

**Supplementary Table S1.** Antagonistic and plant growth promoting traits in rhizosphere strains isolated from various plant roots.

Strain ID/ Characteristic	RS-01	RS-06	RS-05	RS-06	RS-09	RS-10	RS-17	RS-34	RS-49	RS-71	RS-94	RS-96
Plant Rhizosphere	Peanut	Peanut	Peanut	<i>C.dactylon</i>	<i>C.dactylon</i>	<i>C.dactylon</i>	Maize	Grazing grass consortium	Grazing grass consortium	Grapes	Wheat	Wheat
<i>E. coli</i>	–	–	–	+	+	+	+	+	–	+	+	+
<i>S. aureus</i>	+	+	+	–	+	+	+	+	+	+	+	–
<i>S. pneumoniae</i>	+	+	–	–	+	+	+	+	+	–	+	–
<i>S. typhimurium</i>	–	–	–	+	–	+	–	–	–	–	+	–
<i>L. monocytogenes</i>	+	–	+	+	–	+	+	+	+	–	–	–
<i>P. syringae</i>	–	–	–	+	+	+	+	+	–	–	+	–
<i>K. pneumoniae</i>	–	–	–	–	+	+	–	–	+	–	–	–
<i>P. aeruginosa</i>	–	+	–	+	–	+	–	–	–	–	–	+
<i>Siderophore</i>	ND	ND	+	+	–	+	ND	+	ND	ND	+	ND
<i>Phosphate</i>	ND	ND	–	+	–	+	ND	+	ND	ND	–	ND
<i>Protease</i>	–	+	+	+	+	+	+	+	–	–	–	ND
<i>cellulase</i>	ND	–	–	–	+	+	–	–	–	ND	–	ND
<i>Biofilm</i>	ND	ND	ND	+	ND	+	ND	+	ND	ND	ND	ND