

Supplementary

# Effects of amendments on soil microbial diversity, enzyme activity and nutrient accumulation after assisted phytostabilization of an extremely acidic metalliferous mine soil

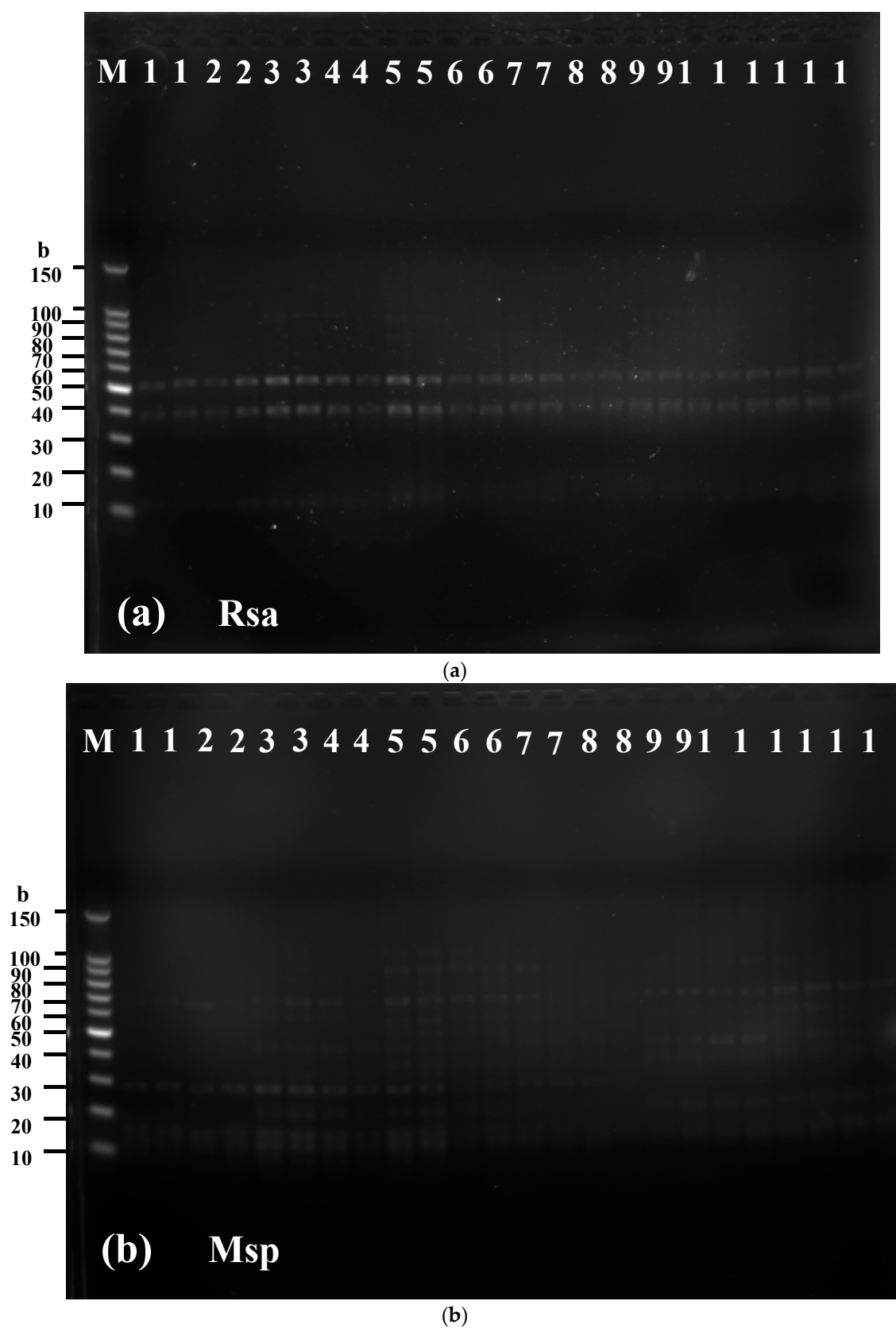
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**Table 1.** Results of canonical correspondence analysis (CCA).

| Axis                                | 1            | 2     |
|-------------------------------------|--------------|-------|
| Eigenvalue                          | 0.826        | 0.096 |
| Cumulative percentage variance      |              |       |
| Of species data                     | 48.2         | 54.7  |
| Of species-environment correlations | 84.4         | 95.5  |
| species-environment correlations    | 0.819        | 0.578 |
| Monte Carlo significance test       | For all axes |       |
| F-ratio                             | 36.32        | 6.50  |
| P-value                             | 0.002        | 0.002 |
| Intraset correlations (100×r)       |              |       |
| OM                                  | −62.4        | −8.1  |
| TN                                  | −54.9        | −1.0  |
| TP                                  | −46.8        | 22.6  |
| TK                                  | −46.5        | 7.3   |
| NH <sub>4</sub> <sup>+</sup> -N     | −60.1        | 14.6  |
| NO <sub>3</sub> <sup>−</sup> -N     | −54.7        | 22.7  |
| AP                                  | −51.1        | 14.0  |
| AK                                  | −51.6        | 9.3   |



**Figure S1.** A photo showing the pot experiment.



**Figure S2.** Bacterial community profiles based on T-RFs of the 16S rRNA gene digested with Rsa I and Msp I. Lanes 1-12 stand for 12 treatments with double lanes per treatment. Lane 1: control1, Lane 2: control 2, Lane 3: lime1, Lane 4: lime1 + NPK, Lane 5: lime1 + P, Lane 6: lime1 + Rs, Lane 7: lime1 + NPK + Rs, Lane 8: lime2, Lane 9: lime2 + NPK, Lane 10: lime2 + P, Lane 11: lime2 + Rs, Lane 12: lime2 + NPK + Rs.