

Supplementary

S2: Complete list of all identified Open reading frames (ORFs) for each of the 10 annotated plasmids. ND: not determined

Contig (circular element)	# identified ORFs	# of hypothetical al	Plasmid/Phage/Transposons related proteins	Potential accessory proteins
pWWcol	32	29	ND	Collagen like protein, Primase, VirE
RNODE_1158	26	16	Recombinase, Type IV secretory system Conjugative DNA transfer, TraD/Mobilization protein, MobA/MobL, Putative toxin VapC6, Recombinase x2, ParA, and RepB. Tn3 family transposase	Thermonuclease
pWWtox	25	10	Site-specific integrase, Toxin-antitoxin x2, AbiEii, Nicking enzyme, TraD, MobA/MobL, and RepB.	PEP-CTERM domain, CbiA, DNA (cytosine-5-)methyltransferase, endonuclease, EcoRII
Temperate phage e14	29	5	Recombinase, YmfE, Lit, Integrase, Excisionase-like proteins, LexA repressor, YmfL, Terminase, YmfR, Baseplate J-like protein, YmfQ, Tfp x2 and Tfp x2	mcrA, Isocitrate dehydrogenase, SAM-dependent methyltransferase
pWWvir	15	6	KfrA_N, ParG, ParA, VirD1, Mob, Rep, and Site-specific recombinase	NotI and DNA-cytosine methyltransferase
pWWmer	13	7	Protelomerase. YafQ toxin. RelB antitoxin, Helicase domaine, and DNA primase	merR.
RNODE_1311	8	3	DNaB replicative DNA helicase, Toxin-antitoxin, Recombinase, ParA, and DNA primase.	ND
RNODE_1264	6	1	KfrA_N, MobC, RepB, RepA, and RepC.	ND
RNODE_961	7	5	Replication initiator protein	Integrase
RNODE_1224	3	1	IS481 family transposase	ND