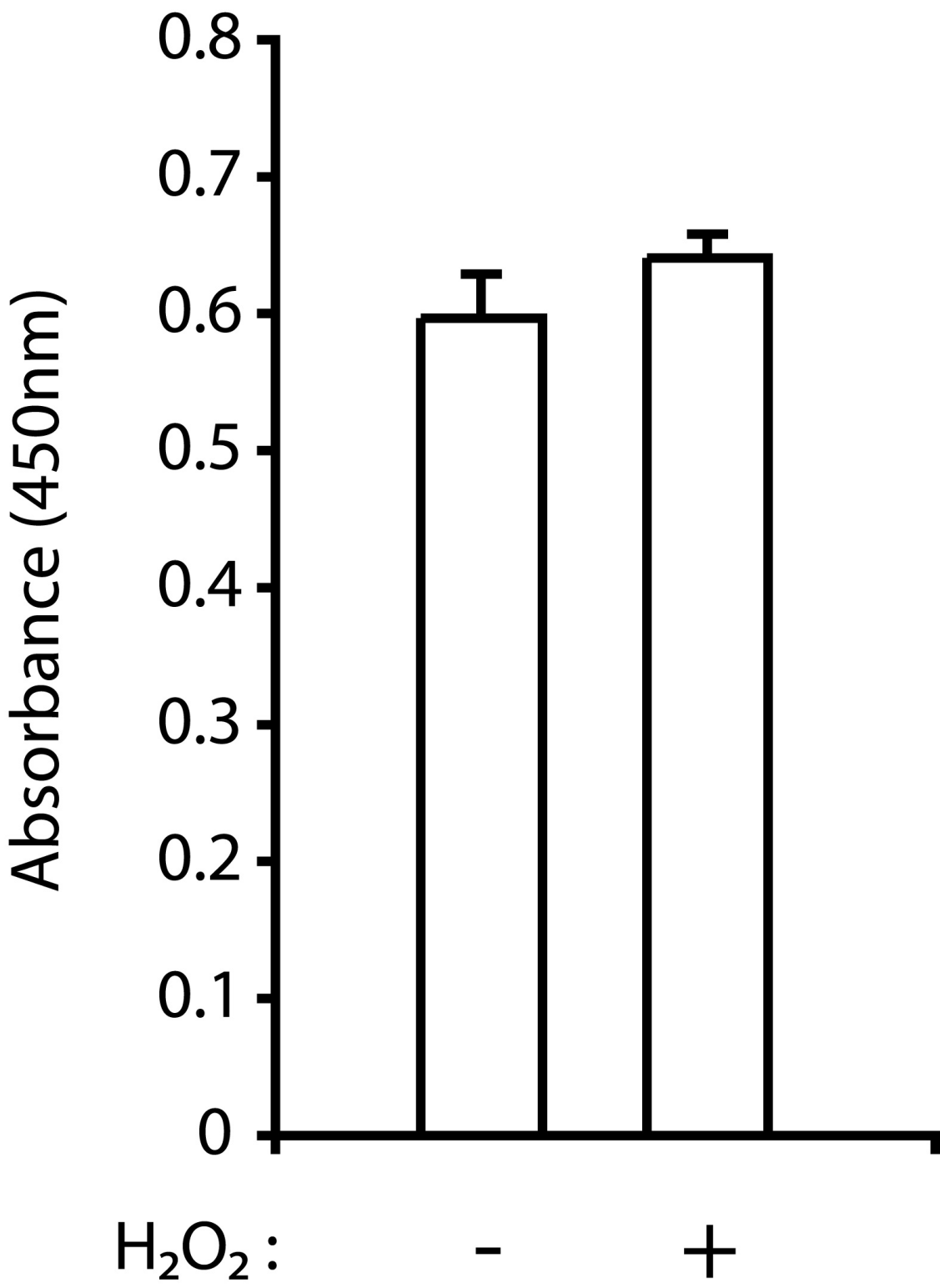

Figure S1.

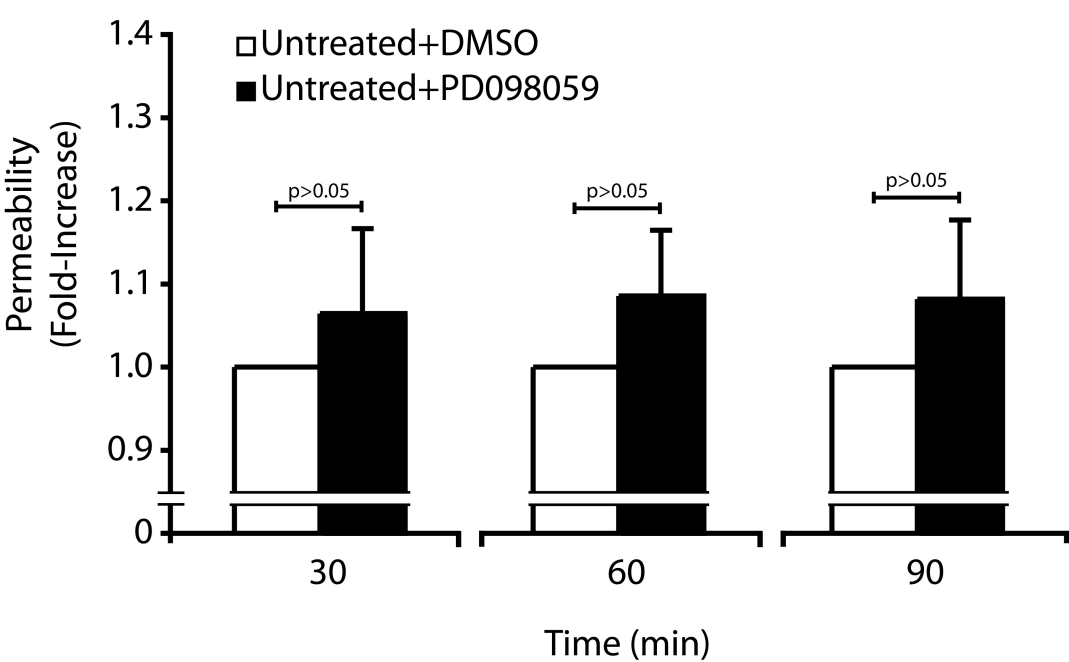
Untreated+DMSO
Untreated+PD098059
Permeability
(Fold-Increase)
1.4
1.3
1.2
1.1
1.0
0.9
0
p>0.05
p>0.05
p>0.05
30
60
90
Time (min)

Figure S2.

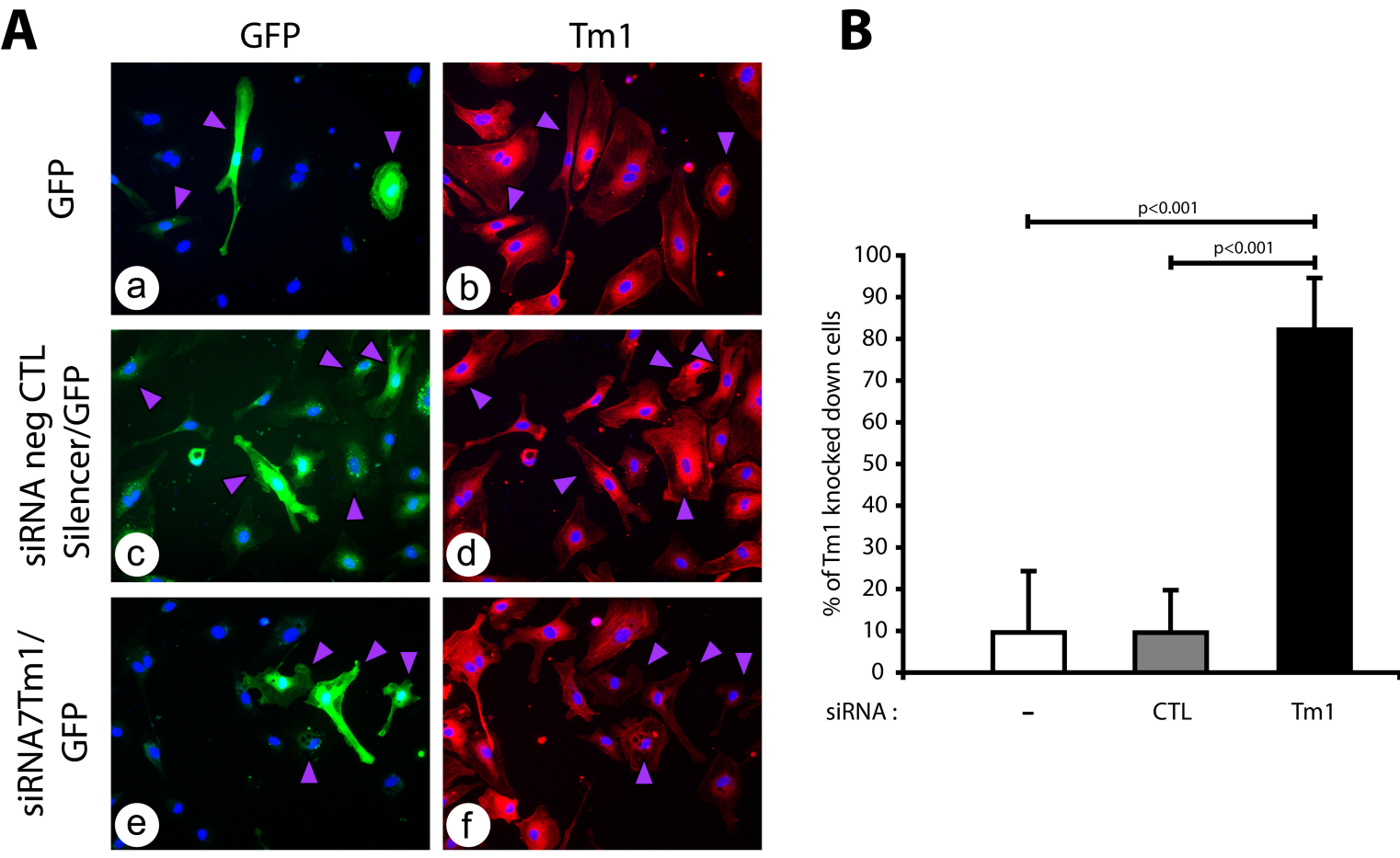
A
GFP
Tm1
GFP
siRNA neg CTL Silencer/GFP
siRNA7Tm1/ GFP
a
b
c
d
e
f
B
p<0.001
p<0.001
% of Tm1 knocked down cells
100
90
80
70
60
50
40
30
20
10
0
siRNA :
–
CTL
Tm1

Figure S3.

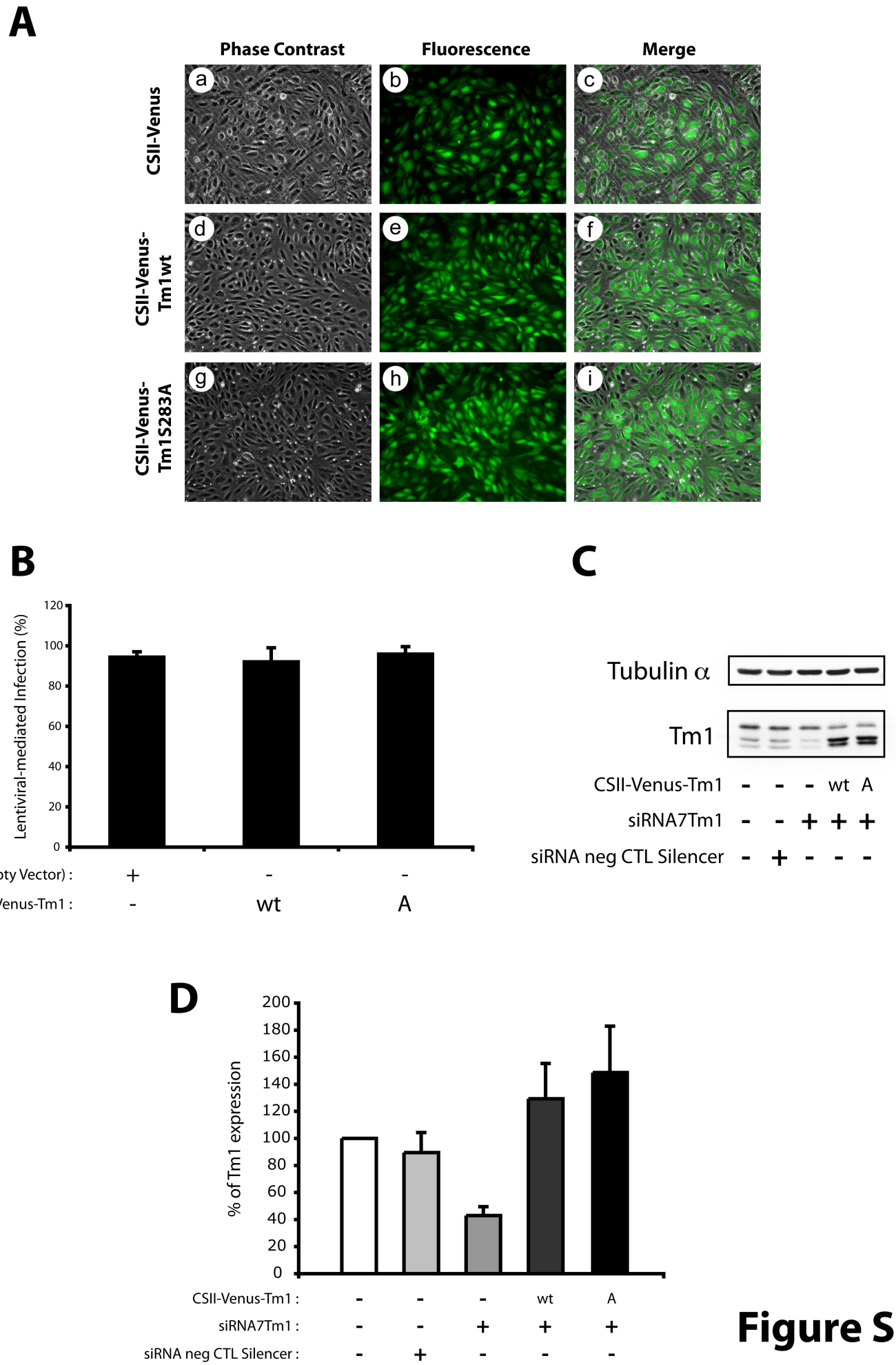
A
Phase Contrast
Fluorescence
Merge
CSII-Venus
CSII-Venus-Tm1wt
CSII-Venus-Tm1S283A
a
b
c
d
e
f
g
h
i
B
Lentiviral-mediated Infection (%)
120
100
80
60
40
20
0
CSII-Venus (Empty Vector) : + - -
CSII-Venus-Tm1 : - wt A
C
Tubulin α
Tm1
CSII-Venus-Tm1 - - - wt A
siRNA7Tm1 - - + + +
siRNA neg CTL Silencer - + - - -
D
% of Tm1 expression
200
180
160
140
120
100
80
60
40
20
0
CSII-Venus-Tm1 : - - - wt A
siRNA7Tm1 : - - + + +
siRNA neg CTL Silencer : - + - - -

Figure S4.

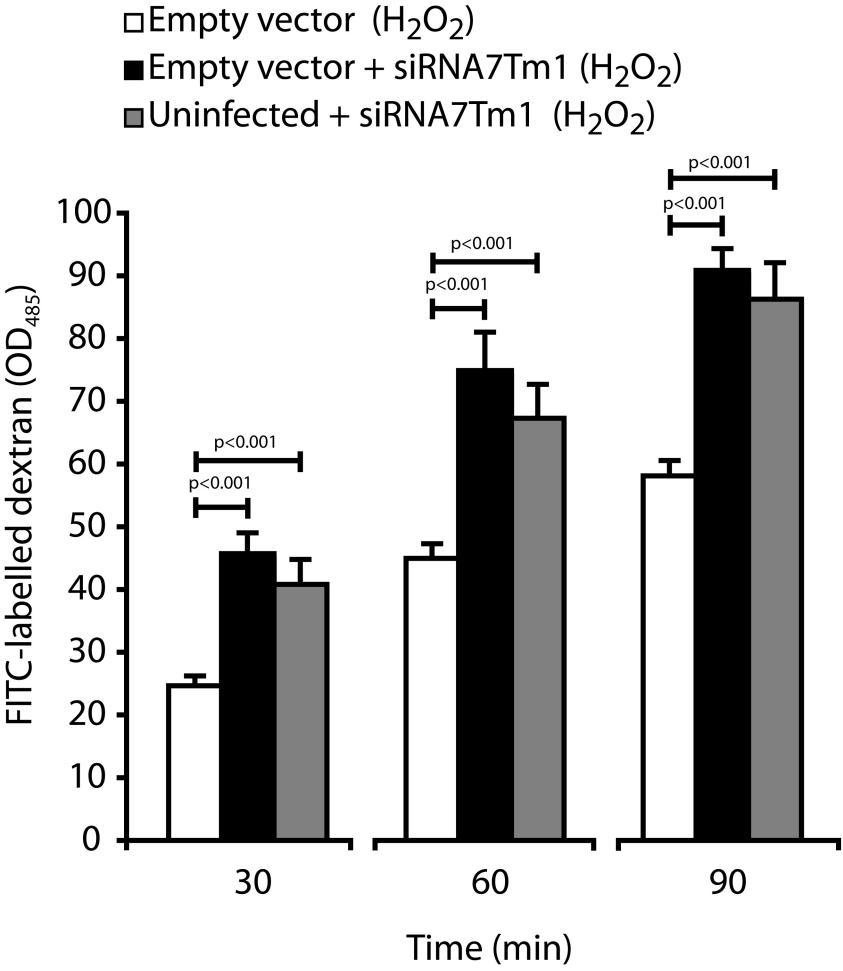
Empty vector (H2O2)
Empty vector + siRNA7Tm1 (H2O2)
Uninfected + siRNA7Tm1 (H2O2)
FITC-labelled dextran (OD485)
100
90
80
70
60
50
40
30
20
10
0
p<0.001
p<0.001
p<0.001
p<0.001
p<0.001
p<0.001
30
60
90
Time (min)

Figure S5.

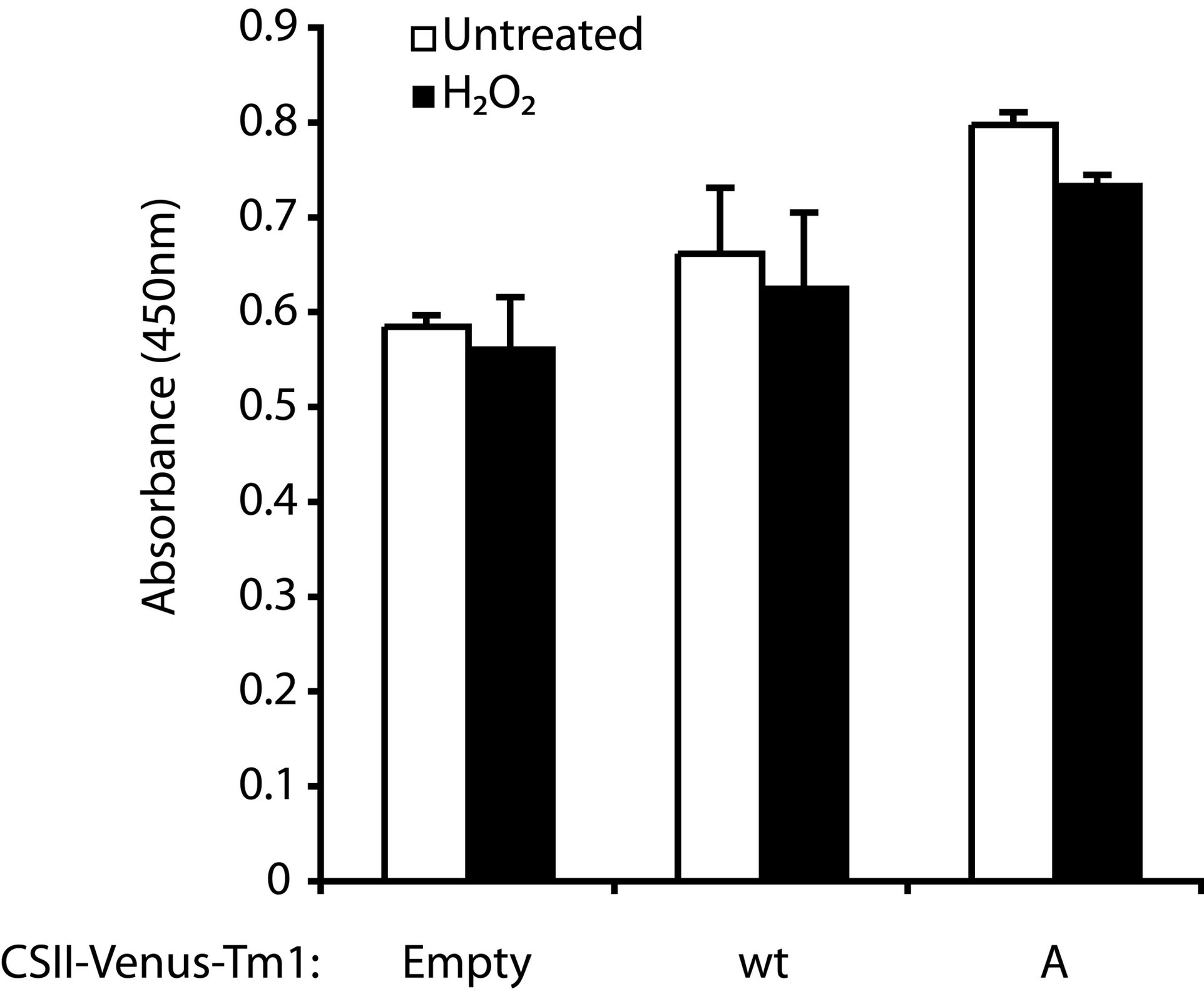
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
Absorbance (450nm)
Untreated
H2O2
CSII-Venus-Tm1:
Empty
wt
A

Figure S6.