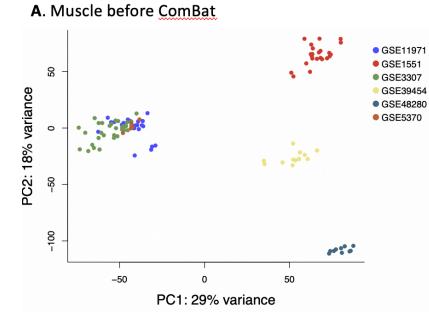
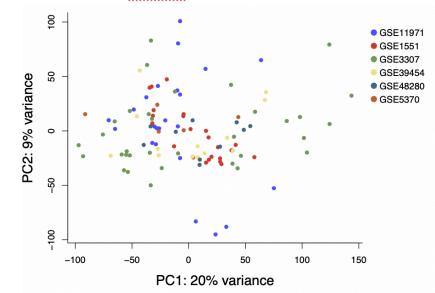
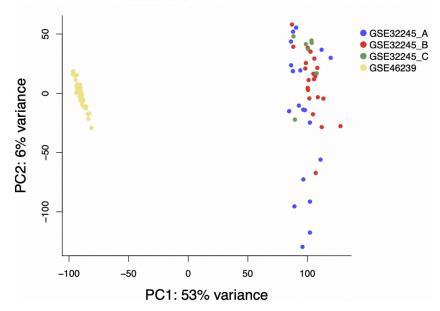
Supplementary Figure 1: PCA plots of gene expression data before and after cross-study normalization with ComBat



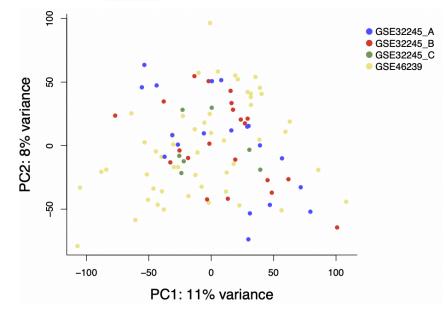
B. Muscle after ComBat

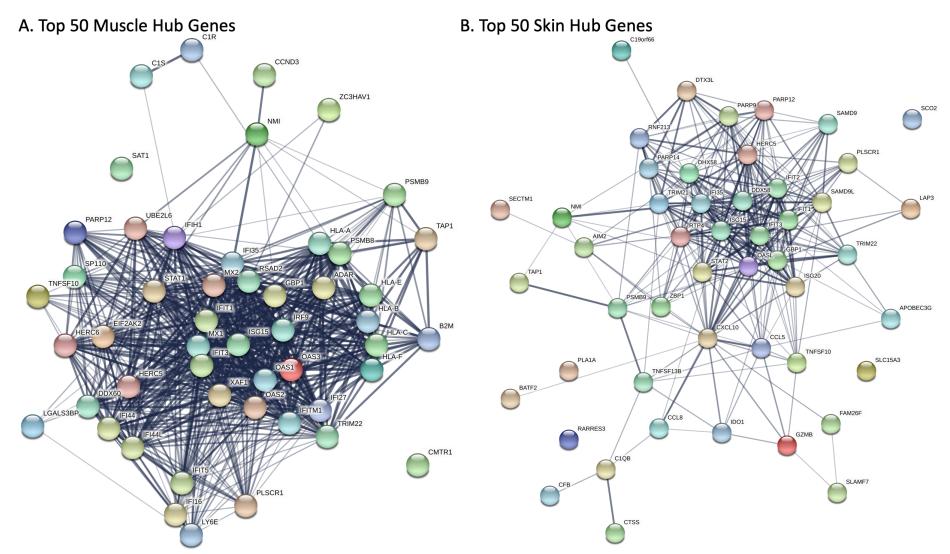


C. Skin before ComBat



D. Skin after ComBat





Supplementary Figure 2: Protein-protein interactions between the hub genes identified in the muscle and skin networks, respectively, using the STRING database. Nodes indicate proteins encoded by hub genes and edges represent interactions where the width of the line corresponds to the confidence of this interaction based on existing experimental evidence in the database.