## Long-Term and Daily Use of Molecular Hydrogen Induces Reprogramming of Liver Metabolism in Rats by Modulating NADP/NADPH Redox Pathways

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А В 60-110-Liver HMGR activity (U/L) 100 Liver CYP7A1 activity (U/L) 55 90 50 80 45 70 40 60 35 50 CTRL HRW CTRL HRW HI ΗI С D 200. 0.4 Serum glucagon (ng/L) Serum insulin (ug/L) 0.3 150 0.2 100 0.1 50 0.0 0 CTRL HRW HI CTRL HRW ΗI

**Supplementary figure 4** 

Change in the enzymatic activity of HMGR and CYP7A1 detected from liver lysates, and serum level of insulin and glucagon of rats exposed daily to  $H_2$  for 6 months. Data are presented as Mean  $\pm$  SEM. \* p-value < 0.05; \*\* p-value <0.01; \*\*\* p-value < 0.001