

## Supplementary information

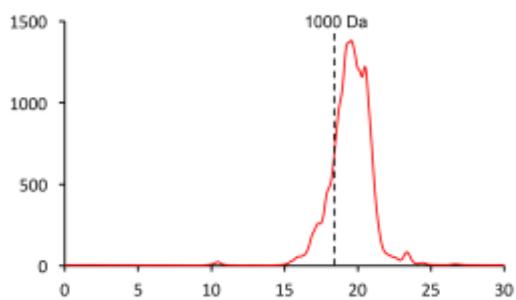


Fig. S1 Molecular weight distribution of Alaska pollock skin derived collagen peptides.

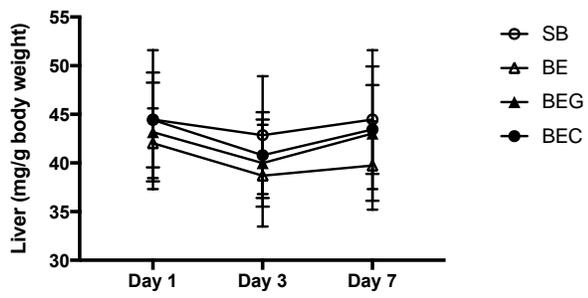


Fig. S2 Liver index change of mice in sham burn (SB), burn + basic enteral nutrition (BE), burn + basic enteral nutrition + glutamine (BEG) and burn + basic enteral nutrition + collagen peptides (BEC) groups over the 7-day study period. Data are presented as mean  $\pm$  SD, n=8.

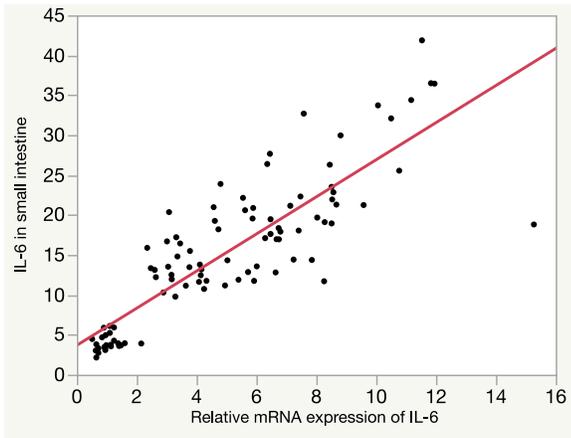
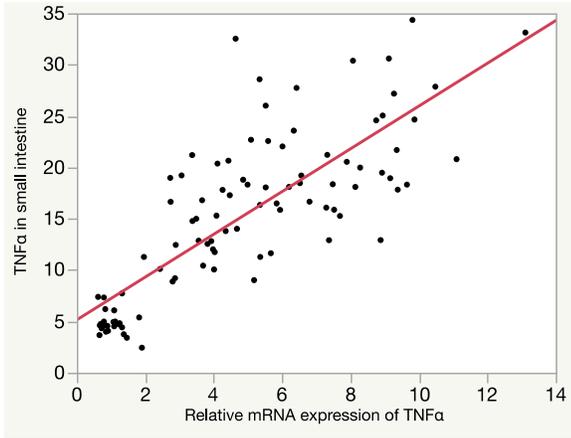


Fig. S3 Bivariate fit of intestinal TNF $\alpha$  and IL-6 by their relative mRNA expression correspondingly.

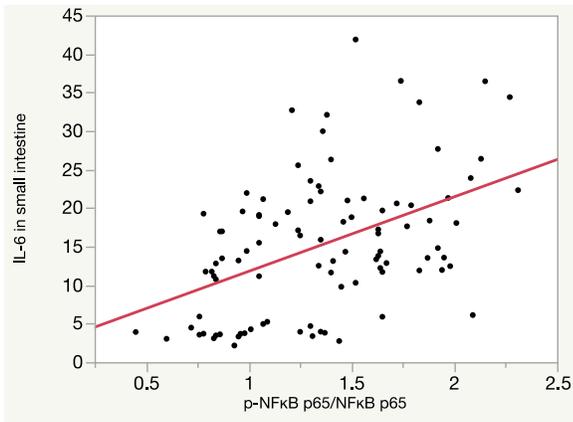
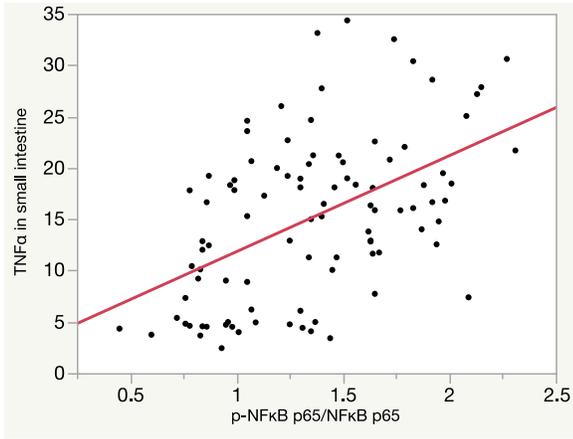


Fig. S4 Bivariate fit of intestinal TNF $\alpha$  and IL-6 by p-NF $\kappa$ B p65/NF $\kappa$ B p65.