

	Overall	DNAm	H3K9Ac	mRNA	miRNA	Protein
N	1272	651	631	494	655	765
Female (n, %)	847 (66.6)	408 (62.7)	414 (65.6)	307 (62.1)	417 (63.7)	502 (65.6)
Clinical dementia (n, %)	554 (43.6)	289 (44.4)	281 (44.5)	203 (41.1)	290 (44.3)	343 (44.8)
NCI/MCI (n, %)	690 (54.2)	350 (53.8)	339 (53.7)	282 (57.1)	353 (53.9)	411 (53.7)
AD (n, %)	471 (37.0)	233 (35.8)	226 (35.8)	168 (34.0)	236 (36.0)	283 (37.0)
Presence of gross infarctions (n, %)	458 (36.0)	232 (35.6)	225 (35.7)	174 (35.2)	239 (36.5)	277 (36.2)
Presence of microinfarcts (n, %)	377 (29.6)	175 (26.9)	170 (26.9)	127 (25.7)	178 (27.2)	216 (28.2)
Presence of Lewy bodies (n, %)	282 (22.2)	127 (19.5)	127 (20.1)	90 (18.2)	132 (20.2)	171 (22.4)
Age at death (mean (sd))	89.34 (6.56)	88.25 (6.63)	88.29 (6.51)	88.43 (6.63)	88.26 (6.53)	88.76 (6.42)
Years of education (mean, sd)	16.35 (3.60)	16.48 (3.52)	16.35 (3.52)	16.47 (3.47)	16.39 (3.56)	16.29 (3.51)
MMSE, last visit (mean, sd)	20.62 (9.40)	20.93 (9.14)	20.92 (9.19)	21.64 (8.84)	20.86 (9.33)	20.61 (9.33)
Global AD pathology (mean, sd)	0.74 (0.63)	0.70 (0.62)	0.71 (0.62)	0.66 (0.60)	0.71 (0.63)	0.73 (0.64)
Amyloid score (mean, sd)	4.16 (4.11)	3.49 (3.76)	3.61 (3.80)	3.54 (3.76)	3.56 (3.76)	4.42 (4.52)
Tangles score (mean, sd)	7.16 (8.67)	6.40 (8.08)	6.55 (8.24)	6.06 (7.67)	6.51 (8.15)	6.31 (7.54)

Supplementary Table 1. Cohort demographics.