**SUPPLEMENTARY MATERIAL**

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| **Supplementary Table SI.** Primary root elongation rates of CK44 *oxalate oxidase* transgenic and wild-type linesunder well-watered and water-stressed (-1.6 MPa) conditions. Elongation rates were calculated by dividing increases in root length of individual seedlings by the intervals between markings (from the experiment shown in Fig. 3A). Data are means ± SE (n = 10-20 roots). Asterisks denote significant differences between the transgenic and wild-type lines (*t*-test; \**P* < 0.05; \*\**P* < 0.01). |
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|  CK44, well-watered |   | CK44, water-stressed   |
|  | Root elongation rate (mm h-1) |  |   | Root elongation rate (mm h-1) |
| Hours after transplanting | Wild-type | Transgenic |  | Hours after transplanting | Wild-type | Transgenic |
| 0-12 | 1.78 ± 0.06 | 1.94 ± 0.03\* |  |  |  |  |
| 12-24 | 2.16 ± 0.04 |  2.38 ± 0.04\*\* |  | 0-24 | 0.77 ± 0.02 | 0.60 ± 0.03\*\* |
| 24-36 | 2.10 ± 0.04 |  2.50 ± 0.04\*\* |  |  |  |  |
| 36-48 | 2.02 ± 0.02 |  2.39 ± 0.05\*\* |  | 24-48 | 0.86 ± 0.02 | 0.72 ± 0.02\*\* |
|  |  |  |  | 48-72 | 1.02 ± 0.03 | 0.70 ± 0.03\*\* |