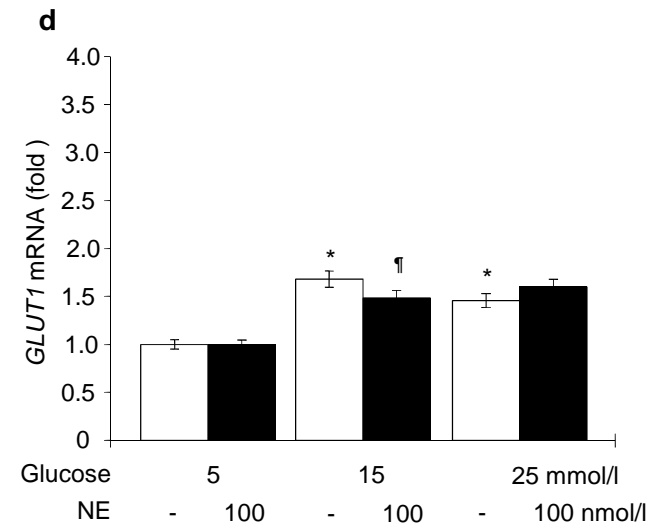
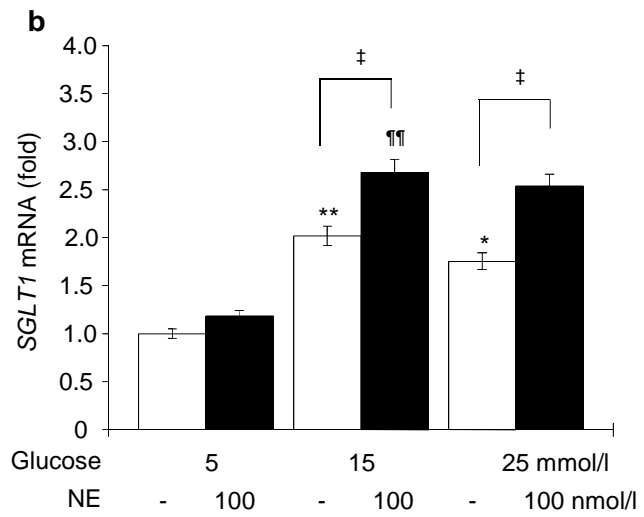
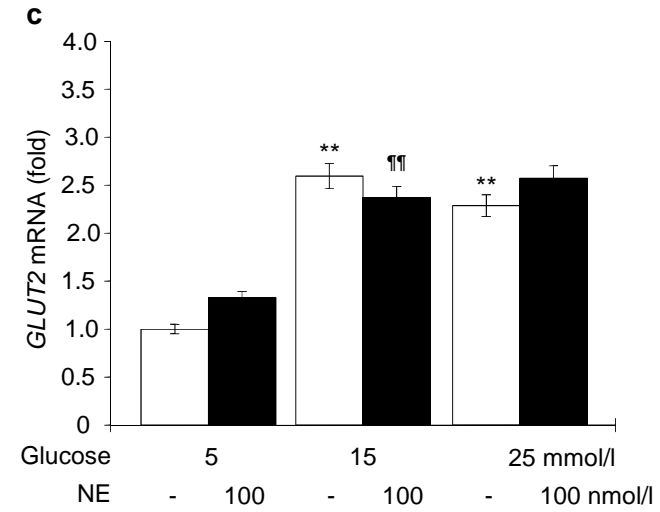
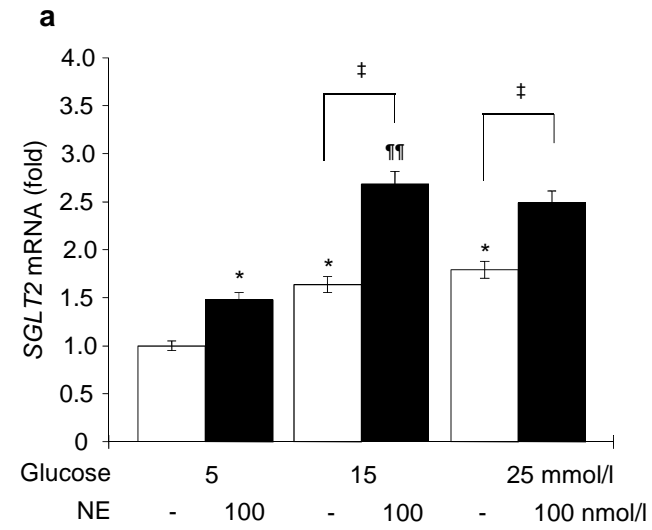


ESM Fig. 6.



ESM Fig. 6. Effects of high glucose and norepinephrine (NE) on glucose transporter gene expression in human kidney proximal tubule epithelial cells (HK2). **a**, Treatment with high glucose for 24 hours upregulated *SGLT2* mRNA expression, which was further enhanced by exposure to NE. **b**, *GLUT2* mRNA expression was also upregulated by high glucose treatment, however the addition of NE for 24 h did not significantly alter such values. **c**, Treatment with high glucose for 24 h upregulated *SGLT1* mRNA expression, which was further enhanced by exposure to NE. **d**, *GLUT1* mRNA expression tended to be upregulated by high glucose treatment. However, the addition of NE for 24 h did not significantly alter these values. Data are expressed as the relative difference in expression compared with 5 mmol/l glucose after normalization for β -actin expression. * $p < 0.05$, ** $p < 0.01$ vs. 5 mmol/l glucose; † $p < 0.05$, †† $p < 0.01$ vs. 5 mmol/l glucose+NE. ‡ $p < 0.05$.