

Table S3. Performance comparison of different methods in PI analysis.

	Accuracies of classification model ^a	
Co-purification measure ^b	Logistic regression model	Naive Bayes model
Zhang measure ^c	0.85 ^e (0.82 ^f)	0.82 (0.81)
de Lichtenberg measure ^d	0.82 (0.80)	0.79 (0.76)

^a The accuracies were calculated based on five-fold cross-validation procedure.

^b This is the covariate X_{ij}^1 used in the logistic regression model of Section **Confidence evaluation of PI** in Protocol S3.

^c This is the method developed by Zhang et al. (2008) in Section **Confidence evaluation of PI** in Protocol S3.

^d This is the method developed by de Lichtenberg et al. (2005) in Section **Confidence evaluation of PI** in Protocol S3.

^e Accuracy based on LCMS data.

^f Accuracy based on MALDI data.