

## Supplementary Figure

**Fig.S1** DGGE profile of amplified 16S rRNA genes V3 fragments from soils under different long term fertilizer treatments. Abbreviations represent different treatments: non-amended control (CK), commonly used application rate of inorganic fertilizer treatment (NPK); commonly used application rate of inorganic fertilizer with swine manure incorporated treatment (NPKM) and commonly used application rate of inorganic fertilizer with maize straw incorporated treatment (NPKS). Four DGGE profiles in each treatment represent four replicates of each treatment.

