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

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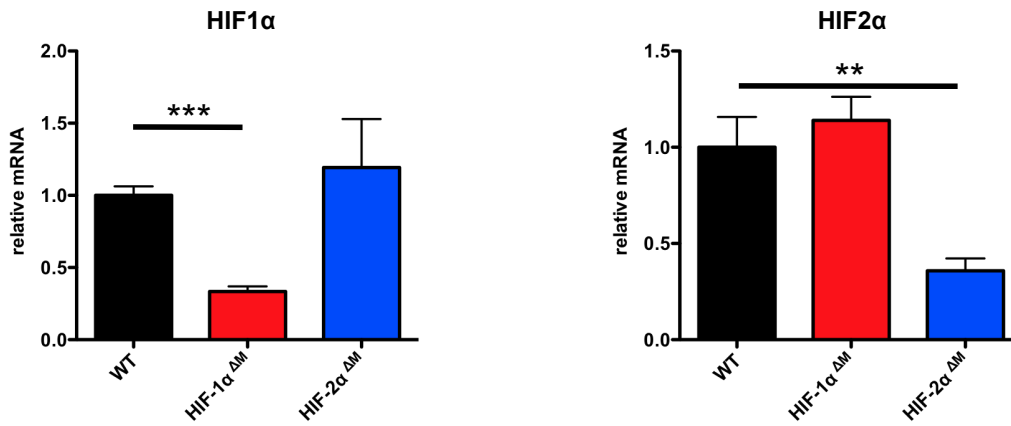
A**FIGURE S1**

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.

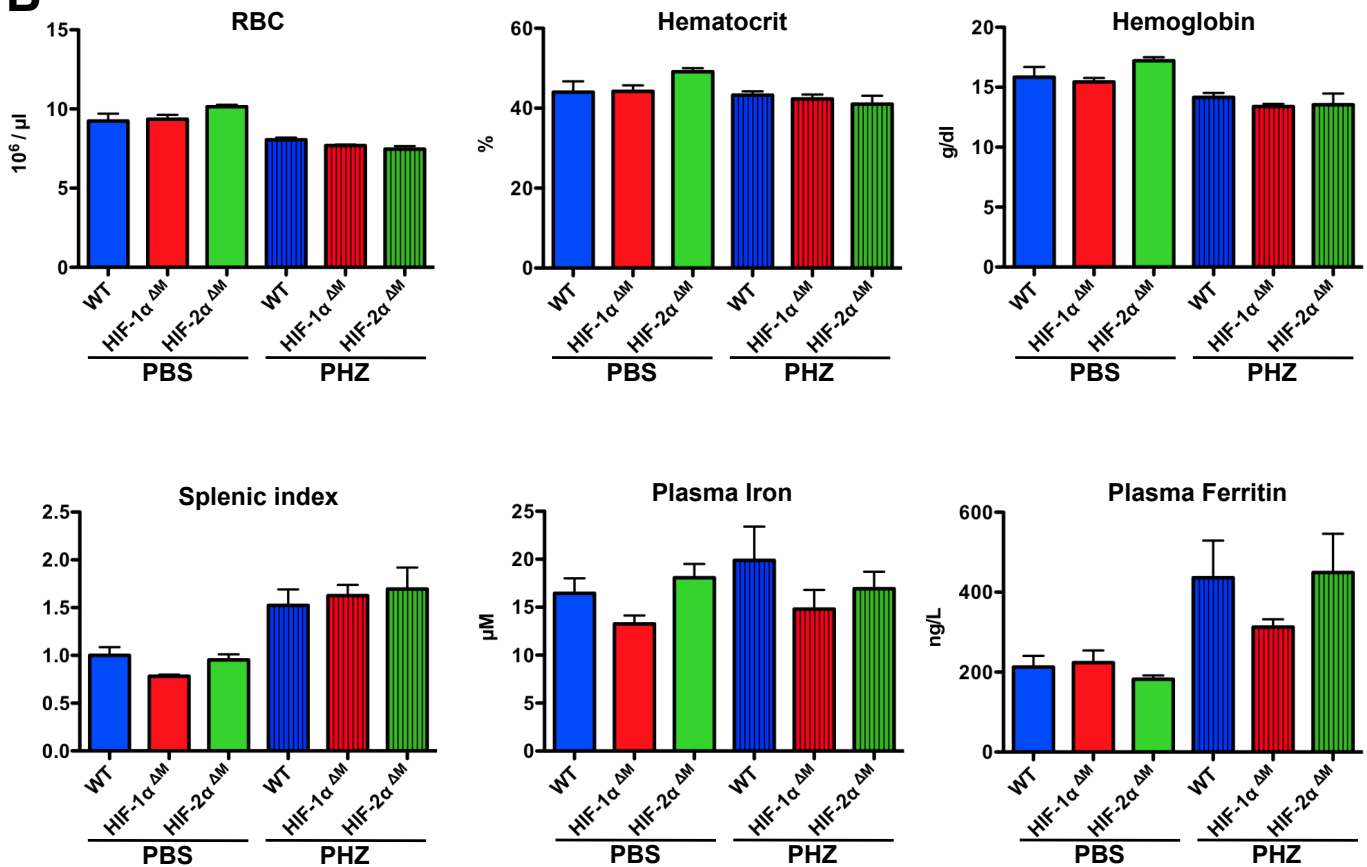
B

Figure S1B : Iron homeostasis parameters 9 days after PHZ treatment : 12 week-old WT, HIF-1α^{ΔM} and HIF-2α^{ΔM} 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.

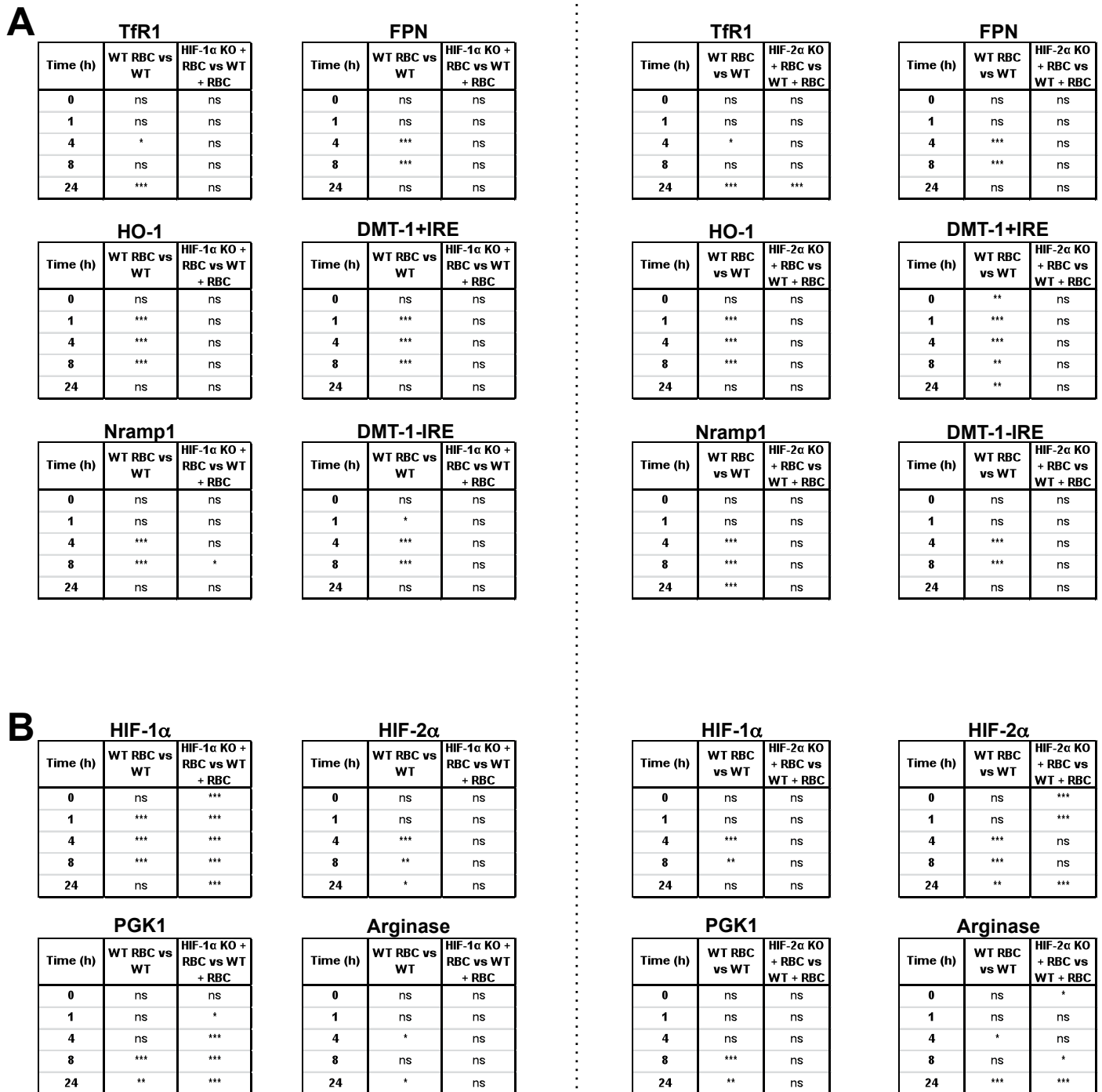


Figure S2 : Statistical values of Figure 2. Analysis was performed using GraphPad Prism 5.0 and statistical significance was evaluated by two-way ANOVA analysis followed by a Bonferroni posttest; ns: not significant; *p < 0,05; **p < 0,01; ***p < 0,001