

## **Integrated stress response of vertebrates is regulated by four eIF2 $\alpha$ kinases**

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## **Additional information**

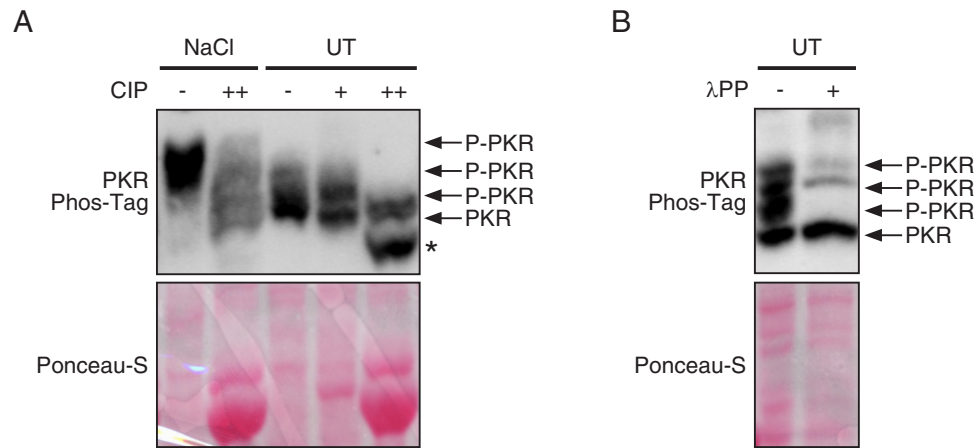
### **Competing financial interests**

The authors have no competing interests as defined by Nature Publishing Group, or other interests that might be perceived to influence the results and/or discussion reported in this paper.

### **Supplementary Information (Figures)**

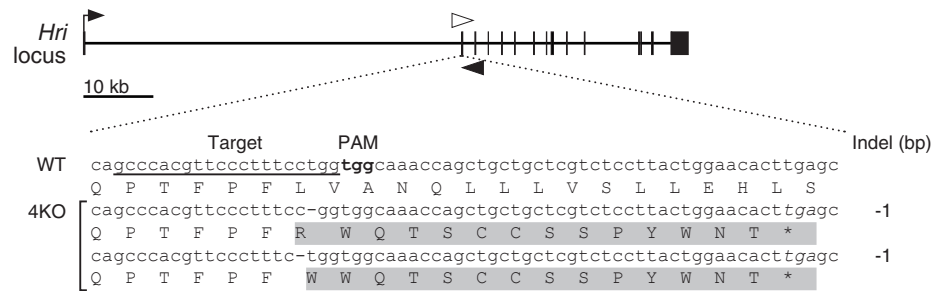
**Supplemental Figure S1.** Validation of protein phosphorylation of PKR

**Supplemental Figure S2.** Sequence information of *Hri* gene editing



**Supplemental Figure 1.** Validation of protein phosphorylation of PKR

(A) Representative immunoblots of phosphorylated PKR in the presence and absence of calf intestinal phosphatase (CIP). Proteins were extracted from the wild-type MEFs 1 h after treatment with mock (UT) or 500 mM NaCl (NaCl). Ponceau S staining served as a loading control. (B) Representative immunoblots of phosphorylated PKR in the presence and absence of Lambda protein phosphatase ( $\lambda$ PP). Proteins were extracted from the wild-type MEFs and Ponceau S staining served as a loading control.



**Supplemental Figure 2.** Sequence information of *Hri* gene editing

Schematic of targeting locus of HRI with the target sequence underscored, PAM in bold type and exons in block boxes. Predicted consequences of the mutation on the amino acid sequences are highlighted. Stop codons are shown as \*.