

Supplementary Material

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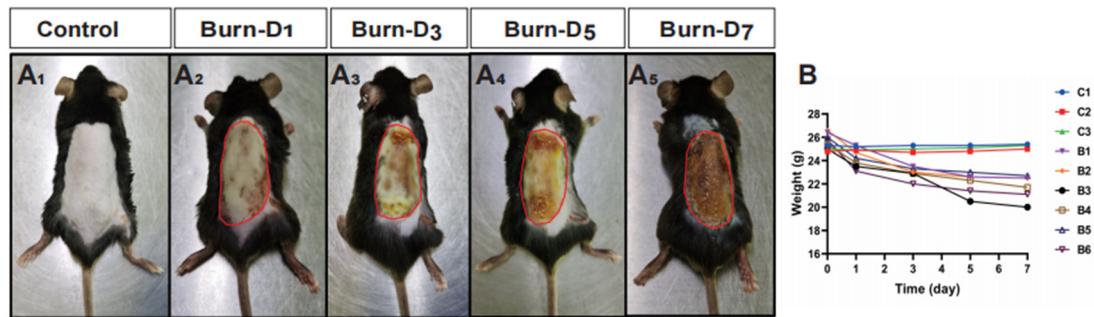


Figure S1. Establishment of burn mouse model. (A) Renderings of the scab area on the back of mice in the Burn group and the Control group. (B) Body weight statistics of Burn group and Control group for 7 consecutive days after burns.

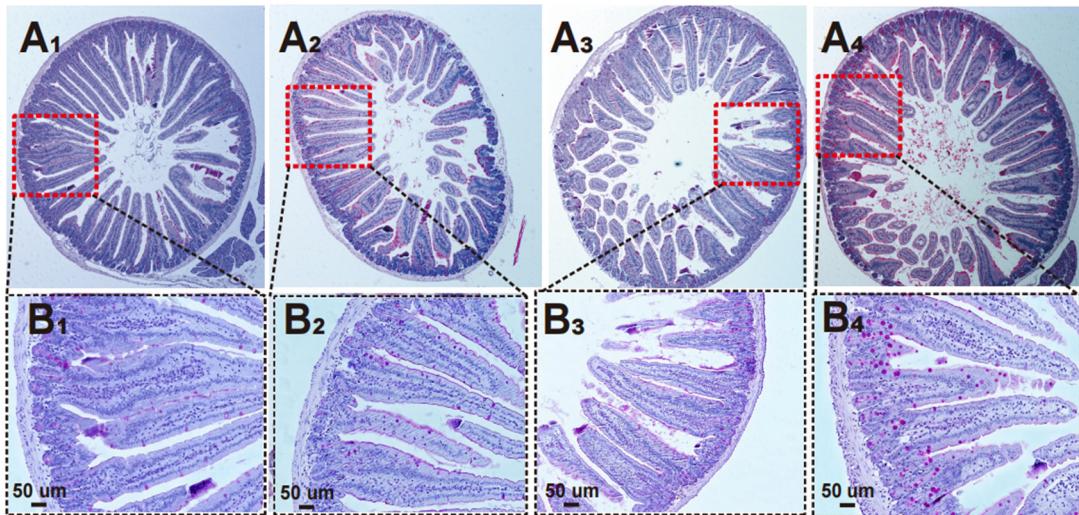


Figure S2. Effects of Gln treatment on pathological damage of the small intestine after burns injury. The black arrow represents the site of injury in the small intestine. (A₁–A₄) Representative full-transverse sections of the proximal jejunum from control and Gln-treated mice stained with PAS staining: (A₁) Control group; (A₂) Burn group; (A₃) Gln group; (A₄) Burn+Gln group. (B₁-B₄) Enlarged image at the black box in B₁-B₄ (n=6).

Table S1. List of primer

| Name | Forward primer | Reverse primer |
|--------------|------------------------|------------------------|
| MSTI | CTTCCACTACAACATGAGCAGC | TGCAGGTCCGCACATAATCTT |
| Yap | TGAGATCCCTGATGATGTACCA | TGAGATCCCTGATGATGTACCA |
| Cdk4 | CAGTCTCAGTGTGAGCCG | TGCTCCTCCATTAGGAACCTC |
| Olfm4 | CAGCCACTTCCAATTCACTG | GCTGGACATACTCCTCACCTTA |
| cdk2 | GCTGGACATACTCCTCACCTTA | CAGTCTCAGTGTGAGCCG |
| Sox9 | CAGCCCCTCAACCTTCCTC | TGATGGTCAGCGTAGTCGTATT |
| cdk1 | AGGTACTTACGGTGTGGTGTAT | CTCGCTTCAAAGTCTGATCTCT |
| PCNA | TTGCACGTATATGCCGAGACC | GGTGAACAGGCTCATCATCTCT |