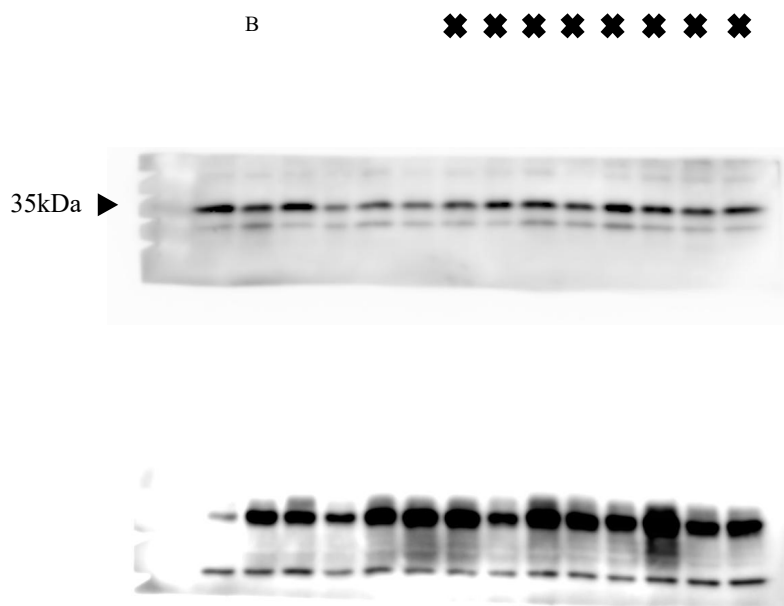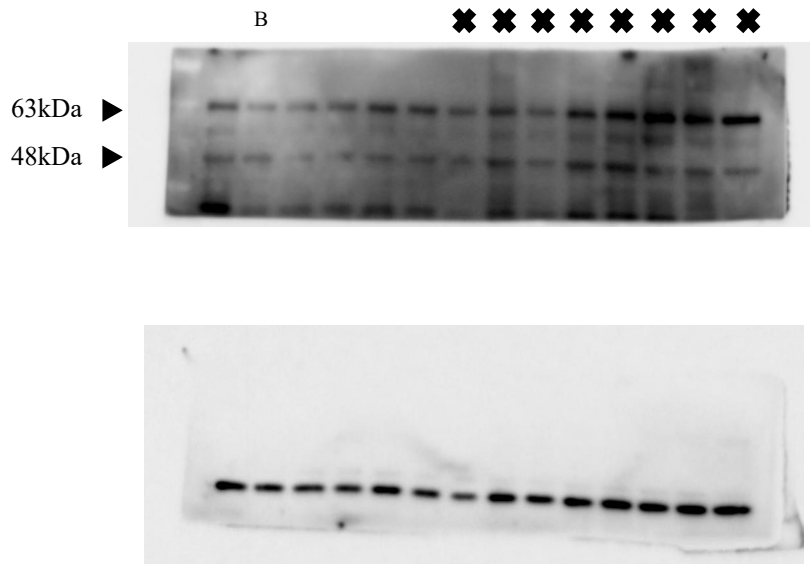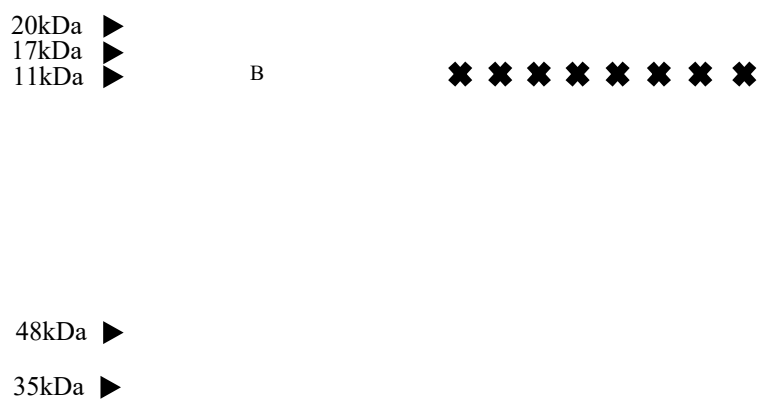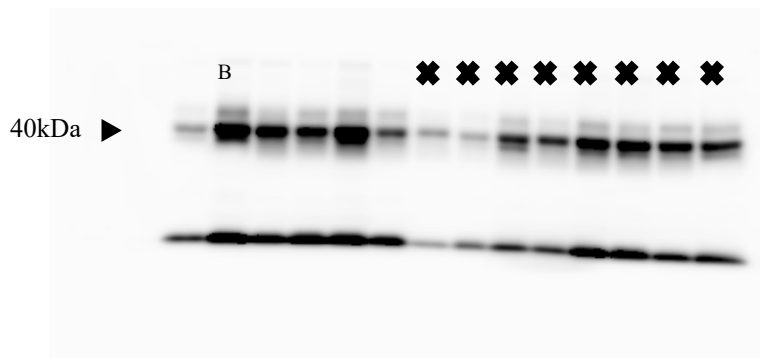**Supplementary Figure 1**

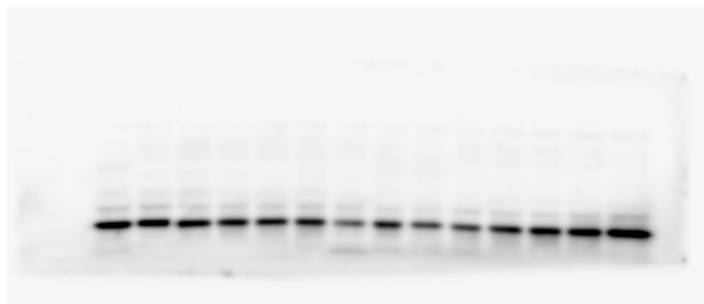**(a) Raw images of Occludin (63kDa) and GAPDH (35kDa)**

(b) Raw images of Claudin-1 (19kDa) abd GAPDH (35kDa)

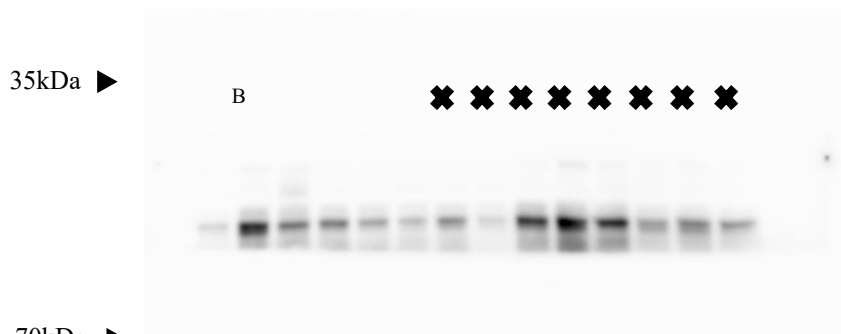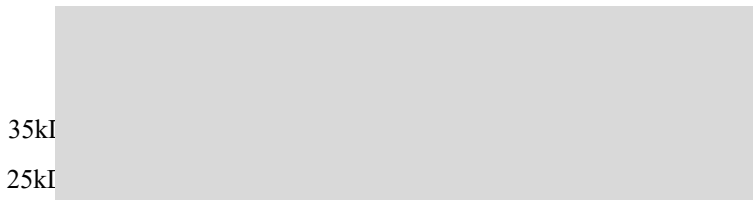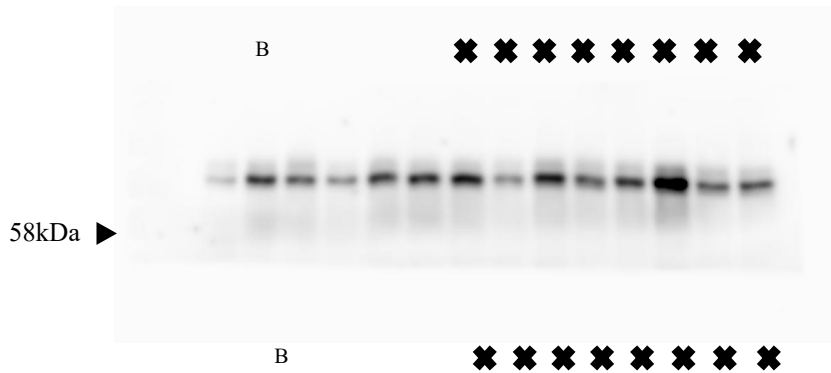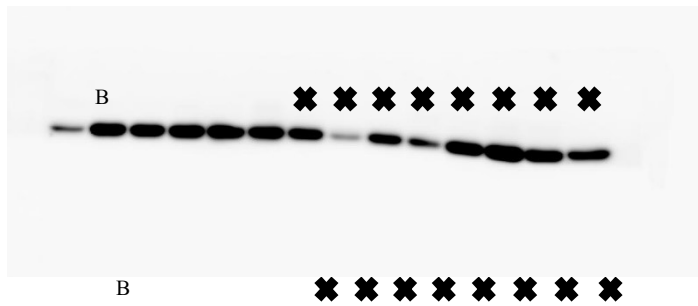**(c) Raw images of P-IκBα (40kDa) and GAPDH (35kDa)**

(d) Raw images of COX2 (70kDa) and GAPDH (35kDa)

B

58kDa ▶

B

35kI
25kI

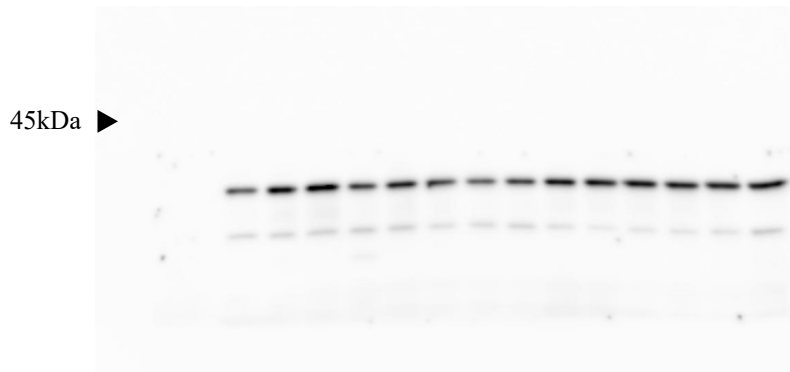**(e) Raw images of T-bet (58kDa) and GAPDH (35kDa)**

B

B

(f) Raw images of GATA3 (45kDa) and GAPDH (35kDa)

58kDa ▶

35kDa ▶

45kDa ▶

B   ✖ ✖ ✖ ✖ ✖ ✖ ✖

35kDa ▶

(g) Raw images of IFN-γ (25kDa) and GAPDH (35kDa)

25kDa ▶

B
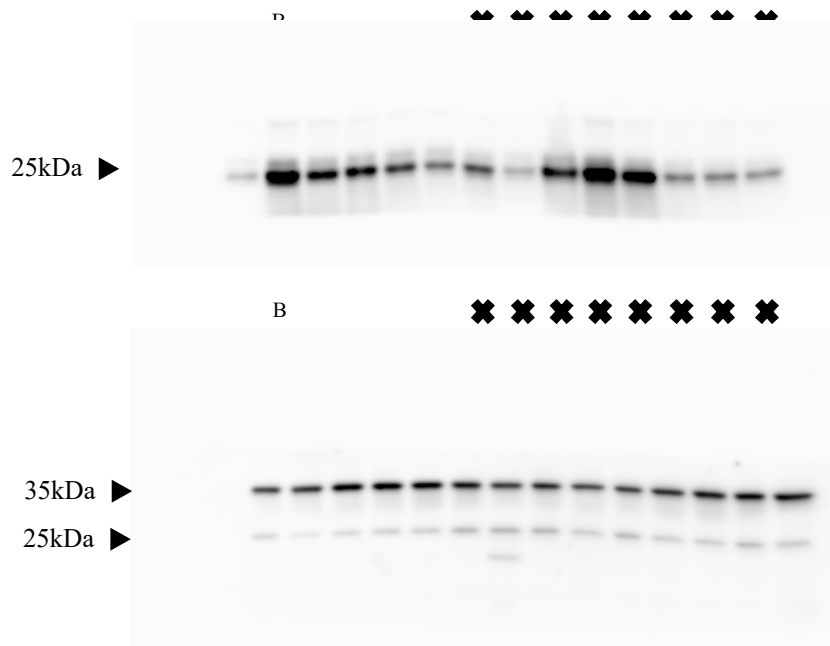
25kDa ▶

35kDa ▶
25kDa ▶

(h) Raw images of TGF-β1 (25kDa) and GAPDH (35 kDa)

B

25kDa ▶

B
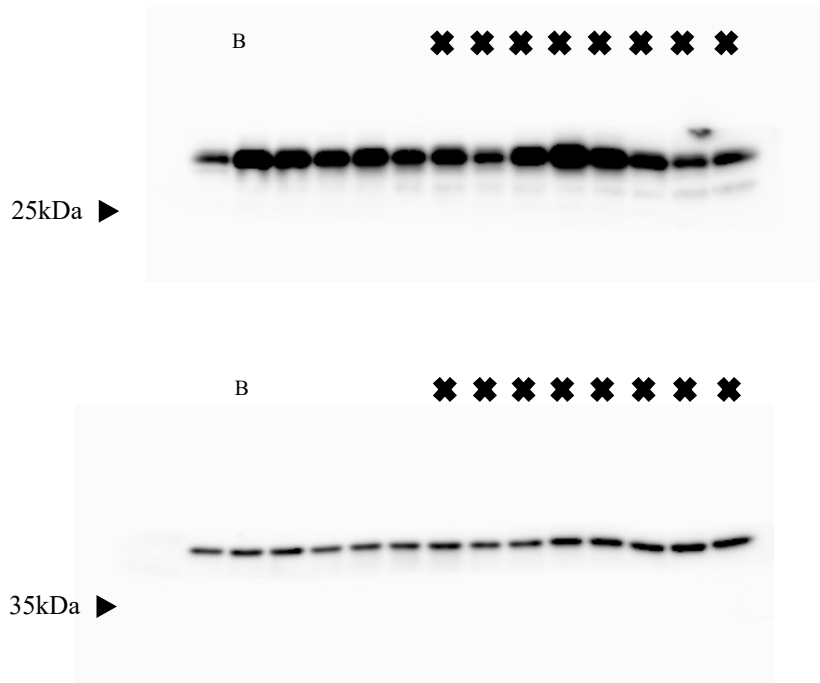
35kDa ▶

(i) Raw images of Smad7 (60kDa) and GAPDH

B

60kDa ▶

35kDa ▶

25kDa ▶
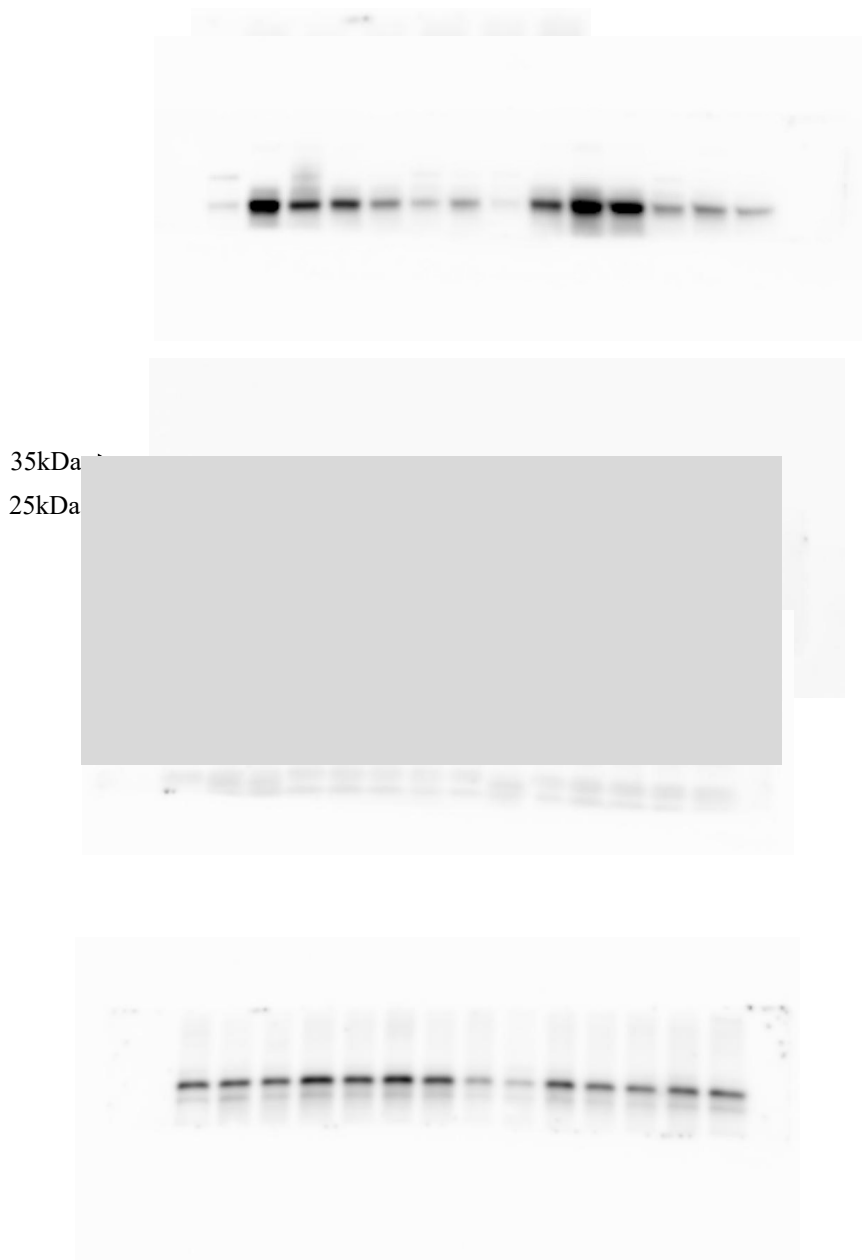
(j) Raw images of p-Smad2/3 (55kDa) and GAPDH (35kDa

(k) Raw images of Smad4 (60kDa) and GAPDH (35kDa)

55kDa ▶   B   ✖ ✖ ✖ ✖ ✖ ✖ ✖ ✖

60kDa ▶

B   ✖ ✖ ✖ ✖ ✖ ✖ ✖ ✖

Fig. S1 Raw gel images of western blot for (a) Occludin, (b) Claudin-1 (c) P-IκBα, (d) COX2, (e) T-bet (f) GATA3, (g) IFN-γ (h) TGF-β1, (i) Smad7 (j) p-Smad2/3, (k) Smad4

Lanes A-F represent control, DSS, sulfasalazine, 0.1% NAG, 0.3% NAG, and 0.3% NAG-D group, respectively. Lanes not included are denoted by "X"

A : Control, B: DSS, C: Sulfasalazine, D: 0.1% NAG, E: 0.3% NAG, F: 0.3% NAG-D