

Figure. S21: The posterior distribution of $1/\sigma_k$ and weights:

A, Boxplot of posterior mean of $1/\sigma_k$ for every TF in the *Tabula Muris* lung dataset. **B**, The posterior distribution of $1/\sigma_k$ for GATA3-target pairs. **C**, The posterior distribution of $1/\sigma_k$ for CEBPA-target pairs. **D**, Boxplot of posterior mean of weights for TAL1 target gens in the *Tabula Muris* lung dataset. **E**, The prior and posterior distributions of weight between *lcam2* and TAL1. **F**, The prior and posterior distributions of weight between *Sdpr* and TAL1.

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