

## IDENTIFICATION

**Species:** *Oryza sativa*

**Locus:** LOC\_Os03g04020

**Gene Model:** LOC\_Os03g04020.1

**Description:** OstEXLA-01

**Family:** Expansin Like Alpha

**3D structure:**



## GENOME DATABASES

Phytozome: [https://phytozome-next.jgi.doe.gov/info/Osativa\\_v7\\_0](https://phytozome-next.jgi.doe.gov/info/Osativa_v7_0)

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

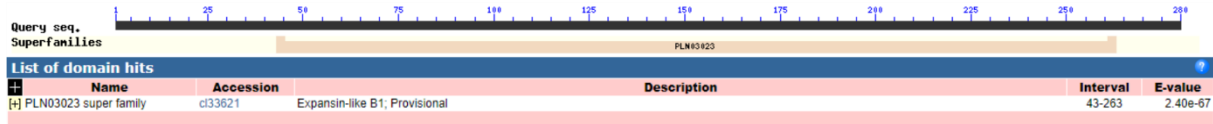
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>OstEXLA-01

MAVSVRCCFGSSSLSHHARLLLIVIVALLAPRLASGCDRCVRRSRAAYYTSSLTLTAGS  
CGYGTAAATFNNGGFLAAAGPALYRGGVGCACGYQVRCKDKKLC SNAGARVVVT  
DRARTNRTGLVLSSPFAAMARPGMAASLTELAAVDVEYKRVPCYRHRSLSVRVD  
ERSRGPNELTISFLYQGGQTDIVAVDVAQVGSSSWKFM TREHGPSWSMANAPPGPLQ  
MRLVVTGGYDGKWVWADREVLPRRWAGEVYDTGVQITDIAQEGCFPCDTHEWK\*

### CDS (coding sequence)

>OstEXLA-01

ATGGCCGTCTCTGTCCGTTGCTGCTTCGGCTCCTCCTCCCTTTCGCACCACGCGCG  
ACTACTCCTCGTCATCGTTGCGTTGCTCGCGCCTCGGCTCGCTTCCGGCTGCGACC  
GCTGCGTGCGCCGCTCCAGAGCGGCTTACTACACCTCCTCGCTCACGCTGACTGC  
CGGTTCTTGCGGGTATGGCACGGCGGCCGCGACCTTCAACGGCGGGCGGATTCCCTC  
GCCGCCGCGGGCCCCGCGCTGTACCGGGGCGGCGTTCGGCTGCGGCGCGTGCTACC  
AGGTGAGATGCAAGGACAAGAAGCTGTGCAGCAACGCGGGGCGCCCGTGTTCGTCG  
TCACGGACCGCGCCAGGACGAACCGCACCGGCCTCGTTCTGAGCAGCCCGGCGTT  
CGCCGCCATGGCCCCGCCCGGCATGGCCGCGTTCGCTCACCGAGCTCGCCGCCGTG  
GACGTCGAGTACAAGAGGGTACCGTGCGAGTACAGGCACAGGAGCCTCTCTGTC  
AGAGTCGACGAGAGAAGTCGCGGACCCAACGAGCTCACCATCAGCTTCCCTTACC  
AAGGCGGCCAAACCGACATCGTTCGCCGTCGACGTCGCCAGGTTGGGTCGTCGA  
GCTGGAAGTTCATGACGAGGGAGCACGGACCGTCGTGGAGCATGGCGAACGCGC  
CGCCGGGGCCGCTGCAGATGAGGCTGGTGGTGACCGGCGGCTACGACGGGAAGT  
GGGTGTGGGCCGACCGGGAGGTCTGCGGAGGCGGTGGCGCGCCGGCGAGGTCT  
ACGACACGGGGGTCCAGATCACTGACATCGCCCAGGAAGGCTGCTTCCCCTGCGA  
CACGCACGAGTGGAAGTAG

### Nucleotide

>OstEXLA-01

ACCTCGGTCTCTCTTCTCCGAAGCGACCCACACTCCCCGTGCCCGAGCCAGAG  
AGTATGGCCGTCTCTGTCCGTTGCTGCTTCGGCTCCTCCTCCCTTTCGCACCACGC  
GCGACTACTCCTCGTCATCGTTGCGTTGCTCGCGCCTCGGCTCGCTTCCGGCTGCG  
ACCGCTGCGTGCGCCGCTCCAGAGCGGCTTACTACACCTCCTCGCTCACGCTGAC

TGGTATGTCGACACGACGGCTCTGTTTTTGTTCGTGGTTTTGCGTGCAGAGGGAGC  
GGCCGGATTATGGATCGACTGATTGATTCTGTTTCGTTTTGTTCTTGCGTGGCACAGC  
CGGTTCTTGCGGGTATGGCACGGCCGGCCGCGACCTTCAACGGCGGGCGGATTCCCTC  
GCCGCCGCGGGCCCCGCGCTGTACCGGGGCGGGCGTTCGGCTGCGGGCGCGTGTACC  
AGGTAATCAAGCTCGATCGAGAAGGAGAACAACCGAAGATAGGCAACTAGCT  
TAGCTGCATATGCCATGTCCATGGCTTCCCCATCCTGACCGATTTCGCTGCTGCAGG  
TGAGATGCAAGGACAAGAAGCTGTGCAGCAACGCGGGGCGCCCGTGTCTGTCGTCA  
CGGACCGCGCCAGGACGAACCGCACCGGCCTCGTTCTGAGCAGCCCGGGCGTTTCGC  
CGCCATGGCCCCGCCCCGGCATGGCCGCGTCGCTCACCGAGCTCGCCGCCGTGGAC  
GTCGAGTACAAGAGGTAAGCAAAGCTACCAAGCTTTACTTTTTTACCCAGCTCGC  
TTTTTTTTACCAACCGCACCTTAGCTCGTGTTCACACATATATAGATAAATATT  
AACTTTACCACTGTTCAACAGAGAGAGTTTTACCGGTCCGTTGCTGTAGTTTACCA  
GTTGCAAAGCGTACGTACGAAATGTTTGGCAAGTGCTAGGGCAGGGCAATAGATA  
GTGAACACGTACGATTGTCCTAAGCCGGAATTGGAAGTCAGGCTCAAATTCGTCA  
GCGATGTGCATGTGCAGGGTACCGTGCAGTACAGGCACAGGAGCCTCTCTGTCA  
GAGTCGACGAGAGAAGTCGCGGACCCAACGAGCTCACCATCAGCTTCTCTACCA  
AGGCGGCCAAACCGACATCGTCGCCGTCGACGTCGCCCAGGTA AAAACACAGCA  
CAGCACAGAACAATCATTAACAATCTGCAAGTGTTTGTGTGTCGAGAATCTAACAA  
TCGTGTGTTGGGAGCTGCAGGTTGGGTTCGTCGAGCTGGAAGTTCATGACGAGGGA  
GCACGGACCGTCGTGGAGCATGGCGAACGCGCCGCCGGGGCCGCTGCAGATGAG  
GCTGGTGGTGACCGGCGGCTACGACGGGAAGTGGGTGTGGGCCGACCGGGAGGT  
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TGACATCGCCCAGGAAGGCTGCTTCCCCTGCGACACGACGAGTGGAAGTAGAA  
GCCCAGCCACACGTA CTCTCCTGTCGTCACGGCCATTTTGGTTGGGCTTTGATGA  
GAAAGAAGACGTCTCTCGGCTCGCTCCAGTAGAGATTTCACTGACCCGATTTAG  
AGTCCTCCTAATCCCTCGGCAACTTCAGAATTTCTCCTCCGTTTCTTCTTCTTCTT  
TTCCA ACTTTGTACATGAGCTACTAACTAATGTGTAAAGATAAAAATTAAGCAAG  
TTACAAACCGTCCCGTCCCATTGGGAGCCTAAACA ACTAACGAAAAACGAACCG  
AATTGGCGCCGCGGTGAAGCAACA ACTCTCCTGAGAACGTTTGCAACAACCAACG  
TATCGCAGTTTCAAAGGGCTCACATGCTGTTGCTGCCTCTGGCCTGGGTGTGTTGC  
TTCCGGCAACATTCCTCTCTACCCTGAGTCCCTGACACATGGCTTGCTCGGCTGCC  
TCTGCCTACGGTGTGCTTGGTCATGTTGCCAGGTGCGGAGCTAAAACGAAATGGA  
GGATGGTACCACTTGCTTAATTTACTTTAGTTTAGATCGAATTTAAGCTGATGCGG  
ATGTCTAAGTTTATATTGAGAGGGTACATACATGATAAGAATAGATAAGATATAG  
CTAAAATAATTTCTTAACCGGGT TACTGGCACCCCTCCTAATATACAGCCCCTGCA  
CGTTGCTCGTTGCTGTTGGTGGTCA