

Table S1. Correlation (r) between MRI Fazekas scale and P2X7R levels or %TNAP activity for each diagnostic group.

MRI Fazekas vs.	Control	MCI	AD
P2X7R levels	r=-0.143 p(two tailed)=0.514 (ns)	r=-0.123 p(two tailed)=0.634 (ns)	r=0.156 p(two tailed)=0.563 (ns)
%TNAPactivity	r=-0.225 p(two tailed)=0.302 (ns)	r=0.167 p(two tailed)=0.516 (ns)	r=0.209 p(two tailed)=0.434 (ns)

Nonparametric Spearman correlation (r) computed between two selected data sets.

Table S2. Correlation (r) between neuropsychological tests and P2X7R levels or %TNAP activity for control and MCI group.

MMSE vs.	Control	MCI
P2X7R levels	r=-0.095 p(two tailed)=0.680 (ns)	r=0.594 p(two tailed)=0.028 (*)
%TNAPactivity	r=0.136 p(two tailed)=0.558 (ns)	r=0.132 p(two tailed)=0.651 (ns)
FAQ vs.	Control	MCI
P2X7R levels	r=-0.156 p(two tailed)=0.500 (ns)	r=-0.395 p(two tailed)=0.162 (ns)
%TNAPactivity	r=-0.110 p(two tailed)=0.634 (ns)	r=-0.453 p(two tailed)=0.105 (ns)
CDT vs.	Control	MCI
P2X7R levels	r=-0.262 p(two tailed)=0.251 (ns)	r=0.247 p(two tailed)=0.392 (ns)
%TNAPactivity	r=0.093 p(two tailed)=0.688 (ns)	r=-0.056 p(two tailed)=0.848 (ns)
GDS vs.	Control	MCI
P2X7R levels	r=-0.340 p(two tailed)=0.131 (ns)	r=-0.232 p(two tailed)=0.421 (ns)
%TNAPactivity	r=0.107 p(two tailed)=0.644 (ns)	r=0.744 p(two tailed)=0.003(**)

Nonparametric Spearman correlation (r) computed between two selected data sets.

* $p < 0.05$, ** $p < 0.01$.