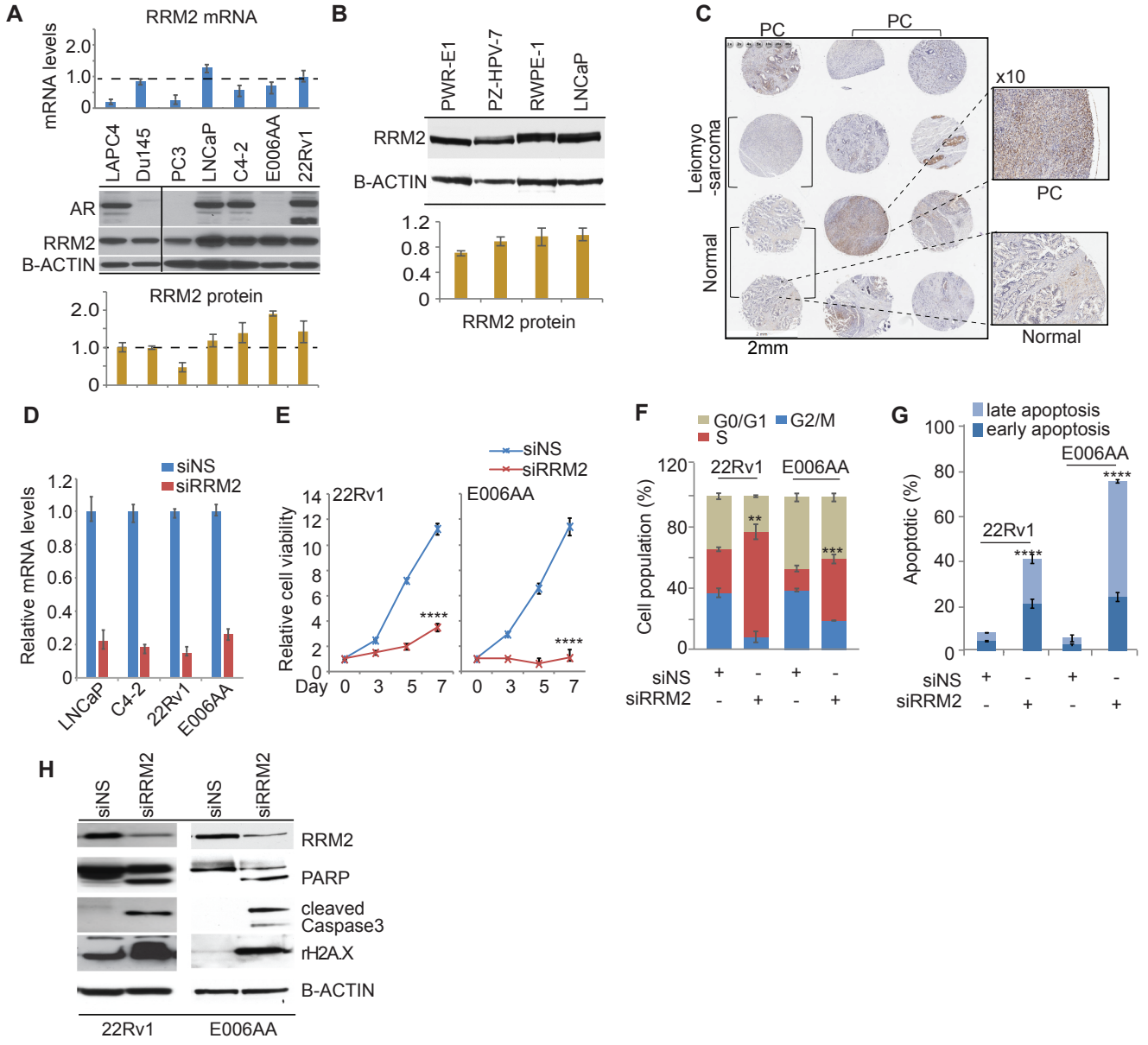
Figure S1


A
RRM2 mRNA
mRNA levels
2.0
1.0
0
LAPC4
Du145
PC3
LNCaP
C4-2
E006AA
22Rv1
AR
RRM2
B-ACTIN
RRM2 protein
B
PWR-E1
PZ-HPV-7
RWPE-1
LNCaP
RRM2
B-ACTIN
1.2
0.8
0.4
0
RRM2 protein
C
PC
PC
x10
Leiomyo
-sarcoma
Normal
PC
Normal
2mm
D
siNS
siRRM2
Relative mRNA levels
1.2
1.0
0.8
0.6
0.4
0.2
0
LNCaP
C4-2
22Rv1
E006AA
E
siNS
siRRM2
22Rv1
E006AA
Relative cell viability
14
12
10
8
6
4
2
0
****
****
Day 0 3 5 7
0 3 5 7
F
G0/G1
G2/M
S
22Rv1
E006AA
Cell population (%)
120
80
40
0
**
***
siNS + - + -
siRRM2 - + - +
G
late apoptosis
early apoptosis
E006AA
22Rv1
Apoptotic (%)
100
80
60
40
20
0
****
****
siNS + - + -
siRRM2 - + - +
H
siNS
siRRM2
siNS
siRRM2
RRM2
PARP
cleaved
Caspase3
rH2A.X
B-ACTIN
22Rv1
E006AA