

Title: Evidence for unique small RNA modifications in Alzheimer's disease

(Data Supplement)

Xudong Zhang^{1*}, Fatima Trebak^{2*}, Lucas AC Souza², Junchao Shi³, Tong Zhou³,

Patrick G. Kehoe⁴, Qi Chen^{1#}, Yumei Feng Earley^{2#}

1. Division of Biomedical Sciences, School of Medicine, University of California, Riverside, Riverside, CA, USA
2. Departments of Pharmacology, Physiology & Cell Biology, Center for Molecular & Cellular Signal Transduction in the Cardiovascular System, University of Nevada, Reno, School of Medicine, Reno, NV, USA
3. Departments of Physiology & Cell Biology, University of Nevada, Reno, School of Medicine, Reno, NV, USA
4. Dementia Research Group, Translational Health Sciences, Bristol Medical School, University of Bristol, Bristol, UK

*Contributed equally to this work

#Correspondence to:

Yumei Feng Earley, MD, PhD, FAHA

Associate Professor of Pharmacology and Physiology & Cell Biology
Center for Molecular & Cellular Signal Transduction in the Cardiovascular System
University of Nevada, Reno, School of Medicine
1664 North Virginia Street, Mail-stop 0318
Reno, NV, 89557, USA
E-mail: yumeifeng@med.unr.edu

Qi Chen, MD, PhD

Assistant Professor
Division of Biomedical Sciences, School of Medicine
University of California, Riverside
Riverside, CA, 92521, USA
E-mail: Qi.Chen@medsch.ucr.edu

Figure S1.

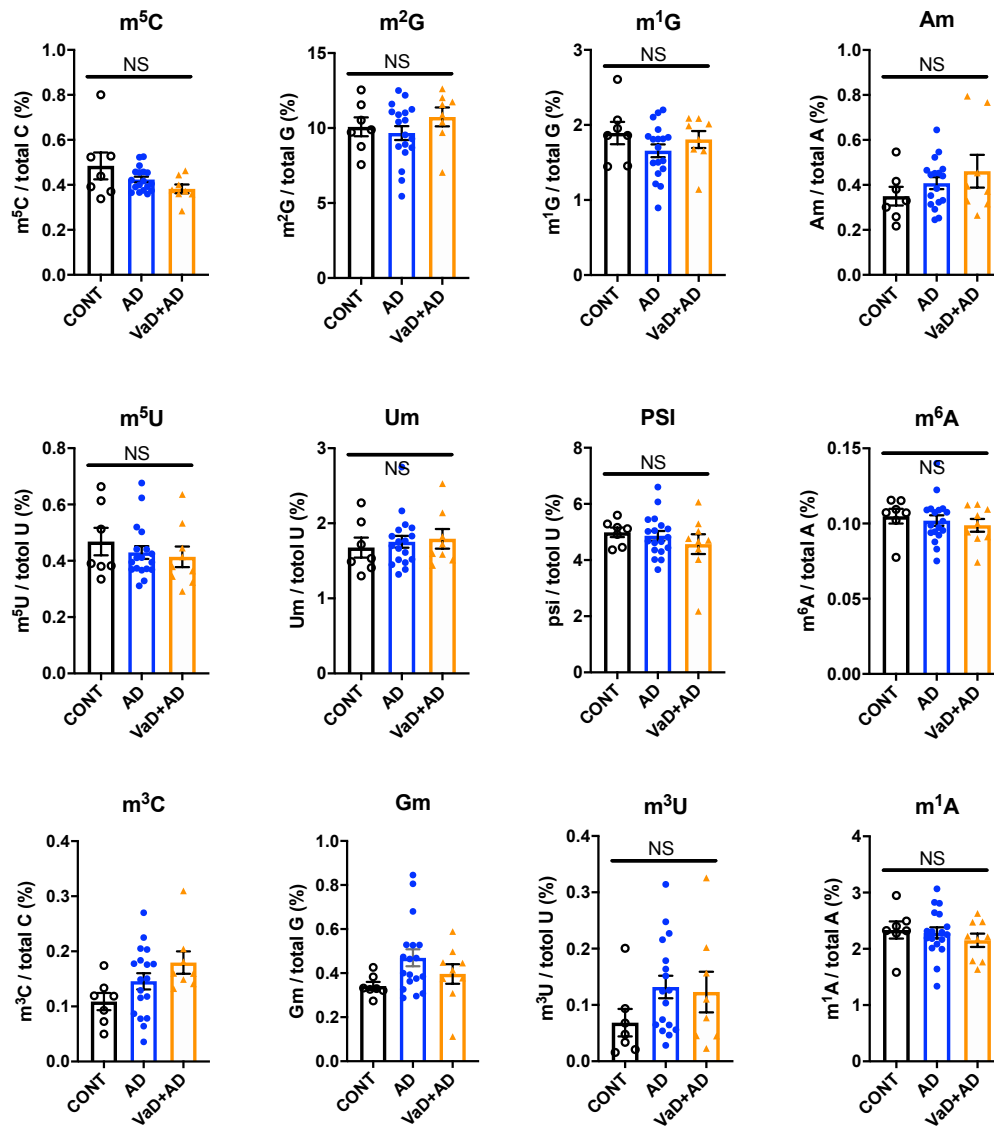


Figure S1. miRNA modifications in the prefrontal lobe cortex of AD and VaD+AD patients. There were no changes in 15–25-nt small RNA modifications in the cortex of AD and VaD+AD compared with CONT subjects ($n = 7$ for CONT, $n = 18$ for AD, and $n = 9$ for VaD+AD; * $P < 0.05$ vs. CONT).

Figure S2.

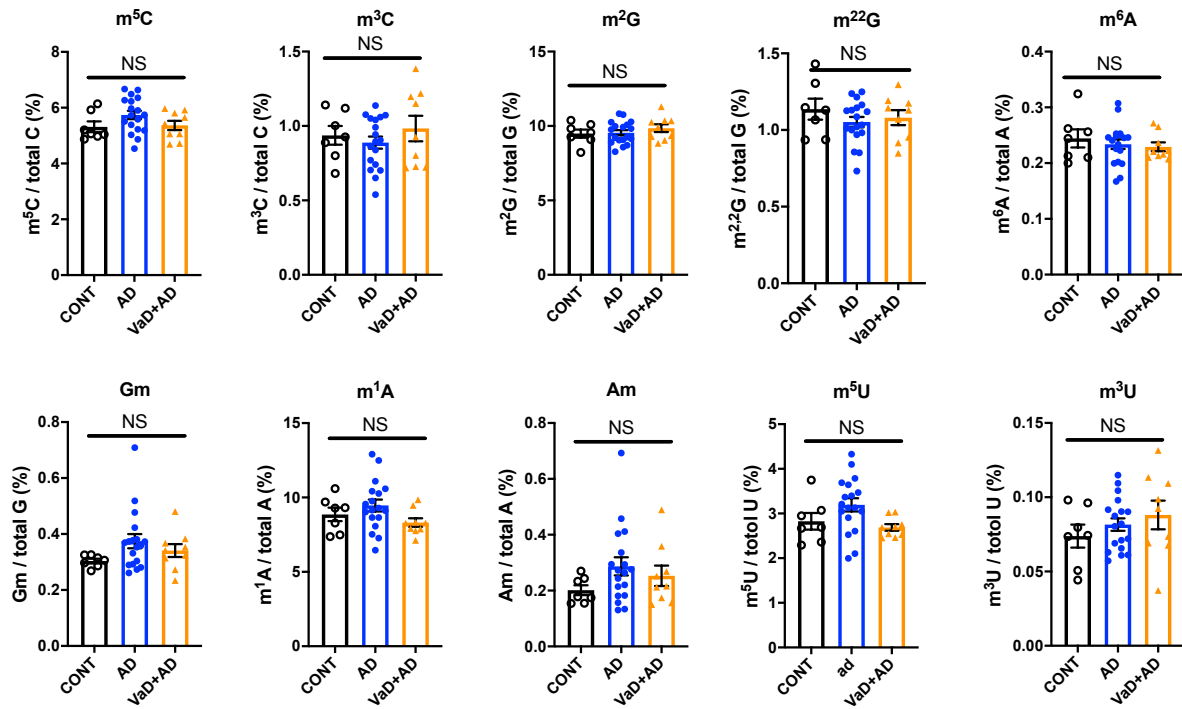


Figure S2. Small RNA (30–40 nt) modifications in the prefrontal lobe cortex of AD and VaD+AD patients. There were no changes in 30–40-nt small RNA modifications in the cortex of AD and VaD+AD compared with CONT subjects ($n = 7$ for CONT, $n = 18$ for AD, and $n = 9$ for VaD+AD; $* P < 0.05$ vs. CONT).