

Additional file 8. Model performance in the test set for baseline FVC % predicted, DL_{CO} % predicted and CPI.

	FVC % predicted		DL _{CO} % predicted		CPI	
	RMSE	R ²	RMSE	R ²	RMSE	R ²
PLS	26.19	0.02	16.70	<0.01	9.61	<0.01
PLR	15.51	0.06	11.74	<0.01	9.63	0.01
SVM	16.10	<0.01	10.48	<0.01	8.99	0.04
KNN	15.94	<0.01	11.11	0.06	8.93	0.04
RPART	16.66	<0.01	10.59	0.06	9.89	<0.01
RF	16.40	<0.01	10.72	0.05	9.35	0.01

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.