

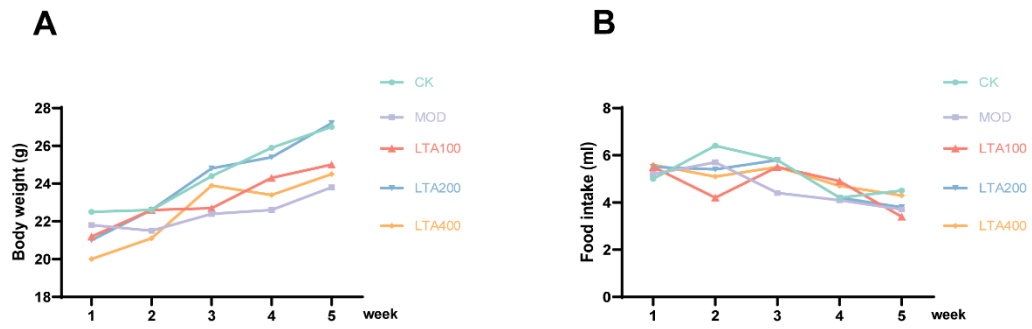


Figure S1. Evolution of body weight and food intake of mice during the course of the feeding.

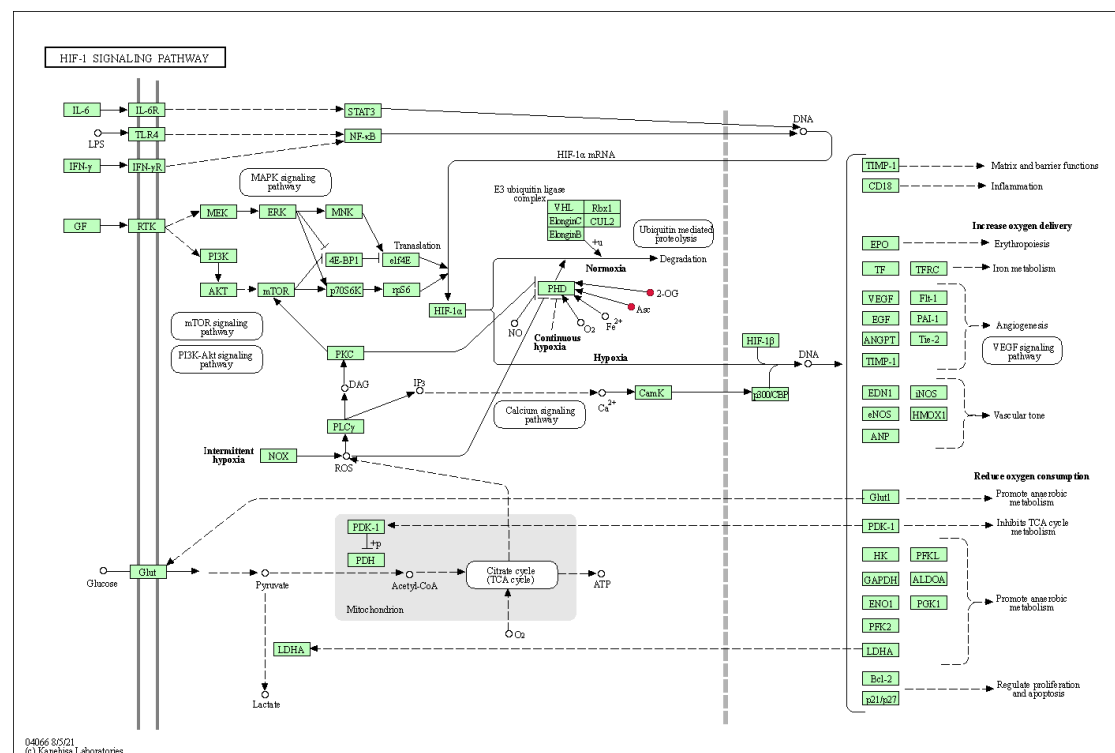


Figure S2. KEGG map of HIF-1 signaling pathway

Table S1 Histological scoring criteria

score	inflammation	lymphoid tissue	intestinal villus	Intestinal gland
0	none	none	none	none
1	occasional	occasionally seen lymphoid follicles	distorted and deformed intestinal villi	irregular morphology of intestinal glands
2	inflammation of submucosa cells	mild hyperplasia of lymphatic tissue	shortening of small intestinal villi	reduced number of intestinal glands
3	inflammation of the submucosa and lamina propria	severe hyperplasia of lymphatic tissue	large amount of intestinal villi becoming shorter	
4	extensive inflammation of the submucosa and lamina propria		intestinal villus autolysis	

Table S2 Related gene primer sequences

Gene Name	Forward nucleotide sequence primers (5'-3')	Reverse nucleotide sequence primers (5'-3')
<i>HIF-1α</i>	GGATGAGTTCTGAACGTCGAAA	GGGGAAGTGGCAACTGATGA
<i>PHD</i>	TTACCCAGGCAACGGAACAG	CAGTTATTGCGTACCTTGGCG
<i>TLR4</i>	GGAATGTCATCAGGGACTTTGC	GGAATGTCATCAGGGACTTTGC
<i>NF-κB</i>	GCATTCTGACCTTGCCTATCT	CTCCAGTCTCCGAGTGAAGC
<i>Claudin1</i>	AGCTGTGCATGGCCTCTTGT	CCAATGTCAATGGCAACACC
<i>Occludin</i>	TGGCAAAGTGAATGGCAAGC	TCATAGTGGTCAGGGTCCGT
<i>ZO-1</i>	GAGCCCCCTAGTGATGTGTG	AGACCAACCGTCAGGAGTCA
<i>IFN-γ</i>	TGAACGCTACACACTGCATCT	GTTGCTGATGGCCTGATTGTC
<i>TNF-α</i>	CCCTCACACTCACAAACCAC	ACAAGGTACAACCCATCGGC
<i>β-actin</i>	GGCTGTATTCCCTCCATCG	CCAGTTGGTAACAATGCCATG