

Corrigendum

Quantitative analyses of the abundance and composition of ammonia-oxidizing bacteria and ammonia-oxidizing archaea of a Chinese upland red soil under long-term fertilization practices

Ji-zheng He,^{1*†} Ju-pei Shen,^{1,2†} Li-mei Zhang,^{1†} Yong-guan Zhu,¹ Yuan-ming Zheng,¹ Ming-gang Xu³ and Hongjie Di⁴

¹State Key Laboratory of Urban and Regional Ecology, Research Centre for Eco-environmental Sciences, Chinese Academy of Sciences, Beijing 100085, China.

²Graduate School, Chinese Academy of Sciences, Beijing 100039, China.

³Institute of Soil and Fertilizer, Chinese Academy of Agricultural Sciences, Beijing 100081, China.

⁴Agriculture and Life Sciences Division, PO Box 84, Lincoln University, Canterbury, New Zealand.

In the article 'Quantitative analyses of the abundance and composition of ammonia-oxidizing bacteria and ammonia-oxidizing archaea of a Chinese upland red soil under long-term fertilization practices' (He *et al.*, 2007), some mistakes were found in Table 3. The correct table is on the following page:

Table 3. Primers, probes and PCR conditions used for the real-time PCR.

Target group	Primer and probe	Sequence (5'-3')	Length (bp)	Concentration (nM)	Thermal profile	Reference
AOB	Primer A189	GGHGACTGGGAYTTCTGG	670	100	15 min at 95°C, followed by 40 cycles of 60 s at 94°C, 45 s at 57°C and 45 s at 72°C	Okano <i>et al.</i> (2004)
	Primer amoA-2R' Probe A337	CCTCKGSAAAGCCTTCTTC TTCTACTGGTGGTCRCACT ACCCCATCAACT		100 120		
Bacteria	Primer BACT1369F	CGGTGAATACGTTTCYCGG	172	1000	10 s at 95°C, followed by 35 cycles of 15 s at 95°C, 1 min at 56°C	Suzuki <i>et al.</i> (2000)
	Primer PROK1541R Probe TM1389F	AAGGAGGTGATCCRGCCGCA CTTGACACACCGCCCGTC		500 500		
AOA	Primer Arch-amof	STAATGGTCTGGCTTAGACG	635	100	94°C for 2 min followed by 40 cycles of 45 s at 94°C, 1 min at 53°C, 45 s at 68°C, plate read at 83°C.	Francis <i>et al.</i> (2005)
	Primer Arch-amofR	GCGCCATCCATCTGTATGT		100		

We apologize for this error.

Reference

He, J.-Z., Shen, J.-P., Zhang, L.-M., Zhu, Y.-G., Zheng, Y.-M., Xu, M.-G., and Di, H. (2007) Quantitative analyses of the abundance and composition of ammonia-oxidizing bacteria and ammonia-oxidizing archaea of a Chinese upland red soil under long-term fertilization practices. *Environ Microbiol* **9**: 2364–2374.