

Table S1. Amino acid homology of OsCHIs and *bona fide* CHIs. Value represent the percentage of amino acid identity.

[illegible]

Table S2. Primer sequences and PCR conditions for *OsCHI* cloning. ¹

Gene	Primer sequence	Annealing Temp. (°C)
OsCHI1 (LOC_Os02g21520)	5'-GGCATATGAGCGCGGTGCCCCGTCGT-3' 5'-CCGAATTCTCACTTTGTAAGAATAGCCT-3'	58
OsCHI2 (LOC_Os02g53810)	5'-CCGCTAGCATGAAACCGGACTGGTCAAT-3' 5'-CCGAATTCTCAATAACATCTTCTAATGA-3'	58
OsCHI3 (LOC_Os03g60509)	5'-GGCATATGGCGGCCGTGTCTCGGAGGT-3' 5'-CCGAATTCTCACGCGGACACCGGCGC-3'	56
OsCHI4 (LOC_Os06g10210)	5'-GGCATATGAAGGCCGATCGGTAAAT-3' 5'-CCGAATTCTCATGGACAGTGATCCAAGT-3'	58
OsCHI5 (LOC_Os07g38390)	5'-GGCATATGGTCTCCCTCCGCTTCCC-3' 5'-CCGAATTCTCAGTTCTTAAGAATAGAAG-3'	58
OsCHI6 (LOC_Os11g02440)	5'-GGCATATGTACTGTGCAGTGGGCAC-3' 5'-CCGGATCCTCATGCAGAGAGCAGTGCTG-3'	58
OsCHI7 (LOC_Os12g02370)	5'-GGCATATGGCCACCGTGGAGGTGGA-3' 5'-CCGGATCCTCATGCAGAGAGCAGTGCTG-3'	58

¹ Restriction sites are underlined.

Table S3. Primer sequences and PCR conditions for quantitative real-time PCR analysis.

Gene	Primer sequence	Annealing Temp. (°C)
OsCHI1 (LOC_Os02g21520)	5'- TGCTGAGGAAGAACAGAGCC -3' 5'- TTCGAGGGTTCAAGCCAAGT -3'	58
OsCHI2 (LOC_Os02g53810)	5'- CCAACTTCAGAGGTGCTCGT -3' 5'- CTTTGGGCTCAGCCTTTTGC -3'	58
OsCHI3 (LOC_Os03g60509)	5'- GAGAAGTGGAAATGCCGTGC -3' 5'- CCGATGGCCGTGAACTTGAT -3'	58
OsCHI4 (LOC_Os06g10210)	5'- GGCAGACAAATTGGTGCTGTTA -3' 5'- AGTGATCCAAGTGAAGCGGG -3'	58
OsCHI5 (LOC_Os07g38390)	5'- GTGTATGCGGATGACCACGA -3' 5'- CATCCGTATGTCACGCTCCA -3'	58
OsCHI6 (LOC_Os11g02440)	5'- ATGTACTGTGCAGTGGGCA -3' 5'- GTCTGTGATGCCATTAGCAAGC -3'	58
OsCHI7 (LOC_Os12g02370)	5'- TGGACAAGTACGAGGATGAGG -3' 5'- TGCAATTCCAGGGGTGTTAGG -3'	58
OsUBQ5 (LOC_Os01g22490)	5'- CACCCTCGCCGACTACAACA-3' 5'- CTTGGTGTACGTCTTCTTCTTGC -3'	58
OsUBQ1 (LOC_Os03g13170)	5'- TGATCTGCCGCAAATGCTAT -3' 5'- GATTAAACCAGTCCATGAACC -3'	58