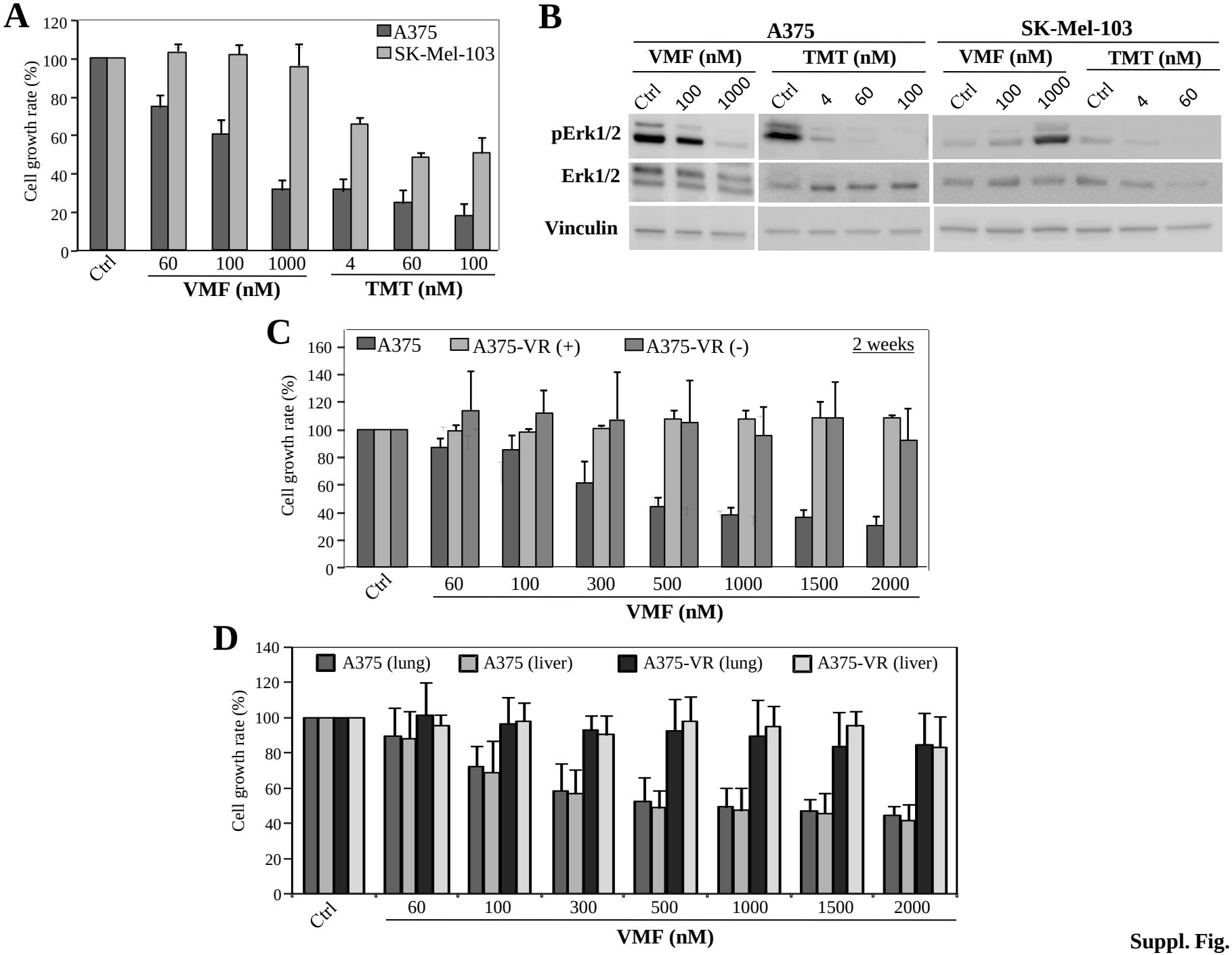
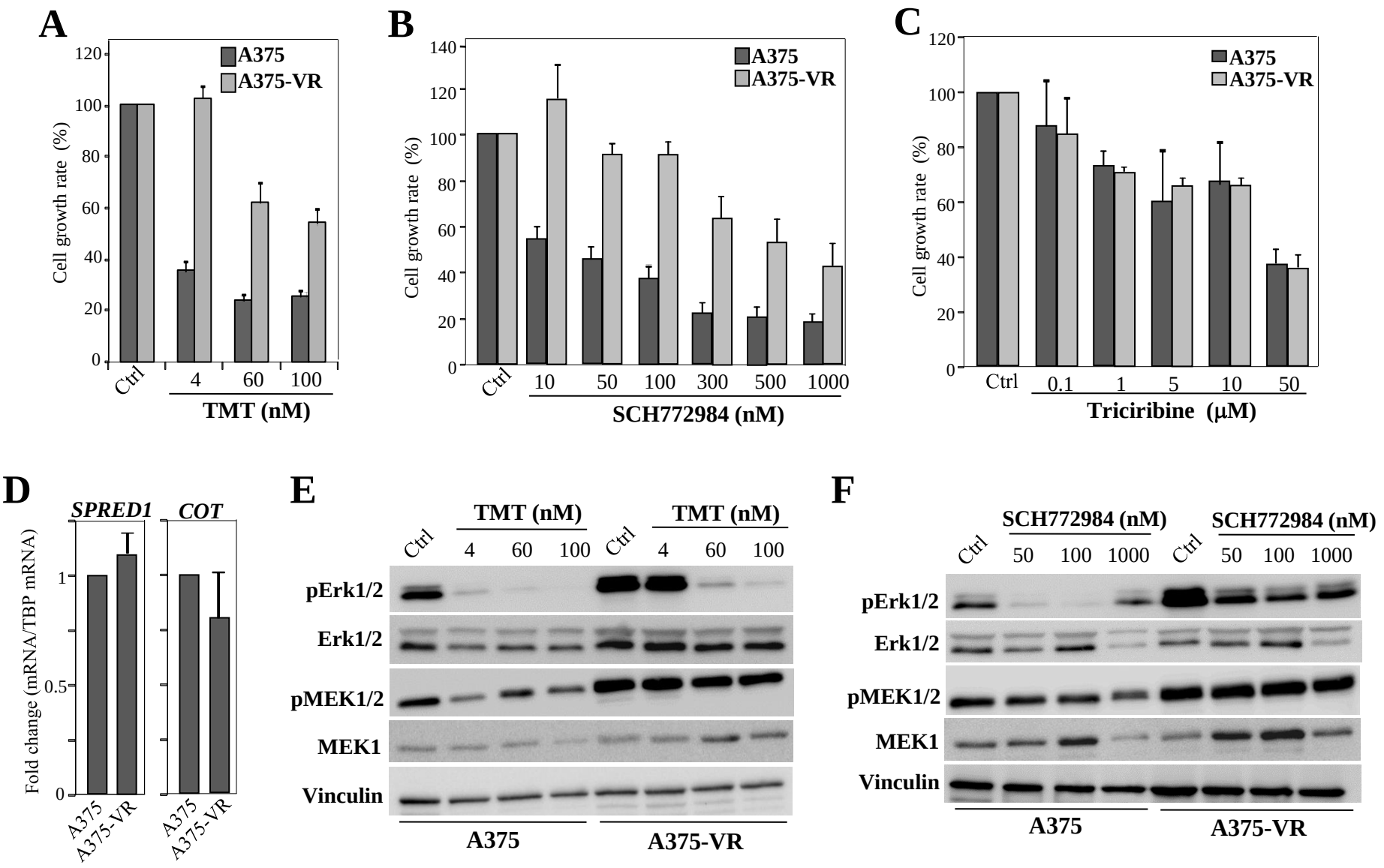
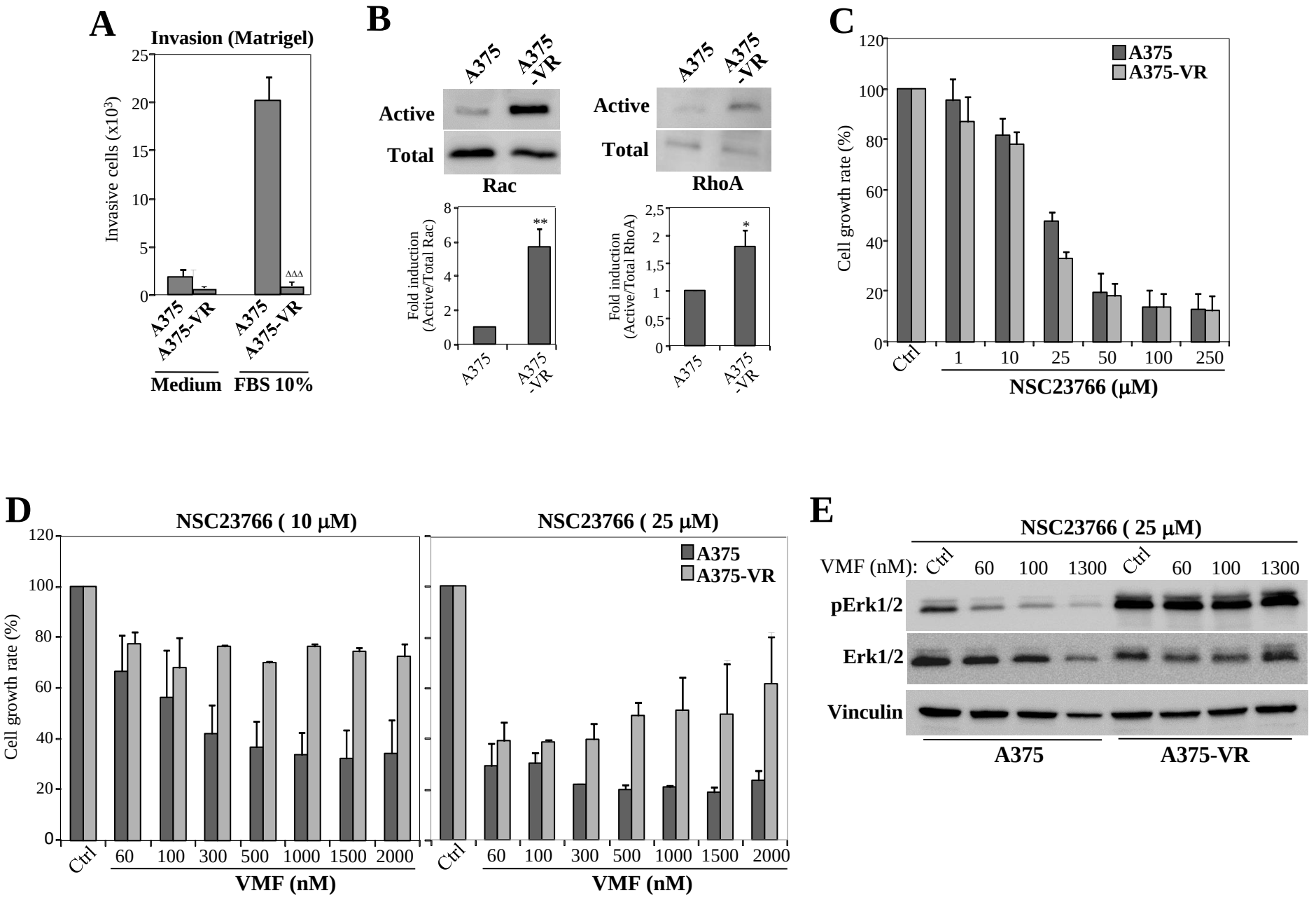

A
A375
SK-Mel-103
Cell growth rate (%)
Ctrl
60
100
1000
4
60
100
VMF (nM)
TMT (nM)
B
A375
SK-Mel-103
VMF (nM)
TMT (nM)
VMF (nM)
TMT (nM)
Ctrl
100
1000
Ctrl
4
60
100
Ctrl
100
1000
Ctrl
4
60
pErk1/2
Erk1/2
Vinculin
C
A375
A375-VR (+)
A375-VR (-)
2 weeks
Cell growth rate (%)
Ctrl
60
100
300
500
1000
1500
2000
VMF (nM)
D
A375 (lung)
A375 (liver)
A375-VR (lung)
A375-VR (liver)
Cell growth rate (%)
Ctrl
60
100
300
500
1000
1500
2000
VMF (nM)

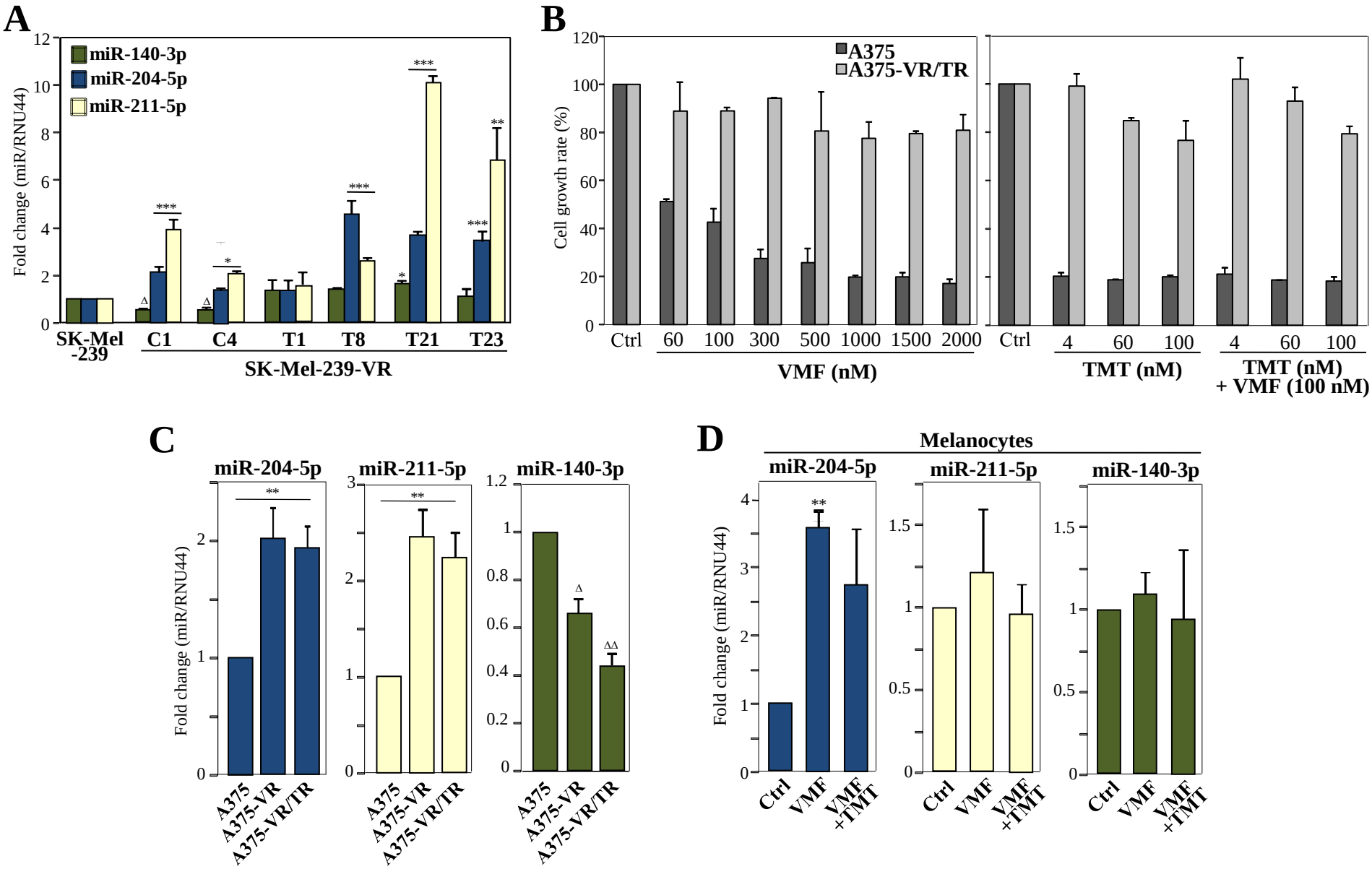
Suppl. Fig. S1


A
A375
A375-VR
Cell growth rate (%)
Ctrl
4
60
100
TMT (nM)
B
A375
A375-VR
Cell growth rate (%)
Ctrl
10
50
100
300
500
1000
SCH772984 (nM)
C
A375
A375-VR
Cell growth rate (%)
Ctrl
0.1
1
5
10
50
Triciribine (μM)
D
SPRED1
COT
Fold change (mRNA/TBP mRNA)
A375
A375-VR
E
TMT (nM)
Ctrl
4
60
100
pErk1/2
Erk1/2
pMEK1/2
MEK1
Vinculin
A375
A375-VR
F
SCH772984 (nM)
Ctrl
50
100
1000
pErk1/2
Erk1/2
pMEK1/2
MEK1
Vinculin
A375
A375-VR

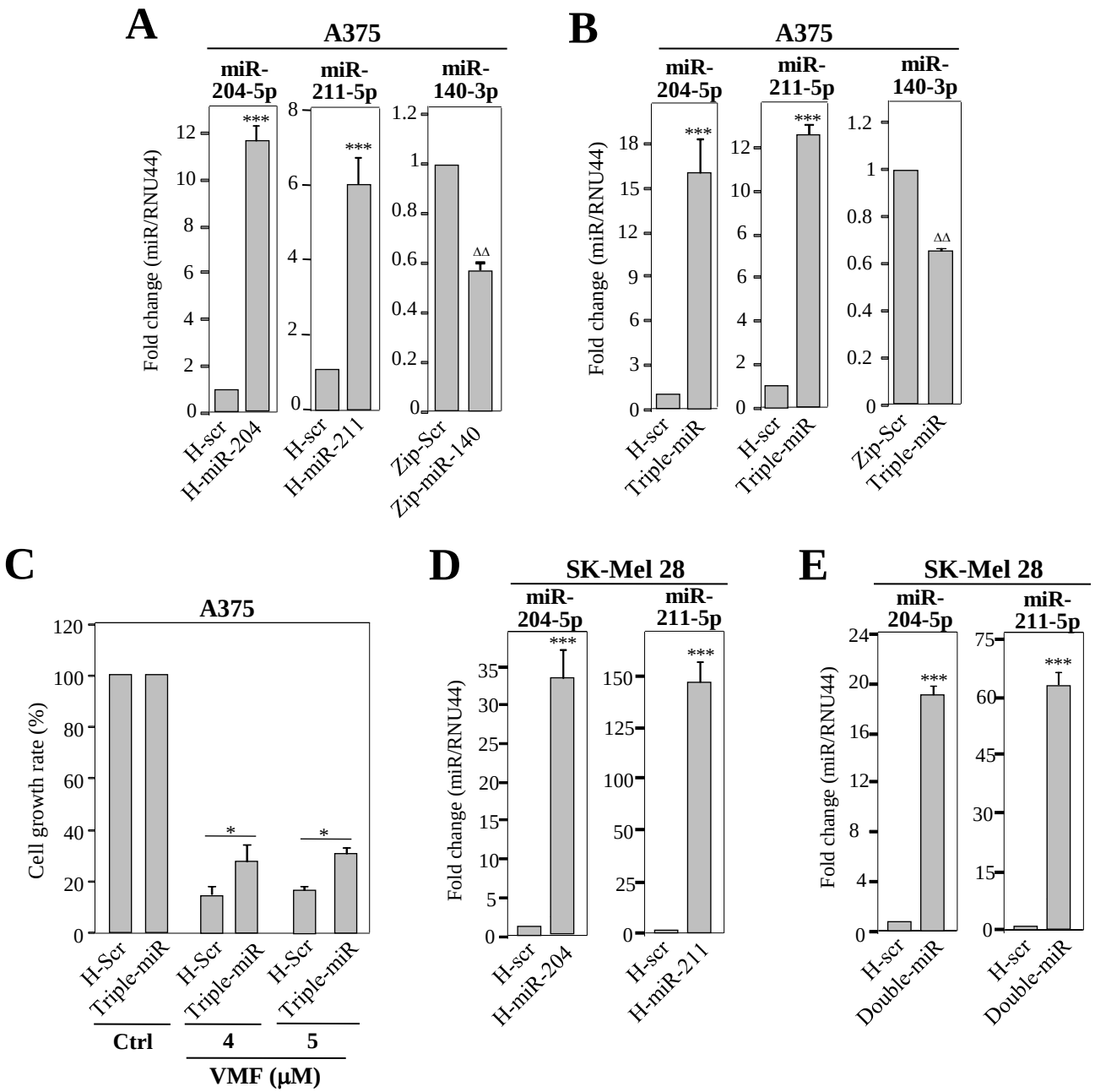
Suppl. Fig. S2


A
Invasion (Matrigel)
Invasive cells (x10³)
25
20
15
10
5
0
ΔΔΔ
A375
A375-VR
A375
A375-VR
Medium
FBS 10%
B
A375
A375 -VR
Active
Total
Rac
Fold induction (Active/Total Rac)
8
6
4
2
0
**
A375
A375 -VR
A375
A375 -VR
Active
Total
RhoA
Fold induction (Active/Total RhoA)
2,5
2
1,5
1
0,5
0
*
A375
A375 -VR
C
A375
A375-VR
Cell growth rate (%)
120
100
80
60
40
20
0
Ctrl
1
10
25
50
100
250
NSC23766 (μM)
D
NSC23766 (10 μM)
NSC23766 (25 μM)
A375
A375-VR
Cell growth rate (%)
120
100
80
60
40
20
0
Ctrl
60
100
300
500
1000
1500
2000
VMF (nM)
Ctrl
60
100
300
500
1000
1500
2000
VMF (nM)
E
NSC23766 (25 μM)
VMF (nM):
Ctrl
60
100
1300
Ctrl
60
100
1300
pErk1/2
Erk1/2
Vinculin
A375
A375-VR

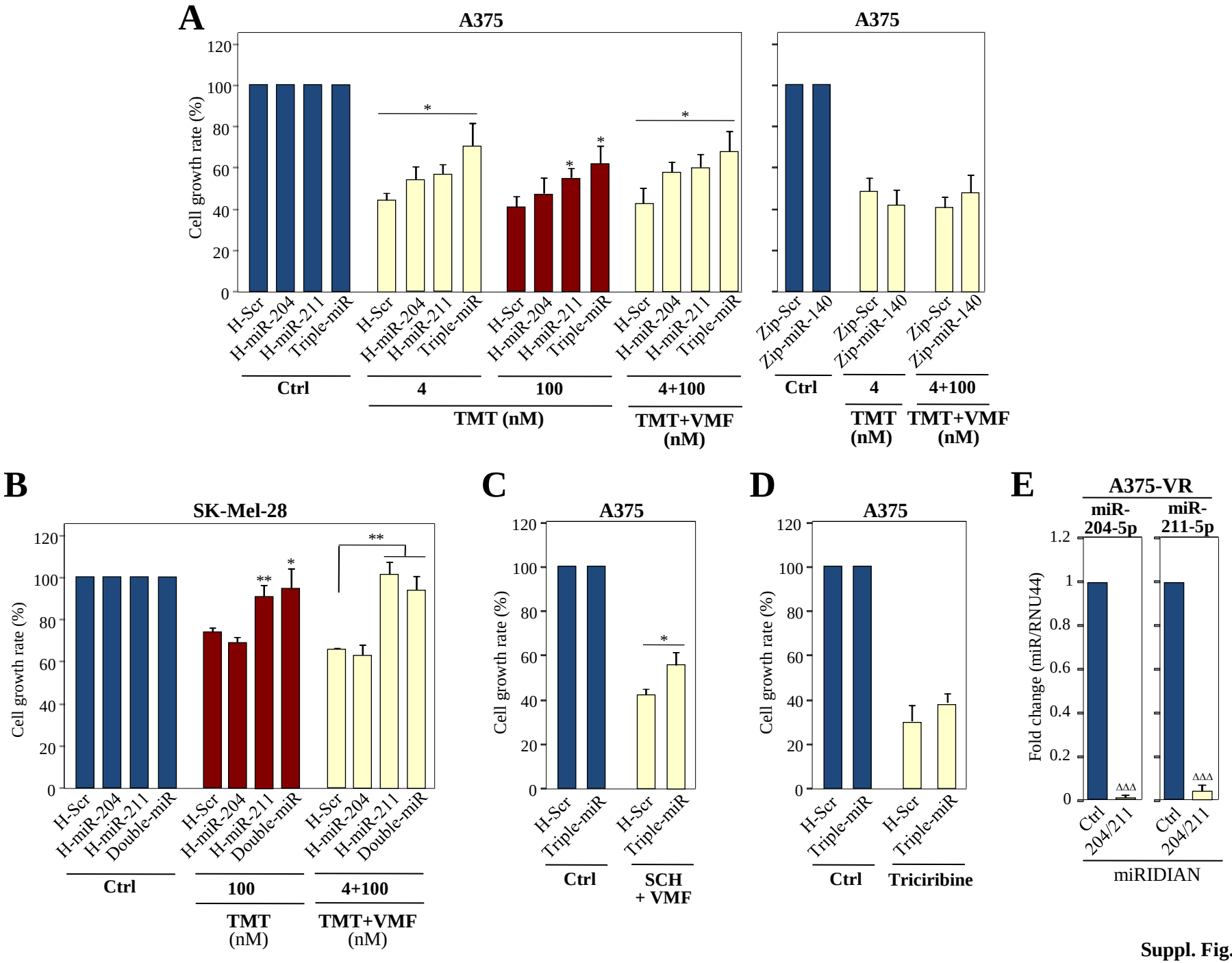
Suppl. Fig. S3


A
miR-140-3p
miR-204-5p
miR-211-5p
Fold change (miR/RNU44)
SK-Mel -239
C1
C4
T1
T8
T21
T23
SK-Mel-239-VR
B
A375
A375-VR/TR
Cell growth rate (%)
Ctrl
60
100
300
500
1000
1500
2000
VMF (nM)
4
TMT (nM)
TMT (nM) + VMF (100 nM)
C
miR-204-5p
miR-211-5p
miR-140-3p
A375
A375-VR
A375-VR/TR
D
Melanocytes
Ctrl
VMF
VMF +TMT

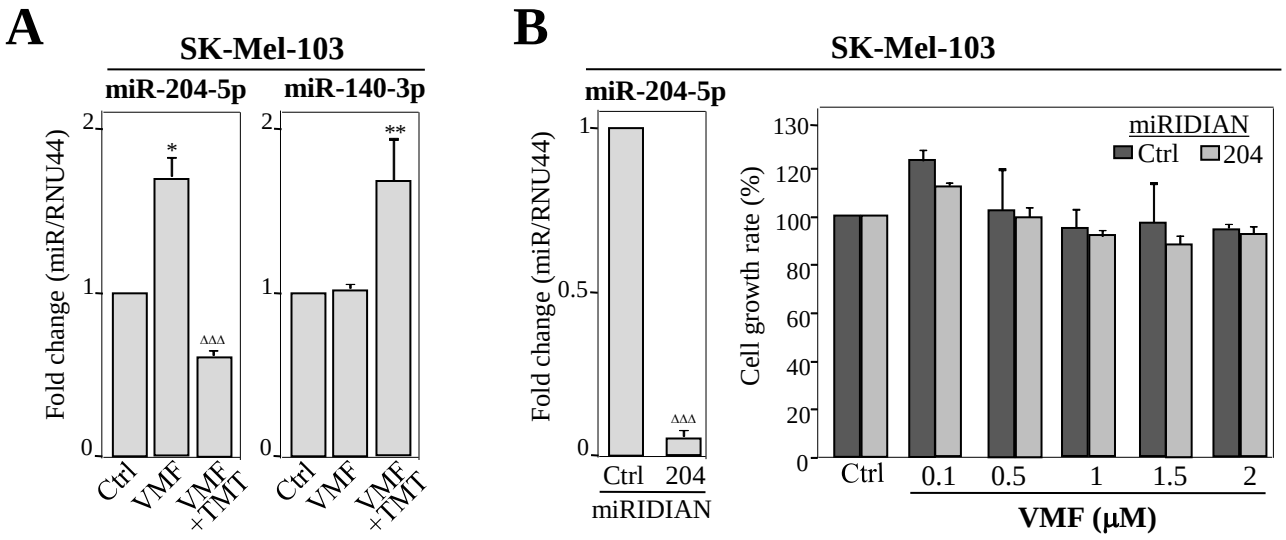
Suppl. Fig. S4


A
A375
miR-204-5p
miR-211-5p
miR-140-3p
Fold change (miR/RNU44)
***
***
ΔΔ
H-scr
H-miR-204
H-scr
H-miR-211
Zip-Scr
Zip-miR-140
B
A375
miR-204-5p
miR-211-5p
miR-140-3p
Fold change (miR/RNU44)
***
***
ΔΔ
H-scr
Triple-miR
H-scr
Triple-miR
Zip-Scr
Triple-miR
C
A375
Cell growth rate (%)
*
*
H-Scr
Triple-miR
H-Scr
Triple-miR
H-Scr
Triple-miR
Ctrl
4
5
VMF (μM)
D
SK-Mel 28
miR-204-5p
miR-211-5p
Fold change (miR/RNU44)
***
***
H-scr
H-miR-204
H-scr
H-miR-211
E
SK-Mel 28
miR-204-5p
miR-211-5p
Fold change (miR/RNU44)
***
***
H-scr
Double-miR
H-scr
Double-miR

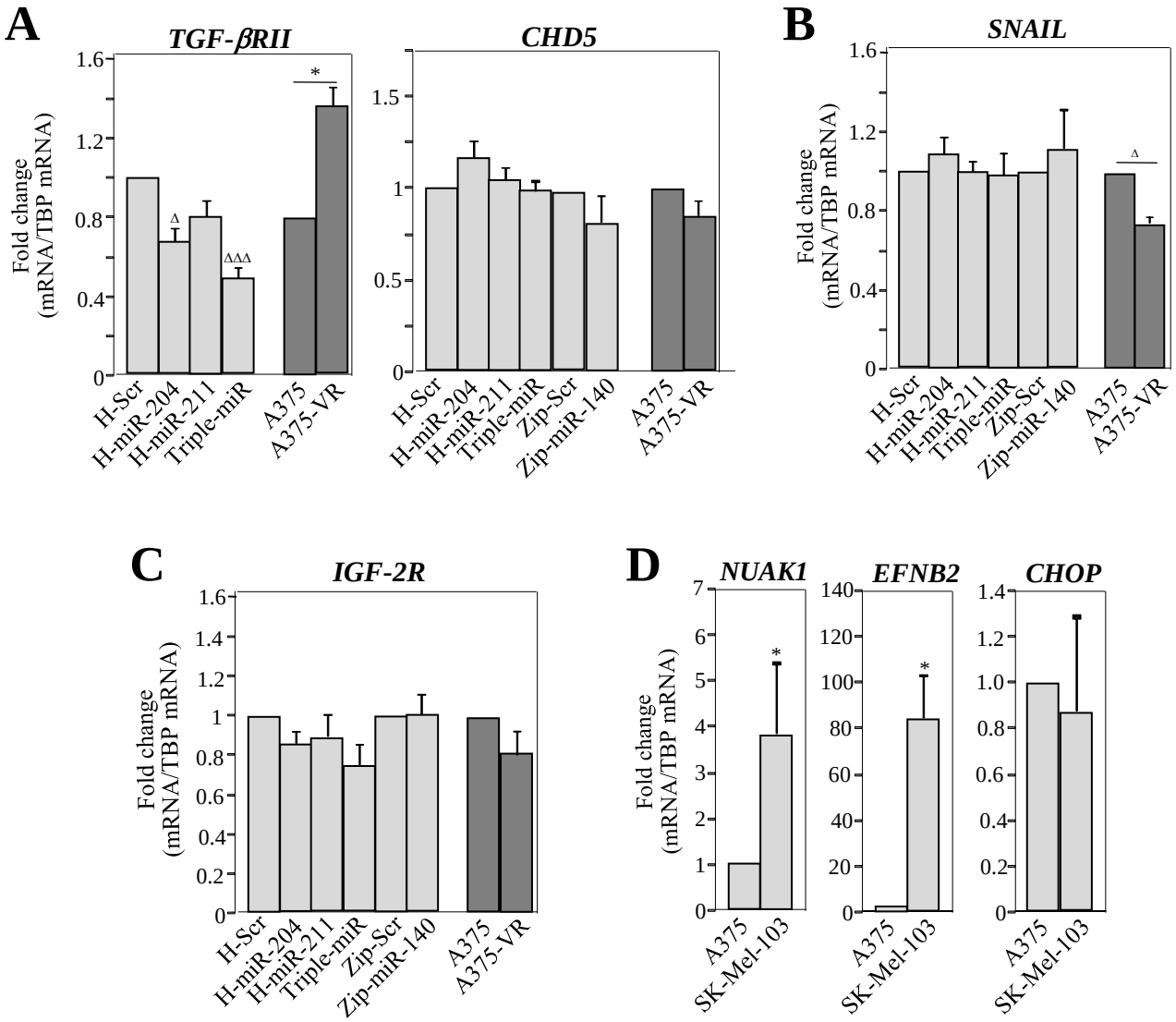
Suppl. Fig. S5


A
A375
Cell growth rate (%)
H-Scr
H-miR-204
H-miR-211
Triple-miR
Zip-Scr
Zip-miR-140
Ctrl
4
100
4+100
TMT (nM)
TMT+VMF (nM)
B
SK-Mel-28
Double-miR
C
D
Triciribine
SCH + VMF
E
A375-VR
miR-204-5p
miR-211-5p
Fold change (miR/RNU44)
204/211
miRIDIAN

Suppl. Fig. S6


A
SK-Mel-103
miR-204-5p
miR-140-3p
Fold change (miR/RNU44)
2
1
0
*
**
ΔΔΔ
Ctrl
VMF
VMF +TMT
B
SK-Mel-103
miR-204-5p
Fold change (miR/RNU44)
1
0.5
0
ΔΔΔ
Ctrl
204
miRIDIAN
Cell growth rate (%)
130
120
100
80
60
40
20
0
miRIDIAN
Ctrl
204
Ctrl
0.1
0.5
1
1.5
2
VMF (μM)

Suppl. Fig. 7


A
TGF-βRII
CHD5
B
SNAIL
C
IGF-2R
D
NUAK1
EFNB2
CHOP
Fold change
(mRNA/TBP mRNA)
H-Scr
H-miR-204
H-miR-211
Triple-miR
Zip-Scr
Zip-miR-140
A375
A375-VR
SK-Mel-103

Suppl. Fig. S8