBI: <https://www.ncbi.nlm.nih.gov/genome/?term=Phalaenopsis+equestris>

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

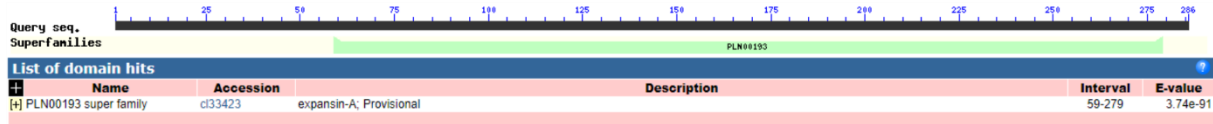
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PeqEXPA-11

MPCTPFSSPPPPRKPMSPPPAQSPSTLRLLLPLLVSSAFLHLAGAHRSSFSFSSALSE
WRPARASYAASDPRDTVGGACGYGDLGKSGYGLATVGLSTALFEKGLACGGCYE
VRCVEELQYCIPGTSIALTATNFCPPNYGLPSDAGGLCNPPNSHFVMPAAFEKIAIWK
AGVLPQYRRIKCGREGGVRFTIEGRFFVAVLISNVAGAGDVTAVKVKGTATGWLQ
MGRNWXGQNWIIAADLRGQPLSFELTSDGVTLTSYVAPHDWSFRQTYIGKQFLF

CDS (coding sequence)

>PeqEXPA-11

GCGAAGTCTCAAACCTCAACCTCTCCCAGAAGCCTCAAACACAACCTCCCAGAACA
TATTGCGTACGATAAATATAAGAGAAAATAGAGCTAAGTTGCTGCATCACTGCAA
TTCCACAATCAAAACAAAACAAAACCCTCGATTATTATCAGCCCCTCACTCTCCC
CTGCTCCGCTCATTAATGCCCTGTACACCTTTCTCATCGCCACCACCTCCTCGAAA
ACCCAAAATGTGCGCCGCCGCGCAATCTCCGTCAACTCTCCGCCGCTCCTT
CTACCTCTCCTTGTCTCATCAGCTTTCCTACACCTCGCCGGCGCTCACCGTTCCTT
TTCTCTTTCTCTTCCGCTCTTCCGAGTGGCGTCCCGCACGCGCTTCTACTACGCC
GCTTCTGATCCACGGGACACCGTCCGAGGAGCTTGCGGCTATGGCGATCTGGGGA
AAAGCGGGTACGGTCTGGCTACAGTTGGGTTGAGCACCGCGCTTTCGAGAAAG
GGTTGGCGTGCGGAGGATGCTACGAGTCCGATGCGTGGAGGAGCTCCAGTACT
GCATCCCAGGAACCTCCATCGCTCTCACGGCAACCAATTTCTGTCCGCCTAATTAC
GGCCTCCCCTCCGACGCCGGAGACTCTGCAACCCCCCTAATCCCCTTCGTCAT
GCCCATAGCTGCATTCGAGAAGATTGCCATCTGGAAAGCGGGAGTCCTCCCAATC
CAATACCGCCGGATAAAGTGCGGAAGGGAAGGAGGTGTGAGATTCACAATCGAG
GGGCGGAGATTCTTTGTGGCGTTCTGATAAGCAACGTGGCCGGCGCCGGTGATG
TCACGGCGGTAAGTGAAGGGACAGCGACCGGTTGGCTGCAGATGGGAAGAA
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GACTGGTCTTCCGCCAGACCTACATCGGCAAGCAATTCCTATTCTGATTCAAAA
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Nucleotide

>PeqEXPA-11

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CACATTTAATTTAAAAAAAATAAAAATTGAGAAACAATAAACAAACGTATTTTTA
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CTTTTGACTAGTTTTGATGATAGGCAGGTCAATTGCCCTAAAACCTTTTATTTAAC
CTAACATTTGTATTTCAAACCACTCATTTCGAACGGTCCATTTATTGGATCTCACC
CAAAATTTCCACCCCAATTAAGTACTCATTTACCATGATTAACAGCTGAAAAGCT
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