Improvement of saline soil properties and *Brassica rapa* L. growth using biofertilizers

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**Supplementary Materials:**

**Table S1** Properties of saline-alkali soil and organic fertilizers

|  |  |
| --- | --- |
| Soil sample | Organic fertilizer |
| TSSC (g kg-1) | 8.8±0.21 | OM (g kg-1) | 400±24  |
| pH | 8.65±0.56 | TN (g kg-1) | 18.0±1.17  |
| SOM (g kg-1) | 14.7±1.21 | P2O5 (g kg-1) | 11.1±0.21 |
| AP (mg kg-1) | 9.9±0.87 | K2O (g kg-1) | 5.8±0.11 |
| AK (mg kg-1) | 440±47 | TSSC (g kg-1) | 4.0±0.12 |
| TN (mg kg-1) | 613±55 |  |  |
| TC (g kg-1) | 21.3±1.26  |  |  |
| C/N ratio | 33.3±1.58 |  |  |



**Figure S1.** Plant root length (a) and dry weight of underground part (b) of plant. CK, control; OF, organic fertilizer; BF, organic fertilizer with *B. licheniformis*; HF, organic fertilizer with *H. profundi*. OM organic fertilizer with *B. licheniformis* and *H. profundi*. P-values were analyzed using one-way ANOVA and Student's t-test (*p* < 0.05).



**Figure S2.** The content of NH4+-N (a), NO3--N (b), NO2--N (c) in the saline-alkali soil. CK, control; OF, organic fertilizer; BF, organic fertilizer with *B. licheniformis*; HF, organic fertilizer with *H. profundi*. OM organic fertilizer with *B. licheniformis* and *H. profundi*. P-values were analyzed using one-way ANOVA and Student's t-test (*p* < 0.05).