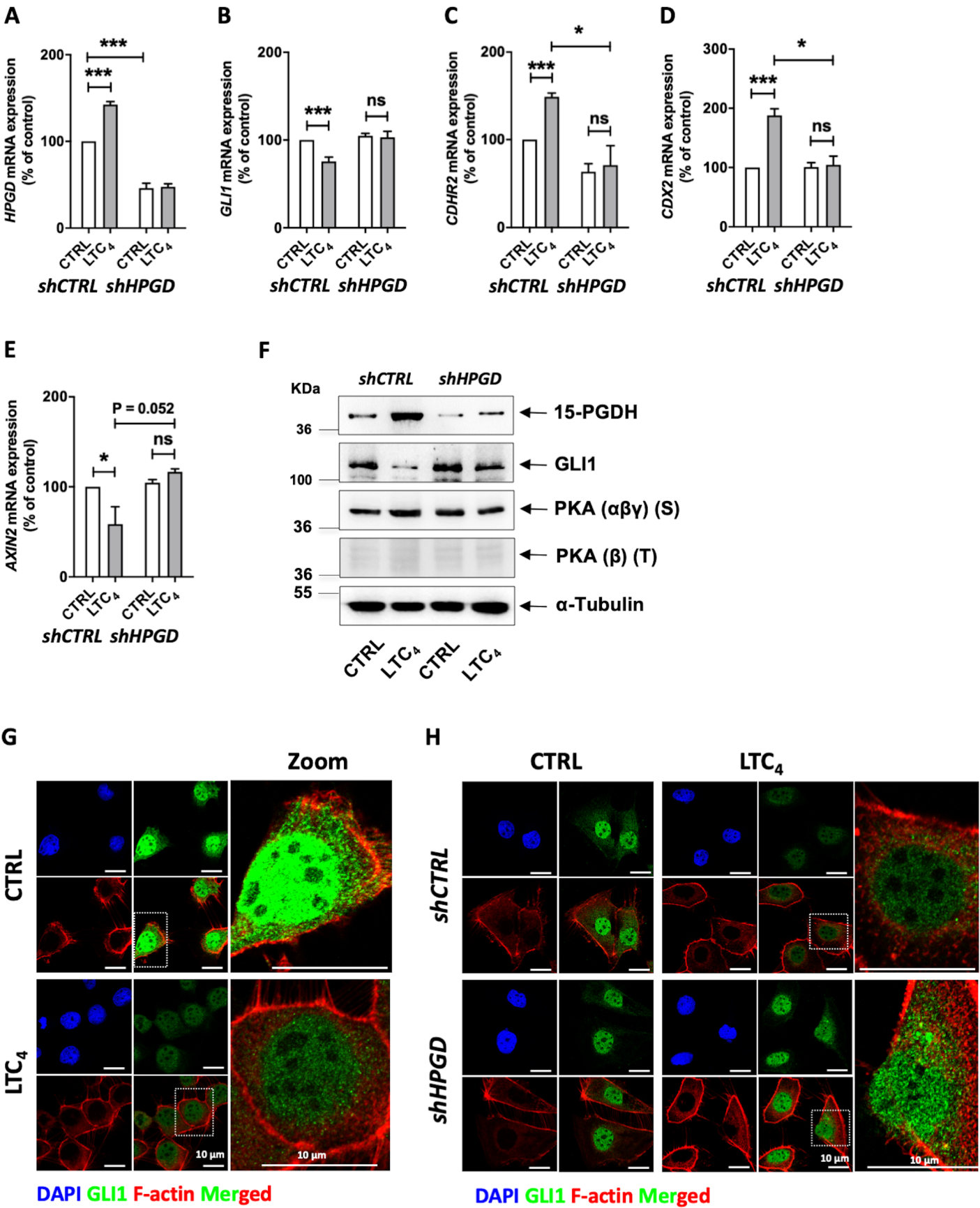


Supplementary Fig. S3



Supplementary Fig. S3

qRT-PCR validation of gene expression in *shCTRL*- and *shHPGD*-transfected Caco-2 colon cancer cells following LTC₄ stimulation for 48 h and compared with the unstimulated control. Markers of **A**, tumour suppression *15-PGDH* and **B**, *GLI1*, **C**, differentiation regulation (*CDX2*), **D**, differentiation (*CDHR2*), and **E**, Wnt activation (*AXIN2*) compared between the *shCTRL* and *shHPGD* groups. *HPRT1* was used as the housekeeping gene for normalization. **F**, Immunoblotting analysis of whole-cell lysates of Caco-2 cells for 15-PGDH, GLI1 and PKA ($\alpha\beta\gamma$ subunit and β subunit) expression and **G**, immunofluorescence analysis of GLI1 in unstimulated and LTC₄-stimulated Caco-2 cells. **H**, Immunofluorescence analysis of GLI1 in unstimulated and LTC₄-stimulated Caco-2 cells and compared between the *shCTRL*- and *shHPGD*-transfected groups. α -Tubulin served as the loading control. Plots represent the mean $\pm$ SEM of data from 3-4 independent experiments, * $P < 0.05$, *** $P < 0.001$.