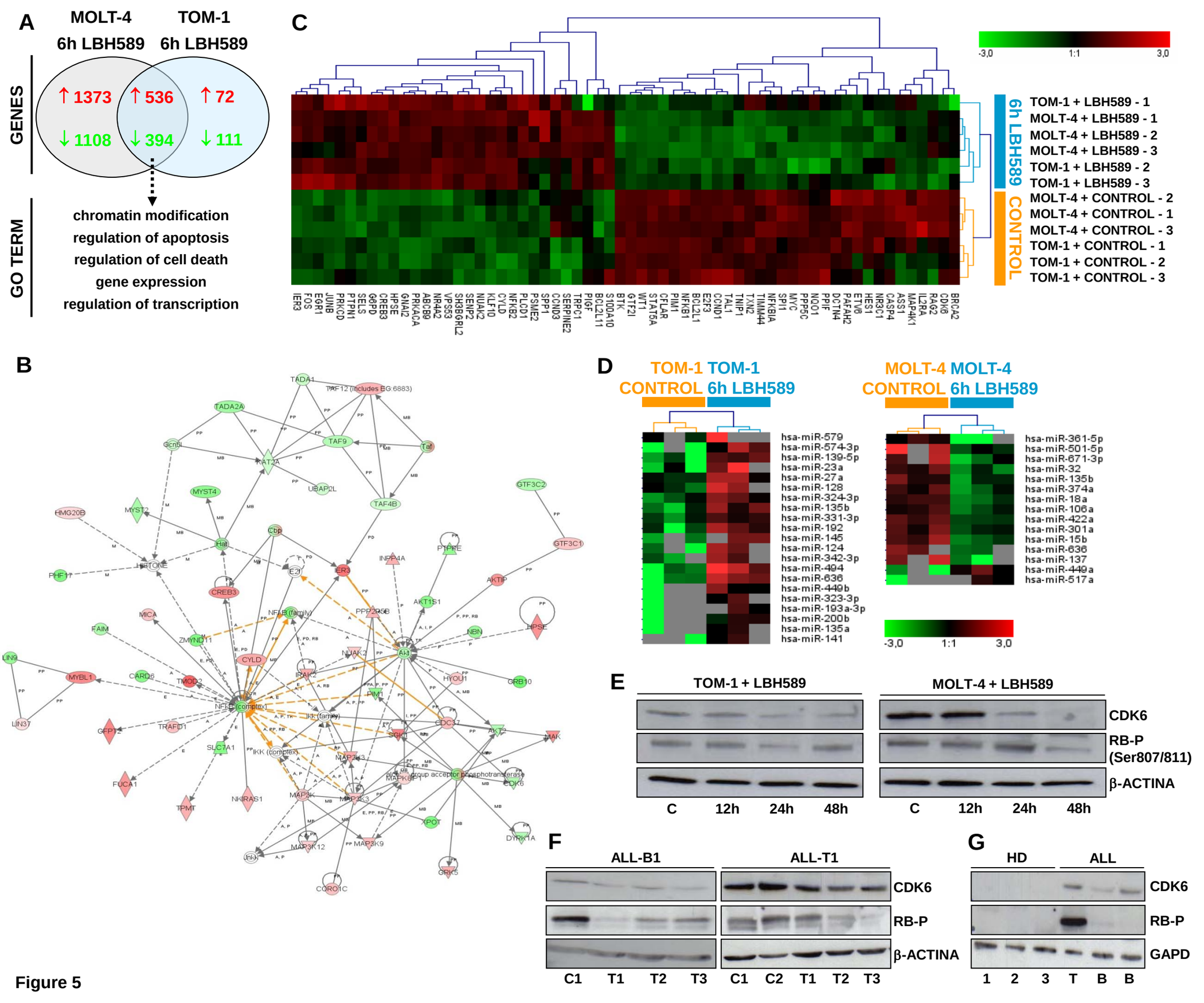
A
MOLT-4
6h LBH589
TOM-1
6h LBH589
GENES
↑ 1373
↓ 1108
↑ 536
↓ 394
↑ 72
↓ 111
GO TERM
chromatin modification
regulation of apoptosis
regulation of cell death
gene expression
regulation of transcription
C
-3,0
1:1
3,0
6h LBH589
CONTROL
TOM-1 + LBH589 - 1
MOLT-4 + LBH589 - 1
MOLT-4 + LBH589 - 2
MOLT-4 + LBH589 - 3
TOM-1 + LBH589 - 2
TOM-1 + LBH589 - 3
MOLT-4 + CONTROL - 2
MOLT-4 + CONTROL - 1
MOLT-4 + CONTROL - 3
TOM-1 + CONTROL - 1
TOM-1 + CONTROL - 2
TOM-1 + CONTROL - 3
IER3 FOS EGR1 JUNB PRKCD PTPN1 SELS G6PD CREB3 HPSE GNAI2 PRKACA ABCB9 NR4A2 VPS53 SH3BGRL2 SENP2 NUAK2 KLF10 CYLD NFKB2 PLCD1 PSME2 SPP1 CCND3 SERPINE2 TRPC1 PIGF BCL2L11 S100A10 BTK GTF2I WT1 STAT5A CFLAR PIM1 NFKB1 BCL2L1 E2F3 CCND1 TAL1 TNIP1 TXN2 TIMM44 NFKBIA SPI1 MYC PPP5C NQO1 DCTN4 PAFAH2 ETV6 HES1 NR3C1 CASP4 ASS1 MAP4K1 IL2RA RAG2 CDK6 BRCA2
B
TADA1
TAF12 (includes EG:6883)
TADA2A
TAF9
Taf
Gcn5L
KAT2A
UBAP2L
TAF4B
GTF3C2
GTF3C1
MYST4
MYST2
HMG20B
Hat
Cbp
HISTONE
PHF17
E2f
IER3
INPP4A
PTPRE
AKTIP
CREB3
AKT1S1
PPP2R5B
NFκB (family)
MICA
FAIM
ZMYND11
NBN
HPSE
CYLD
NUAK2
Akt
LING
MYBL1
CARD6
TMOD2
IRAK2
HYOU1
GRB10
PIM1
NFκB (complex)
LIN37
TRAFD1
IKK (family)
CDC37
AKT2
GFP12
SGK1
MAK
SLC7A1
IKK (complex)
MAP2K3
FUCA1
MAPK6IP1
CDK6
TPMT
NKIRAS1
MAP3K
MAP3K3
XPOT
DYRK1A
MAP3K12
MAP3K9
Unk
GRK5
CORO1C
D
TOM-1 CONTROL
TOM-1 6h LBH589
MOLT-4 CONTROL
MOLT-4 6h LBH589
hsa-miR-579
hsa-miR-574-3p
hsa-miR-139-5p
hsa-miR-23a
hsa-miR-27a
hsa-miR-128
hsa-miR-324-3p
hsa-miR-135b
hsa-miR-331-3p
hsa-miR-192
hsa-miR-145
hsa-miR-124
hsa-miR-342-3p
hsa-miR-494
hsa-miR-636
hsa-miR-449b
hsa-miR-323-3p
hsa-miR-193a-3p
hsa-miR-200b
hsa-miR-135a
hsa-miR-141
hsa-miR-361-5p
hsa-miR-501-5p
hsa-miR-671-3p
hsa-miR-32
hsa-miR-135b
hsa-miR-374a
hsa-miR-18a
hsa-miR-106a
hsa-miR-422a
hsa-miR-301a
hsa-miR-15b
hsa-miR-636
hsa-miR-137
hsa-miR-449a
hsa-miR-517a
-3,0
1:1
3,0
E
TOM-1 + LBH589
MOLT-4 + LBH589
CDK6
RB-P (Ser807/811)
β-ACTINA
C
12h
24h
48h
F
ALL-B1
ALL-T1
CDK6
RB-P
β-ACTINA
C1
T1
T2
T3
C2
G
HD
ALL
CDK6
RB-P
GAPD
1
2
3
T
B

Figure 5