

Supplementary Figure 2

a

| Days | →D0 | D1 | D2 | D3 | D4 | D5 | D6 | D7 | D8 | D9 | D10 | D11 | D12 | D13 | D14→D20 | D21 |
|---------|---------|--------------------|----|----|----|----|----|------------------------------|----|----|-----------|-----|-----|-----|---------|-----|
| Stage | Acclim. | DSS 1.5% treatment | | | | | | | | | Follow-up | | | | | |
| InvColi | | | | | | | | | | | | | | | | |
| Blood | | | | | | | | | | | | | | | | |
| Faeces | | | | | | | | | | | | | | | | |
| Tissue | | | | | | | | | | | | | | | | |
| | | | | | | | | SC | | | | MC | | | WR | EE |
| | | | | | | | | Disease Activity Index (DAI) | | | | | | | | |

b

| Weight Loss | Stool Consistency | Bleeding |
|---------------------|----------------------|--------------------------------|
| 0 = 0 - 5% | 0 = formed | 0 = normal color stool |
| 1 = 5 - 10% | 1 = mild-soft | 1 = brown color stool |
| 2 = 10 - 15% | 2 = very soft | 2 = reddish color stool |
| 3 = 15 - 20% | 3 = watery | 3 = bloody stool |
| 4 ≥ 20% | | |

c

| Feature | Score | Description |
|----------------------------|-------|-------------|
| Loss of epithelium | 0 | None |
| | 1 | 0 - 5% |
| | 2 | 5 - 10% |
| | 3 | > 10% |
| Crypt elongation | 0 | None |
| | 1 | Mild |
| | 2 | Moderate |
| | 3 | Severe |
| Depletion of goblet cells | 0 | None |
| | 1 | Mild |
| | 2 | Moderate |
| | 3 | Severe |
| Immune system infiltration | 0 | None |
| | 1 | Mild |
| | 2 | Moderate |
| | 3 | Severe |

Supplementary Figure S2

(a) Schematic representation of the experimental design. SC = start of colitis; MC = maximum of colitis; WR = weight recovery; EE = end of experiment; DSS = dextran sulfate sodium. (b) Score assignment of clinical parameters used for DAI (disease activity index) calculation on DSS-induced colitis. (c) Score values used for the measurement of the histological degree of DSS-induced colitis.