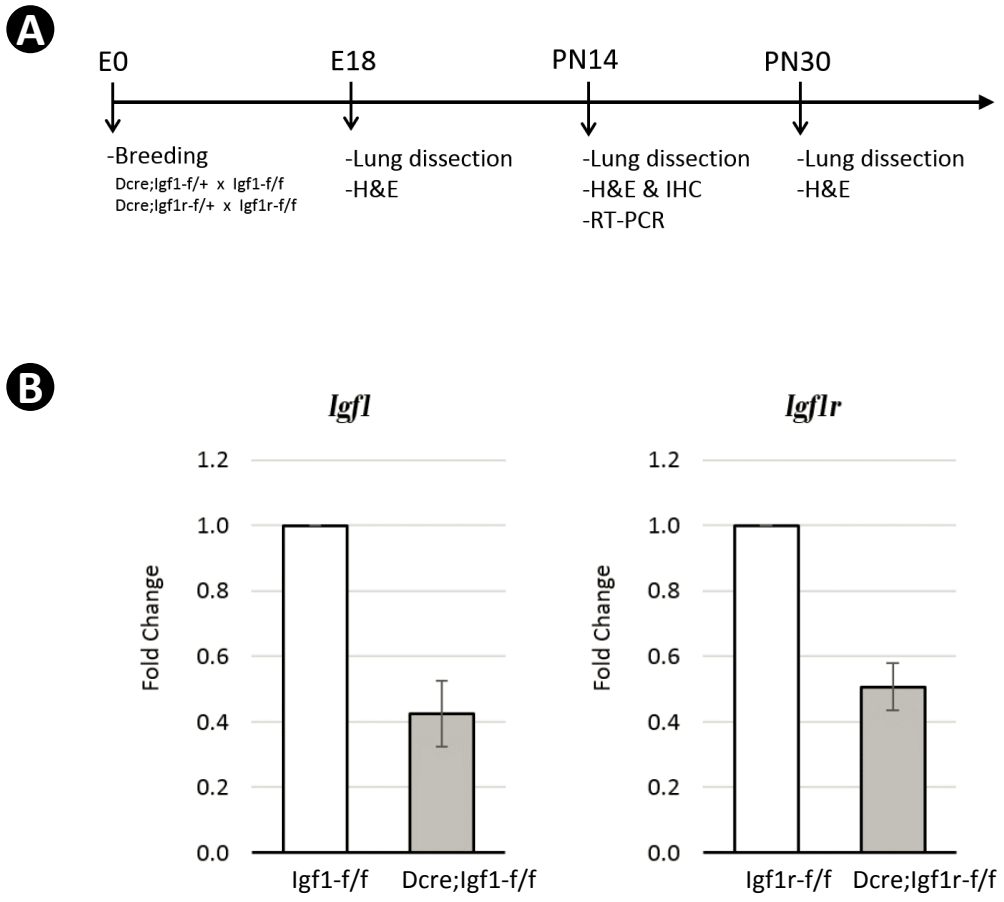
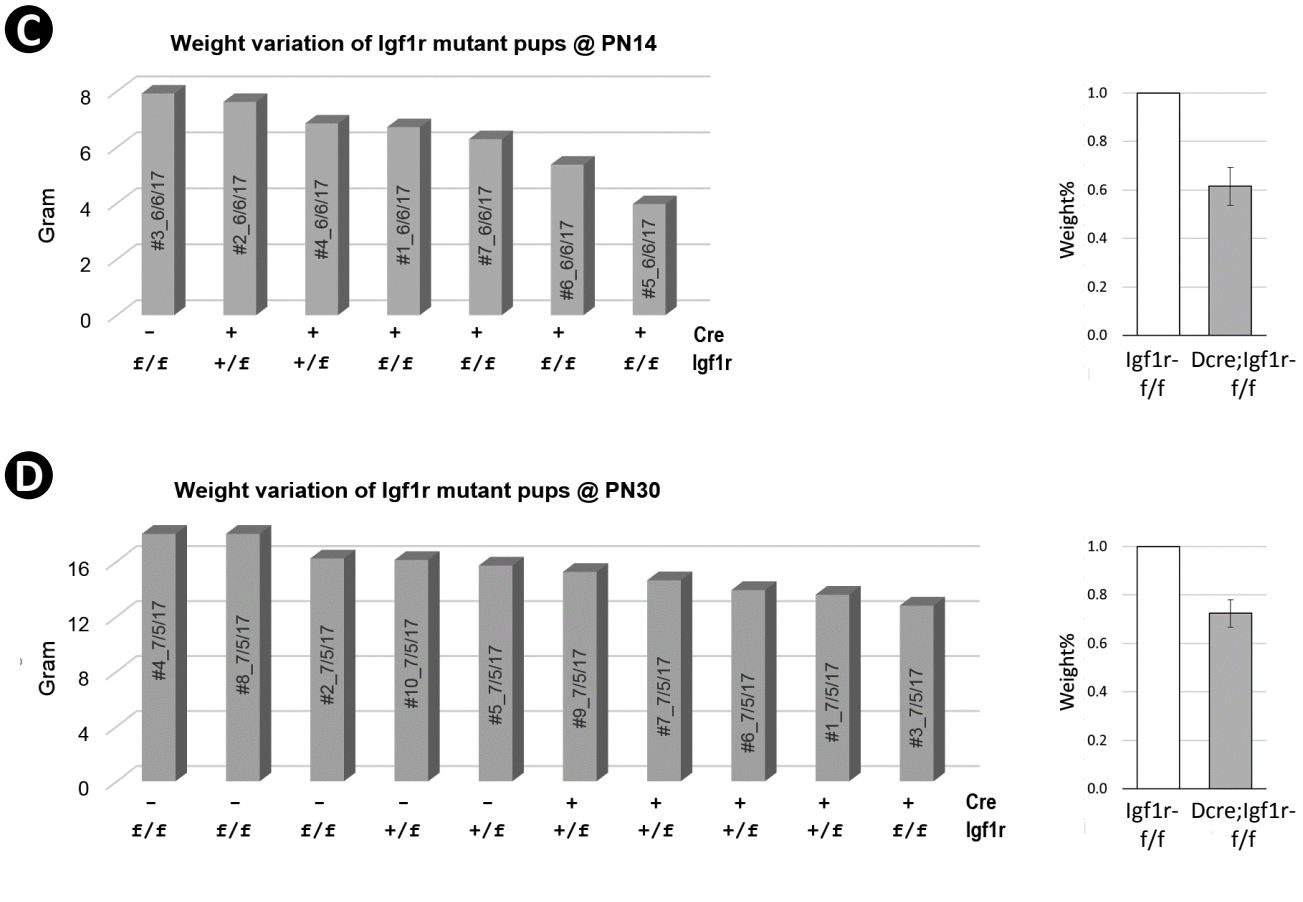
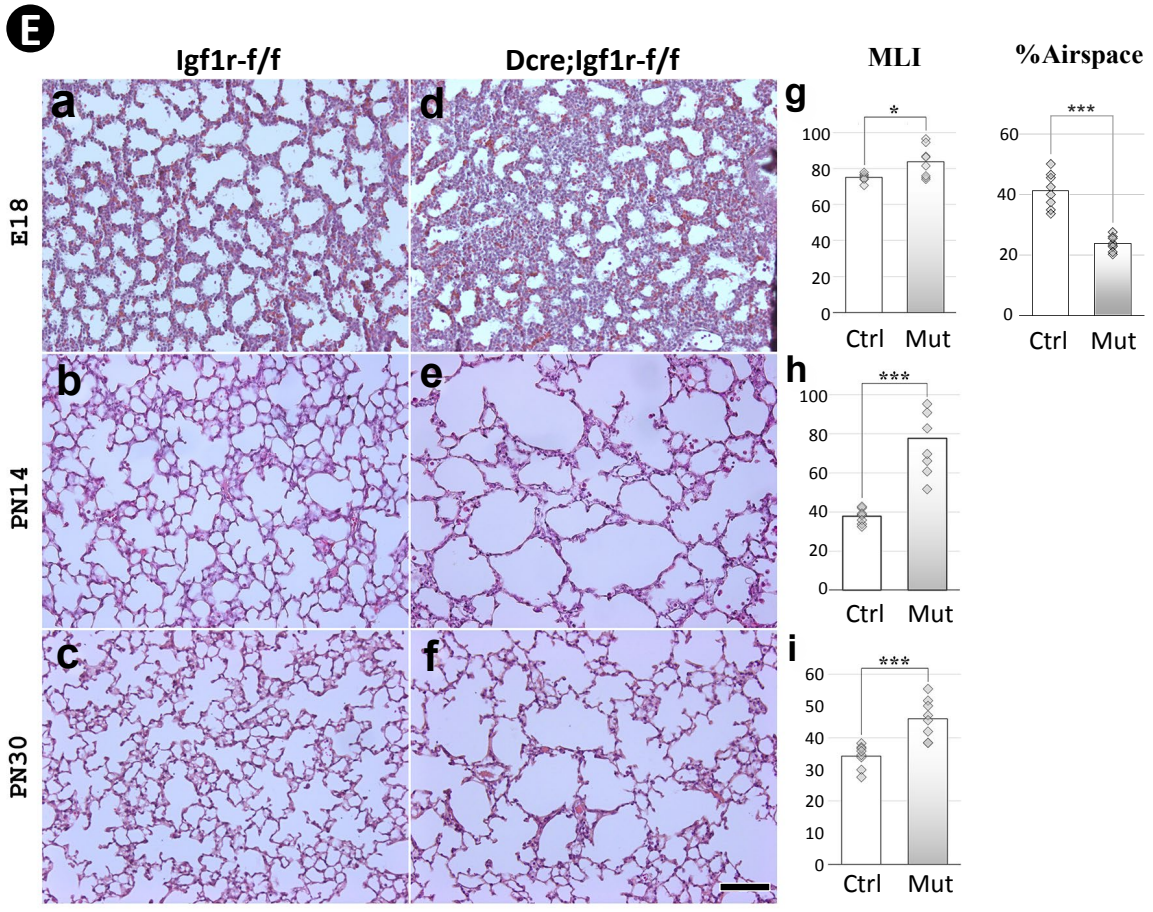
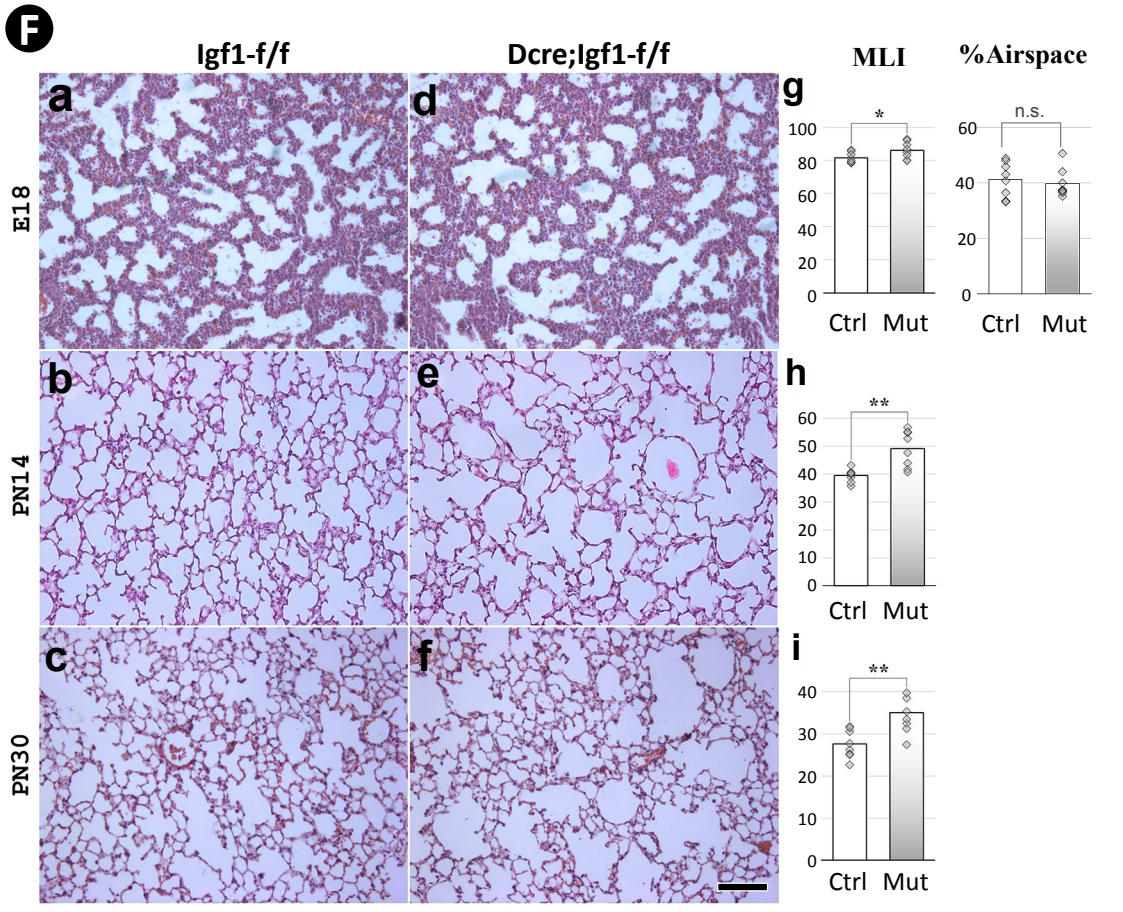

A
E0
E18
PN14
PN30
-Breeding
Dcre;Igf1-f/+ x Igf1-f/f
Dcre;Igf1r-f/+ x Igf1r-f/f
-Lung dissection
-H&E
-Lung dissection
-H&E & IHC
-RT-PCR
-Lung dissection
-H&E
B
Igf1
Igf1r
Fold Change
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Igf1-f/f
Dcre;Igf1-f/f
Igf1r-f/f
Dcre;Igf1r-f/f


C
Weight variation of Igf1r mutant pups @ PN14
Gram
8
6
4
2
0
#3_6/6/17
#2_6/6/17
#4_6/6/17
#1_6/6/17
#7_6/6/17
#6_6/6/17
#5_6/6/17
– + + + + + +
f/f +/f +/f f/f f/f f/f f/f
Cre
Igf1r
Weight%
1.0
0.8
0.6
0.4
0.2
0.0
Igf1r-f/f
Dcre;Igf1r-f/f
D
Weight variation of Igf1r mutant pups @ PN30
Gram
16
12
8
4
0
#4_7/5/17
#8_7/5/17
#2_7/5/17
#10_7/5/17
#5_7/5/17
#9_7/5/17
#7_7/5/17
#6_7/5/17
#1_7/5/17
#3_7/5/17
– – – – – + + + + +
f/f f/f f/f +/f +/f +/f +/f +/f +/f f/f
Cre
Igf1r
Weight%
1.0
0.8
0.6
0.4
0.2
0.0
Igf1r-f/f
Dcre;Igf1r-f/f


E
Igf1r-f/f
Dcre;Igf1r-f/f
E18
PN14
PN30
a
b
c
d
e
f
MLI
%Airspace
g
h
i
*
***
***
***
100
80
60
40
20
0
60
40
20
0
60
50
40
30
20
10
0
Ctrl
Mut


F
Igf1-f/f
Dcre;Igf1-f/f
E18
PN14
PN30
a
b
c
d
e
f
MLI
%Airspace
g
h
i
*
n.s.
**
**
100
80
60
40
20
0
60
40
20
0
60
50
40
30
20
10
0
40
30
20
10
0
Ctrl
Mut