

Supplemental Material

Yamashita K, Miura M, Watanabe S, et al. Fully automated and highly specific plasma β -amyloid immunoassays predict β -amyloid status defined by amyloid PET with high accuracy

Table S1. Logistic regression model of plasma $A\beta_{42}/A\beta_{40}$ ratio combined with APOE $\epsilon 4$ status in the prediction of amyloid PET status.

Figure S1. Logistic regression model of plasma $A\beta_{42}/A\beta_{40}$ ratio combined with APOE $\epsilon 4$ status in the prediction of amyloid PET status.

Figure S2. Performance of plasma $A\beta$ levels in the prediction of amyloid PET status determined by Centiloid unit.

Table S1. Logistic regression model of plasma A β 42/A β 40 ratio combined with *APOE* ϵ 4 status in the prediction of amyloid PET status

	Discovery			Validation		
	Estimate	SE	<i>P</i> value	Estimate	SE	<i>P</i> value
Intercept	25.05	3.889		12.71	2.031	
A β 42/A β 40	-253.4	39.16	< 0.001	-129.3	19.94	< 0.001
<i>APOE</i> ϵ 4 status	1.446	0.5350	< 0.01	0.4594	0.3789	0.2253

Amyloid PET status was predicted by plasma A β 42/A β 40 ratio and *APOE* ϵ 4 status (*APOE* ϵ 4 positive or negative) as predictors in logistic regression model. Amyloid PET status was determined by visual read method.

Abbreviations: A β , β -amyloid; *APOE*, Apolipoprotein E; SE, standard error; PET, Positron Emission Tomography

Figure S1

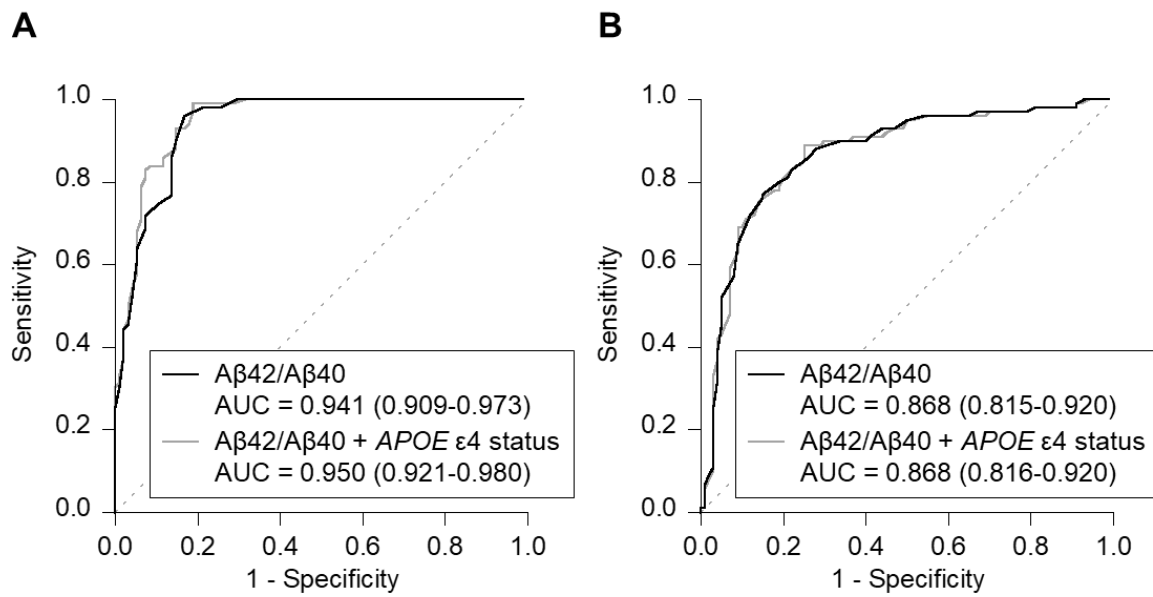


Figure S1. Logistic regression model of plasma A β 42/A β 40 ratio combined with *APOE* ϵ 4 status in the prediction of amyloid PET status. Receiver operating characteristic (ROC) analyses for A β 42/A β 40 ratio and the model including *APOE* ϵ 4 status in (A) discovery (n = 194) and (B) validation (n = 200) studies. The area under the curves (AUCs) are described with 95% confidence intervals. Amyloid PET status was determined by visual reads.

Figure S2

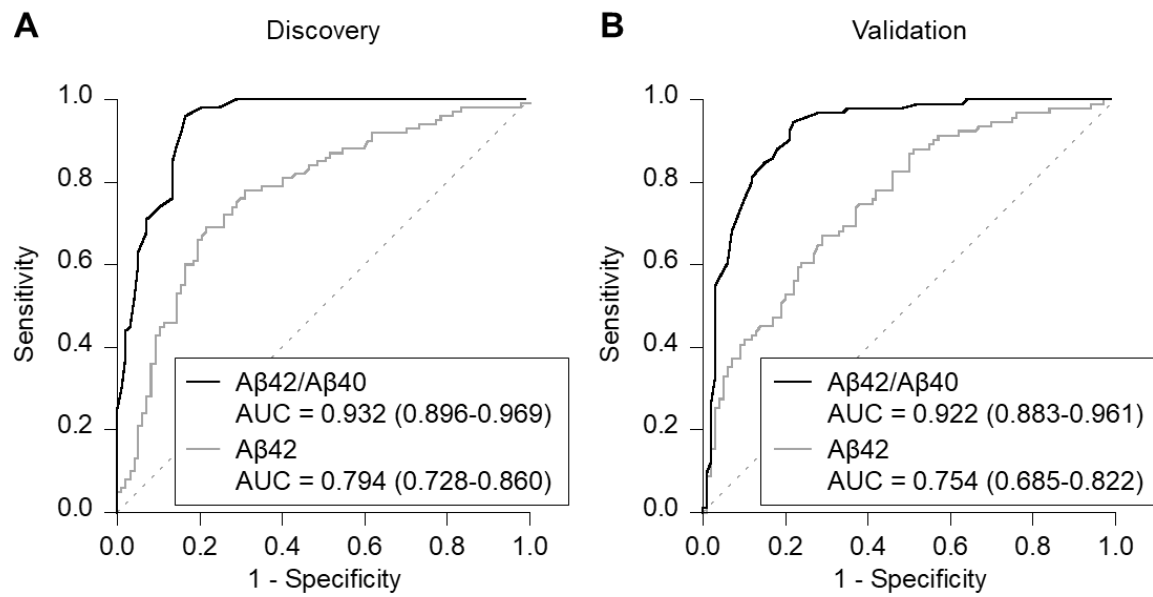


Figure S2. Performance of plasma A β levels in the prediction of amyloid PET status determined by Centiloid unit. Receiver operating characteristic (ROC) analyses for plasma A β 42 and A β 42/A β 40 ratio in (A) discovery (n = 180) and (B) validation (n = 191) studies. The area under the curves (AUCs) are described with 95% confidence intervals. Amyloid PET status was determined by Centiloid unit.