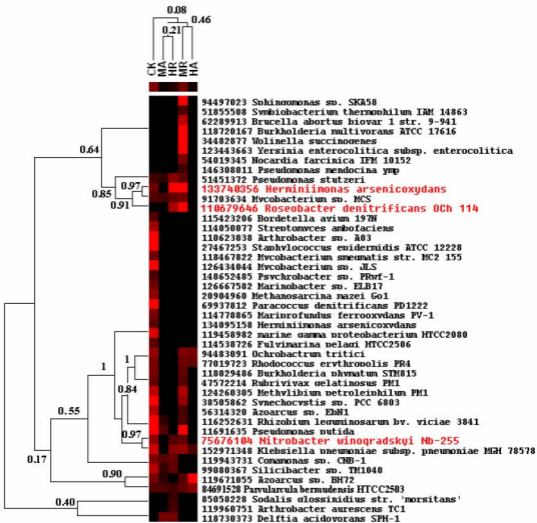


Supplemental Data Summary

Fig. S1 Hierarchical cluster analysis of arsenic-resistance genes (*arsA/B/C*) based on hybridization signal intensities for all soil samples. The correlation coefficients are shown at the tree branches. The sequence labeled with red colors (on the right) only detected in the rhizosphere samples.

Fig. S2 Hierarchical cluster analysis of phosphorus-utilizing genes based on hybridization signal intensities for all soil samples. The correlation coefficients are shown at the tree branches. The sequence labeled with red colors (on the right) only detected in the rhizosphere samples. The criterion used to define the clusters 1 to 4 was arbitrarily selected based on the structure of the gene cluster tree (left).

Fig. S3 Hierarchical cluster analysis of sulfate-reducing genes (*dsr*) based on hybridization signal intensities for all soil samples. The correlation coefficients are shown at the tree branches. The sequence from 15055576 labeled with red color (on the right) only detected in the rhizosphere samples. Other red labeled sequence were not detected in the highly As-contaminated soils (HR and HA).



0.38
0.79
CK
MR
HA
MA
HR

