

Supplementary Materials: Stomach Chitinase from Japanese Sardine *Sardinops melanostictus*: Purification, Characterization, and Molecular Cloning of Chitinase Isozymes with a Long Linker

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Table S1. Primers used for PCR, RACE, and tissue expression. ¹ Degenerate primers; ² 5'-phosphorylated primers.

Primer	Sequence (5'→3')	Purpose
Chi-a 1	TGYTAYTTYACNAAATGG	Primary PCR
Chi-b 1	GAYATHGAYTGCGARTAYCC	Primary PCR
Chi-c 1	TTCCARTARTTCATNGCRTARTC	Primary PCR
Chi-d 1	CCNCCNACNATHAYATGCC	Primary PCR
Chi-e 1	GTNTYYTNGARGARATGMG	Primary PCR
Chi-f 1	TCYTGNTRTAYTTNCCNGG	Primary PCR
<i>SmeChi-1</i> -1	CAGGGAGACCTCATCTACTTCAAC	3'RACE
<i>SmeChi-2</i> -1	AATATCCTGCCAACAGAGGGAGC	3'RACE
3R	CTGTGAATGCGACTACGAT	3'RACE
<i>SmeChi-1</i> -2 2	GTTGAAGTAGATGAGGTCTCCCTG	5'RACE
<i>SmeChi-1</i> -3	GACCTACGACTTCCATGGCTCCT	5'RACE
<i>SmeChi-1</i> -4	TTGCCGAGCTCAGCGATCTG	5'RACE
<i>SmeChi-1</i> -5	AGCACGTCACTGGTGAGAACA	5'RACE
<i>SmeChi-1</i> -6	TCCAGAGTCGATGGTGCCCTTTC	5'RACE
<i>SmeChi-2</i> -2 2	AGTCGATGTCCAGACCGTCAAAC	5'RACE
<i>SmeChi-2</i> -3	GGAACCTTGGCTCTTCAGGATTC	5'RACE
<i>SmeChi-2</i> -4	GGTCTTCAGATTTCCGTTCTGG	5'RACE
<i>SmeChi-2</i> -5	AACGCTCGCCAGACCTTCATCA	5'RACE
<i>SmeChi-2</i> -6	GAGTTTGCTGAACTCGCTGTAG	5'RACE
<i>SmeChi-1</i> -7	ACCATGGGCAAGTTTCTCCTTTC	Full-length ORF
<i>SmeChi-1</i> -8	GAATGATCTAAAAGGATTTGCTCTATGC	Full-length ORF
<i>SmeChi-2</i> -7	TACGAGGCAACCATGGGTAAAGTACT	Full-length ORF
<i>SmeChi-2</i> -8	GGAATAATTAATCTAGCACAGCCTAA	Full-length ORF
β-actin-a	GATCATGTTCGAGACCTTCAACAC	Tissue expression
β-actin-b	TCCAATCCAGACAGAGTATTTAGC	Tissue expression
<i>SmeChi-1</i> -a	AGCTGCTGTCTGGCTTCGAGGCTGA	Tissue expression
<i>SmeChi-1</i> -b	TTAGCGGTGGCACCAACTCCGGTGTT	Tissue expression
<i>SmeChi-2</i> -a	AAATGAGGGCTGCCTTTGAGAAGGAGG	Tissue expression
<i>SmeChi-2</i> -b	TTGCGTGTACTTCCCAGGAGTTCCA	Tissue expression

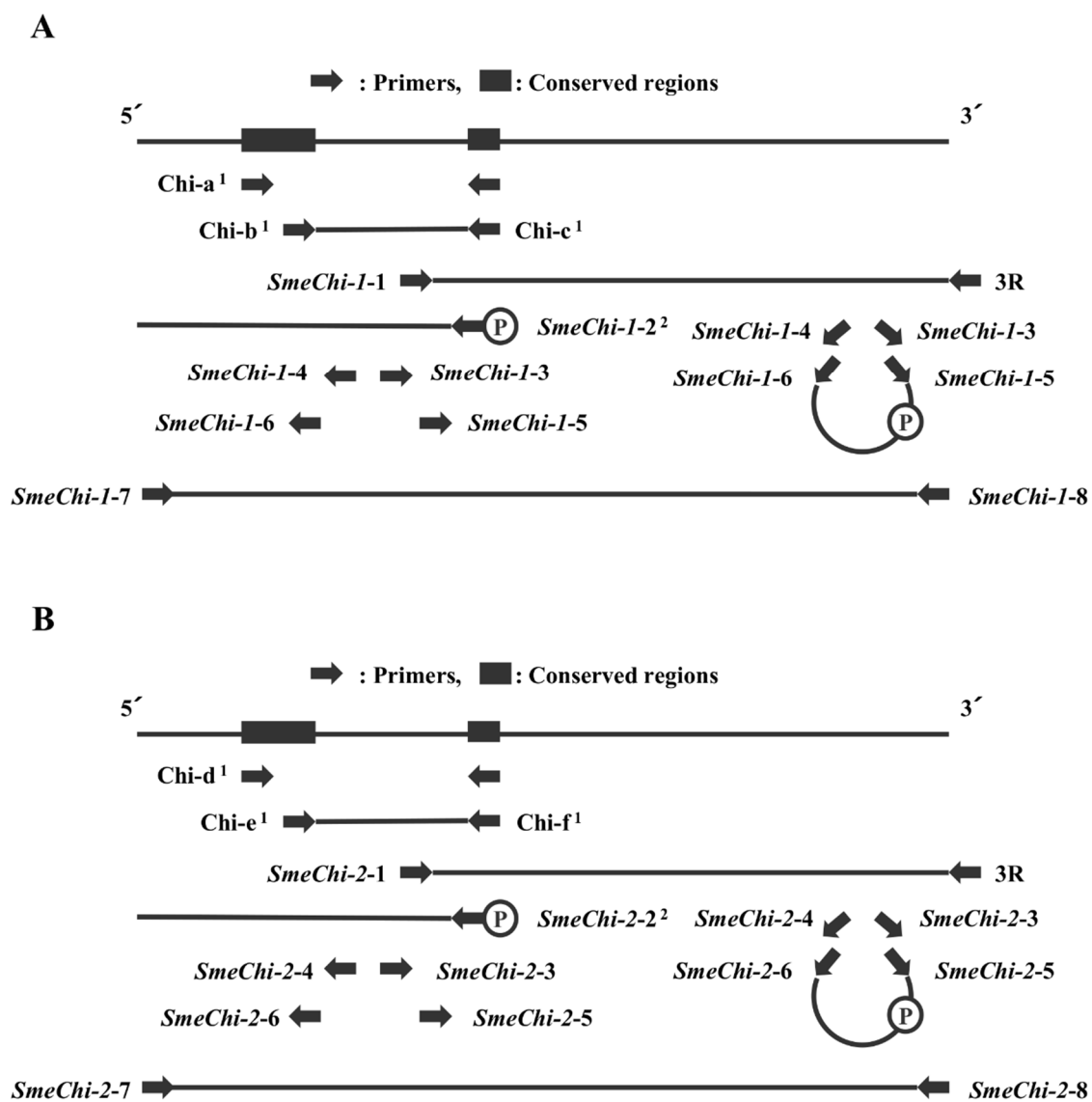


Figure S1. The position of the primers used in this study. A, *SmeChi-1*. B, *SmeChi-2*.