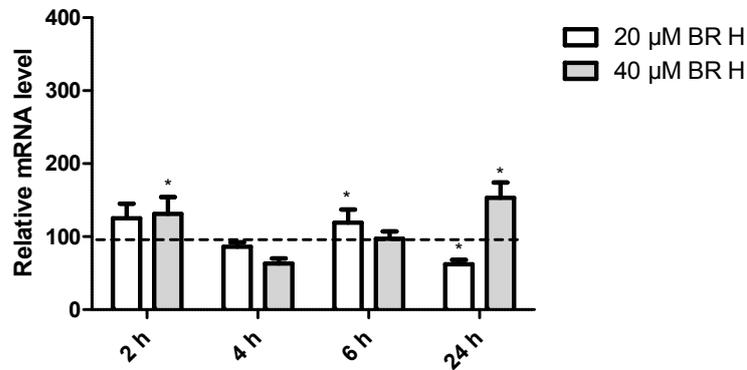
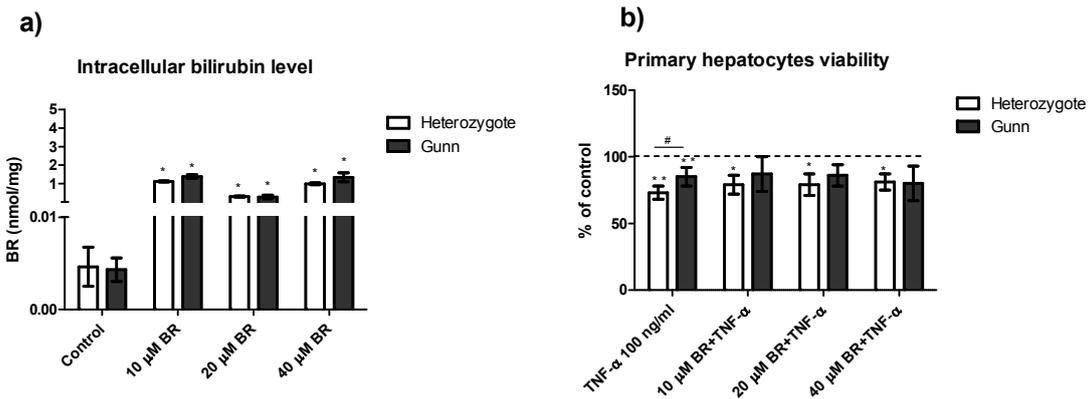


# Supplementary Figures

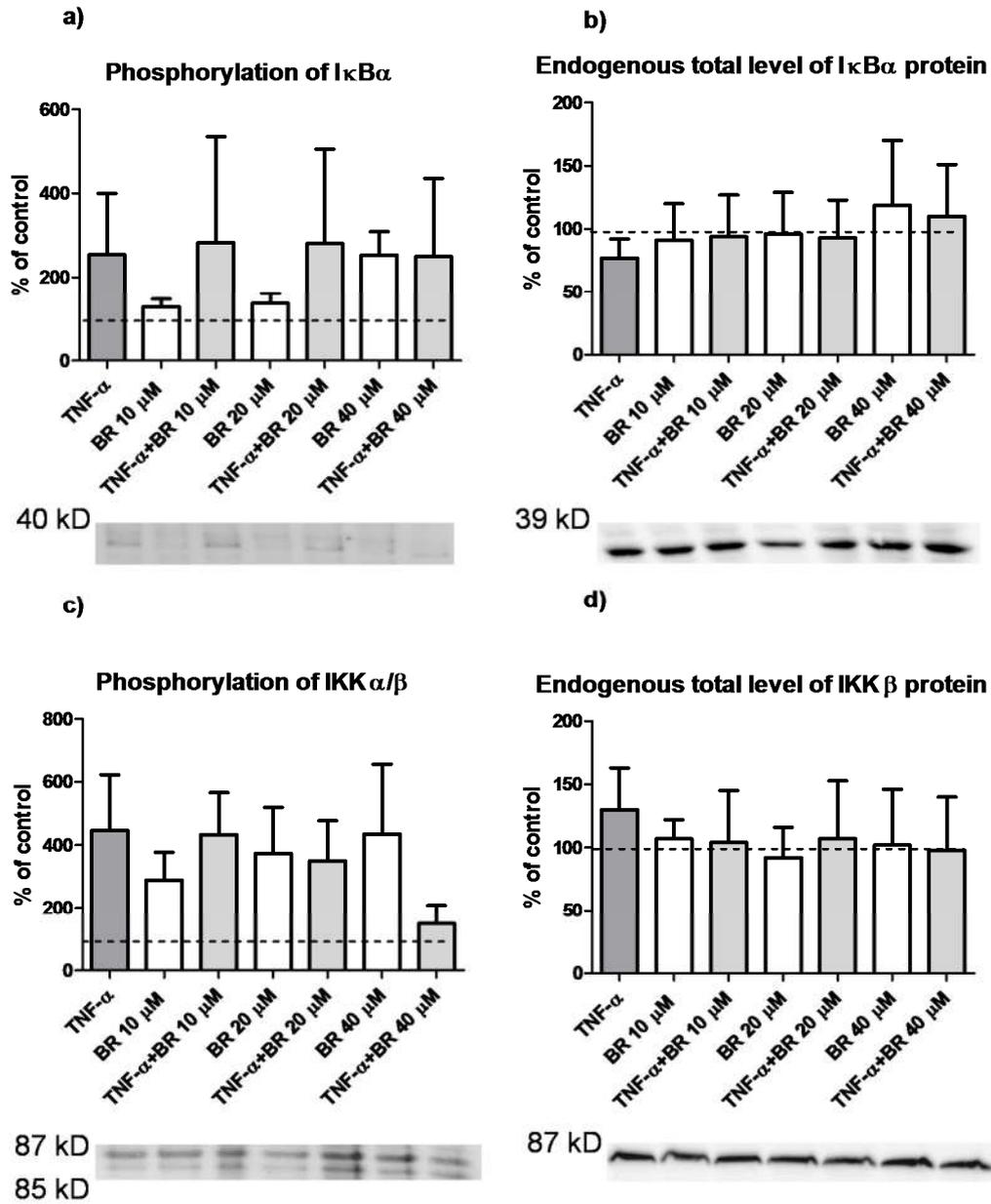
## LBP mRNA in primary heterozygote hepatocytes



**Figure S1.** The effect of BR on LBP mRNA expression in the primary hepatocytes. Primary hepatocytes isolated from normobilirubinemic heterozygous controls were incubated with BR (20 and 40  $\mu$ M) for 2, 4, 6 and 24 h. Values are expressed % of untreated control cells (100%). \* $p < 0.05$  vs. controls.  $n = 6$  independent cell cultures per group.



**Figure S2.** The effect of BR and TNF- $\alpha$  on viability of primary hepatocytes. Intracellular BR levels (a) and cell viability (b) were measured 24 h before and after BR and TNF- $\alpha$  treatment in primary hepatocytes isolated from normobilirubinemic heterozygous controls (Heterozygote) and hyperbilirubinemic Gunn rats (Gunn), respectively. \* $p < 0.05$  vs. corresponding control, # $p < 0.05$  vs. heterozygote primary hepatocytes. (a)  $n = 6$ , (b)  $n = 10$  independent cell cultures per group.



**Figure S3.** The effect of bilirubin on NF-κB signaling pathway. Both types of primary hepatocytes were pre-incubated with BR (0-40 μM) for 2 h and then treated with TNF-α (12 ng/ml) for 5 min. Total (b) IκBα, (d) IKKβ and phosphorylated (a) IκBα and (c) IKKα/β were measured by Western blot. Values are expressed as % of untreated control cells (100%). \*p<0.05 vs. TNF-α. n=6 independent cell cultures per group.