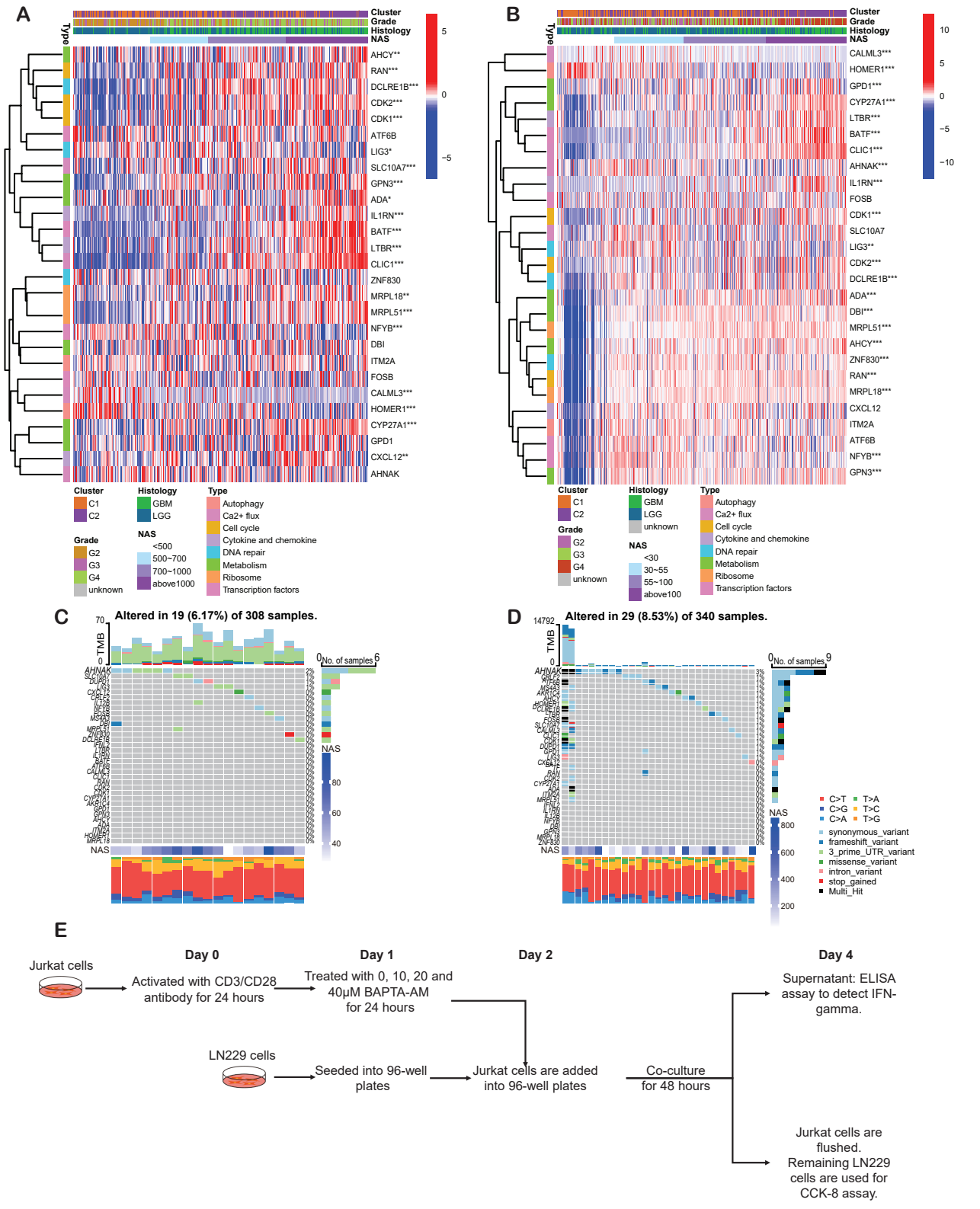
A
Cluster
Grade
Histology
NAS
Type
AHCY**
RAN***
DCLRE1B***
CDK2***
CDK1***
ATF6B
LIG3*
SLC10A7***
GPN3***
ADA*
IL1RN***
BATF***
LTBR***
CLIC1***
ZNF830
MRPL18**
MRPL51***
NFYB***
DBI
ITM2A
FOSB
CALML3***
HOMER1***
CYP27A1***
GPD1
CXCL12**
AHNAK
Cluster
C1
C2
Histology
GBM
LGG
Type
Autophagy
Ca2+ flux
Cell cycle
Cytokine and chemokine
DNA repair
Metabolism
Ribosome
Transcription factors
Grade
G2
G3
G4
unknown
NAS
<500
500~700
700~1000
above1000
B
Cluster
Grade
Histology
NAS
Type
CALML3***
HOMER1***
GPD1***
CYP27A1***
LTBR***
BATF***
CLIC1***
AHNAK***
IL1RN***
FOSB
CDK1***
SLC10A7
LIG3**
CDK2***
DCLRE1B***
ADA***
DBI***
MRPL51***
AHCY***
ZNF830***
RAN***
MRPL18***
CXCL12
ITM2A
ATF6B
NFYB***
GPN3***
Cluster
C1
C2
Grade
G2
G3
G4
unknown
Histology
GBM
LGG
unknown
NAS
<30
30~55
55~100
above100
Type
Autophagy
Ca2+ flux
Cell cycle
Cytokine and chemokine
DNA repair
Metabolism
Ribosome
Transcription factors
C
Altered in 19 (6.17%) of 308 samples.
TMB
No. of samples
NAS
D
Altered in 29 (8.53%) of 340 samples.
TMB
No. of samples
NAS
C>T
C>G
C>A
T>A
T>C
T>G
synonymous_variant
frameshift_variant
3_prime_UTR_variant
missense_variant
intron_variant
stop_gained
Multi_Hit
E
Jurkat cells
Day 0
Activated with CD3/CD28 antibody for 24 hours
Day 1
Treated with 0, 10, 20 and 40μM BAPTA-AM for 24 hours
Day 2
LN229 cells
Seeded into 96-well plates
Jurkat cells are added into 96-well plates
Co-culture for 48 hours
Day 4
Supernatant: ELISA assay to detect IFN-gamma.
Jurkat cells are flushed. Remaining LN229 cells are used for CCK-8 assay.