

## Supplementary Material

**Table S1.** The comparisons of CSF biomarkers diagnostic accuracy.

	MCI $\epsilon$ 4+	AD $\epsilon$ 4-	AD $\epsilon$ 4+
Variables		GAP-43	
A $\beta$ 42	$P < 0.001$	0.023	$P < 0.001$
T-tau	$P < 0.001$	$P < 0.001$	$P < 0.001$
P-tau	$P < 0.001$	0.047	$P < 0.001$
Variables		GAP-43 and A $\beta$ 42	
T-tau and A $\beta$ 42	0.007	0.012	0.028
P-tau and A $\beta$ 42	0.071	0.905	0.127

CSF: cerebrospinal fluid; CN: cognitively normal; MCI: mild cognitive impairment; AD: Alzheimer's disease; GAP-43: growth-associated protein 43; A $\beta$ : amyloid- $\beta$ ; T-tau: total tau; P-tau: phosphorylated tau.