

Figure S1: Turnover rates of iron flux from plasma into periphery and of return fluxes and/or loss of iron from the periphery. This figure summarizes the main flux estimates from the ferrokinetic data (supplementary table 8). They apply to the three different dietary conditions (iron-deficient – red; iron-adequate – blue; iron-loaded – green), expressed as μg per mouse per day.

Iron Distribution from Plasma

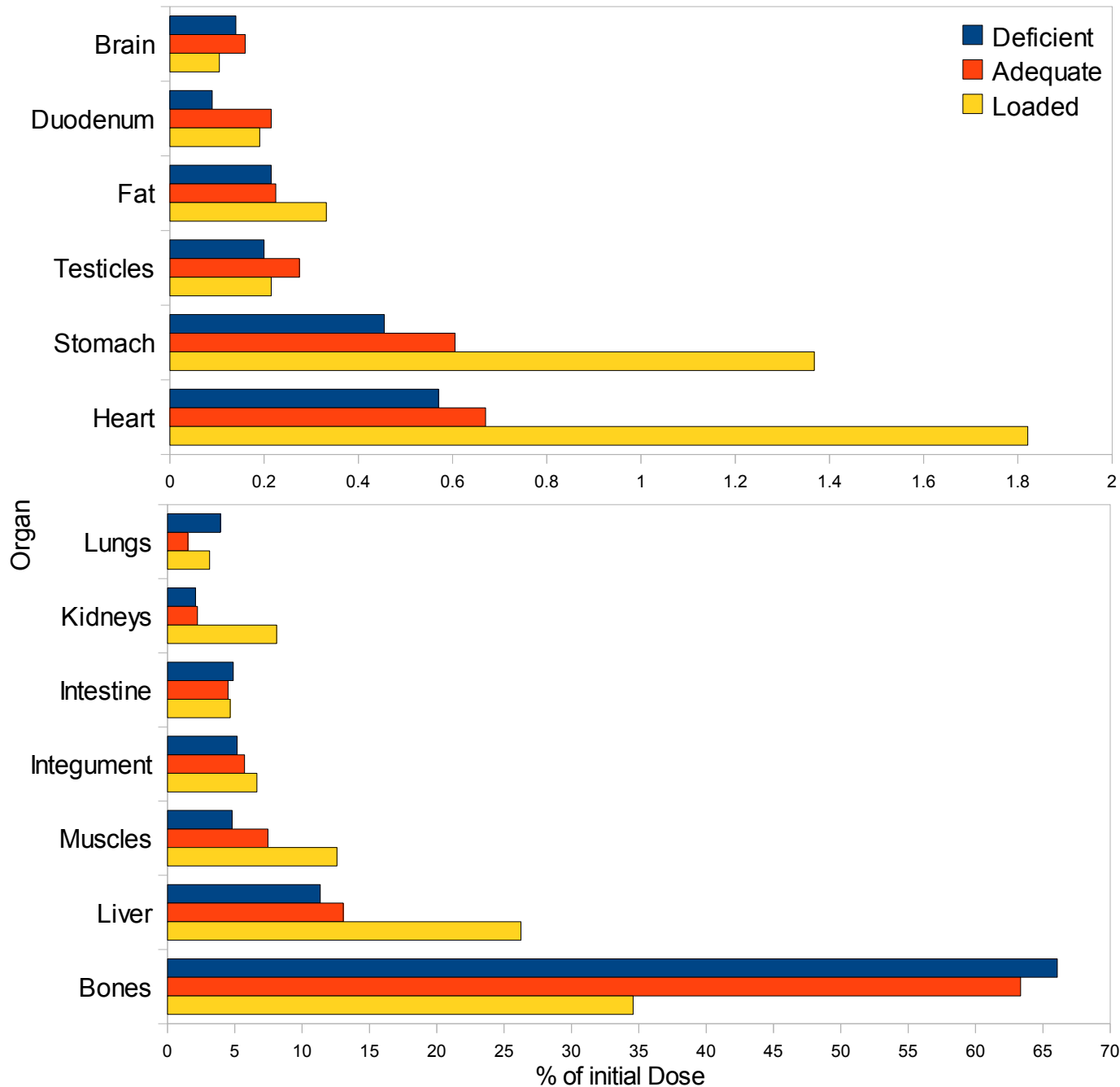


Figure S2: Iron Distribution into the Peripheral Compartments

This column diagram shows the relative share of peripheral compartments of the transferrin-bound iron leaving the central plasma / Extravascular Fluid (EVF) compartment. It is expressed as % of the initial tracer dose.

Absolute Fluxes into Organs

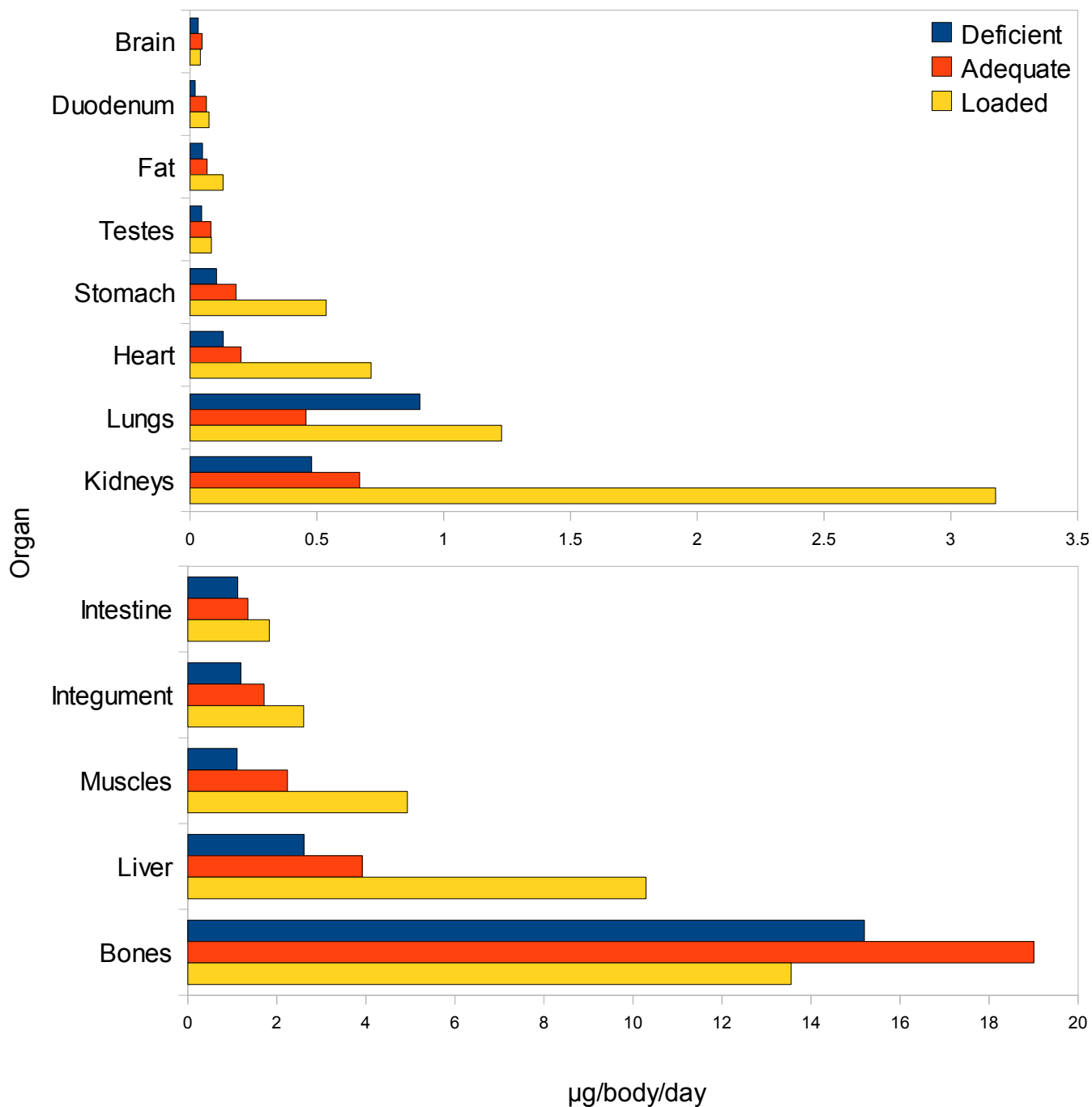


Figure S3: Iron Turnover Rate in the Peripheral Compartments

This flux rate (μg per day per 25 g mouse) was calculated from plasma iron content (supplementary table 9) and the fractional clearance rate into the respective compartment (table 1). Note the two scales.

Calculated Peripheral Pool Sizes

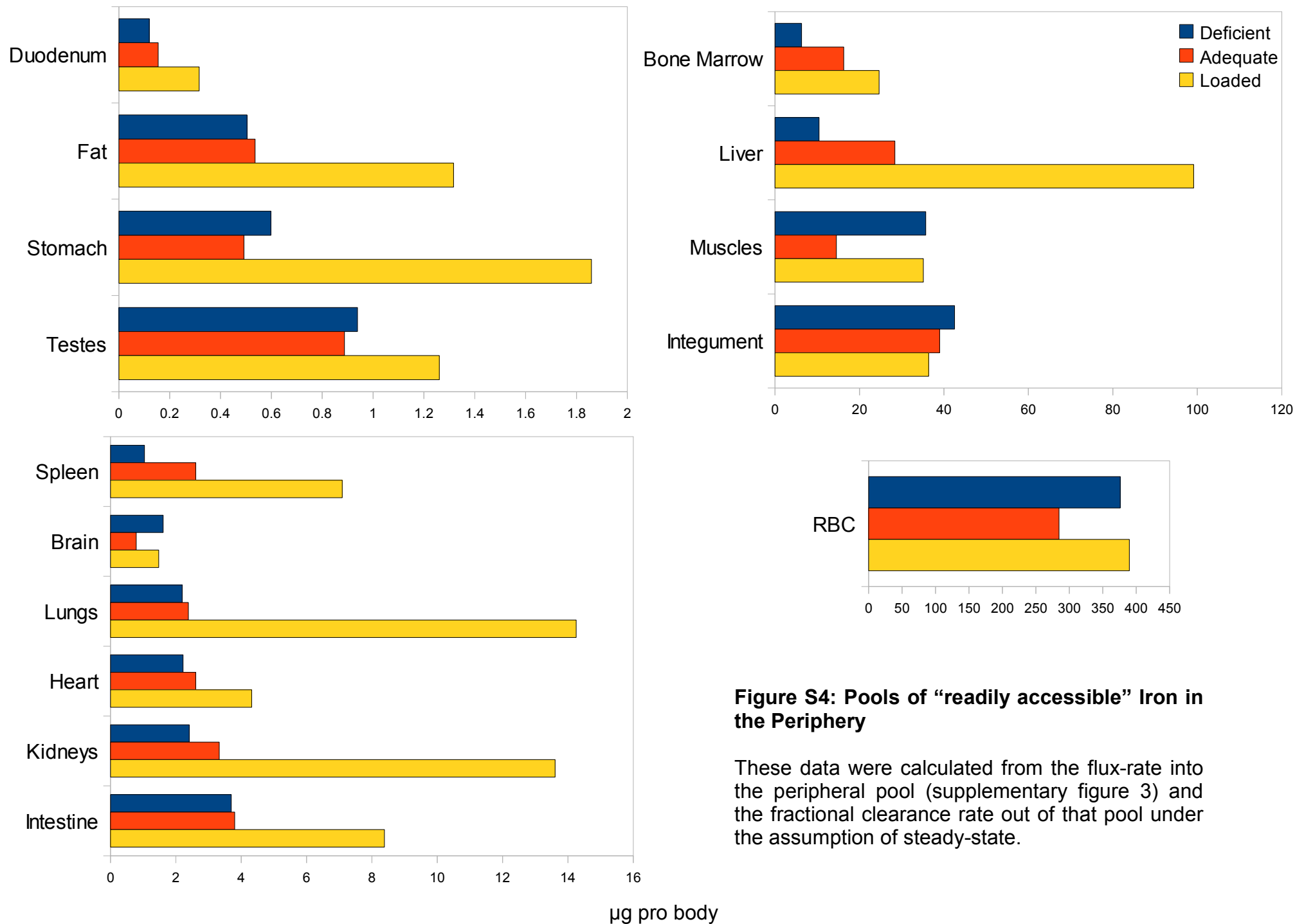


Figure S4: Pools of “readily accessible” Iron in the Periphery

These data were calculated from the flux-rate into the peripheral pool (supplementary figure 3) and the fractional clearance rate out of that pool under the assumption of steady-state.