

Supplementary Materials: Cloning a Chymotrypsin-Like 1 (CTRL-1) Protease cDNA from the Jellyfish *Nemopilema nomurai*

Yunwi Heo, Young Chul Kwon, Seong kyeong Bae, Duhyeon Hwang, Hye Ryeon Yang, Indu Choudhary, Hyunyoung Lee, Seungshic Yum, Kyoungsoon Shin, Won Duk Yoon, Changkeun Kang and Euikyung Kim

ATGTTGGCAATACTCATTCTGGTCTGTTTCGTTGGCAGCAGTTGGCCAGC_{GTAAGCACCTTGGTTAATTTGGCTTTGTTGAATAATCATTACAGAGA}
AGCTGTTAAGTATATATTGCATTATATCTAAGTACCAATGAGAATAATACTAAGTCCATCTGTTGTTGATACTGTCTTTTCCAAGTGATACCCATTTACAGATTTTGTGCATCCTTGAGTTTCCCA
GATACTGATGACGGTCATTTTTTTGTCAGTTAAAACTGATGACAGGTATTTGTTGTTGCAAAATACAGCGACTTCTACCTTCCCCAAAATGGTGATCATAGATCTAGGATTATTGAGATGACATACA
AGCATTATATCTCAAGGTAGAAAGAAATAACTGCAGCGACCATTATCATTAGCAAGTAGAGCAATGTAAGCTTCAAGGAACACCCAAACACAAAGCATTATTTCCGGTAATACGCAATATCATCA
TGGCTTCTTCTCGTGTATCCCGTGTCTTGGTCTGCTCAGTTGCGACTAAACATTGTTTCATTACTAGAGCTGCTTGGTCTTAATATCAAATGCAGATTCTGAATACCTCCTAAATATATCACACGGCTTCT
TGCAG**AATGTGGCGTTC**_{CCCGGATA}**CGCGGCTAGTCGGGTCATTGGTGGCAGCACTGCGAGGCC**_{TGGTTCCTGGCC}**TTGGCAA**
GTAGCCATCTACTACGACAACCGTTTTCATTGTGGAGGATCGTTGGTGAACGCCAACTGGGTTGTTACTGCTGCTCATTGCC
TTGATAGAACCAGGATGAGCGGATTCACCATTGTTTTGG_{TGAGTGGACTAATTTGCAATCATGTGTCATGGCTTCATATTAGATATCCAAGCAACGATGAGTCTTT}
AGTCTCAGCAAACCTCCAGTGGCTATTGGTTAAGGAACITTAGTTTGTGATCTTCTATCATAATCCAAGTTGGTATAGACTCAGCAGTGAGATTCTAATTTATGATCATTCCCTTTCTTAAGATAGA
ACTGGCGGTCCATCCAGTGAGAAATAAACTGTTTGTATGCAACATTAATGCACCTGTAATAAGACAATGGTTTGAATTTCAATGTATTGTTATTGCAAAATACCATGTATTGCTAATTAGATGGGGG
TACCACTGAGTACTATAGATAAGGTTAGAATACCAAGGCTGCACCTTGATACACAGCAGGACTTGTCTTGGACGAACATTGGAGACAGGAAAGAGGGAGAATGGGGGCTATTAAAGCAAATG
TGAAGTACAGAGAGAGAACTTTGTTCAATAAAAGATAGTAGAAAGAAAAATAAAATGAGAGCATTGTATAGTATTGACTTCATTTCTCTTTAATAGCTAACATGTACCAACCCCTTTCAAATCCA
ACGAAATGCTTTAAATCTTTTAAAGAATATGATTTTCACTCAAAAATGGGGCTCCTTATACTATACTACCTACAATACTGTTCTTTTTCTCGAGTCCCTCTTGTGAAATTTCAATATTGAC
GAGATGATGTTATCTCTTTA**AG**_{GTGAGCACTACCGACAACAAAAGGAGGGAAGCGAGCAATATTTCAAAGCCAAGAGGGGCATTACCG}
CATCCTCAGTACAACAAACAGCCGCTGGACAGCGACATCGCGCTCATCAAGCTGGATAGGCCAGCTCAGTTCAACAACCGA
GTGCAGCCAGTCTGTCTGCCATCCACCTACAACAAGCCCCTTCCGGCCACCACCTGCTTCATCACTG_{GTAAGGCGTGGCCAGATCCACG}
CTTTTACTCGAGAAGCGTATTTGAAAGAATTAAGTGTCTCTGAGACAATAAACAATGACACTAGTTGAAATCCATGGGGCTTATGGTTATCCTAAAAATGAGCATTAACTTTGTTGGAGTCTAG
TGGCGATGTAGACCAGACTCAAGGGAGATTTGTCTCTATCCTTATATGAAAATTTGGTACTGTGCTTATCACTGTTAGAGATAACAAGGAAATATGCCTCTCCTTTAGCGTCTTAAAGGAG
TCAGAAGAAAAAATTCCTGCTGGCAATCATTGAATACTTCTAGCATTAAAGCAATGGATTACTTCTGTATTCT**AG**_{GTTGGGGAAAGACATCACATCCCGGGTCTCAG}
CTTACGTTCTCAACAATCACCCTCCGGTCTGTTGACAACAGAAGATGCCACGCCCTGAACAACCAAACTCGAATCG
GCATCGCAGGCAACATGCTCTGCGCTGGTTTCGGGCCTAACGACATCCGAAGTGGTTGCCATGGAGATAGTGGTGGCCCAT
TCGTATGCAAAAGTGGCAGCCAATGGTCCCTCCAGGGAGCAGTGAGCTGGGGCTCCGGACGTTGCAACACGCGAGATGCA
TACTGTATTGCAAGGGTCACAACTTCGTGAGTTGGATCAACAAGTACATCAAATACTAG

Figure S1. *Nemopilema nomurai* chymotrypsin-like 1 (CTRL-1) genomic DNA sequence (GenBank accession No. KU_668697), composed of 2434 bp.