



OPEN Retraction Note: The Na/K-ATPase oxidant amplification loop regulates aging

Komal Sodhi, Alexandra Nichols, Amrita Mallick, Rebecca L. Klug, Jiang Liu, Xiaoliang Wang, Krithika Srikanthan, Perrine Goguet-Rubio, Athar Nawab, Rebecca Pratt, Megan N. Lilly, Juan R. Sanabria, Zijian Xie, Nader G. Abraham & Joseph I. Shapiro

Retraction of: *Scientific Reports* <https://doi.org/10.1038/s41598-018-26768-9>, published online 26 June 2018

The Editors have retracted this Article. After publication, concerns were raised regarding high similarity among the following:

- multiple lanes within each of the Coomassie blue staining images in Figs. 3h, 6c, S1a and S2a;
- DNP blot images in Figs. 3h (H₂O₂ + pNaKtide group), S1a (both lanes in Y group and left lane in O + WD + P group) and S2a (OB and O groups);
- pSRC blot images in Figs. S2b (OB group) and 3i (pNaKtide, H₂O₂ and H₂O₂ + pNaKtide groups).

Further investigation has found that there are unexplained similarities between images representing different groups in:

- Figs. 3a (Control and H₂O₂ + pNaKtide) and S4a (Control and UV + pNaKtide);
- Fig. S3a (H₂O₂ + pNaKtide 1 μ M and 4 μ M, rotated 180 degrees);
- Figs. S3a (H₂O₂ 200 μ M) and Fig. S5a (Ouabain 1 nM).

The Editors therefore no longer have confidence in the presented data.

Juan R. Sanabria and Nader G. Abraham agree to this retraction. Komal Sodhi, Jiang Liu, Rebecca Pratt, and Joseph I. Shapiro do not agree to this retraction. Alexandra Nichols, Amrita Mallick, Rebecca L. Klug, Xiaoliang Wang, Krithika Srikanthan, Perrine Goguet-Rubio, Athar Nawab, Megan N. Lilly, and Zijian Xie have not responded to any correspondence from the Editors about this retraction.



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