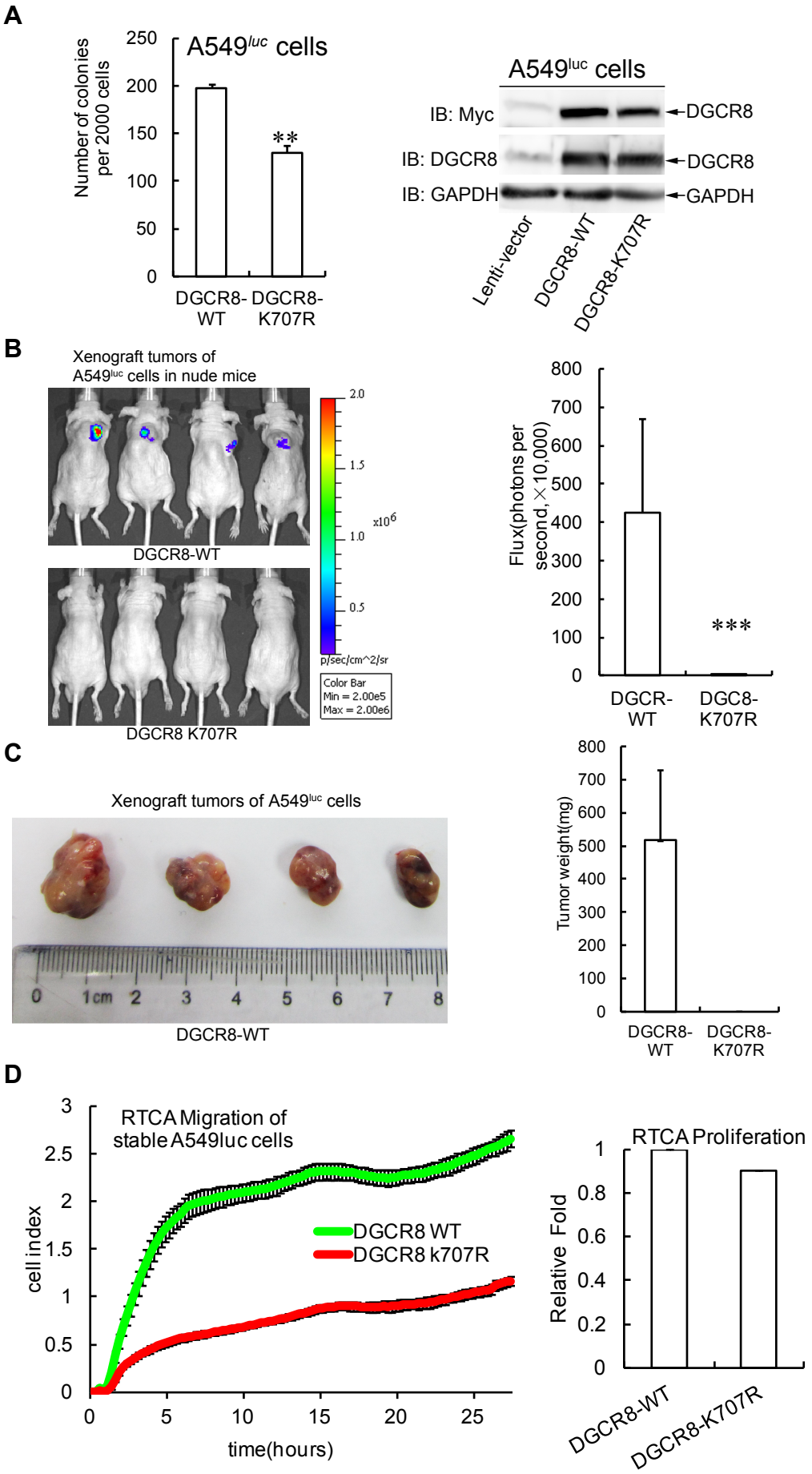
Figure S6


A
A549luc cells
Number of colonies per 2000 cells
250
200
150
100
50
0
**
DGCR8-WT
DGCR8-K707R
A549luc cells
IB: Myc
IB: DGCR8
IB: GAPDH
DGCR8
DGCR8
GAPDH
Lenti-vector
DGCR8-WT
DGCR8-K707R
B
Xenograft tumors of A549luc cells in nude mice
DGCR8-WT
DGCR8 K707R
2.0
1.5
1.0
0.5
x10^6
p/sec/cm^2/sr
Color Bar
Min = 2.00e5
Max = 2.00e6
Flux(photons per second, ×10,000)
800
700
600
500
400
300
200
100
0
***
DGCR-WT
DGC8-K707R
C
Xenograft tumors of A549luc cells
0
1cm
2
3
4
5
6
7
8
DGCR8-WT
Tumor weight(mg)
800
700
600
500
400
300
200
100
0
DGCR8-WT
DGCR8-K707R
D
RTCA Migration of stable A549luc cells
cell index
3
2.5
2
1.5
1
0.5
0
DGCR8 WT
DGCR8 k707R
0
5
10
15
20
25
time(hours)
RTCA Proliferation
Relative Fold
1
0.8
0.6
0.4
0.2
0
DGCR8-WT
DGCR8-K707R