



SUPPLEMENTARY FIG. S14. Effects of *Nrf1* silencing on *Hk1* mRNA expression, glucose metabolism, and insulin secretion in β -TC6 cells. (A) mRNA expression of *Nrf1* and *Hk1* in *Nrf1*-KD and Scramble cells. *Nrf1*-KD, cells were stably transduced with an shRNA against all isoforms of *Nrf1* as shown in Supplementary Figure S1; Scramble cells transduced with nontarget negative control shRNA; * $p < 0.05$ versus Scramble cells. $n = 3$. (B) Representative image of acidification of culture media in *Nrf1*-KD cells. Confluent cells were cultured in normal growth media for 48 h, followed by image scanning with a HP scanjet G4050. (C) Insulin secretion. Glu, glucose; KCl, potassium chloride; $n = 6$. * $p < 0.05$ versus Scramble with 3 mM Glu.