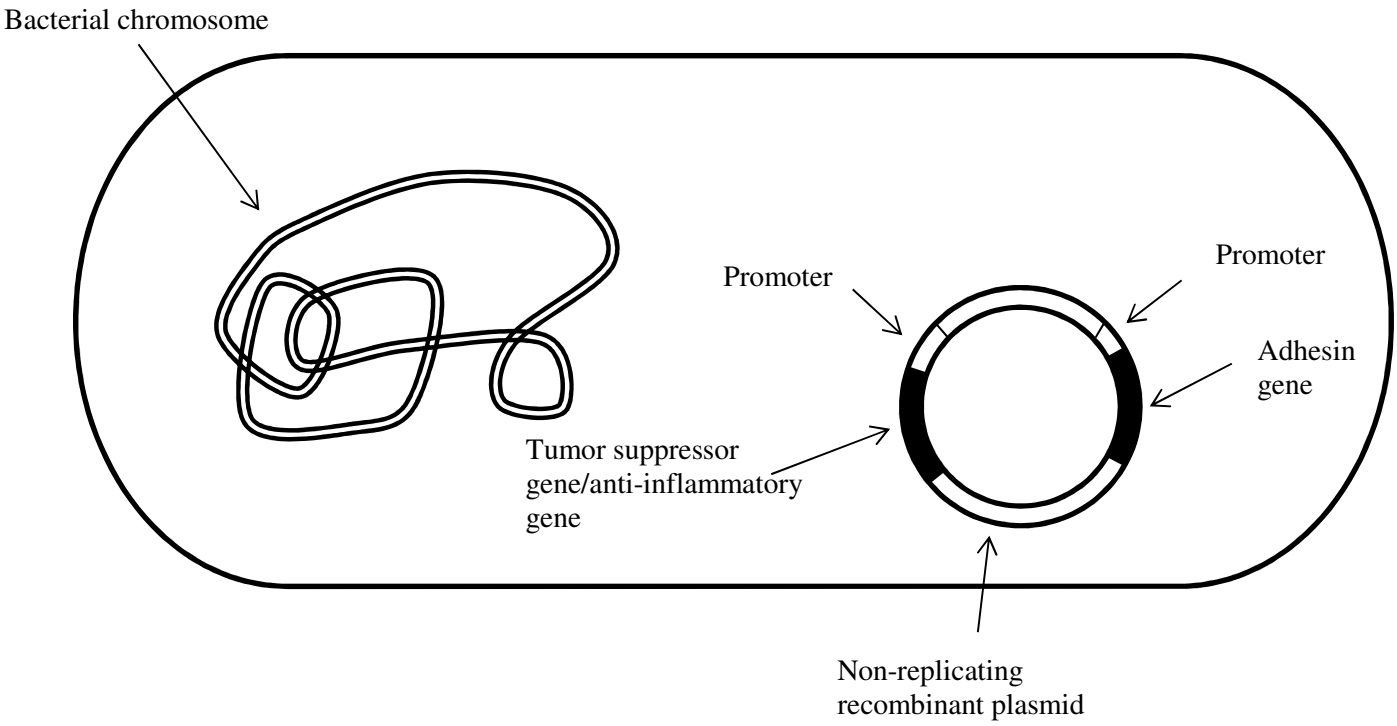
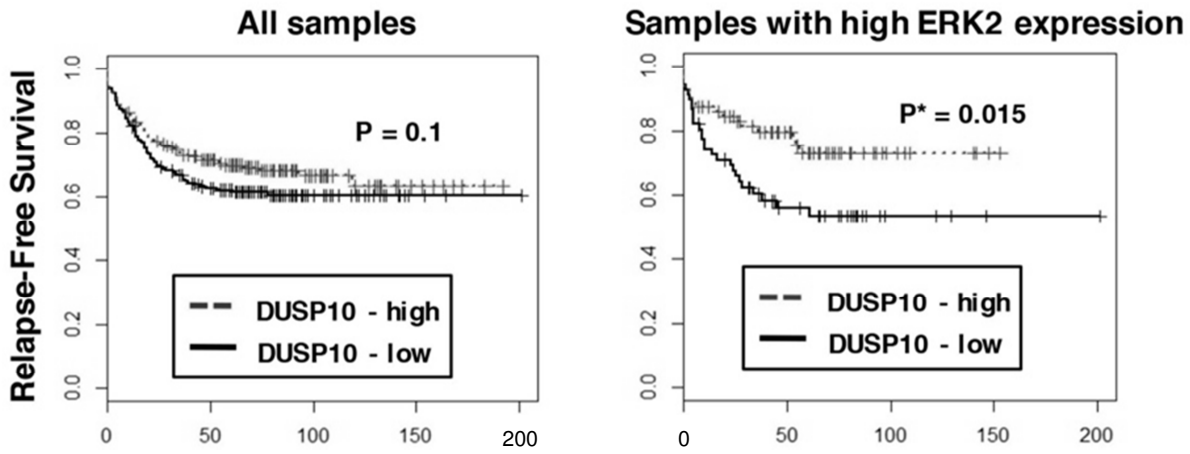

Bacterial chromosome
Promoter
Promoter
Adhesin gene
Tumor suppressor gene/anti-inflammatory gene
Non-replicating recombinant plasmid

Fig. 1

A


All samples
Samples with high ERK2 expression
Relapse-Free Survival
P = 0.1
P* = 0.015
DUSP10 - high
DUSP10 - low
0.0
0.2
0.4
0.6
0.8
1.0
0
50
100
150
200

B

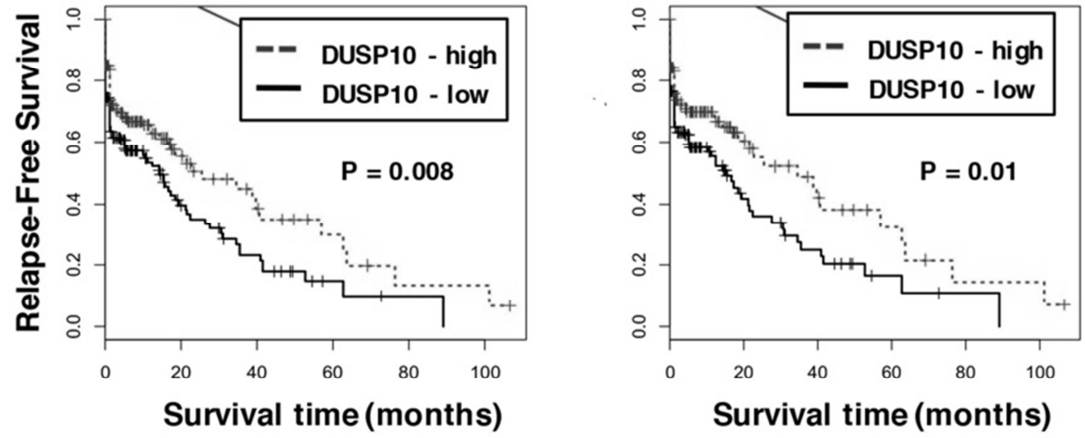
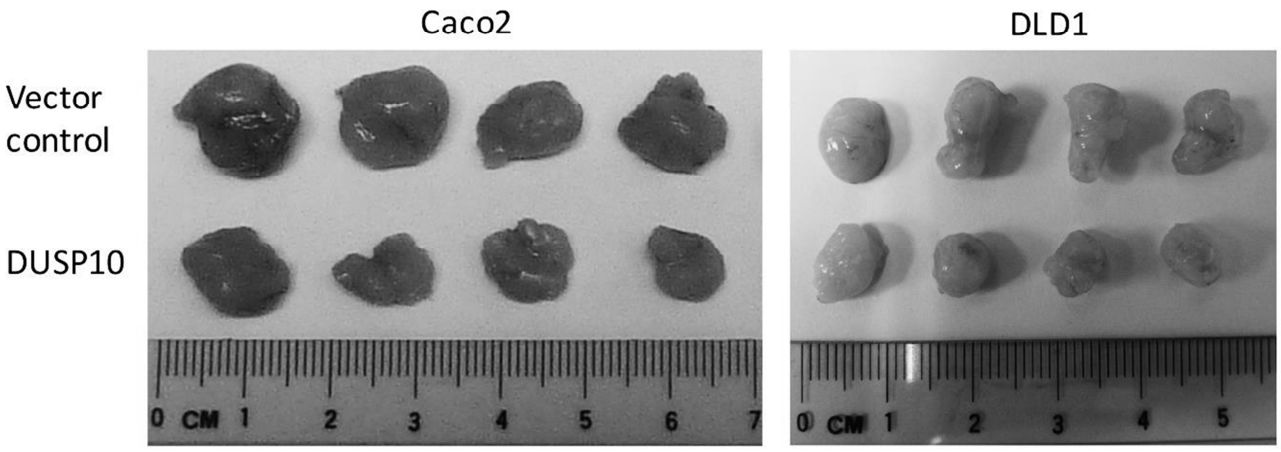

Relapse-Free Survival
DUSP10 - high
DUSP10 - low
P = 0.008
P = 0.01
0.0
0.2
0.4
0.6
0.8
1.0
0
20
40
60
80
100
Survival time (months)
Survival time (months)

Fig. 2

A


Caco2
DLD1
Vector control
DUSP10
0 CM 1 2 3 4 5 6 7
0 CM 1 2 3 4 5

B

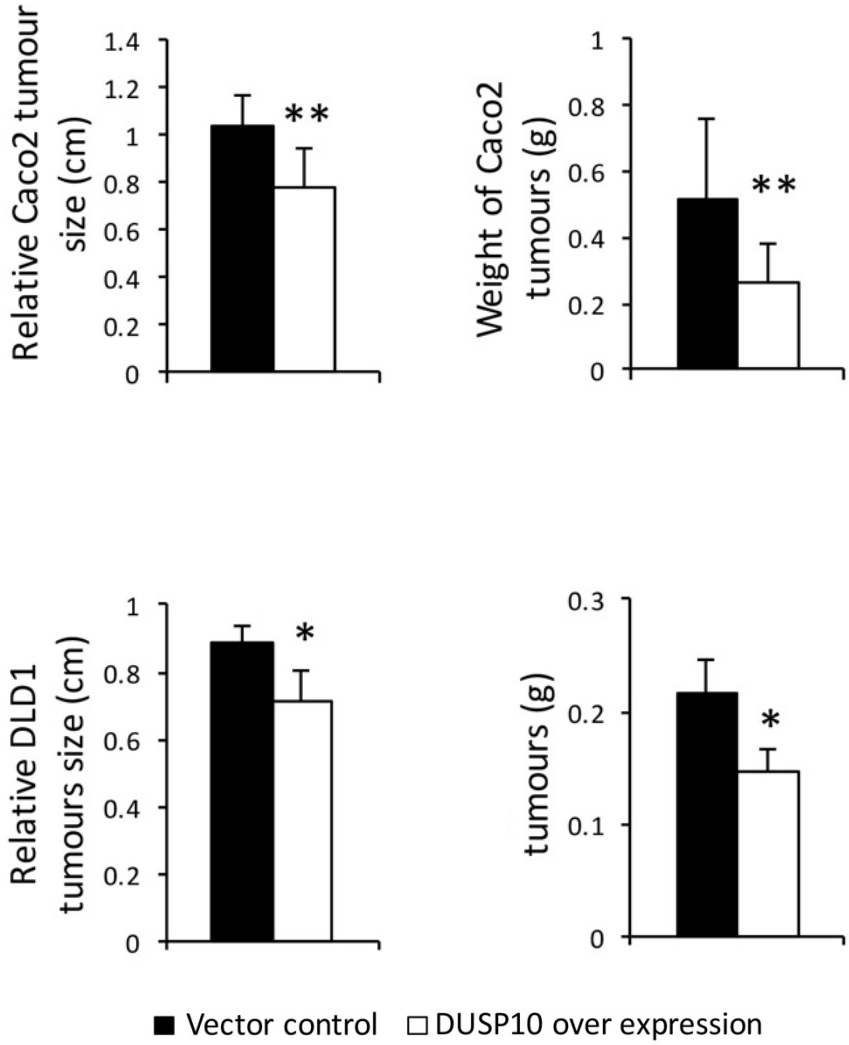
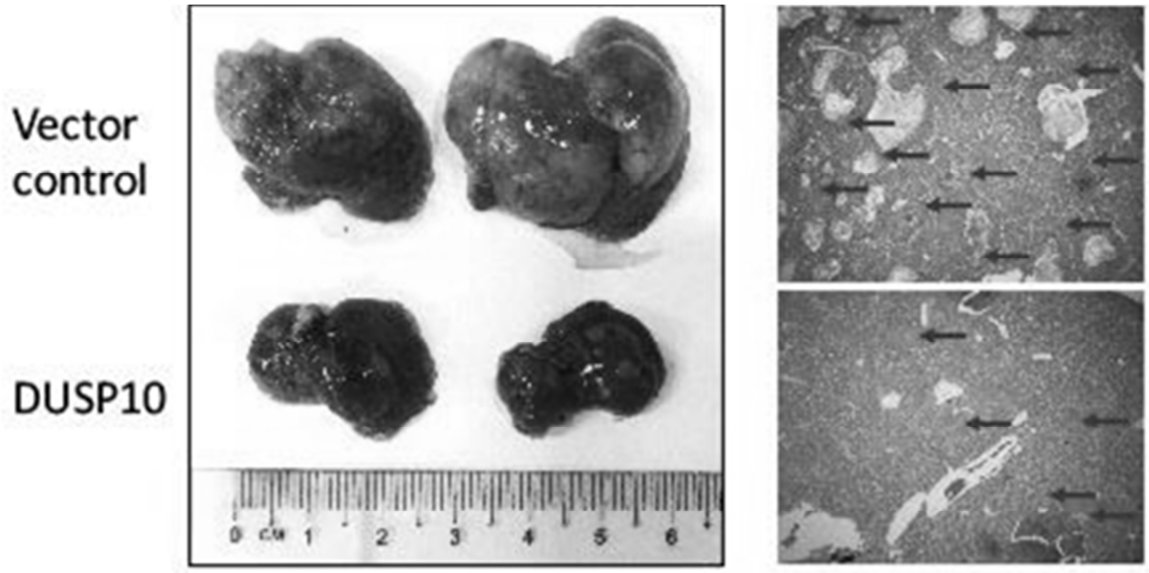

Relative Caco2 tumour size (cm)
1.4
1.2
1
0.8
0.6
0.4
0.2
0
**
Weight of Caco2 tumours (g)
1
0.8
0.6
0.4
0.2
0
**
Relative DLD1 tumours size (cm)
1
0.8
0.6
0.4
0.2
0
*
tumours (g)
0.3
0.2
0.1
0
*
Vector control
DUSP10 over expression

Fig. 3

A


Vector control
DUSP10
0 CM 1 2 3 4 5 6

B

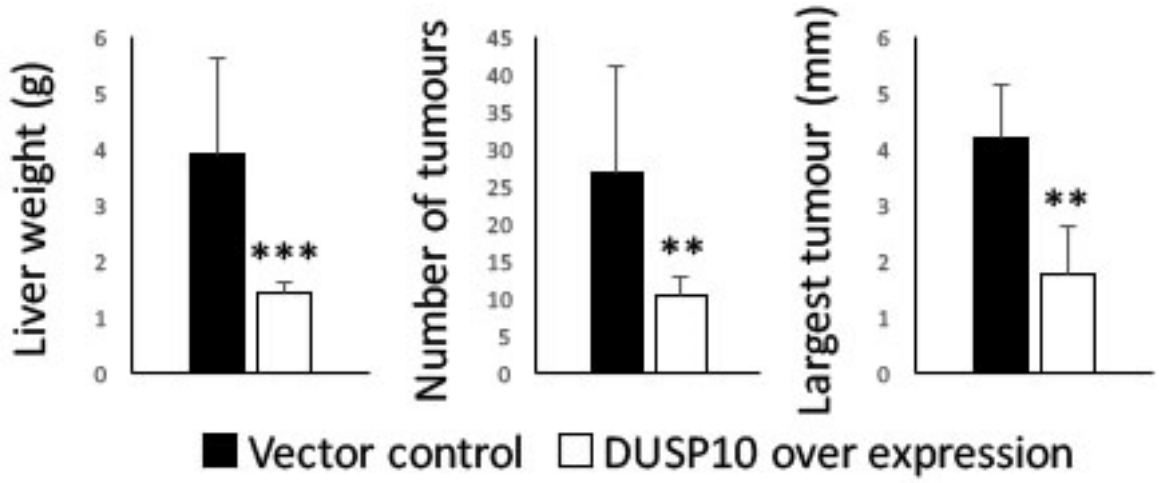

Liver weight (g)
***
Number of tumours
**
Largest tumour (mm)
**
Vector control
DUSP10 over expression

Fig. 4

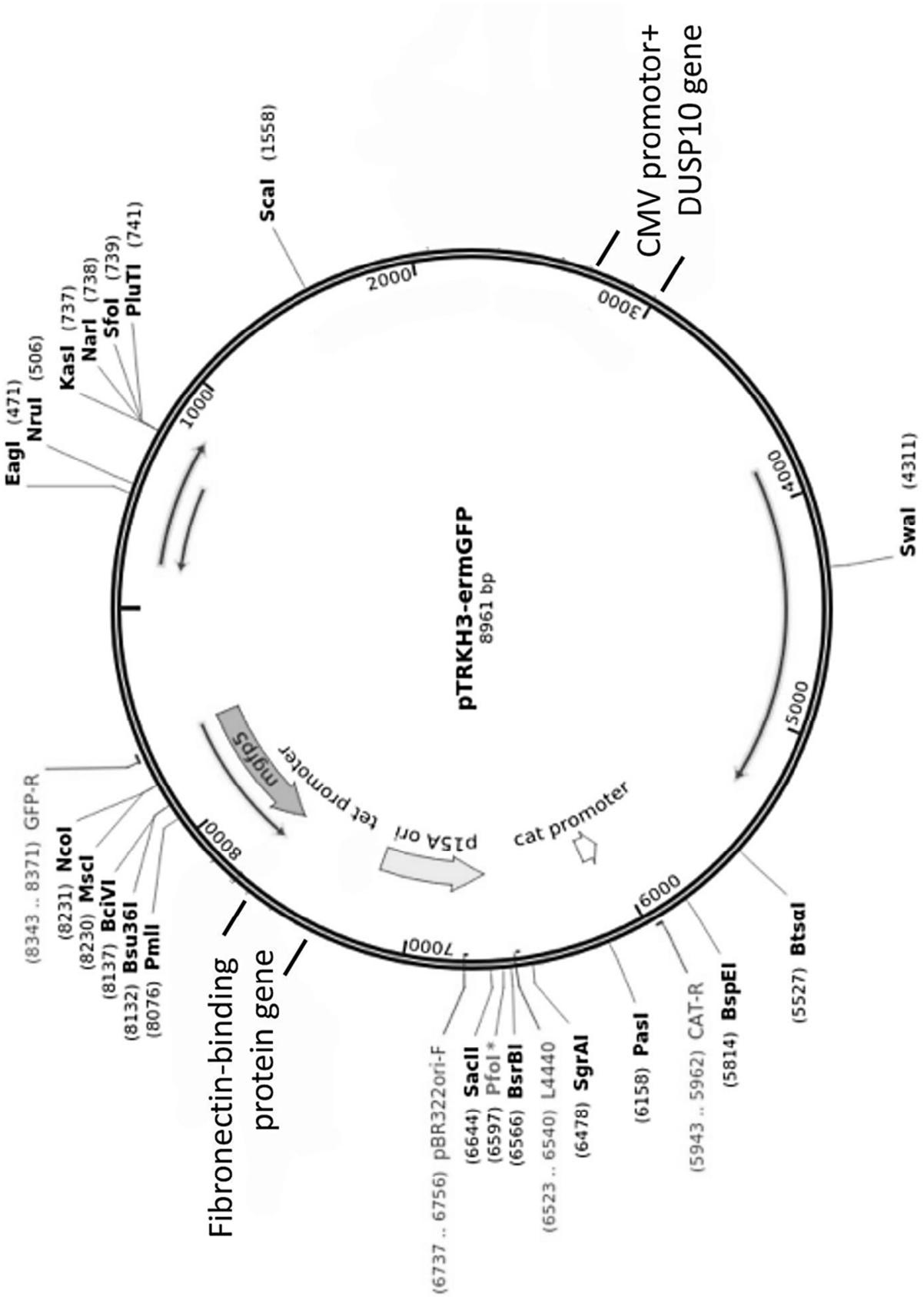
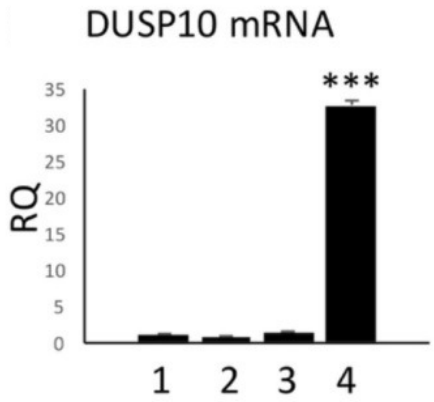
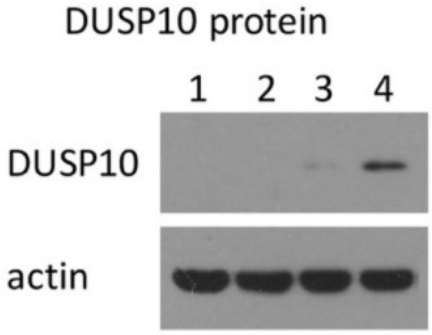

pTRKH3-ermGFP
8961 bp
CMV promotor+
DUSP10 gene
Fibronectin-binding
protein gene
ScaI (1558)
SwaI (4311)
BtsaI (5527)
BspEI (5814)
CAT-R (5943 .. 5962)
PasI (6158)
SgrAI (6478)
L4440 (6523 .. 6540)
BsrBI (6566)
PfoI* (6597)
SacII (6644)
pBR322ori-F (6737 .. 6756)
PmlI (8076)
Bsu36I (8132)
BciVI (8137)
MscI (8230)
NcoI (8231)
GFP-R (8343 .. 8371)
EagI (471)
NruI (506)
KasI (737)
NarI (738)
SfoI (739)
PluTI (741)
mgfp5
tet promoter
p15A ori
cat promoter
1000
2000
3000
4000
5000
6000
7000
8000

Fig. 5

A


DUSP10 mRNA
***
RQ
35
30
25
20
15
10
5
0
1
2
3
4

B


DUSP10 protein
1
2
3
4
DUSP10
actin

C

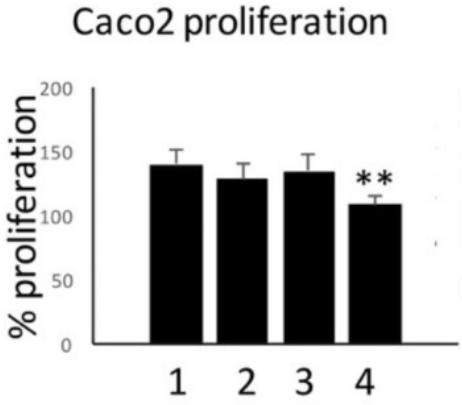

Caco2 proliferation
% proliferation
200
150
100
50
0
**
1
2
3
4

Fig. 6

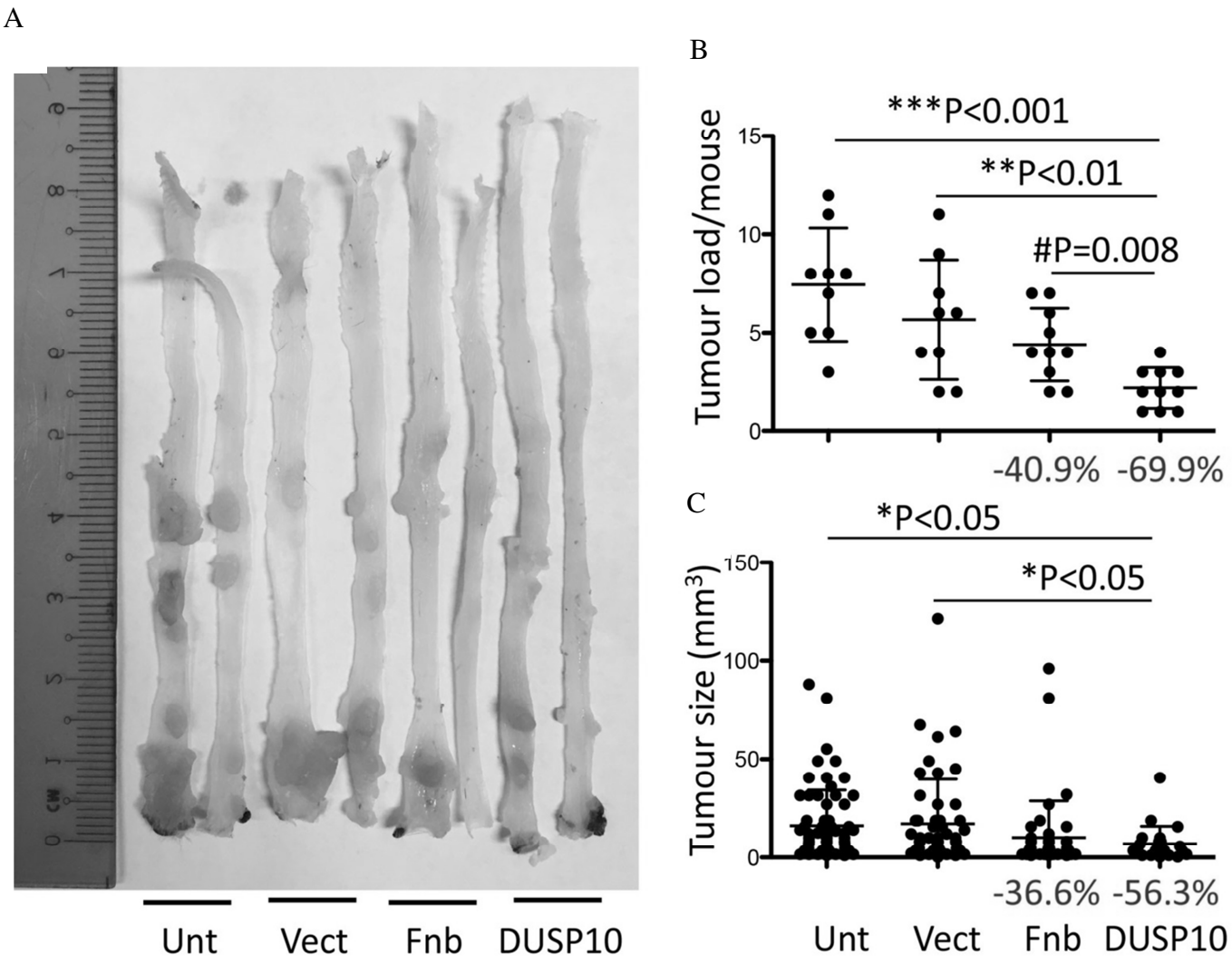

A
B
***P<0.001
**P<0.01
#P=0.008
Tumour load/mouse
15
10
5
0
-40.9%
-69.9%
C
*P<0.05
*P<0.05
Tumour size (mm³)
150
100
50
0
-36.6%
-56.3%
Unt
Vect
Fnb
DUSP10
Unt
Vect
Fnb
DUSP10

Fig. 7

A



B

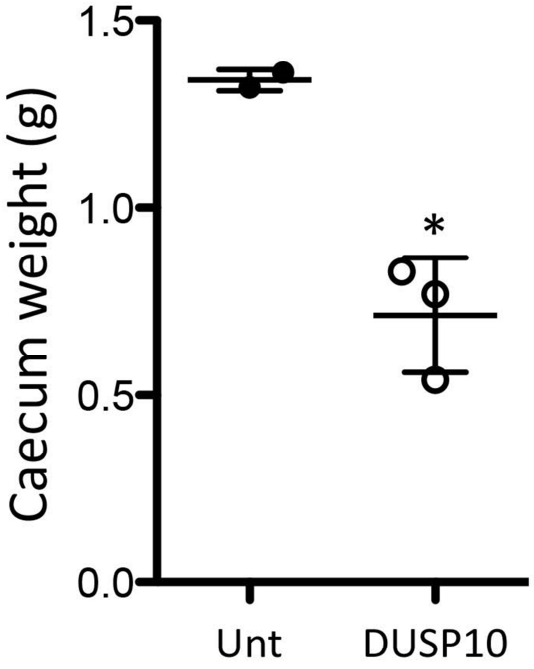
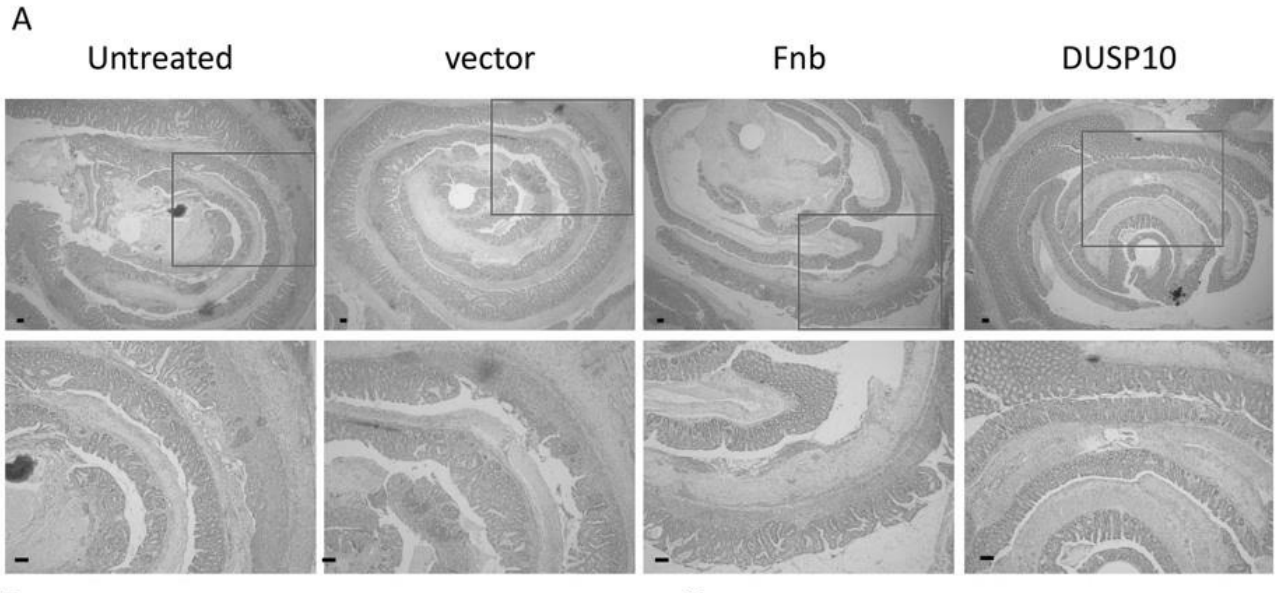


Fig. 8


A
Untreated
vector
Fnb
DUSP10

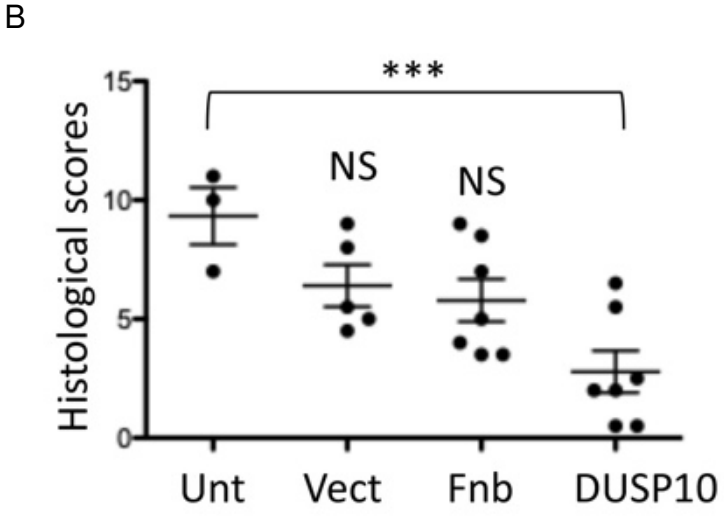

B
***
NS
NS
Histological scores
15
10
5
0
Unt
Vect
Fnb
DUSP10

Fig. 9

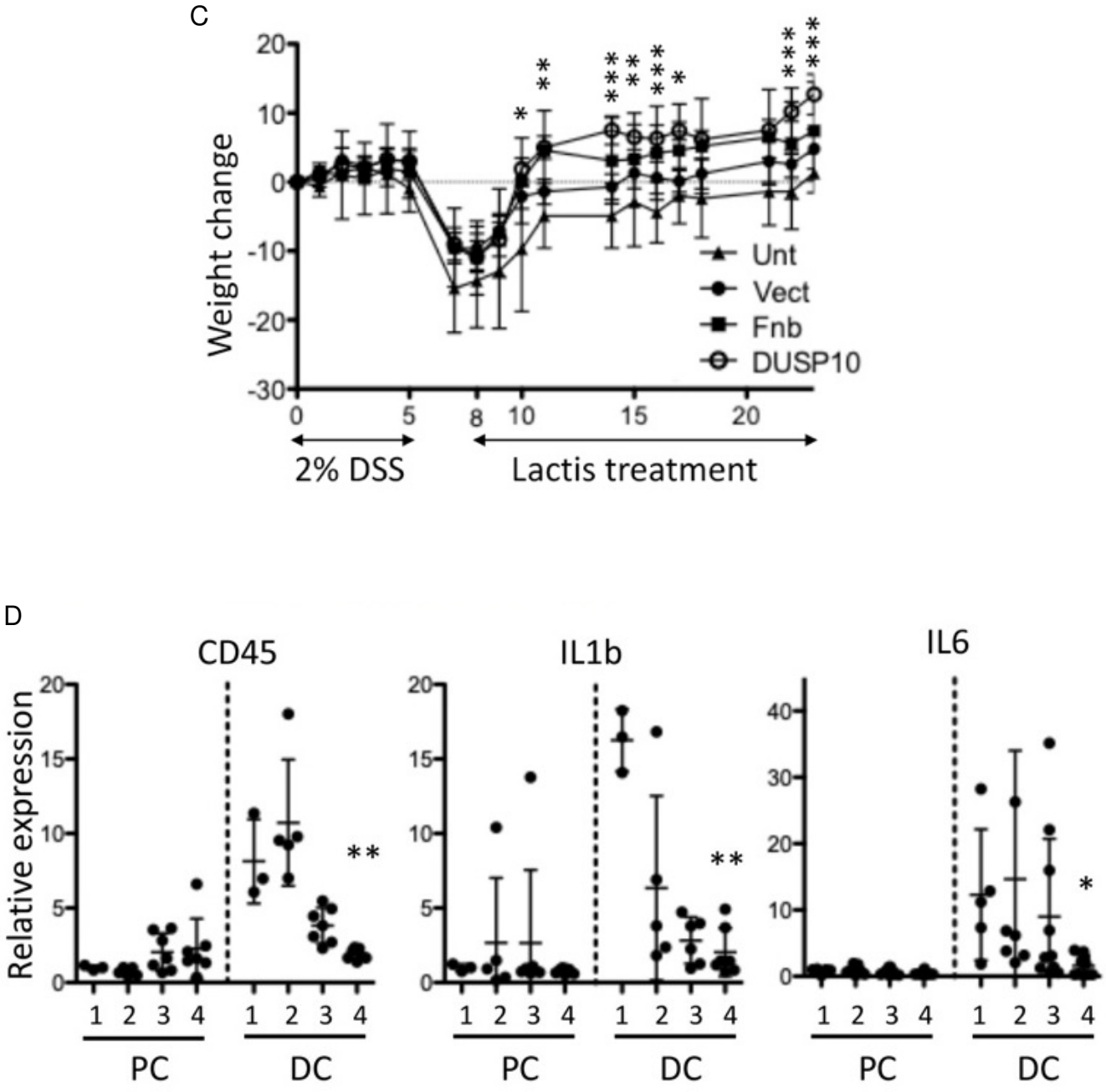


Fig. 9 (Continued)