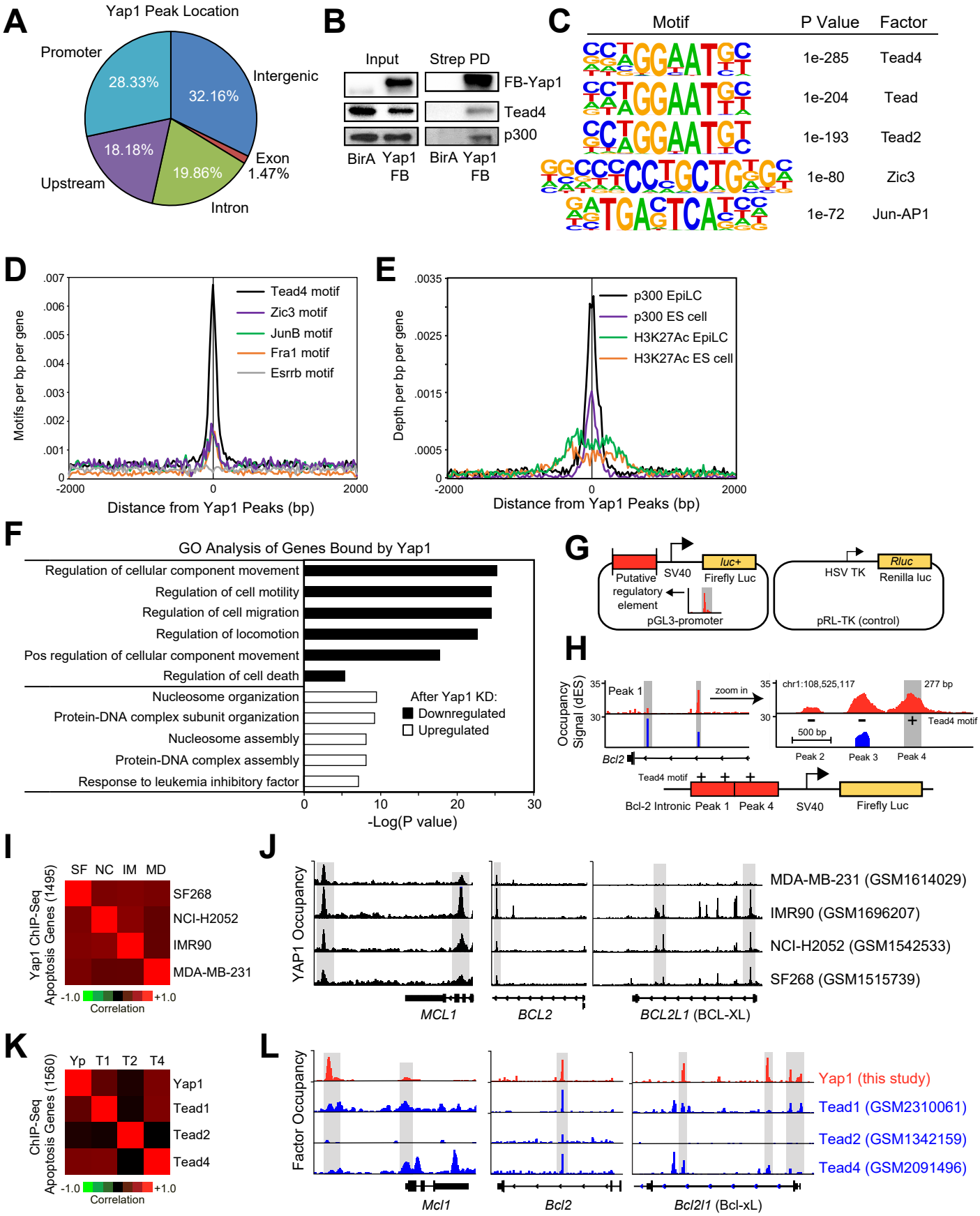
Figure S4


A
Yap1 Peak Location
Promoter
28.33%
32.16%
Intergenic
18.18%
19.86%
Exon
1.47%
Upstream
Intron
B
Input
Strep PD
FB-Yap1
Tead4
p300
BirA Yap1 FB
BirA Yap1 FB
C
Motif
P Value
Factor
1e-285
Tead4
1e-204
Tead
1e-193
Tead2
1e-80
Zic3
1e-72
Jun-AP1
D
Motifs per bp per gene
Tead4 motif
Zic3 motif
JunB motif
Fra1 motif
Esrrb motif
Distance from Yap1 Peaks (bp)
E
Depth per bp per gene
p300 EpiLC
p300 ES cell
H3K27Ac EpiLC
H3K27Ac ES cell
Distance from Yap1 Peaks (bp)
F
GO Analysis of Genes Bound by Yap1
Regulation of cellular component movement
Regulation of cell motility
Regulation of cell migration
Regulation of locomotion
Pos regulation of cellular component movement
Regulation of cell death
Nucleosome organization
Protein-DNA complex subunit organization
Nucleosome assembly
Protein-DNA complex assembly
Response to leukemia inhibitory factor
After Yap1 KD:
Downregulated
Upregulated
-Log(P value)
G
Putative regulatory element
SV40
luc+
Firefly Luc
pGL3-promoter
HSV TK
Rluc
Renilla luc
pRL-TK (control)
H
Occupancy Signal (dES)
Peak 1
zoom in
chr1:108,525,117
277 bp
Tead4 motif
500 bp
Peak 2
Peak 3
Peak 4
Bcl2
Tead4 motif
Bcl-2 Intronic Peak 1
Peak 4
SV40
Firefly Luc
I
SF NC IM MD
SF268
NCI-H2052
IMR90
MDA-MB-231
Yap1 ChIP-Seq Apoptosis Genes (1495)
-1.0
+1.0
Correlation
J
YAP1 Occupancy
MDA-MB-231 (GSM1614029)
IMR90 (GSM1696207)
NCI-H2052 (GSM1542533)
SF268 (GSM1515739)
MCL1
BCL2
BCL2L1 (BCL-XL)
K
Yp T1 T2 T4
Yap1
Tead1
Tead2
Tead4
ChIP-Seq Apoptosis Genes (1560)
-1.0
+1.0
Correlation
L
Factor Occupancy
Yap1 (this study)
Tead1 (GSM2310061)
Tead2 (GSM1342159)
Tead4 (GSM2091496)
Mcl1
Bcl2
Bcl2l1 (Bcl-xL)