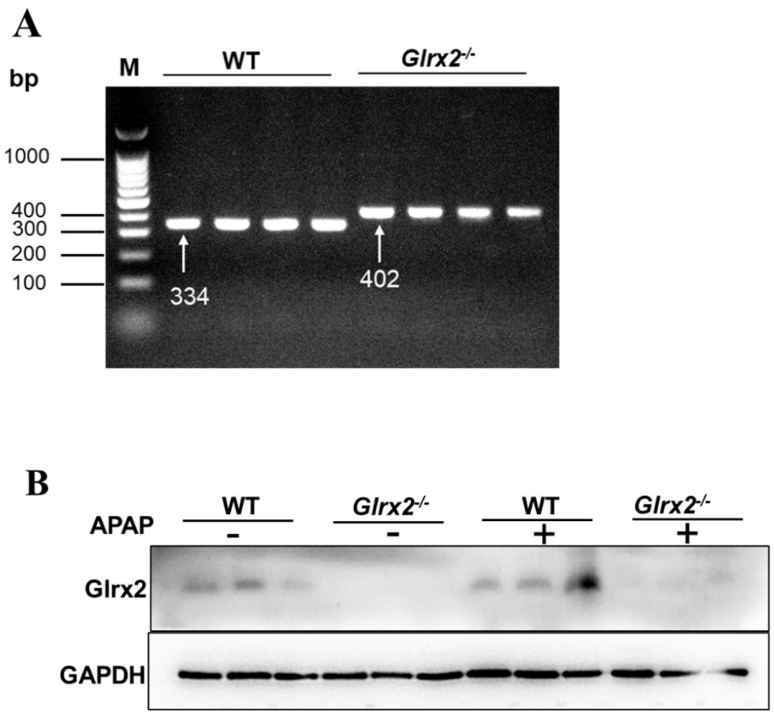


Figure S1 Identification of *Glrx2* knockout mice and the effect of APAP on the expression of Grx2 in mouse liver. (A) genotyping, *n*=4. (B) Grx2 protein expression in liver from mice with or without APAP treatment for 24 h, *n*=3.

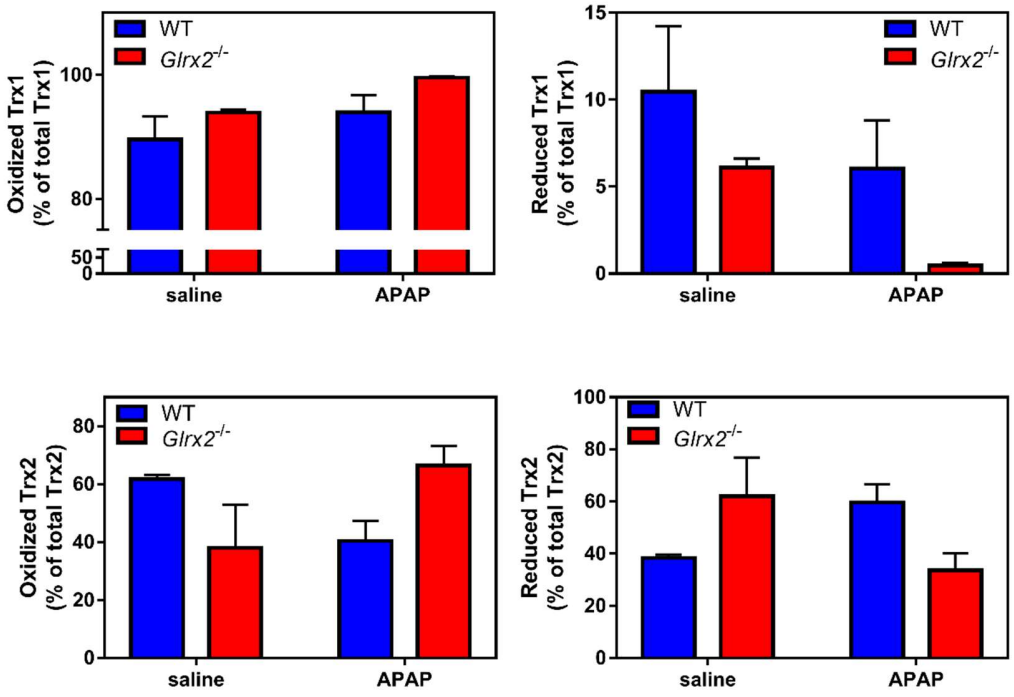


Figure S2 Quantification of Trx1/2 redox state. The amount of oxidized and reduced Trx1/2 in mice liver was quantified by Image J (*n*=3).

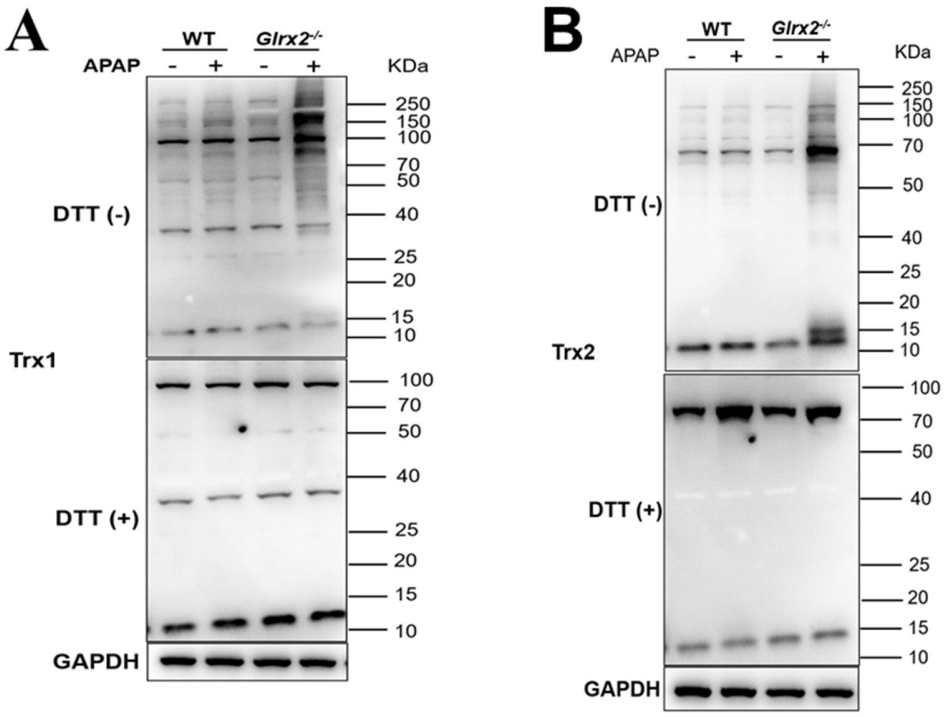


Figure S3 *Glrx2* knockout enhanced Trxs oxidation in liver from the mice exposed to APAP for 6 h. *n*=3, a representative one is shown. GAPDH as the loading control.