Supplementary Table 1. Model performance training for Parkinson's disease classification

Model performance		LR		NB		RF	
		AUC	ACC	AUC	ACC	AUC	ACC
Finger tapping							
Single hand (unilateral)l	Amplitude_mean	0.545	0.538	0.399	0.461	0.476	0.482
	Amplitude_std	0.351	0.405	0.355	0.438	0.471	0.481
	Speed	0.550	0.535	0.569	0.518	**0.673**	**0.614**
	Fatigue	0.369	0.415	0.521	0.468	0.503	0.497
Two-hands (bilateral)	Amplitude_mean	**0.634**	**0.567**	0.506	0.531	0.402	0.44
	Amplitude_std	0.346	0.401	0.434	0.479	0.359	0.401
	Speed	0.427	0.465	0.433	0.409	0.528	0.509
	Fatigue	0.597	0.588	0.532	0.536	0.522	0.509
Hand movements							
Single hand (unilateral)l	Amplitude_mean	0.427	0.435	0.320	0.365	0.291	0.324
	Amplitude_std	**0.663**	**0.675**	**0.651**	**0.620**	**0.615**	**0.567**
	Speed	**0.705**	**0.646**	0.526	0.520	0.558	0.567
	Fatigue	0.352	0.379	0.547	0.517	0.462	0.454
Two-hands (bilateral)	Amplitude_mean	0.576	0.582	**0.616**	**0.575**	0.389	0.43
	Amplitude_std	**0.679**	**0.675**	**0.640**	**0.617**	0.593	0.595
	Speed	0.482	0.529	0.467	0.455	0.518	0.513
	Fatigue	**0.715**	**0.637**	**0.729**	**0.629**	**0.738**	**0.651**
Pronation-supination movement of the hands							
Single hand (unilateral)l	Amplitude_mean	**0.692**	**0.636**	0.587	0.525	0.553	0.535
	Amplitude_std	**0.793**	**0.709**	**0.807**	**0.745**	**0.807**	**0.715**
	Speed	0.486	0.507	0.467	0.469	0.481	0.507
	Fatigue	0.497	0.514	**0.620**	**0.561**	0.449	0.444
Two-hands (bilateral)	Amplitude_mean	0.486	0.494	0.437	0.464	**0.605**	**0.603**
	Amplitude_std	0.590	0.545	0.525	0.556	0.489	0.495
	Speed	0.340	0.385	0.533	0.560	0.409	0.444
	Fatigue	0.594	0.573	**0.617**	**0.565**	**0.786**	**0.732**

Classification results of the combined right and left motor features for Parkinson's disease classification prediction. The training of the model was made using three classifiers: Logistic regression (LR), Gaussian Naïve-Bayes (NB) and Random Forest (RF). Features with cross-validation AUC > 0.6 are highlighted in bold. Units: Normalized amplitude[0-1] for finger tapping and hand movements; Amplitude (degrees) for pronation supination for amplitude features.Time (frames), for speed in all tasks. AUC, cross-validation area under curve; ACC; accuracy