

Supplementary Materials

Ecofriendly Synthesis of Silver Nanoparticles by *Terrabacter humi* sp. nov. and Their Antibacterial Application against Antibiotic-Resistant Pathogens.

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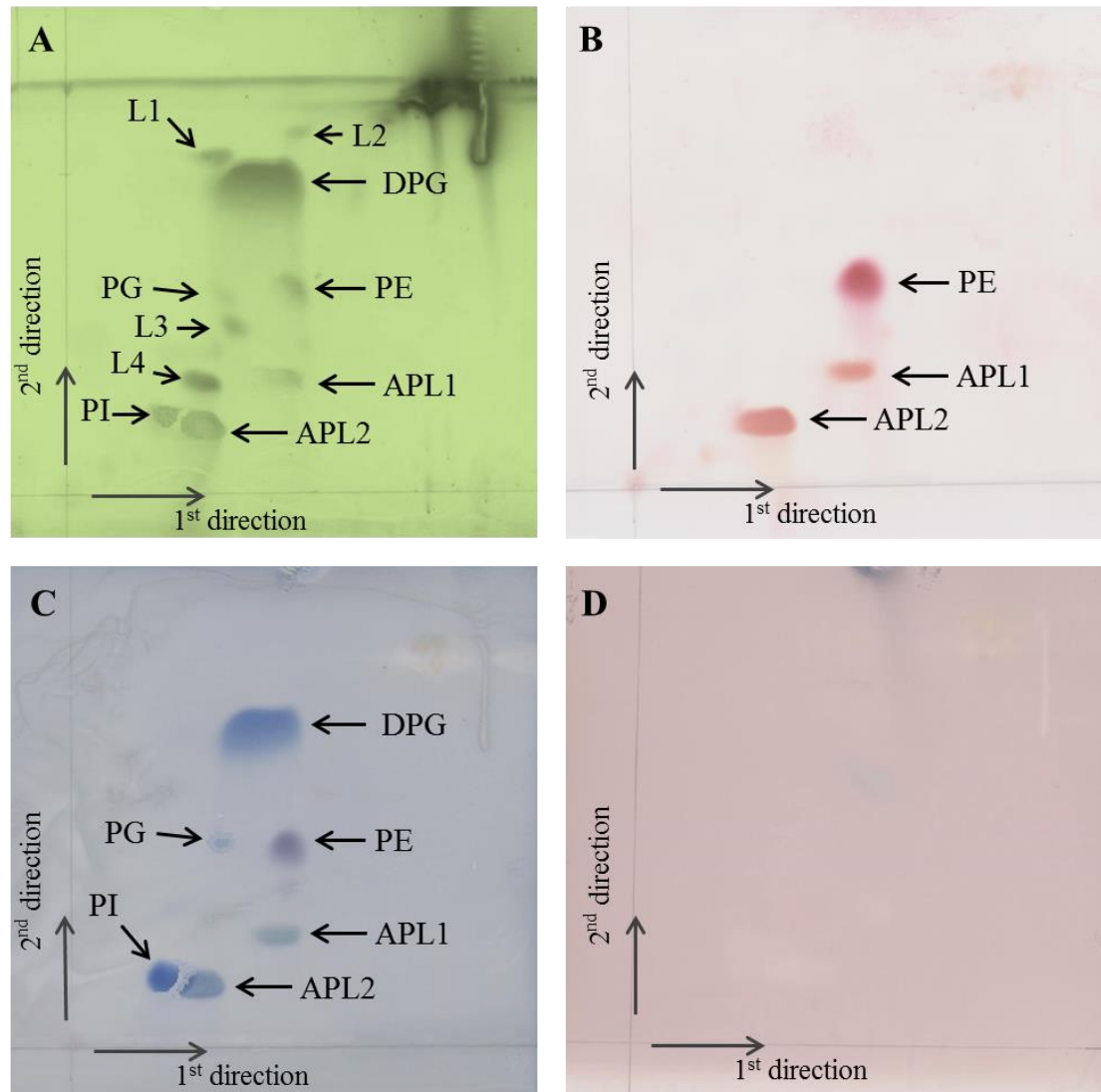
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Supplementary Table S1. dDDH and ANI values between proposed novel species *Terrabacter humi* MAHUQ-38^T and the close type strains of the genus *Ramlibacter*.

Query genome	Reference genome	Formula 1				Formula 2				Formula 3				ANI (%)
		DDH	Model C.I.	Distance	Prob. DDH \geq 70%	DDH	Model C.I.	Distance	Prob. DDH \geq 70%	DDH	Model C.I.	Distance	Prob. DDH \geq 70%	
<i>Terrabacter soli</i> MAHUQ-38 ^T (JACVCU00000000)	<i>T. tumescens</i> JCM 1365 ^T (GCM10009721)	40.30	[36.9 - 43.7%]	0.3899	1.8	27.20	[24.8 - 29.7%]	0.1590	0.03	36.00	[33.1 - 39.1%]	0.4869	0.03	83.71
	<i>T. aerolatus</i> NBRC 106305 ^T (GCA_007991735.1)	38.70	[35.3 - 42.2%]	0.4055	1.23	26.70	[24.4 - 29.2%]	0.1618	0.02	34.80	[31.8 - 37.8%]	0.5017	0.02	83.44



Supplementary Figure S1. Two-dimensional TLC of the polar lipids of *Terrabacter humi* MAHUQ-38^T. (A) Total lipids detectable by spraying with 5% ethanolic molybdophosphoric acid; (B) Aminolipids detected by spraying with 0.2% (w/v) ninhydrin; (C) Phospholipids detected by spraying with molybdenum blue; and (D) Glycolipids were analysed by α naphthol reagent. Abbreviations: DPG, diphosphatidylglycerol; PG, phosphatidylglycerol; PE, phosphatidylethanolamine; PI, phosphatidylinositol; APL1-2, unidentified aminophospholipids; and L1-4, unidentified polar lipids.