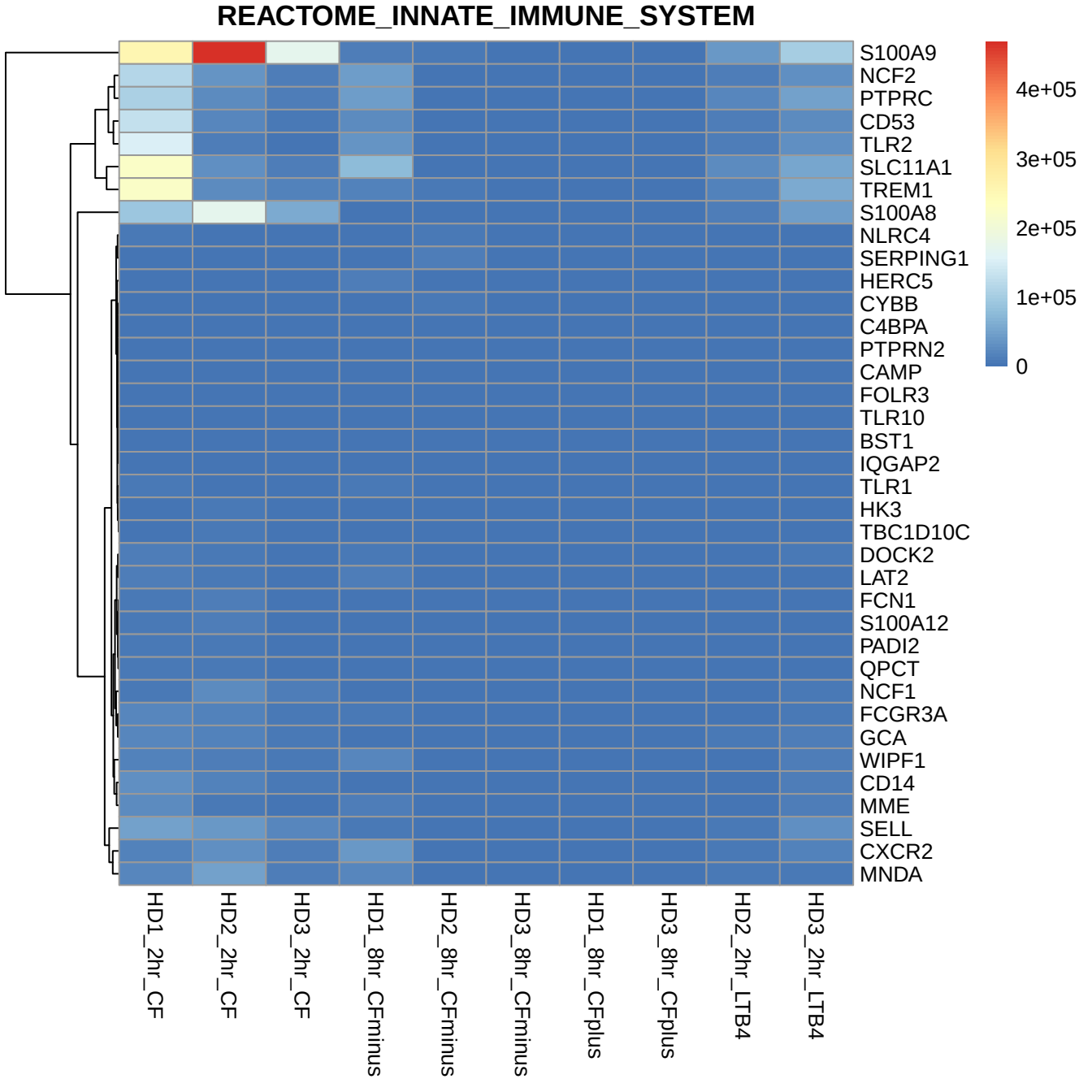
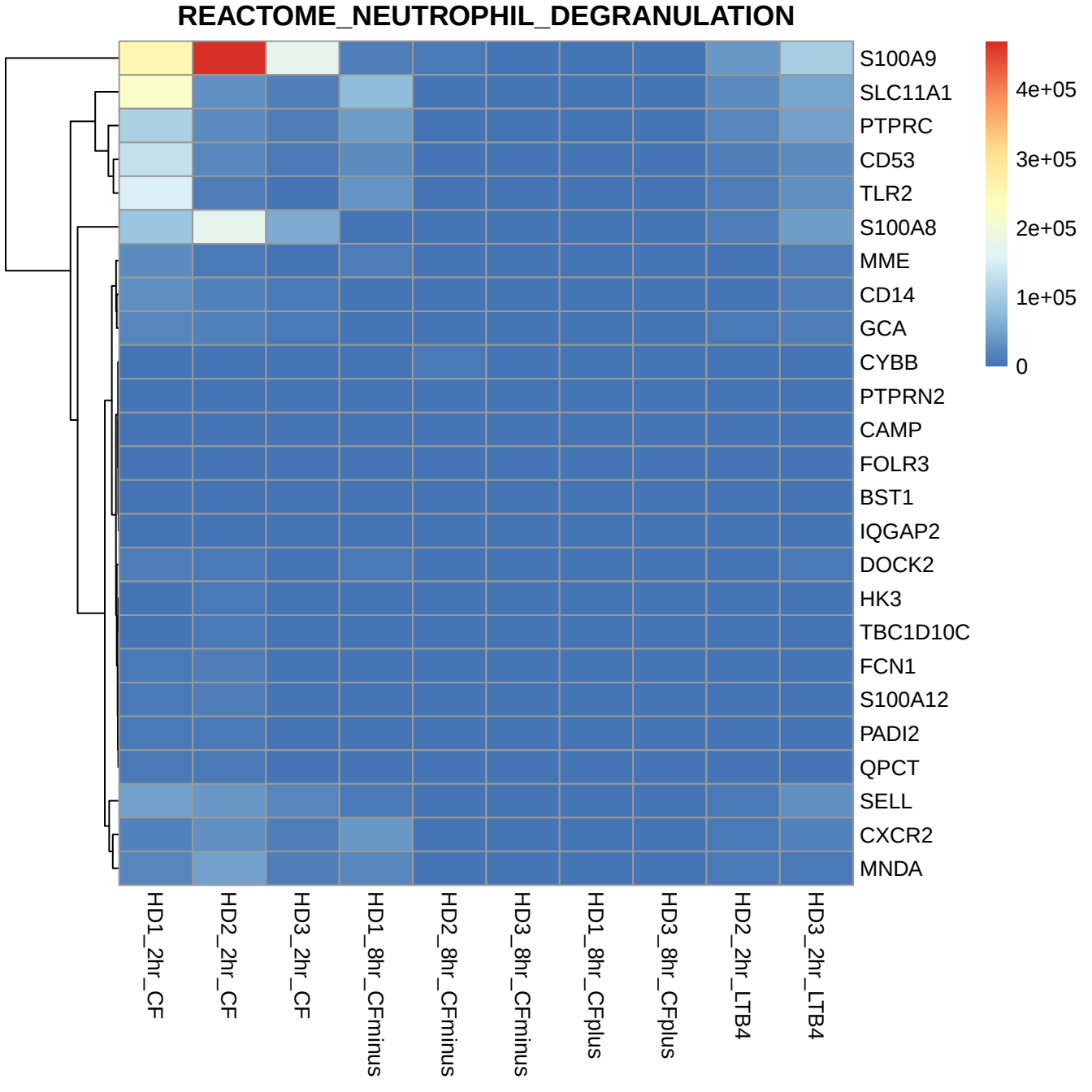
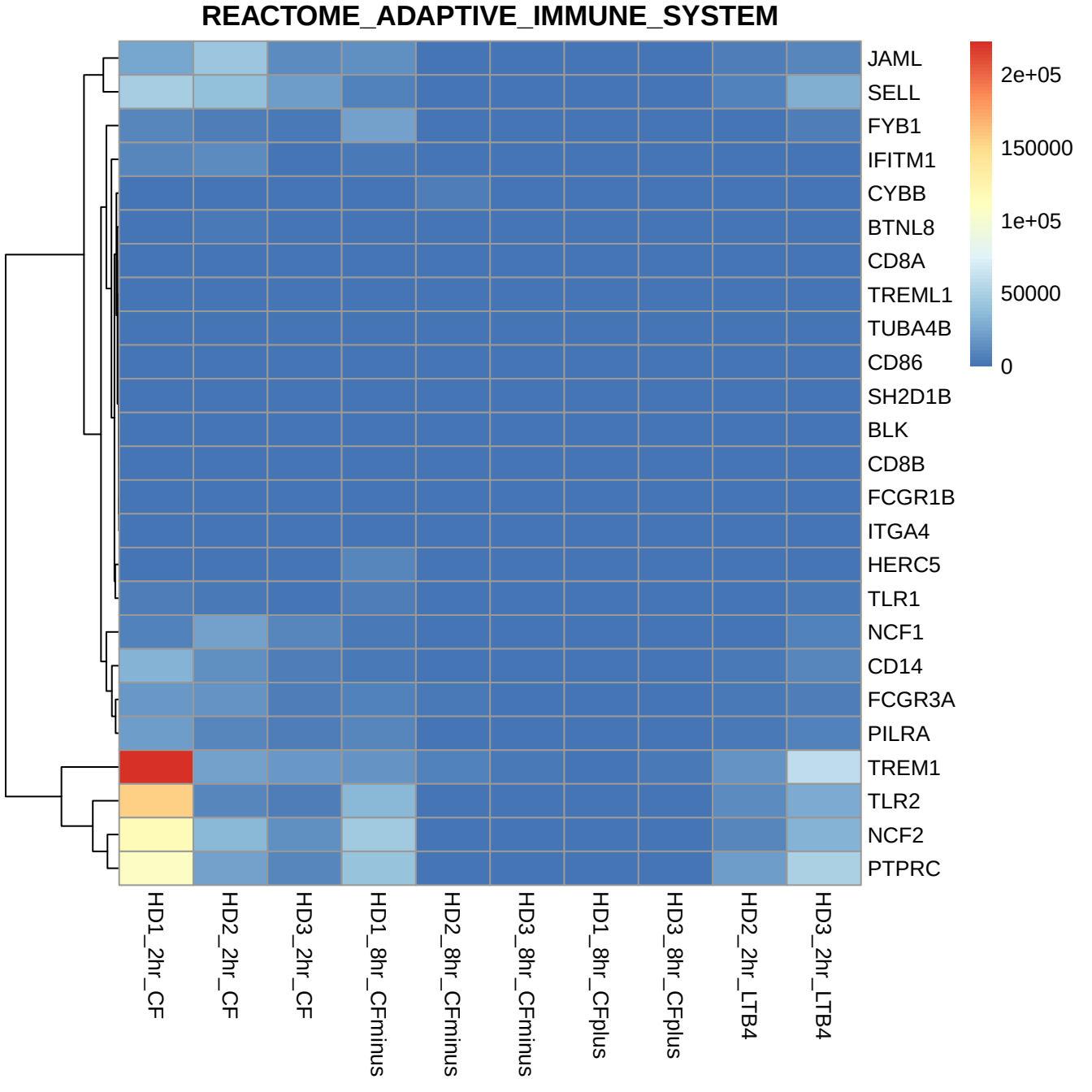
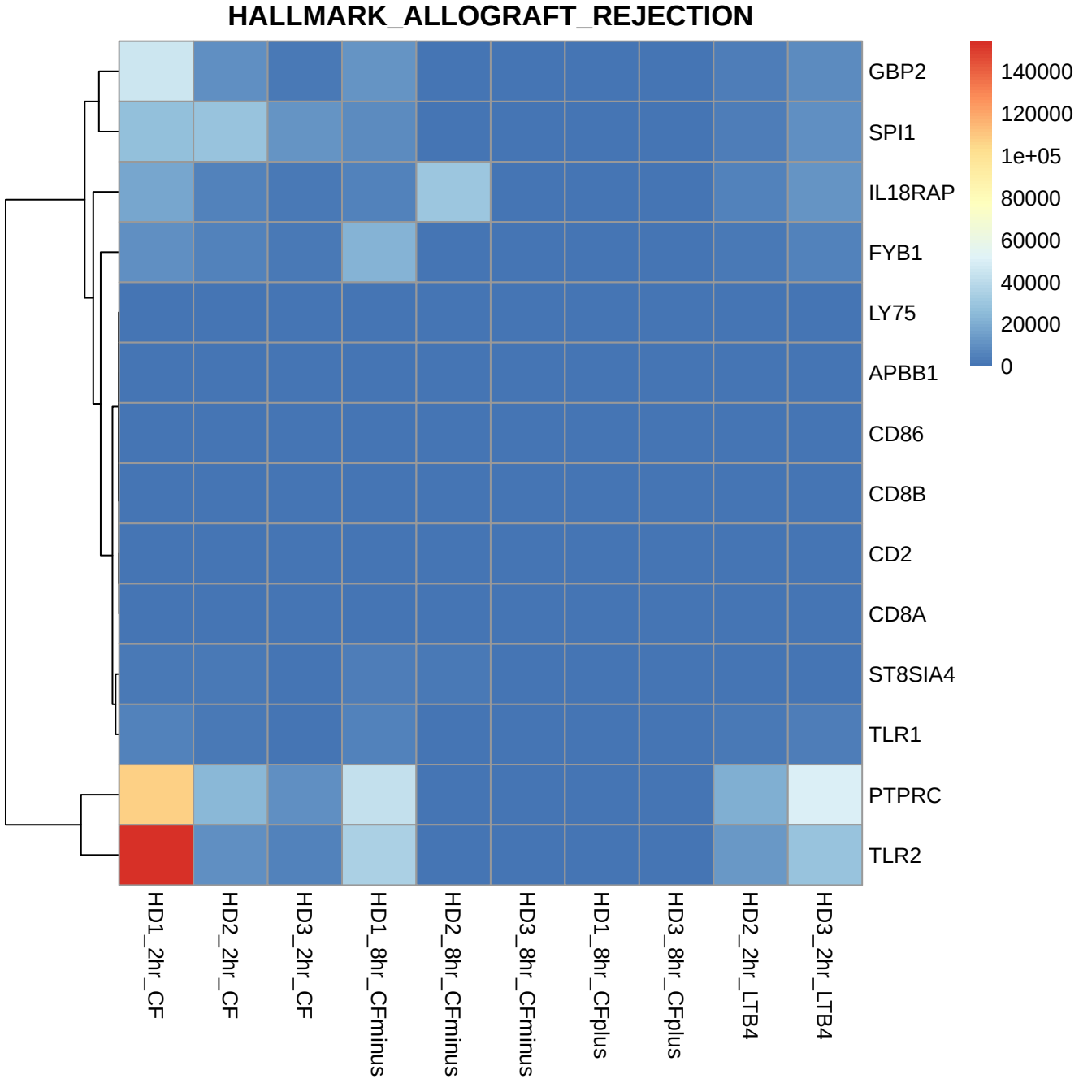
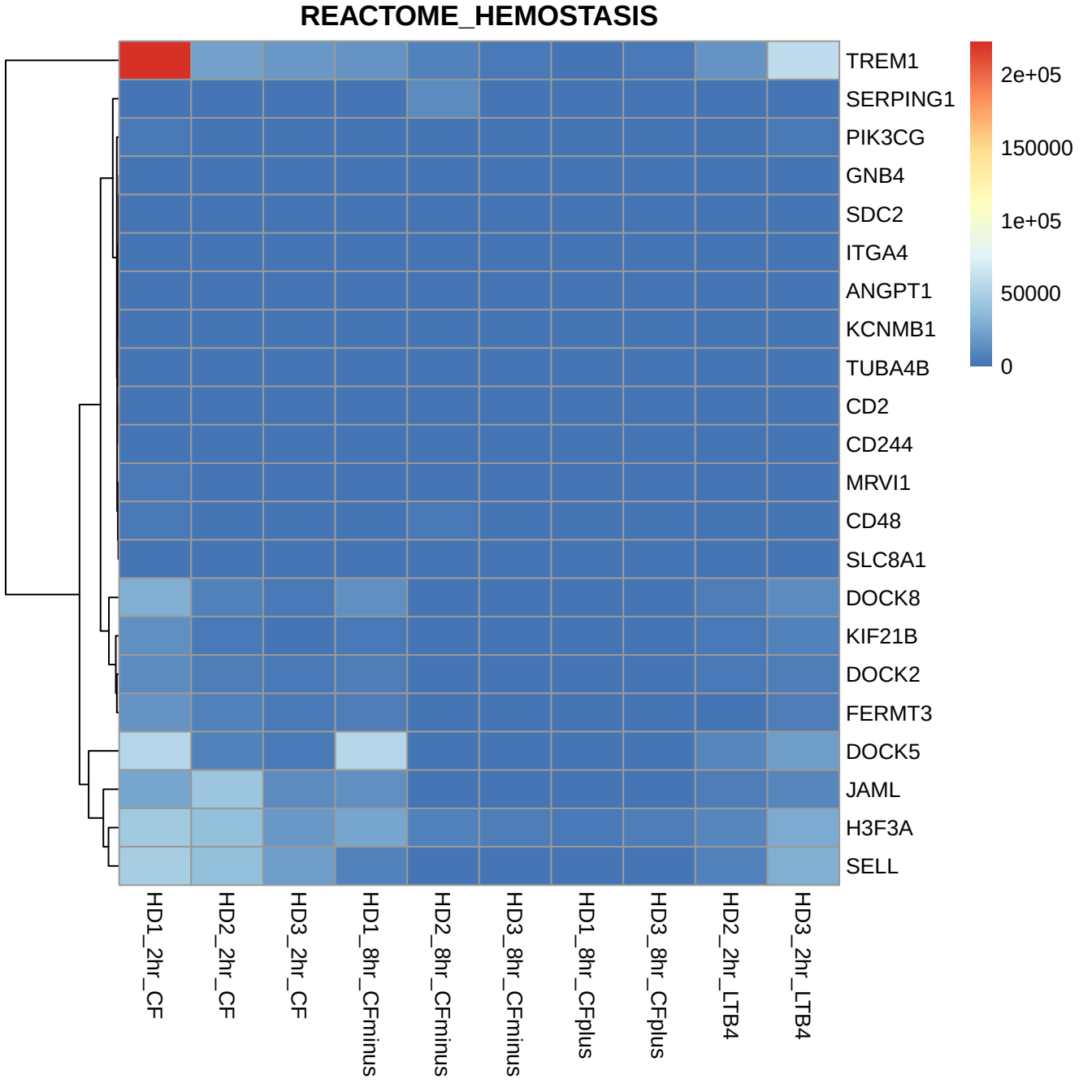

REACTOME_INNATE_IMMUNE_SYSTEM
S100A9
NCF2
PTPRC
CD53
TLR2
SLC11A1
TREM1
S100A8
NLRC4
SERPING1
HERC5
CYBB
C4BPA
PTPRN2
CAMP
FOLR3
TLR10
BST1
IQGAP2
TLR1
HK3
TBC1D10C
DOCK2
LAT2
FCN1
S100A12
PADI2
QPCT
NCF1
FCGR3A
GCA
WIPF1
CD14
MME
SELL
CXCR2
MNDA
4e+05
3e+05
2e+05
1e+05
0
HD1_2hr_CF
HD2_2hr_CF
HD3_2hr_CF
HD1_8hr_CFminus
HD2_8hr_CFminus
HD3_8hr_CFminus
HD1_8hr_CFplus
HD3_8hr_CFplus
HD2_2hr_LTB4
HD3_2hr_LTB4


REACTOME_NEUTROPHIL_DEGRANULATION
S100A9
SLC11A1
PTPRC
CD53
TLR2
S100A8
MME
CD14
GCA
CYBB
PTPRN2
CAMP
FOLR3
BST1
IQGAP2
DOCK2
HK3
TBC1D10C
FCN1
S100A12
PADI2
QPCT
SELL
CXCR2
MNDA
4e+05
3e+05
2e+05
1e+05
0
HD1_2hr_CF
HD2_2hr_CF
HD3_2hr_CF
HD1_8hr_CFminus
HD2_8hr_CFminus
HD3_8hr_CFminus
HD1_8hr_CFplus
HD3_8hr_CFplus
HD2_2hr_LTB4
HD3_2hr_LTB4


REACTOME_ADAPTIVE_IMMUNE_SYSTEM
JAML
SELL
FYB1
IFITM1
CYBB
BTNL8
CD8A
TREML1
TUBA4B
CD86
SH2D1B
BLK
CD8B
FCGR1B
ITGA4
HERC5
TLR1
NCF1
CD14
FCGR3A
PILRA
TREM1
TLR2
NCF2
PTPRC
2e+05
150000
1e+05
50000
0
HD1_2hr_CF
HD2_2hr_CF
HD3_2hr_CF
HD1_8hr_CFminus
HD2_8hr_CFminus
HD3_8hr_CFminus
HD1_8hr_CFplus
HD3_8hr_CFplus
HD2_2hr_LTB4
HD3_2hr_LTB4


HALLMARK_ALLOGRAFT_REJECTION
GBP2
SPI1
IL18RAP
FYB1
LY75
APBB1
CD86
CD8B
CD2
CD8A
ST8SIA4
TLR1
PTPRC
TLR2
140000
120000
1e+05
80000
60000
40000
20000
0
HD1_2hr_CF
HD2_2hr_CF
HD3_2hr_CF
HD1_8hr_CFminus
HD2_8hr_CFminus
HD3_8hr_CFminus
HD1_8hr_CFplus
HD3_8hr_CFplus
HD2_2hr_LTB4
HD3_2hr_LTB4


REACTOME_HEMOSTASIS
TREM1
SERPING1
PIK3CG
GNB4
SDC2
ITGA4
ANGPT1
KCNMB1
TUBA4B
CD2
CD244
MRVI1
CD48
SLC8A1
DOCK8
KIF21B
DOCK2
FERMT3
DOCK5
JAML
H3F3A
SELL
2e+05
150000
1e+05
50000
0
HD1_2hr_CF
HD2_2hr_CF
HD3_2hr_CF
HD1_8hr_CFminus
HD2_8hr_CFminus
HD3_8hr_CFminus
HD1_8hr_CFplus
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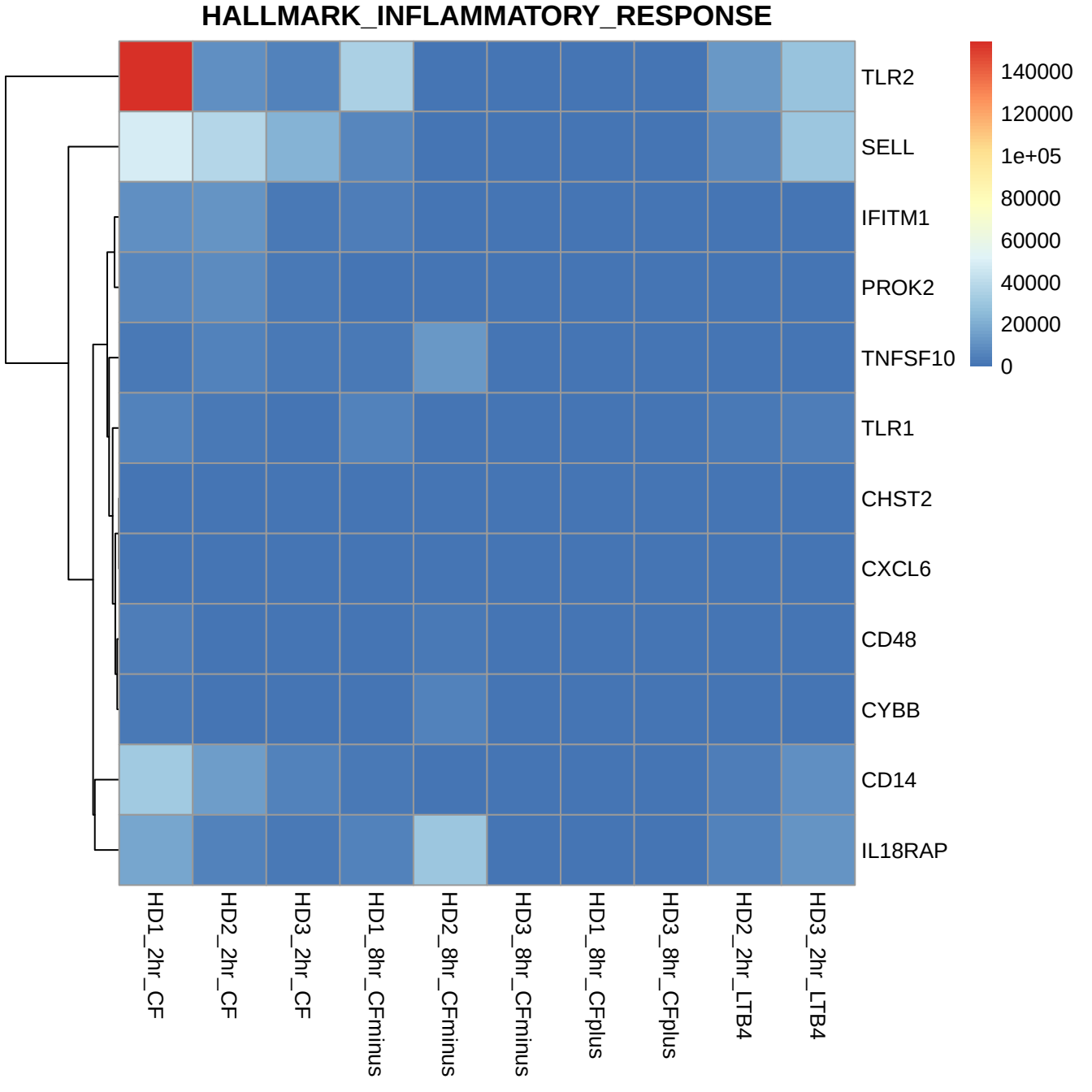
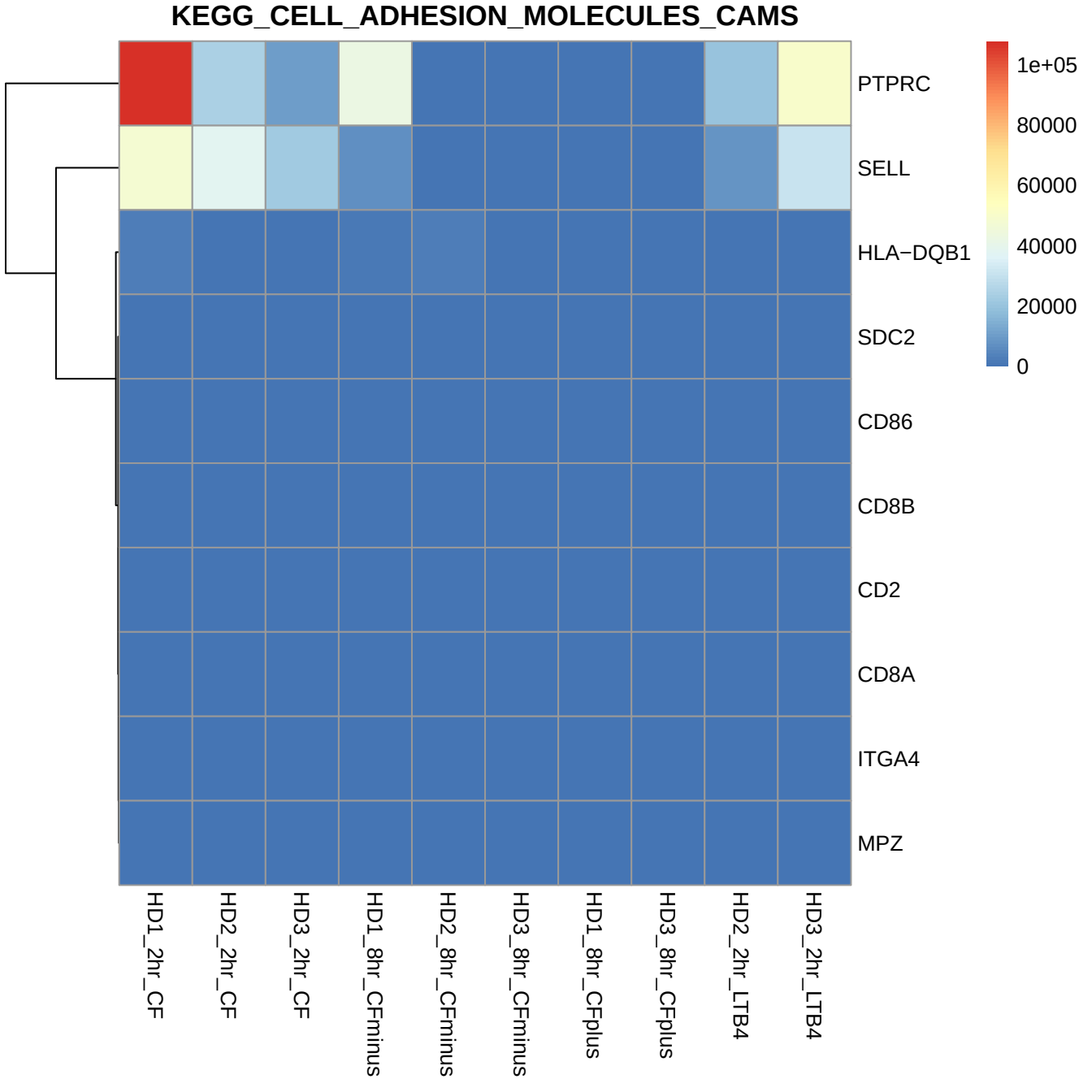
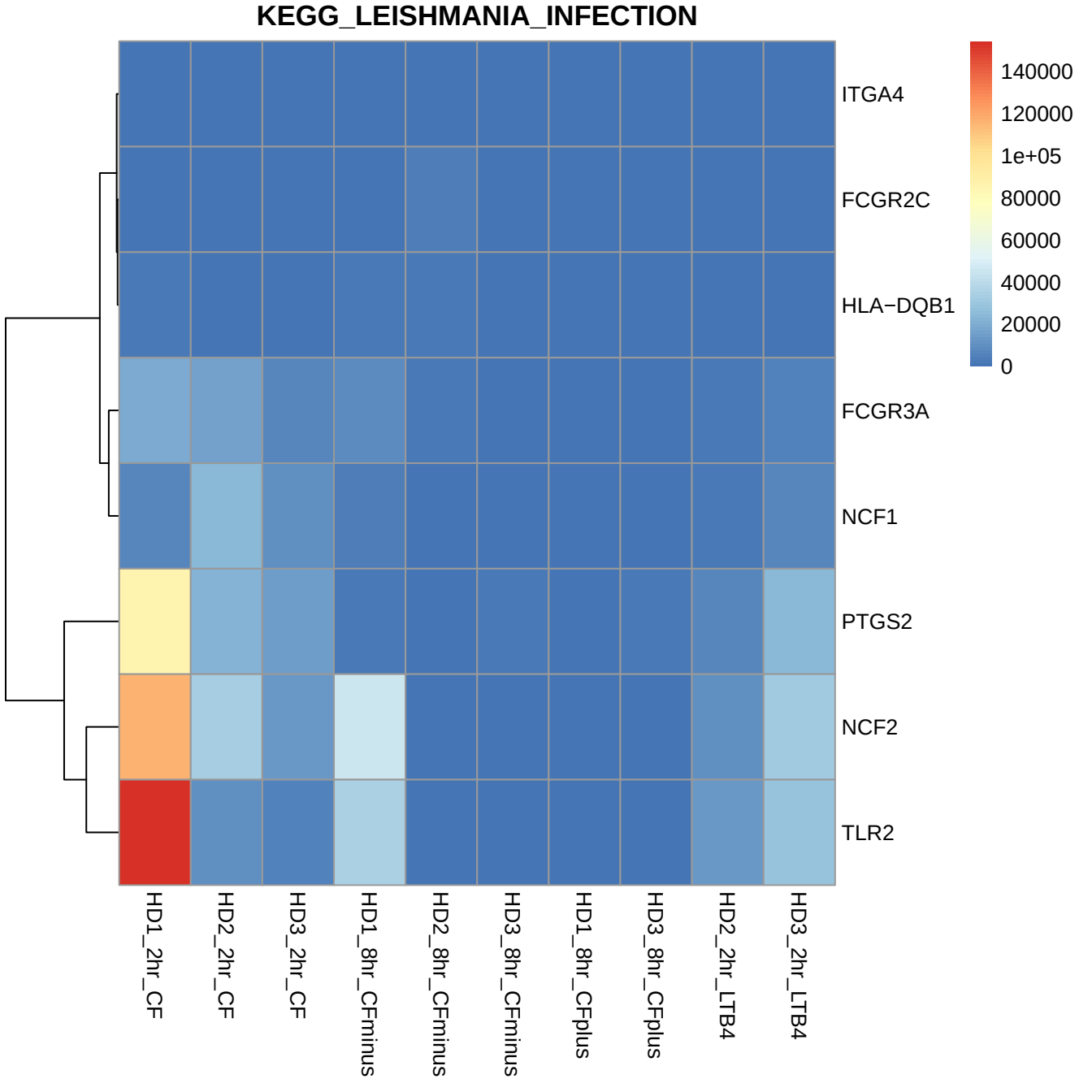
HD3_2hr_LTB4


HALLMARK_INFLAMMATORY_RESPONSE
TLR2
SELL
IFITM1
PROK2
TNFSF10
TLR1
CHST2
CXCL6
CD48
CYBB
CD14
IL18RAP
140000
120000
1e+05
80000
60000
40000
20000
0
HD1_2hr_CF
HD2_2hr_CF
HD3_2hr_CF
HD1_8hr_CFminus
HD2_8hr_CFminus
HD3_8hr_CFminus
HD1_8hr_CFplus
HD3_8hr_CFplus
HD2_2hr_LTB4
HD3_2hr_LTB4


KEGG_CELL_ADHESION_MOLECULES_CAMS
PTPRC
SELL
HLA−DQB1
SDC2
CD86
CD8B
CD2
CD8A
ITGA4
MPZ
1e+05
80000
60000
40000
20000
0
HD1_2hr_CF
HD2_2hr_CF
HD3_2hr_CF
HD1_8hr_CFminus
HD2_8hr_CFminus
HD3_8hr_CFminus
HD1_8hr_CFplus
HD3_8hr_CFplus
HD2_2hr_LTB4
HD3_2hr_LTB4


KEGG_LEISHMANIA_INFECTION
ITGA4
FCGR2C
HLA−DQB1
FCGR3A
NCF1
PTGS2
NCF2
TLR2
140000
120000
1e+05
80000
60000
40000
20000
0
HD1_2hr_CF
HD2_2hr_CF
HD3_2hr_CF
HD1_8hr_CFminus
HD2_8hr_CFminus
HD3_8hr_CFminus
HD1_8hr_CFplus
HD3_8hr_CFplus
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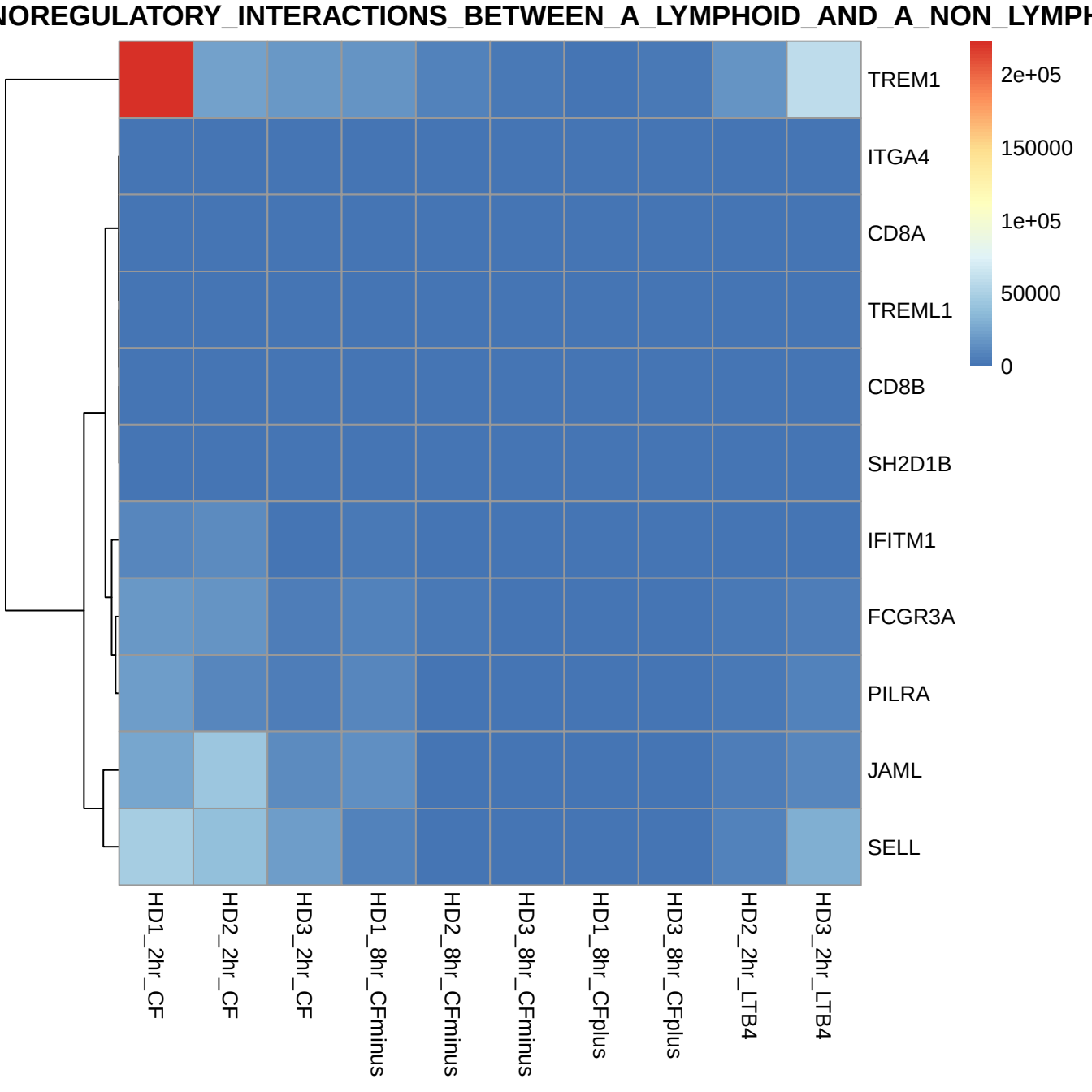
HD3_2hr_LTB4


NOREGULATORY_INTERACTIONS_BETWEEN_A_LYMPHOID_AND_A_NON_LYMPH
TREM1
ITGA4
CD8A
TREML1
CD8B
SH2D1B
IFITM1
FCGR3A
PILRA
JAML
SELL
2e+05
150000
1e+05
50000
0
HD1_2hr_CF
HD2_2hr_CF
HD3_2hr_CF
HD1_8hr_CFminus
HD2_8hr_CFminus
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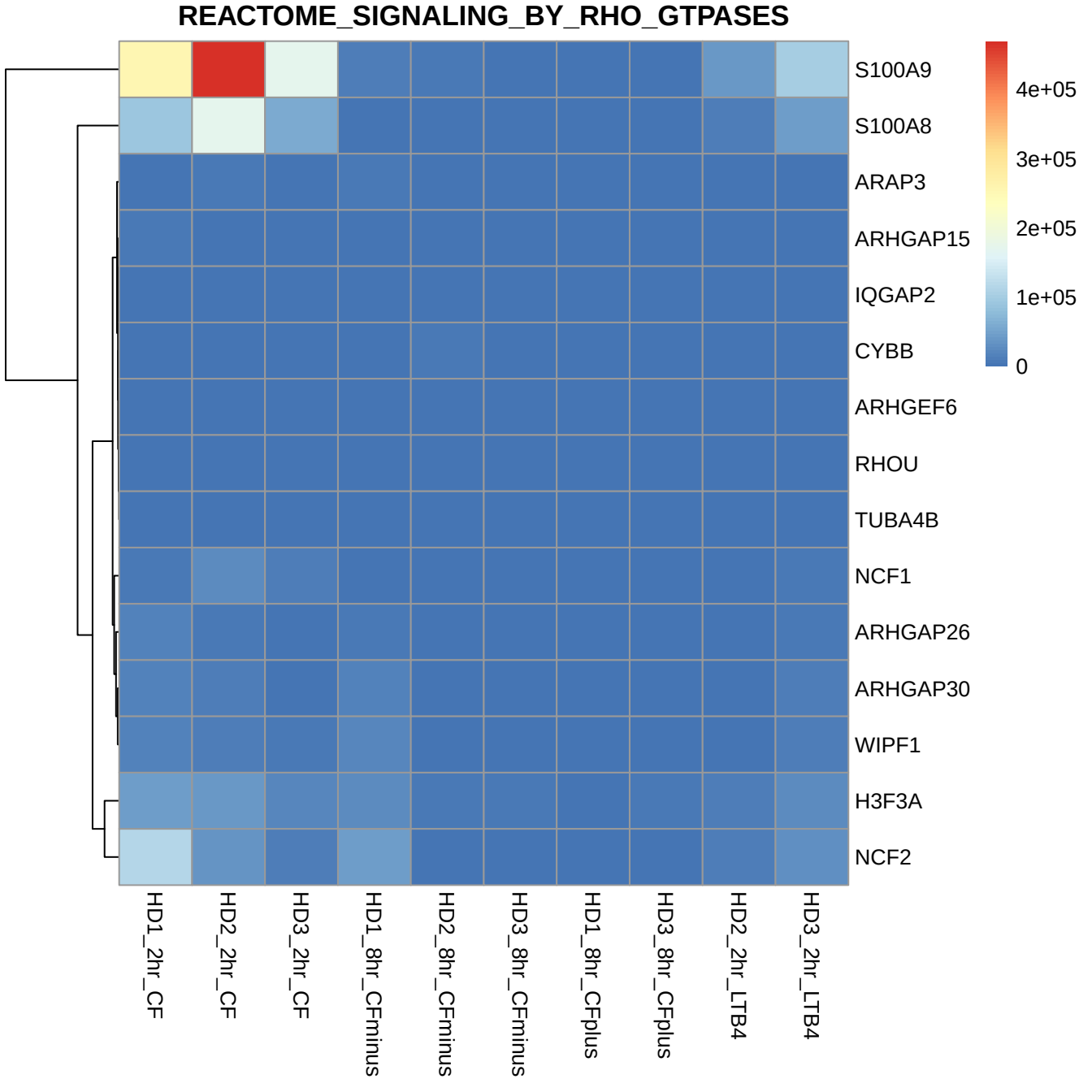
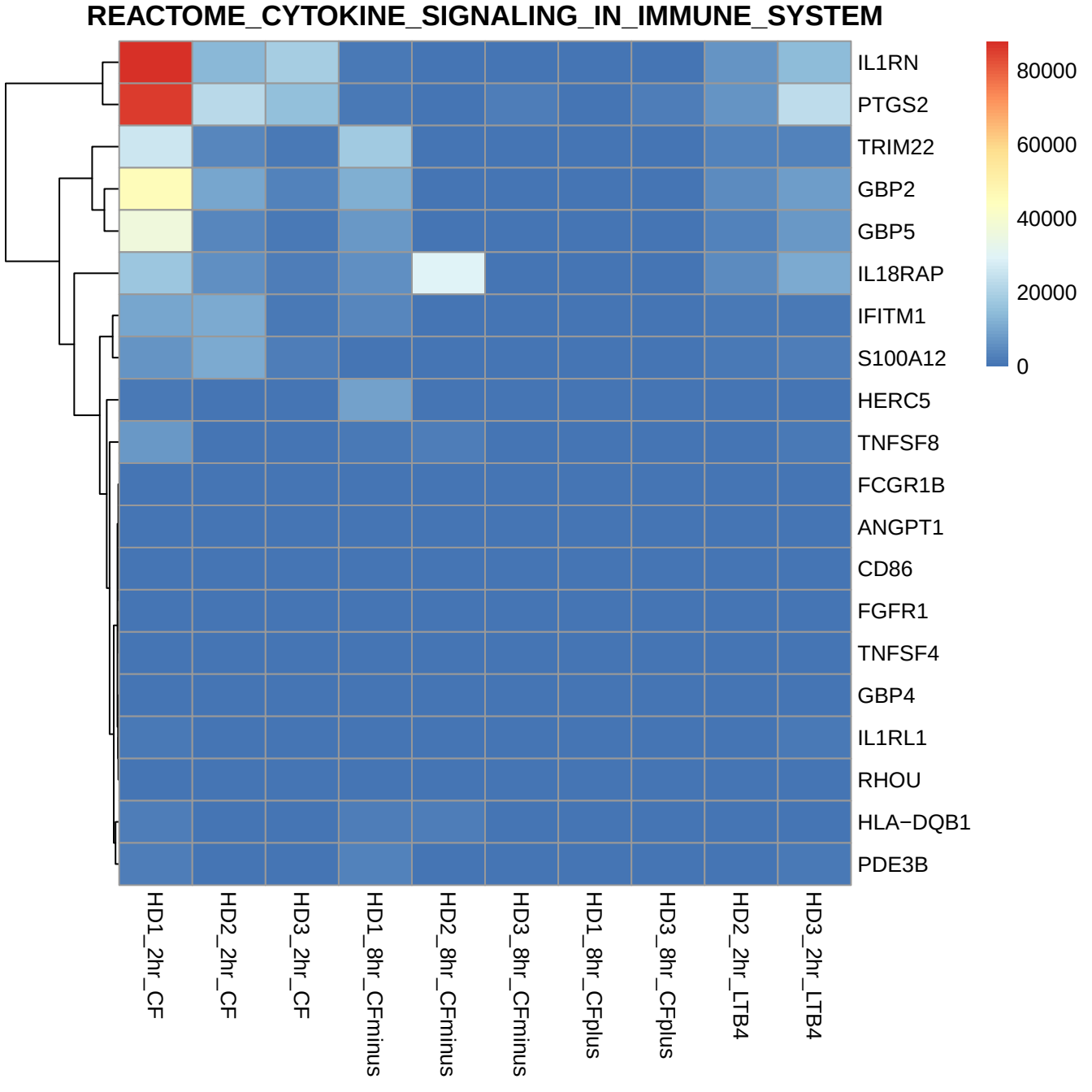
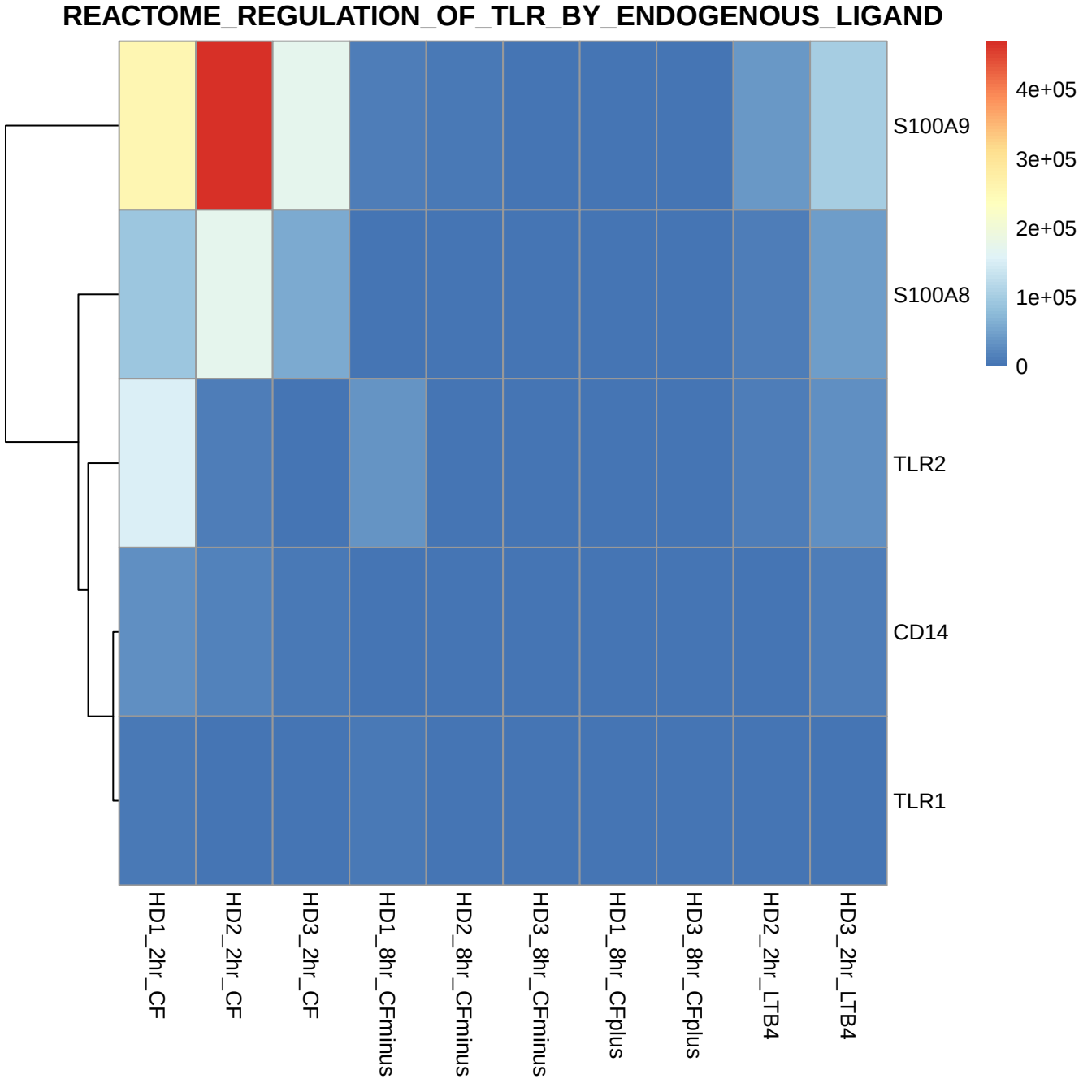
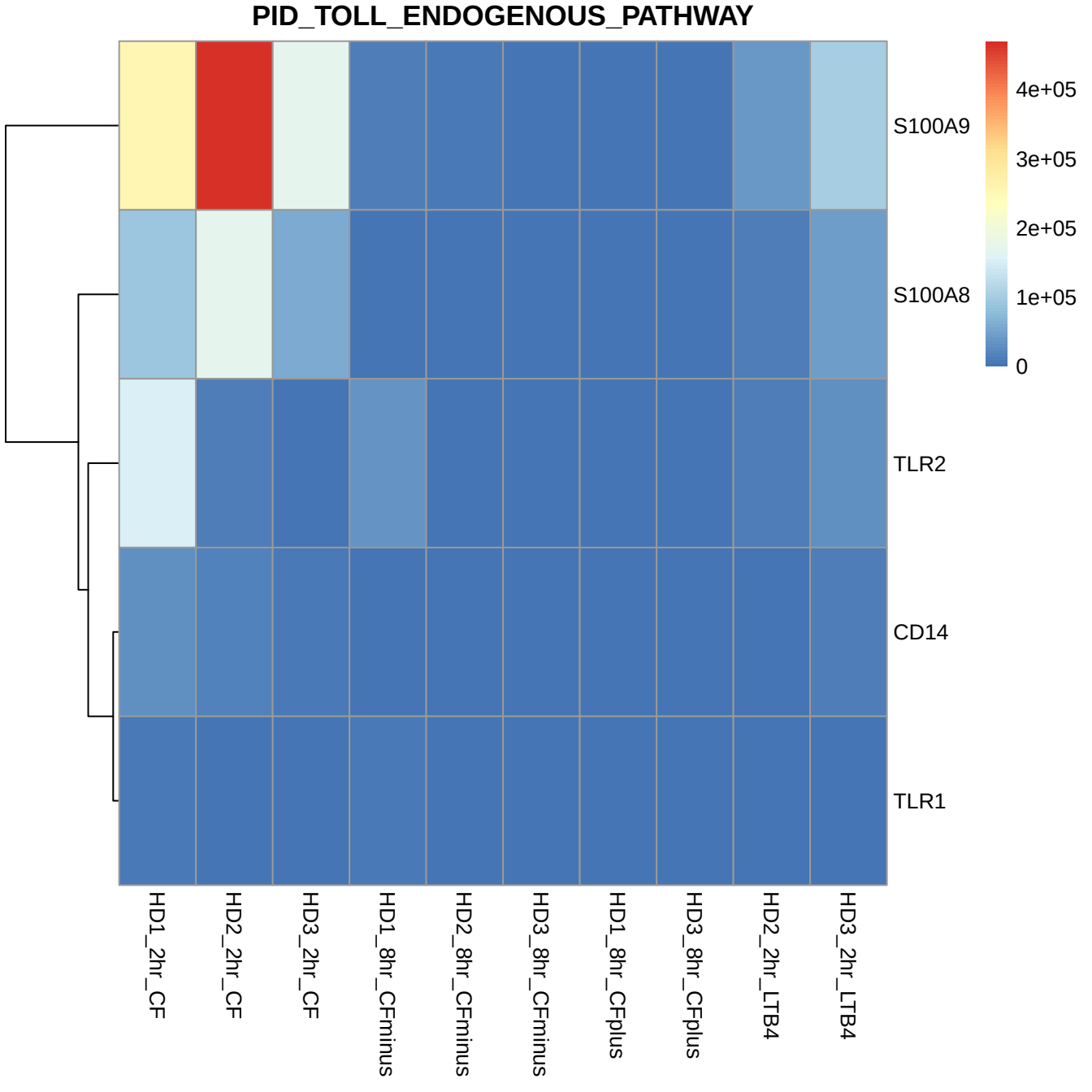
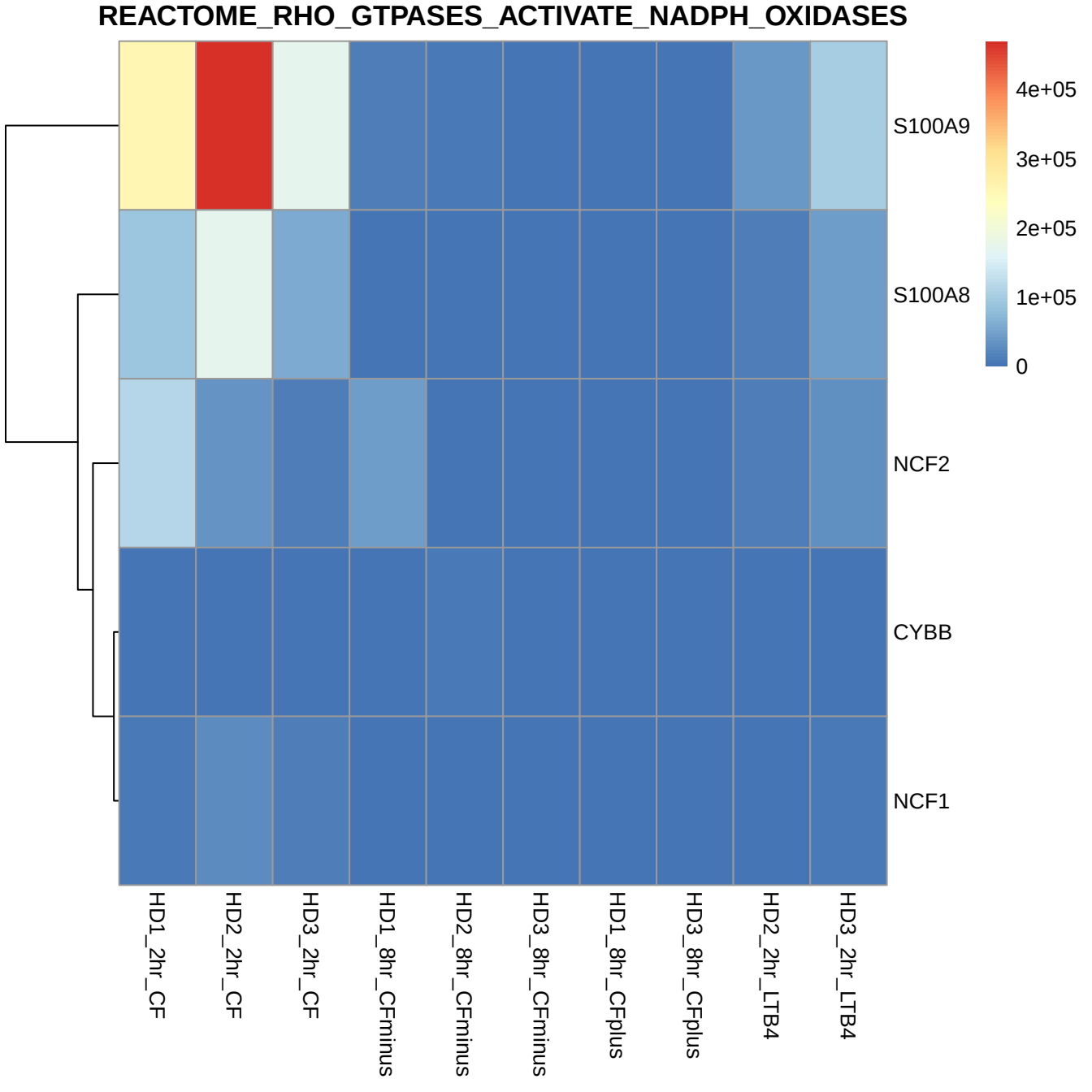
HD2_2hr_LTB4
HD3_2hr_LTB4

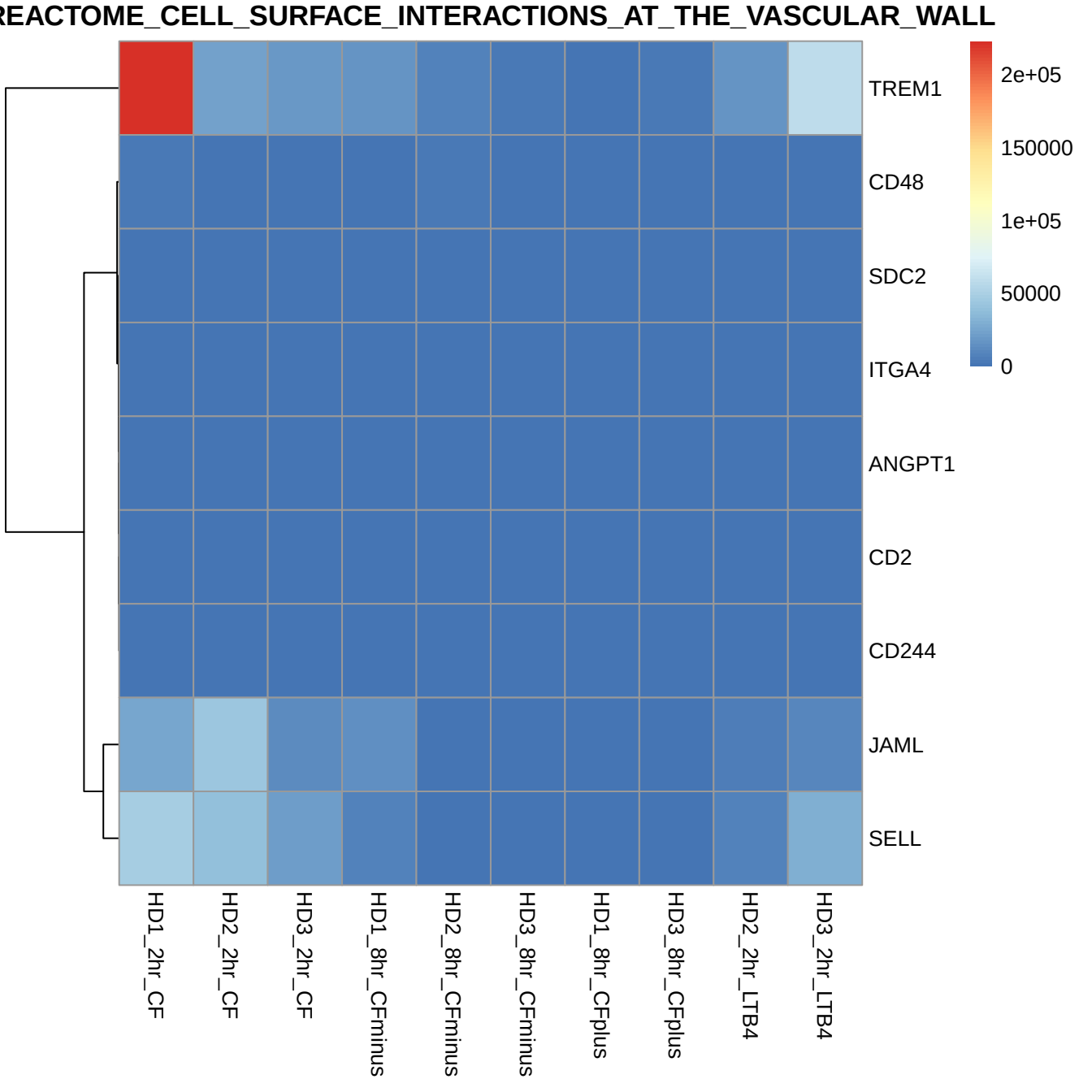

REACTOME_SIGNALING_BY_RHO_GTPASES
S100A9
S100A8
ARAP3
ARHGAP15
IQGAP2
CYBB
ARHGEF6
RHOU
TUBA4B
NCF1
ARHGAP26
ARHGAP30
WIPF1
H3F3A
NCF2
4e+05
3e+05
2e+05
1e+05
0
HD1_2hr_CF
HD2_2hr_CF
HD3_2hr_CF
HD1_8hr_CFminus
HD2_8hr_CFminus
HD3_8hr_CFminus
HD1_8hr_CFplus
HD3_8hr_CFplus
HD2_2hr_LTB4
HD3_2hr_LTB4

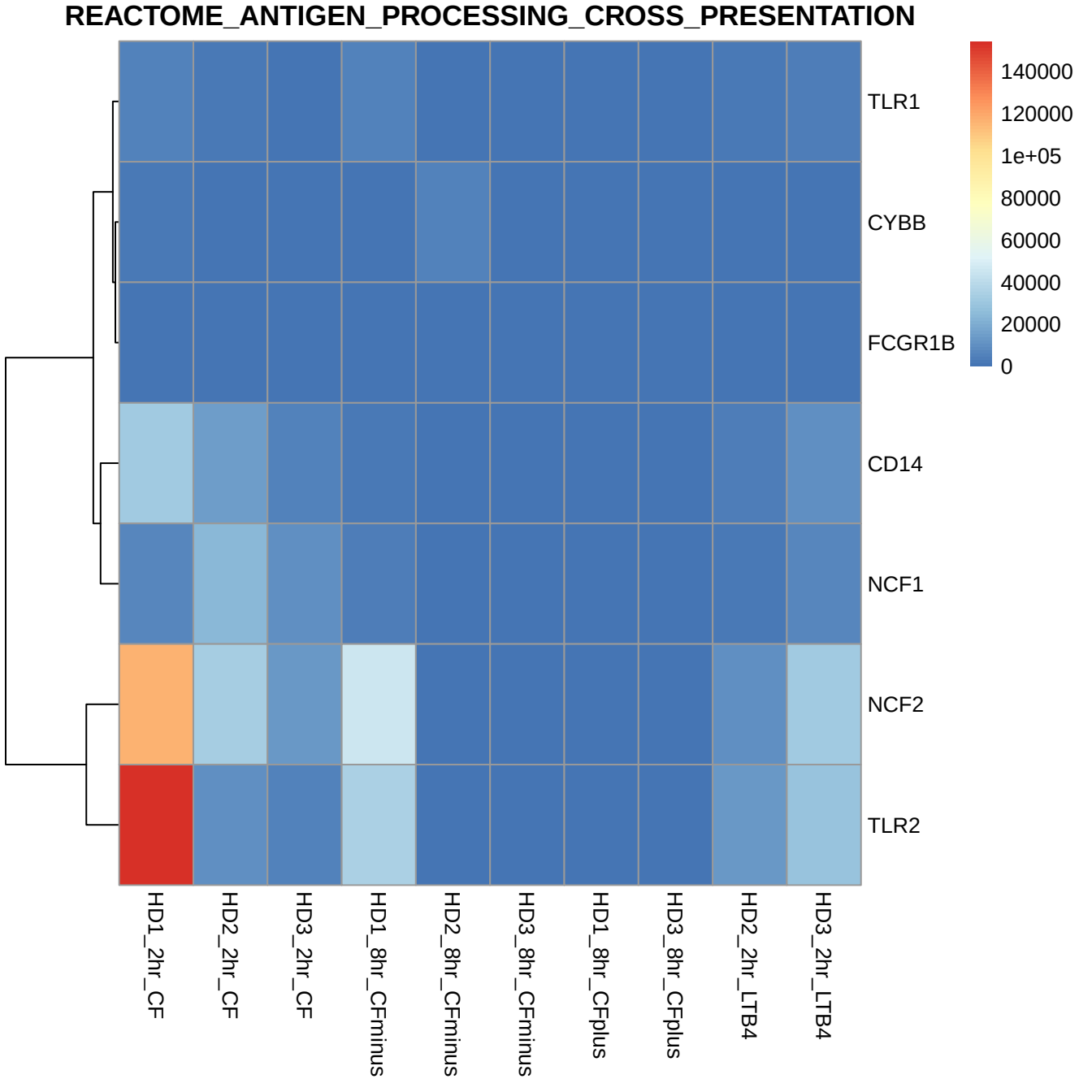

REACTOME_CYTOKINE_SIGNALING_IN_IMMUNE_SYSTEM
IL1RN
PTGS2
TRIM22
GBP2
GBP5
IL18RAP
IFITM1
S100A12
HERC5
TNFSF8
FCGR1B
ANGPT1
CD86
FGFR1
TNFSF4
GBP4
IL1RL1
RHOU
HLA−DQB1
PDE3B
80000
60000
40000
20000
0
HD1_2hr_CF
HD2_2hr_CF
HD3_2hr_CF
HD1_8hr_CFminus
HD2_8hr_CFminus
HD3_8hr_CFminus
HD1_8hr_CFplus
HD3_8hr_CFplus
HD2_2hr_LTB4
HD3_2hr_LTB4

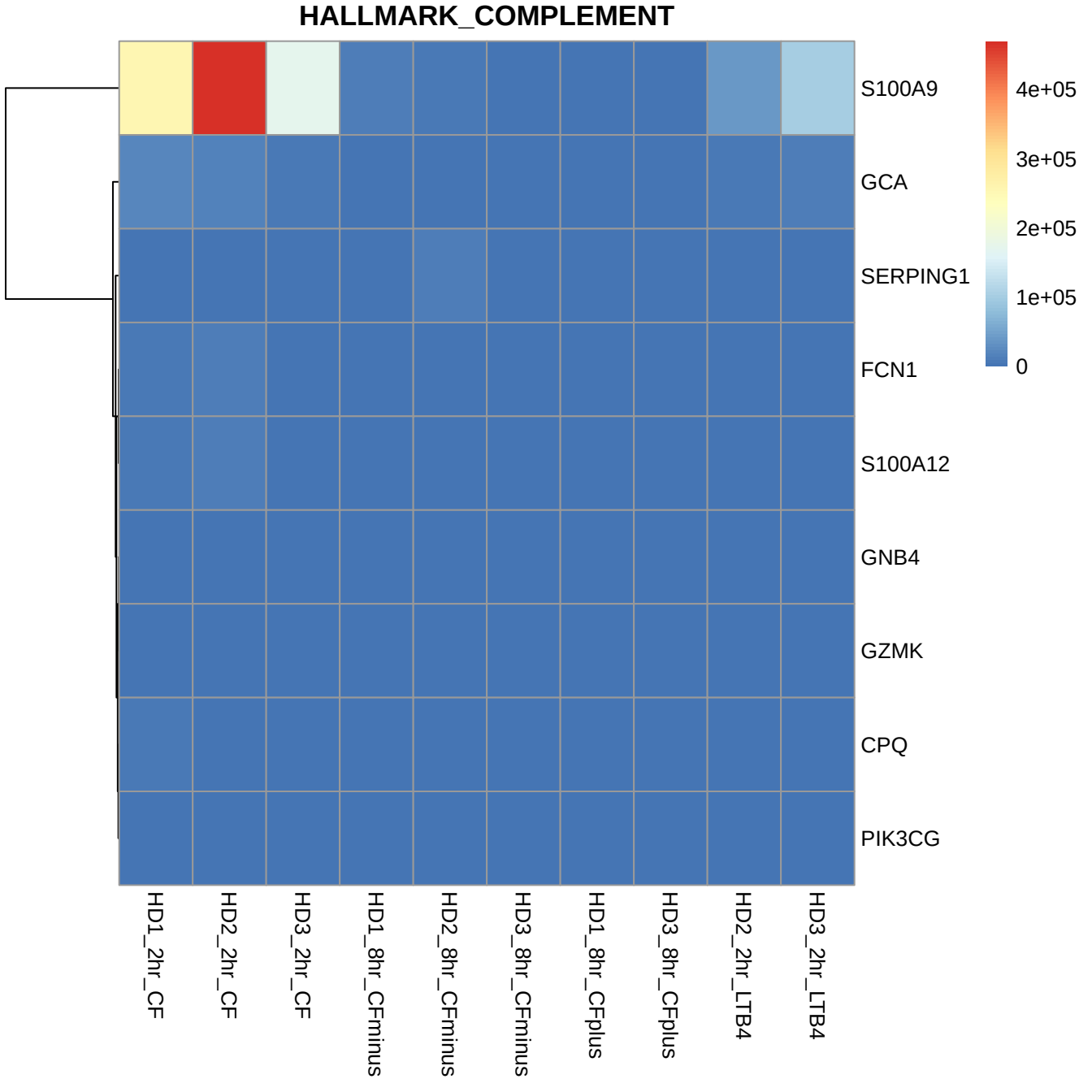

REACTOME_REGULATION_OF_TLR_BY_ENDOGENOUS_LIGAND
S100A9
S100A8
TLR2
CD14
TLR1
4e+05
3e+05
2e+05
1e+05
0
HD1_2hr_CF
HD2_2hr_CF
HD3_2hr_CF
HD1_8hr_CFminus
HD2_8hr_CFminus
HD3_8hr_CFminus
HD1_8hr_CFplus
HD3_8hr_CFplus
HD2_2hr_LTB4
HD3_2hr_LTB4

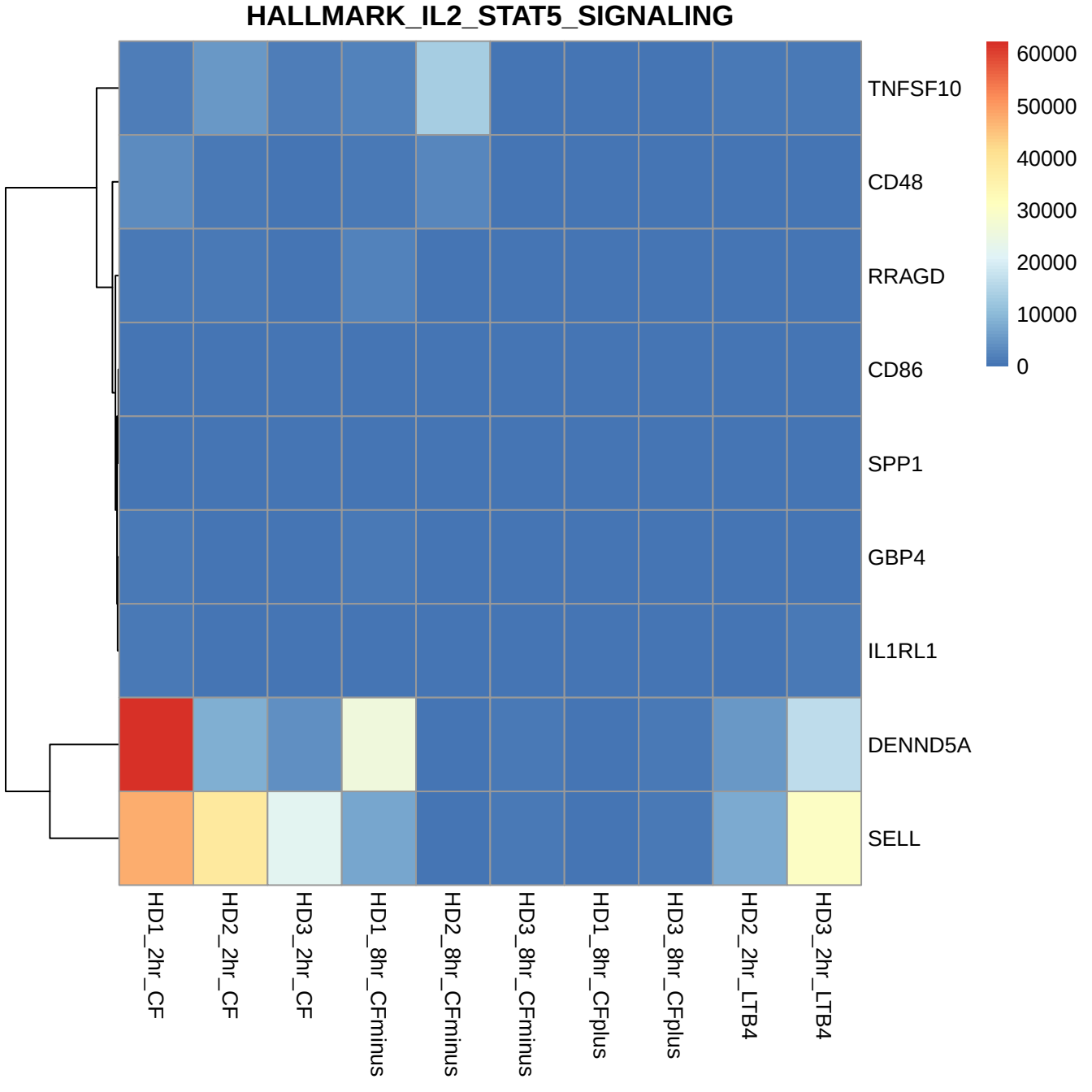

PID_TOLL_ENDOGENOUS_PATHWAY
S100A9
S100A8
TLR2
CD14
TLR1
4e+05
3e+05
2e+05
1e+05
0
HD1_2hr_CF
HD2_2hr_CF
HD3_2hr_CF
HD1_8hr_CFminus
HD2_8hr_CFminus
HD3_8hr_CFminus
HD1_8hr_CFplus
HD3_8hr_CFplus
HD2_2hr_LTB4
HD3_2hr_LTB4

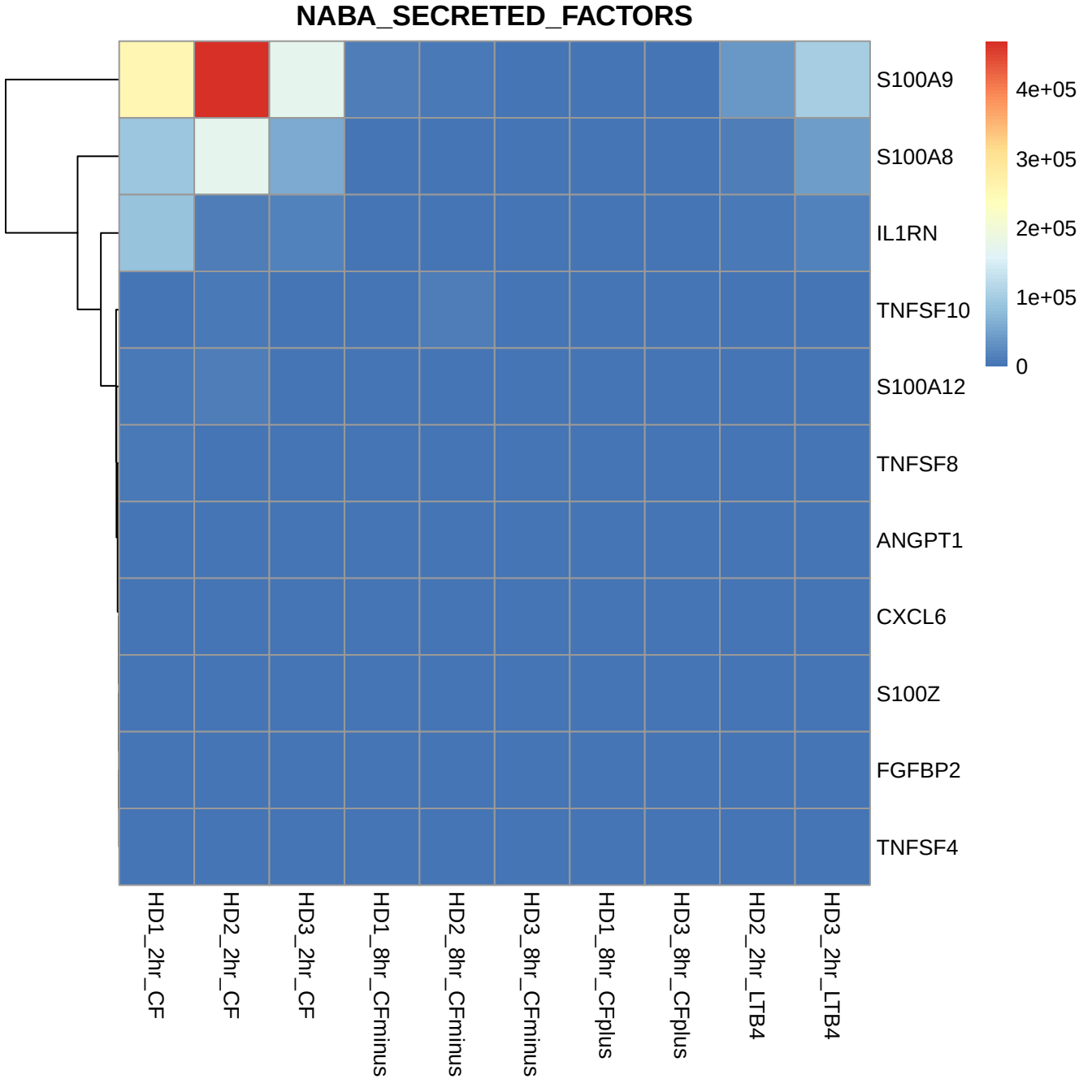

REACTOME_RHO_GTPASES_ACTIVATE_NADPH_OXIDASES
S100A9
S100A8
NCF2
CYBB
NCF1
4e+05
3e+05
2e+05
1e+05
0
HD1_2hr_CF
HD2_2hr_CF
HD3_2hr_CF
HD1_8hr_CFminus
HD2_8hr_CFminus
HD3_8hr_CFminus
HD1_8hr_CFplus
HD3_8hr_CFplus
HD2_2hr_LTB4
HD3_2hr_LTB4

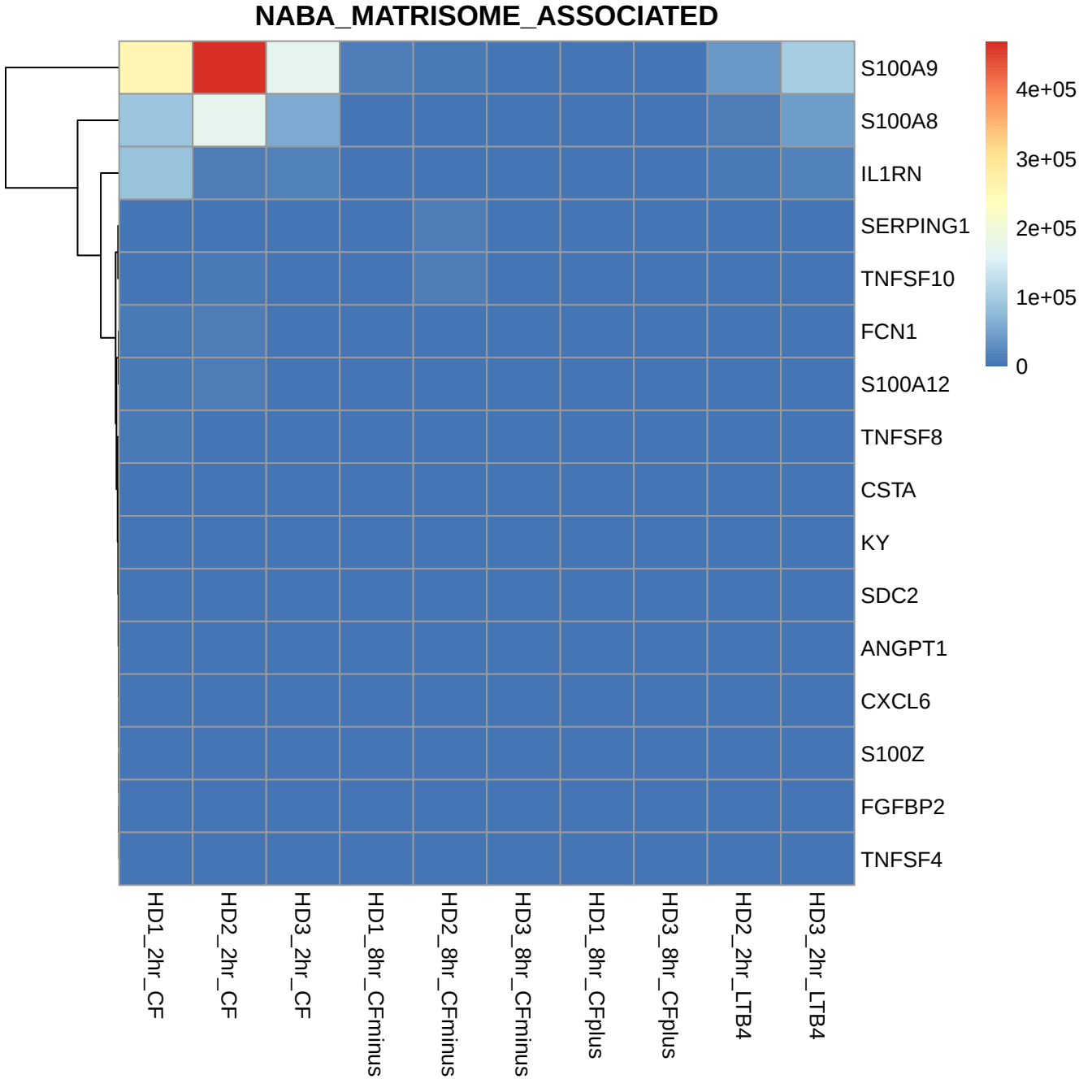

REACTOME_CELL_SURFACE_INTERACTIONS_AT_THE_VASCULAR_WALL
TREM1
CD48
SDC2
ITGA4
ANGPT1
CD2
CD244
JAML
SELL
2e+05
150000
1e+05
50000
0
HD1_2hr_CF
HD2_2hr_CF
HD3_2hr_CF
HD1_8hr_CFminus
HD2_8hr_CFminus
HD3_8hr_CFminus
HD1_8hr_CFplus
HD3_8hr_CFplus
HD2_2hr_LTB4
HD3_2hr_LTB4

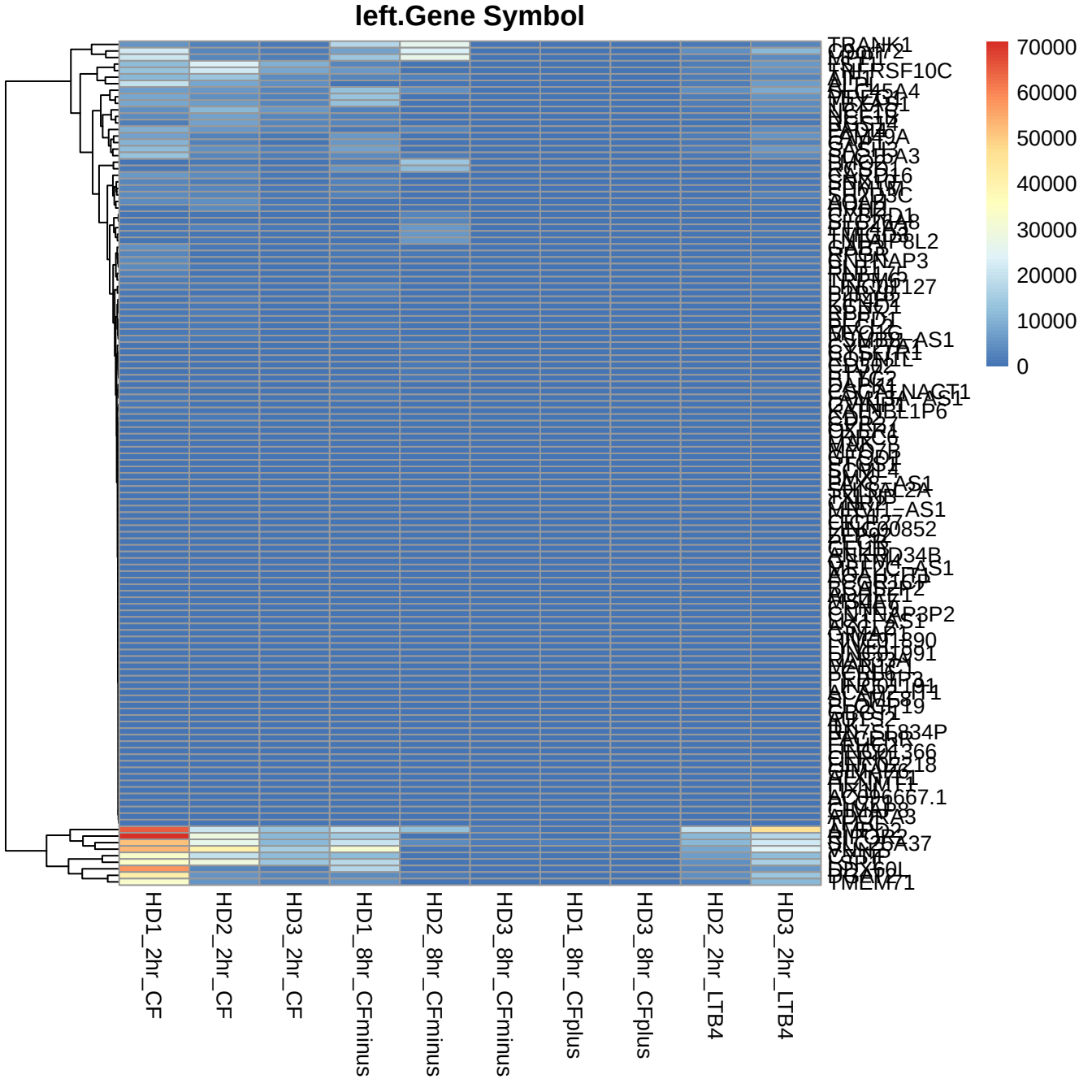

REACTOME_ANTIGEN_PROCESSING_CROSS_PRESENTATION
TLR1
CYBB
FCGR1B
CD14
NCF1
NCF2
TLR2
140000
120000
1e+05
80000
60000
40000
20000
0
HD1_2hr_CF
HD2_2hr_CF
HD3_2hr_CF
HD1_8hr_CFminus
HD2_8hr_CFminus
HD3_8hr_CFminus
HD1_8hr_CFplus
HD3_8hr_CFplus
HD2_2hr_LTB4
HD3_2hr_LTB4


HALLMARK_COMPLEMENT
S100A9
GCA
SERPING1
FCN1
S100A12
GNB4
GZMK
CPQ
PIK3CG
4e+05
3e+05
2e+05
1e+05
0
HD1_2hr_CF
HD2_2hr_CF
HD3_2hr_CF
HD1_8hr_CFminus
HD2_8hr_CFminus
HD3_8hr_CFminus
HD1_8hr_CFplus
HD3_8hr_CFplus
HD2_2hr_LTB4
HD3_2hr_LTB4


HALLMARK_IL2_STAT5_SIGNALING
TNFSF10
CD48
RRAGD
CD86
SPP1
GBP4
IL1RL1
DENND5A
SELL
60000
50000
40000
30000
20000
10000
0
HD1_2hr_CF
HD2_2hr_CF
HD3_2hr_CF
HD1_8hr_CFminus
HD2_8hr_CFminus
HD3_8hr_CFminus
HD1_8hr_CFplus
HD3_8hr_CFplus
HD2_2hr_LTB4
HD3_2hr_LTB4


NABA_SECRETED_FACTORS
S100A9
S100A8
IL1RN
TNFSF10
S100A12
TNFSF8
ANGPT1
CXCL6
S100Z
FGFBP2
TNFSF4
4e+05
3e+05
2e+05
1e+05
0
HD1_2hr_CF
HD2_2hr_CF
HD3_2hr_CF
HD1_8hr_CFminus
HD2_8hr_CFminus
HD3_8hr_CFminus
HD1_8hr_CFplus
HD3_8hr_CFplus
HD2_2hr_LTB4
HD3_2hr_LTB4


NABA_MATRISOME_ASSOCIATED
S100A9
S100A8
IL1RN
SERPING1
TNFSF10
FCN1
S100A12
TNFSF8
CSTA
KY
SDC2
ANGPT1
CXCL6
S100Z
FGFBP2
TNFSF4
4e+05
3e+05
2e+05
1e+05
0
HD1_2hr_CF
HD2_2hr_CF
HD3_2hr_CF
HD1_8hr_CFminus
HD2_8hr_CFminus
HD3_8hr_CFminus
HD1_8hr_CFplus
HD3_8hr_CFplus
HD2_2hr_LTB4
HD3_2hr_LTB4


left.Gene Symbol
70000
60000
50000
40000
30000
20000
10000
0
HD1_2hr_CF
HD2_2hr_CF
HD3_2hr_CF
HD1_8hr_CFminus
HD2_8hr_CFminus
HD3_8hr_CFminus
HD1_8hr_CFplus
HD3_8hr_CFplus
HD2_2hr_LTB4
HD3_2hr_LTB4