



Fig 4. DGGE patterns of PCR-amplified 16S rDNA fragments. A. the real DGGE pattern, B. the illustration bands of DGGE patterns.

rRNA genes of members of the domain Bacteria. The PCR product as shown in figure 3 showed that the bands from GS-1, GS-2, and GS-F appear align with the third band of marker pUC/*Hinf*I. The sizes of these bands are about 300 bp.

DGGE profiles of the bacteria community of WGS-2 hot spring from filtration and cultivation were obtained (Fig.4). The illustration of DGGE patterns show that there are distinct two bands that appear in GS-F, GS-1, and GS-2. It means that these bands represent the predominant bacteria that live in this spring. However, there is one band in the lane of GS-1. This band doesn't appear in GS-F, perhaps because this organism is not dominant in the spring but can growth well in medium ½ LB.

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6. References

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