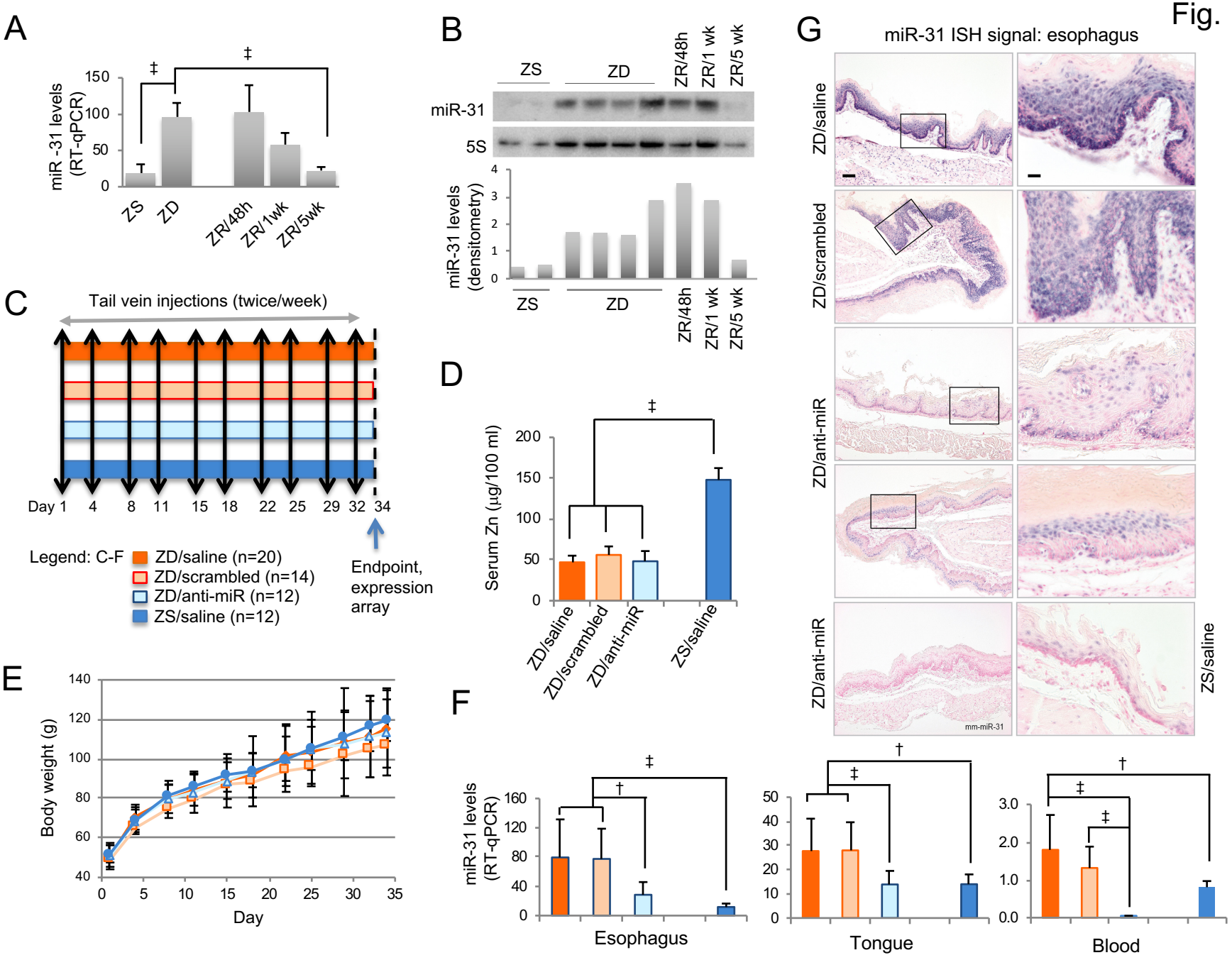
Fig. 1


A
miR -31 levels (RT-qPCR)
150
100
50
0
‡
‡
ZS
ZD
ZR/48h
ZR/1wk
ZR/5wk
B
ZS
ZD
ZR/48h
ZR/1 wk
ZR/5 wk
miR-31
5S
miR-31 levels (densitometry)
4
3
2
1
0
ZS
ZD
ZR/48h
ZR/1 wk
ZR/5 wk
C
Tail vein injections (twice/week)
Day 1
4
8
11
15
18
22
25
29
32
34
Endpoint, expression array
Legend: C-F
ZD/saline (n=20)
ZD/scrambled (n=14)
ZD/anti-miR (n=12)
ZS/saline (n=12)
D
Serum Zn (µg/100 ml)
200
150
100
50
0
‡
ZD/saline
ZD/scrambled
ZD/anti-miR
ZS/saline
E
Body weight (g)
140
120
100
80
60
40
0
5
10
15
20
25
30
35
Day
F
miR-31 levels (RT-qPCR)
‡
†
160
120
80
40
0
Esophagus
†
‡
50
40
30
20
10
0
Tongue
†
‡
‡
3.0
2.0
1.0
0.0
Blood
G
miR-31 ISH signal: esophagus
ZD/saline
ZD/scrambled
ZD/anti-miR
ZD/anti-miR
ZS/saline
mm-miR-31