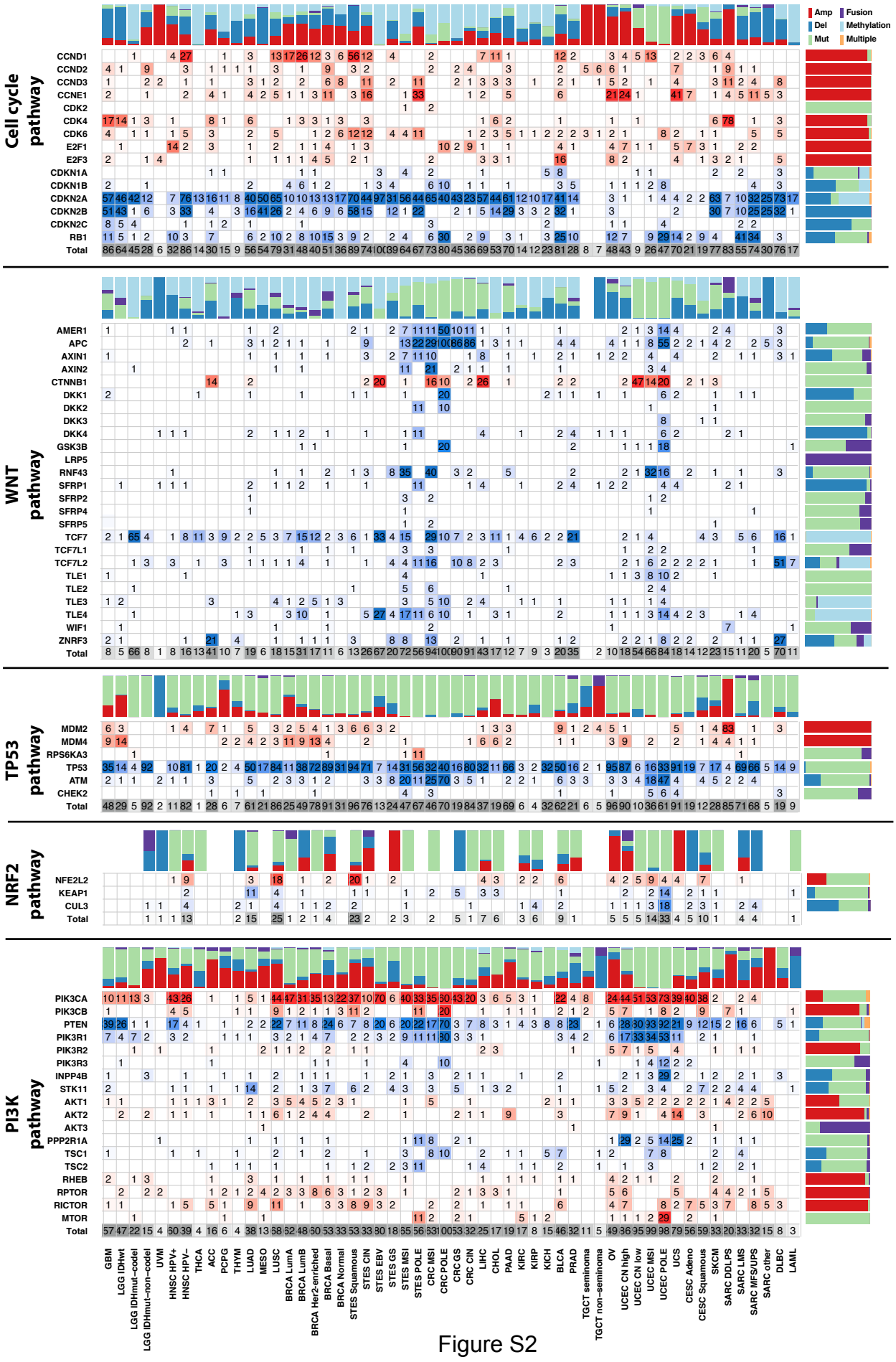
Amp
Fusion
Del
Methylation
Mut
Multiple
Cell cycle pathway
CCND1
CCND2
CCND3
CCNE1
CDK2
CDK4
CDK6
E2F1
E2F3
CDKN1A
CDKN1B
CDKN2A
CDKN2B
CDKN2C
RB1
Total
WNT pathway
AMER1
APC
AXIN1
AXIN2
CTNNB1
DKK1
DKK2
DKK3
DKK4
GSK3B
LRP5
RNF43
SFRP1
SFRP2
SFRP4
SFRP5
TCF7
TCF7L1
TCF7L2
TLE1
TLE2
TLE3
TLE4
WIF1
ZNRF3
Total
TP53 pathway
MDM2
MDM4
RPS6KA3
TP53
ATM
CHEK2
Total
NRF2 pathway
NFE2L2
KEAP1
CUL3
Total
PI3K pathway
PIK3CA
PIK3CB
PTEN
PIK3R1
PIK3R2
PIK3R3
INPP4B
STK11
AKT1
AKT2
AKT3
PPP2R1A
TSC1
TSC2
RHEB
RPTOR
RICTOR
MTOR
Total
GBM
LGG IDHwt
LGG IDHmut-codel
LGG IDHmut-non-codel
UVM
HNSC HPV+
HNSC HPV-
THCA
ACC
PCPG
THYM
LUAD
MESO
LUSC
BRCA LumA
BRCA LumB
BRCA Her2-enriched
BRCA Basal
BRCA Normal
STES Squamous
STES CIN
STES EBV
STES GS
STES MSI
STES POLE
CRC MSI
CRC POLE
CRC GS
CRC CIN
LIHC
CHOL
PAAD
KIRC
KIRP
KICH
BLCA
PRAD
TGCT seminoma
TGCT non-seminoma
OV
UCEC CN high
UCEC CN low
UCEC MSI
UCEC POLE
UCS
CESC Adeno
CESC Squamous
SKCM
SARC DDLPS
SARC LMS
SARC MFS/UPS
SARC other
DLBC
LAML

Figure S2