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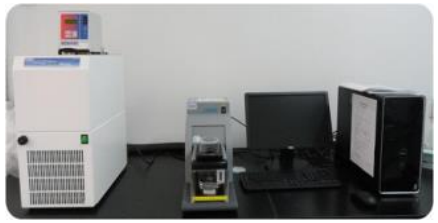

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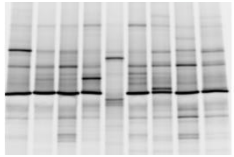

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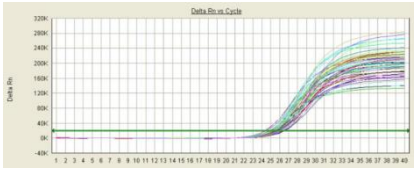

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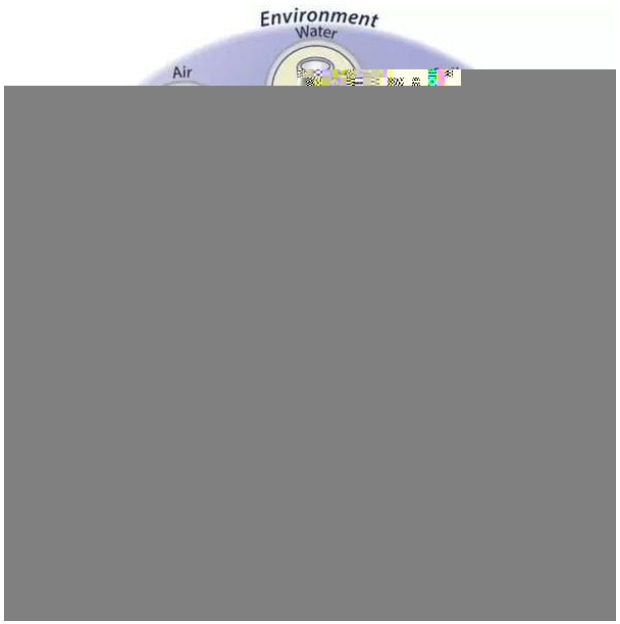

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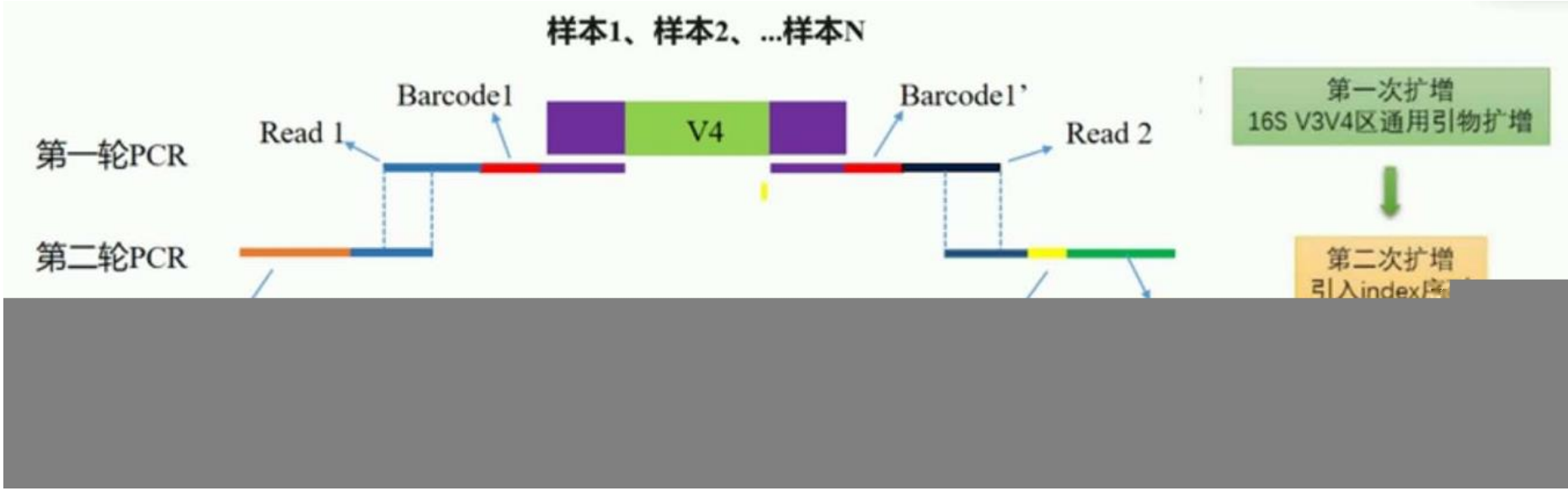
样本1、样本2、...样本N
Barcode1
Barcode1'
Read 1
V4
Read 2
第一轮PCR
第二轮PCR
第一次扩增
16S V3V4区通用引物扩增
第二次扩增

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Illumina Miseq ת

y ~ ¿ y 16S/18S rRNA /ITS ˆ

y ~ ¯ x : 2x250bp / 2x300bp

y ~ ƒ G O y 15M/25M

y ý Î ƒ y 100-200

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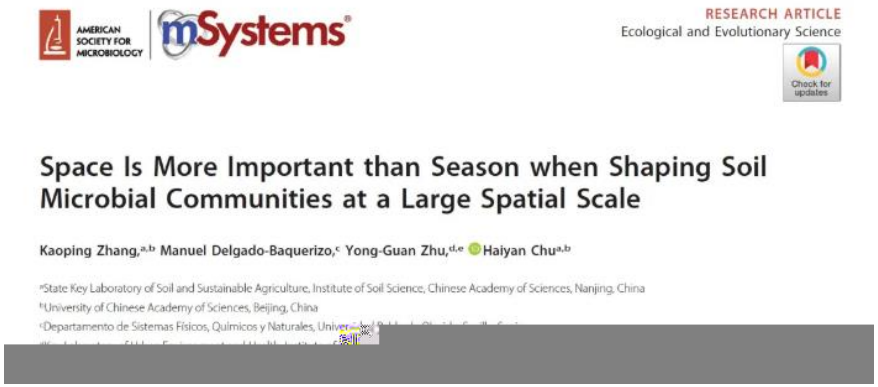

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Simulated warming enhances the responses of microbial N transformations to reactive N input in a Tibetan alpine meadow

Environ. Int. Ψ ۴ ~ ڑ̈

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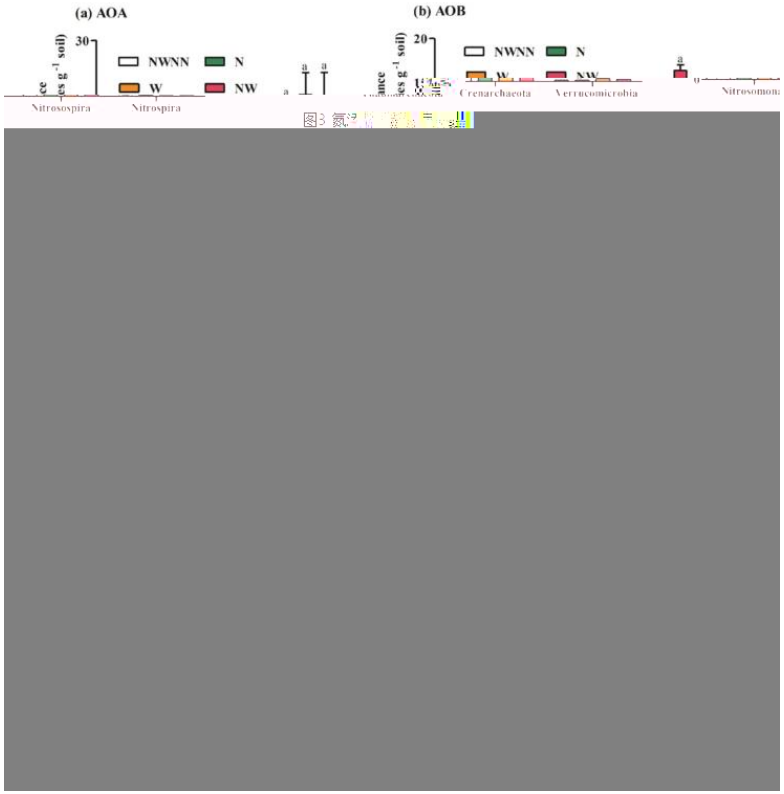
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