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CORRECTION

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Correction to: Rapid and ultra-sensitive quantitation of disease-associated α-synuclein seeds in brain and cerebrospinal fluid by αSyn RT-QuIC

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Correction to: Acta Neuropathologica Communications (2018) 6:7 https://doi.org/10.1186/s40478-018-0508-2

In the original publication of this article [1] the plasmid name is incorrect in the first sentence of the "**K23Q rαSyn expression vector preparation"** section of **Materials and methods**.

The correct and incorrect information is shown below in **bold**.

- **Correct:** DNA sequences coding for human α-synuclein sequence (Accession No. NM_000345.3) amino acid residues 1–140 (wildtype) were amplified and ligated into the **pET28 vector** with an N-terminal His-tag (EMD Biosciences) and sequences were confirmed.
- **Incorrect:** DNA sequences coding for human α-synuclein sequence (Accession No. NM_000345.3) amino acid residues 1–140 (wildtype) were amplified and ligated into the **pET24 vector** with an N-terminal His-tag (EMD Biosciences) and sequences were confirmed.

Furthermore, the original publication contained an incorrrect version of figure 4. The error in this figure is: exponents in the SD50/mg column of panel A are negative, when they should be positive. This correction article contains the correct version of Fig. 4.

The original article can be found online at https://doi.org/10.1186/s40478-018-0508-2.

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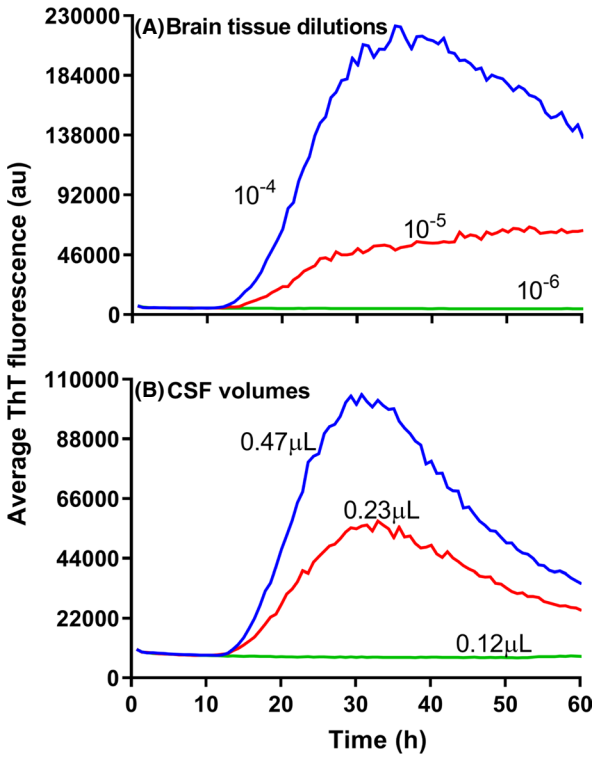

Disease	Brain sample	SD_{50}/mg
PD	081017	$8.9x10^4$
DLB	2006-005	$8.9x10^5$
DLB	2004-016	$2.8x10^6$
DLB	2006-020	$5.0x10^6$

Disease	CSF sample	SD_{50}/15µl
DLB	10/005	54
DLB	11/037	32
DLB	12/019	11
DLB	12/033	5
DLB	12/046	4

Fig. 4 End-point dilutions of synucleinopathy BH (**a**; sample # 081017) or CSF (**b**; sample # 10/005) samples by αSyn RT-QuIC. Each sample trace represents the average ThT signal of quadruplicate wells. Tables to the right of each graph indicate the concentration of SD_{50} units calculated by Spearman–Kärber analysis for these, and additional, cases. End-point dilution experiments used for the additional calculated values shown in the upper and lower panels are provided in Additional files 4 and 5, respectively

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