

IDENTIFICATION

Species: *Cucumis sativus*

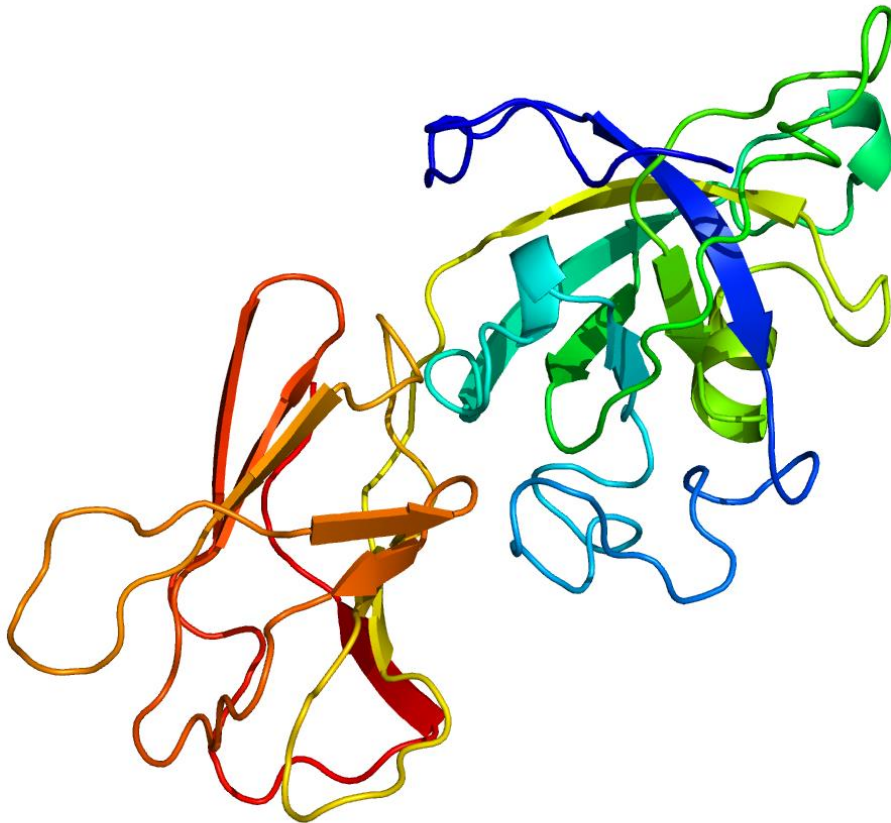
Locus: CsGy6G011740

Gene Model: CsGy6G011740.1

Description: CsEXPA-17

Family: Alpha Expansin

3D structure:



GENOME DATABASES

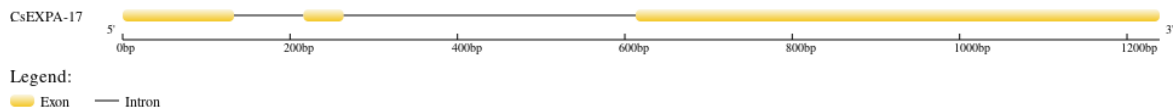
<http://cucurbitgenomics.org/>

KEGG: <https://www.genome.jp/entry/T02486>

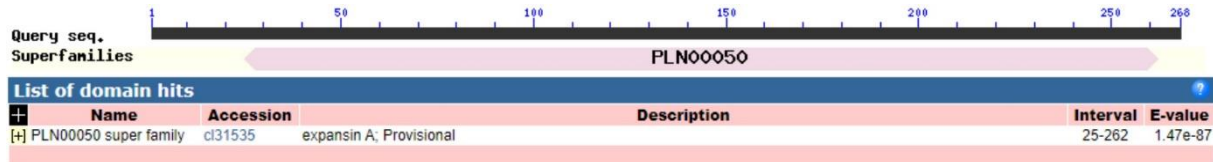
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>CsEXPA-17

MASSRLISPTPSSSPSPIEAQKIDTSWHDGRATFYGDFRGGGETMEYLSIHLSLYIPGSCH
KGACGYGNLFHQGYGLATAALSTALFNNGEACGACFEIMCVNDEHKWCKPNAGTI
KITATNFCPPNYTKTQDIWCNPPQRHFDLSLYMFTKMAPYRAGVIPVRYRRTTRCHKL
GGIRFELKGNPYWLLVLPYNVGGAGDVVDLQIKGSSTGRWLPMKRNWGQNWEADS
YLVGQSLSFRTTSDWKTKEFDNVVPSWFEFGQNFVANYNF

CDS (coding sequence)

>CsEXPA-17

ATGGCTTCCTCTAGACTCATTCTCCAACCTCTAGTTCTAGTCCTAGTCCTATTGA
GGCTCAAAGATCGACACTTCATGGCATGATGGACGTGCCACTTTCTATGGTGAC
TTTAGAGGTGGTGAAACTATGGAATATTTAAGTATTCATCTATCTCTATACATACC
AGGAAGTTGTCATAAAGGAGCTTGTGGATATGGCAATCTATTCCACCAGGGTAT
GGCCTAGCAACAGCAGCACTAAGCACAGCATTGTTCAACAACGGTGAAGCTTGT
GGAGCATGTTTTGAGATAATGTGTGTGAACGACGAACATAAATGGTGTAACCA
AATGCAGGCACAATCAAATAACAGCTACAACTTCTGCCCTCCAACTACACAA
AAACACAAGACATTTGGTGCAATCCACCCCAACGCCATTTTGATCTATCTCTCTAC
ATGTTACCAAATGGCTCCTTACAGGGCTGGGGTCATTCTGTTTCGCTACCGTA
GAACACGTTGCCATAAACTAGGAGGCATACGGTTTGAGTTGAAAGGGAATCCAT
ATTGGCTTCTGTTTTGCCCTACAATGTTGGTGGTGCTGGTGACGTTGTTGACCTT
CAGATTAAAGGCTCTTCTACTGGCCGTTGGCTTCCAATGAAAAGAAATTGGGGCC
AAAATTGGGAAGCTGACAGTTATTTGGTTGGGCAGAGTTTGTCTTTTAGAGTTAC
TACTAGTGATTGGAAGACTAAAGAGTTTGATAATGTTGTGCCTAGTTCTTGGGAG
TTTGGCCAGAACTTTGTAGCAAACCTATAATTTCTAA

Nucleotide

>CsEXPA-17

ATGGCTTCCTCTAGACTCATTCTCCAACCTCTAGTTCTAGTCCTAGTCCTATTGA
GGCTCAAAGATCGACACTTCATGGCATGATGGACGTGCCACTTTCTATGGTGAC
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ATCTACTATGATATTATAGAATTCATCATTGCTTGTTCATTGACAGAATATT

AAGTATTCATCTATCTCTATACATACCAGGAAGTTGTCATAGTAAGAAATTGACA
TGCAACAGTTTTTTGTATTCTTTCAAGAAAGCAACTATTAAGGAAAATTGTTTGT
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TTTTAATTTTTAAAATAAAAAAGATTTATGATATTACATGAAATGGAATTCATACC
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AGGAGCTTGTGGATATGGCAATCTATTCCACCAGGGTTATGGCCTAGCAACAGCA
GCACTAAGCACAGCATTGTTCAACAACGGTGAAGCTTGTGGAGCATGTTTTGAGA
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AAATAACAGCTACAACTTCTGCCCTCCAACTACACAAAACACAAGACATTTG
GTGCAATCCACCCCAACGCCATTTTGATCTATCTCTCTACATGTTACCAAATGG
CTCCTTACAGGGCTGGGGTCATTCCCTGTTTCGCTACCGTAGAACACGTTGCCATAA
ACTAGGAGGCATACGGTTTGAGTTGAAAGGGAATCCATATTGGCTTCTTGTTTTG
CCCTACAATGTTGGTGGTGGTGGTGACGTTGTTGACCTTCAGATTAAAGGCTCTTC
TACTGGCCGTTGGCTTCCAATGAAAAGAAATTGGGGCCAAAATTGGGAAGCTGA
CAGTTATTTGGTTGGGCAGAGTTTGTCTTTTAGAGTTACTACTAGTGATTGGAAGA
CTAAAGAGTTTGATAATGTTGTGCCTAGTTCTTGGGAGTTTGGCCAGA ACTTTGTA
GCAAACTATAATTTCTAA