Supplementary Table S3 Copy numbers of plant growth promoting traits associated genes in the genome of V4 strain and other strains

Promotion mechanism	Gene	V4	EA_18B1	EP_B64	ER_BY21311	ET_Et1/99	HS_Z67
IAA synthesis	ipdC	1	0	1	1	1	0
	dhaS	2	1	1	1	0	1
ACC deaminase	dcyD	1	1	1	1	1	1
Nitrogen-fixation	ntrB	1	0	1	1	1	1
	ntrC	1	1	1	1	1	1
P-solubilization	gcd	1	1	1	1	1	0
	pqqE	1	1	1	1	1	0
	pstA	1	1	1	1	1	1
	pstA1	1	0	1	1	1	0
	pitA	2	2	2	1	1	1
	phnC	1	1	1	1	0	1
	phnD2	1	1	1	1	0	1
	phnL	1	0	1	1	0	0
	phnK	1	0	1	1	0	0
	appA	1	1	1	1	0	0
	agp	1	1	1	1	1	0
	phoP	1	1	1	1	1	0
	phoR	1	1	1	1	1	1
Siderophores	iucC	1	1	0	0	1	0
	alcA	1	1	0	0	1	1
	ddc	1	1	0	0	1	0
	mdfA	1	1	1	1	1	0
	znuA	1	1	1	1	1	0
	znuC	1	1	1	1	1	0
	hexR	1	0	1	1	0	1
	pykA	1	0	1	1	1	0
	lpxM	1	0	1	1	1	0
	mepM	1	1	1	1	1	1
	fhuA	2	2	2	3	1	2
	fhuE	1	1	1	0	0	0
	fepA	1	0	0	0	1	1
	tonB	1	1	1	1	1	0
	fepB	1	0	1	1	1	0
	fhuB	2	1	1	2	2	0
	fhuC	1	0	1	1	1	0
	fhuD	2	1	1	1	1	0
	fepC	1	0	2	1	1	0
	fepD	1	0	1	1	0	0
others							
5-Aminolevulinic acid（5-ALA）	hemA	1	1	1	1	1	1
spermidine synthase	speE	1	1	1	1	1	0
Extracellular polysaccharide	galE	2	1	1	1	1	2
Heavy metal resistance	gstA	2	2	2	2	1	1
	gstB	1	1	1	1	0	1
	gst3	1	0	0	1	0	1
	cysC	1	0	1	1	1	0
	cysD	1	0	1	1	1	1
	cysH	1	0	1	1	1	1
	cysK	1	1	1	1	1	0
	zntA	1	0	1	1	1	1
	copA	1	1	1	1	1	1
	mtnA	1	1	1	1	1	0
	mtnB	1	0	1	1	1	0
	mtnC	1	1	1	1	1	0
	mtnD	1	1	1	1	1	0
	mtnK	1	1	1	1	1	0
	mtnN	1	1	1	1	1	1

EA_18B1: *Erwinia aphidicola* 18B1, EP_B64: *Erwinia persicina* B64, ER_BY21311: *Erwinia rhapontici* BY21311, ET_Et1/99: *Erwinia tasmaniensis* Et1/99, HS_Z67: *Herbaspirillum seropedicae* Z67