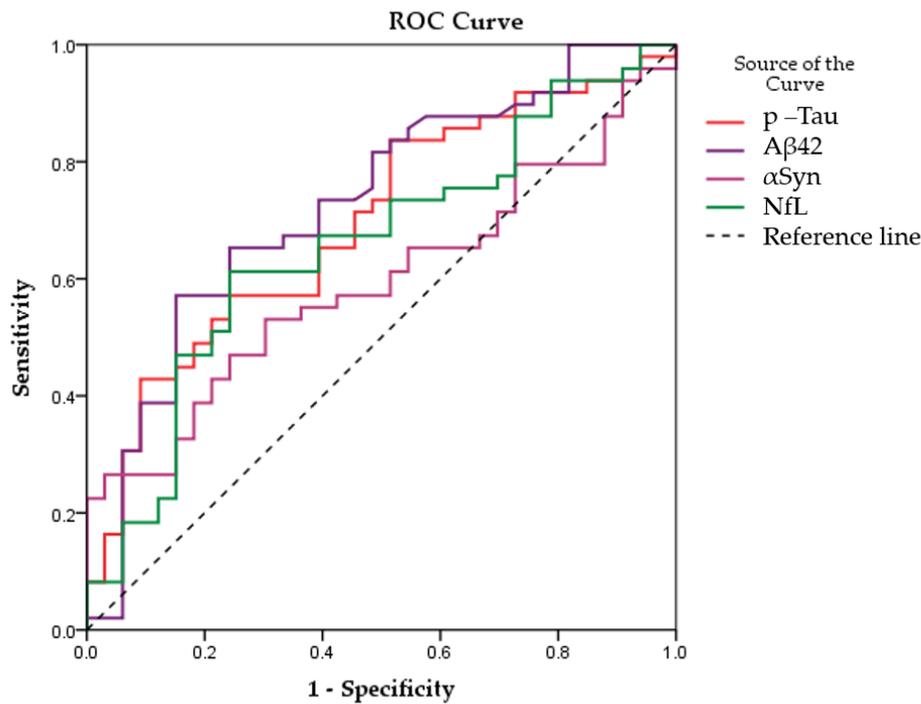


Figure S1. ROC curve analysis of plasma misfolded proteins. Discrimination of PD and normal groups by p-Tau (pg/ml), A β 42 (pg/ml), α Syn (fg/ml) and NfL (pg/ml).



	p-Tau	A β 42	α Syn	NfL
Cutoff-value	23.795	16.860	137.340	10.555
Sensitivity	0.429	0.571	0.265	0.612
Specificity	0.909	0.848	0.970	0.758
AUC	0.724	0.764	0.618	0.657
p	<0.001*	<0.001*	0.058	0.017*

Abbreviations: ROC curve (Receiver operating characteristic curve), p-Tau (phosphorylated-Tau), A β 42 (amyloid β -42), α Syn (α -synuclein), NfL (neurofilament light chain)

* Indicates $p < 0.05$

We performed ROC curve analysis to evaluate plasma levels of p-Tau, A β 42, α Syn and NfL in PD and normal groups. The cut-off value was chosen according to the maximum Youden's index (sensitivity + specificity-1). Statistical analysis was performed using SPSS version 20. The cut-off value for p-Tau is 23.795 pg/ml (sensitivity=42.9%, specificity= 90.9%, AUC= 0.724, $p < 0.001$), 16.860 pg/ml for A β 42 (sensitivity=57.1%, specificity= 84.8%, AUC= 0.764, $p < 0.001$), 137.340 fg/ml for α Syn (sensitivity=26.5%, specificity= 97%, AUC= 0.618, $p = 0.058$), and 10.555 pg/ml for NfL (sensitivity=61.2%, specificity= 75.8%, AUC= 0.657, $p = 0.017$).