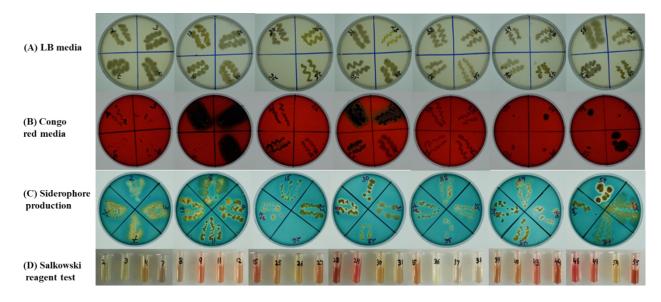
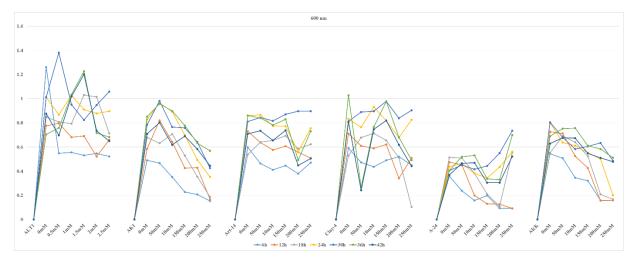
Supplementary Materials

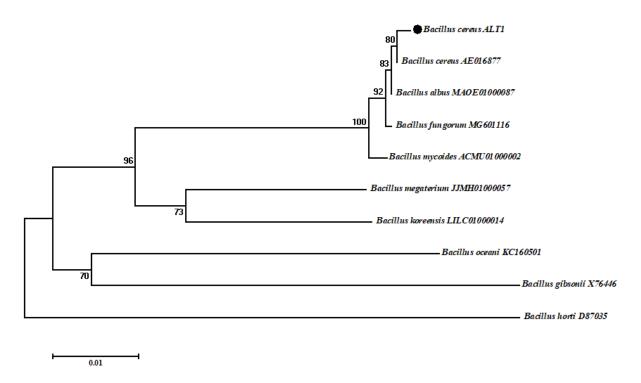
Supplementary Figure 1. Bacterial isolates assessed for beneficial role in plant growth-promoting activities. (A) LB media plates; (B) exopolysaccharide (EPS) activity on Congo red medium; (C) chromeazurol "S" agar plates for siderophore production; (D) Salkowski reagent assay for IAA production.



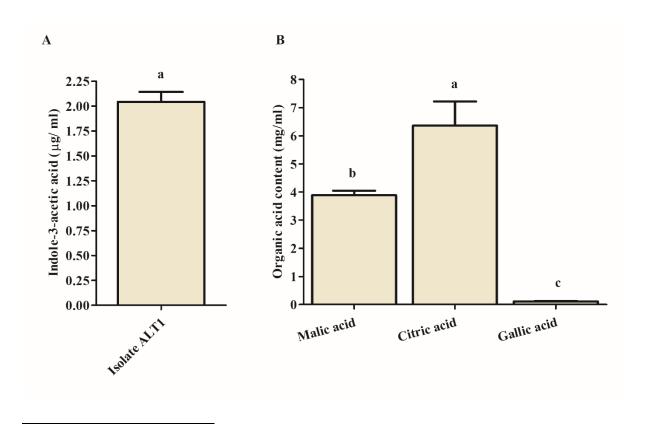
Supplementary Figure 2. Growth of plant growth-promoting rhizospheric (PGPR) bacteria showing multiple traits. PGPR bacteria were grown on LB media supplemented with 0, 0.5, 1, 1.5, 2, and 2.5 mM Cd for 42 h and the growth was examined using spectrophotometer at 600 nm. Each data point is the mean of three replication.



Supplementary Figure 3. Phylogenetic tree of ALT1, which was constructed using 16S rRNA sequences by neighbor joining (NJ) and maximum-likelihood methods.



Supplementary Figure 4. Quantification of IAA and organic acids produced by the isolate ALT1. (A) GC–MS–SIM analysis of IAA content in the culture broth of isolate ALT1 and (B) organic acid quantified by HPLC relative to their respective standards. Each data point is the mean of three replications and error bars represent standard errors. The bars with different letters are significantly different from each other as evaluated by Duncan's multiple range test.



 $\textbf{Supplementary Table 1.} \ \ \text{GC-MS-SIM} \ \ \text{conditions used for analysis and quantification of the ABA}.$

Equipment	Hewlett-Packard 6890, 5973N Mass Selective						
	Detector						
Column	HP-1 capillary column (30m×0.25mm i.d. 0.25μm						
	film thickness) (J and W Scientific Co., Folsom, CA,						
	USA)						
Carrier gas	He (40 mL/min.); head pressure of 30 kPa						
Source temp.	250 °C						
Oven	ABA : 60 °C (1min.) \rightarrow 15 °C/min. \rightarrow 200 °C						
conditions	\rightarrow 5 °C/min. \rightarrow 250 °C \rightarrow 10 °C /min \rightarrow 280 °C						
Injector temp.	200 °C						
Ionizina	70 ev						
Ionizing	70 ev						
voltage							

Supplementary Table 2. HPLC conditions used for analysis and quantification of the SA.

Equipment	Shimadzu LC-10
Column Wavelength Detector	HP hypersil ODS (particle size 5µm, pore size 120Å) Excitation 305 nm, Emission 365 nm RF-10Axl (fluorescence detector)
Solvent A	100% MeOH
Solvent B	100% water in 0.5% acetic acid
Flow rate	1.0 mL/mint

Supplementary Table 3. Description of plant species and isolates of rhizospheric bacteria together with their number having individual or multiple plant growth-promoting characteristics.

Plant Name	No. of isolates	Isolates having individual plant growth-promoting characteristics			Isolates with multiple plant
		Indol acetic acid production	Siderophore	EPS production	growth promoting characteristics
Artemisia princeps	22	2	4	6	3
Chenopodium ficifolium	6	3	4	2	0
Oenothera biennis	16	2	1	2	1
Echinochloa crus-galli	12	7	2	3	4