Supplementary information

Hepatocyte SHP-1is a Critical Modulator of Inflammation During Endotoxemia

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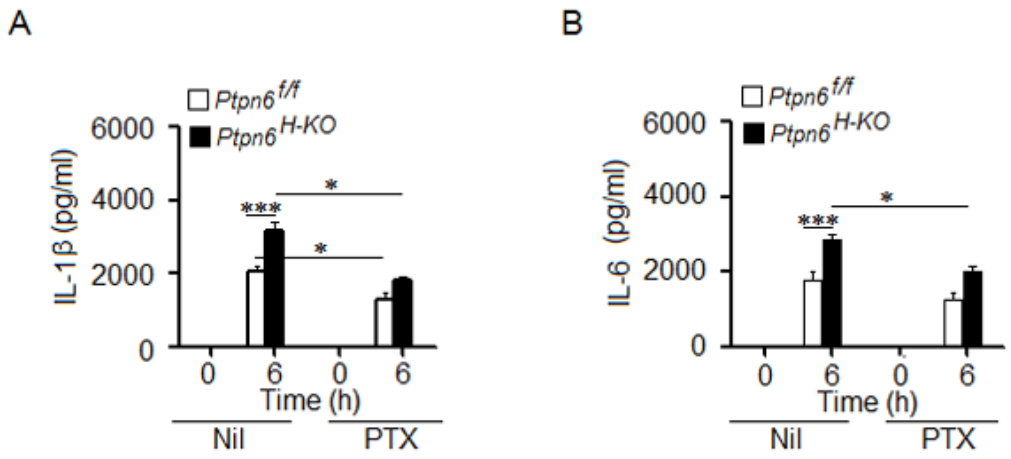
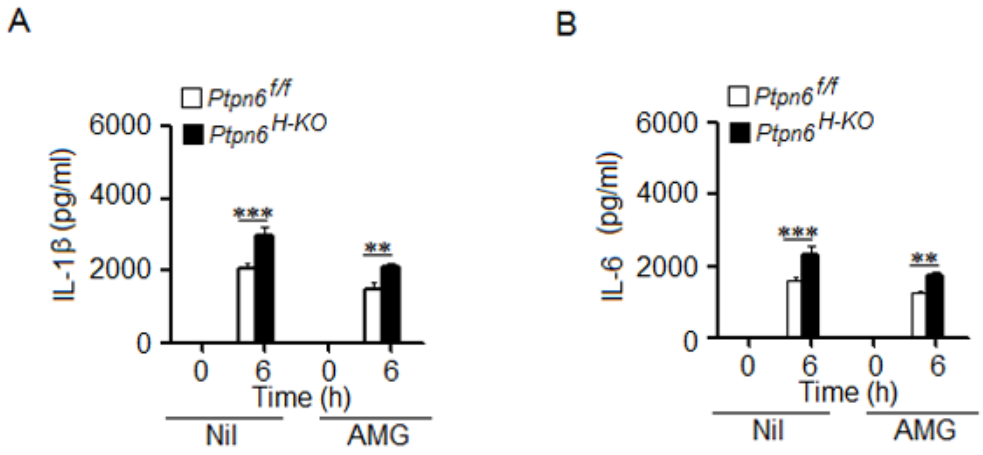
Supplementary Figure 1.



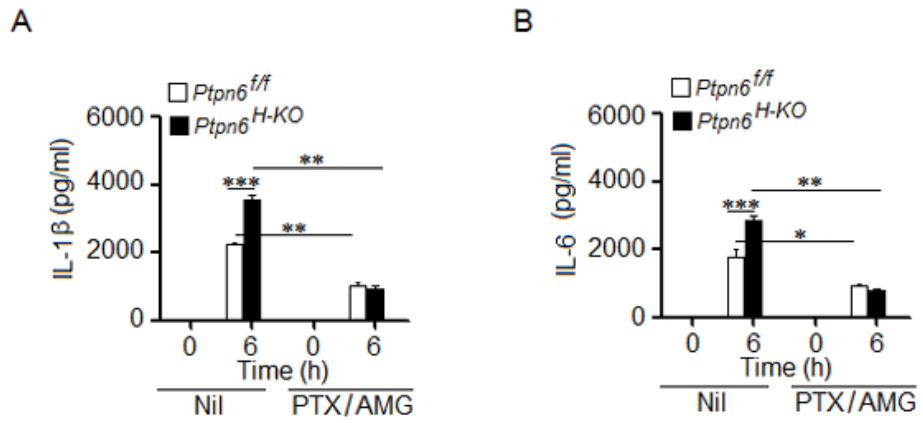
Supplementary Figure 1. TNF-α inhibitor pentoxifylline treatment reduced pro-inflammatory cytokines in *Ptpn6*$^{H\text{-}KO}$ challenged with LPS. Serum levels of (A) IL-1β and (B) IL-6 in *Ptpn6*$^{H\text{-}KO}$ and *Ptpn6*$^{f/f}$ mice treated with pentoxifylline, during LPS challenge (30 mg/kg body weight). Data are presented as mean ± SEM, $n = 6$. * $P \leq 0.05$, and ***$P \leq 0.001$.

Supplementary Figure 2



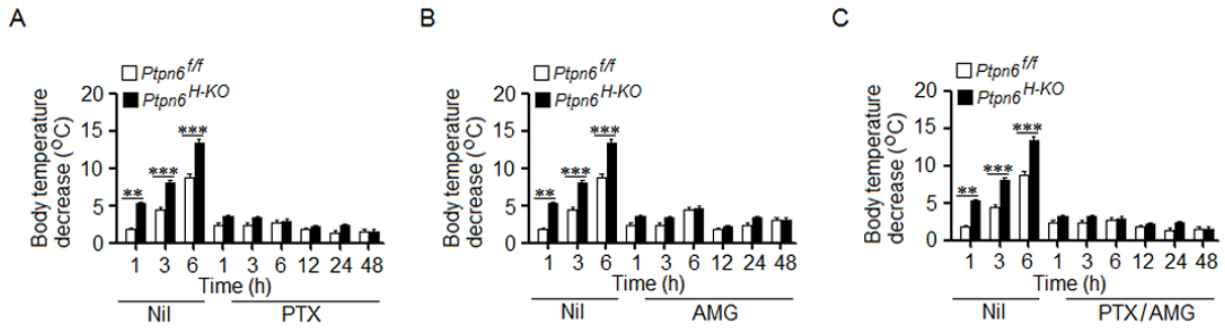
Supplementary Figure 2. Effect of iNOS/NO inhibitor aminoguanidine treatment on pro-inflammatory cytokines in *Ptpn6*$^{H\text{-}KO}$ challenged with LPS. Serum levels of (A) IL-1β and (B) IL-6 in *Ptpn6*$^{H\text{-}KO}$ and *Ptpn6*$^{f/f}$ mice treated with aminoguanidine, during LPS challenge (30 mg/kg body weight). Data are presented as mean ± SEM, $n = 6$ ***P ≤ 0.001.

Supplementary Figure 3



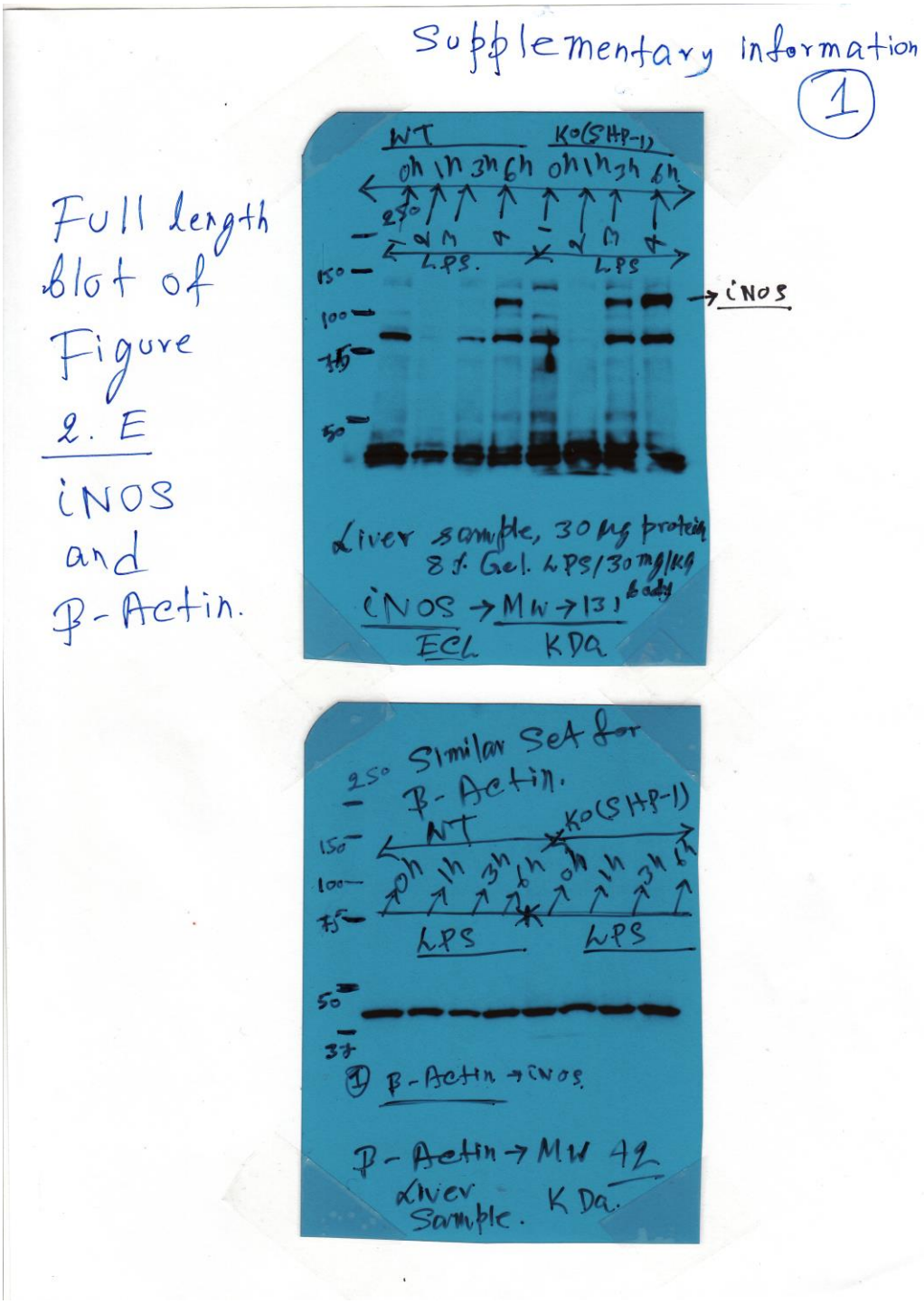
Supplementary Figure 3. Combination of TNF-α and iNOS/NO inhibitors treatment reduced pro-inflammatory cytokines in *Ptpn6*$^{H\text{-}KO}$ challenged with LPS. Serum levels of (A) IL-1β and (B) IL-6 in *Ptpn6*$^{H\text{-}KO}$ and *Ptpn6*$^{f/f}$ mice treated with aminoguanidine plus pentoxyfyline during LPS challenge (30 mg/kg body weight). Data are presented as mean ± SEM, $n = 6$. * $P \leq 0.05$, **$P \leq 0.01$ and ***$P \leq 0.001$.

Supplementary Figure 4.



Supplementary Figure 4. Effect of TNF-α or NO inhibitors on body temperature of *Ptpn6*$^{H\text{-}KO}$ and the *Ptpn6*$^{f/f}$ mice Body temperature decrease in *Ptpn6*$^{H\text{-}KO}$ and *Ptpn6*$^{f/f}$ mice treated with (A) pentoxyfyline (B) amino guanidine and (C) their combination during LPS challenge (30 mg/kg body weight). No significant differences in body temperature reduction between *Ptpn6*$^{H\text{-}KO}$ and *Ptpn6*$^{f/f}$ mice at the indicated time points. Data are presented as mean ± SEM, $n = 6$. **P ≤ 0.01 and ***P ≤ 0.001.

Supplementary Information File 1



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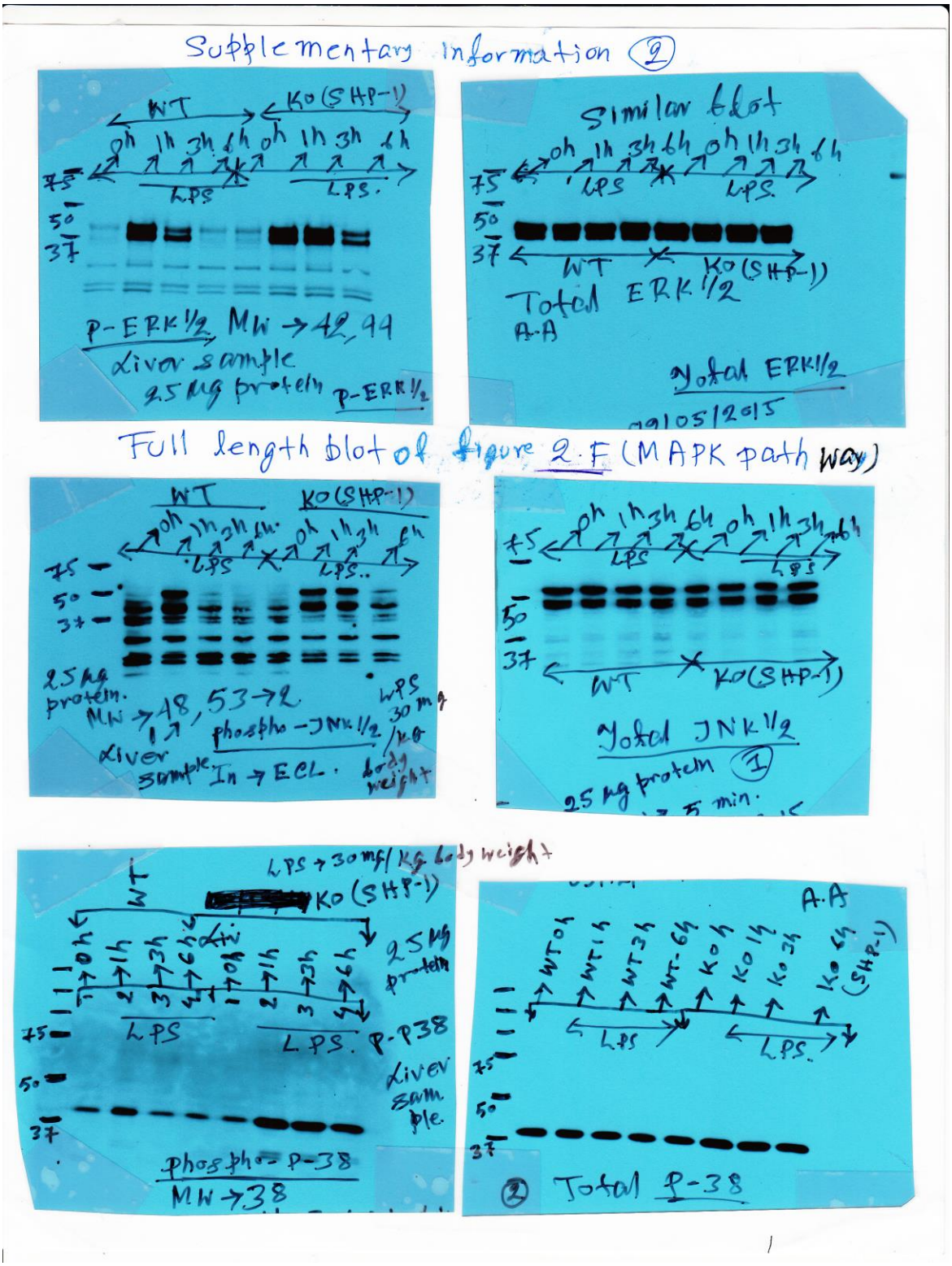
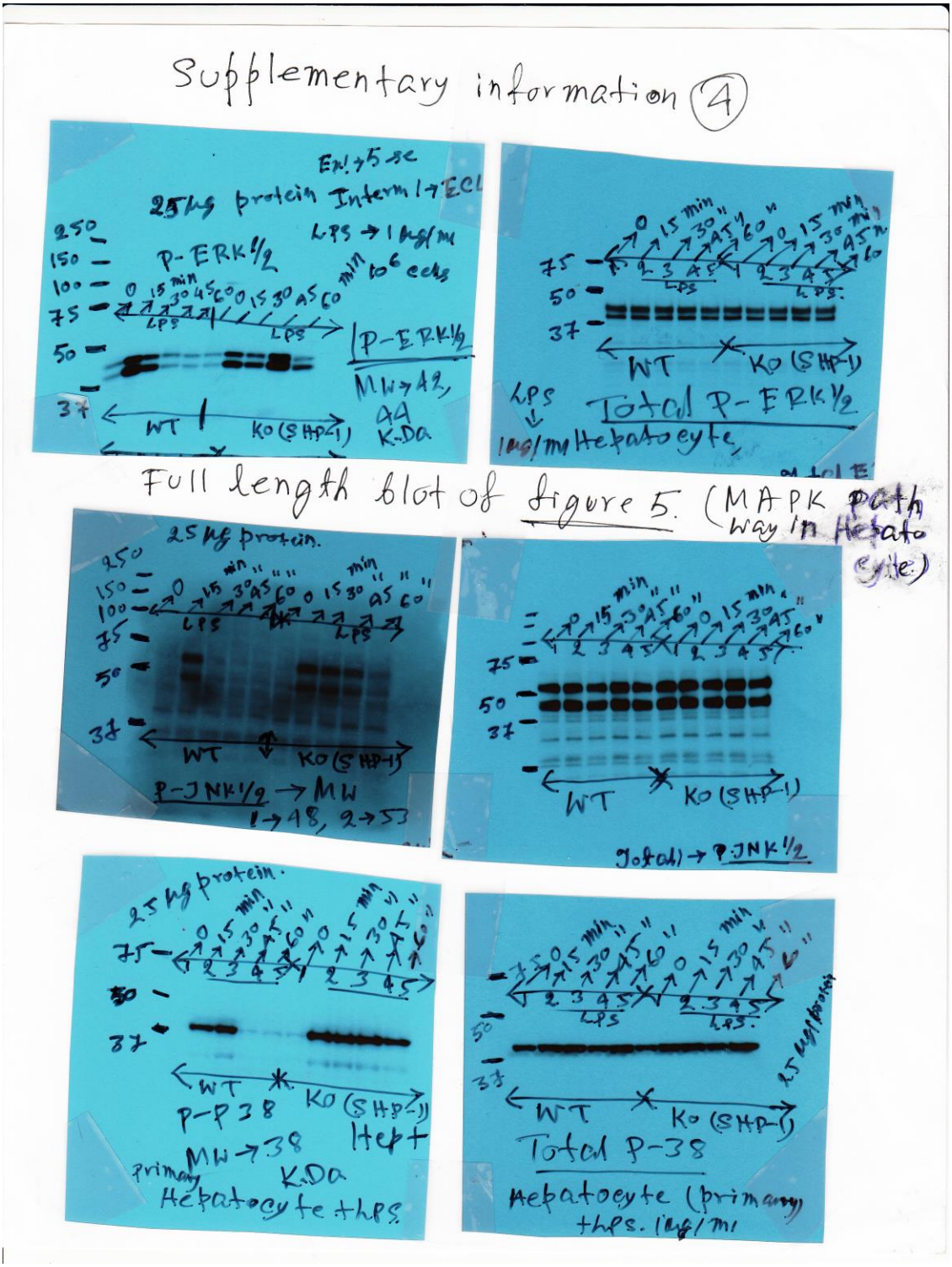


Supplementary Information File 3

Supplementary Information File 4



Supplementary Information File 5