

Supplemental data

Table S1 Standard of disease activity index (DAI) score.

Table S2 Primers used for qRT-PCR.

Fig. S1 EPS86 and SEPS86 improved the cognitive dysfunction caused by acute colitis in mice.

Table S1 Standard of disease activity index (DAI) score.

DAI score	Body weight loss	Stool consistency	Fecal bleeding
0	0-1	Normal	Normal
1	1-5	Soft but still formed	Reddish
2	5-10	Soft	Mild bleeding
3	10-15	Very soft and diarrhea	Moderate bleeding
4	15-20	Diarrhea	Gross bleeding

Table S2 Primers used for qRT-PCR.

Target genes	Primer sense (5'-3')	Primer antisense (5'-3')
TNF- α	GCCTCTTCTCATTTCCTGCTTG TGG	GTGGTTTGTGAGTGTGAGGGT CTG
IL-6	CTTCTTGGGACTGATGCTGGT GAC	TCTGTTGGGAGTGGTATCCTC TGTG
Claudin-1	GCTGGGTTTCATCCTGGCTTC TC	CCTGAGCGGTCACGATGTTGT C
Mucin-2	CCTGAAGACTGTCGTGCTGT	GGGTAGGGTCACCTCCATCT
GAPDH	AGAAGGTGGTGAAGCAGGCA TC	CGAAGGTGGAAGAGTGGGAG TTG

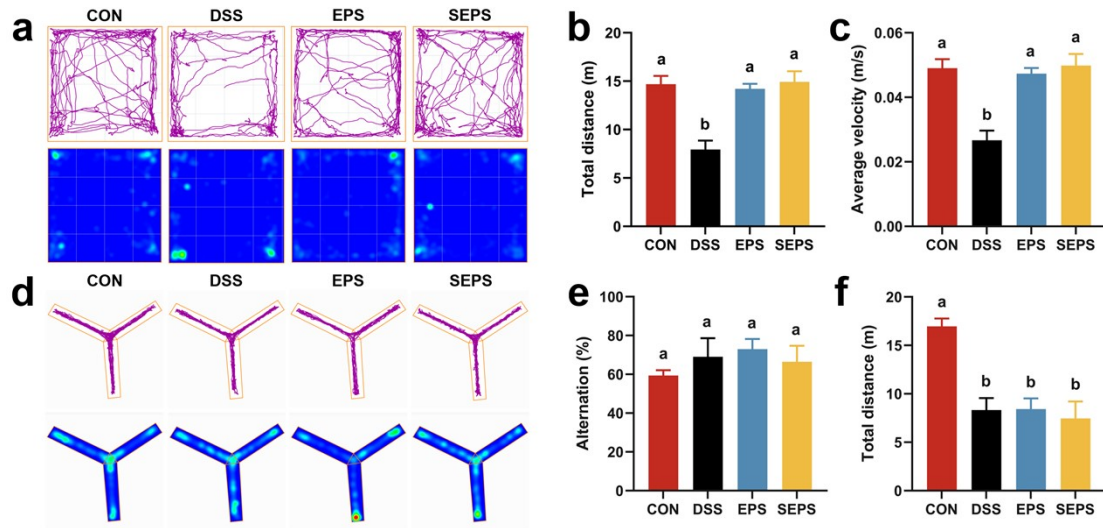


Fig. S1 EPS86 and SEPS86 improved the cognitive dysfunction caused by acute colitis in mice. (a-c) For the open field test (OFT), representative movement tracks and heat maps are shown, and the total traveled distance and average movement velocity were measured. (d-f) For the Y-maze test, representative movement tracks and heat maps are shown, and the spontaneous alternation rate and total traveled distance were calculated. Data are expressed as mean \pm SEM ($n = 6$). Different letters indicate significant differences among group ($p < 0.05$).