Supplementary

Figure S1. Ferritin and transferrin concentrations in the plasma and mRNA expression in the livers of male and female Nrf2 KO and WT mice fed a standard chow diet. Fe parameters were detected by ELISA (A, B). mRNA expression of Nqo1, Fpn1, and MT2 was analyzed by qPCR (C–E). Scatter dot plot with mean (n = 7). Bars represent means + SD (n = 6–7). ***p < 0.001 vs. WT and *p < 0.05; ###p < 0.001 vs. male (two-way ANOVA with Bonferroni’s post-test).

Figure S2. NQO1 mRNA (A) and activity (B) in the duodenum of male Nrf2 KO and WT mice fed diets with defined Se content (–Se: 0.03 ppm; +Se: 0.15 ppm; ++Se: 0.6 ppm). mRNA expression was analyzed by qPCR and normalized to Rpl13a and Epcam. Bars represent means + SD (n = 3–4). ***p < 0.001 vs. WT and *p < 0.05; ###p < 0.001 vs. –Se (two-way ANOVA with Bonferroni’s post-test).