

## SUPPLEMENTARY MATERIAL

**Table S1.** Percentage inhibition of growth in phytopathogenic fungi *B. cinerea* and *C. acutatum* subsequent to co-cultivation with ginger endophytic bacteria in LB medium after 7 days of incubation at 25°C.

Isolates	Identification	Inhibition of <i>B. cinerea</i> B05.10 (%)	Inhibition of <i>C. acutatum</i> IMI34849 (%)
J2	<i>Lelliottia amnigena</i>	96.73 ± 0.09	91.85 ± 0.45
J11		97.14 ± 0.44	90.13 ± 1.59
J12		97.40 ± 0.07	87.59 ± 0.31
J21		96.33 ± 1.38	73.81 ± 0.91
J29		97.17 ± 0.21	95.31 ± 0.49
J23	<i>Lysinibacillus capsici</i>	96.80 ± 0.17	91.10 ± 0.86
J24		96.13 ± 0.32	87.37 ± 0.60
J26		96.96 ± 0.55	90.50 ± 0.27
J22	<i>Lysinibacillus macroides</i>	97.25 ± 0.43	92.19 ± 0.17
J25		97.11 ± 0.38	92.82 ± 0.89
J15	<i>Kocuria polaris</i>	96.58 ± 0.29	75.05 ± 0.18
J17		95.98 ± 1.20	88.01 ± 1.59
J19		96.46 ± 0.50	90.21 ± 1.52
J16	<i>Agrococcus citreus</i>	97.08 ± 0.73	87.67 ± 0.97
J28		97.26 ± 0.56	91.28 ± 0.75
J14	<i>Agrobacterium tumefaciens</i>	96.86 ± 0.84	91.52 ± 1.04
J20	<i>Zymobacter palmae</i>	95.22 ± 0.80	83.17 ± 0.60
J30	<i>Acinetobacter schindleri</i>	94.13 ± 1.66	91.85 ± 0.45
J5	<i>Mycolicibacterium</i> sp.	96.60 ± 0.75	90.13 ± 1.59

Values are expressed as mean ± standard deviation of triplicate readings.

**Table S2.** Quantification of indole acetic acid (IAA,  $\mu\text{g/mL}$ ) synthesized by the isolates after culturing each bacterial strain on King-B medium in the presence and absence of the amino acid tryptophan (Trp). Incubation occurred for 48 hours at 25°C with continuous shaking.

Isolate	Identification	[IAA] with Trp	[IAA] without Trp
J2	<i>Lelliottia amnigena</i>	$4.02 \pm 0.09$	$2.51 \pm 0.06$
J11		$1.39 \pm 0.14$	$0.17 \pm 0.06$
J12		$3.09 \pm 0.12$	$0.17 \pm 0.06$
J21		$2.33 \pm 0.18$	$0.81 \pm 0.06$
J29		$4.60 \pm 0.20$	$0.00 \pm 0.00$
J23	<i>Lysinibacillus capsici</i>	$4.56 \pm 0.22$	$3.13 \pm 0.14$
J24		$3.98 \pm 0.35$	$1.24 \pm 0.16$
J26		$2.22 \pm 0.13$	$2.93 \pm 0.29$
J22	<i>Lysinibacillus macroides</i>	$0.77 \pm 0.06$	$0.13 \pm 0.02$
J25		$3.42 \pm 0.08$	$2.51 \pm 0.04$
J15	<i>Kocuria polaris</i>	$2.31 \pm 0.17$	$0.00 \pm 0.00$
J17		$2.90 \pm 0.14$	$1.47 \pm 0.09$
J19		$1.49 \pm 0.14$	$0.61 \pm 0.09$
J16	<i>Agrococcus citreus</i>	$4.54 \pm 0.31$	$4.54 \pm 0.31$
J28		$0.81 \pm 0.09$	$0.81 \pm 0.09$
J14	<i>Agrobacterium tumefaciens</i>	$2.09 \pm 0.08$	$2.09 \pm 0.08$
J20	<i>Zymobacter palmae</i>	$1.26 \pm 0.10$	$1.26 \pm 0.10$
J30	<i>Acinetobacter schindleri</i>	$0.07 \pm 0.01$	$0.00 \pm 0.00$
J5	<i>Mycolicibacterium</i> sp.	$1.04 \pm 0.06$	$1.04 \pm 0.06$

Values are expressed as mean  $\pm$  standard deviation of triplicate readings.