

S8 Table: Validation of models in clinically labeled segments (dyskinesia)

Subject ID	ROC BEAT-PD		Yuanfang Guan		HaProzdor		dbmi	
	Correlation	P-value*	Correlation	P-value	Correlation	P-value	Correlation	P-value
1004	-0.231	0.986	-0.371	1.000	-0.131	0.890	-0.306	0.998
1020	-0.299	0.861	NA*	NA	NA	NA	NA	NA
1023	0.107	0.138	-0.034	0.634	NA	NA	0.075	0.224
1039	0.115	0.121	0.015	0.438	0.047	0.318	-0.011	0.541
1043	0.068	0.245	-0.229	0.990	NA	NA	0.051	0.301
1048	0.286	0.003	0.118	0.136	NA	NA	0.290	0.004
1049	0.049	0.321	-0.076	0.762	-0.155	0.929	-0.004	0.513
Meta-Analysis***		0.035		0.850		0.849		0.082

* One-sided p -values reported

** NA indicates that a model could not produce a prediction for this individual or that the prediction was constant for all segments

*** Unadjusted p -value