



**Figure S1**

Test of AMHA in leaves of three different plants. (A) UPLC-MS chromatograms in positive ion mode of the extracts from 21-day-old leaves of *Arabidopsis* (A), leaves of two-leaf stage seedlings of winter wheat (B) and rice (C). Results represent three independent biological replicates.

**Table S1.**

Effect of AMHA on the growth of different fungal pathogens on PDA medium.

Fungus species	Diameter of colony (mm)			
	Mock (0)	0.5 mM AMHA	1 mM AMHA	2 mM AMHA
<i>Magnaporthe oryzae</i>	64.15±0.89 a	62.84±0.38 a	63.36±0.48 a	61.04±0.11 a
<i>Rhizoctonia solani</i>	68.06±0.36 a	68.01±0.45 a	67.57±0.48 a	67.83±0.03 a
<i>Fusarium moniliforme</i>	65.41±0.22 a	63.65±0.51 a	63.30±0.39 a	61.98±0.23 a
<i>Fusarium graminearum</i>	73.12±0.37 a	69.35±0.16 a	66.69±0.40 a	63.62±0.30 b
<i>Rhizoctonia cerealis</i>	56.46±0.83 a	56.23±0.40 a	55.62±0.27 a	51.08±0.81 a
<i>Botrytis cinerea</i>	68.71±0.13 a	69.06±0.39 a	68.65±0.31 a	68.07±0.34 a
<i>Sclerotinia sclerotiorum</i>	62.61±0.38 a	63.59±0.40 a	64.45±0.34 a	62.58±0.87 a