Supplementary Figure 2. Comparative performance analysis on *in silico* simulated data. The comparison is carried out on 100 simulated dataset of a complex tissue generated at random by mixing profiles of immune cell types (Methods). Accuracy of predictions (y axis) are presented for two candidate penalty methods, elastic net (Zou & Hastie, 2005) and lasso (Tibshirani, 1996), as well as non-regularized regression (x axis). Accuracy is evaluated as correlation among predicted and ‘true’ relative cell quantities, indicating that the elastic net component of penalty outperforms alternative methods.