

Supporting Information

Identification of parameters needed for optimal anaerobic co-digestion of chicken manure and corn stover

Yilong Yan,^a Ziwen Du,^{*,a} Liqui Zhang,^{*,a} Li Feng,^a Dezhi Sun,^a Yan Dang,^a Dawn E. Holmes,^b and Jessica A. Smith^c

^a Beijing Key Laboratory for Source Control Technology of Water Pollution, Engineering Research Center for Water Pollution Source Control and Eco-remediation, College of Environmental Science & Engineering, Beijing Forestry University, 35 Tsinghua East Road, Beijing 100083, China.

^b Department of Physical and Biological Sciences, Western New England University, 1215 Wilbraham Road, Springfield, Massachusetts 01119, United States

^c Department of Biomolecular Sciences, Central Connecticut State University, 1615 Stanley Street, New Britain, CT 06050, USA

Corresponding author:

E-mail: zhangliqiu@163.com; zhangliqiu@bjfu.edu.cn (L. Zhang).

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Table S1 Characterization of substrates and inoculum.

Parameter	Chicken manure	Corn stover	Inoculum
TS (%) ^a	25.05±0.6	94.4±0.2	9.9±0.1
VS (%) ^a	20.5±0.7	92.5±0.2	5.0±0.2
VS/TS (%)	81.8±0.9	98.0±0.5	50.9±1.8
C (%) ^b	35.5±0.7	43.5±0.8	32.1±0.7
N (%) ^b	3.6±0.5	0.81±0.1	2.8±0.5
C/N	9.9±1.4	53.7±8	11.8±1.4
pH	8.8±0.3	ND	8.2±0.3
Total alkalinity (g	10.2±0.6	ND	8.0±0.6
CaCO ₃ /kg)	8.8±0.6	ND	10.5±0.7
EC (mS/cm)			

ND: not determined. EC: electrical conductivity.

^aBased on wet weight.

^bBased on dry weight

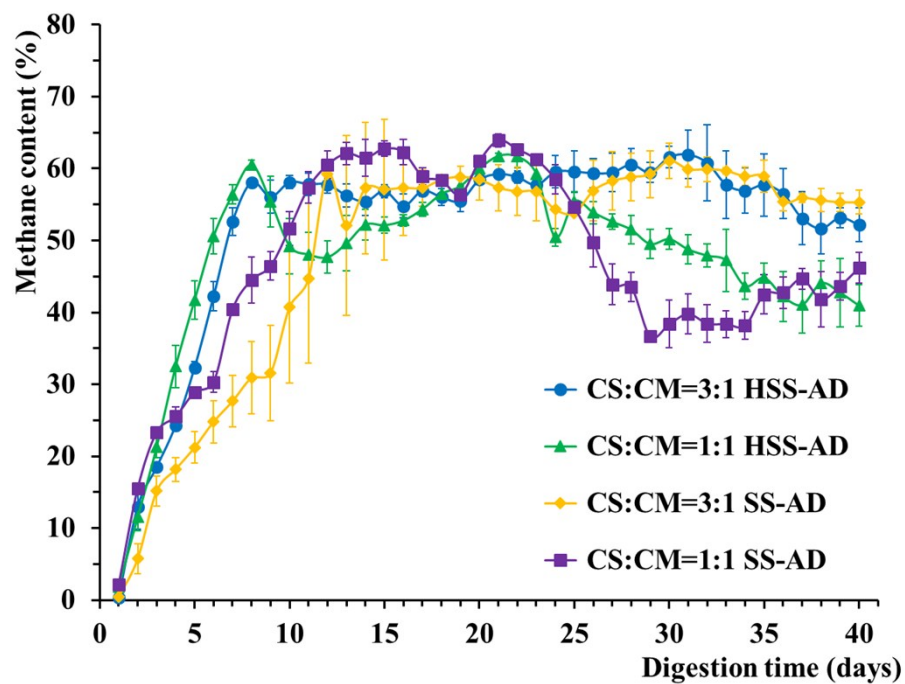


Figure S1 Daily methane content of biogas in digesters containing different mixture ratios and ISCs. Error bars represent standard deviations from triplicate samples.