

ADAS-Viewer

Alzheimer's Disease Alternative Splicing

**Dataset
Version 1.0**



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Table 1. The number of cases of each data across the brain regions.

	Mayo		MSBB				ROSMAP
Region	CER ^a	TCX ^b	STG ^c	PHG ^d	FP ^e	IFG ^f	DLPFC ^g
RNA-seq	271	273	241	226	260	230	623
WGS	258	262	228	214	247	220	587
Methylation	-	-	-	-	-	-	537
miRNA	-	-	-	-	-	-	525

a. CER. Cerebellum

b. TCX. Temporal cortex

c. STG. Superior temporal gyrus

d. PHG. Parahippocampal gyrus

e. FP. Frontal pole

f. IFG. Inferior frontal gyrus

g. DLPFC. Dorsolateral prefrontal cortex

Table 2. Clinical demographics of samples by brain region.

Region	Mayo		MSBB				ROSMAP
	CER ^a	TCX ^b	STG ^c	PHG ^d	FP ^e	IFG ^f	DLPFC ^g
# AD samples (Male/Female)	82 (34/48)	81 (33/48)	176 (57/119)	158 (50/108)	185 (56/129)	165 (45/120)	464 (157/307)
# CN samples (Male/Female)	77 (40/37)	78 (41/37)	65 (33/32)	68 (33/35)	75 (37/38)	65 (34/31)	159 (64/95)
# PSP samples (Male/Female)	84 (51/33)	84 (51/33)	-	-	-	-	-
# Pathologic Aging samples (Male/Female)	28 (12/16)	30 (13/17)	-	-	-	-	-
Male/Female	137/134	138/135	90/151	83/143	93/167	79/151	221/402
Braak stage	-	-	4.99 (1.91) [0-6]	4.92 (2.01) [0-6]	4.93 (1.97) [0-6]	4.86 (1.89) [0-6]	3.51 (1.23) [0-6]
Dementia status	-	-	NCI ^h : 32 MCI ⁱ : 59 CI ^j : 150	NCI: 32 MCI: 58 CI: 136	NCI: 34 MCI: 65 CI: 161	NCI: 27 MCI: 62 CI: 141	NCI: 201 MCI: 167 CI: 255
Ethnicity	-	-	White: 196 Black: 27 Hispanic: 16 Asian: 1 Unknown: 1	White: 178 Black: 28 Hispanic: 18 Asian: 1 Unknown: 1	White: 212 Black: 27 Hispanic: 19 Asian: 1 Unknown: 1	White: 196 Black: 27 Hispanic: 16 Asian: 1 Unknown: 1	White: 612 Black: 10 Asian: 1
ApoE status	-	-	E2E2: 1 E2E3: 18 E2E4: 1 E3E3: 81 E3E4: 45 E4E4: 3 Unknown: 92	E2E2: 2 E2E3: 16 E2E4: 1 E3E3: 71 E3E4: 36 E4E4: 3 Unknown: 97	E2E2: 2 E2E3: 17 E2E4: 1 E3E3: 90 E3E4: 48 E4E4: 3 Unknown: 99	E2E2: 2 E2E3: 15 E2E4: 1 E3E3: 76 E3E4: 41 E4E4: 3 Unknown: 92	E2E2: 5 E2E3: 81 E2E4: 15 E3E3: 376 E3E4: 139 E4E4: 6 Unknown: 1
PlaqueMean (# of plaques/mm2)	-	-	8.42 (8.87) [0-42]	8.37 (9.18) [0-42]	8.33 (8.94) [0-43]	7.79 (8.33) [0-42]	-
Education	-	-	-	-	-	-	Elementary:5 HighSchool:21 College:189 Graduate:408

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e. FP. Frontal pole

f. IFG. Inferior frontal gyrus

g. DLPFC. Dorsolateral prefrontal cortex

h. NCI. No cognitive impairment

i. MCI. Moderate cognitive impairment

j. CI. Cognitive impairment