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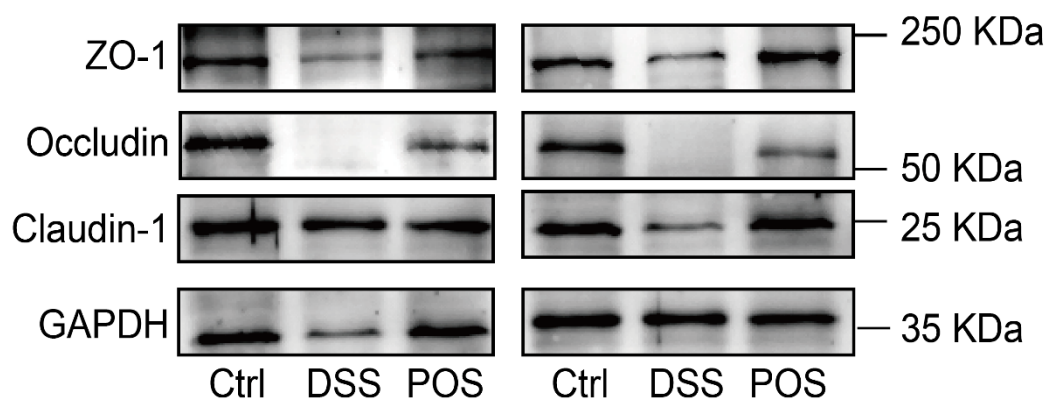


Figure S1. Supplementary images for Western Blot.

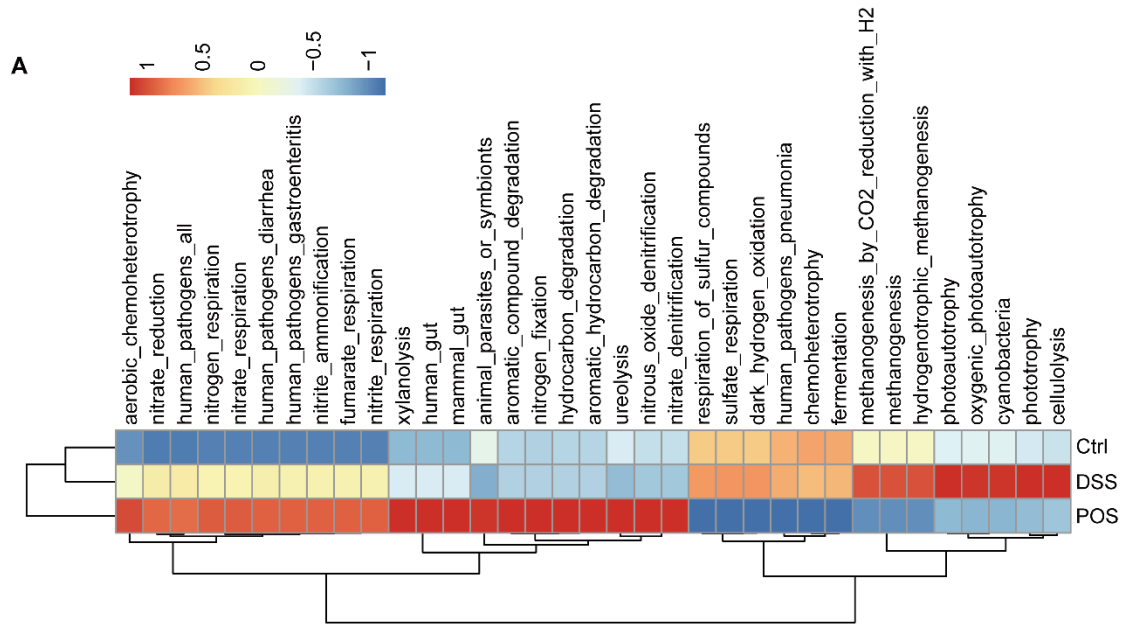


Figure S2. Functional analysis of the microbiota.

Table S1. Food intake for each group.

	Ctrl	DSS	POS
Day 1	15.36 g (n=6)	15.84 g (n=6)	14.77 g (n=6)
Day 2	15.76 g (n=6)	16.75 g (n=6)	13.56 g (n=6)
Day 3	16.04 g (n=6)	15.52 g (n=6)	12.32 g (n=6)
Day 4	13.56 g (n=6)	9.74 g (n=6)	10.01 g (n=6)
Day 5	15.68 g (n=6)	7.48 g (n=6)	6.79 g (n=6)
Day 6	14.37 g (n=6)	3.18 g (n=5)	7.00 g (n=6)
Day 7	15.20 g (n=6)	2.00 g (n=4)	3.10 g (n=5)

Table S2. The primers sequences used for PCR reaction.

Gene name	Primers sequence
GAPDH	F: GGTTGTCTCCTGCGACTTCA R: TGGTCCAGGGTTTCTTACTCC
IL-17A	F: GTTAGGGTGCTTTAGGTCC R: TAACAATGAGTTTCTGTACG
IL-10	F: GGTTGTTCGTCTCATTCTGAAAGA R: GGTAGAGGACCCAAGTTCGTTAAGA
IL-6	F: CTTCTTGGGACTGATGCTGGTGAC R: AGGTCTGTTGGGAGTGGTATCCTC
TNF- α	F: ATGTCTCAGCCTCTTCTCATTC R: GCTTGTCACTCGAATTTTGAGA
IL-1 β	F: TCGCAGCAGCACATCAACAAGAG R: AGGTCCACGGGAAAGACACAGG
IFN- γ	F: CTTGAAAGACAATCAGGCCATC R: CTTGGCAATACTCATGAATGCA
ZO-1	F: CTGGTGAAGTCTCGGAAAAATG R: CATCTCTTGCTGCCAAACTATC
Occludin	F: TGCTTCATCGCTTCCTTAGTAA R: GGGTTCACTCCCATTATGTACA
Claudin-1	F: AGATACAGTGCAAAGTCTTCGA R: CAGGATGCCAATTACCATCAAG

F: Forward; R: Reverse