

Supplementary Tables

Analysis	Description	original study	present paper	this supplement
1	fMRI novelty and memory effect as a function of participant group	Figure 2	Figure 1	Figure S1
2	FADE/SAME scores as a function of scanner (here: site), gender and group	Table 2	—	Figure S2
3	FADE/SAME scores as a function of age group (here: diagnosis) and score type	Table 3 Figure 3	Table 2 Figure 2	Table S3
4	correlation of FADE/SAME scores with other indices of cognitive aging	Figure 4 Figure S6	Figure 3	—
5	stability of FADE/SAME scores for young adults across different studies	Figure 5	—	—
6	stability of FADE/SAME scores for older adults across reference samples	Figure 6	—	Figure S3
7	distribution of ApoE genotype for each age group (here: diagnosis)	Figure S3A	Table 3	Figure S4
8	FADE/SAME scores as a function of participant group and ApoE genotype	Figure S3B	Figure 4	—
9	FADE/SAME scores as a function of participant group and educational status	Figure S4B	—	Figure S5
10	relationship of FADE/SAME scores with chronological age	Figure S5	—	Figure S6 Figure S7
11	extraction of FADE/SAME scores from all vs. half of young subjects	Figure S7	—	—
12	FADE/SAME scores as a function of participant group and Amyloid positivity	—	Figure 5	—

Table S1. *Index of statistical analyses for fMRI scores.* This table lists group-level fMRI analyses conducted in the original study and replicated for the present paper. Note that the factors “fMRI scanner” and “age group” in the original study were conceptually replaced with “acquisition site” and “diagnostic group” for the present paper. The last three columns list where to find results in the original paper, in the main manuscript and in this supplement.

Step of data acquisition/processing	Description in Soch et al., 2021
experimental paradigm	see Section 2.2
fMRI data acquisition	see Section 2.3
fMRI data preprocessing	see Section 2.4
general linear modelling	see Section 2.5
single-value fMRI scores	see Sections 2.6/2.7 and Figure 1
extraction of fMRI scores	see Section 2.8 and Table S3
group-level statistical analyses	see Section 2.9

Table S2. *Reference for data acquisition and processing.* Steps of data acquisition and processing are summarized in Sections 2.2 to 2.5 and 2.8 of the main paper. Details can be found in the referenced sections of the original publication (right column).