

Table S2 Physicochemical characteristics of soil samples

| Site | EC (dSm ⁻¹) | pH | TC (%) | TIC (%) | TOC (%) | TN (%) | TS (%) |
|------|-------------------------|-----------|-----------|-----------|-----------|------------|-------------|
| SS1 | 3.8±0.07 | 8.3±0.11 | 1.27±0.08 | 0.02±0.08 | 0.44±0.06 | 0.09±0.005 | 0.11±0.01 |
| SS2 | 7.1±0.10 | 8.0±0.14 | 1.38±0.06 | 0.78±0.06 | 0.61±0.05 | 0.09±0.006 | 0.28±0.02 |
| AS | 0.12±0.02 | 7.09±0.17 | 2.65±0.19 | 1.6±0.19 | 1.04±0.15 | 0.14±0.006 | 0.016±0.005 |
| RS | 0.13±0.04 | 6.9±0.08 | 1.47±0.06 | 1.01±0.06 | 0.46±0.7 | 0.17±0.01 | 0.05±0.001 |

Values are shown as Mean ± S.D. of triplicate (n=3) data sets