CORRECTION

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Seo, M., Akaba, S., Oritani, T., Delarue, M., Bellini, C., Caboche, M., and Koshiba, T. Higher Activity of an Aldehyde Oxidase in the Auxin-Overproducing *superroot1* Mutant of *Arabidopsis thaliana*.

The editorial office regrets that the abstract carried a misprint that was made during the production process. The corrected sentence is printed below followed by the entire abstract.

The activity was about 5 times higher in the extract of the *sur1* seedlings, indicating that AO1 also has a substrate preference for indole-3-acetaldehyde.

Aldehyde oxidase (AO; EC 1.2.3.1) activity was measured in seedlings of wild type or an auxin-overproducing mutant, *superroot1* (*sur1*), of *Arabidopsis thaliana*. Activity staining for AO after native polyacrylamide gel electrophoresis separation of seedling extracts revealed that there were three major bands with AO activity (AO1–3) in wild-type and mutant seedlings. One of them (AO1) had a higher substrate preference for indole-3-aldehyde. This AO activity was significantly higher in *sur1* mutant seedlings than in the wild type. The difference in activity was most apparent 7 d after germination, the same time required for the appearance of the remarkable *sur1* phenotype, which includes epinastic cotyledons, elongated hypocotyls, and enhanced root development. Higher activity was observed in the root and hypocotyl region of the mutant seedlings. We also assayed the indole-3-acetaldehyde oxidase activity in extracts by high-performance liquid chromatography detection of indole-3-acetic acid (IAA). The activity was about 5 times higher in the extract of the *sur1* seedlings, indicating that AO1 also has a substrate preference for indole-3-acetaldehyde. Treatment of the wild-type seedlings with picloram or IAA caused no significant increase in AO1 activity. This result suggested that the higher activity of AO1 in *sur1* mutant seedlings was not induced by IAA accumulation and, thus, strongly supports the possible role of AO1 in IAA biosynthesis in Arabidopsis seedlings.
