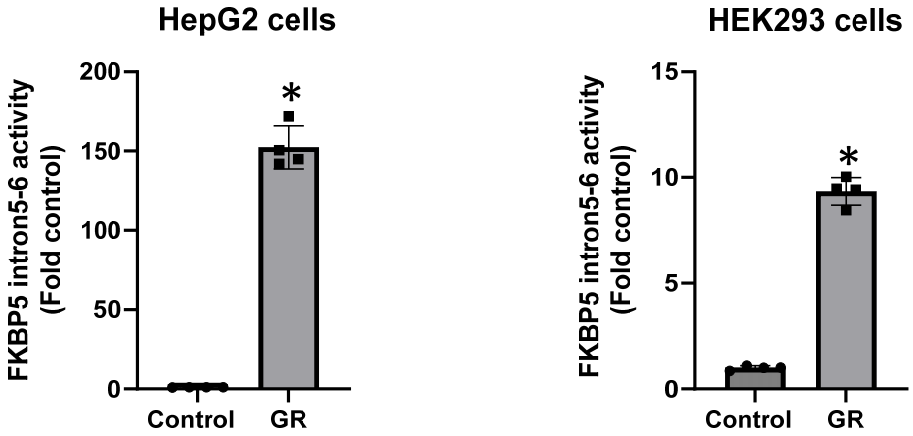

Fig. S1. Effects of glucocorticoid receptor (GR) on the reporter activities of FKBP5 intron5-6 in HepG2 cells and HEK293 cells. Cells in 96-well plate were co-transfected with pGL3-FKBP5 intron5-6, a secondary renilla luciferase reporter vector, and pk7-GR (20 ng), and treated with dexamethasone (10 nM for HepG2 and 100 nM for HEK293 cells). Dual-luciferase assay was conducted 24 h after transfection. N=4, mean ± SE. * $P < 0.05$ versus control. GR strongly activated FKBP5 intron5-6 in both HepG2 and HEK293 cells, with fold of activation higher in HepG2 cells than HEK293 cells.

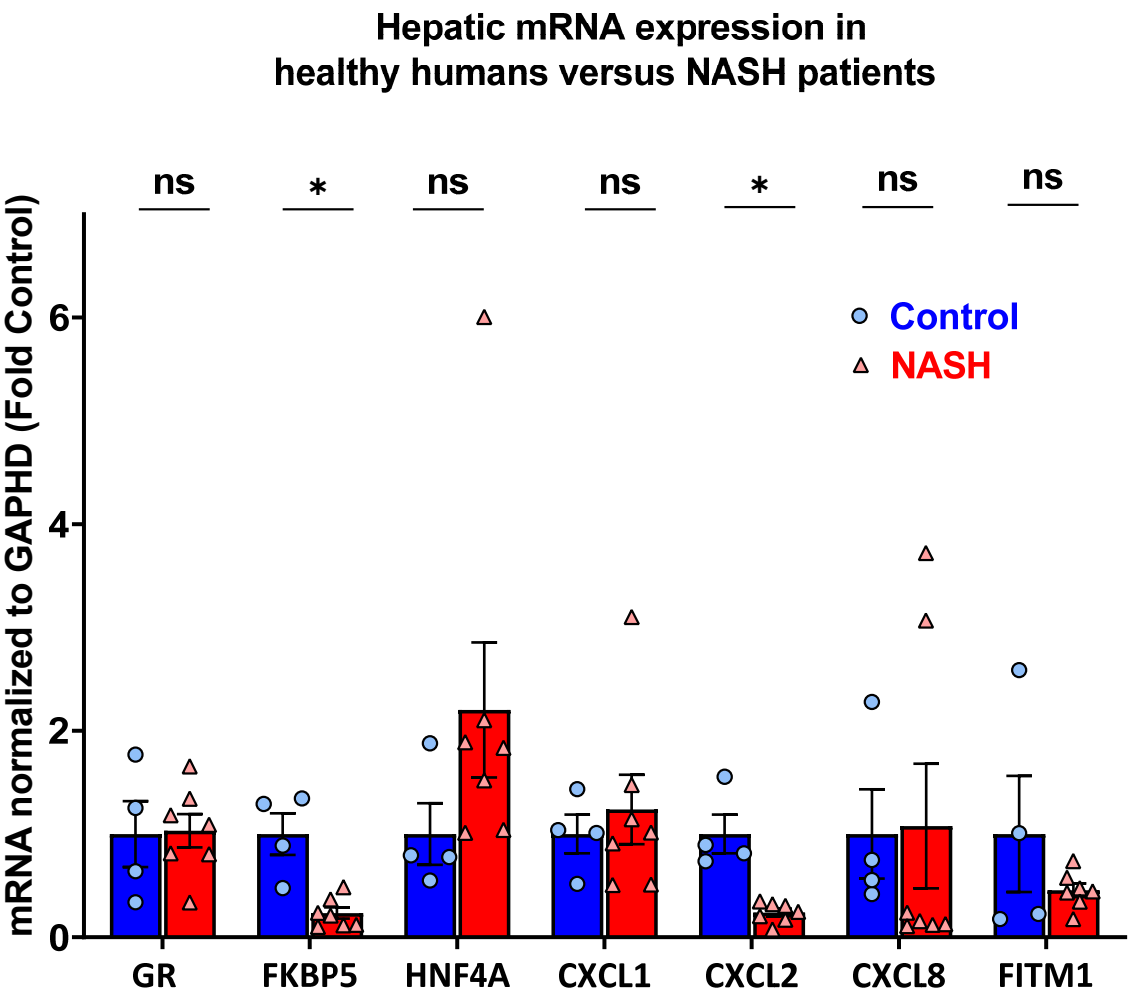

Fig. S2. Hepatic mRNA expression in patients with and without nonalcoholic steatohepatitis (NASH). Microarray data were retrieved from GEO DataSets (GSE17470)**.** Mann-Whitney test was used for groups failing normality testing via Shapiro-Wilk test, Welch's t test was used for samples passing normality but with standard deviation discrepancies greater than 2-fold between control and NASH, and unpaired t test was used for samples with equal standard deviation and passing normality testing. n = 4-7 patients. * = $p \leq 0.05$, ** = $p \leq 0.01$

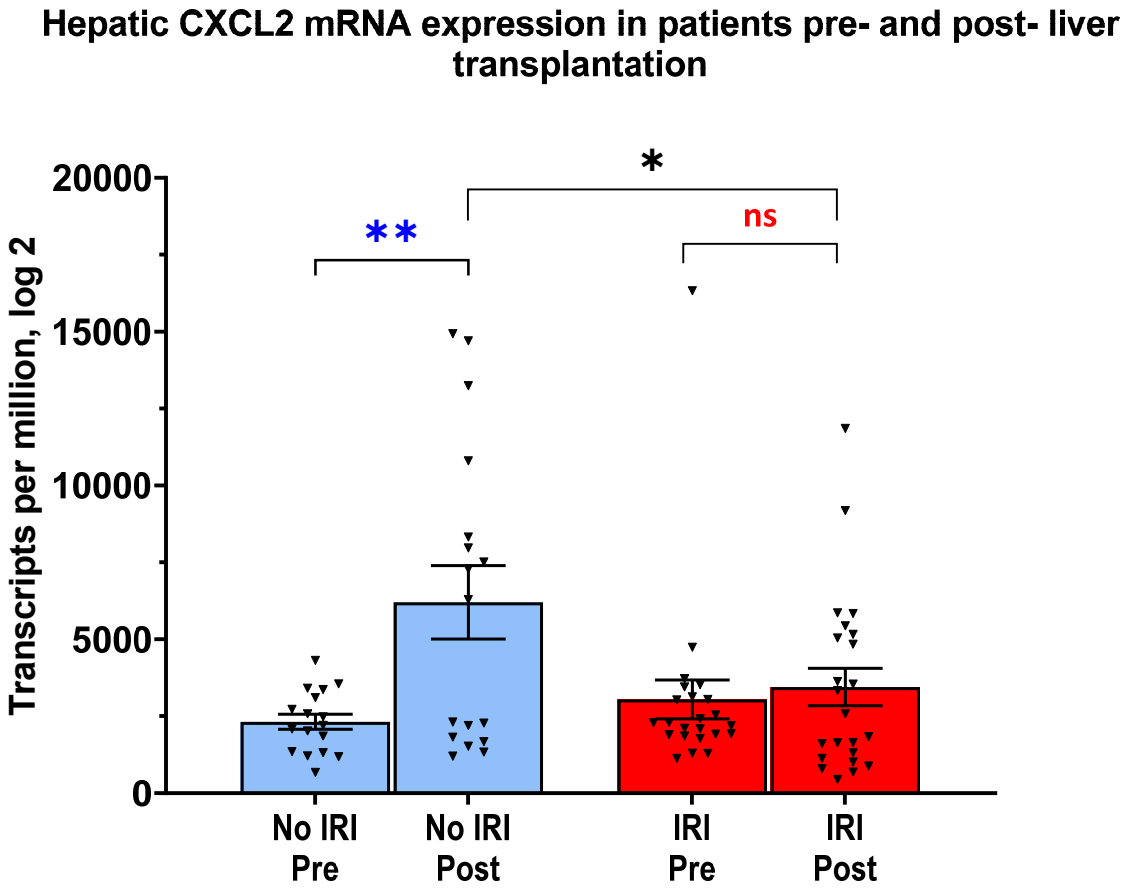

Fig. S3. Hepatic CXCL2 mRNA expression in patients with or without ischemia reperfusion injury (IRI) pre- and post-liver transplantation. RNA-sequencing data were retrieved from GEO DataSets (GSE151648). Wilcoxon matched-pairs signed rank test was used to compare matched pre-post transplant samples; Mann-Whitney test was used to compare non-IRI to IRI patients post transplant. * = $p \leq 0.05$, ** = $p \leq 0.01$

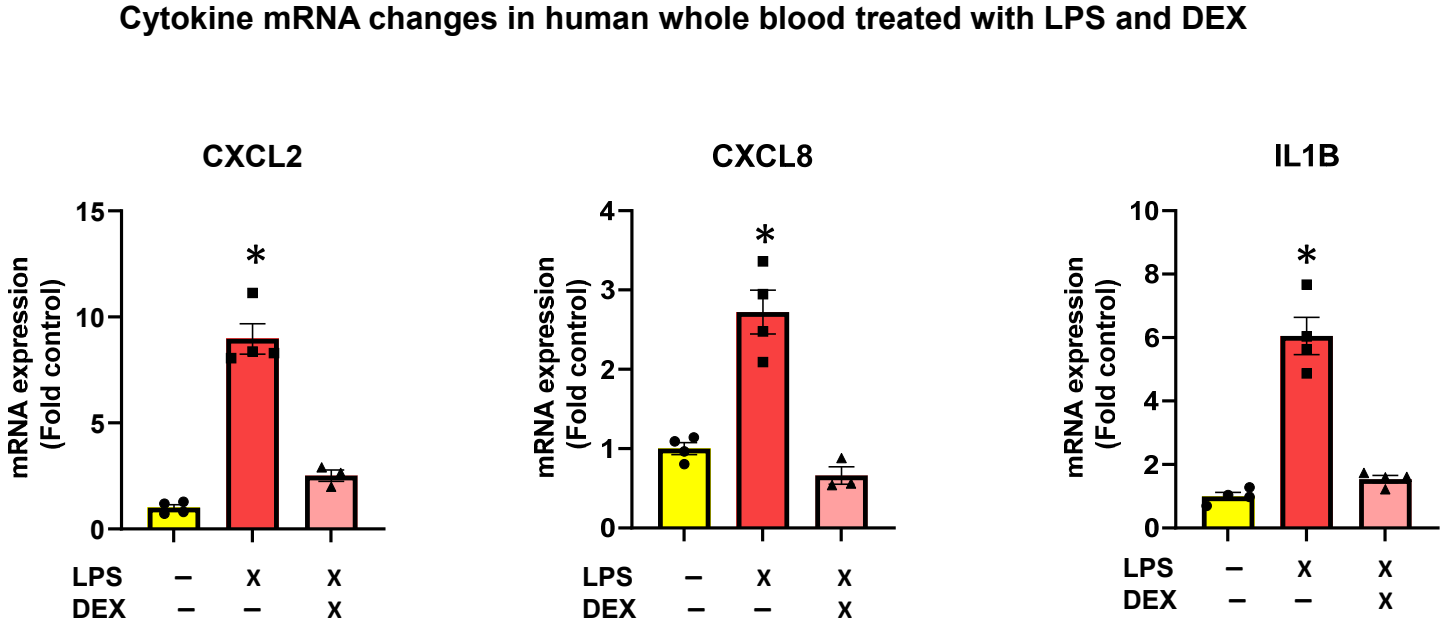

Fig. S4. Effects of dexamethasone (DEX) on LPS-stimulated mRNA induction of cytokines in human whole blood. Fresh heparinized human whole blood from healthy volunteer were added to 1:1 ratio of RPMI-1640 medium that contained 2 ng/mL LPS and/or 100 nM DEX and incubated for 4 h (at 37°C x 250 rpm). After 4 h incubation with LPS and/or DEX, total RNAs were prepared from blood cells for qPCR determination of mRNA expression, normalized to AKIRIN1. N = 4 replicates, mean ± SE. * $p < 0.05$ versus vehicle control using one-way ANOVA with Dunnett's multiple comparison.

Approximation of total amounts and percentages of chemokines present in cell lysates and culture media

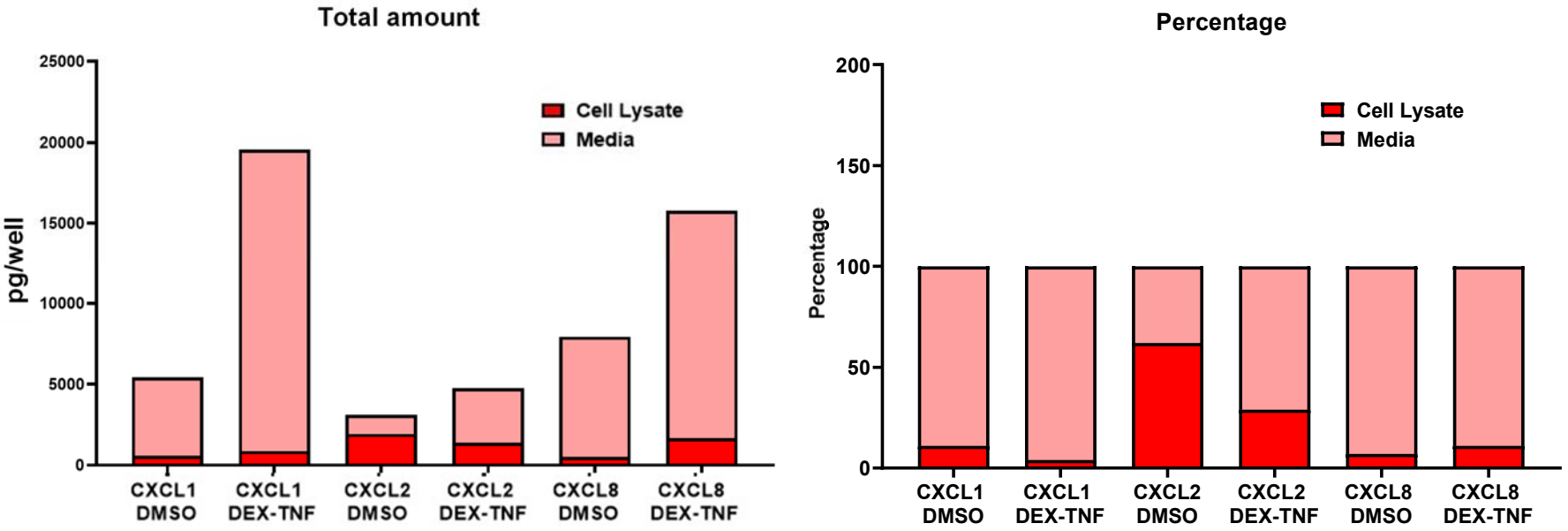

Fig. S5. Preliminary approximation of total amounts and percentages of CXC chemokines present in cell lysates and culture media in primary human hepatocytes (PHH). Cell lysates: Treated 1 well DMSO and 1 well DEX-TNF of 6-well plate (patient 1) with approximately 250-300 uL RIPA buffer with PPI. Vortexed several times. Digested at room temp and on ice for several minutes. Centrifuged 14000 g x10 minutes. Moved to new microcentrifuge tube. Diluted approximately 1:1 in more RIPA buffer. Concentration approximately 1.5 ug/uL protein by DC Protein Assay. Media assayed in a separate experiment using same or similarly treated wells.