



Corrigendum: Knock-Down of the Phosphoserine Phosphatase Gene Effects Rather N- Than S-Metabolism in *Arabidopsis thaliana*

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A Corrigendum on

Knock-Down of the Phosphoserine Phosphatase Gene Effects Rather N- Than S-Metabolism in *Arabidopsis thaliana*

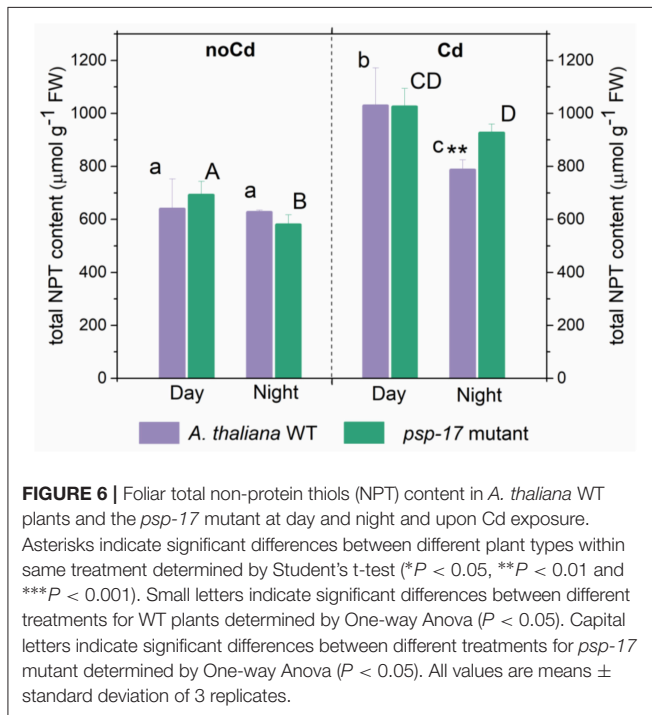
by Samuilov, S., Rademacher, N., Brillhaus, D., Flachbart, S., Arab, L., Kopriva, S., et al. (2018). *Front. Plant Sci.* 9:1830. doi: 10.3389/fpls.2018.01830

In the original article, there was a mistake in **Figure 6** as published. On the y-axis “nmol g⁻¹ FW” was used instead of “μmol g⁻¹ FW” for the total NPT content measurement. The corrected **Figure 6** appears below.

A correction has been made to the Materials and Methods, subsection Quantification of Total Non-Protein Thiols:

“For the determination of total non-protein thiols (NPT), a modified method of Queval and Noctor (2007) was applied. Total thiols in leaf extract were assayed as 5,5'-dithio-bis-[2-nitrobenzoic acid]-reactive thiols (DTNB-reactive thiols) by spectrophotometry (Beckman UV-DU650, Beckman Coulter, United States) using glutathione (GSH) as a standard. Approximately 100 mg frozen leaf powder was extracted in 1 ml 0.2N HCl. Aliquots of 0.5 ml supernatant were transferred into fresh micro tubes (Sarstedt AG & Co., Nümbrecht, Germany) and neutralized with 0.4 ml 0.2 M NaOH in the presence of 50 μl 0.2 M NaH₂PO₄ (pH 5.6). For thiol quantification by spectrophotometry, each semi-micro cuvette (Sarstedt AG & Co., Nümbrecht, Germany) contained 500 μl phosphate-EDTA buffer (0.2 M NaH₂PO₄, pH 7.5; 10 mM EDTA), 50 μl of 12 mM DTNB and 450 μl neutralized sample extract (total volume 1 ml). For standards, the extract was replaced by 450 μl of 0, 10, 20, 30, 40, 50 μmol GSH. The absorbance was measured at a wavelength of 412 nm 3 min after addition of extract or standard.”

The authors apologize for these errors and state that they do not change the scientific conclusions of the article in any way. The original article has been updated.



REFERENCES

Queval, G., and Noctor, G. (2007). A plate reader method for the measurement of NAD, NADP, glutathione, and ascorbate in tissue extracts: application to redox profiling during Arabidopsis rosette development. *Anal. Biochem.* 363, 58–69. doi: 10.1016/j.ab.2007.01.005

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