

Additional file 7. Model performance in the training (cross-validation) set for baseline FVC % predicted, DL_{CO} % predicted and CPI.

	FVC % predicted		DL_{CO} % predicted		CPI	
	RMSE	R²	RMSE	R²	RMSE	R²
PLS	11.43	0.16	11.43	0.16	11.11	0.11
PLR	16.60	0.07	14.39	0.11	11.16	0.11
SVM	16.33	0.07	14.23	0.11	11.03	0.12
KNN	16.51	0.05	14.83	0.04	11.23	0.10
RPART	16.67	0.07	14.68	0.06	10.94	0.13
RF	16.32	0.07	14.02	0.12	10.95	0.12

KNN, K-nearest neighbors; PLR, penalized logistic regression; PLS, partial least squares; RF, random forests; RMSE, root mean squared error; RPART, recursive partitioning; SVM, support vector machines.