

Figure S1: SA' and SD' were significantly thicker at 0hrs than BU and CS. At 72 hrs and 120hrs SA' and SD' had no significant difference than BU and CS. (\*\* p < 0.01)

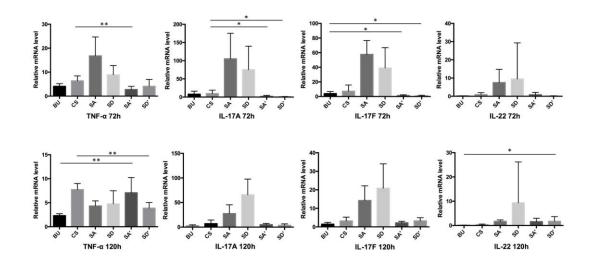


Figure S2: At 72hrs, SA' and SD' presented significantly lower TNF, IL-17A, IL-17F than BU and CS. At 120hrs, TNF-  $\alpha$  was higher for SA' than BU but SD' was lower than CS. (\* p < 0.05, \*\* p < 0.01)

Note: Significance is only compared between SA' and SD' and BU and CS on these figure.