

Interleukin-17 aggravates right ventricular remodeling via activating STAT3 under both normoxia and hypoxia

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Running title: IL-17 and right ventricular remodeling

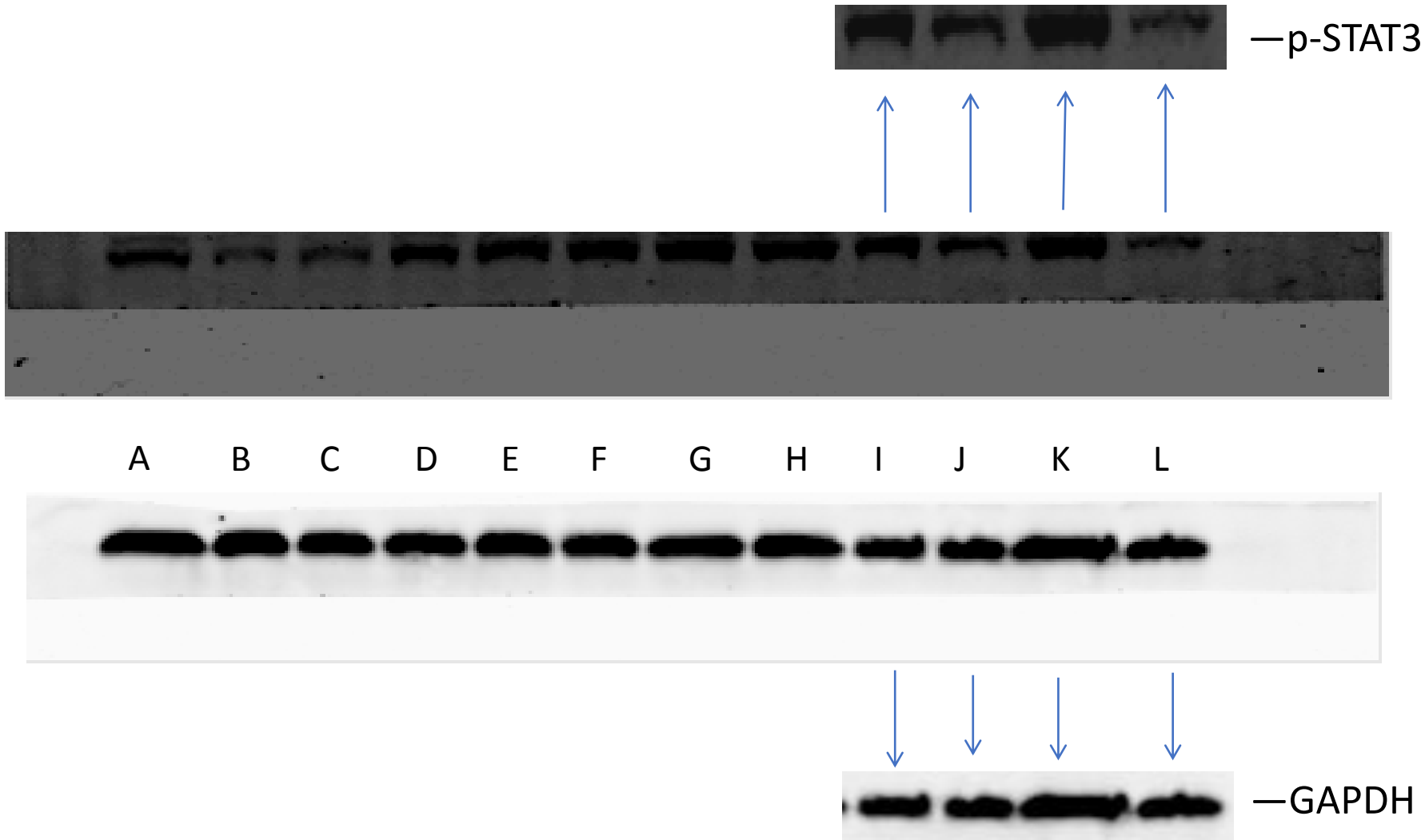


Figure 3C

- A: WT 1
- B: IL17 KO 1
- C: IL17 KO 2
- D: WT 2
- E: WT 3
- F: IL17 KO 3
- G: WT 4
- H: IL17 KO 4
- I: WT 5
- J: IL17 KO 5
- K: WT 6
- L: IL17 KO 6

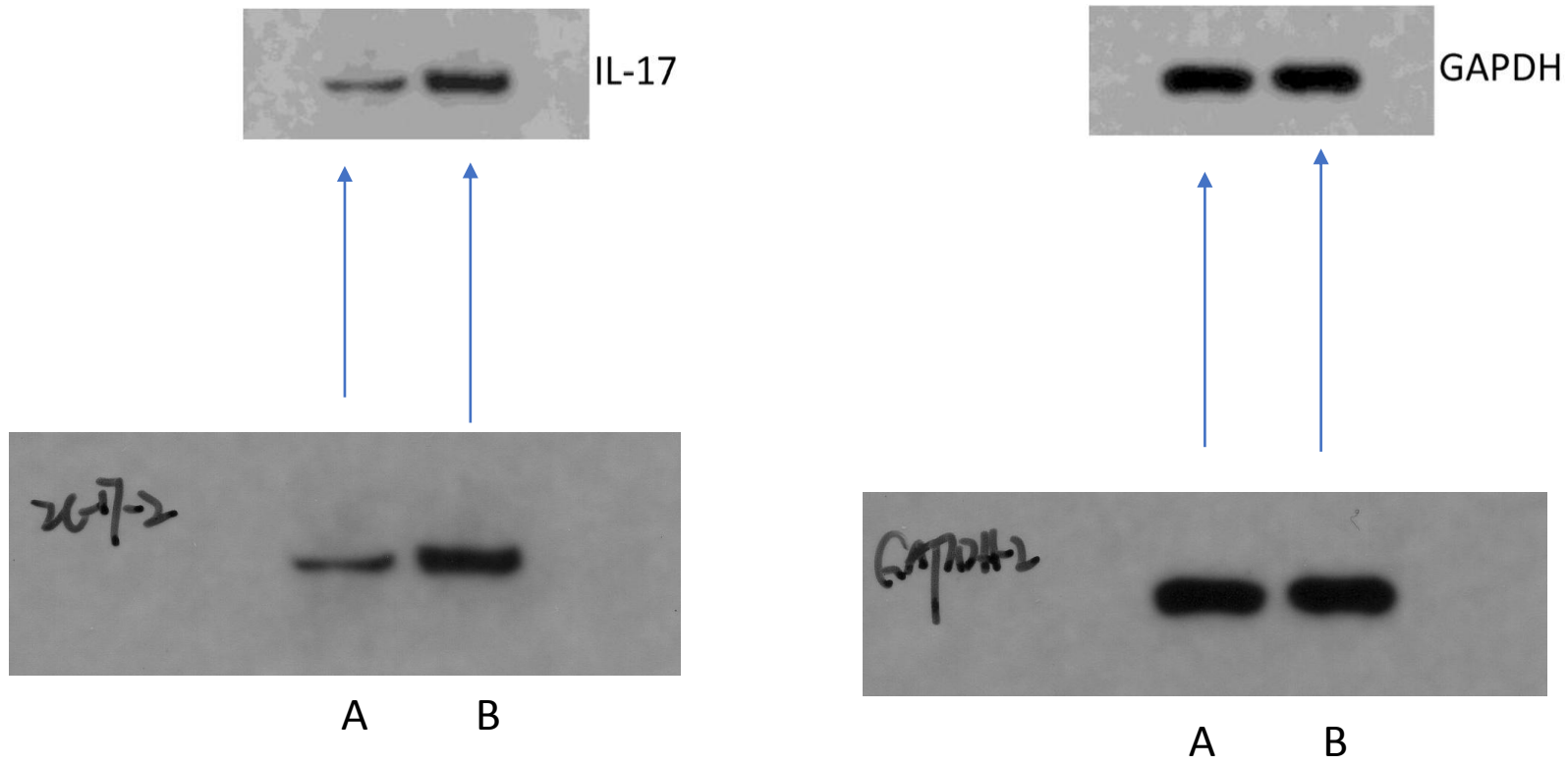
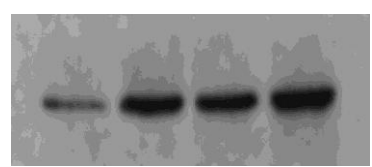


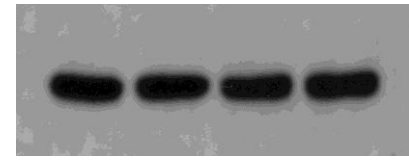
Figure 4A

A: Normoxia
B: Hypoxia

Figure S1 IL-17 expression in cardiomyocytes after hypoxia exposure.

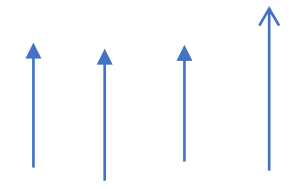
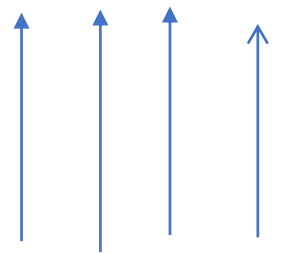


p-STAT 3

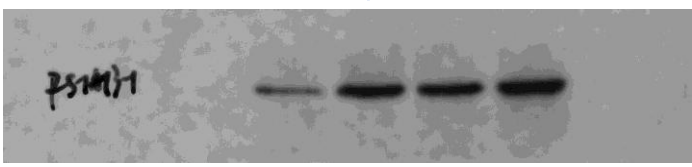


GAPDH

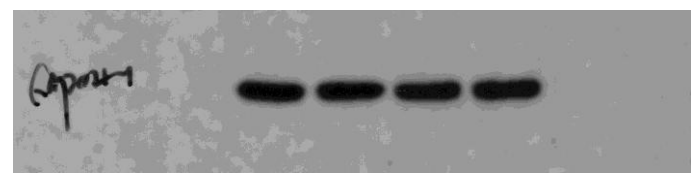
Figure 4B



- A: Normoxia
- B: Normoxia+IL-17
- C: Hypoxia
- D: Hypoxia+IL-17



A B C D



A B C D

Figure S2 Expression of p-STAT3 in cardiomyocytes when treated with hypoxia exposure or/and IL-17.

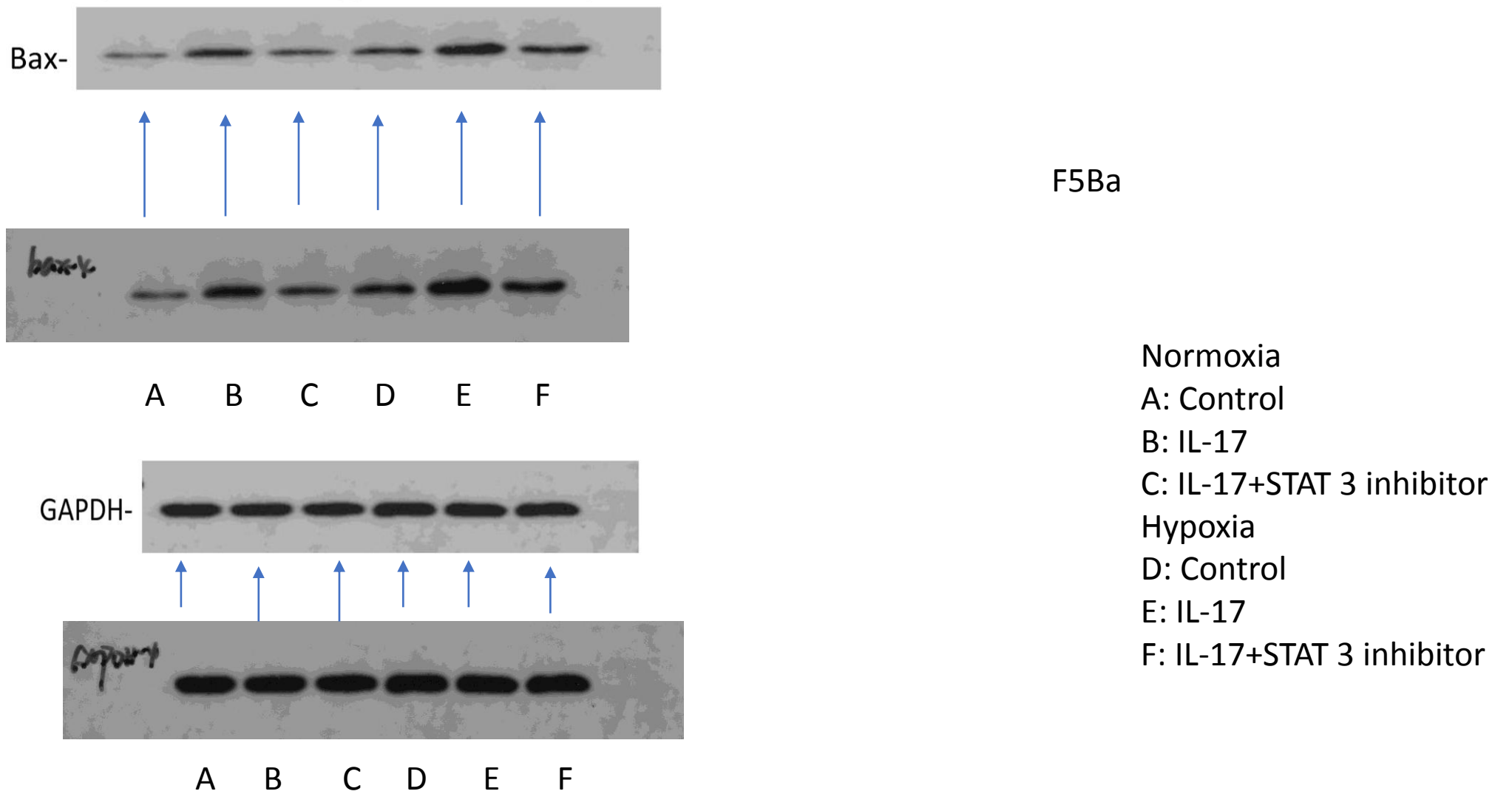


Figure S3 Expression of Bax after treated with IL-17 or STAT3 inhibitor under normoxia and hypoxia.

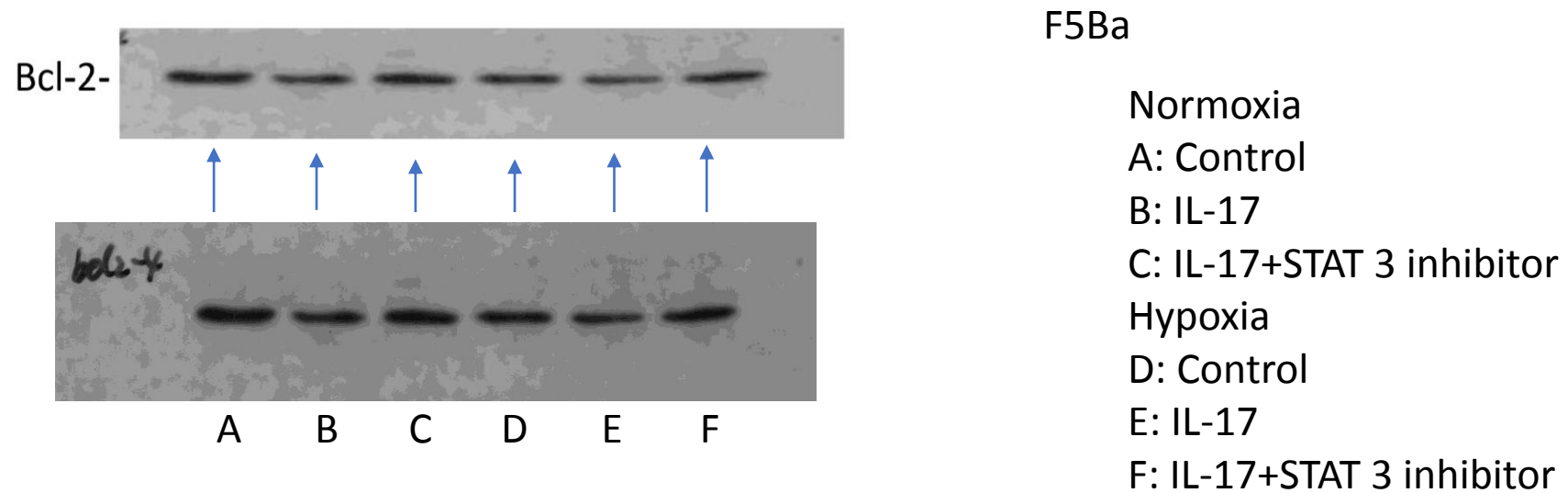


Figure S4 Expression of Bcl-2 after treated with IL-17 or STAT3 inhibitor under normoxia and hypoxia.

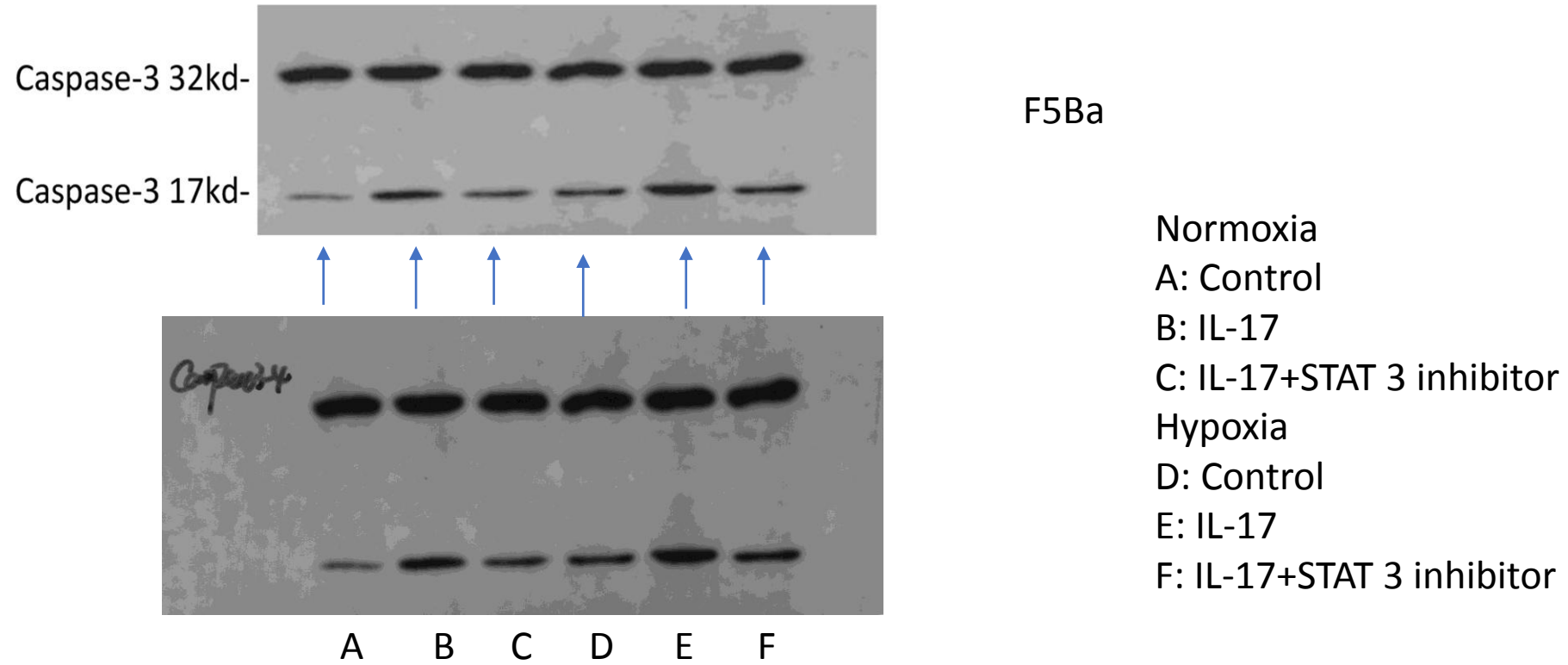
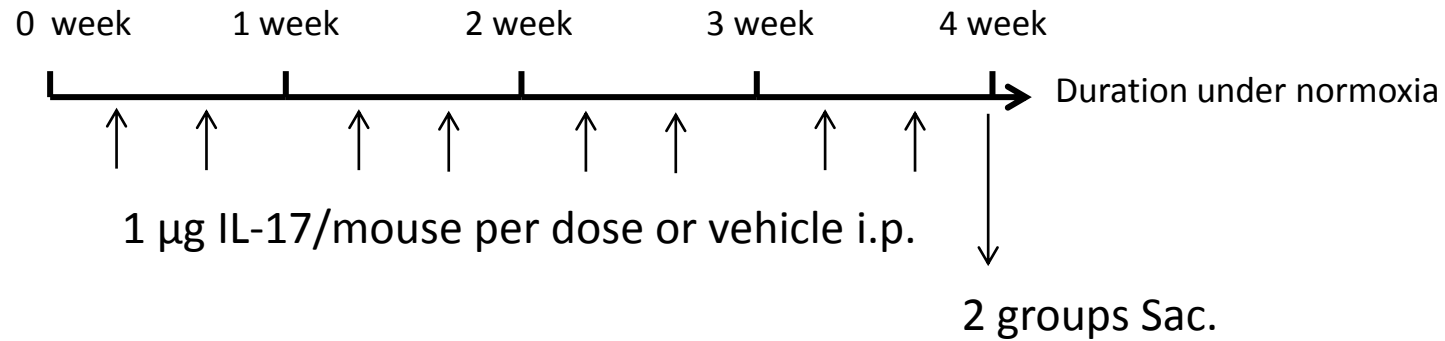


Figure S5 Expression of Caspase3 after treated with IL-17 or STAT3 inhibitor under normoxia and hypoxia.

Flowchart of in vivo experiments

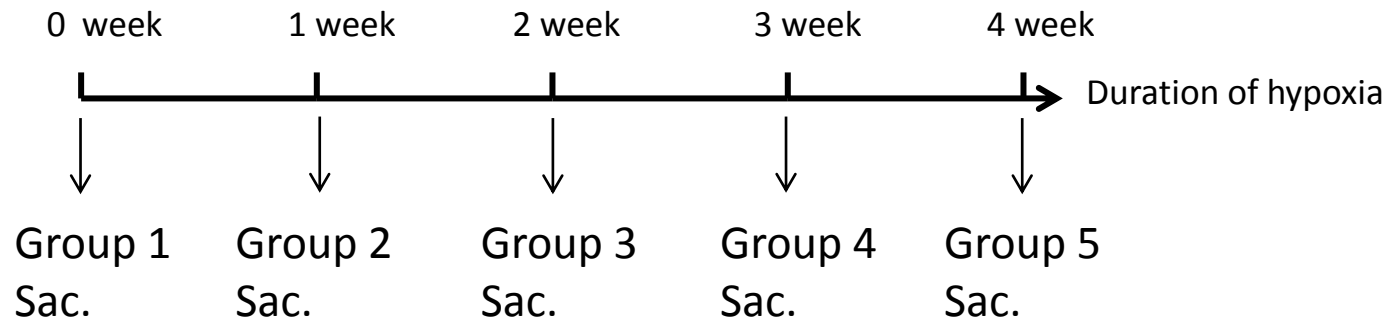
Experiment of Figure 1

2 groups:
N4W
N4W+IL-17



Experiment of Figure 2

5 groups:
1: H0W
2: H1W
3: H2W
4: H3W
5: H4W



Flowchart of in vivo experiments

Experiment of Figure 3

3 groups:

N4W

H4W

H4W+IL-17

