



Research article

Assessing DNA extraction methods for metagenomic analysis from crop soil in Thailand

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Supplementary Tables

Table S1 Chemical properties of soil samples in this research

Soil Sample	pH	EC (dS/m)	OM (%)	N (%)
O. sativa	5.07–5.80	0.3–0.04	1.56–2.65	0.11–0.17
Z. mays	5.61–6.11	0.09–0.28	1.18–1.39	0.07–0.08
E. guineensis	3.38–5.84	0.19–1.06	1.36–5.64	0.07–0.29
M. esculenta	5.21–6.06	0.02–0.04	0.36–2.02	0.02–0.14

EC = Electroconductivity; OM = organic matter percentage; N = nitrogen percentage

Table S2 DNA yields for Gupta C and Gupta E protocols, before and after purification

Sample	Gupta C protocol			Gupta E protocol		
	Crude DNA yield (µg/g soil)	Recovery (%)	Purified DNA yield (µg/g soil)	Crude DNA yield (µg/g soil)	Recovery (%)	Purified DNA yield (µg/g soil)
O. sativa	3.04	73.50	2.23	3.41	55.25	1.88
Z. mays	3.63	27.50	1.00	3.90	49.50	1.93
E. guineensis	2.54	22.50	0.57	2.11	49.66	1.05
M. esculenta	1.95	64.00	1.24	2.19	61.16	1.34

Crude DNA yield was calculated based on lowest concentration in the group.

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