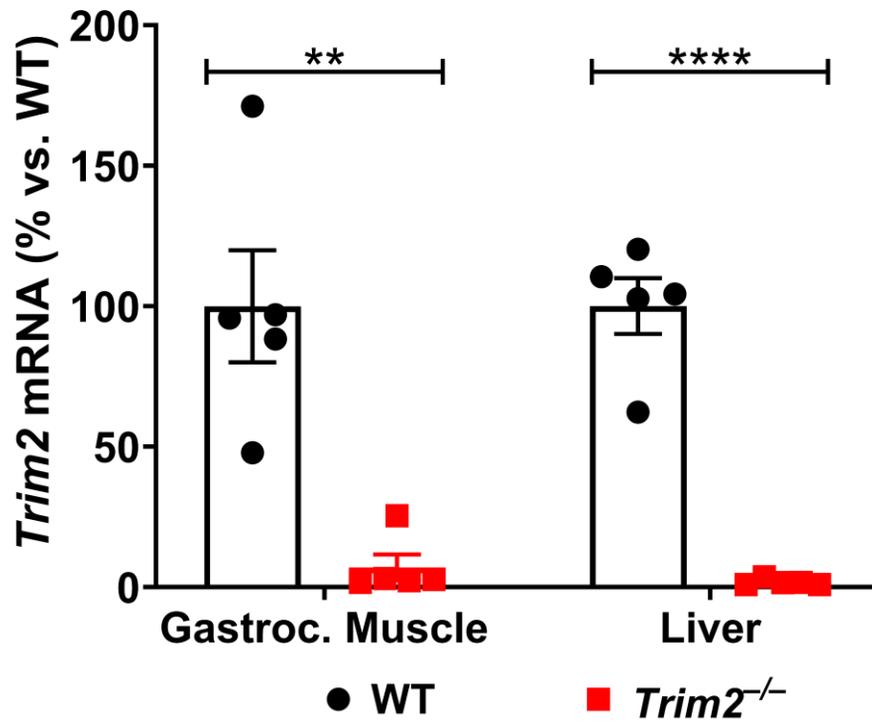
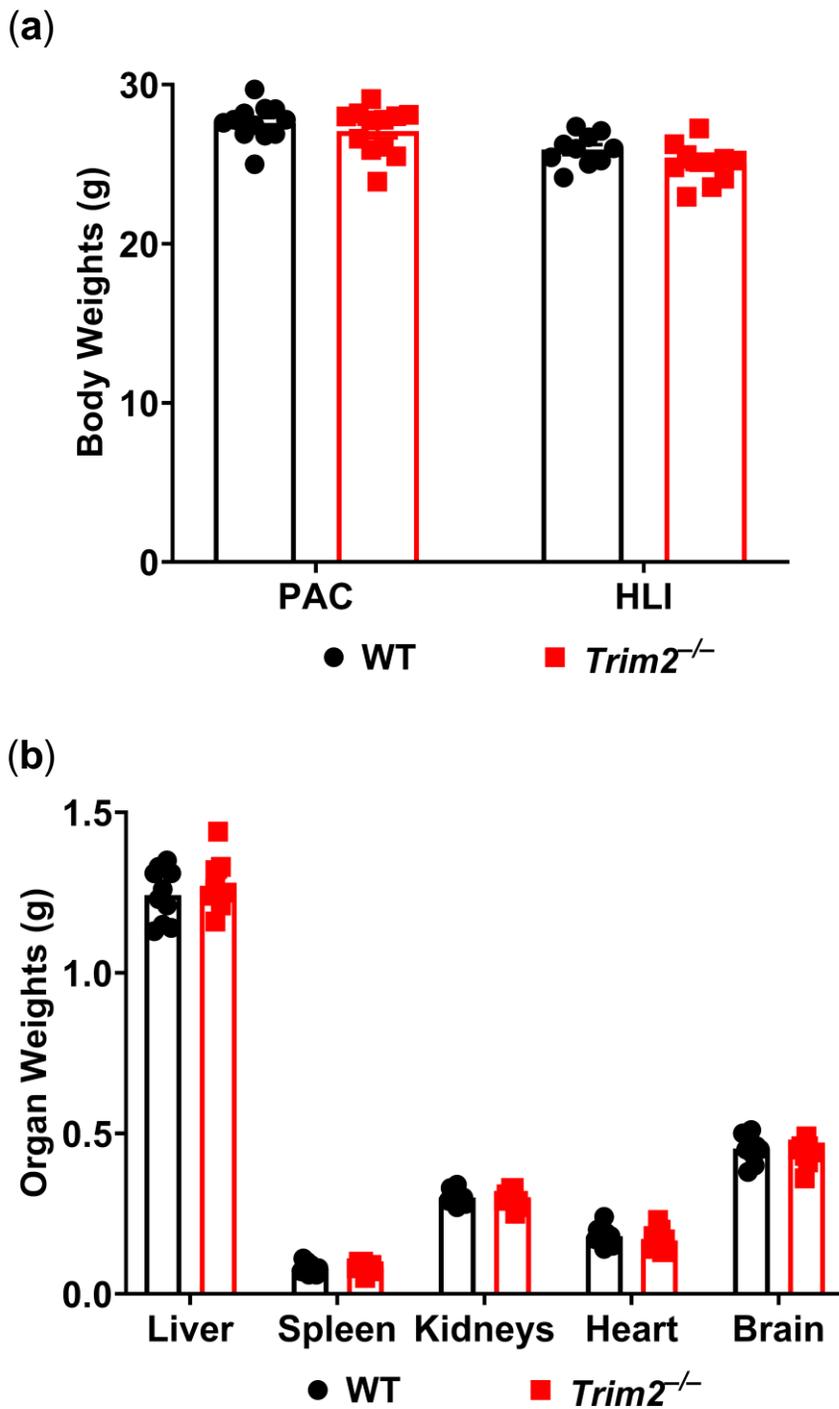


# SUPPLEMENTAL FIGURE 1



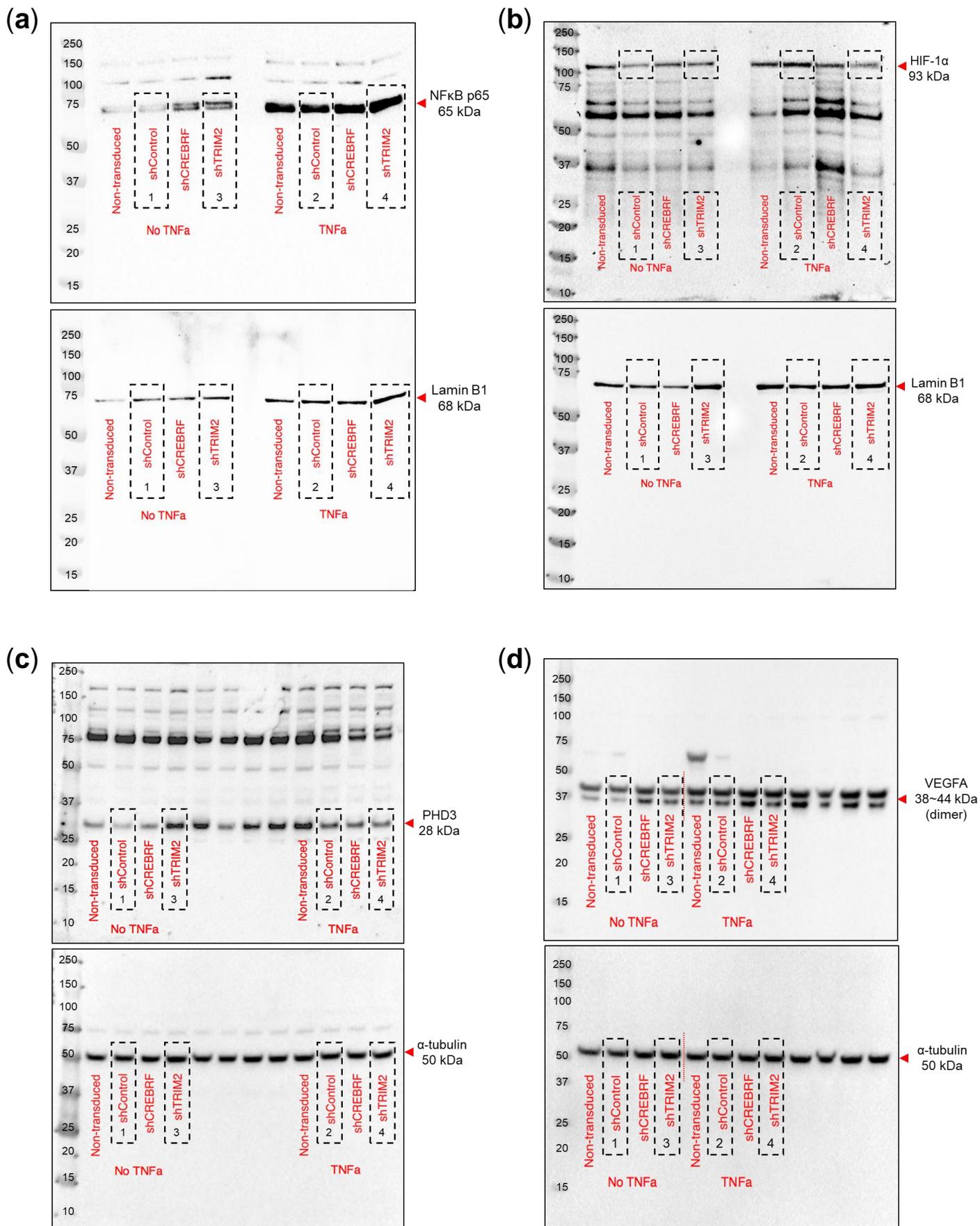
**Supplemental Figure 1:** Mouse *Trim2* mRNA levels were determined using qPCR from gastrocnemius muscle and liver tissues from wildtype (WT) and *Trim2*<sup>-/-</sup> mice ( $N=5/\text{group}$ ). Results are mean $\pm$ SEM and normalized to WT mice. \*\* $P<0.01$ , \*\*\*\* $P<0.0001$  by unpaired student's t-test.

## SUPPLEMENTAL FIGURE 2



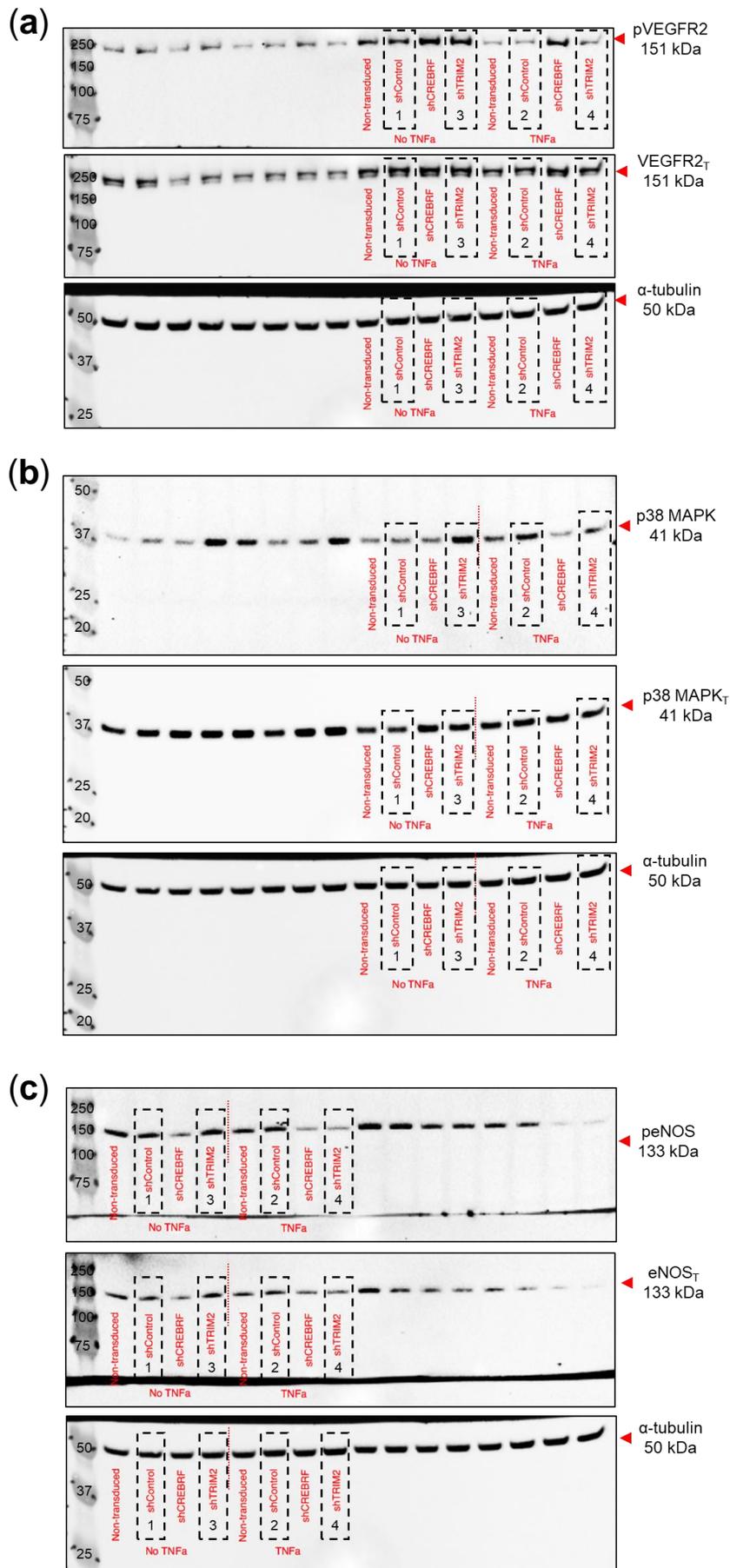
**Supplemental Figure 2:** (a) Total body weight of wildtype (WT) and *Trim2*<sup>-/-</sup> mice at the conclusion of either the periarterial cuff (PAC,  $N=12/\text{group}$ ) or hindlimb ischemia (HLI,  $N=10\text{--}11/\text{group}$ ) studies. (b) Weights of individual organs ( $N=10/\text{group}$ ). Results are mean $\pm$ SEM and normalized to WT mice.

# SUPPLEMENTAL FIGURE 3



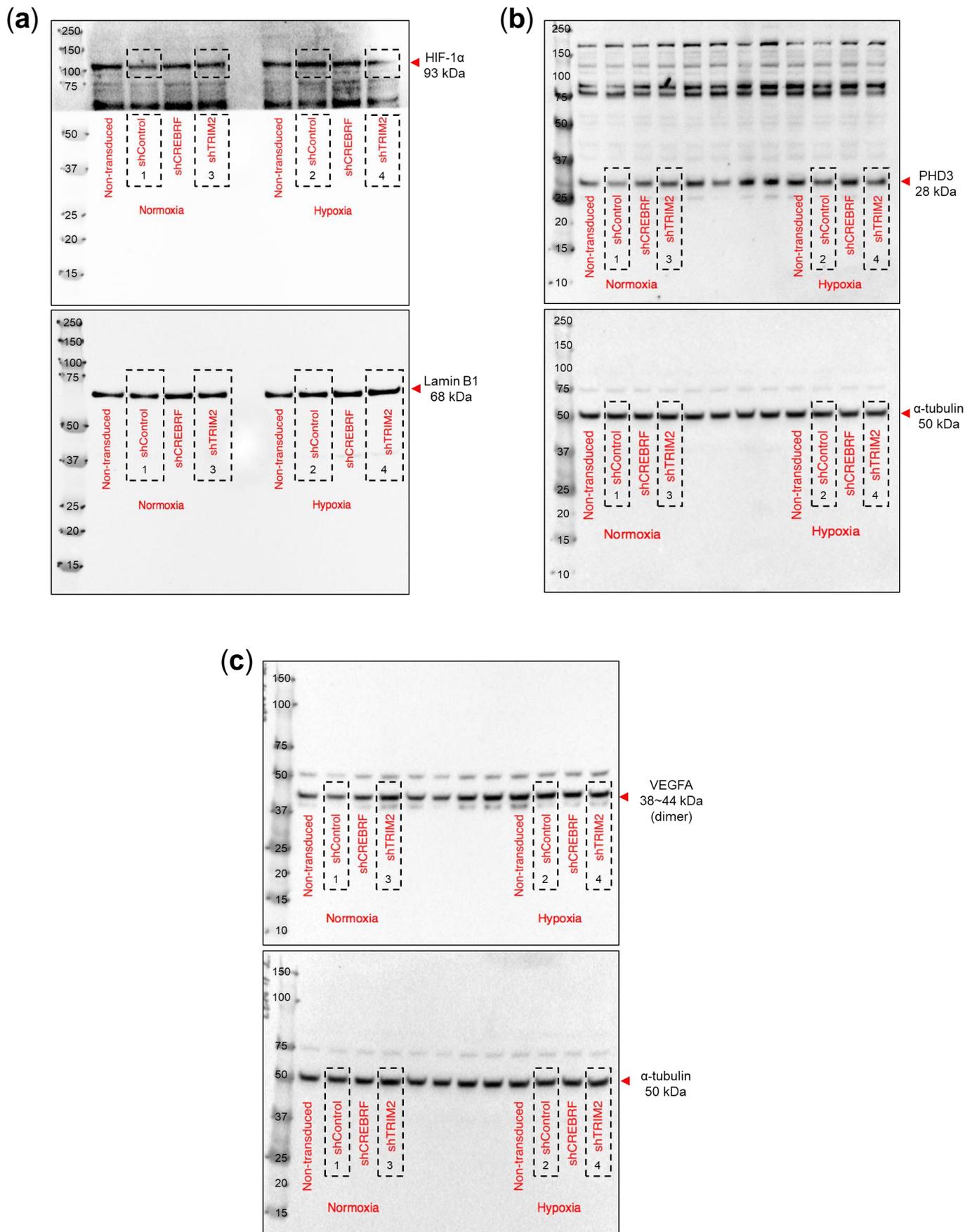
**Supplemental Figure 3:** Full blots of **(a)** NFκB p65 and Lamin B1 for Figure 3h; **(b)** HIF-1α and Lamin B1 for Figure 3i; **(c)** PHD3 and α-tubulin for Figure 3j; and **(d)** VEGFA and α-tubulin for Figure 3k. Dotted lines show the cropping location and the order in which the bands are presented.

# SUPPLEMENTAL FIGURE 4



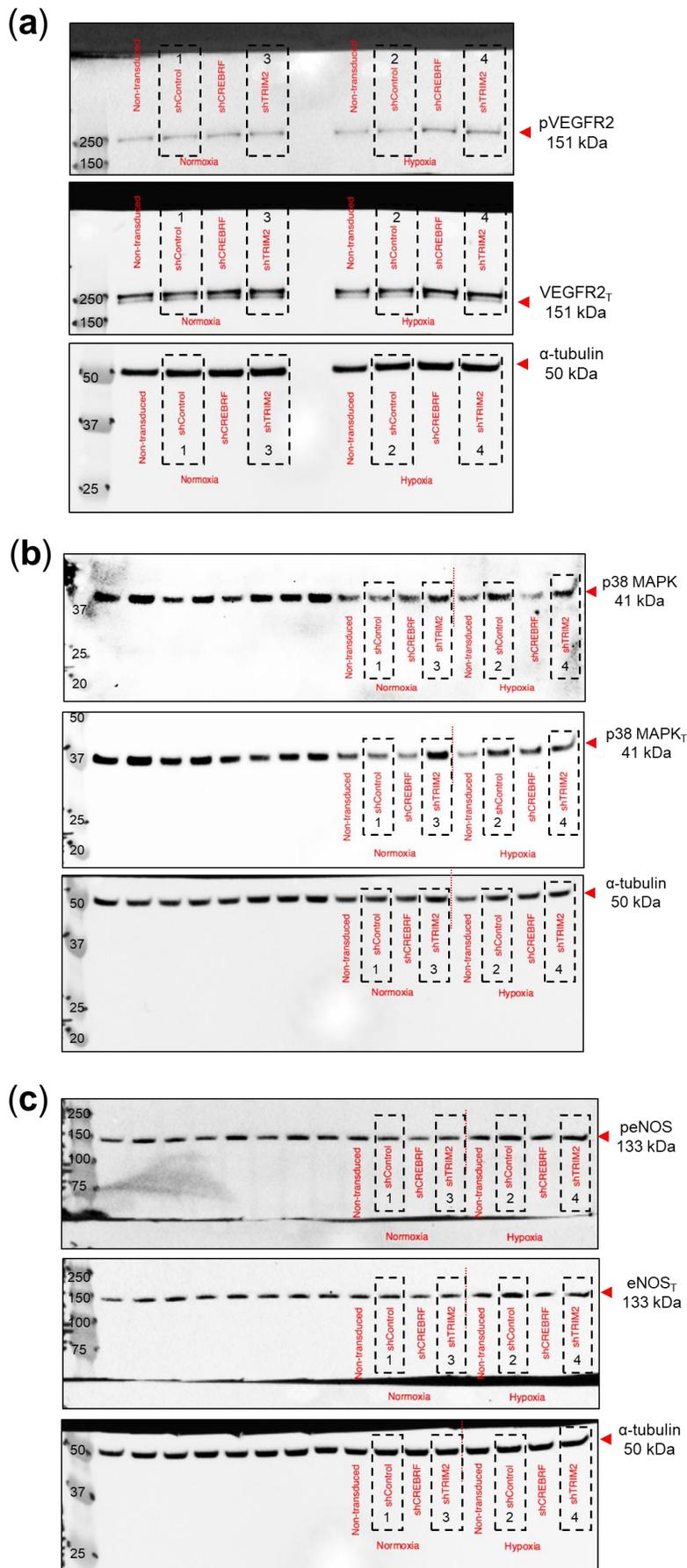
**Supplemental Figure 4:** Full blots of **(a)** phosphorylated (Tyr<sup>1175</sup>) VEGFR2, total VEGFR2 and  $\alpha$ -tubulin for Figure 3l; **(b)** phosphorylated (Thr<sup>180</sup>/Tyr<sup>182</sup>) p38 MAPK, total p38 MAPK and  $\alpha$ -tubulin for Figure 3m; and **(c)** phosphorylated (Ser<sup>1177</sup>) eNOS, total eNOS and  $\alpha$ -tubulin for Figure 3n. Dotted lines show the cropping location and the order in which the bands are presented.

# SUPPLEMENTAL FIGURE 5



**Supplemental Figure 5:** Full blots of **(a)** HIF-1 $\alpha$  and Lamin B1 for Figure 5g; **(b)** PHD3 and  $\alpha$ -tubulin for Figure 5h; and **(c)** VEGFA and  $\alpha$ -tubulin for Figure 5i. Dotted lines show the cropping location and the order in which the bands are presented.

# SUPPLEMENTAL FIGURE 6



**Supplemental Figure 6:** Full blots of **(a)** phosphorylated (Tyr<sup>1175</sup>) VEGFR2, total VEGFR2 and  $\alpha$ -tubulin for Figure 5j; **(b)** phosphorylated (Thr<sup>180</sup>/Tyr<sup>182</sup>) p38 MAPK, total p38 MAPK and  $\alpha$ -tubulin for Figure 5k; and **(c)** phosphorylated (Ser<sup>1177</sup>) eNOS, total eNOS and  $\alpha$ -tubulin for Figure 5l. Dotted lines show the cropping location and the order in which the bands are presented.