

IDENTIFICATION

Species: *Oryza sativa*

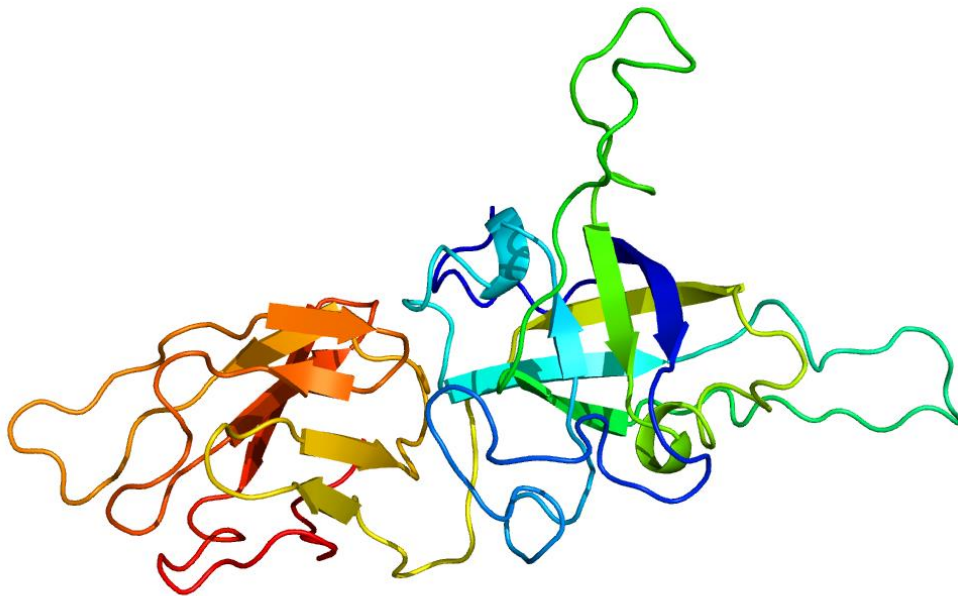
Locus: LOC_Os03g25990

Gene Model: LOC_Os03g25990.1

Description: OstEXPA-19

Family: Alpha Expansin

3D structure:



GENOME DATABASES

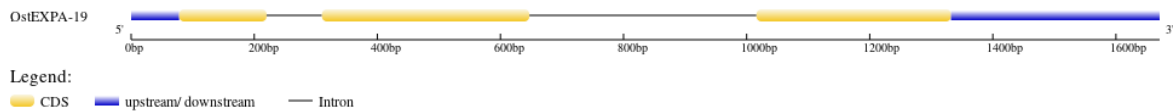
Phytozome: https://phytozome-next.jgi.doe.gov/info/Osativa_v7_0

KEGG: <https://www.genome.jp/entry/T01015>

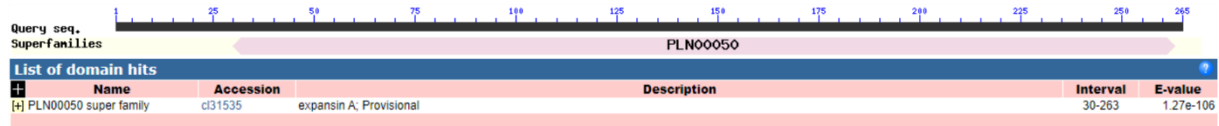
EXTERNAL RESOURCES

<http://rice.uga.edu/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>OstEXPA-19

MAPPSLPILLVLLSLSSSLSSSSAAAAGRWTDAAHATFYGGADASGTMGGACGYGNTY
GQGYGTDTAALSAVMFGDGLSCGACFELRCGGGGGGDRRGCLPPAAGKSIVVTATD
LCPANHALPGDRGGWCNPLHHFDLSQPAFLRIARFQSGIVPVS YRRVACRRKGGMR
FTINGHSYFNLVLVSNVGGAGDVHAVA VKAGGGRKARWQAMARNWGQNWQSGA
LLDGQALSFTVTTGDRRSVVSYNVAPAGWAFGQTFTRQFT*

CDS (coding sequence)

>OstEXPA-19

ATGGCGCCGCGTCGCTACCGATTCTCCTCGTCTTGCTCTCGCTGTCGTCGTCGCT
GTCCTCCTCCTCGGCGGCGGCGGCCGCGCTGGACCGACGCCACGCCACCTTC
TACGGCGGCGCCGACGCCTCCGGCACCATGGGTGGCGCGTGCGGGTACGGGAAC
ACGTACGGGCAGGGGTACGGCACGGACACGGCGGGCGCTGAGCGCGGTGATGTTC
GGGACGGGCTGAGCTGCGGCGCCTGCTTCGAGCTGCGGTGCGGCGGCGGCGGC
GGCGGCGACCGGCGGGGGTGCCTGCCGCGGCGGCCGCAAGTCCATCGTGGTG
ACGGCCACCGACCTGTGCCCGGCCAACCACGCGTCCCCGGCGACCGCGGCGGCT
GGTGAACCCGCCGCTCCACCCTTCGACCTCTCCCAGCCCGCCTTCCTCCGCATC
GCCCGCTTCCAGTCCGGCATCGTCCCCGTCTCCTACCGCCGGGTGGCGTGCCGGA
GGAAGGGAGGGATGAGGTTACCATCAACGGGCACTCCTACTTCAACCTGGTGCT
GGTGAGCAACGTGGGCGGCGCCGGCGACGTGCACGCGGTGGCGGTGAAGGCCGG
CGGGGAAGGAAGGCGCGGTGGCAGGCCATGGCGAGGAACTGGGGCCAGAACT
GGCAGAGCGGCGCGCTGCTCGACGGGCAGGCGCTGTCGTTACGGTGACCACCG
GCGACCGCCGATCCGTGTCGTACAACGTCGCGCCGGCGGGATGGGCGTTCGG
CCAGACCTTCACCGGACGCCAGTTCACCTGA

Nucleotide

>OstEXPA-19

GATCGATGTGTCGAAGTGGACAAGCTGCTTAATAATCAGCTTTCCCTTTTCGCTTG
CGCACGTACGTACGATACGACAATGGCGCCGCGCTCGCTACCGATTCTCCTCGTC
TTGCTCTCGCTGTCGTGTCGTGTCCTCCTCCTCGGCGGCGGCGGCCGCGCTG
GACCGACGCCACGCCACCTTCTACGGCGGCGCCGACGCCTCCGGCACCATGGGT
ACGTAACCAATGCACGCCGATACATATACATCTATCTCAGCTCAGAATTGATCGA

AGTGGCGGCAATGGCGCCGCGGTTGTGTGCAGGTGGCGCGTGCGGGTACGGGA
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GCGGCGGCGACCGGCGGGGGTGCCTGCCGCGGGCGGCCGGCAAGTCCATCGTGG
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GCTGGTGAACCCGCCGCTCCACCCTTCGACCTCTCCCAGCCCGCCTTCCTCCG
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CCGCCGCCGCGCATCGATTGATCAACTCGTCGTAAGCTGATAATTAATCCGCCA
TTGATTTACCCGTCTTGTGTTAGCTCCCAAATAAAAAATTAATATAGAAAAAA
CAATTATGTGTAATGACGAGATGAATTTTTTAAGCCTAATTACGTCATGATTTAA
CAATATGGTGCTATAATAAACATTTACTAATGATAGATTAATTAGGCTTAATTAA
TAAATTCGTCTCGCAGATTCGTAGCGGAATCTGTAATTTATTTTGTATTATACTT
CAAATGTGTGTCCGTATATTCTATGTGACATGTTAAAACAAAATTTTTCGCTGACT
AAACAAGGTCTAAATGTGTGTGTAGGGTGGCGTGCCGGAGGAAGGGAGGGATGA
GGTTCACCATCAACGGGCACTCCTACTTCAACCTGGTGCTGGTGAGCAACGTGGG
CGGCGCCGGCGACGTGCACGCGGTGGCGGTGAAGGCCGGCGGGGAAGGAAGG
CGCGGTGGCAGGCCATGGCGAGGAAGTGGGGCCAGAAGTGGCAGAGCGGCGCGC
TGCTCGACGGGCAGGCGCTGTCGTTACGGTGACCACCGGCGACCGCCGATCCGT
CGTGTTCGTACAACGTCGCGCCGGCGGGATGGGCGTTCGGCCAGACCTTCACCGGA
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TCGATTGACACGTAGGAATTCCACTGTATTGCAATAGTATGTTGTTAGTAGTGCG
ATGGATGTAATATGTGAAACTGACGTAATCCAGACAACACTAATGTAATATATTC
CCCGTCTTAAATTAGTTGTCTTA