Front. Agr. Sci. Eng.
https://doi.org/10.15302/J-FASE-2023498
Verso: Front. Agr. Sci. Eng.
Recto: Ranran ZHOU et al. Microbial necromass within aggregates to cropland management
RESEARCH ARTICLE

MICROBIAL NECROMASS WITHIN AGGREGATES STABILIZES PHYSICALLY-PROTECTED C RESPONSE TO CROPLAND MANAGEMENT

Ranran ZHOU, Jing TIAN (✉), Zhengling CUI, Fusuo ZHANG

College of Resources and Environmental Sciences; National Academy of Agriculture Green Development; Key Laboratory of Plant-Soil Interactions (Ministry of Education), China Agricultural University, Beijing 100193, China.

SUPPLEMENTARY MATERIAL

Table S1 Test for publication bias for the response of necromass to cropland management using Egger's regression test and fail-safe analysis with Rosenberg method

Variables	N	Egger' s regression		Fail-safe coefficient
		z	*P*	
TNC	121	–3.04	**0.002**	> 5N+10
BNC	121	–2.18	**0.029**	> 5N+10
FNC	121	–2.48	**0.013**	> 5N+10
FNC/BNC	121	–2.10	**0.036**	> 5N+10
TNC/SOC	113	0.34	0.737	> 5N+10
BNC/SOC	113	–0.43	0.669	**248**
FNC/SOC	113	0.36	0.719	> 5N+10

Note: N is sample size. For Egger's regression test, *P* values > 0.05 indicates the absence of publication bias. For fail-safe analysis, coefficients > 5N+10 indicate the effect sizes of variables are statistically significant. TNC, total necromass C; BNC, bacterial necromass C; FNC, fungal necromass C; SOC, soil organic carbon; FNC/BNC, the ratio of fungal-derived to bacterial-derived necromass C.