

Additional file 6: Supplementary Table S2 Results of ROC-AUC analysis – CSF biomarkers to predict A β -PET status, by PET tracer

Tracer	Biomarker	AUC (95% CI)	PPA (%)	NPA (%)	OPA (%)	Threshold
NAV/PiB	A β 42	0.86 (0.79–0.94)	77	85	81	957 pg/mL
	tTau	0.82 (0.73–0.91)	86	72	79	215 pg/mL
	pTau	0.85 (0.77–0.93)	84	80	82	21.7 pg/mL
	A β 42/A β 40	0.94 (0.88–1.00)	93	91	92	0.0635
	tTau/A β 42	0.95 (0.90–1.00)	91	98	94	0.234
	pTau/A β 42	0.95 (0.90–1.00)	91	98	94	0.021
FLUTE	A β 42	0.91 (0.84–0.97)	93	77	84	1198 pg/mL
	tTau	0.78 (0.66–0.89)	72	77	75	245 pg/mL
	pTau	0.81 (0.70–0.92)	76	79	78	23.5 pg/mL
	A β 42/A β 40	0.97 (0.94–1.00)	93	90	91	0.057
	tTau/A β 42	0.96 (0.93–1.00)	86	95	91	0.258
	pTau/A β 42	0.97 (0.93–1.00)	83	100	93	0.026
FBP	A β 42	0.72 (0.51–0.94)	55	97	86	881 pg/mL

tTau	0.79 (0.64–0.95)	91	74	79	213 pg/mL
pTau	0.82 (0.07–0.95)	91	77	81	19.5 pg/mL
A β 42/A β 40	0.82 (0.63–1.00)	73	97	90	0.0646
tTau/A β 42	0.84 (0.65–1.00)	82	94	90	0.184
pTau/A β 42	0.84 (0.65–1.00)	82	94	90	0.015

Abbreviations: A β , β -amyloid; A β 42, β -amyloid (1–42); A β 42/A β 40, β -amyloid (1–42)/ β -amyloid (1–40) ratio; AUC, area under the curve; CI, confidence interval; CSF, cerebrospinal fluid; FBP, ^{18}F -Florbetapir; FLUTE, ^{18}F -Flutemetamol; NAV, ^{18}F -NAV4694; NPA, negative percentage agreement; OPA, overall percentage agreement; PET, positron emission tomography; PiB, ^{11}C -Pittsburgh compound B; PPA, positive percentage agreement; pTau, phosphorylated tau (181P); pTau/A β 42, phosphorylated tau (181P)/ β -amyloid (1–42) ratio; ROC, receiver operating characteristic; tTau, total tau; tTau/A β 42, total tau/ β -amyloid (1–42) ratio