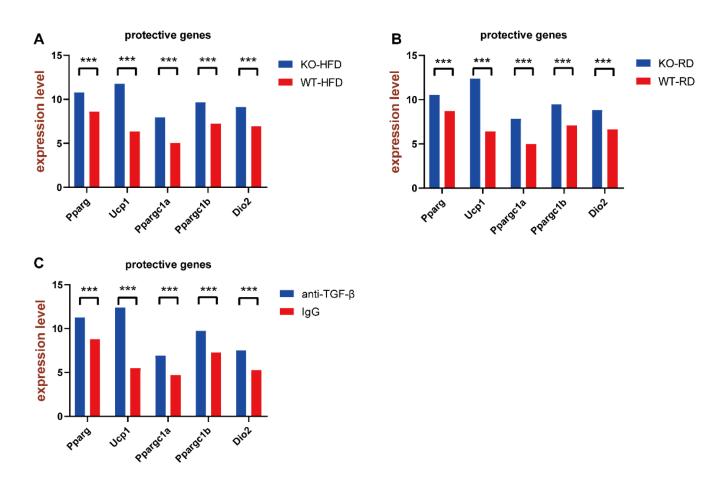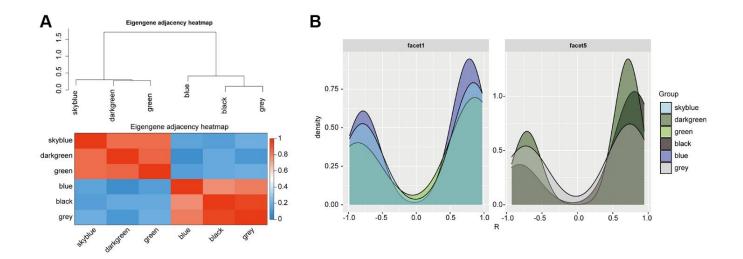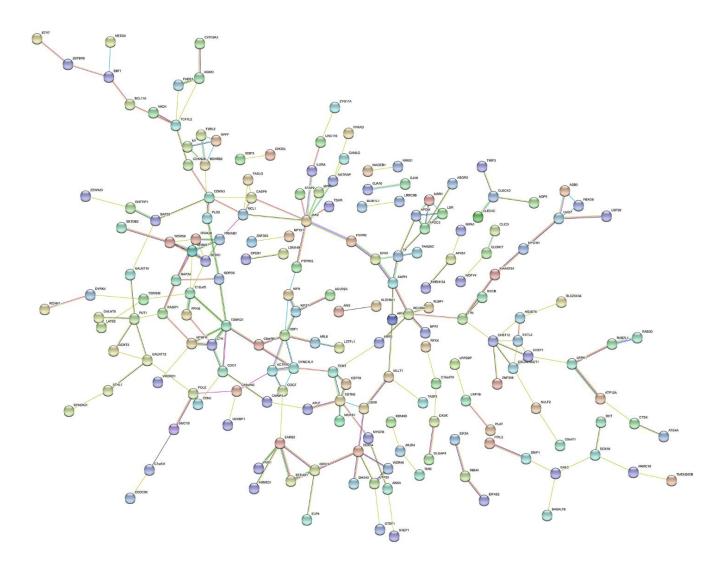# SUPPLEMENTARY FIGURES

Supplementary Figure 1. The expression of typical genes that are beneficial to improving insulin resistance. (**A**) The expression of PGC-1α, PGC-1β, DIO2, UCP1, and PRARγ between KO-HFD and WT-HFD group. (**B**) The expression of PGC-1α, PGC-1β, DIO2, UCP1, and PRARγ between KO-RD and WT-RD group. (**C**) The expression of PGC-1α, PGC-1β, DIO2, UCP1, and PRARγ between anti-TCGA-β and IgG group.

Supplementary Figure 2. The clustering relationship between the WGCNA module and the module (**A**) and the correlation coefficient distribution between the module and the gene expression within the module (**B**).

Supplementary Figure 3. PPI network.