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Supplemental material for ‘Regulation of UGT2B4 and UGT2B7 by miRNAs in liver cancer cells’

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Supplemental Figure Legends:

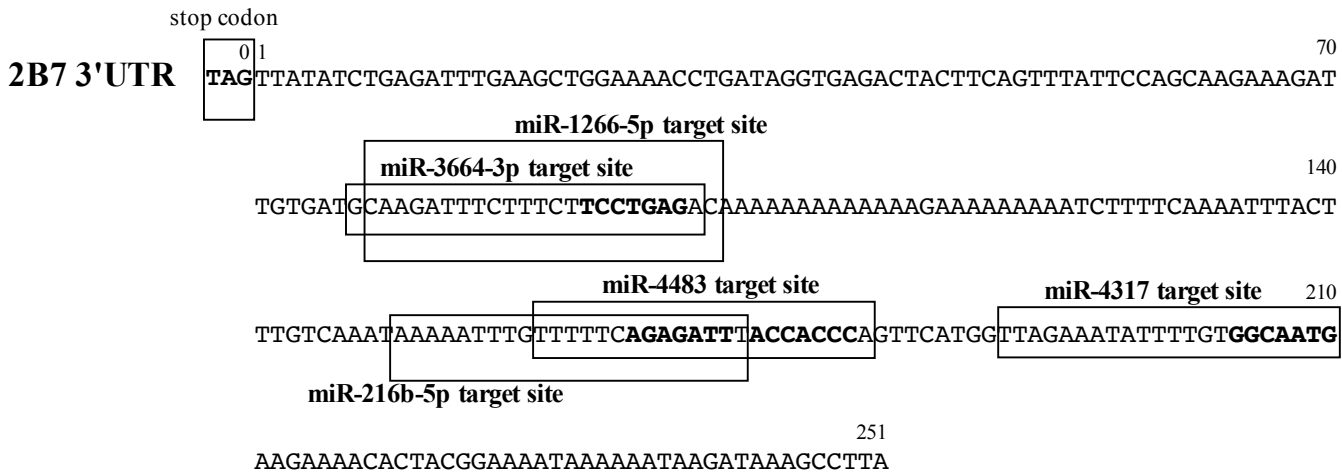
Supplemental Figure 1. Schematic of the UGT2B4 and UGT2B7 3'-UTR regions with predicted miRNA binding sites indicated by boxes.

Supplemental Figure 2. UGT2B4 and miR-135a-5p levels were measured in HepG2 and HuH7 cells. The expression of UGT2B4 in HepG2 cells is set as 1 (after normalising to 18S RNA) showing that UGT2B4 has higher expression in HepG2 than HuH7 cells. The expression of miR-135a-5p in HuH7 cells is set as 1 (after normalising to RNU6-2) showing that miR-135a-5p has higher expression in HepG2 than in HuH7 cells. Data are means from an experiment performed in quadruplicate, the error bar represents 1S.D., **p<0.005, ***p<0.0005.

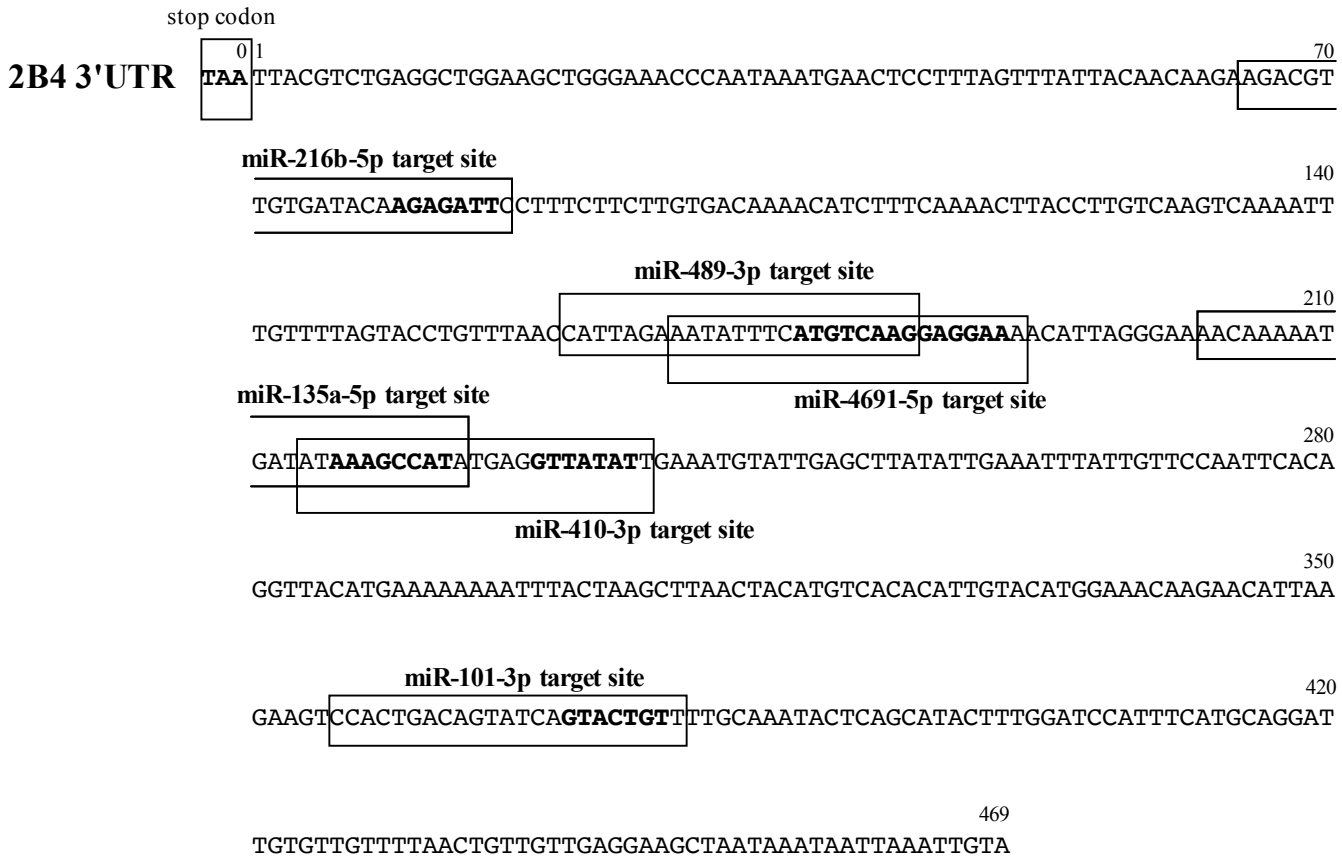
Supplemental Figure 3. Correlation analysis of UGT2B4 and miR-135a primary transcript levels in the TCGA liver cancer cohort (370 specimens). Both the miR-135a-1 and miR135a-2 genes were examined because they both give rise to mature miR-135a-5p. No significant correlation was observed between UGT2B4 and either miR-135a-1 or miR-135a-2 (UGT2B4/miR-135a-1 rho value = 0.040, p value = 0.43959; UGT2B4/miR-135a-2 rho value = 0.0055, p value = 0.9152).

Supplementary Figure 1

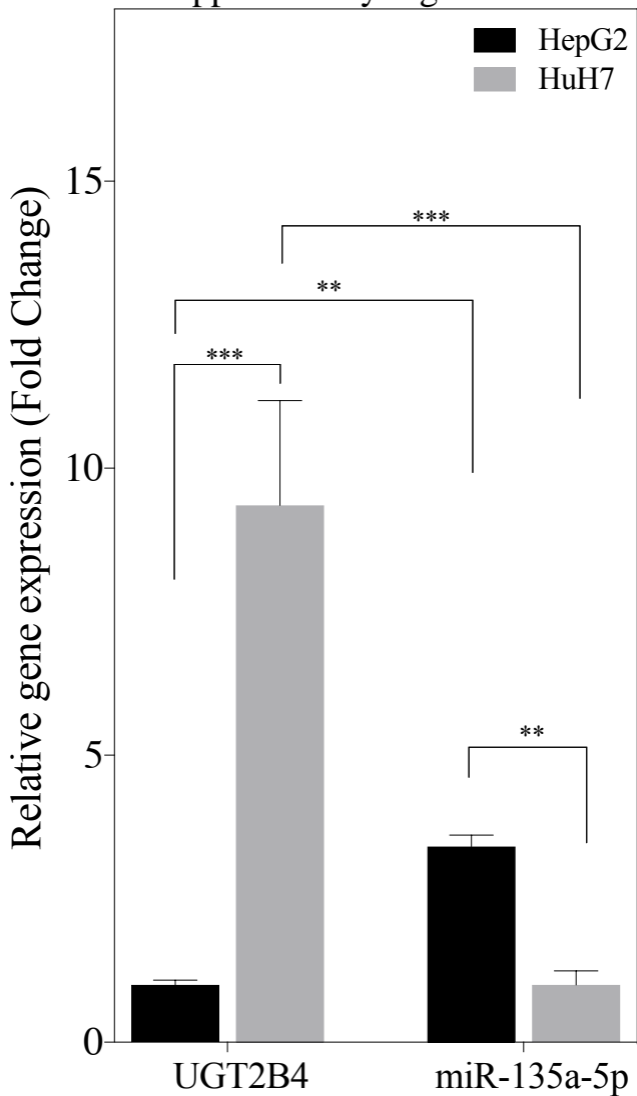
A



B



Supplementary Figure 2



Supplementary Figure 3

B**A**