

STK3 higher expression association with clinical characteristics in intrinsic subtypes of breast cancer invasive ductal carcinoma patients

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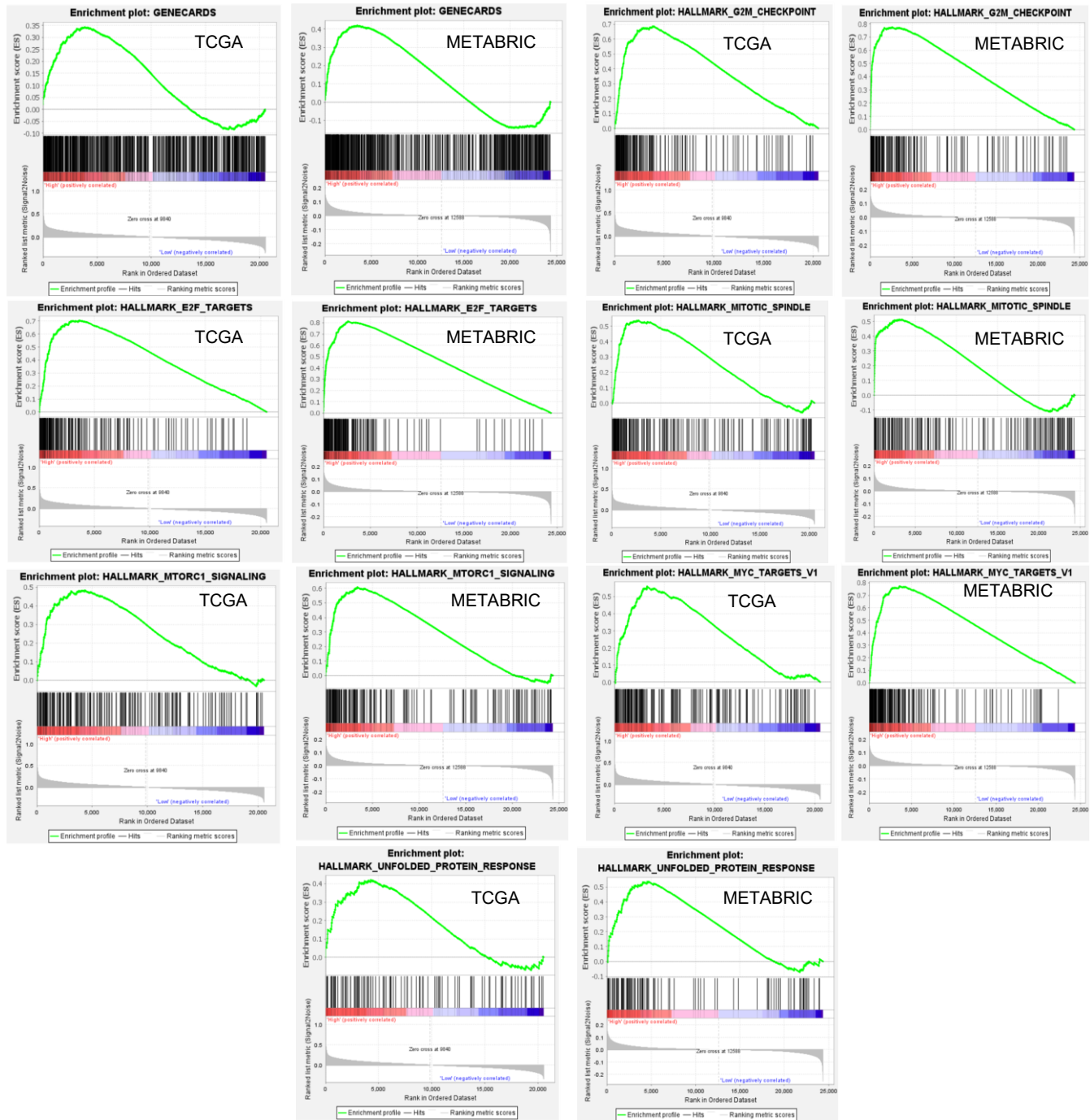
Kedleston Road Derby DE22 1GB, England, United Kingdom

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Supplementary Table S1: Significantly enriched pathways in STK3 higher phenotype

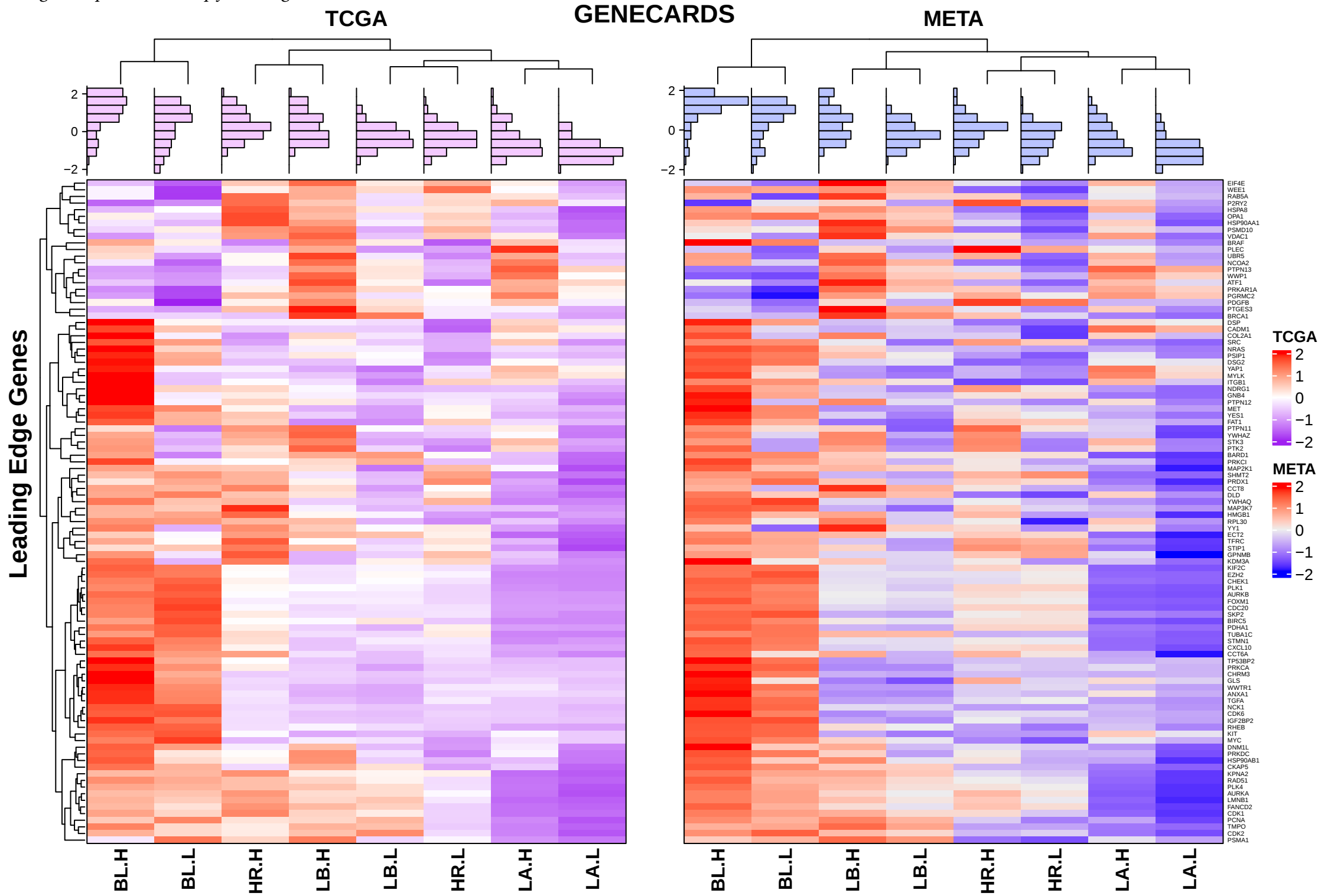
[illegible]

Fig.S1



GSEA Enrichment plots of significantly enriched pathways Based on a threshold of NES > 1.5%, p-value 0.05%, and FDR < 0.25% of hall Mark gene sets and the query-based gene set.

Fig 3.a Separate heatmap for enlarge visualization .

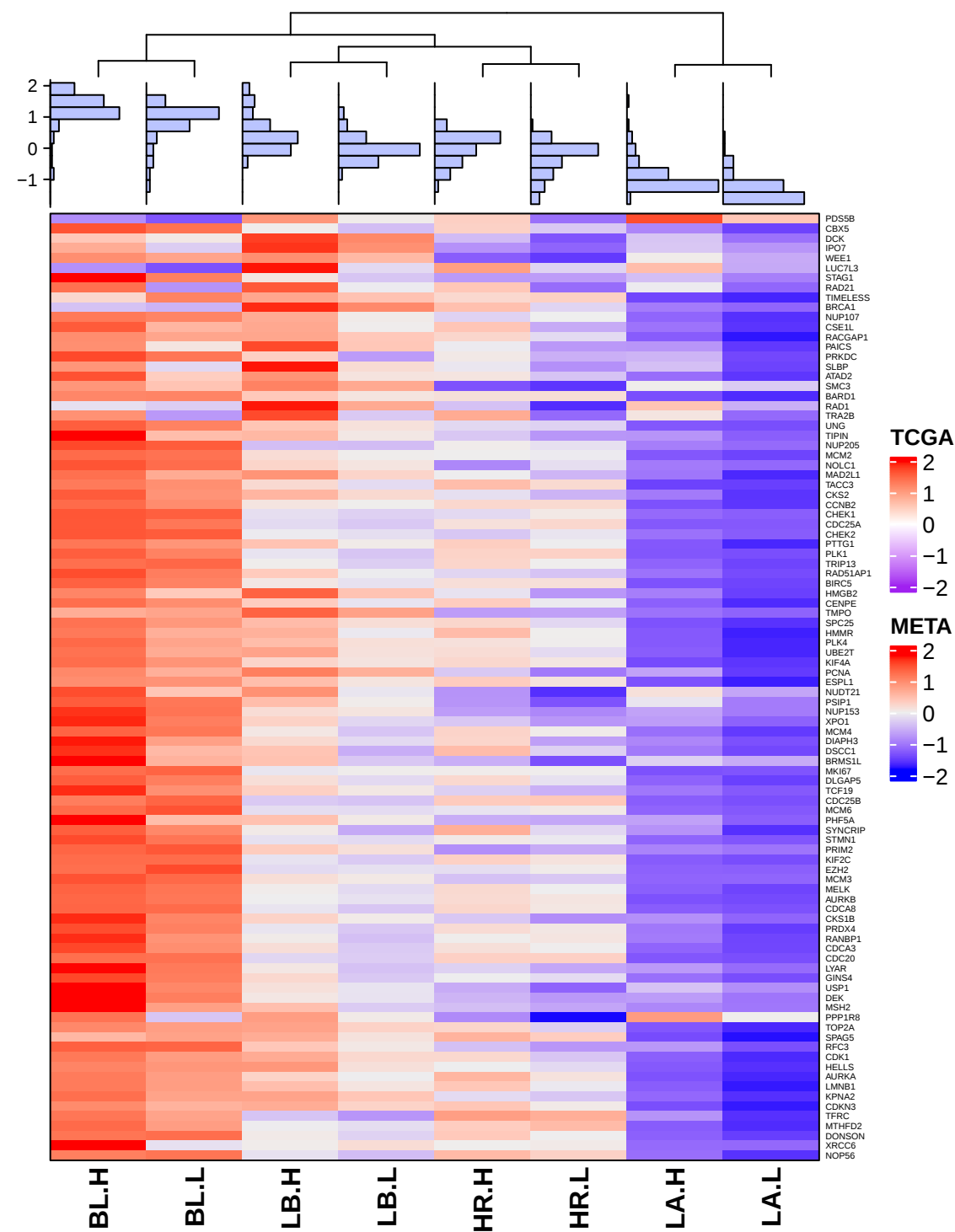
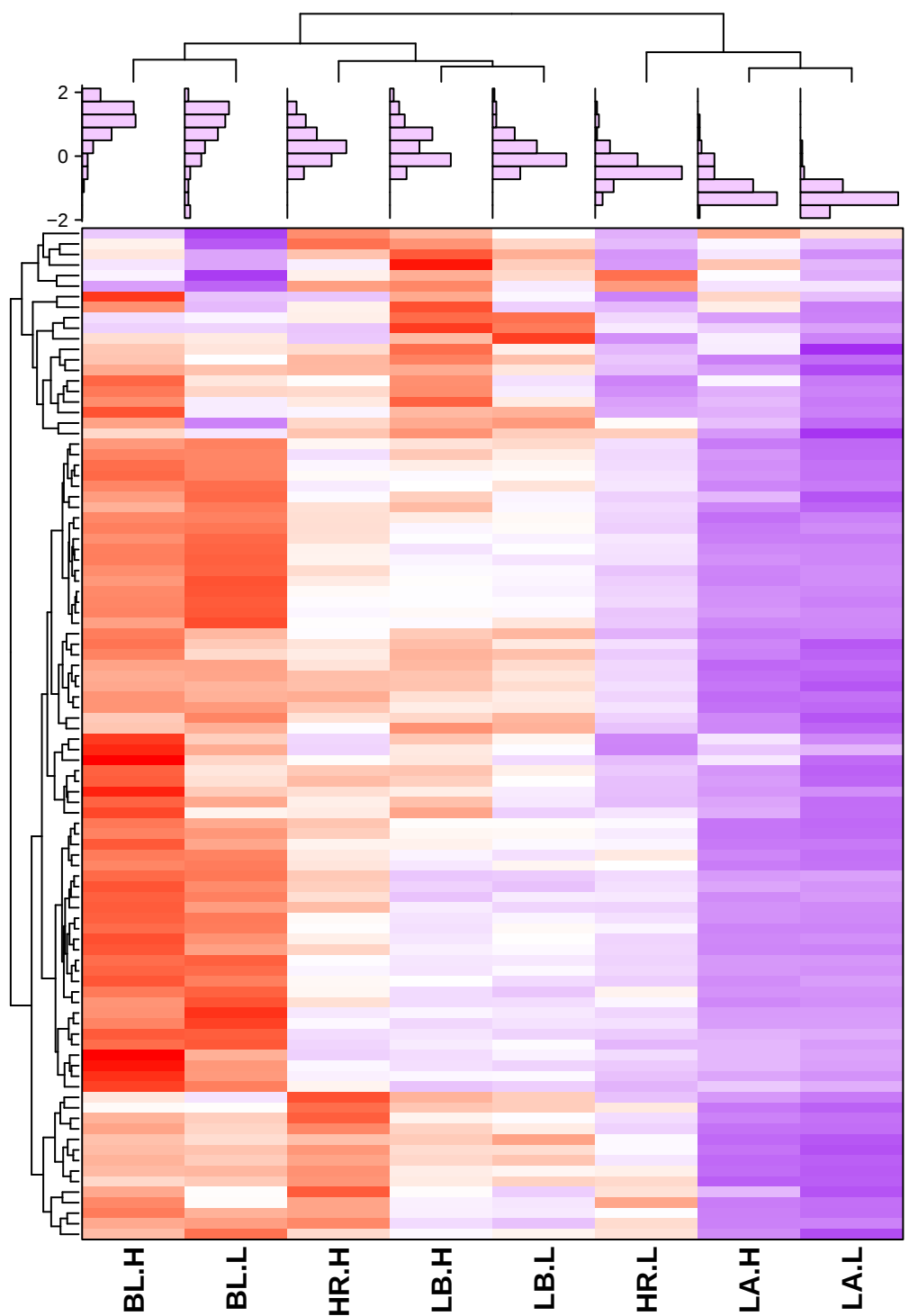


HALLMARK_E2F_TARGETS

TCGA

META

Leading Edge Genes

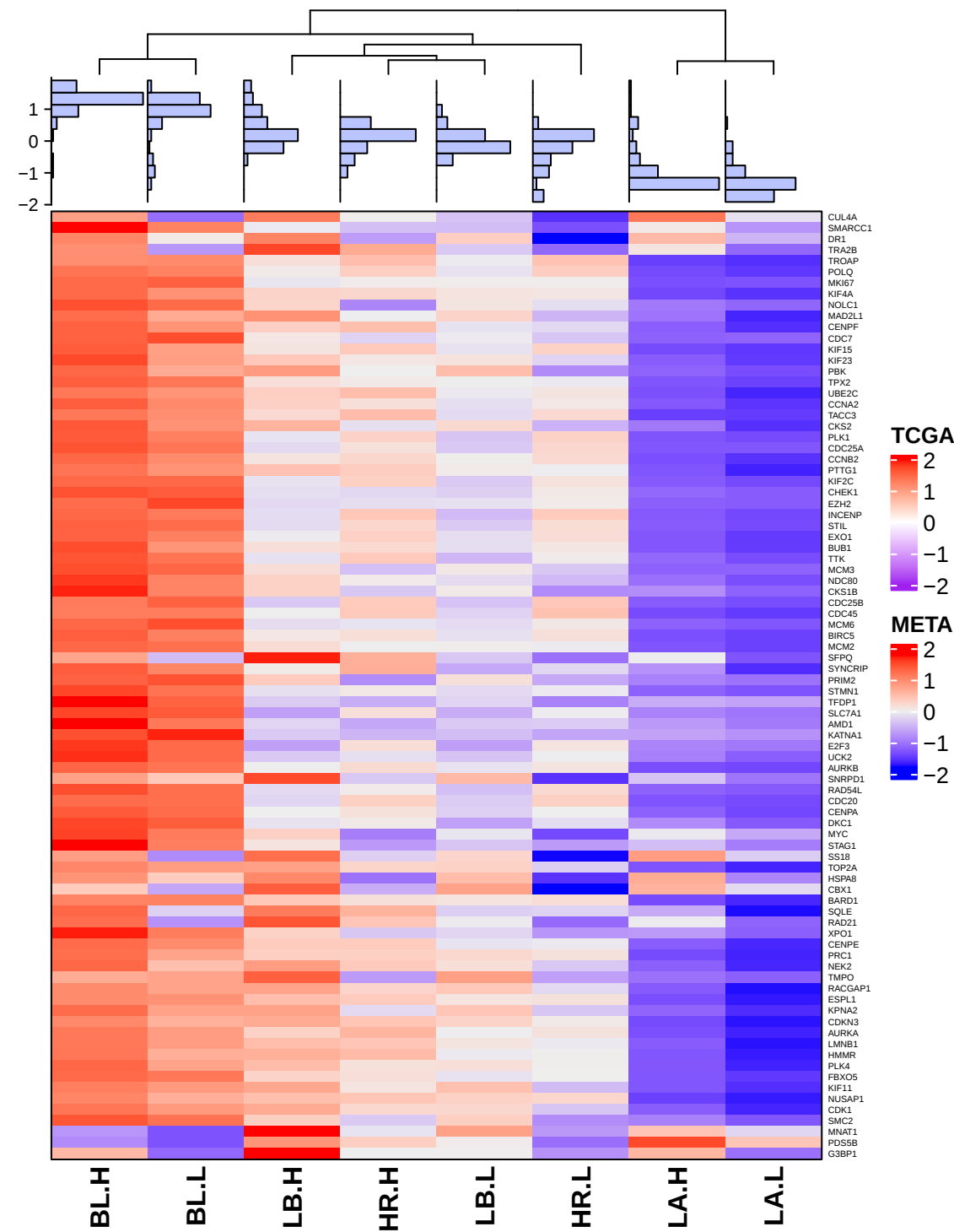
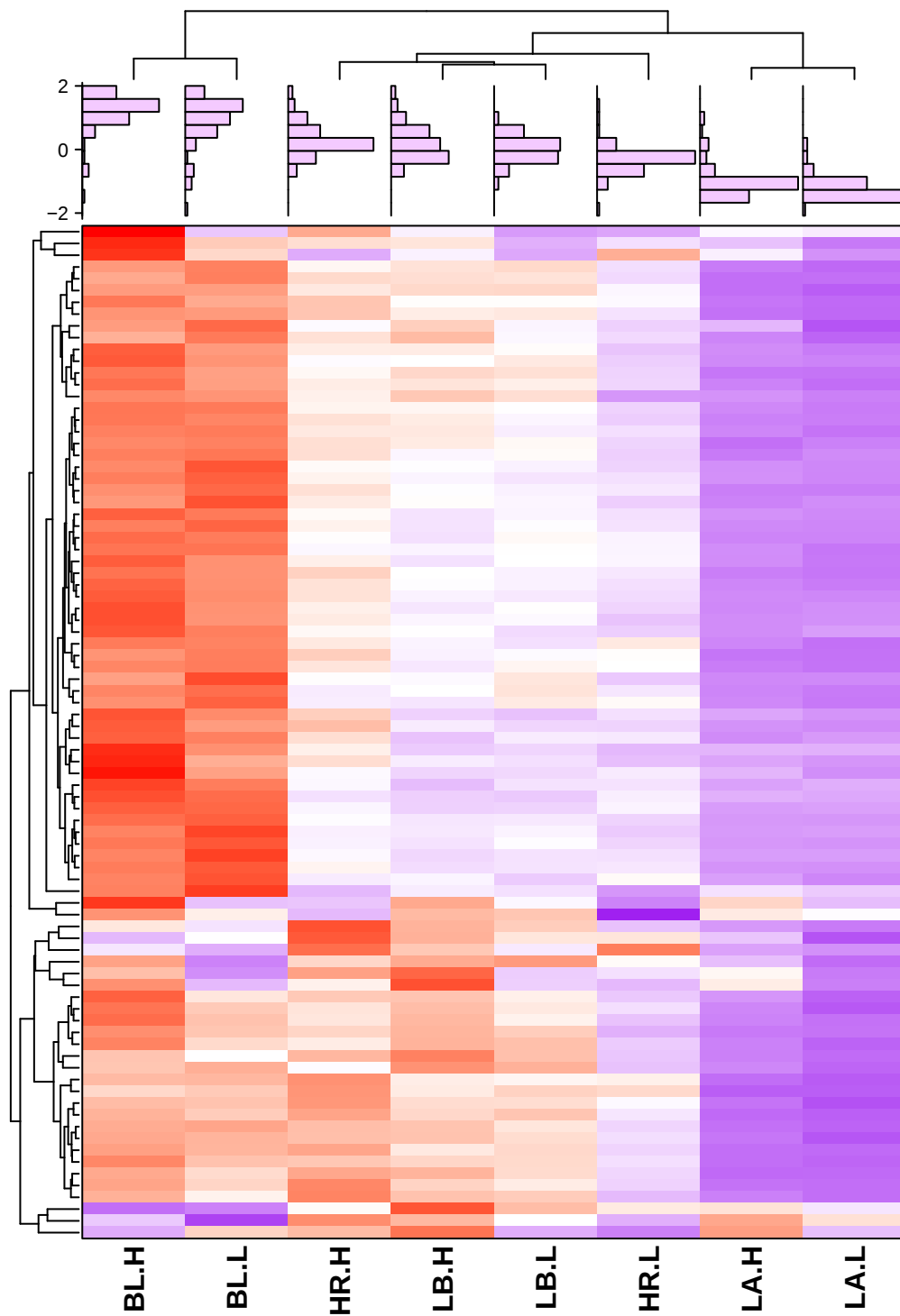


HALLMARK_G2M_CHECKPOINT

TCGA

META

Leading Edge Genes



TCGA
2
1
0
-1
-2

META
2
1
0
-1
-2

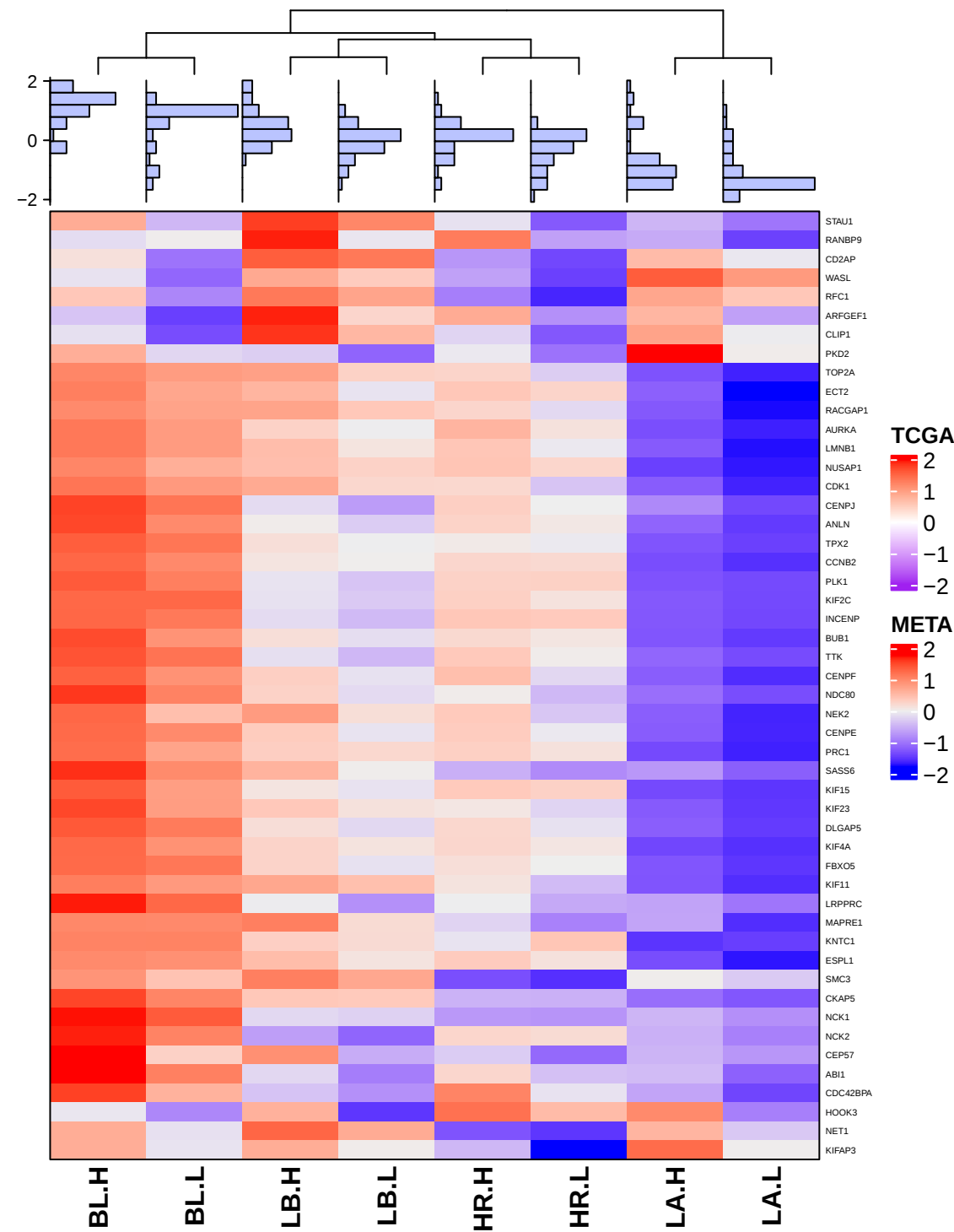
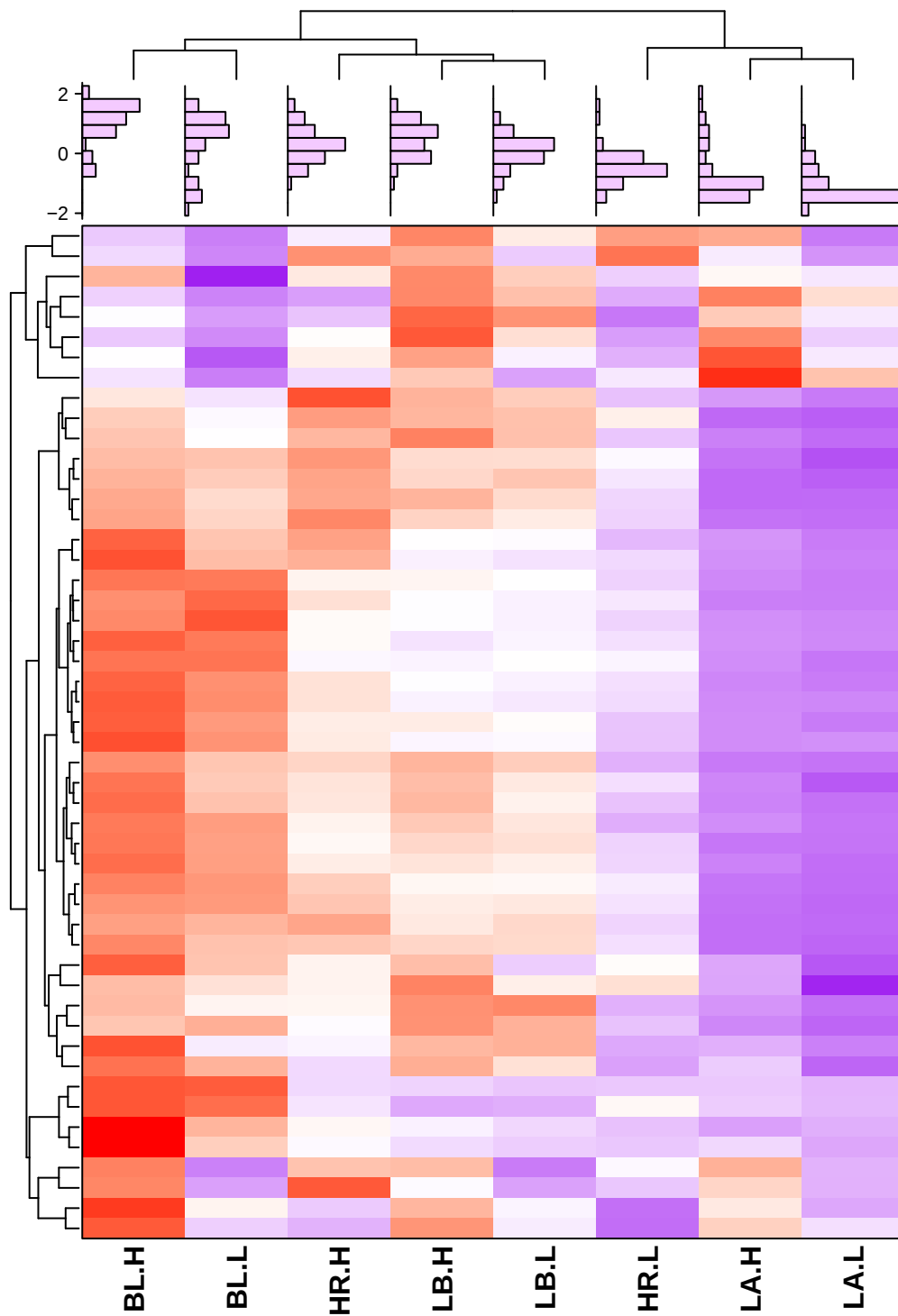
CUL4A
SMARCC1
DR1
TRA2B
TRAP
POLQ
MKI67
KIF4A
NOLC1
MAD2L1
CENPF
CDC7
KIF15
KIF23
PBK
TPX2
UBE2C
CCNA2
TACC3
CKS2
PLK1
CDC25A
CCNB2
PTTG1
KIF2C
CHEK1
E2H2
INCENP
STIL
EXO1
BUB1
TTK
MCM3
NDC80
CKS1B
CDC25B
CDC45
MCM6
BIRC5
MCM2
SFPO
SYNCRIP
PRIM2
STMN1
TFDP1
SLC7A1
AMD1
KATNA1
E2F3
UCK2
AURKB
SNRNP1
RAD54L
CDC20
CENPA
DKC1
MYC
STAG1
SS18
TOP2A
HSP98
CEX1
BARD1
SQLE
RAD21
XPO1
CENPE
PRC1
NEK2
TMPO
RACGAP1
ESPL1
KPN2
CDKN3
AURKA
LMNB1
HMMR
PLK4
FEXO5
KIF11
NUSAP1
CDK1
SMC2
MNAT1
PDS5B
G3BP1

HALLMARK_MITOTIC_SPINDLE

TCGA

META

Leading Edge Genes



TCGA

META



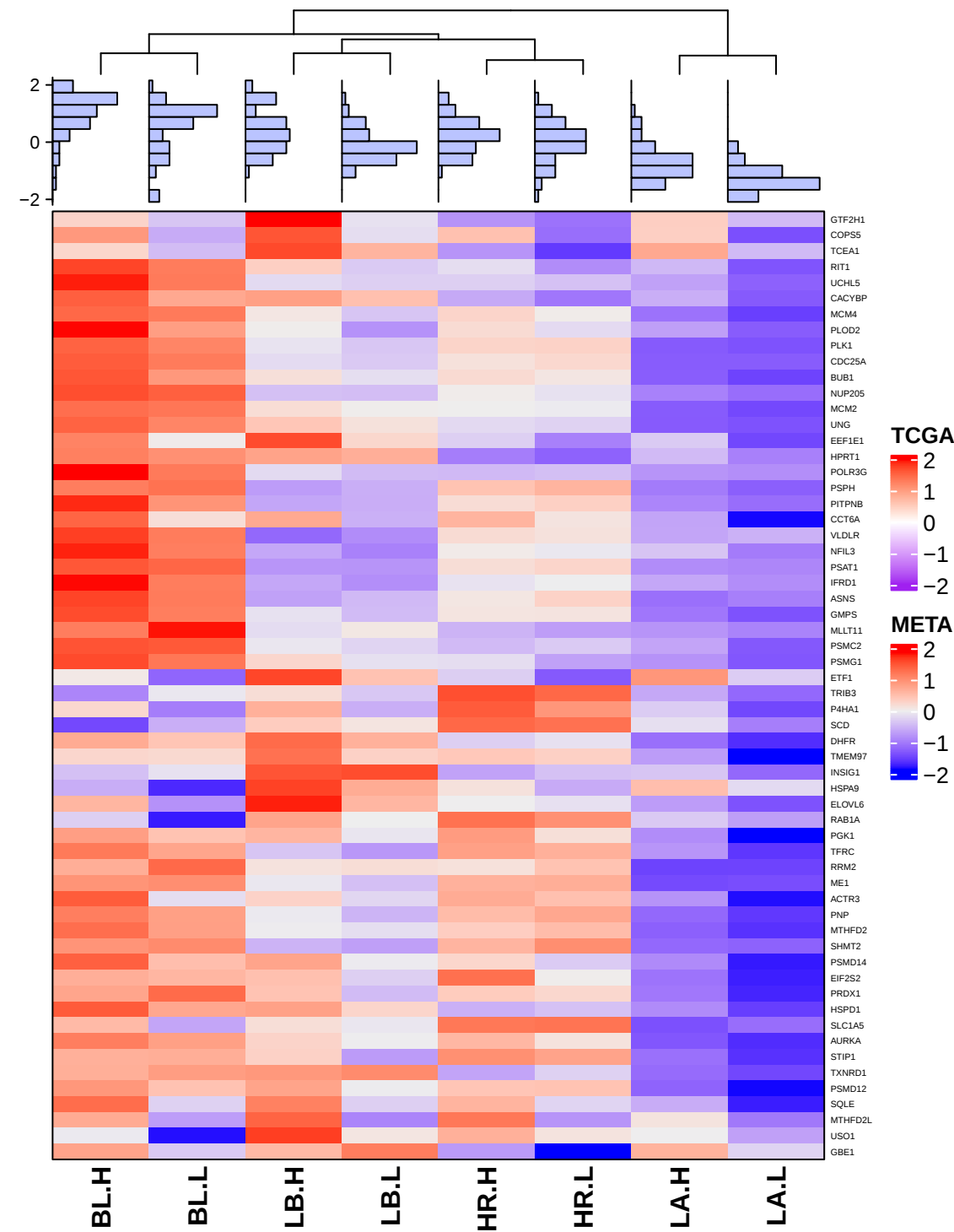
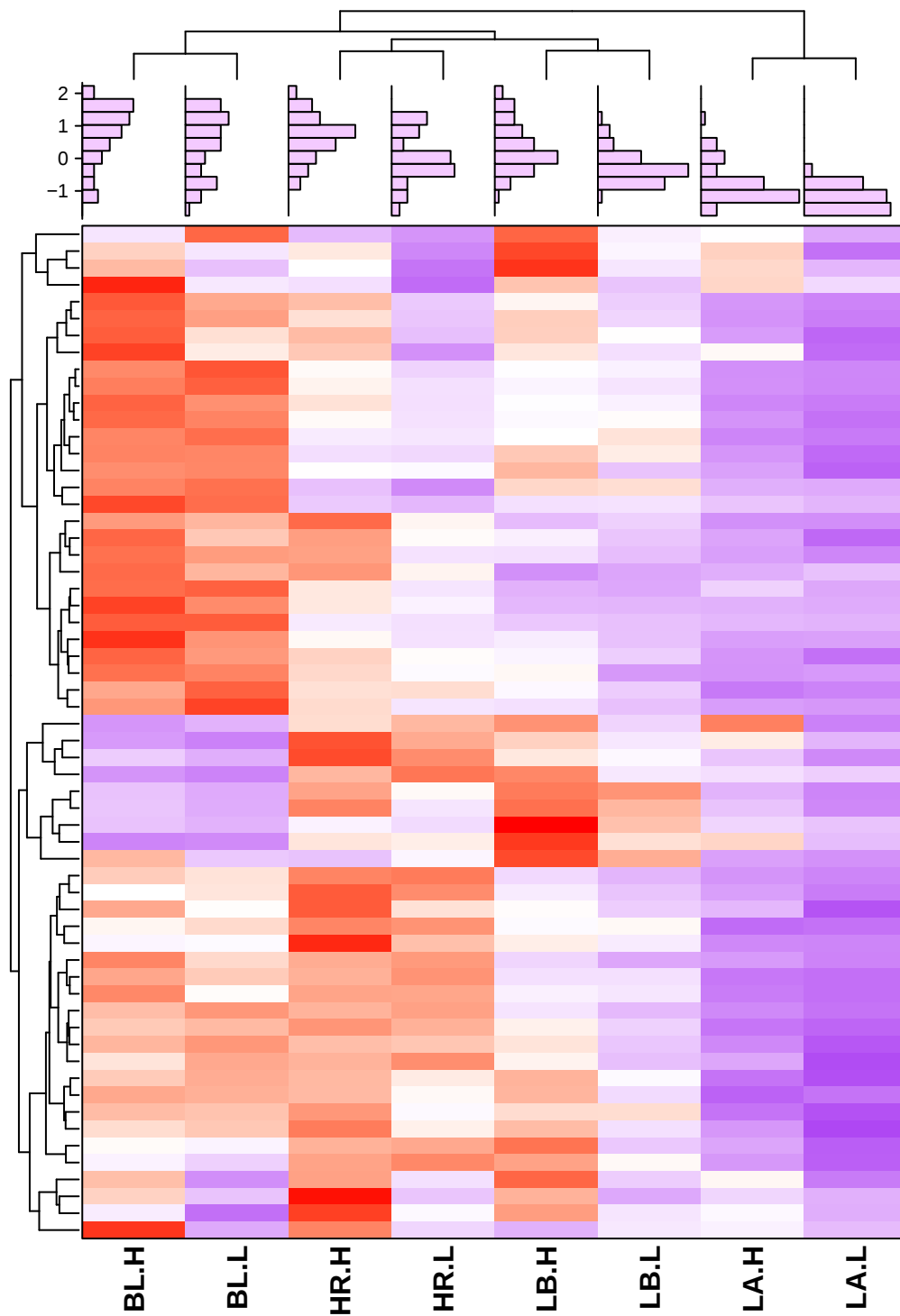
STAU1
RANBP9
CD2AP
WASL
RFC1
ARFGEF1
CLIP1
PKD2
TOP2A
ECT2
RACGAP1
AURKA
LMNB1
NUSAP1
CDK1
CENPJ
ANLN
TPX2
CCNB2
PLK1
KIF2C
INCENP
BUB1
TTK
CENPF
NDC80
NEK2
CENPE
PRC1
SASS6
KIF15
KIF23
DLGAP5
KIF4A
FBXO5
KIF11
LRPPRC
MAPRE1
KNTC1
ESPL1
SMC3
CKAP5
NCK1
NCK2
CEP57
AB1
CDC42BPA
HOOK3
NET1
KIFAP3

HALLMARK_MTORC1_SIGNALING

TCGA

META

Leading Edge Genes

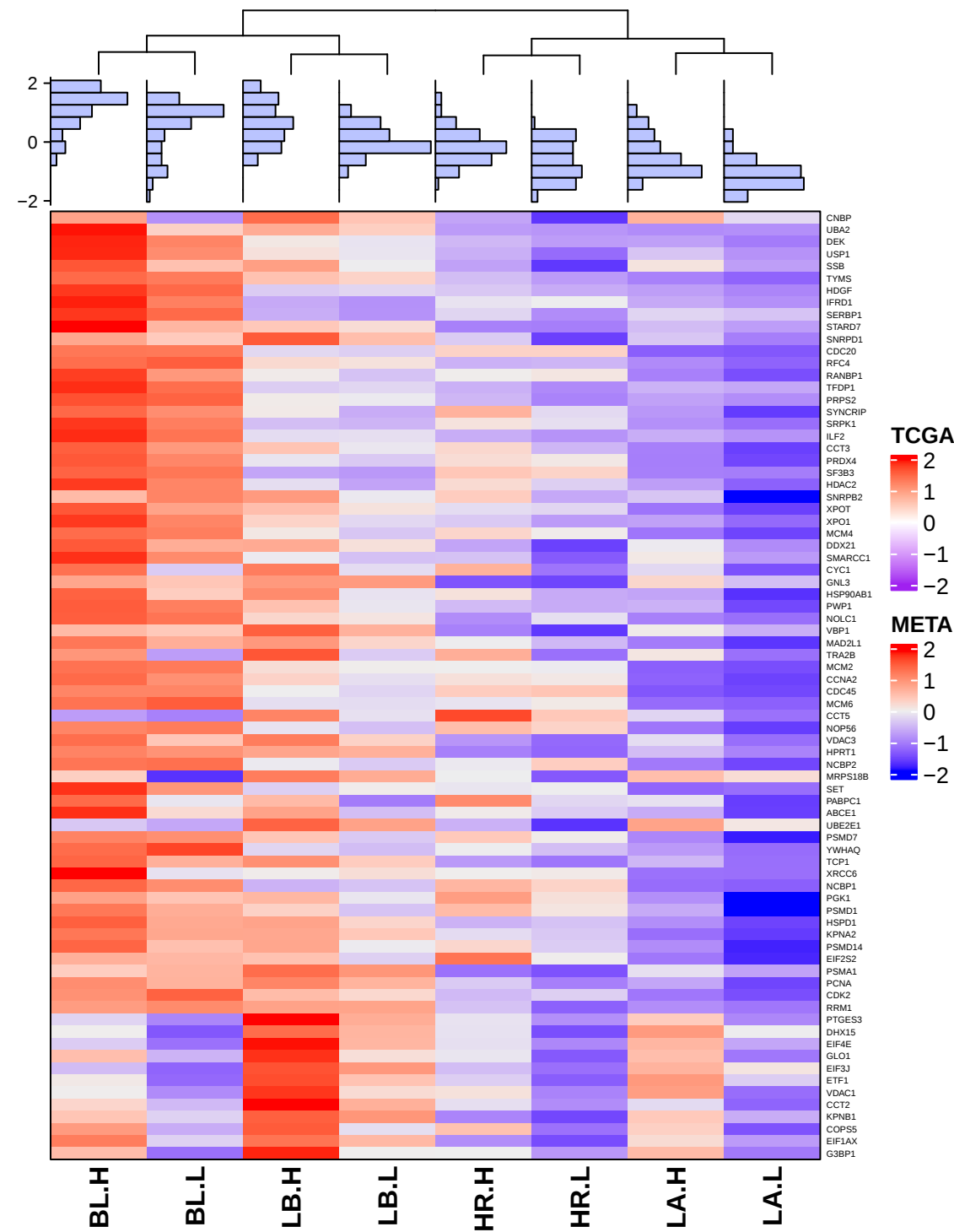
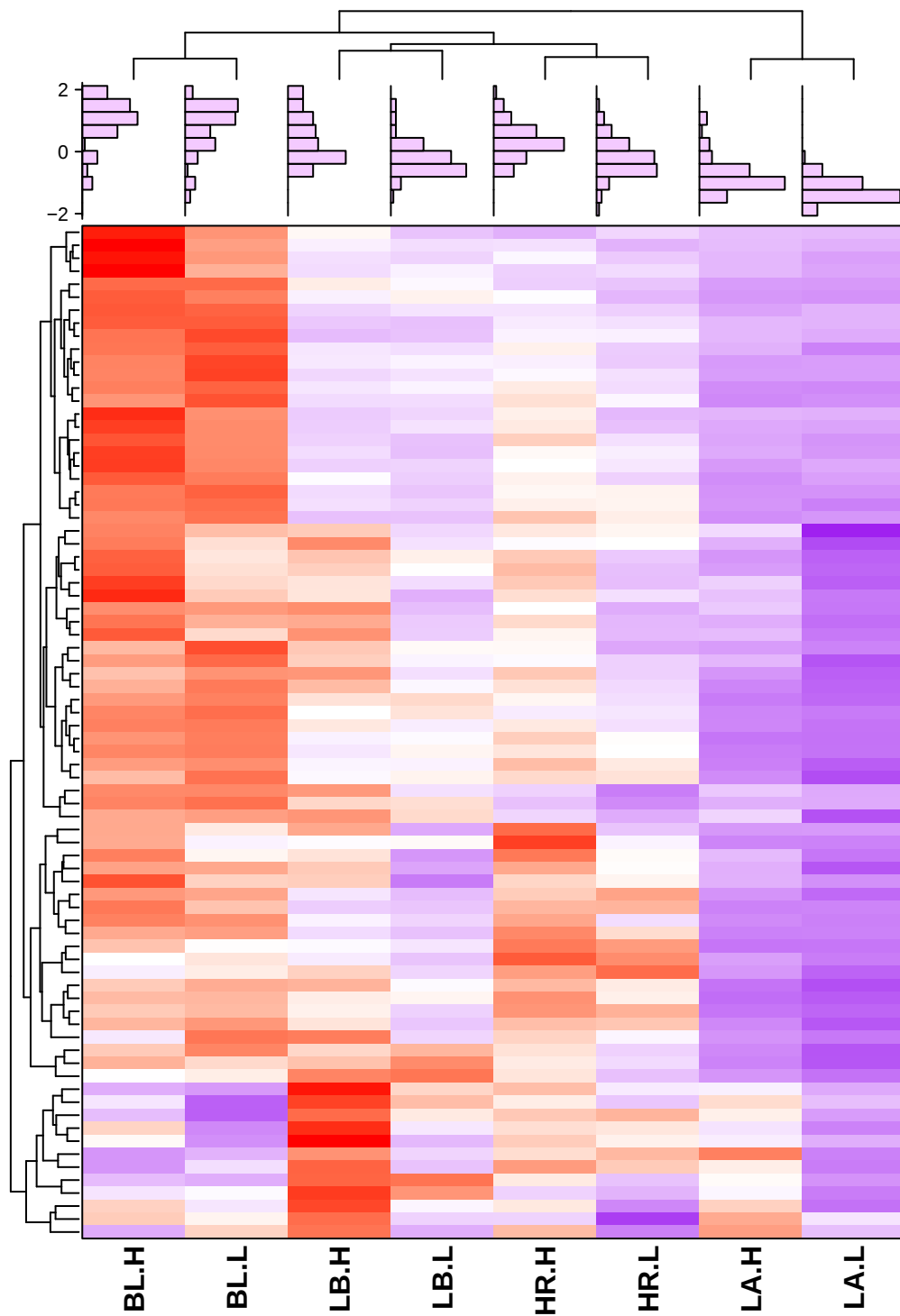


HALLMARK_MYC_TARGETS_V1

TCGA

META

Leading Edge Genes

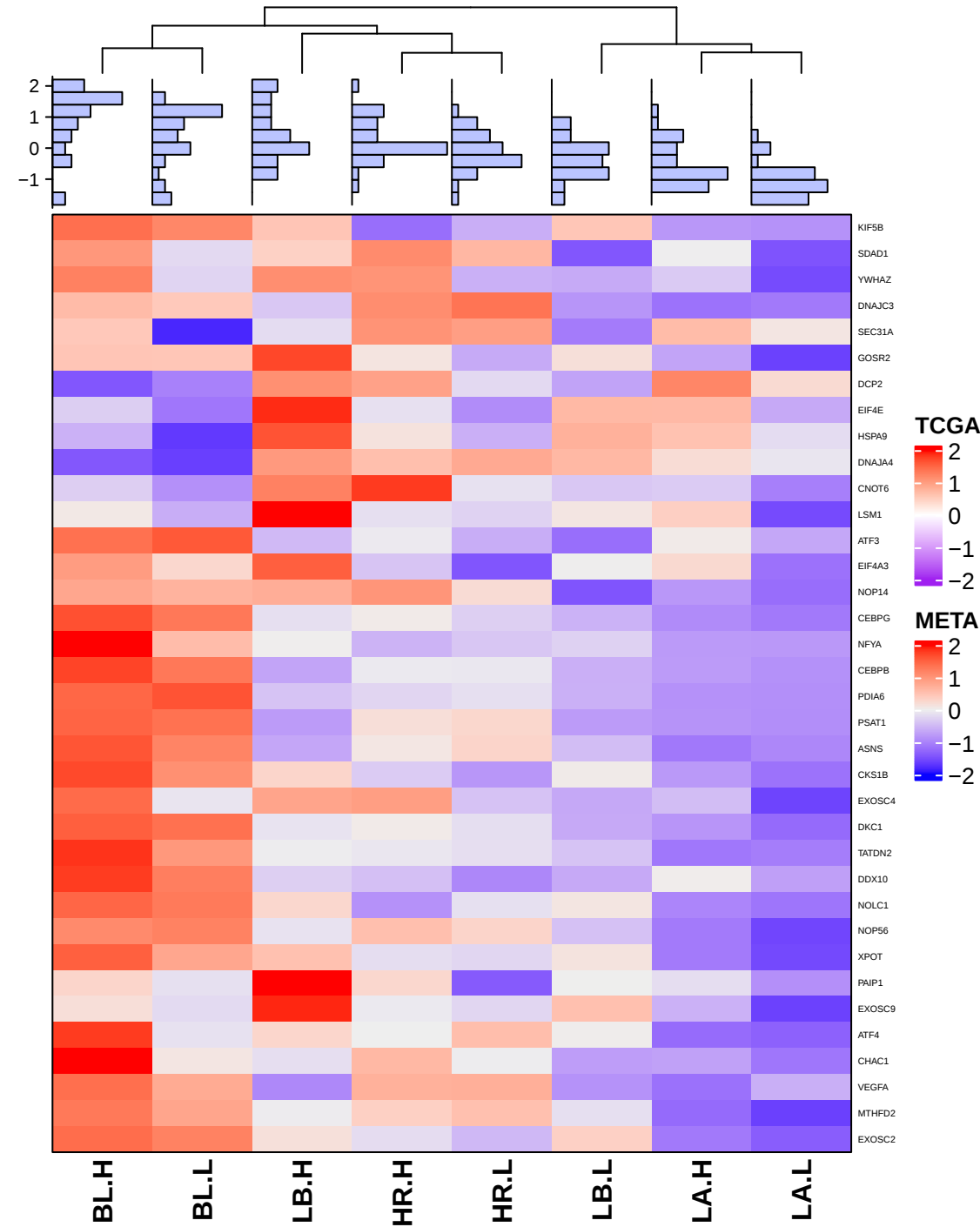
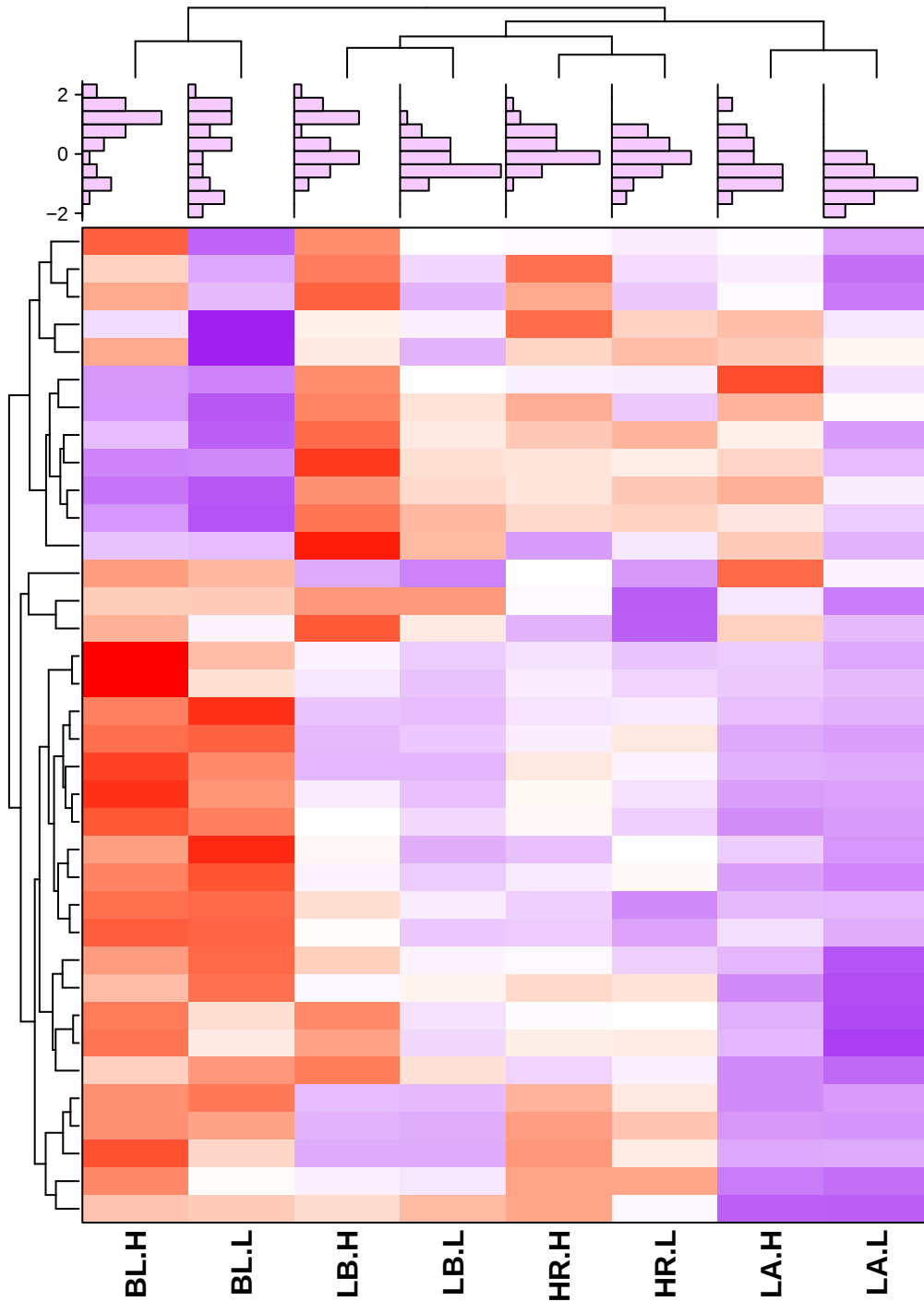


HALLMARK_UNFOLDED_PROTEIN_RESPONSE

TCGA

META

Leading Edge Genes

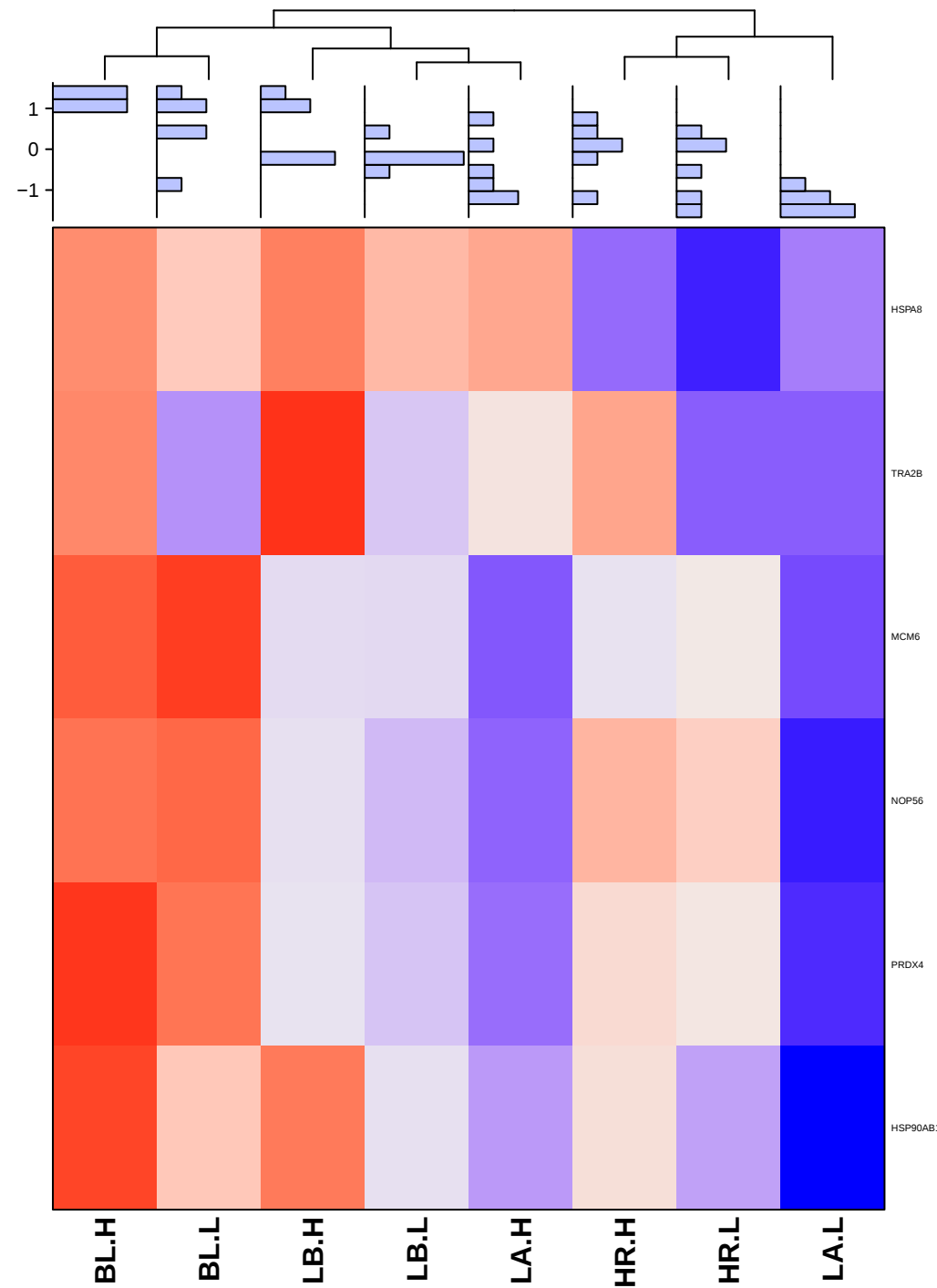
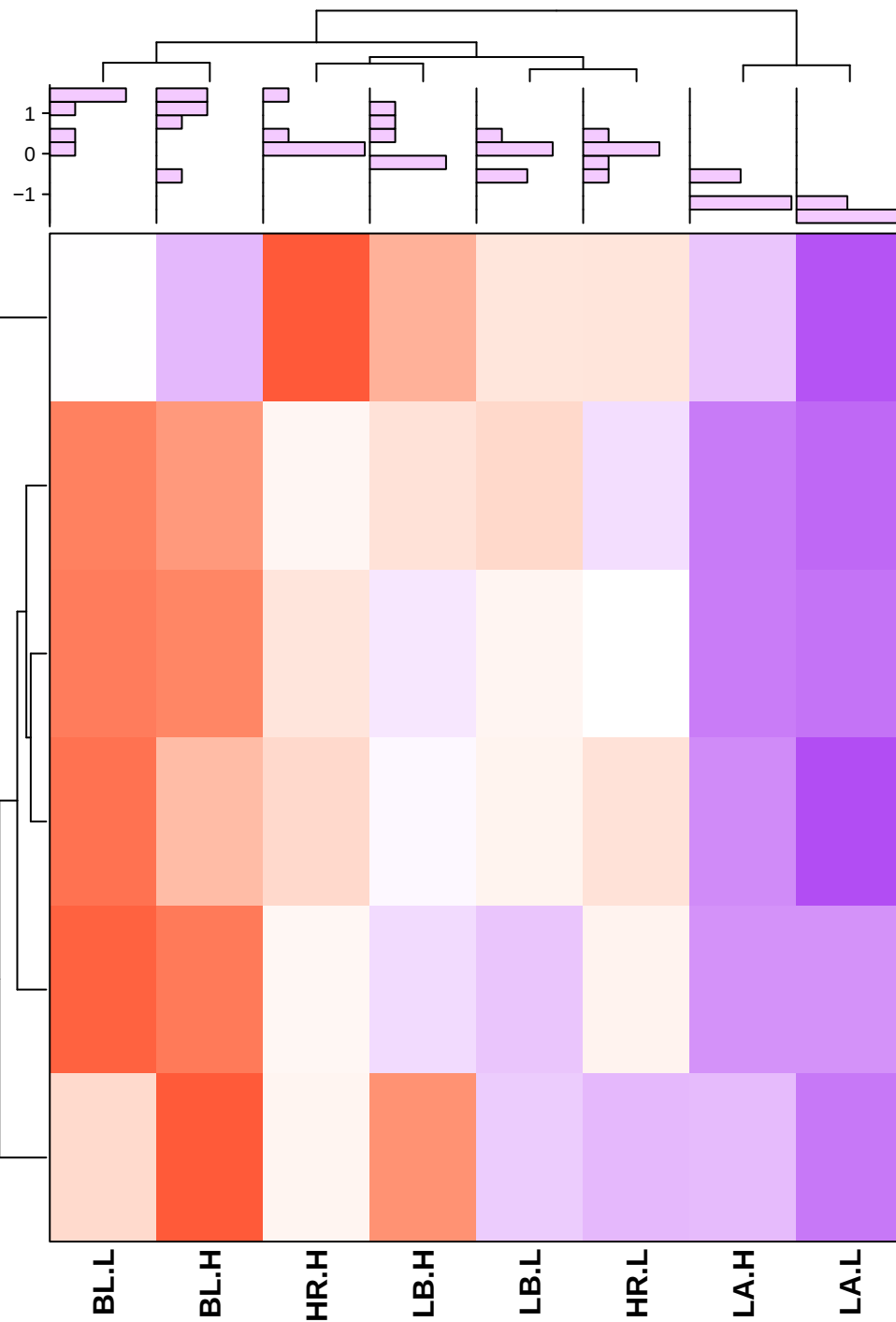


Top5GenesMeanExp_Rank_G
E30_NES40_RES20_PWS10

TCGA

META

Leading Edge Genes



TCGA
2
1
0
-1
-2
META
2
1
0
-1
-2

HSPA8
TRA2B
MCM6
NOP56
PRDX4
HSP90AB1