

Supplemental Table 4. Results of three-way ANOVA examining the effects of the studied factors on biochemical parameters in roots of silver maple (*Acer saccharinum* L.). n.s. – not significant

| Parameter | Factor | df | F | p |
|-----------|-----------|----|-------|--------|
| Proline | T | 2 | 213.7 | <0.001 |
| | S | 1 | 592.7 | <0.001 |
| | C | 5 | 583.7 | <0.001 |
| | T x S | 2 | 147.5 | <0.001 |
| | T x C | 10 | 57.5 | <0.001 |
| | S x C | 5 | 5.4 | <0.001 |
| | T x S x C | 10 | 6.6 | <0.001 |
| SOD | T | 2 | 947.7 | <0.001 |
| | S | 1 | 4.2 | 0.05 |
| | C | 5 | 35.9 | <0.001 |
| | T x S | 2 | 0.1 | n.s. |
| | T x C | 10 | 0.9 | n.s. |
| | S x C | 5 | 8.5 | <0.001 |
| | T x S x C | 10 | 4.0 | <0.001 |
| CAT | T | 2 | 117.6 | <0.001 |
| | S | 1 | 546.0 | <0.001 |
| | C | 5 | 175.6 | <0.001 |
| | T x S | 2 | 87.1 | <0.001 |
| | T x C | 10 | 24.9 | <0.001 |
| | S x C | 5 | 19.2 | <0.001 |
| | T x S x C | 10 | 17.7 | <0.001 |
| POX | T | 2 | 67.0 | <0.001 |
| | S | 1 | 231.5 | <0.001 |
| | C | 5 | 164.6 | <0.001 |
| | T x S | 2 | 49.8 | <0.001 |
| | T x C | 10 | 11.9 | <0.001 |
| | S x C | 5 | 21.7 | <0.001 |
| | T x S x C | 10 | 6.8 | <0.001 |
| Protein | T | 2 | 37.6 | <0.001 |
| | S | 1 | 7.6 | 0.01 |
| | C | 5 | 35.5 | <0.001 |
| | T x S | 2 | 80.5 | <0.001 |
| | T x C | 10 | 6.5 | <0.001 |
| | S x C | 5 | 9.9 | <0.001 |
| | T x S x C | 10 | 9.2 | <0.001 |