SUPPLEMENTAL FIGURE LEGENDS

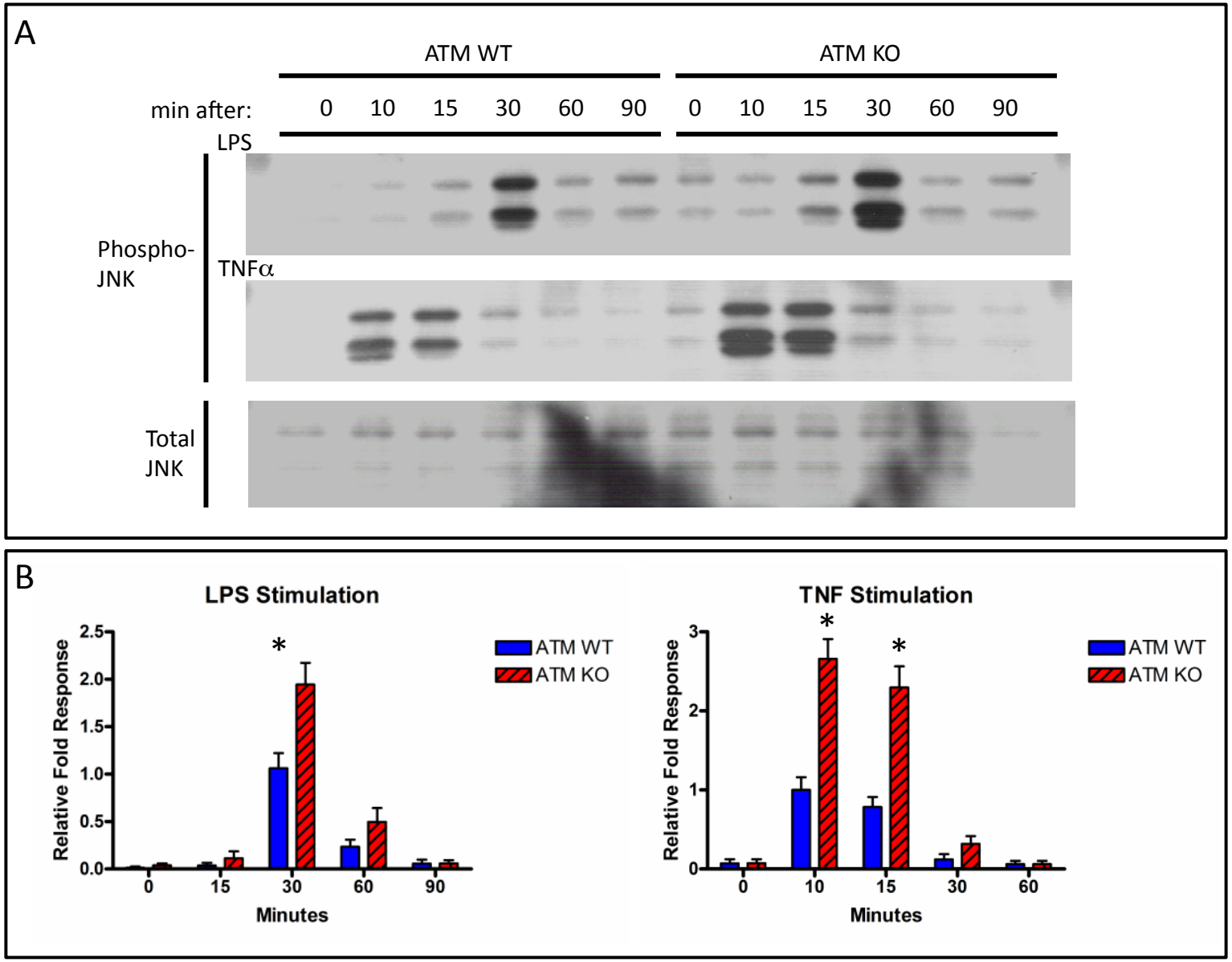
Supplemental Figure 1. Assessment of JNK signaling in ATM+/+ and ATM-/- thioglycollate-elicited peritoneal macrophages. Western blot analyses of phospho-JNK and total-JNK were performed using thioglycollate-elicited peritoneal macrophages derived from ATM+/+ and ATM-/- (on apoE-/- background) mice. JNK activation was achieved by treatment with LPS (10 ng/ml) or TNFα (10 ng/ml) for the indicated times. Panel A shows representative Western blots. Panel B shows densitometric analyses of Western blots normalized to total JNK for the indicated time-points (*$p<0.05$).

Supplemental Figure 2. Verification of the ability of chloroquine to activate the ATM-p53 axis *in vivo.* Western blots of fat tissue from p53+/+ apoE-/- mice were performed after 2 months of chloroquine vs. saline control treatment.

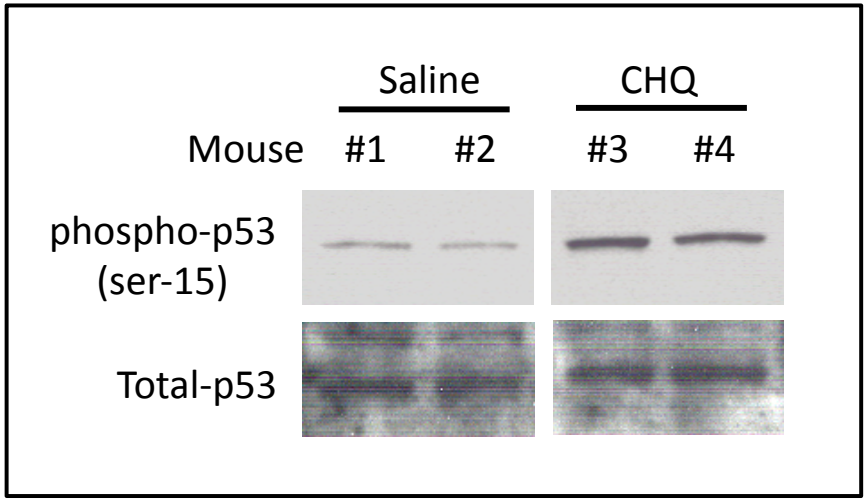
Supplemental Figure 3. Effects of p53 deficiency and chloroquine treatment on overall body weight. p53+/+ and p53-/- (on apoE-/- background) mice are denoted as WT and KO respectively. Sal = Saline and CHQ = Chloroquine treatment.

Supplemental Figure 4. Effects of p53 deficiency on insulin sensitivity *in vivo.* p53+/+ and p53-/- (on apoE-/- background) are denoted as WT and KO respectively. These graphs represent data from Figure 4 that have been re-plotted in order to compare the (A) GTT and (B) ITT responses between WT and KO mice.

Supplemental Figure 1



Supplemental Figure 2



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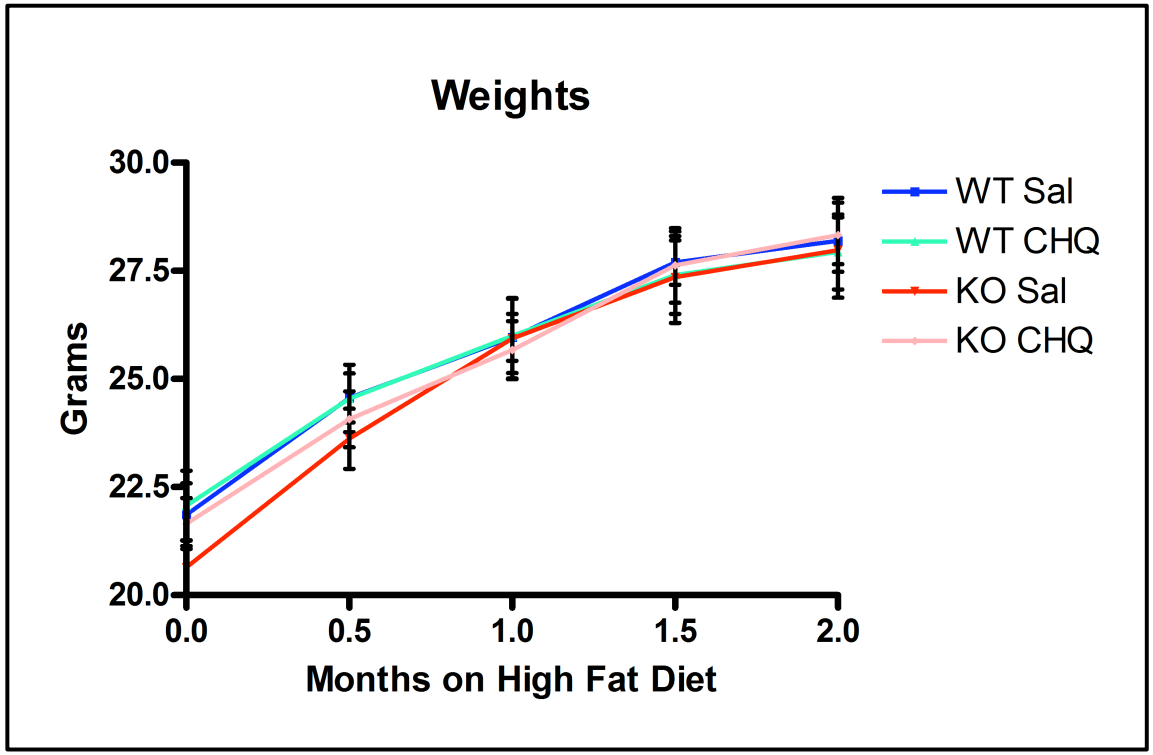
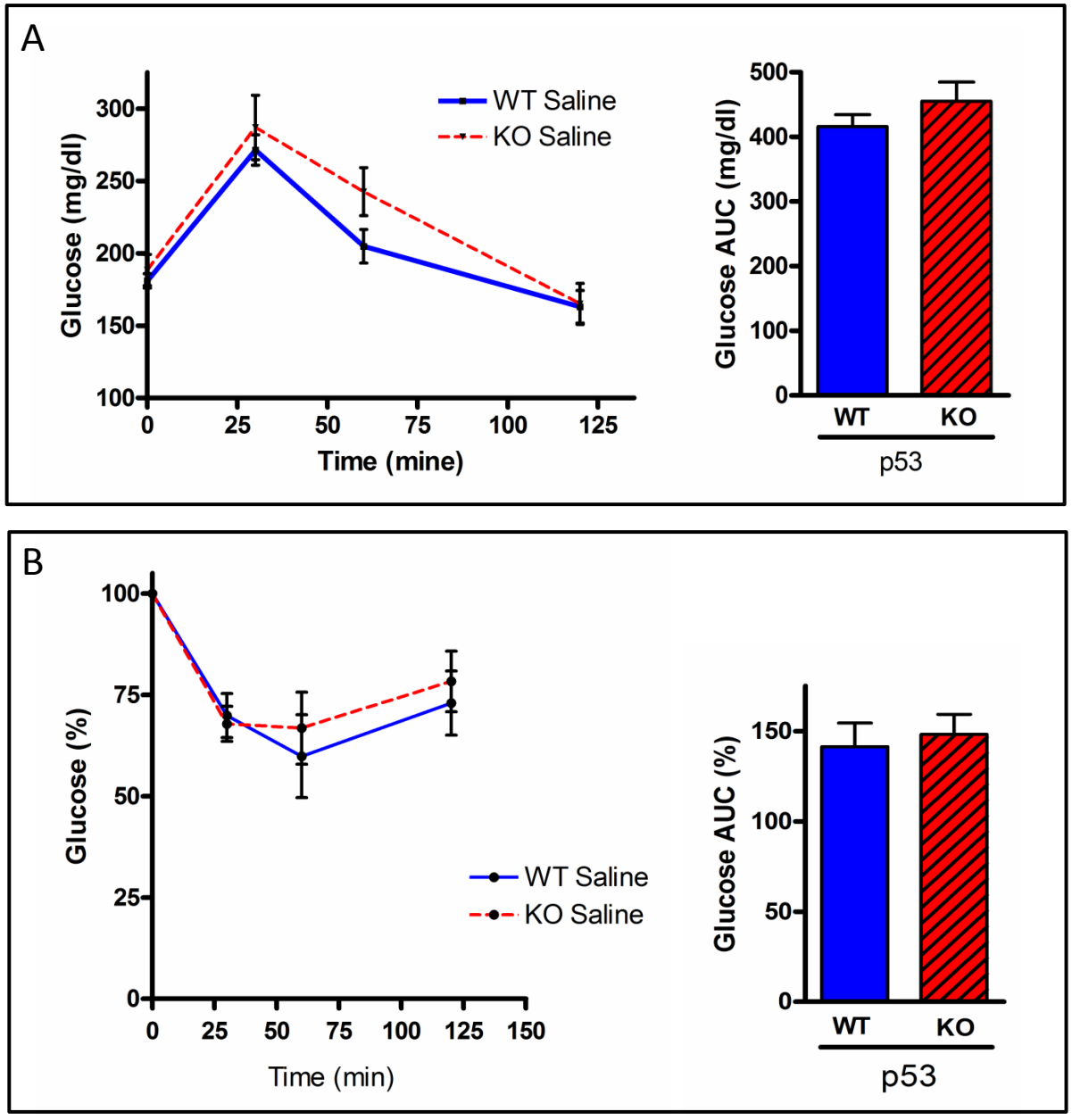
Supplemental Figure 4