



Supplement Fig. 1 Cluster analysis of *mcrA*-(a) and *pmoA*-based (b) T-RFLP profiles from rice ripening stage. Letters “R” after the treatments indicate samples from mRNA-derived profile. **NPK**, balance chemical fertilization; **-K**, potassium deficient; **-P**, phosphorus deficient; **-PK**, phosphorus and potassium deficient.