

Supplementary information for: Biogas production and microbial communities of mesophilic and thermophilic anaerobic co-digestion of animal manures and food wastes in Costa Rica

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Supplementary Table S1. Preparation of feed mixtures

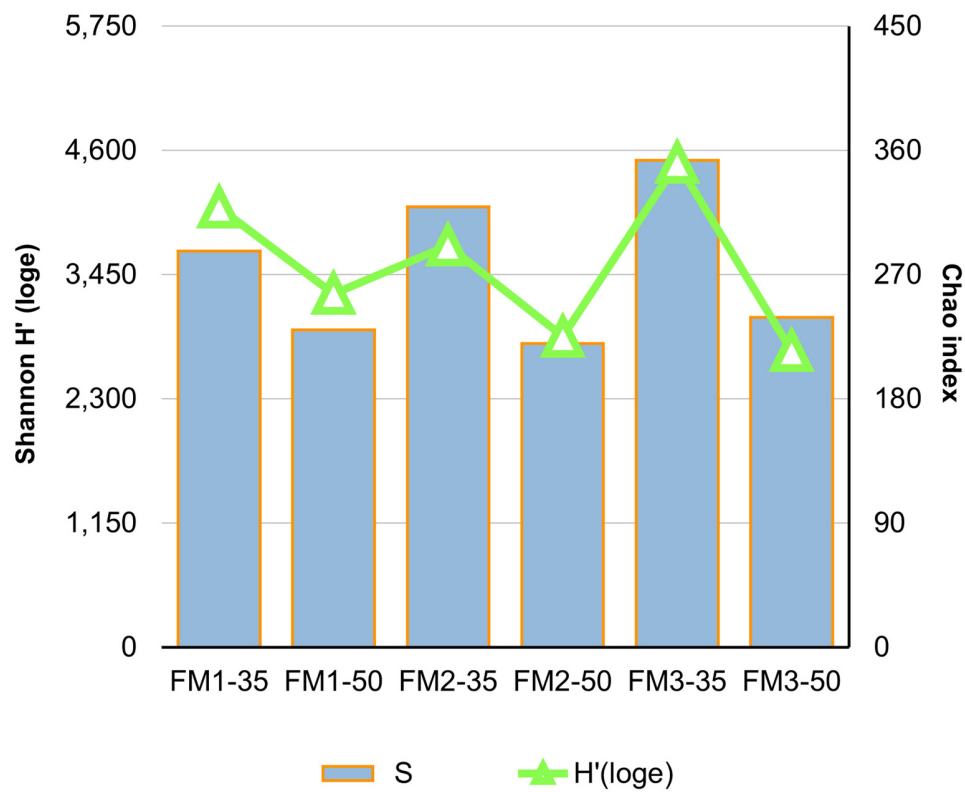
Feed mixture (FM)	Dairy manure (% dry matter)	Chicken litter (% dry matter)	Fruits and vegetables (% dry matter)	Post-consumer food wastes (% dry matter)
FM1	50	50	0	0
FM2	45	45	5	5
FM3	40	40	10	10

Supplementary Table S2. Fiber composition of the feed mixtures.

Feed mixture	C/N ratio	Glucan (%TS)	Xylan (%TS)	Lignin (%TS)	pH*
FM1	12.2	20.03	11.0	17.1	7.34
FM2	13.7	21.7	10.4	17.0	6.28
FM3	14.2	23.5	9.8	17.0	6.00

*Before adjustment to 6.8.

Supplementary Figure S1



SM-Figure S1. Shannon's diversity (H') and Chao index of richness based on 16S rRNA sequencing data of Bacteria and Archaea.

Supplementary Figure S2



SM-Figure S2. Bayesian tree based on 16S rRNA gene sequences showing the position of OTU classified as Euryarchaeota. Bootstrap values based on 10,000,000 replications are shown at branch nodes. *Thermoproteus tenax* was used as outgroup. Bar shows 0.06 substitutions per nucleotide.