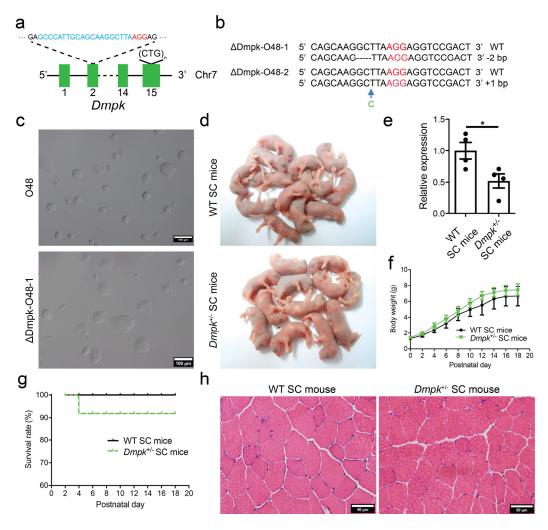
## Supplementary information, Figure S1



**Fig. S1** Generation of  $Dmpk^{+/-}$  SC mice through ICAHCI of haploid cells carrying mutant Dmpk. **a** Schematic of the sgRNA targeting Dmpk. **b** Sequences of the Dmpk gene in two cell lines (ΔDmpk-O48-1 and ΔDmpk-O48-2). **c** WT and mutant haploid cells. Scale bars, 100 μm. **d** Newborn SC pups from ΔDmpk-O48-1 cells (lower panel) and O48 cells (upper panel). **e** Transcription analysis of Dmpk in  $Dmpk^{+/-}$  and WT mice (n = 4 per group). Unpaired Student's t-test, \*t < 0.05. **f** Body weight analysis of t and WT SC mice (t > 10 per group, means t SD). **g** Survival curves of t muscle sections from t MT SC mice (t > 10 per group). **h** Representative images of TA muscle sections from t MT SC mice. Scale bars, 50 μm.