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

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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*.

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