

| Supplementary Table 2 Table of abbreviations | |
|---|---|
| Acronym | Expansion |
| ACA | anterior cingulate cortex/area |
| AD | Alzheimer's disease |
| ADNI | Alzheimer's Disease Neuroimaging Initiative |
| APOE | apolipoprotein E |
| APP | amyloid precursor protein |
| AR-HMM | autoregressive hidden Markov model |
| AUC | area under the curve |
| AVP | vasopressin / arginine vasopressin |
| A β | amyloid beta |
| CA3 / vCA3 | cornu ammonis 3 / ventral CA3 |
| CI | confidence interval |
| CN | cognitively normal |
| CNU | cerebral nuclei |
| CSF | cerebrospinal fluid |
| Ctrl | control |
| CTXsp | cortical subplate |
| DAN | dorsal attention network |
| DMN | default mode network |
| DMSO | dimethylsulfoxide |
| EEG | electroencephalography |
| EMG | electromyography |
| EPM | elevated plus maze |
| FFT | fast Fourier transform |
| FOV | field of view |
| FPN | frontoparietal network |
| FWD | framewise displacement |
| HB | hindbrain |
| HPF | hippocampal formation |
| HY | hypothalamus |
| IEG | immediate early gene |
| LMEM | linear mixed-effects model |
| LV | latent variable |
| MB | midbrain |
| MCI | mild cognitive impairment |
| MMSE | mini-mental status examination |
| NREM | non-rapid eye movement sleep |
| OF | open field |
| OLF | olfactory areas |
| PL | prelimbic cortex |
| PLSC | partial least squares correlation |
| PS1 | presenilin 1 |
| REM | rapid eye movement sleep |
| rsFC | resting-state functional connectivity |
| SBPV | subparaventricular zone |
| SCN | suprachiasmatic nucleus |
| SN | Saliency Network |
| SVD | singular value decomposition |
| SWA | slow-wave activity |
| TH | thalamus |
| Veh | vehicle |
| VIP | vasoactive intestinal peptide |
| vVMH | ventrolateral ventromedial hypothalamus |
| ZT | zeitgeber time |