

**Supplement Table I** Tryptic digested peptide sequences identified by MS

mass	position	peptide sequence
2891.4977	139-168	SPPPPSPPPPSPSPPPPSPP PPSPSPPPPK
2268.0561	111-133	DGGGCQSKPGAQSLEGY GTS LQK
1777.9112	53-69	TIQGQSATTALTMEVAR
1283.6156	44-52	IFOLIUMMK
1236.6809	169-178	IHFMFISTIK
1230.5538	74-83	HFFDYGSTTR
1176.5625	199-206	FFFWPNYR
1114.4656	180-191	CGLGSEFCGGGK
1036.4793	99-107	EISESNETK
723.2912	90-98	CGMGGGGGK
616.3664	192-196	NELIK
575.3035	134-138	EIEGK
507.2344	84-87	NSMR

## Supplement Table II Primer sequences used in this study

Primers	Sequence
Degenerated primers for PCR cloning	
5-F1	atg aar can ath car ggn car wsn
5-F2	gcn can can gcn ytn can atg gar
5-F3	gtn gcn mgn gtn car gcn trr
3-R1	aar aay gar ytn ath aar
3-R2	tty aar tty tty tty tgg
3-R3	ccn aay tay mgn ytn
Sequence primers used for cDNA cloning	
5-F4	atg aaa acc atc caa ggc
3-R4	aag tcg ata att ggg cca

**Supplement Table III** The activity of CBL  
in various metal ions

<b>Metal ions</b>	<b>Residual activity (%)</b>
CaCl <sub>2</sub>	116±7
CuCl <sub>2</sub>	72±2
FeCl <sub>3</sub>	101±5.5
MgCl <sub>2</sub>	95±2.5
MnCl <sub>2</sub>	96±1.2
ZnCl <sub>2</sub>	98±0.6
EDTA	85±2.6

**Supplement Table IV** *In vitro* inhibition effect of CBL on fungus

<b>Organism</b>	<b>Diameter of zone of inhibition (mm)</b>		
	Crude extract (0.5 mg/mL)	Purified natural CBL (0.5 mg/mL)	Recombinant CBL (0.5 mg/mL)
<i>C. gloeosporioides</i>	0	2	8
<i>R. solani</i>	6	10	12

The boiled CBL was used as negative control.