

Supporting Information

Divergently Regulation of Different Dose Sucrose Consumption on Gut Microbiota and PPAR- γ /MAPK/NF- κ B Pathway in DSS-Induced Colitis Mice

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Supplementary Table S1. Disease Activity Index Score

| Disease Activity Index Score | | | |
|------------------------------|--------------------------------|-------------------|-----------------|
| score | Rectal bleeding | Stool consistency | Weight loss (%) |
| 0 | none | normal | 0 |
| 1 | occult blood negative | soft but formed | 1-5 |
| 2 | occult blood positive slightly | loose | 6-10 |
| 3 | occult blood positive | mild diarrhea | 11-15 |
| 4 | gross bleeding | severe diarrhea | > 15 |

The final macroscopic score for each animal is the average of these three separate scores.

Supplementary Table S2. Sequence of the primers used in this study [sequence 5'-3']

| Gene | Forward | Reverse |
|----------------|----------------------------|----------------------------|
| β -actin | CTACCTCATGAAGATCCTGACC | CACAGCTTCTCTTTGATGTCAC |
| IL-6 | CTCCCAACAGACCTGTCTATAC | CCATTGCACAACCTCTTTTCTCA |
| TNF- α | ATGTCTCAGCCTCTTCTCATTC | GCTTGTCACTCGAATTTTGAGA |
| IL-1 β | AAGGGCTGCTTCCAAACCTTTGAC | TGCCTGAAGCTCTTGTTGATGTGC |
| ZO-1 | CTGGTGAAGTCTCGGAAAAATG | CTGGTGAAGTCTCGGAAAAATG |
| Occludin | ACG GAC CCT GAC CAC TAT GA | TCA GCA GCA GCC ATG TAC TC |
| Claudin-1 | AGATACAGTGCAAAGTCTTCGA | CAGGATGCCAATTACCATCAAG |
| PPAR- γ | CCAAGAATACCAAAGTGCGATC | TCACAAGCATGAACTCCATAGT |