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Endophytic bacteria with plant growth promoting and biocontrol abilities

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Endophytic bacteria with plant growth promoting and biocontrol abilities

Natalia V. Malfanova

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To *Gerben* and *Sabina*

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List of abbreviations

ABA	abscisic acid
ACC	1-aminocyclopropane-1-carboxylate
AFM	antifungal metabolite
AHL	*N*-acyl homoserine lactone
AMF	arbuscular mycorrhizal fungi
BCA	biological control agent
BNF	biological nitrogen fixation
c-LP	cyclic lipopeptide
CLSM	confocal laser scanning microscopy
CNN	competition for nutrients and niches
DMDS	dimethyl disulfide
EPS	exopolysaccharide
ET	ethylene
FA	fusaric acid
FAO	food and agriculture organization
FISH	fluorescent *in situ* hybridization
Forl	*Fusarium oxysporum* f.sp. *radicis-lycopersici*
GB	gibberellin
GFP	green fluorescent protein
IAA	indole-3-acetic acid
ISR	induced systemic resistance
LC-MS	liquid chromatography mass spectrometry
LCO	lipochitooligosaccharide
LPS	lipopolysaccharide
MHB	mycorrhiza helper bacteria
P&P	predation and parasitism
PCN	phenazine-1-carboxamide
PGP	plant growth promotion
Phl	2,4-diacetyl phloroglucinol
QS	quorum sensing
ROS	reactive oxygen species
SL	strigolactone
TFRR	tomato foot and root rot

TLC	thin layer chromatography
TTSS	type three secretion system
VOC	volatile organic compound