

IDENTIFICATION

Species: *Elaeis guineensis*

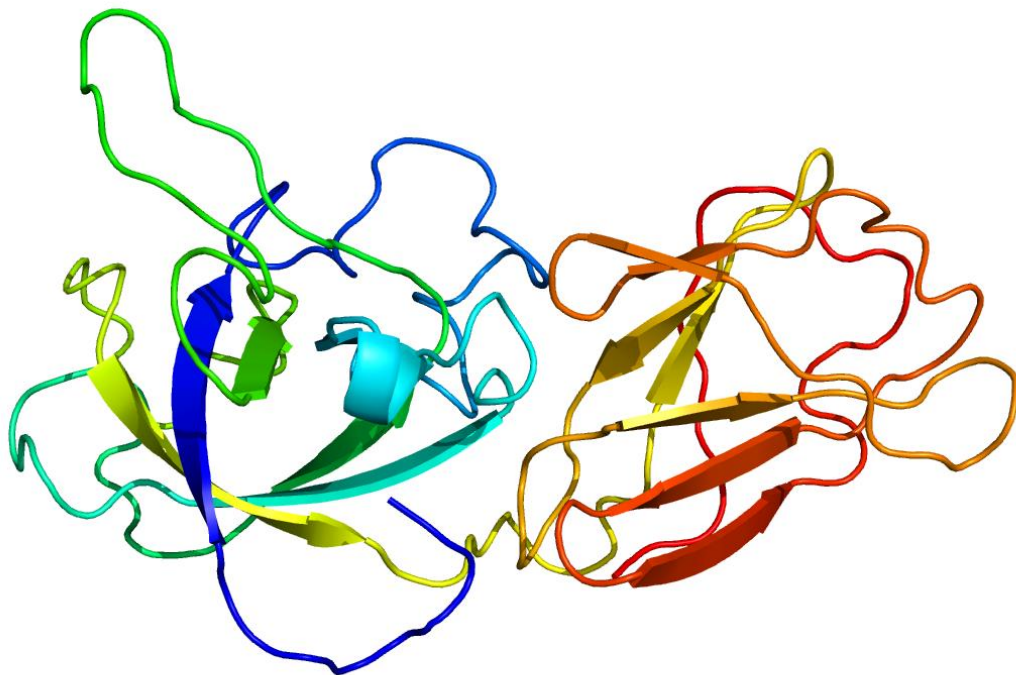
Locus: XP_010920576

Gene Model: XP_010920576.1

Description: EgEXPA-09

Family: Alpha Expansin

3D structure:



GENOME DATABASES

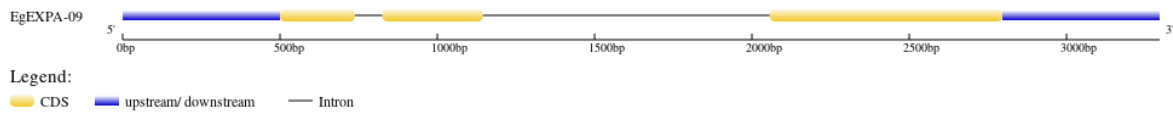
NCBI: [https://www.ncbi.nlm.nih.gov/genome/?term=txid51953\[orgn\]](https://www.ncbi.nlm.nih.gov/genome/?term=txid51953[orgn])

KEGG: <https://www.genome.jp/entry/T03921>

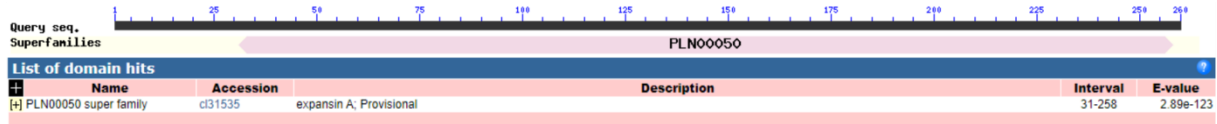
EXTERNAL RESOURCES

-

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>EgEXPA-09

MAFFHGAATIAVSLLAFLTLADARIPGVYAGGQWQTAHATFYGGSDASGTMGGACG
YGNLYSQGYGVETAALSTALFNEGLSCGACFEIKCADDPRWCHPGSPSIFITATNFCPP
NYALPSDNGGWCNPPRPHFDLAMPMFLKIAQYRAGIVPVSYRRVPCRKSGGIRFTIN
GFQYFNLVLITNVASAGDIVRVSVKGSRTGWMPMSRNWQNWQSNVAVLVGQSLSF
RVTASDRRTSTSWNIVPANWQFGQTFAGKNFRV

CDS (coding sequence)

>EgEXPA-09

TTCAACCCAGTCTCGCCCCCGCCCCGGCGCCATTACACCGTTCCCTCTCA
TTCTATTCTCTCTCCAAGGATTCCAAAATGGCCTTCTTCCACGGCGCCGCAACCA
TCGCCGTATCTCTGCTCGCATTCTTGACCCTCGCCGACGCCGGATCCCCGGGGTC
TACGCAGGCGGACAGTGGCAGACGGCCCATGCCACCTTCTACGGCGGCAGCGAC
GCCTCCGGCACCATGGGAGGGGCGTGTGGGTACGGGAATCTGTACAGCCAGGGG
TATGGGGTGGAGACGGCGGCCCTGAGCACGGCGCTGTTCAATGAGGGGCTGAGC
TGCGGGGCGTGCTTCGAGATCAAGTGCGCGGACGACCCAGATGGTGCCACCCG
GGGAGCCCCCTCCATCTTCATCACCGCCACCAACTTCTGCCCCCTAACTACGCCCT
CCCCTCCGACAATGGAGGCTGGTGCAACCCTCCACGGCCCCACTTCGACCTCGCC
ATGCCCATGTTCTCAAGATCGCCAGTATCGCGCCGGCATCGTCCCCGTCTCTTA
CCGCAGGGTGCCGTGCCGGAAGTCGGGGGGGATCCGGTTCACCATCAACGGGTT
CCAGTACTTCAACCTGGTGCTGATACCAACGTGGCCAGCGCCGGCGATATCGTC
CGGGTGAAGCGTGAAGGGGTCGAGGACGGGGTGGATGCCCATGTCCCGGAACTGG
GGGCAGAACTGGCAGTCCAACGCCGTGCTGGTGGGCCAGTCCCTCTCCTTCCGCG
TCACCGCCAGCGACCGCCGCACCTCCACCTCCTGGAACATCGTCCCCGCCAACTG
GCAGTTCGGCCAGACCTTCGCCGGCAAAAATTTCCGGGTCTAATTTACCTATCAT
GGATTTATGGGCAATTGCAGACATGGTGGTTCGGACTGGGGTTTCAAATTTCCCGC
CATGTTCATGCTCTGGTGTCTTTCTTTTCTAGGCGCCAACCTTTTAGGCTCTGTAGT
AGTGCTCACCGGGTTTGGGTTACTGAGGCAAGGGTTTGGATGGTAGTCGTGAAG
AAAGGAGAGGGCGGGACTTTCATGTTTGGATTGACCGTTAGCTCGTGATGTTACT
GAACGTAGTGGGATTAGCGCGAGCGTAGGGCGCAGCAGCGGCTGAAGTGGCTGC
AGGCCAAAAGAATGATTGCCAGTAGCCCGCAGCTGCTTATATGTAATATCTGATC

ATAGCATGATGGTAATATATATGTGCGATTGAGATGTAGTTTGATATACATAGATA
TGAACAAGTTCTGAGGGGAAGAACTAGATTT

Nucleotide

>EgEXPA-09

CTTCAAGCCTGCCGTATGTTGCAAGGGAGTAGACCACCACGATGTAATATTAGGT
AAGTGCAACTAGGGACGACAATGGGCTCGAGGTGGGACCACCTTTTCTAATTAAA
AGCCAACATGTGGACACTGTTTCGCGCCTTTTGTTCCTCTTCTCCTCTCCCGCTGC
CACGAGCATTTCGGTTGTATGTTTCGCACGAATTAATGATTGATCTTTTTTGTTCG
CGACACCAACCGTTGGATCATGCCTAGTGCAGCTTCAAAGCAGGAAAGGATAAA
ATTACAACATTGCGACCATCTACGTAGTGTATCCACCCCATCCTAACCCTGCTTA
GGAATCAGTTAGTTATTAATACGAGAAGGCTTATTAATAAATGGCATTTCGTAA
CTGACCAGATCAAGCCAACTCCCAATCCCCTTTTCGTCCTTTTACTTTTCTTTCTA
ATATTTAAGAAAAAATATCCCCCACTCACTCCATAAGTAGCGCACCCCTCCTCCC
GCTTTCAACCCAGTCTCGCCCCCGCCCCGGCGCCATTACACCCGTTCCCTC
TCATTCTATTCTCTCTCCAAGGATTCCAAAAATGGCCTTCTTCCACGGCGCCGCAA
CCATCGCCGTATCTCTGCTCGCATTCTTGACCCTCGCCGACGCCCGGATCCCCGGG
GTCTACGCAGGCGGACAGTGGCAGACGGCCCATGCCACCTTCTACGGCGGCAGC
GACGCCTCCGGCACCATGGGTACCACCCACATTTCCCTTTTAGGGCTAGCTCACTT
GGCGTAGATTAATTAAGCGTCGTTTGATTTGTTTTCTTTGTTATATATTAGGAGGG
GCGTGTGGGTACGGGAATCTGTACAGCCAGGGGTATGGGGTGGAGACGGCGGCC
CTGAGCACGGCGCTGTTCAATGAGGGGCTGAGCTGCGGGGCGTGCTTCGAGATCA
AGTGC GCGGACGACCCAGATGGTGCCACCCGGGAGCCCTCCATCTTCATCAC
CGCCACCAACTTCTGCCCCCTAACTACGCCCTCCCCTCCGACAATGGAGGCTGG
TGCAACCCTCCACGGCCCCACTTCGACCTCGCCATGCCCATGTTCTCAAGATCGC
CCAGTATCGCGCCGGCATCGTCCCCGTCTTACCGCAGGTATATTCGCACCCAC
CCCACCACCTCTTGCTTTCTTTTTCTTTTTCTTTTTCTCCACCGTAGATCTAATGCC
ACCGATGAATCTCCGTCCCTTGACTAGTGGTTCCCCCGGCTGTGATGGAATCGCTC
AACTCTCACTCACTACTACTACCTCTCTCTTTTGGTCGCCGTTTTTTATTTTACTTT
TTTTTTTTAAACCCTTTCTTAGCGTCCGTCGGCGCTCTTAAACCTCGGTGCTTAGTC
TGGCAGGGACCCTAATAACGTGATGTAATAATTGAGATGCCCTCTTTAACGGC
CTCCATCCGTTTCATTGCAGCATTGGCTTCGCCATTTAGTTATGCATTCCCCTACTC
GTTTATTTTAAACGGGCAGGAAGGAACTTAAATTGTATTTTGGGATAATATAAAT
TAATTATGAGATAAAGTACTCATTACCAAAAACGGAAAAATAAAGTACTAAATTA
GTACGAAGAACGGAAGGAGCGGTCTTGGTCATCGACTATGTTTGACCTTTTGGAC
CTGCTATCAAACGGCATTCCATTATCTCGCCAAATCTGGGGGCCCGCCATTACCCT
TCACGACACCCGTGATCCCTCCACATGCCCGGGACCCTCTCCGCGTTTCCGGCCG
CTGCTTTTTCAATTTCTTTCAACCTAAATGACTAAAAACACCCCCCCCCCTCAAA
AAAAAAAACGATTGGATTTCCTCTTCGGCGTCTACCAAGAAGGGCAGAATG
GTAATTTTACTGTCCCATCACACGACCCAAAAAGAAAACCGCGTGTATCCTGGGA
GAAAGAGATATACCGAGGCACATGCCCCACGCGCCTGCCCGGCCCCCATCCCTTT
CCAACCTTTTGTATTAATTTTGTATTTTACCGCTCCGAAAATATTTATTTTTTCG
ACAGGGTGCCGTGCCGGAAGTCGGGGGGGATCCGGTTCACCATCAACGGGTTCC
AGTACTTCAACCTGGTGTGATCACCAACGTGGCCAGCGCCGGCGATATCGTCCG
GGTGAGCGTGAAGGGGTCGAGGACGGGGTGGATGCCCATGTCCCGGAACTGGGG
GCAGAACTGGCAGTCCAACGCCGTGCTGGTGGGCCAGTCCCTCTCCTTCCGCGTC

ACCGCCAGCGACCGCCGCACCTCCACCTCCTGGAACATCGTCCCCGCCAACTGGC
AGTTCGGCCAGACCTTCGCCGGCAAAAATTTCCGGGTCTAATTTACCTATCATGG
ATTTATGGGCAATTGCAGACATGGTGGTCGGACTGGGGTTTCAAATTTCCCGCCA
TGTCATGCTCTGGTGTCTTTCTTTTTCTAGGCGCCAACTTTTAGGCTCTGTTAGTAG
TGCTCACCGGGTTTGGGTTACTGAGGCAAGGGTTTTGGATGGTAGTCGTGAAGAA
AGGAGAGGGCGGGACTTTCATGTTTTGATTGACCGTTAGCTCGTGATGTTACTGA
ACGTAGTGGGATTAGCGCGAGCGTAGGGCGCAGCAGCGGCTGAAGTGGCTGCAG
GCCAAAAGAATGATTGCCAGTAGCCCGCAGCTGCTTATATGTAATATCTGATCAT
AGCATGATGGTAATATATATATGTCGATTGAGATGTAGTTTGATATACATAGATATG
AACAAAGTTCTGAGGGGAAGAACTAGATTTAATTTGCTTGGTTTTGGTGTTCATT
TTTTATTTGACTCTGTTTTTAATGCATCTTAACCGCAAAATGAAAACCTACCACCG
TCGAAGCATTATATCCATAAGGTCTTTAGATGTTTTAATTTGCATCATGAGGGA
CTCAACTCGTATTACCAAACAATAGAATTTGAAATCTAGAGGGCTTCCAGCACCG
GAGAAATGGTTAAGTCTCTTGCATCGTCATGCCGTCACTCTGATATCGAGCTCGG
TTCCCATTCATTCTCAATCTTAAGAAGGGGGCTTACAAGAAGGGAAGATTGTG
TTGGACGCTGCAAGAGTTGTA ACTCCCCGCTCGAGTTATAATTTACTTTGTTCCGG
CCCTCAGGGCTTGCTTGTGCTGACCATGTCACCTCCAAAATTGTTCACTATGACAT
GTGAGGCATCATGAAGCCTTTTCGTGCAAGCATGTGACTACGATCTAGATTGGAA
CCAGATCAAAGAGAAGAGGAGAAGATTAA