

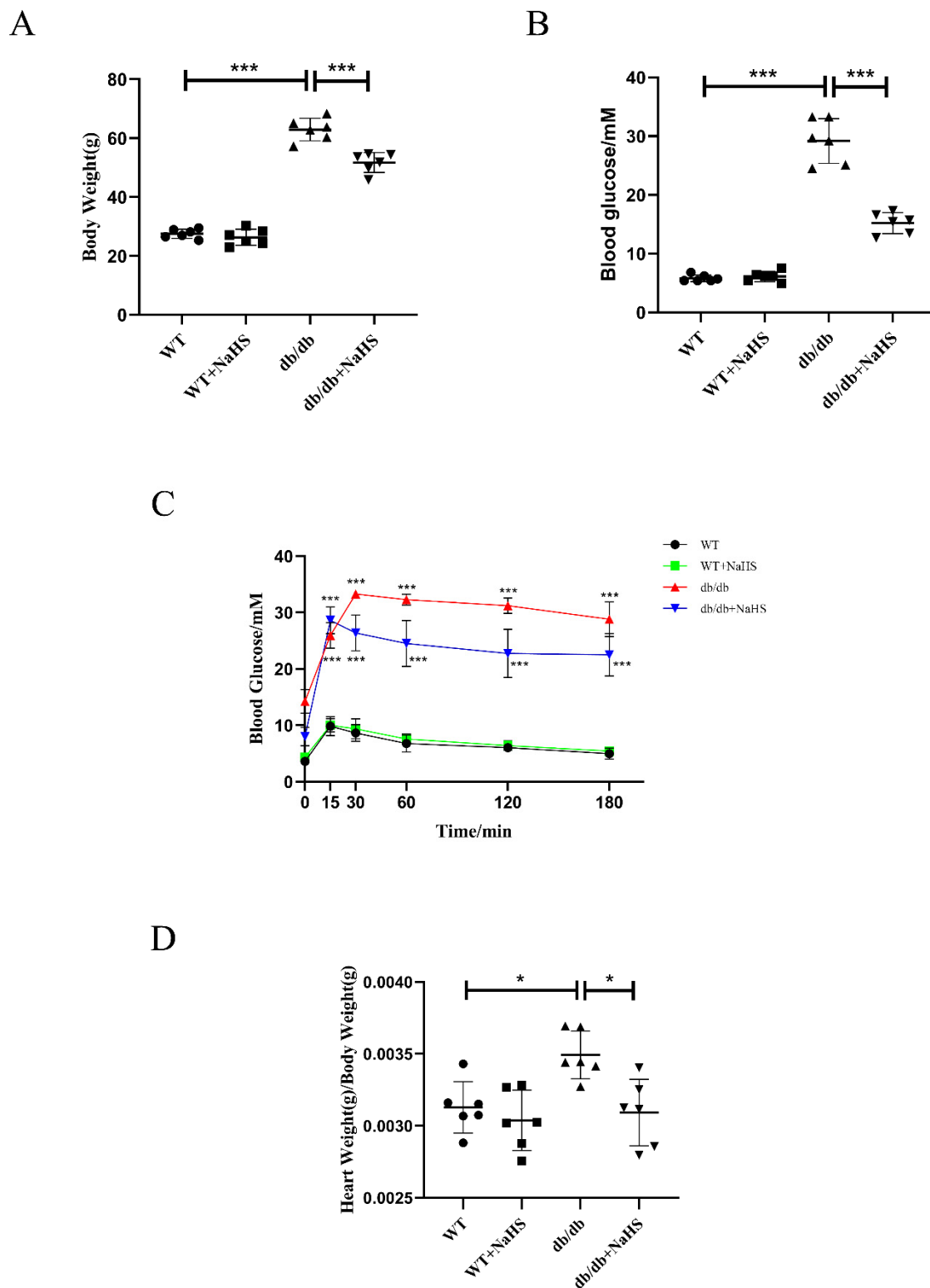
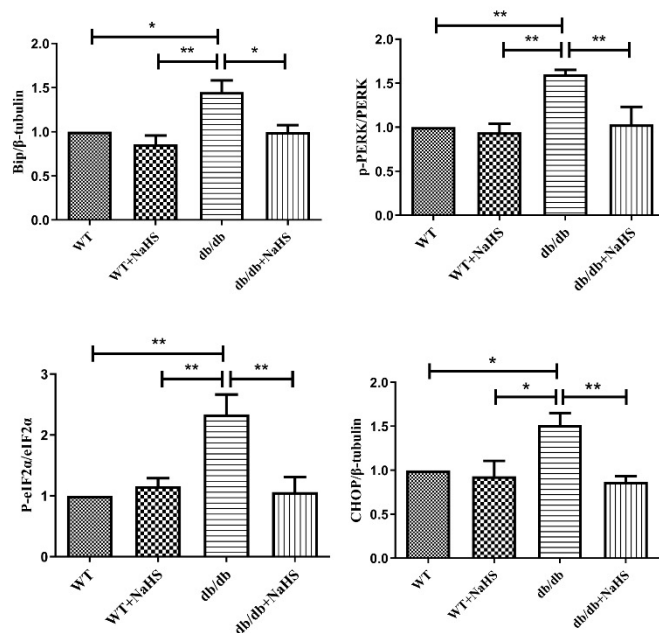
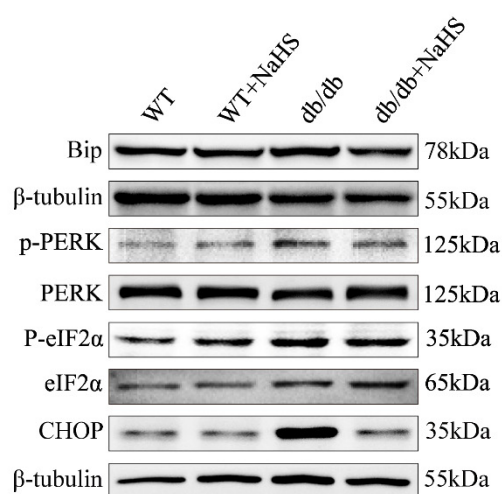


Figure S1. Characterization of the experimental animal models.

(A) The body weight of db/db mice in 26-week-treated db/db mice ($n=6$). (B) The blood glucose concentration of db/db mice in 26-week-treated db/db mice ($n=6$). (C) Intraperitoneal glucose tolerance test on four groups of mice, and injected with 2 g glucose/kg ($n=4$). (D) The ratio of heart weight/body weight in db/db mice ($n=6$).

* $p < 0.05$, *** $p < 0.001$.

A



B

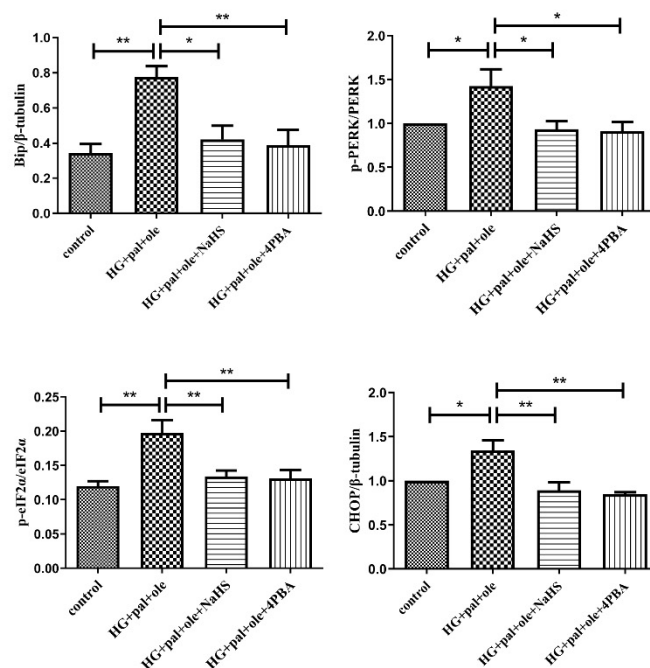
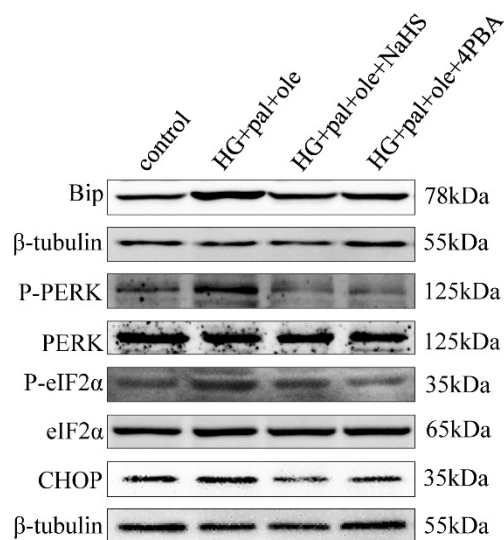


Figure S2. Exogenous H₂S ameliorates endoplasmic reticulum stress in db/db mice

(A) The expression level of ER stress associated protein was detected by Western blotting in db/db mice. (B)

The expression level of ER stress associated protein was detected by Western blotting in NRCMs.

* $p < 0.05$, ** $p < 0.01$.