



Cite this: *Phys. Chem. Chem. Phys.*,
2017, **19**, 32143

DOI: 10.1039/c7cp90263h

rsc.li/pccp

Retraction: The reductive phase of *Rhodobacter sphaeroides* cytochrome *c* oxidase disentangled by CO ligation

Hendrik Mohrmann,^a Jovan Dragelj,^b Federico Baserga,^a Ernst-Walter Knapp,^b
Sven T. Stripp^a and Joachim Heberle^{*a}

Retraction of 'The reductive phase of *Rhodobacter sphaeroides* cytochrome *c* oxidase disentangled by CO ligation' by Hendrik Mohrmann et al., *Phys. Chem. Chem. Phys.*, 2017, DOI: 10.1039/c7cp06480b.

We, the named authors, hereby wholly retract this *Physical Chemistry Chemical Physics* article. After publication, we found a mistake in the data analysis, which originated from an honest error made during preparation of the article. In particular, the number of transferred electrons n is reciprocal, *i.e.* 0.85 for the first and 0.33 for the second transition. Furthermore, the mid-point potential of heme *a* in CO-bound cytochrome *c* oxidase has been derived from the change in intensity of a vibrational band of the IR spectrum whose assignment is ambiguous. Thus, our conclusions relating to electron-coupled proton transfer involving the heme cofactors are flawed.

The authors would like to apologize for any inconvenience to readers.

Signed: Hendrik Mohrmann, Jovan Dragelj, Federico Baserga, Ernst-Walter Knapp, Sven T. Stripp and Joachim Heberle,
16th November 2017.

Retraction endorsed by Anna Simpson, Executive Editor, *Physical Chemistry Chemical Physics*.

^a Experimental Molecular Biophysics, Freie Universität Berlin, Arnimallee 14, 14195 Berlin, Germany. E-mail: joachim.heberle@fu-berlin.de

^b Institute of Chemistry and Biochemistry, Freie Universität Berlin, Fabeckstraße 36A, 14195 Berlin, Germany

