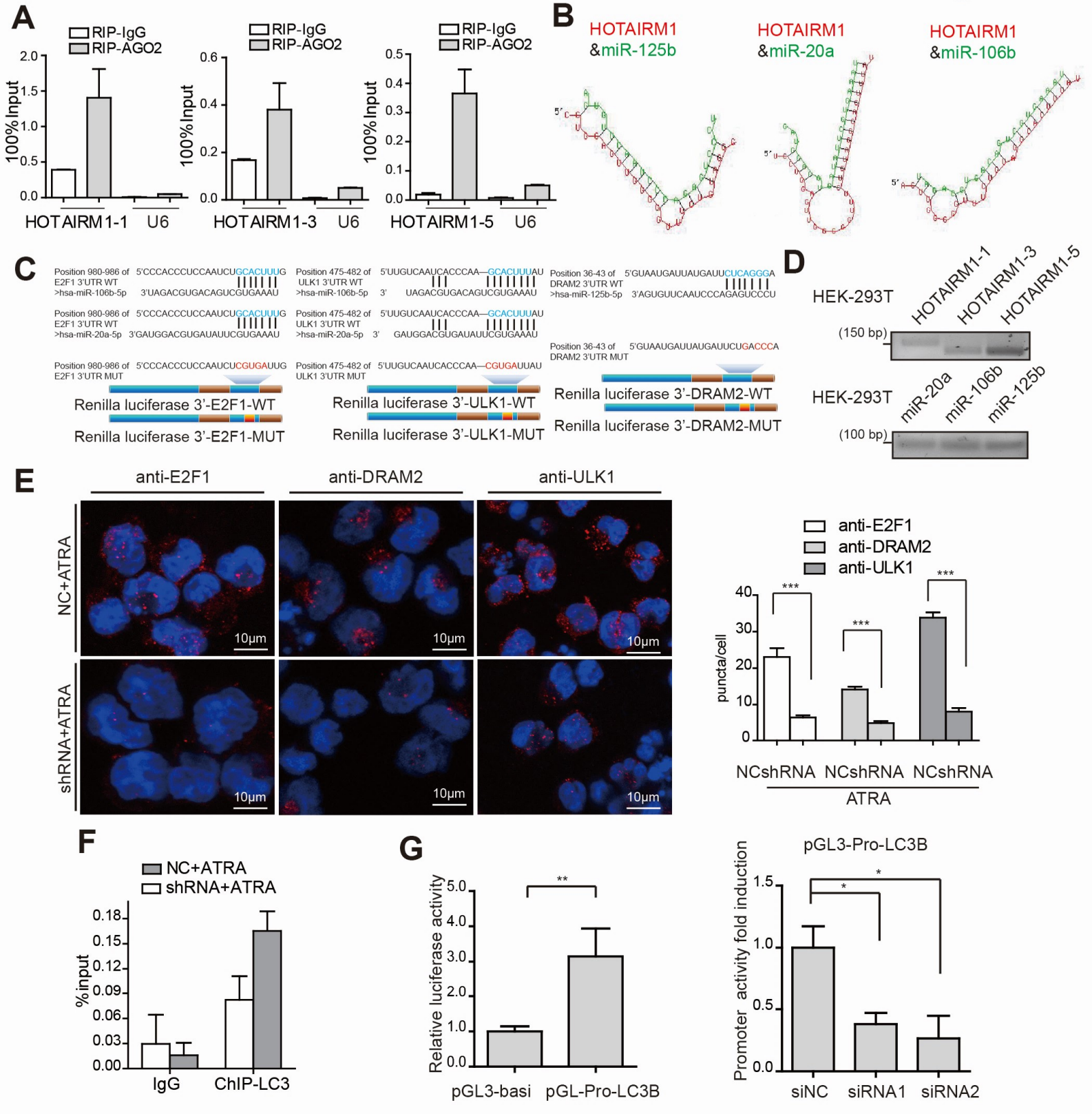
Figure S4


A
RIP-IgG
RIP-AGO2
100%Input
HOTAIRM1-1
U6
HOTAIRM1-3
HOTAIRM1-5
B
HOTAIRM1
&miR-125b
&miR-20a
&miR-106b
C
Position 980-986 of E2F1 3'UTR WT
5'CCCACCCUCCAAUCUGCACUUUG
>hsa-miR-106b-5p 3'UAGACGUGACAGUCGUGAAAU
Position 475-482 of ULK1 3'UTR WT
5'UUGUCAAUCACCCAA—GCACUUUAU
>hsa-miR-106b-5p 3' UAGACGUGACAGUCGUGAAAU
Position 36-43 of DRAM2 3'UTR WT
5'GUAAUGAUUAUGAUUCUCAGGGA
>hsa-miR-125b-5p 3'AGUGUUCAAUCCCAGAGUCCCU
Position 980-986 of E2F1 3'UTR WT
5'CCCACCCUCCAAUCUGCACUUUG
>hsa-miR-20a-5p 3'GAUGGACGUGAUAUUCGUGAAAU
Position 475-482 of ULK1 3'UTR WT
5'UUGUCAAUCACCCAA—GCACUUUAU
>hsa-miR-20a-5p 3' GAUGGACGUGAUAUUCGUGAAAU
Position 980-986 of E2F1 3'UTR MUT
5'CCCACCCUCCAAUCUCGUGAUUG
Position 475-482 of ULK1 3'UTR MUT
5'UUGUCAAUCACCCAA—CGUGAUUAU
Position 36-43 of DRAM2 3'UTR MUT
5'GUAAUGAUUAUGAUUCUGACCCA
Renilla luciferase 3'-E2F1-WT
Renilla luciferase 3'-E2F1-MUT
Renilla luciferase 3'-ULK1-WT
Renilla luciferase 3'-ULK1-MUT
Renilla luciferase 3'-DRAM2-WT
Renilla luciferase 3'-DRAM2-MUT
D
HEK-293T
HOTAIRM1-1
HOTAIRM1-3
HOTAIRM1-5
(150 bp)
miR-20a
miR-106b
miR-125b
(100 bp)
E
anti-E2F1
anti-DRAM2
anti-ULK1
NC+ATRA
shRNA+ATRA
10μm
puncta/cell
NCshRNA
ATRA
F
NC+ATRA
shRNA+ATRA
%input
IgG
ChIP-LC3
G
Relative luciferase activity
pGL3-basi
pGL-Pro-LC3B
Promoter activity fold induction
siNC
siRNA1
siRNA2