

Supplementary materials

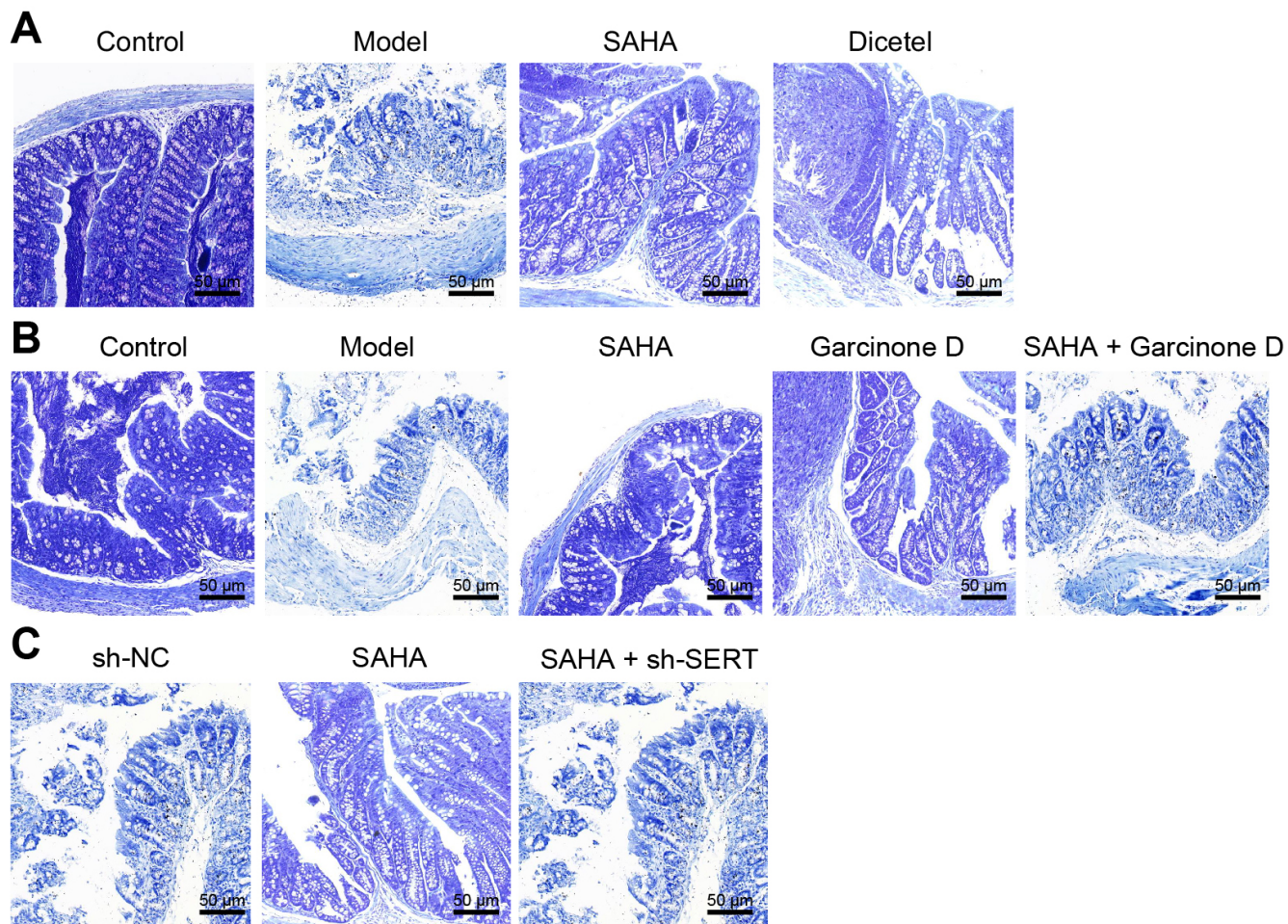


Figure S1 Representative toluidine blue staining images of mast cells in the colon tissues of rats in each group

A: Representative toluidine blue staining images of mast cells in the colon tissues of rats in the control, model, and SAHA treatment groups; B: Representative toluidine blue staining images of mast cells in the colon tissues of rats in the model, SAHA, Garcinone D and SAHA + Garcinone D groups; C: Representative toluidine blue staining images of mast cells in the colon tissues of rats in the sh-NC, SAHA and SAHA + sh-SERT groups.

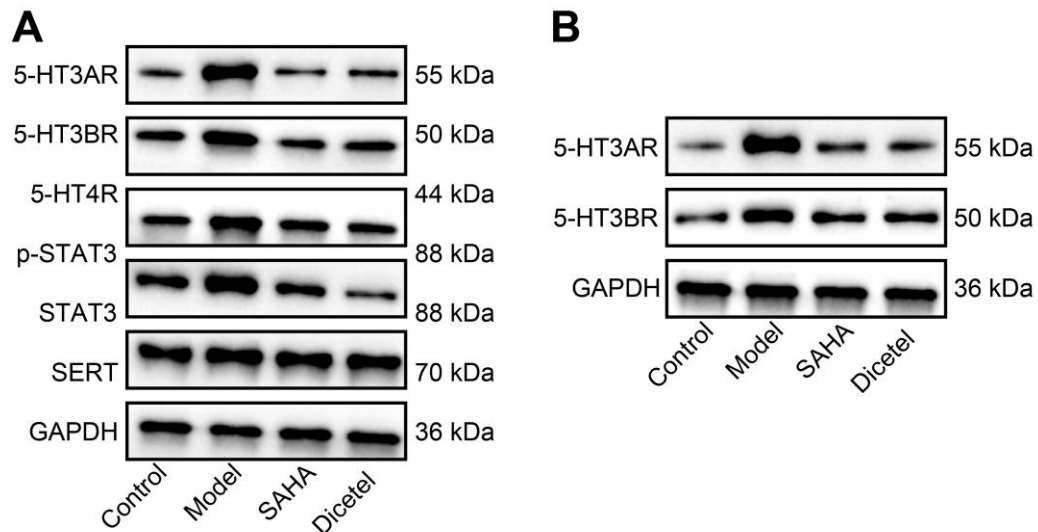


Figure S2 Representative Western blots of 5-HT3AR, 5-HT3BR, 5-HT4R, SERT, STAT3, and p-STAT3 in the colon tissues of rats in each group.

A: Representative Western blots of 5-HT3AR, 5-HT3BR, 5-HT4R, SERT, STAT3, and p-STAT3 in the colon tissues of rats in each group; B: Representative Western blots of 5-HT3AR and 5-HT3BR in the spinal cord tissues of rats in each group.

Table S1 Primer sequences

	Primer sequence (5' to 3')	Primer length
5-HT3AR upstream primers	AGAAGTGAGGTCCGGACAAGAGCAT	
5-HT3AR downstream primer	TGAGGAAGATACTGGGCAGCAAG	197
5-HT3BR upstream primer	AGGTCTTTTCTGAATGACAGCGAG	
5-HT3BR downstream primer	CAATGGACATCTGCGAATCACTAC	126
5-HT4R upstream primer	TTTCAGACGTGCCTTCCTTATCA	143
5-HT4R downstream primer	CACCACATTCCACTGTATCCCTTA	
SERT upstream primer	ATAGCCAACATGCCAGCATCCAC	170
SERT downstream primer	ACCACGATGAGCACGAACCATTC	
STAT3 upstream primers	TTTGAGACAGAGGTGTACCACCAAG	118
STAT3 downstream primer	ACCACAGGATTGATGCCCAAG	
GAPDH upstream primer	CCTTCCGTGTTCTACCCC	131
GAPDH downstream primer	GCCCAGGATGCCCTTTAGTG	