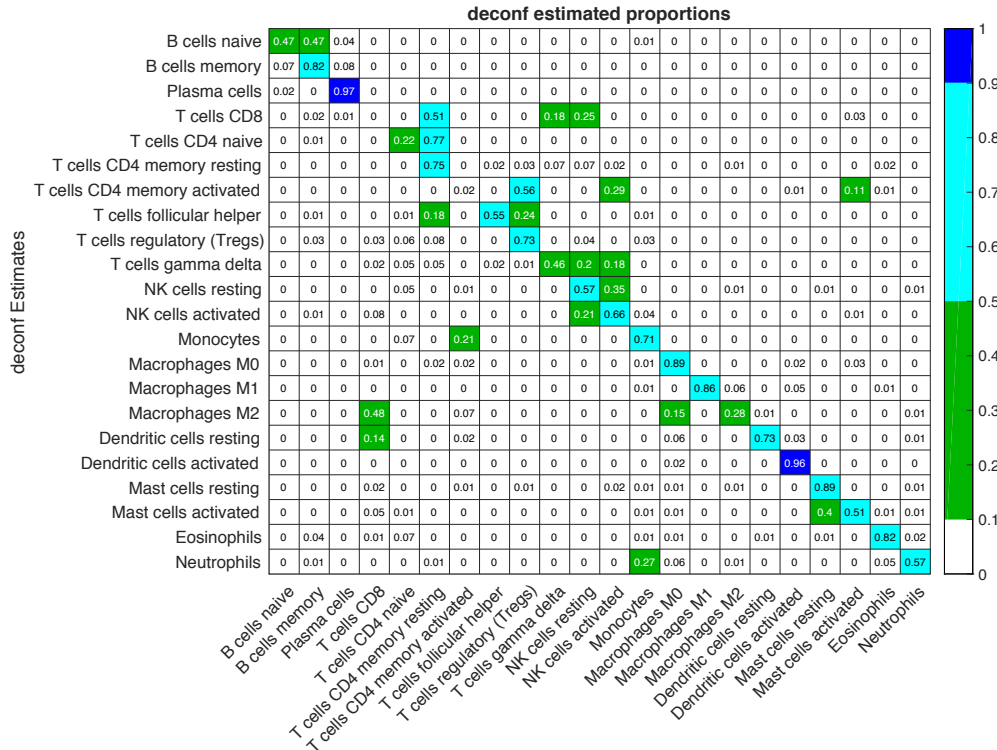
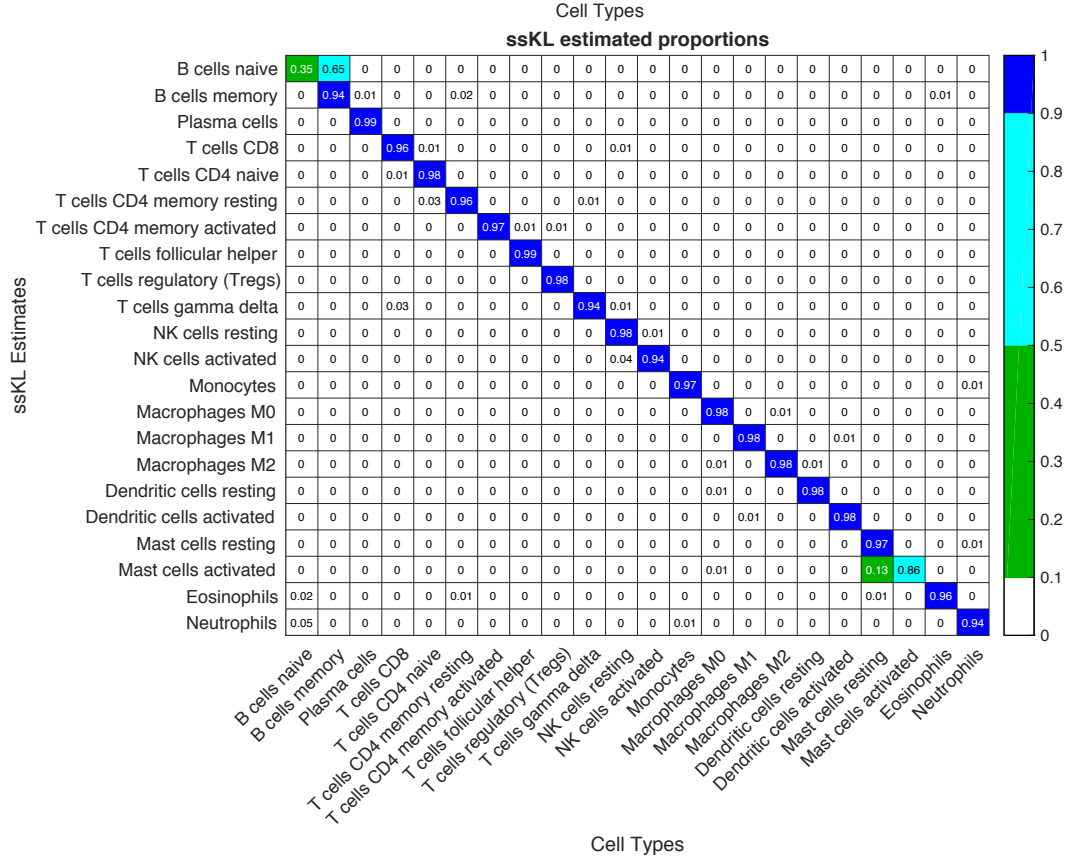


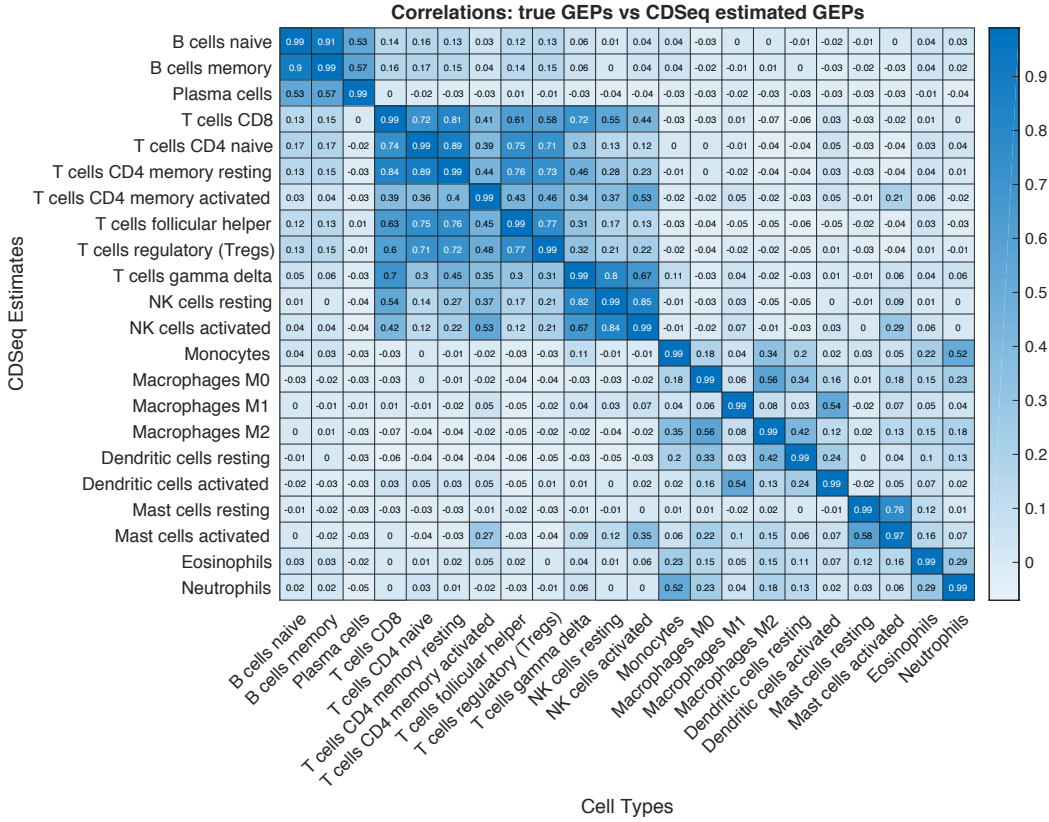
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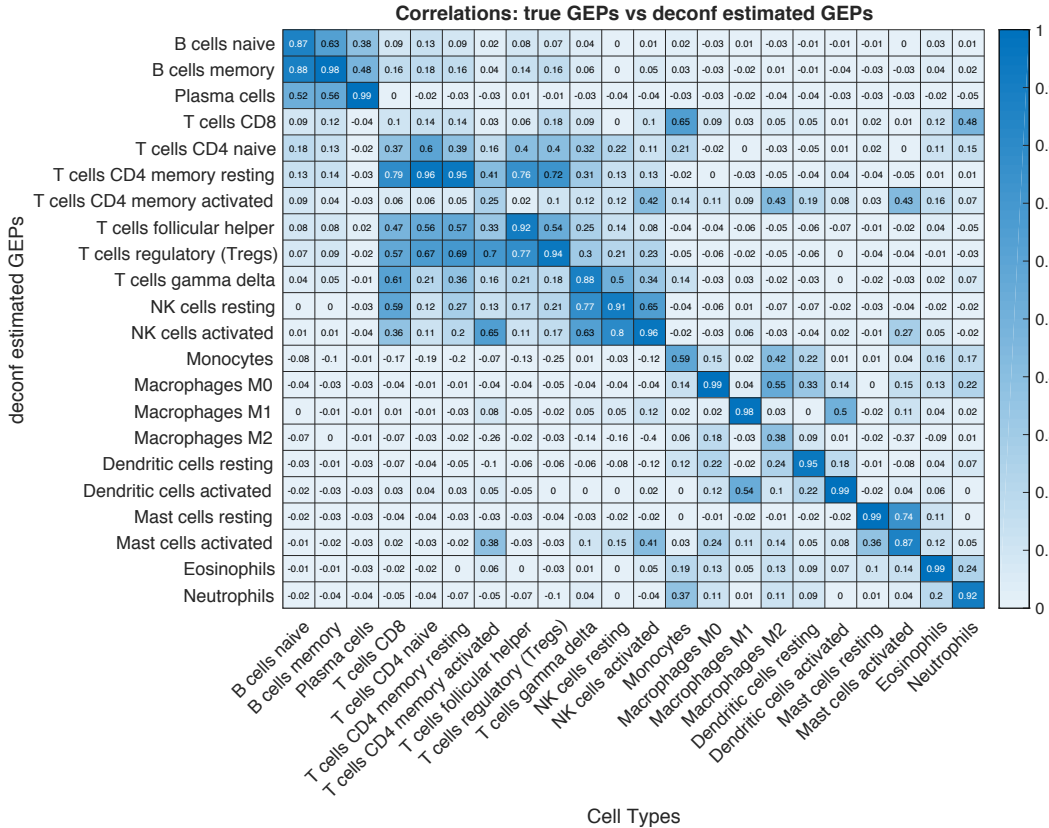
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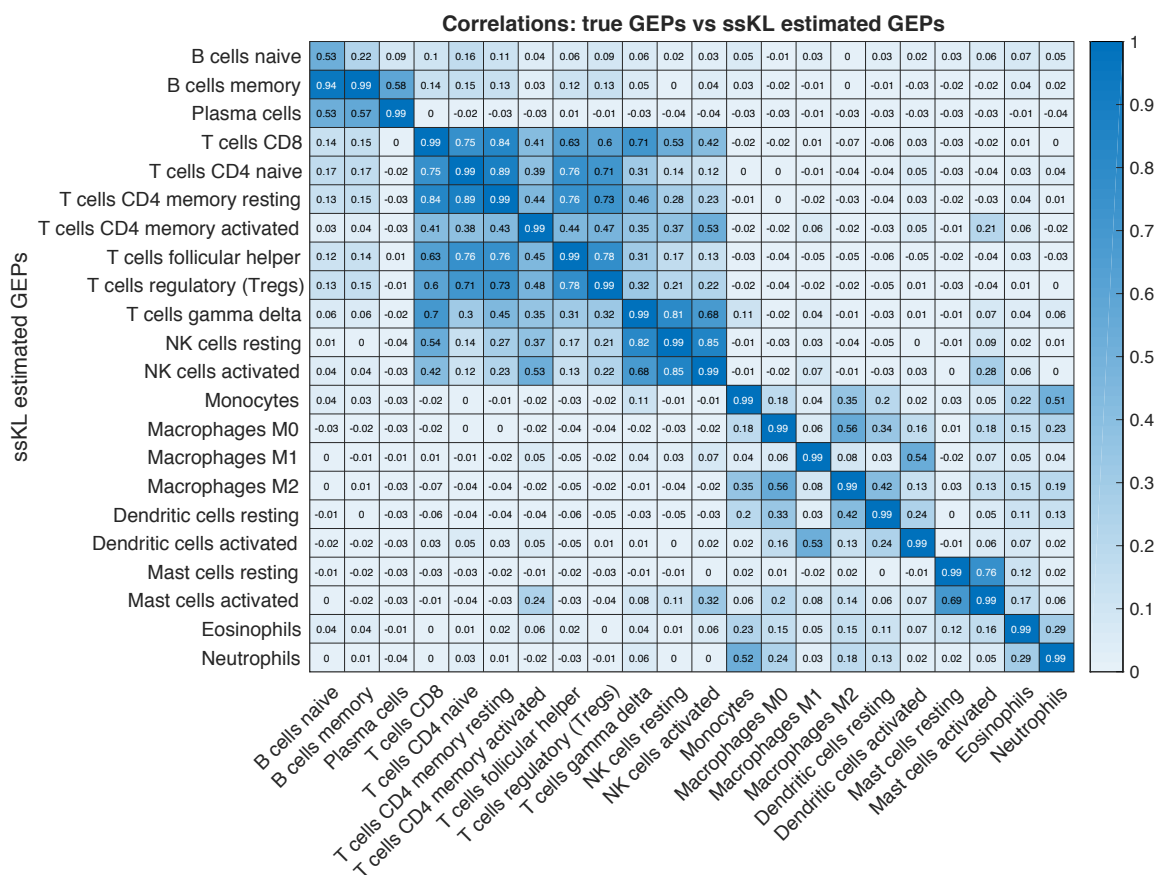
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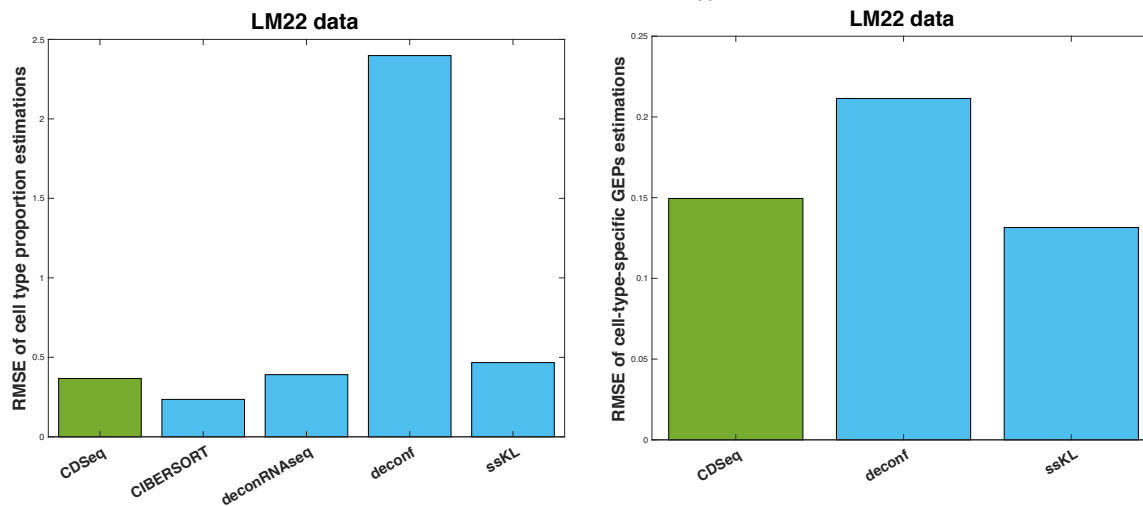
F



G



H



S4 Fig. Deconvolution of 22 leukocyte subtypes (LM22) data set. (A) Heatmap of CDSeq-estimated proportions of LM22 dataset. Each column represents a cell type in LM22 and the number at each row denotes the proportion of the corresponding cell type. The sums of proportions along the rows are not always equal to 1 owing to the fact that we rounded off all the proportions to 2 decimal places for better visual presentation. The proportions are largely, but not exclusively, dominated by a single cell type, indicating the accuracy of estimated proportions. (B) Heatmap of CIBERSORT-estimated proportions; (C) Heatmap of deconf-estimated proportions; (D) Heatmap of ssKL-estimated proportions; (E) Correlations of CDSeq-estimated GEPs versus true GEPs; (F) Correlations of deconf-estimated GEPs versus true

GEPs; (G) Correlations of ssKL-estimated GEPs versus true GEPs. (H) RMSEs of SSP estimations (left panel) and RMSEs of csGEPs estimations (right panel).