



**Supplementary Figure S1: Hepatocytic hURI overexpression sensitizes mice to cold-induced stress.** (A) Scheme of  $hURI^{Hep}$  mice sacrificed 6 days after cold exposure ( $5^{\circ}\text{C} \pm 1$ ). (B) Kaplan-Meier curve of  $hURI(+/+)^{Hep}$  [ $n=3$ ] and  $hURI(KI/KI)^{Hep}$  [ $n=3$ ] mice exposed to cold. (C) Core body temperature record of  $hURI(KI/KI)^{Hep}$  [ $n=3$ ] mice exposed to normal RT conditions, and  $hURI(KI/KI)^{Hep}$  [ $n=3$ ] mice exposed to CT for 6 days. (D) Representative images from  $hURI^{Hep}$  mice livers and spleens after CT. (E)  $hURI^{Hep}$  mice hepatic function and liver injury assessed by vet Scan. Statistical analysis was performed using unpaired two-tailed Students t-test and Mantex-Cox test in (B,C). Data are represented as mean  $\pm$  s.e.m from  $n$  independent experiments; \* $p \leq 0.05$ ; scale bars: 2 mm (D).

Supplementary Table S1. Primers used for genotyping.

Allele	Fw/Rv	Sequence
<i>Col1a1</i> hURI	Forward	GCACAGCATTGCGGACATGC
	Reverse	GCAGAAGCGCGGCCGTCTGG
<i>LaptTA</i>	Forward	TCTGAGCATGGCCTCTAA
	Reverse	GCTGGAGTAAATTTACAGTG
	Reverse	TCTCACTCGGAAGGACAT