

Supplementary Information

Table S1. RT-qPCR amplified primers

Table S2. Effect of 2'-FL and BB536 on body weight, food intake and water intake in constipated mice

Fig. S1 The contents of DA and 5-HT in the prefrontal and hippocampus (n=3). (A) DA in prefrontal cortex. (B) DA in hippocampus. (C) 5-HT in prefrontal cortex. (D) 5-HT in hippocampus.

Fig. S2 KEGG pathway statistics were predicted according to PICRUSt analysis.

Table S1. RT-qPCR amplified primers

Name	Forward primer (5'-3')	Reverse primer (5'-3')
c-Kit	GGCCTCACGAGTTCTATTTACG	GGGGAGAGATTTCCCATCACAC
SCF	AGCTTGACTACTCTTCTGGACA	TGGCCTCTTCGGAGATTCTTTT
PSD-95	TCCGGGAGGTGACCCATTC	TTTCCGGCGCATGACGTAG
TNF- α	CCCTCACACTCACAAACCAC	ACAAGGTACAACCCATCGGC
SNAP-25	ATCCGCAGGGTAACAAATGATG	CGGAGGTTTCCGATGATGC
AQP9	GGCTCTTTATGCGACTTTTGGT	CAAAGGCCATGAGTCCGTCA
β -action	GATATCGCTGCGCTGGTCG	CATTCCCACCATCACACCCT

Table S2. Effect of 2'-FL and BB536 on body weight, food intake and water intake in constipated mice

Group	Category		
	Body weight (g)	Food intake (g/d)	Water intake (mL/d)
NC	26.65 \pm 1.32 ^a	4.34 \pm 0.27 ^a	5.74 \pm 0.66 ^a
MC	24.75 \pm 0.90 ^a	4.06 \pm 0.40 ^a	6.25 \pm 0.32 ^a
PC	25.71 \pm 1.00 ^a	3.98 \pm 0.22 ^a	6.02 \pm 0.38 ^a
2'-FL	25.98 \pm 0.81 ^a	3.99 \pm 0.27 ^a	5.93 \pm 0.44 ^a
BB536	25.38 \pm 0.91 ^a	4.03 \pm 0.30 ^a	6.35 \pm 0.36 ^a
2'-FL+BB536	25.11 \pm 1.09 ^a	4.12 \pm 0.32 ^a	6.16 \pm 0.51 ^a

Note: Data are expressed as mean \pm standard deviation (n=7). Different letters indicate statistically significant differences ($P < 0.05$).

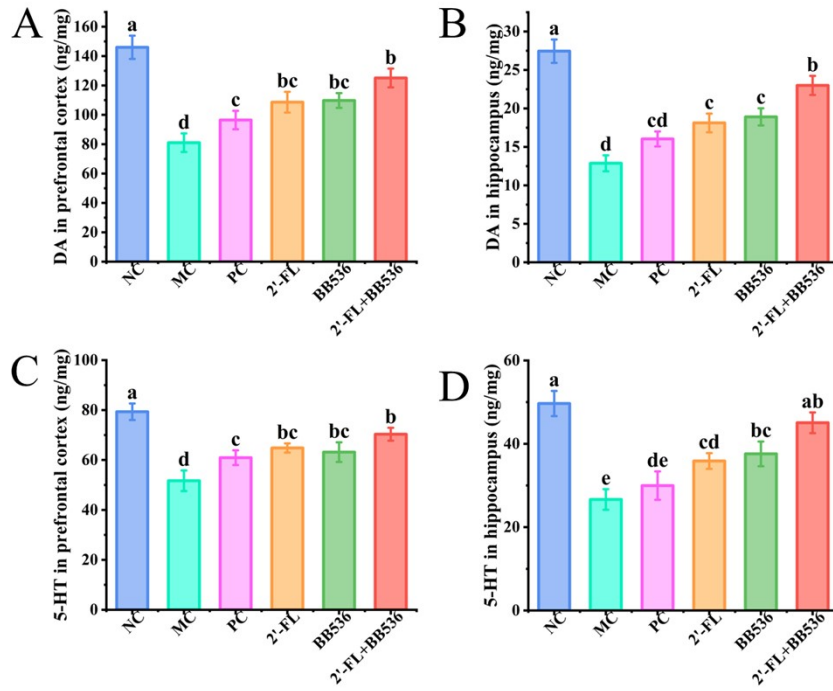


Fig. S1

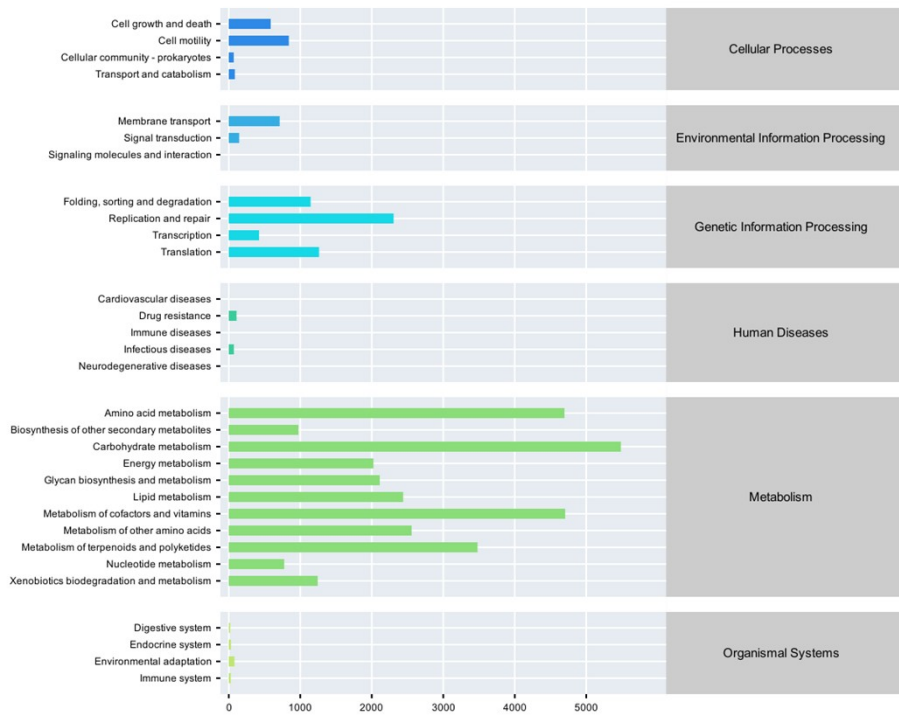


Fig. S2