



**Figure. S13: The inferred activities before and after partially removing ChIP-seq datasets**

Inferred CEBPA activities in the blood cell development dataset using all available ChIP-seq data (**A**) or only ChIP-seq data derived from non-blood cells (**B**). Inferred PAX5 activities in the *Tabula Muris* lung dataset using all available ChIP-seq data (**C**) or only ChIP-seq data derived from non-B cells (**D**). Inferred NEUROD1 activities in the *Tabula Muris* Brain dataset using all ChIP-seq data (**E**) or only ChIP-seq data without pituitary tumor ChIP-seq results (**F**).