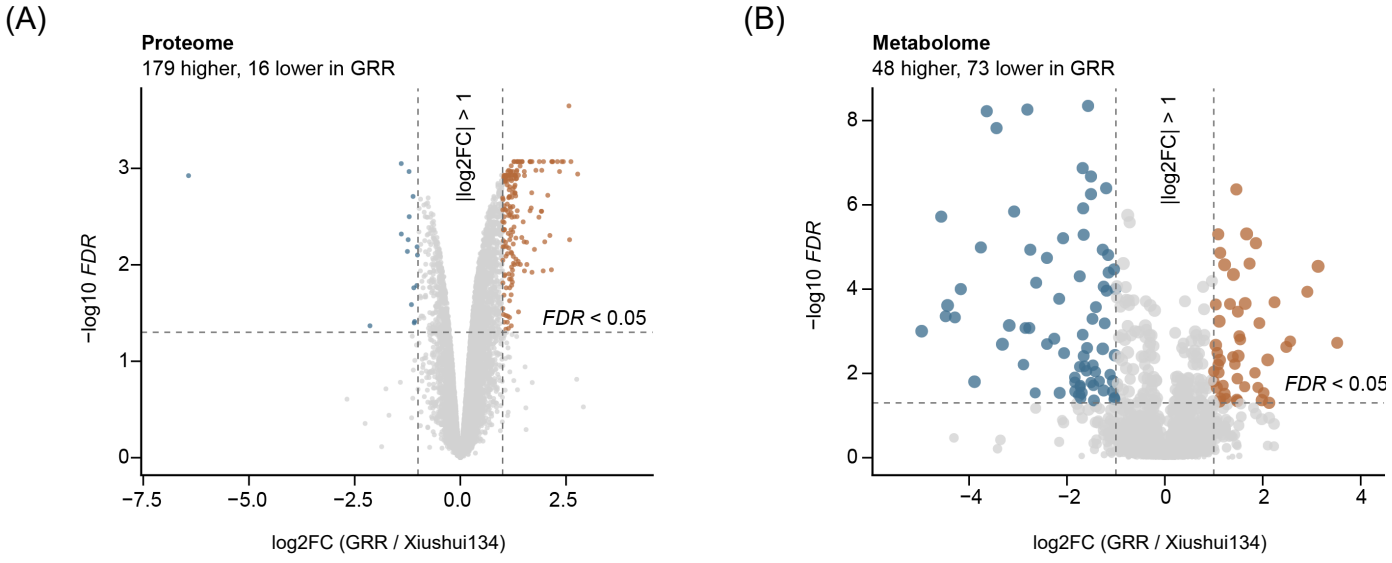


**Supplementary Figure S2**

Volcano plots showing proteomic and metabolomic changes in GRR compared with Xiushui 134. Differentially expressed proteins were defined as those with adjusted *P* value < 0.05 and $|\log_2 FC| \geq 1$. Differential metabolites were defined as those with *FDR* < 0.05 and $|\log_2 FC| \geq 1$.