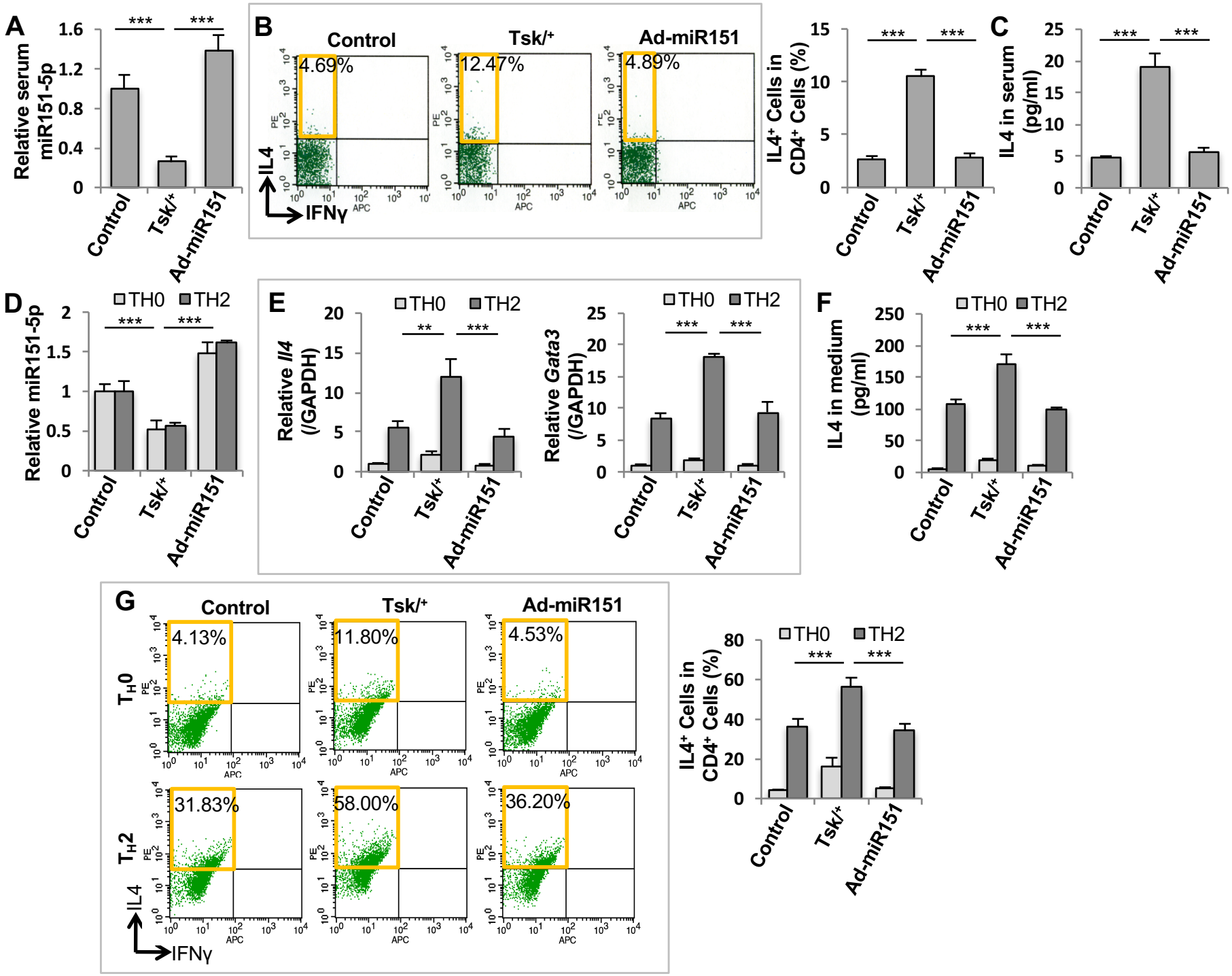
A
Relative serum miR151-5p
1.6
1.2
0.8
0.4
0
***
***
Control
Tsk/+
Ad-miR151
B
Control
Tsk/+
Ad-miR151
4.69%
12.47%
4.89%
IL4
IFNγ
PE
APC
IL4+ Cells in CD4+ Cells (%)
15
10
5
0
C
IL4 in serum (pg/ml)
25
20
15
10
5
0
D
Relative miR151-5p
2
1.5
1
0.5
0
TH0
TH2
E
Relative Il4 (/GAPDH)
Relative Gata3 (/GAPDH)
**
F
IL4 in medium (pg/ml)
250
200
150
100
50
G
Control
Tsk/+
Ad-miR151
TH0
TH2
4.13%
11.80%
4.53%
31.83%
58.00%
36.20%
IL4+ Cells in CD4+ Cells (%)
80
60
40
20

Supplementary Figure 8 Ad-miR-151 treatment inhibited T_H2 cell differentiation in *Tsk*/$^+$ mice. (**A**) qPCR analysis showing the serum levels of miR-151-5p in WT, Ad-GFP, and Ad-miR151-treated *Tsk*/$^+$ mice (n=6 per group). (**B**) Flow cytometric analysis showing the levels of T_H2 cells in peripheral blood of WT, Ad-GFP, and Ad-miR-151-treated *Tsk*/$^+$ mice. (**C**) ELISA showing the levels of serum IL4 in WT, Ad-GFP, and Ad-miR-151-treated *Tsk*/$^+$ mice. (**D**) qPCR analysis showing the levels of miR-151-5p in WT, Ad-GFP, and Ad-miR-151-treated *Tsk*/$^+$ CD4 T cells cultured under the T_H0 and T_H2 conditions. (**E**) qPCR analysis showeing the expression levels of *Il4* and *Gata3* in WT, Ad-GFP, and Ad-miR-151-treated *Tsk*/$^+$ CD4 T cells cultured under the T_H0 and T_H2 conditions. (**F**) ELISA showing IL4 production in the culture supernatant of WT, Ad-GFP, and Ad-miR-151-treated *Tsk*/$^+$ CD4 T cells cultured under the T_H0 and T_H2 conditions. (**G**) Flow cytometric analysis showing T_H2 cell percentage in WT, Ad-GFP, and Ad-miR-151-treated CD4 T cells under the T_H0 and T_H2 conditions. All experimental data were verified in at least 3 independent experiments. Error bars represent the s.d. from the mean values. $^{***}P < 0.005$; $^{**}P < 0.01$.