Table S1. Effect of Heat, pH, and Hydrolytic Enzyme Treatment on the Antifungal Activity from B154 Strain

| Treatments | Antifungal activity [a] (AU/mL) |
|---|---|
| None (control) | 24.17±1.0 a |
| Heat [b] | |
| 40 °C | 23.83±1.5 a |
| 50 °C | 23.63±1.6 a |
| 60 °C | 23.48±1.6 a |
| 70 °C | 23.36±1.8 a |
| 80 °C | 23.14±1.5 a |
| 90 °C | 22.78±0.7 a |
| 100 °C | 8.98±0.7 b |
| Autoclaving 121 °C | 8.54±0.8 b |
| pH | |
| 2 | 10.76±1.2 bc |
| 3 | 10.82±0.9bc |
| 4 | 23.55±1.6 a |
| 5 | 23.55±1.4 a |
| 6 | 24.00±2.0 a |
| 7 | 23.91±1.7 a |
| 8 | 23.77±1.7 a |
| 9 | 23.87±2.0 a |
| 10 | 22.95±1.8 a |
| 11 | 11.26±1.1 bc |
| 12 | 3.23±0.3 bd |
| Enzyme | |
| None (control) | 6.05±0.6 a |
| Peptide/enzyme 1:10 (wt/wt) | |
| Proteinase K | 5.99±0.9 a |
| Pepsin | 5.86±0.8 a |

| | |
|---|---|
| Papain | 6.11±0.9 a |
| Trypsinase | 5.86±0.7 a |
| Peptide/enzyme 1:5 (wt/wt) | |
| Proteinase K | 5.74±0.9 a |
| Pepsin | 5.69±0.7 a |
| Papain | 5.97±0.5 a |
| Trypsinase | 5.73±0.9 a |

[a] Activity is expressed as activity units (AU) against *N. sitophila*. [b] Samples were treated at 121 °C for 20 min, and for 30 min at other temperatures. Data are expressed as the mean ± SD, n=9.