Investigating the real role of HIF-1 and HIF-2 in iron recycling by macrophages

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Figure S1A: HIF-1 and HIF-2 mRNA expression in F4/80 macrophages of the spleen of WT and HIF KO mice: Spleen macrophages were isolated from WT and HIF KO littermates (n=3 per group). To isolate F4/80+ cells from WT and HIF KO mice, spleen were treated with biotin-labeled anti-Ter119, anti-CD3, and anti-CD45R mAbs (BD) and then incubated with anti-biotin microbeads (Invitrogen) to deplete these populations. These depleted cells were stained with an anti-F4/80-mAb and macrophage fractions were collected using a FACSJazz (BD). Statistical significance was evaluated by one-way ANOVA analysis followed by a Bonferroni posttest; **p < 0.01; ***p < 0.001.

Figure S1B: Iron homeostasis parameters 9 days after PHZ treatment: 12 week-old WT, HIF-1αΔM and HIF-2αΔM male mice (n ≥ 3) were injected for 2 consecutive days with 50 mg/kg of PHZ or PBS and killed 9 days after the last injection. The mice were maintained on an iron deficient diet immediately after the first injection.
**Figure S2**: Statistical values of Figure 2. Analysis was performed using GraphPad Prism 5.0 and statistical significance was evaluated by two-way ANOVA analysis followed by a Bonferroni posttest; ns: not significant; *p < 0,05; **p < 0,01; ***p < 0,001