



Published in final edited form as:

Acta Neuropathol. 2020 January ; 139(1): 79–81. doi:10.1007/s00401-019-02092-y.

Correction to: 4-Repeat tau seeds and templating subtypes as brain and CSF biomarkers of frontotemporal lobar degeneration

Eri Saijo¹, Michael A. Metrick II¹, Shunsuke Koga², Piero Parchi^{3,4}, Irene Litvan⁵, Salvatore Spina⁶, Adam Boxer⁶, Julio C. Rojas⁶, Douglas Galasko⁷, Allison Kraus¹, Marcello Rossi³, Kathy Newell⁸, Gianluigi Zanusso⁹, Lea T. Grinberg^{6,10}, William W. Seeley⁶, Bernardino Ghetti⁸, Dennis W. Dickson², Byron Caughey¹

¹LPVD, Rocky Mountain Laboratories, NIAID, NIH, Hamilton, MT, USA

²Department of Neuroscience, Mayo Clinic, Jacksonville, FL, USA

³IRCCS Istituto delle Scienze Neurologiche di Bologna, 40139 Bologna, Italy

⁴Department of Experimental Diagnostic and Specialty Medicine (DIMES), University of Bologna, 40138 Bologna, Italy

⁵Department of Neurosciences, Parkinson and Other Movement Disorders Center, University of California, San Diego, CA, USA

⁶Memory and Aging Center, Department of Neurology, University of California, San Francisco, CA, USA

⁷Department of Neurosciences, University of California, San Diego, CA, USA

⁸Indiana University School of Medicine, Indianapolis, IN, USA

⁹University of Verona, Verona, Italy

¹⁰Department of Pathology, LIM-22, University of Sao Paulo, Sao Paulo, Brazil

The original version of this article unfortunately contained a mistake. The Panel A in the published figure 5 is incorrect. The corrected Fig. 5 is placed in the following page.

Byron Caughey, bcaughey@nih.gov.

Publisher's Note Springer Nature remains neutral with regard to jurisdictional claims in published maps and institutional affiliations.

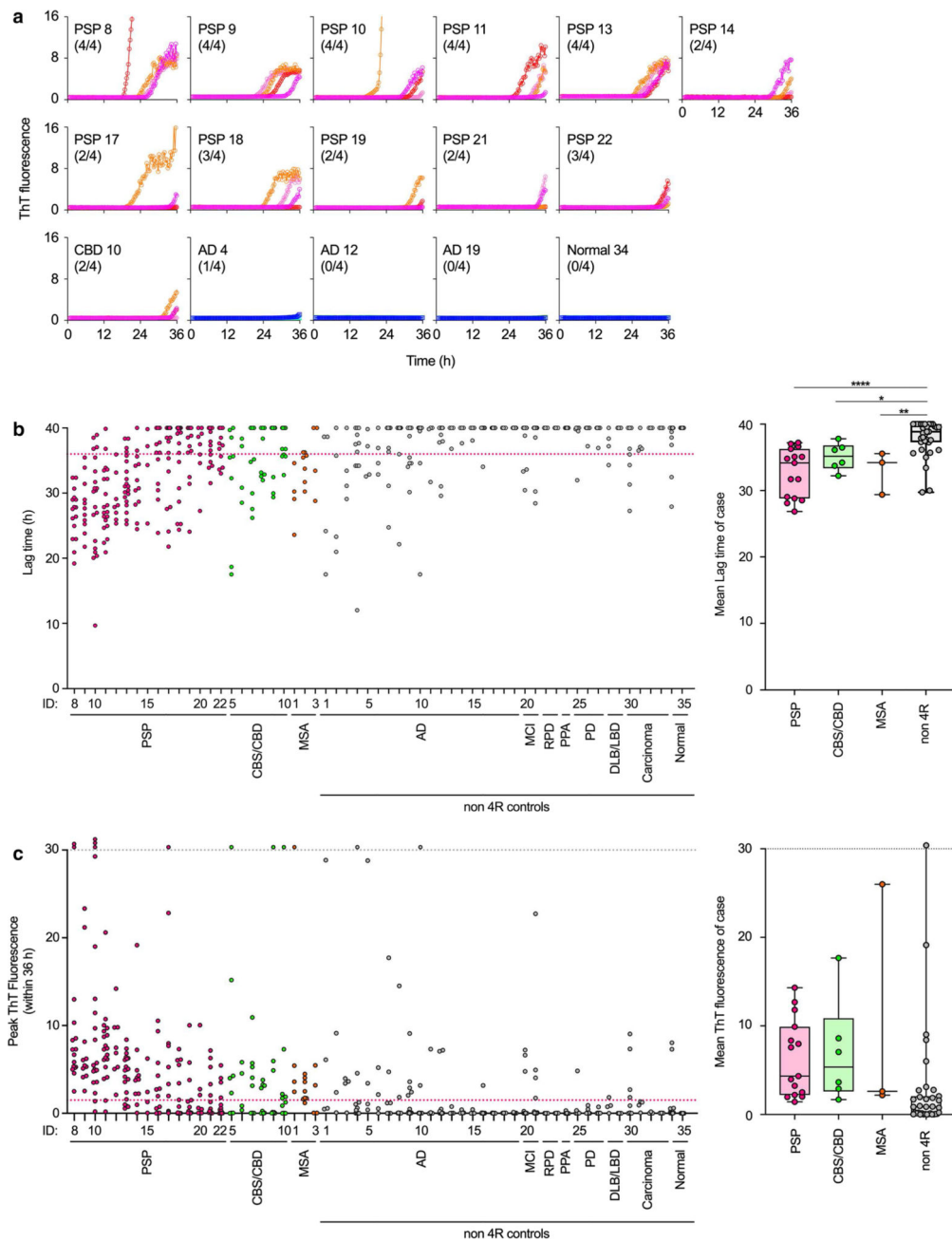


Fig. 5. 4R seeding activities detected in intra-vitam PSP and CBD CSF by 4R RT-QuIC. **a** Representative CSF samples (12 μ L) from PSP, CBD, AD, and non-neurological (normal) control cases, identified by their ID numbers from Online Resource Table 3, were analyzed by 4R RT-QuIC. Traces from individual quadruplicate reactions are plotted with ThT rfu indicated in thousands. The fraction of the quadruplicate reactions exceeding the 1500 rfu threshold is shown in parentheses. **b** Lag times (times to 1500 rfu within 40 h) for individual reactions seeded with CSF from the designated PSP, CBS/CBD, MSA, AD, *MCI* mild cognitive impairment, *RPD* rapidly progressive dementia, *PPA* primary progressive aphasia, *PD* Parkinson disease, dementia with Lewy bodies/Lewy body dementia (DLB/LBD),

carcinoma and normal control cases (ID numbers on x -axis) were shown in the dot plot. Right graph: data points show average lag times for each case with the designated diagnosis. Boxes indicate the median and interquartile range, and whiskers indicate the maximum and minimum case averages. Significance of differences between means by one-way ANOVA followed by uncorrected Fisher's LSD test: * $p < 0.05$, ** $p < 0.001$, *** $p < 0.0001$. **c** Baseline-subtracted rfu values within 36 h. Off-scale values exceeding 30,000 rfu are stacked above the grey dotted line. Magenta dotted line: 1500 rfu threshold. Box plots as described in **b**, but for peak rfu values instead of lag times