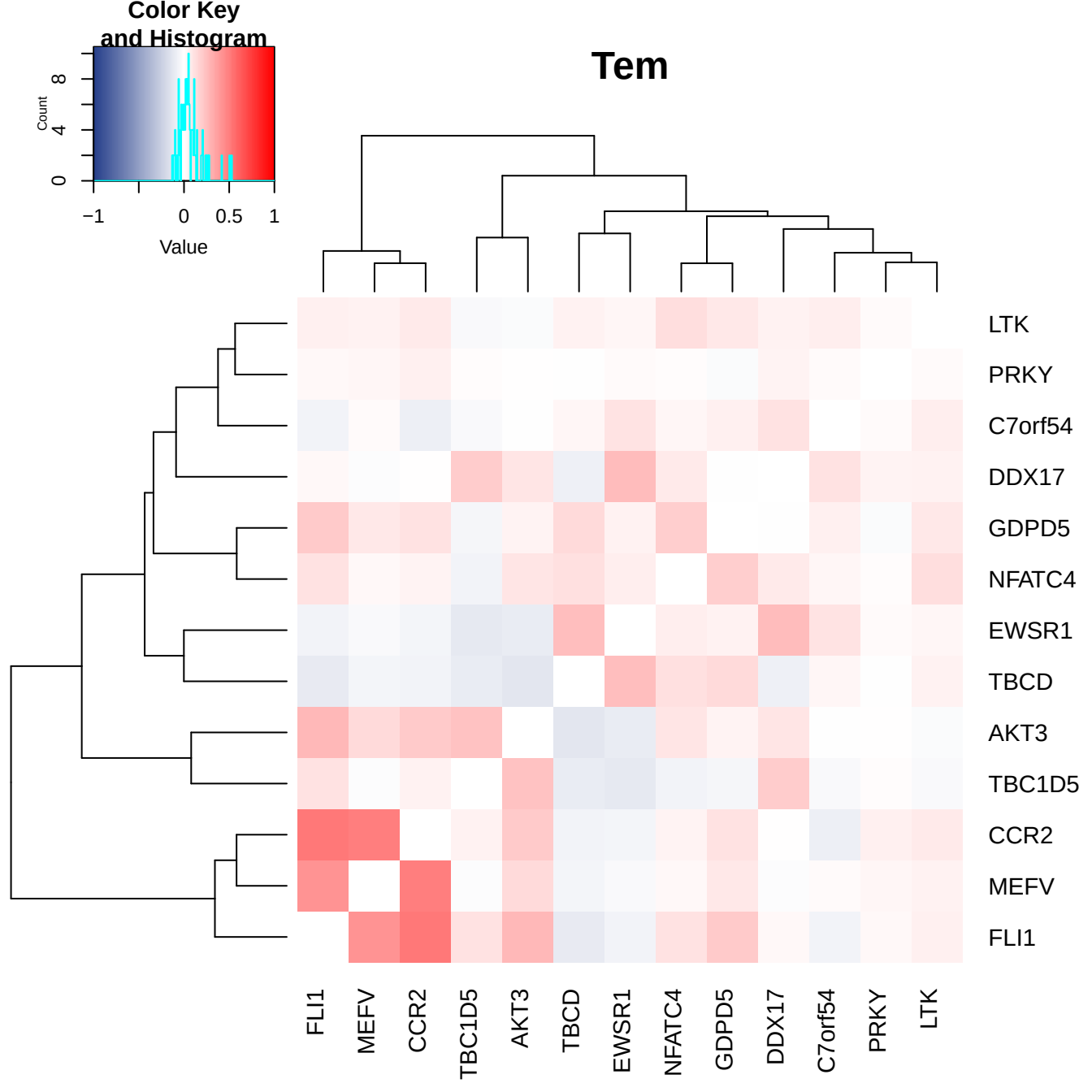
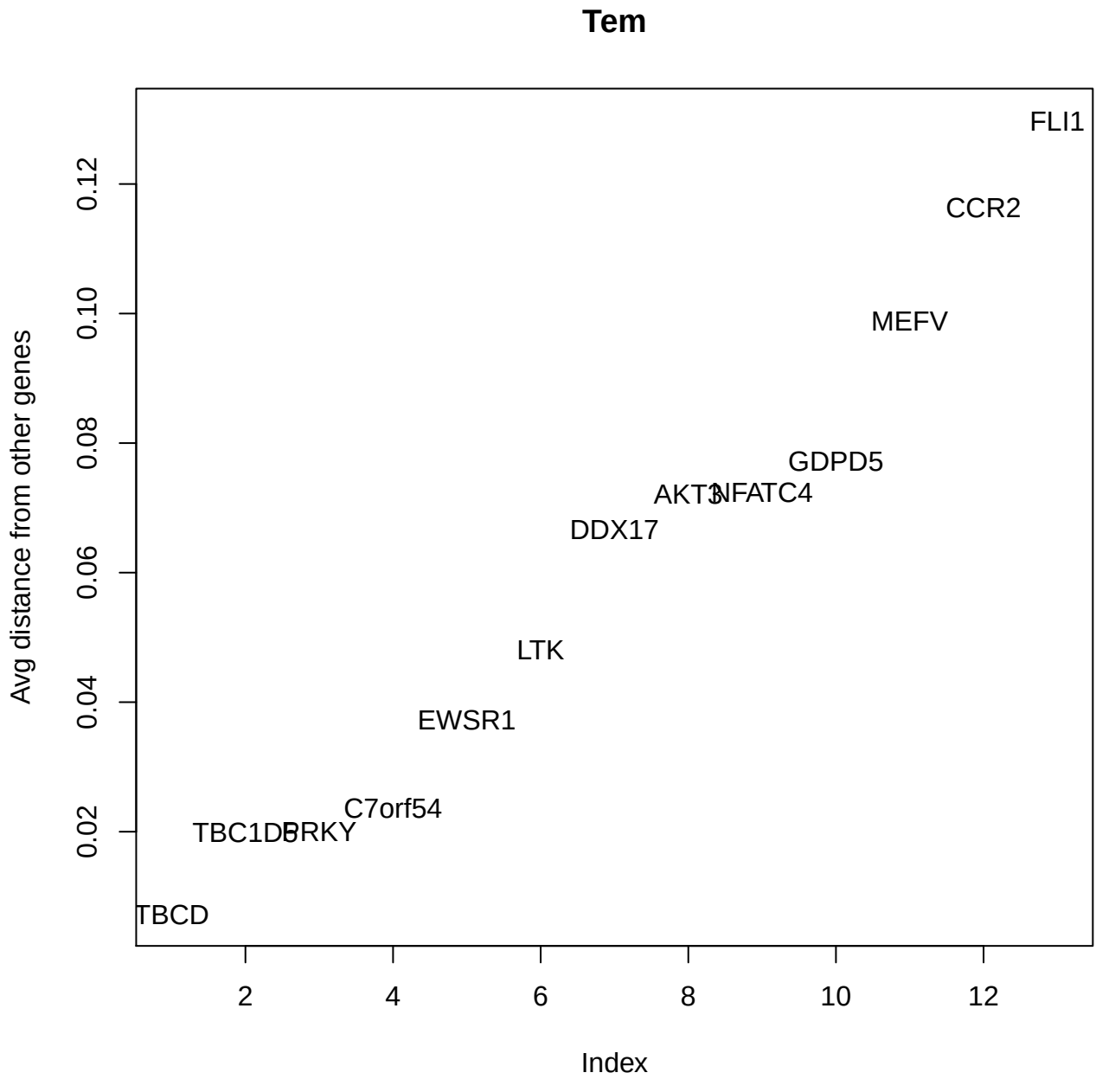
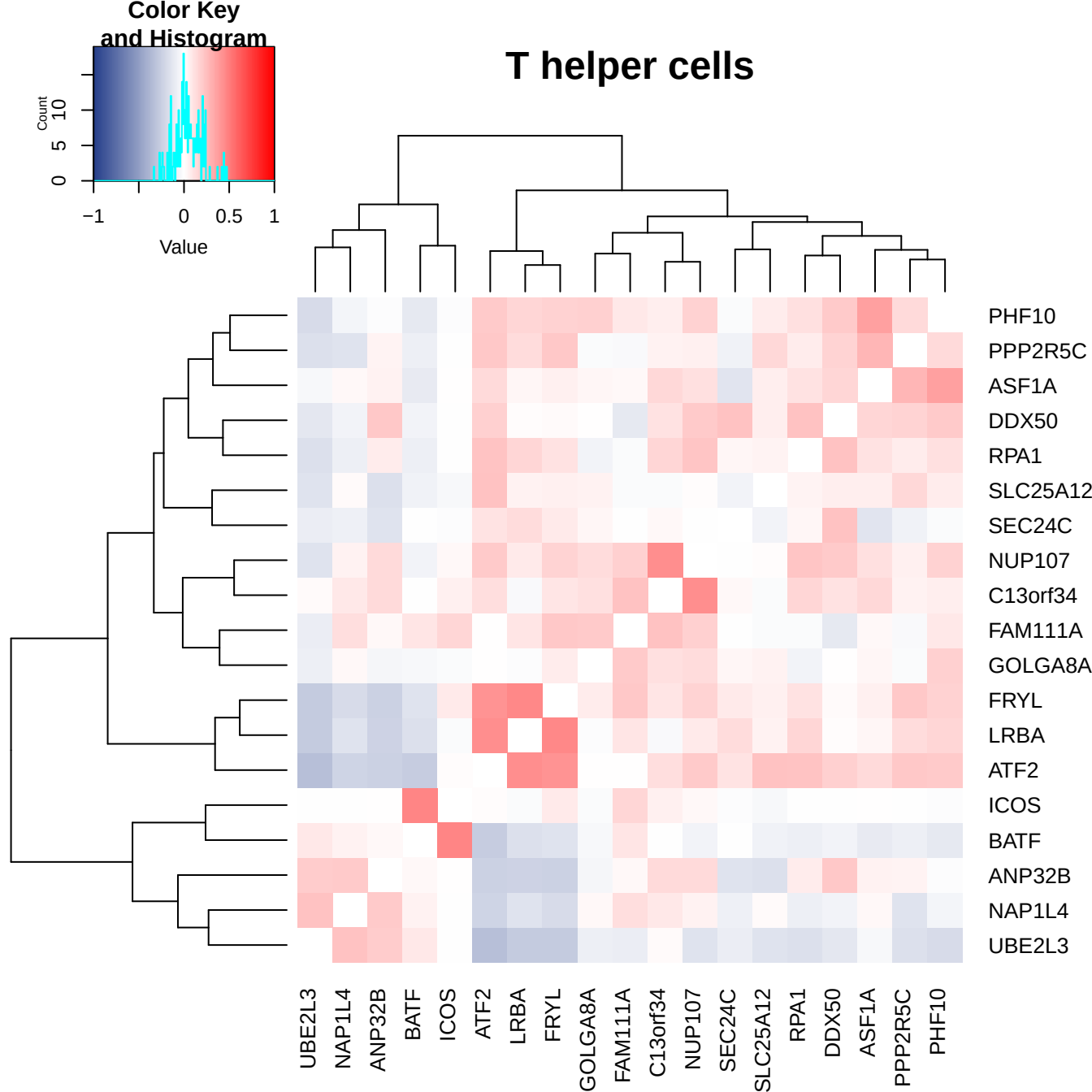
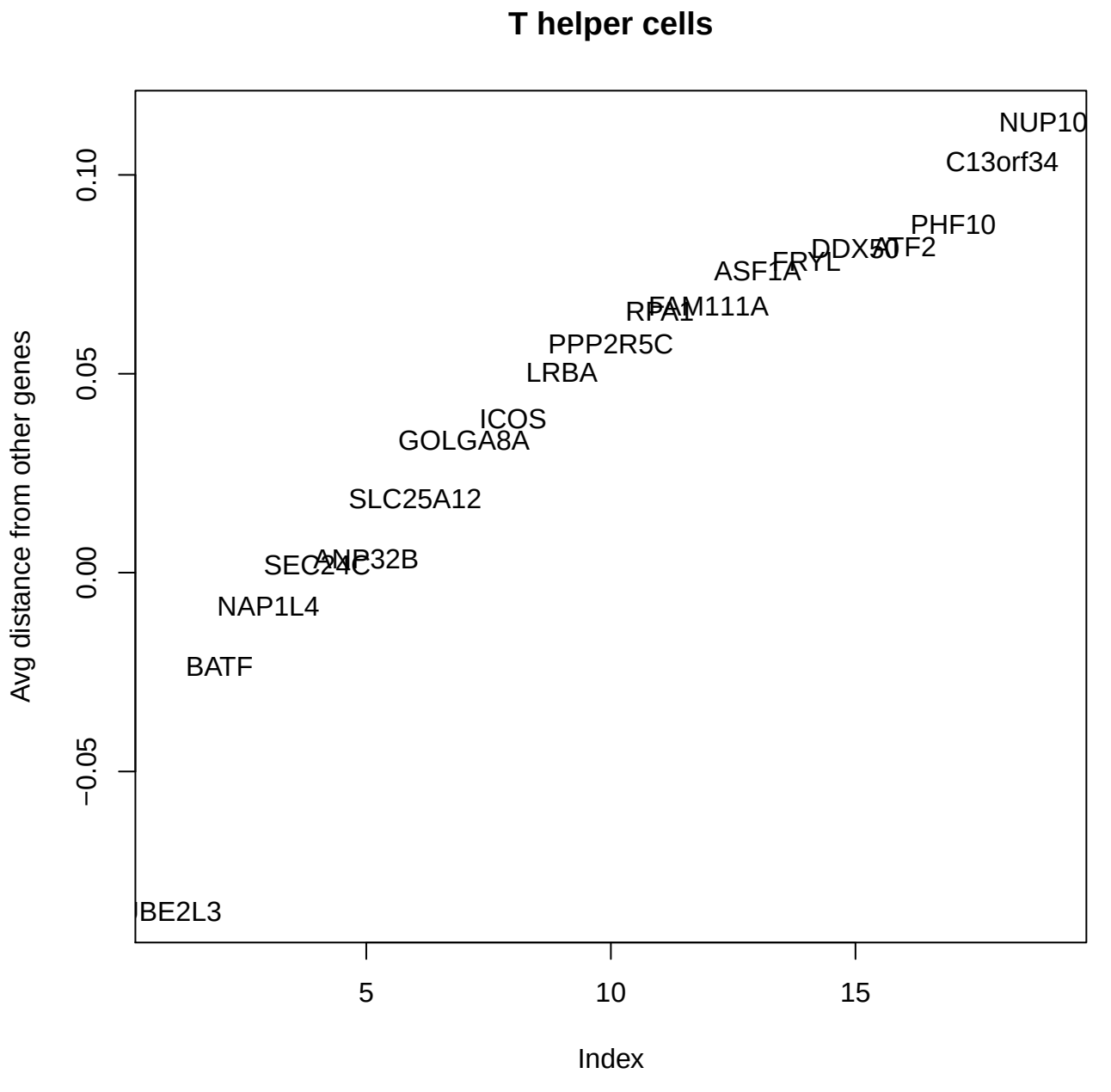
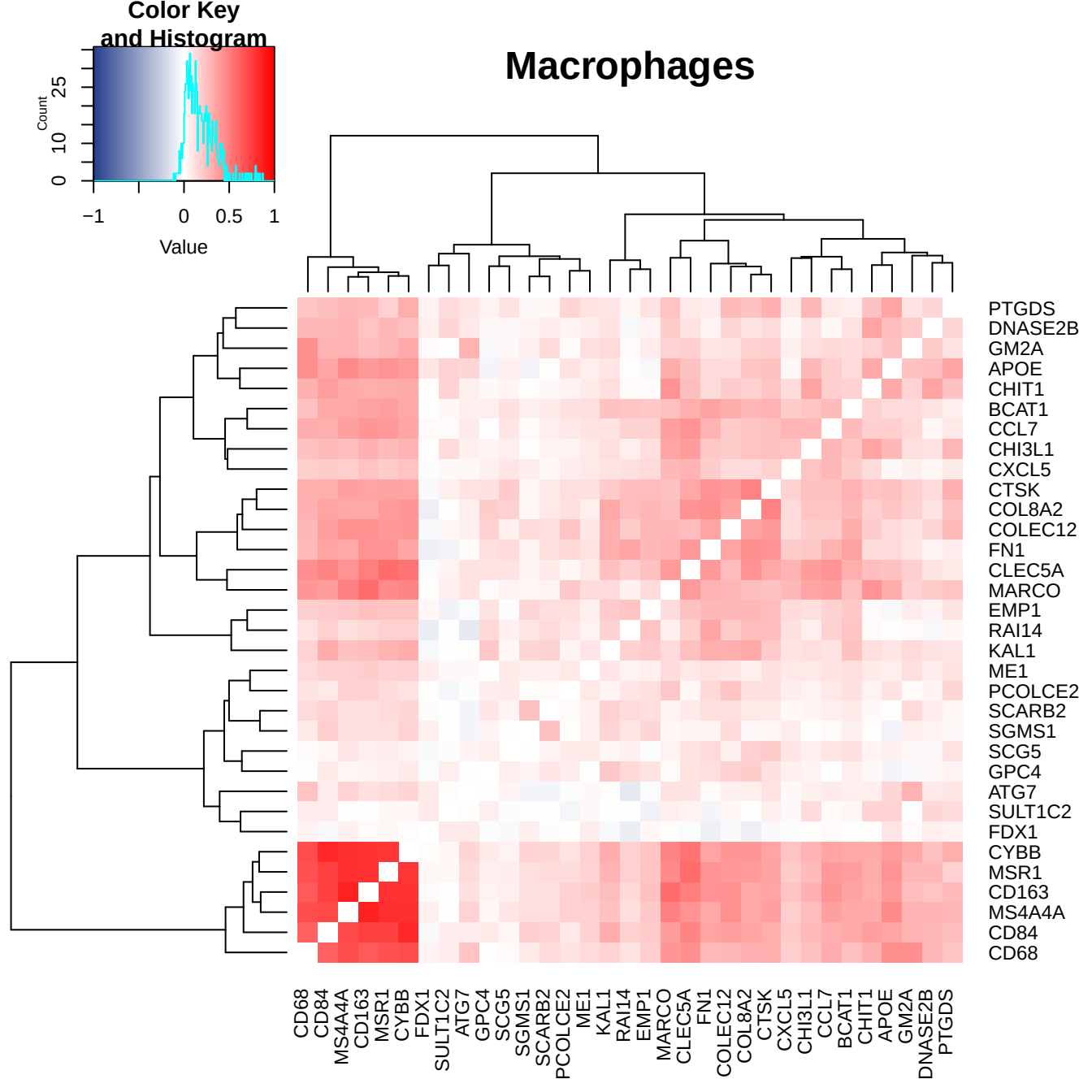
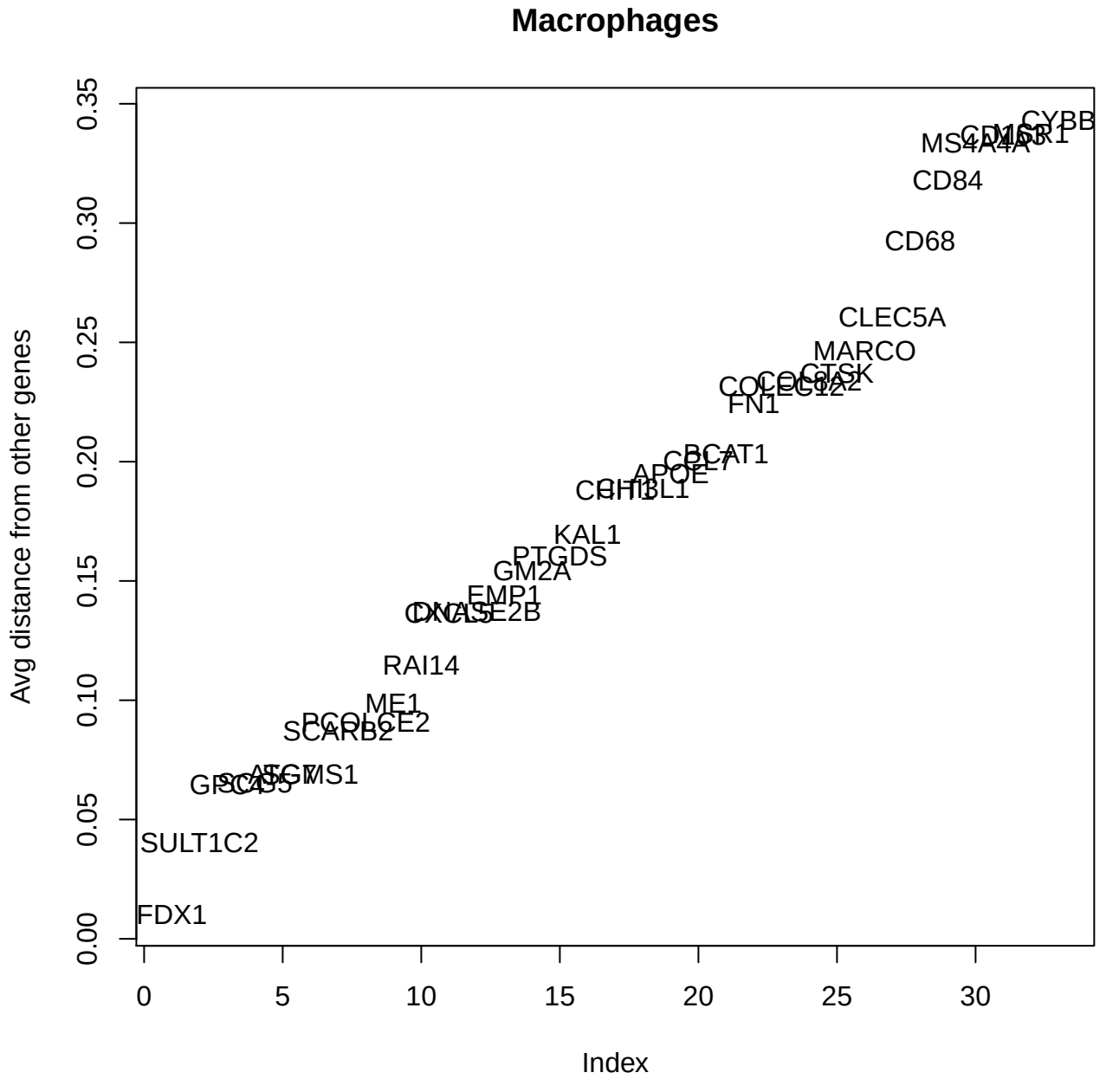

Color Key
and Histogram
Count
0
4
8
−1
0
0.5
1
Value
Tem
LTK
PRKY
C7orf54
DDX17
GDPD5
NFATC4
EWSR1
TBCD
AKT3
TBC1D5
CCR2
MEFV
FLI1
FLI1
MEFV
CCR2
TBC1D5
AKT3
TBCD
EWSR1
NFATC4
GDPD5
DDX17
C7orf54
PRKY
LTK

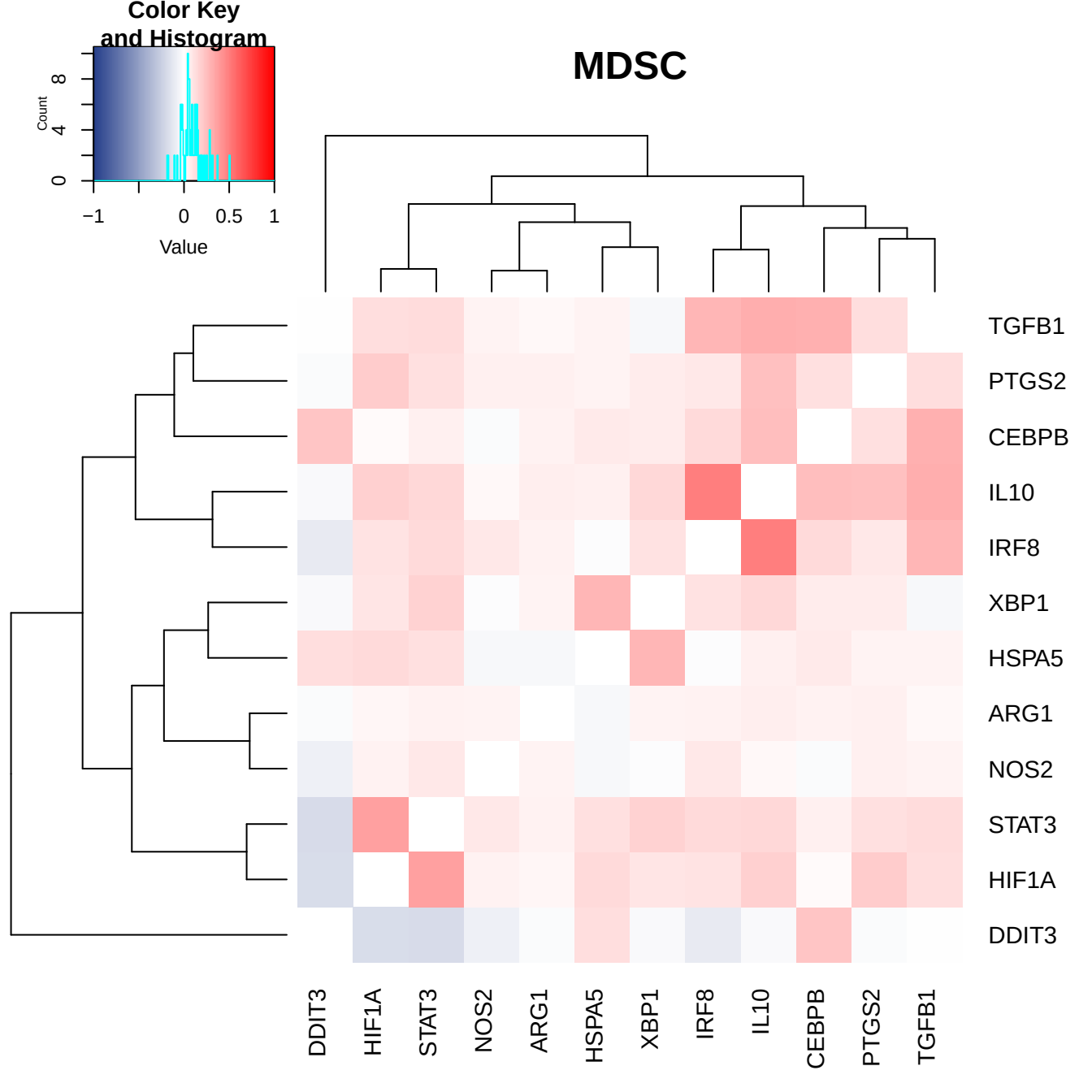

Tem
FLI1
CCR2
MEFV
GDPD5
AKT3
NFATC4
DDX17
LTK
EWSR1
C7orf54
TBC1D5
PRKY
TBCD
0.02
0.04
0.06
0.08
0.10
0.12
2
4
6
8
10
12
Avg distance from other genes
Index

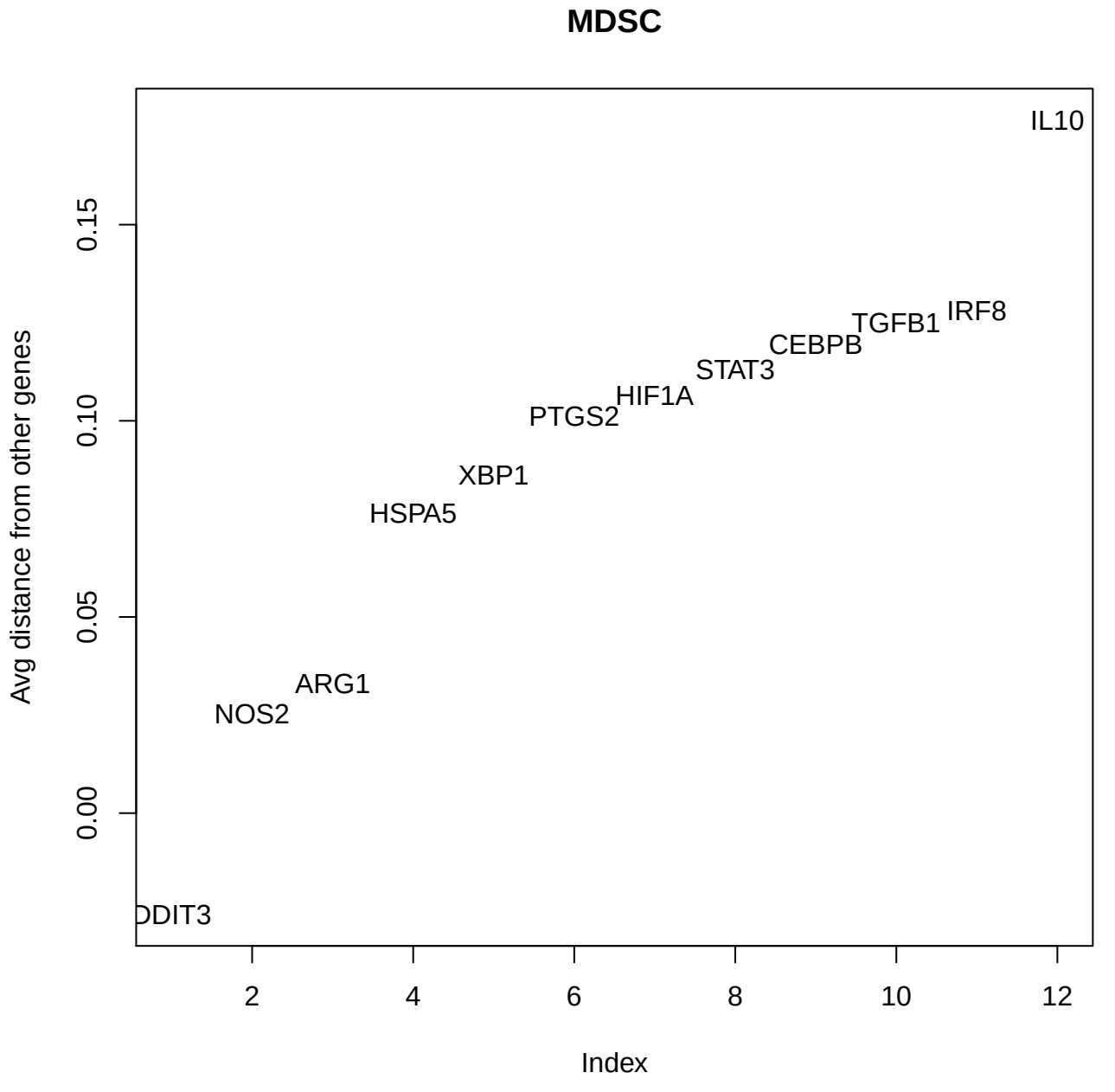

Color Key
and Histogram
Count
0
5
10
−1
0
0.5
1
Value
T helper cells
PHF10
PPP2R5C
ASF1A
DDX50
RPA1
SLC25A12
SEC24C
NUP107
C13orf34
FAM111A
GOLGA8A
FRYL
LRBA
ATF2
ICOS
BATF
ANP32B
NAP1L4
UBE2L3
UBE2L3
NAP1L4
ANP32B
BATF
ICOS
ATF2
LRBA
FRYL
GOLGA8A
FAM111A
C13orf34
NUP107
SEC24C
SLC25A12
RPA1
DDX50
ASF1A
PPP2R5C
PHF10

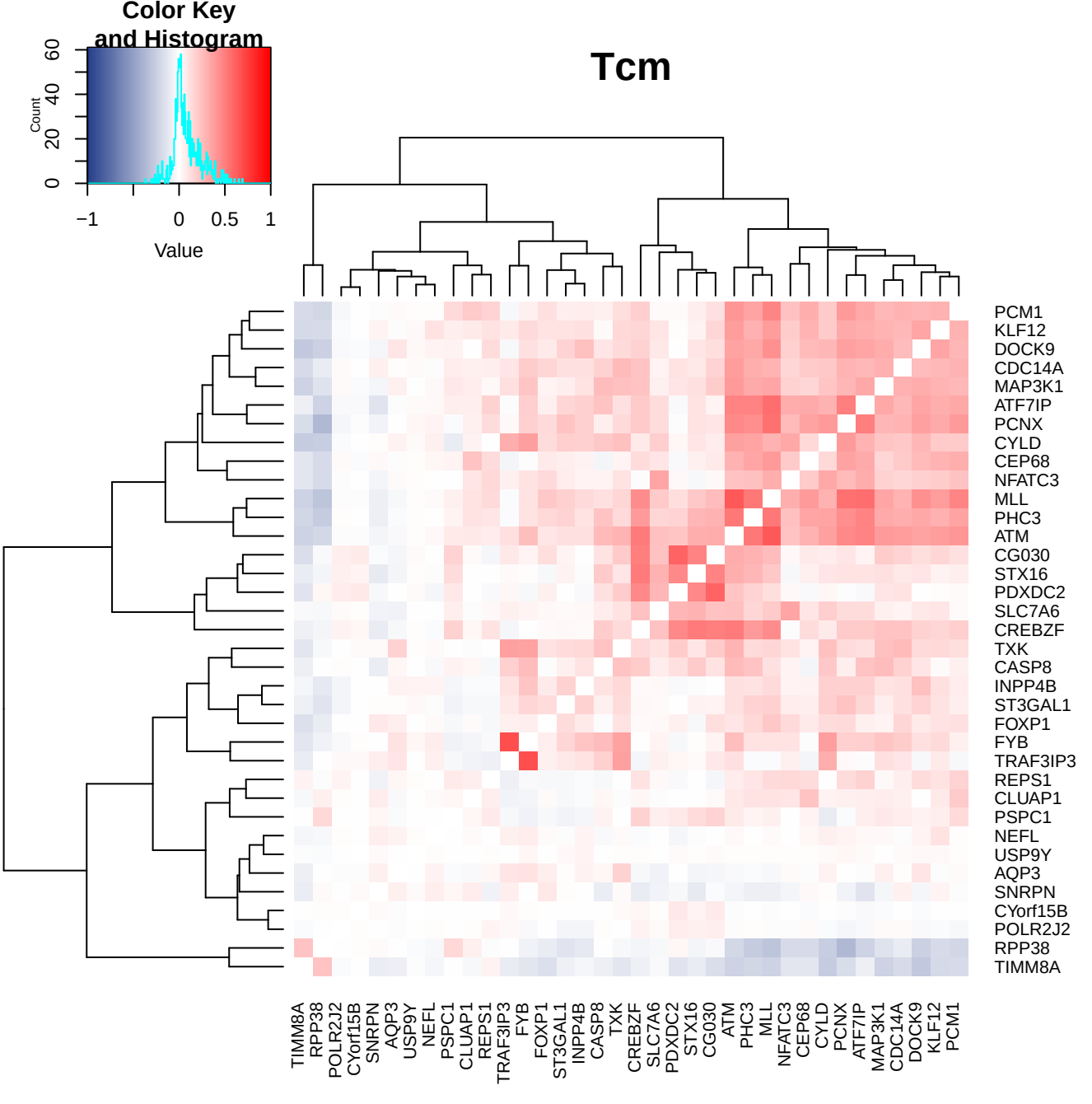

T helper cells
NUP10
C13orf34
PHF10
DDX50
ATF2
FRYL
ASF1A
FAM111A
RPA1
PPP2R5C
LRBA
ICOS
GOLGA8A
SLC25A12
ANP32B
SEC24C
NAP1L4
BATF
BE2L3
0.10
0.05
0.00
−0.05
Avg distance from other genes
5
10
15
Index

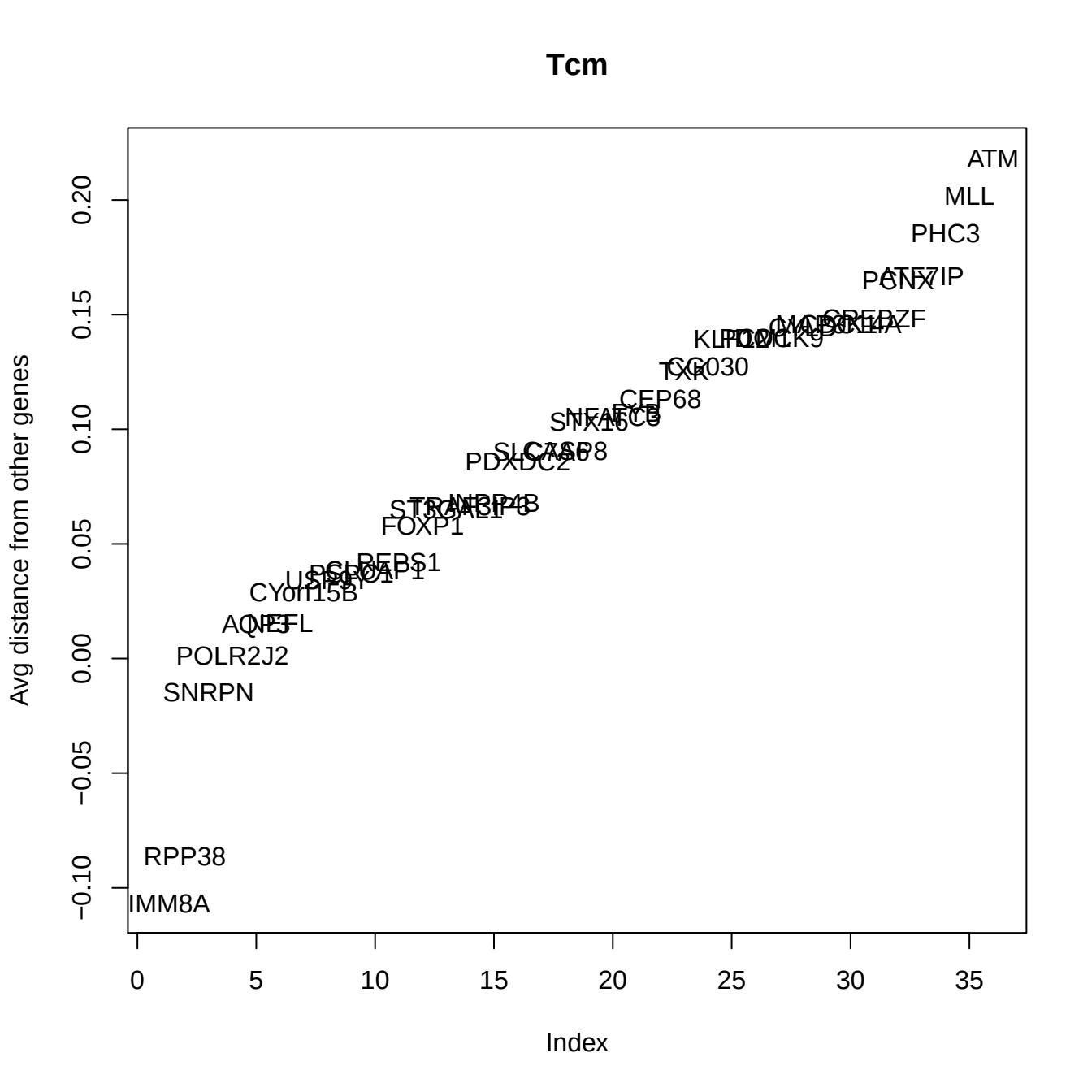

Color Key
and Histogram
Count
0
10
25
−1
0
0.5
1
Value
Macrophages
PTGDS
DNASE2B
GM2A
APOE
CHIT1
BCAT1
CCL7
CHI3L1
CXCL5
CTSK
COL8A2
COLEC12
FN1
CLEC5A
MARCO
EMP1
RAI14
KAL1
ME1
PCOLCE2
SCARB2
SGMS1
SCG5
GPC4
ATG7
SULT1C2
FDX1
CYBB
MSR1
CD163
MS4A4A
CD84
CD68
CD68
CD84
MS4A4A
CD163
MSR1
CYBB
FDX1
SULT1C2
ATG7
GPC4
SCG5
SGMS1
SCARB2
PCOLCE2
ME1
KAL1
RAI14
EMP1
MARCO
CLEC5A
FN1
COLEC12
COL8A2
CTSK
CXCL5
CHI3L1
CCL7
BCAT1
CHIT1
APOE
GM2A
DNASE2B
PTGDS

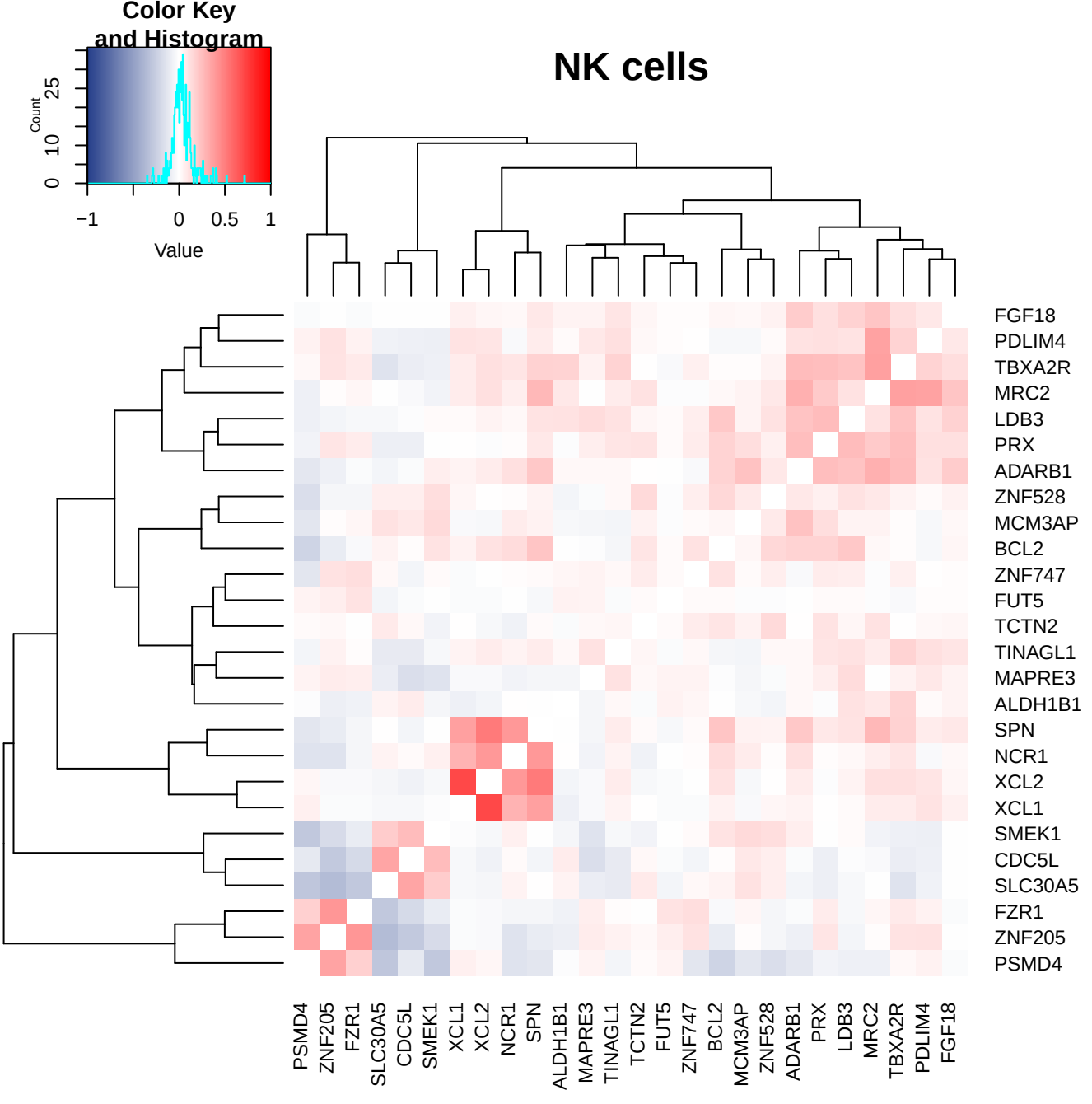

Macrophages
Avg distance from other genes
Index
0.00
0.05
0.10
0.15
0.20
0.25
0.30
0.35
0
5
10
15
20
25
30
CYBB
MS4A4A
CD84
CD68
CLEC5A
MARCO
CTSK
FN1
BCAT1
APOE
KAL1
PTGDS
GM2A
EMP1
RAI14
ME1
SCARB2
SULT1C2
FDX1

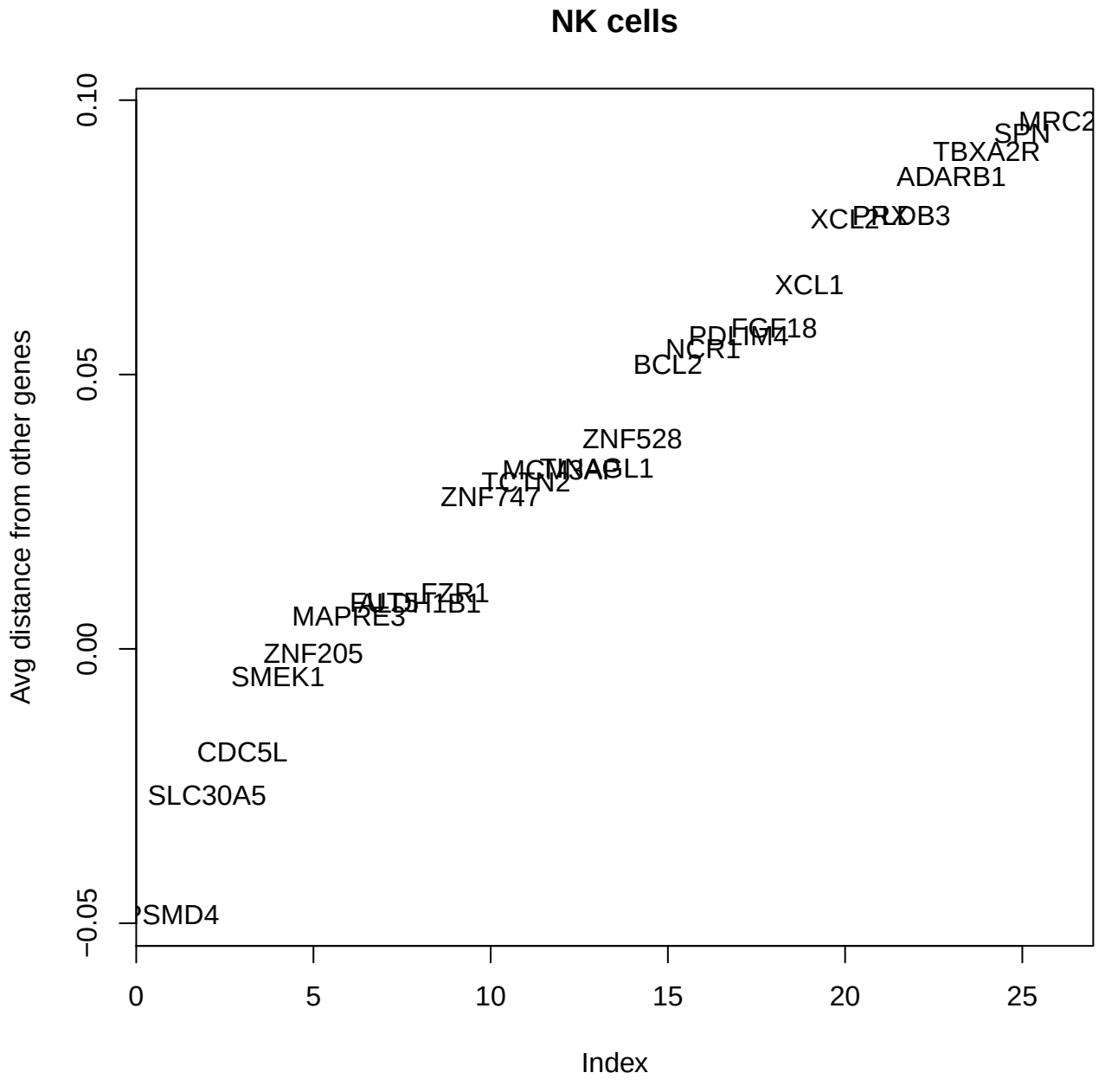

Color Key
and Histogram
Count
0
4
8
−1
0
0.5
1
Value
MDSC
TGFB1
PTGS2
CEBPB
IL10
IRF8
XBP1
HSPA5
ARG1
NOS2
STAT3
HIF1A
DDIT3
DDIT3
HIF1A
STAT3
NOS2
ARG1
HSPA5
XBP1
IRF8
IL10
CEBPB
PTGS2
TGFB1

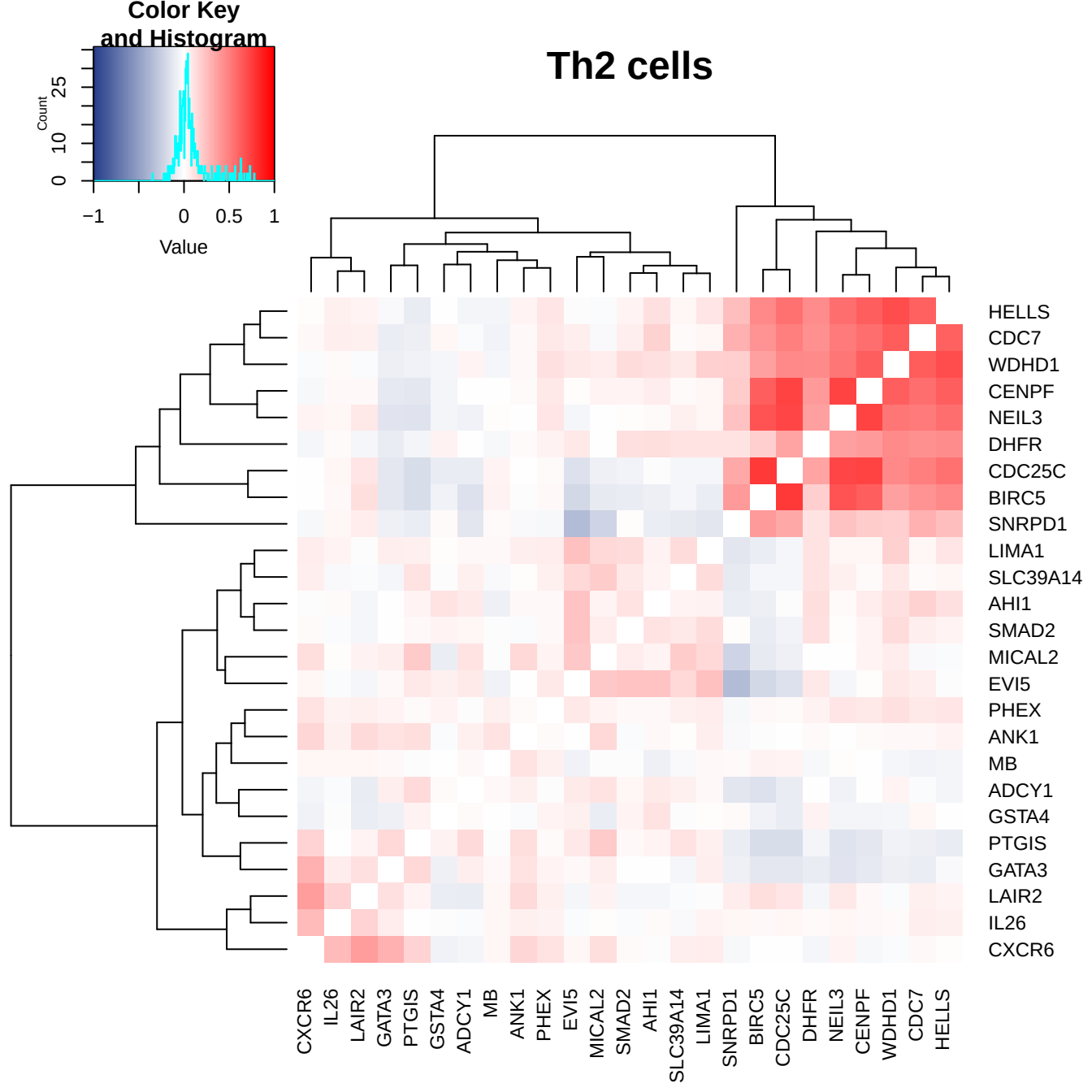

MDSC
IL10
IRF8
TGFB1
CEBPB
STAT3
HIF1A
PTGS2
XBP1
HSPA5
ARG1
NOS2
DDIT3
0.00
0.05
0.10
0.15
Avg distance from other genes
2
4
6
8
10
12
Index

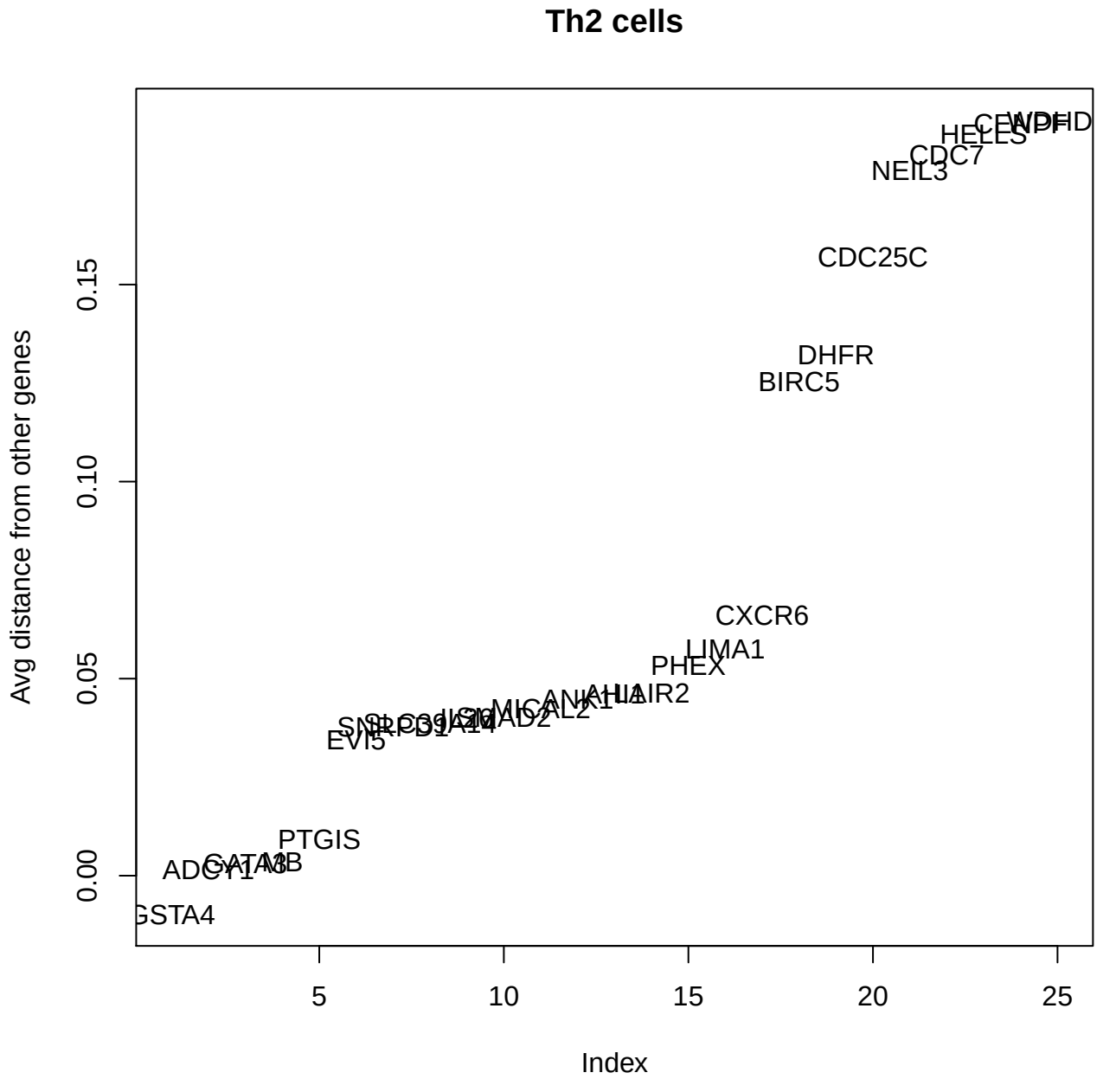

Color Key
and Histogram
Count
0
20
40
60
−1
0
0.5
1
Value
Tcm
PCM1
KLF12
DOCK9
CDC14A
MAP3K1
ATF7IP
PCNX
CYLD
CEP68
NFATC3
MLL
PHC3
ATM
CG030
STX16
PDXDC2
SLC7A6
CREBZF
TXK
CASP8
INPP4B
ST3GAL1
FOXP1
FYB
TRAF3IP3
REPS1
CLUAP1
PSPC1
NEFL
USP9Y
AQP3
SNRPN
CYorf15B
POLR2J2
RPP38
TIMM8A
TIMM8A
RPP38
POLR2J2
CYorf15B
SNRPN
AQP3
USP9Y
NEFL
PSPC1
CLUAP1
REPS1
TRAF3IP3
FYB
FOXP1
ST3GAL1
INPP4B
CASP8
TXK
CREBZF
SLC7A6
PDXDC2
STX16
CG030
ATM
PHC3
MLL
NFATC3
CEP68
CYLD
PCNX
ATF7IP
MAP3K1
CDC14A
DOCK9
KLF12
PCM1

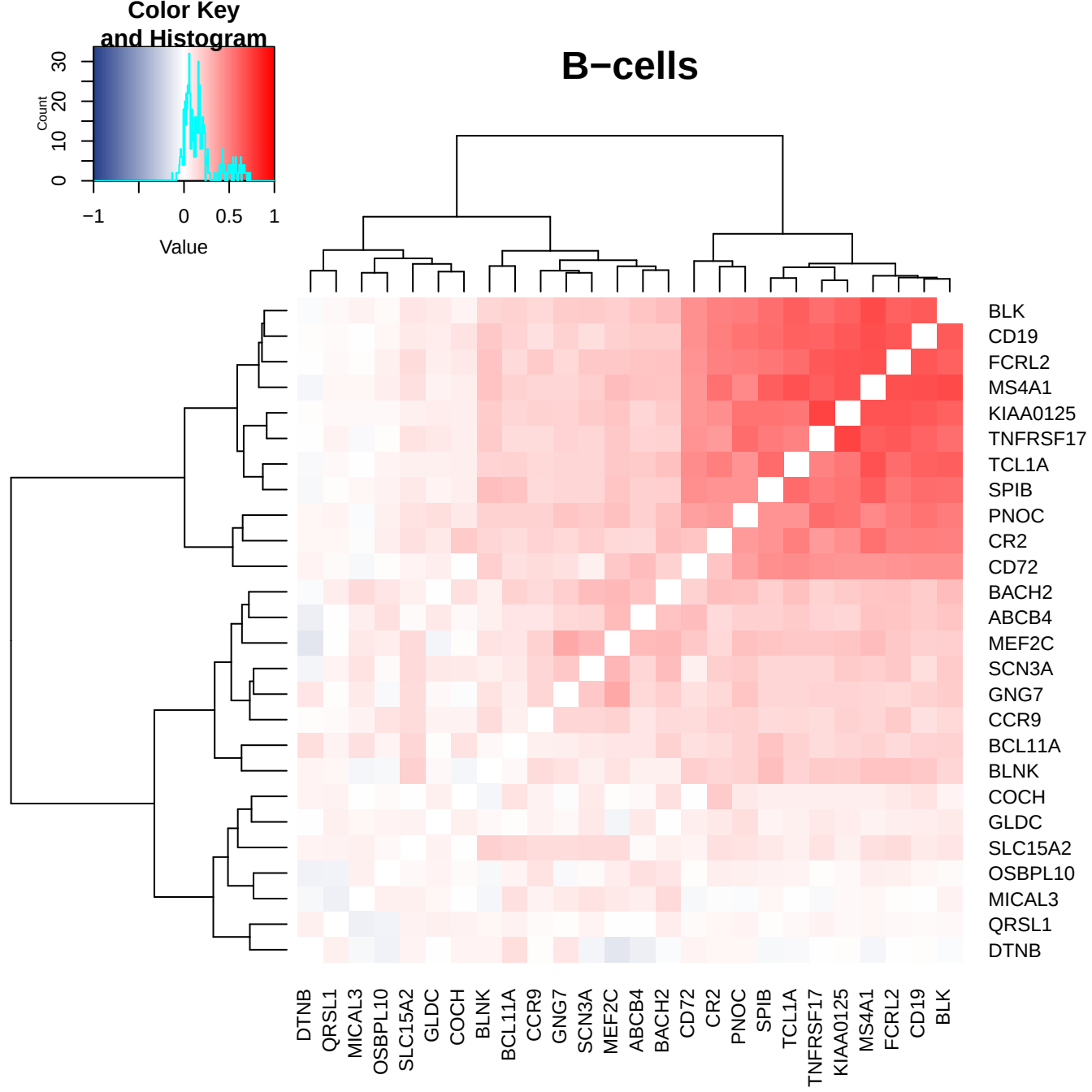

Tcm
Avg distance from other genes
Index
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
0
5
10
15
20
25
30
35
ATM
MLL
PHC3
CNX
CC030
TXK
CFP68
PDXDC2
FOXP1
CYorf15B
POLR2J2
SNRPN
RPP38
IMM8A

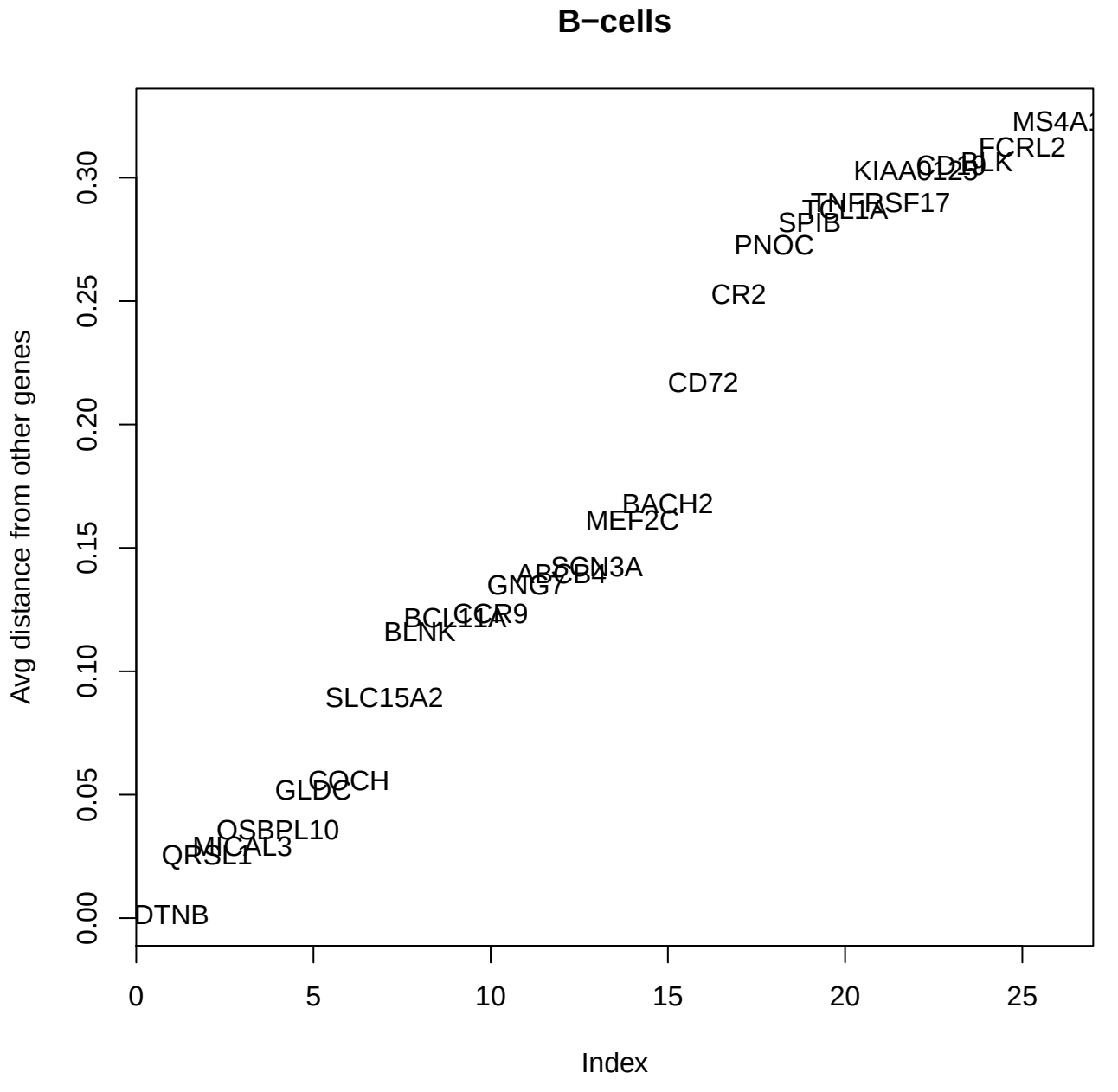

Color Key
and Histogram
Count
0
10
25
−1
0
0.5
1
Value
NK cells
FGF18
PDLIM4
TBXA2R
MRC2
LDB3
PRX
ADARB1
ZNF528
MCM3AP
BCL2
ZNF747
FUT5
TCTN2
TINAGL1
MAPRE3
ALDH1B1
SPN
NCR1
XCL2
XCL1
SMEK1
CDC5L
SLC30A5
FZR1
ZNF205
PSMD4
PSMD4
ZNF205
FZR1
SLC30A5
CDC5L
SMEK1
XCL1
XCL2
NCR1
SPN
ALDH1B1
MAPRE3
TINAGL1
TCTN2
FUT5
ZNF747
BCL2
MCM3AP
ZNF528
ADARB1
PRX
LDB3
MRC2
TBXA2R
PDLIM4
FGF18

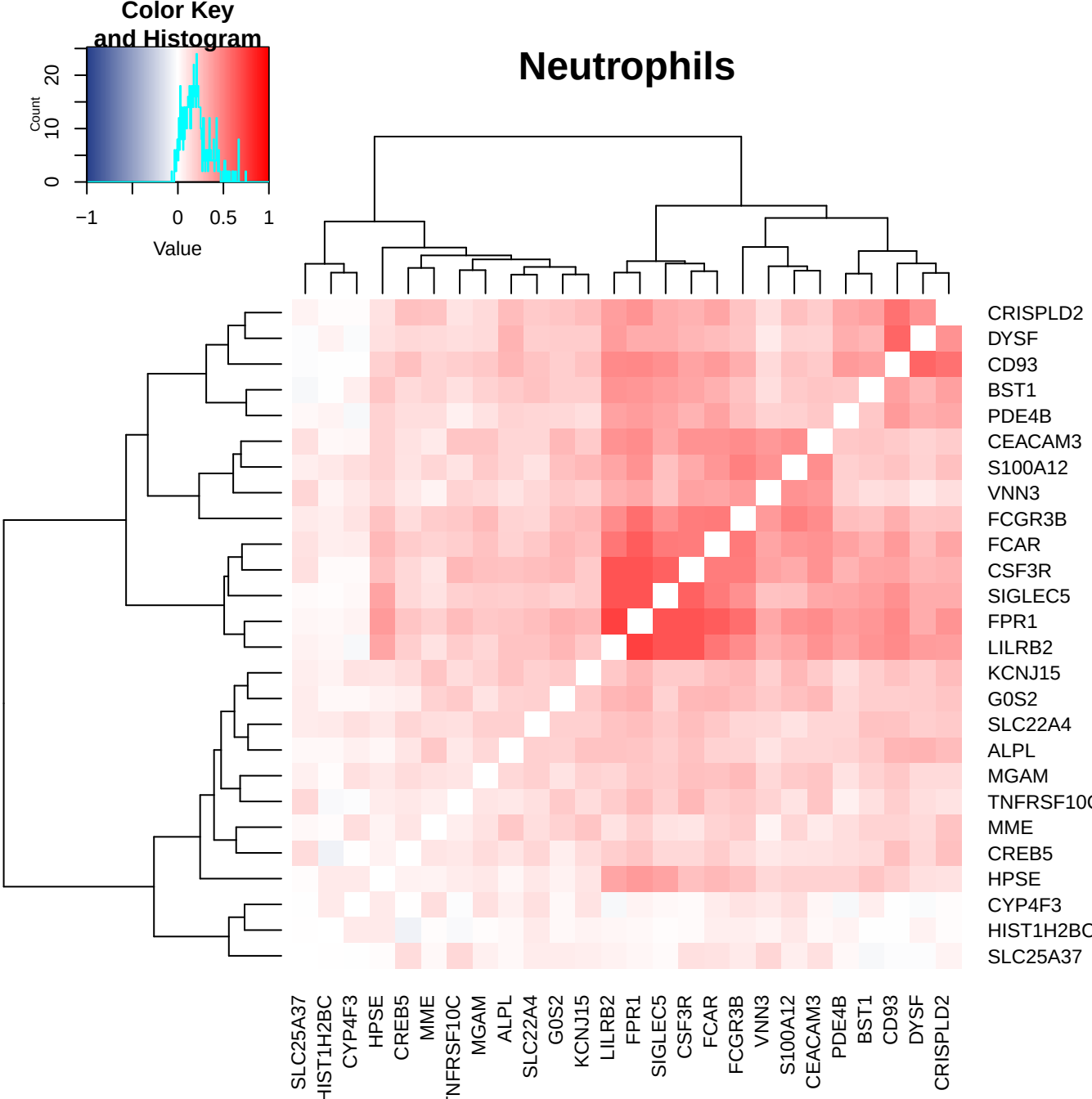

NK cells
Avg distance from other genes
Index
0.10
0.05
0.00
−0.05
0
5
10
15
20
25
MRC2
SPN
TBXA2R
ADARB1
XCL2
XCL1
FGF18
NCR1
BCL2
ZNF528
ZNF747
FZR1
MAPRE3
ZNF205
SMEK1
CDC5L
SLC30A5
SMD4

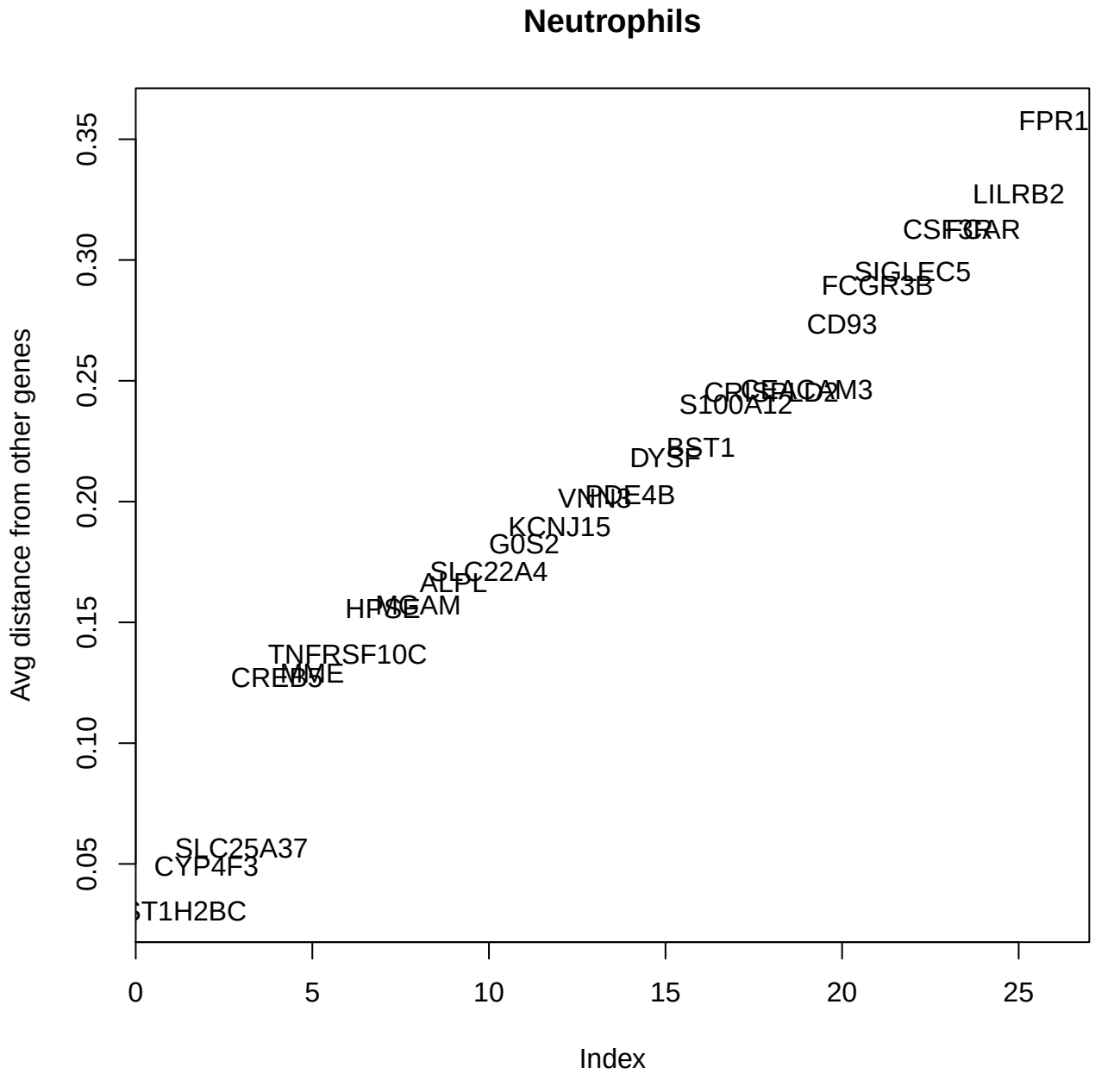

Th2 cells
Color Key
and Histogram
Count
0
10
25
−1
0
0.5
1
Value
HELLS
CDC7
WDHD1
CENPF
NEIL3
DHFR
CDC25C
BIRC5
SNRPD1
LIMA1
SLC39A14
AHI1
SMAD2
MICAL2
EVI5
PHEX
ANK1
MB
ADCY1
GSTA4
PTGIS
GATA3
LAIR2
IL26
CXCR6
CXCR6
IL26
LAIR2
GATA3
PTGIS
GSTA4
ADCY1
MB
ANK1
PHEX
EVI5
MICAL2
SMAD2
AHI1
SLC39A14
LIMA1
SNRPD1
BIRC5
CDC25C
DHFR
NEIL3
CENPF
WDHD1
CDC7
HELLS

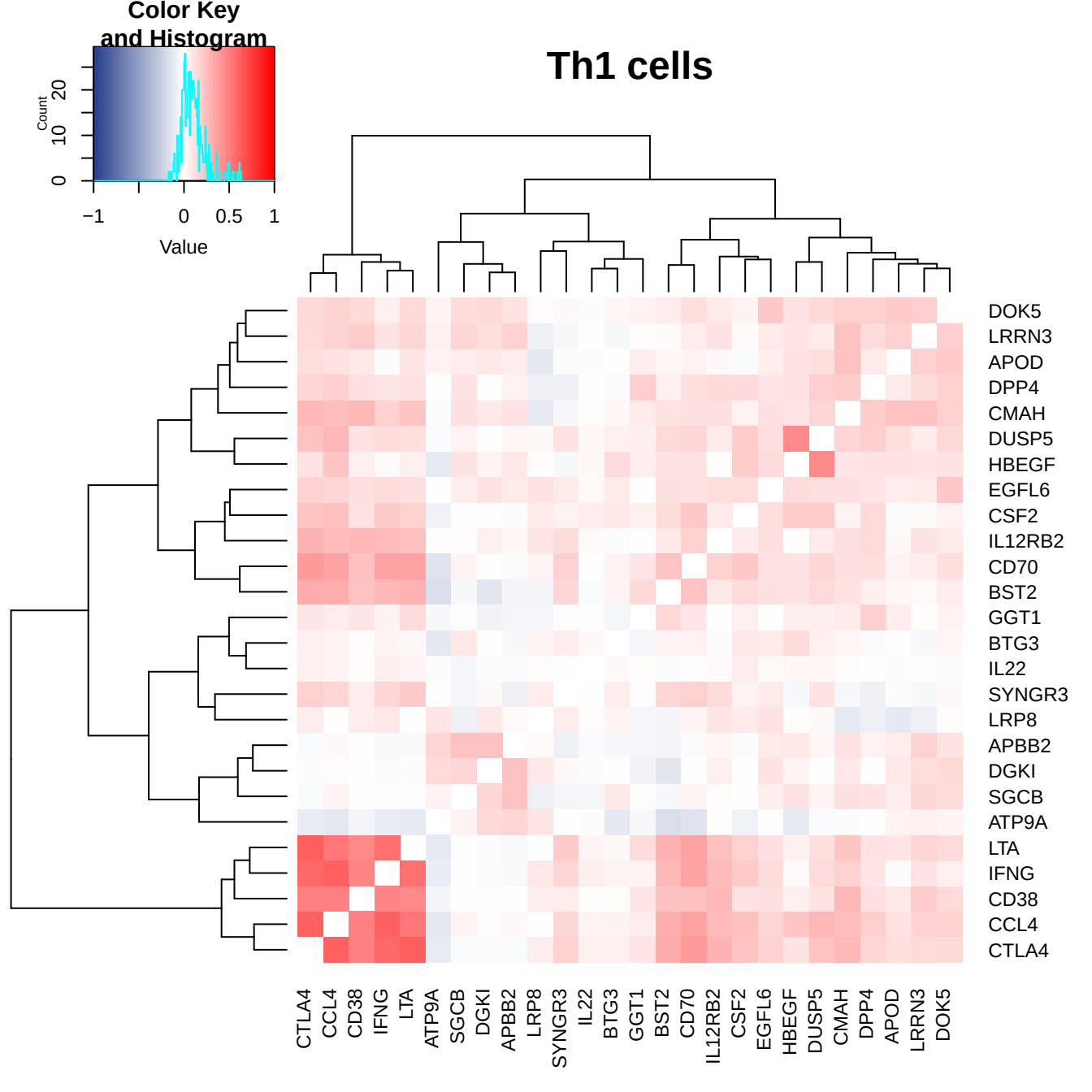

Th2 cells
Avg distance from other genes
Index
0.00
0.05
0.10
0.15
5
10
15
20
25
CDC7
NEIL3
CDC25C
DHFR
BIRC5
CXCR6
LIMA1
PHEX
EVI5
PTGIS
ADCYA1
GSTA4

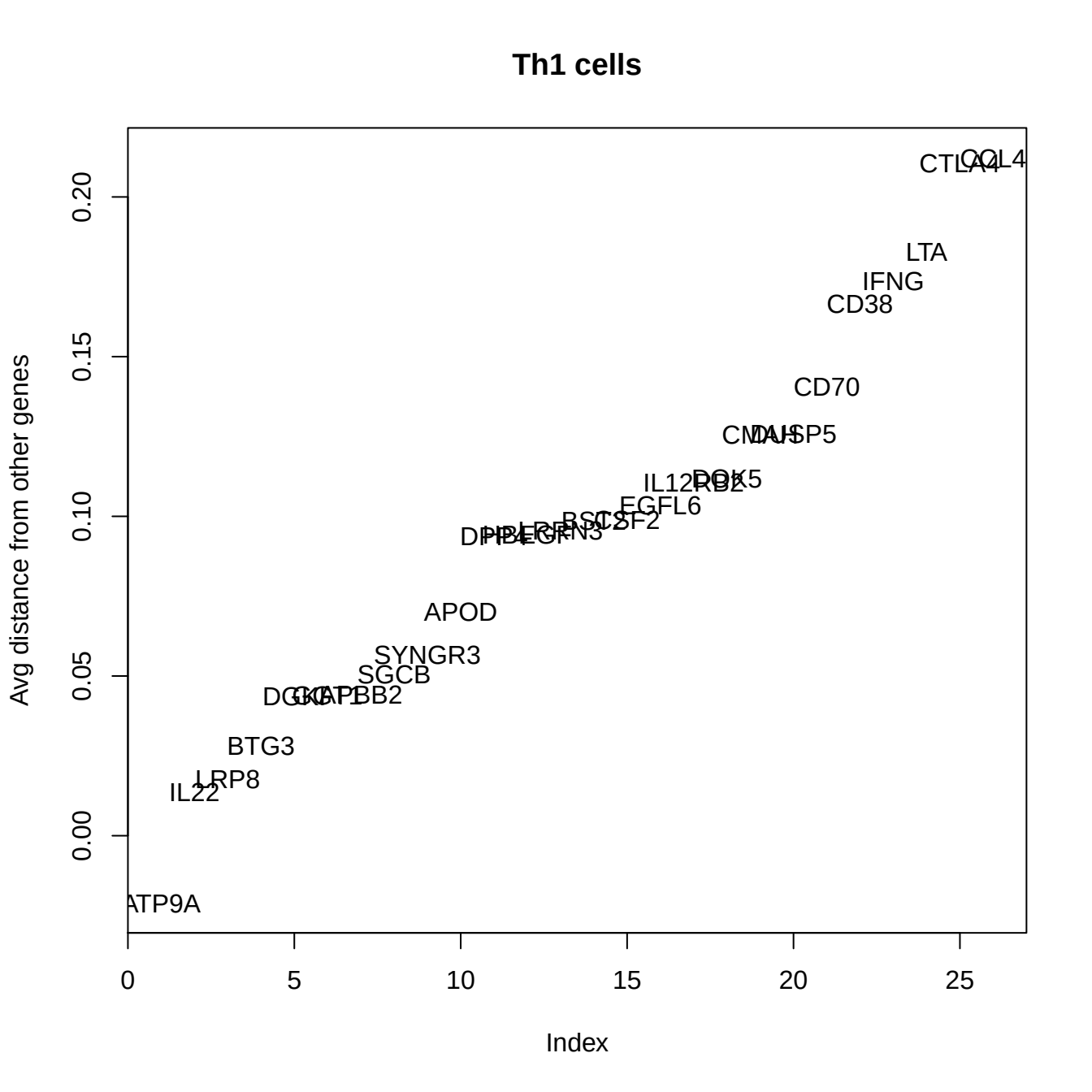

Color Key
and Histogram
Count
0
10
20
30
−1
0
0.5
1
Value
B−cells
BLK
CD19
FCRL2
MS4A1
KIAA0125
TNFRSF17
TCL1A
SPIB
PNOC
CR2
CD72
BACH2
ABCB4
MEF2C
SCN3A
GNG7
CCR9
BCL11A
BLNK
COCH
GLDC
SLC15A2
OSBPL10
MICAL3
QRSL1
DTNB
DTNB
QRSL1
MICAL3
OSBPL10
SLC15A2
GLDC
COCH
BLNK
BCL11A
CCR9
GNG7
SCN3A
MEF2C
ABCB4
BACH2
CD72
CR2
PNOC
SPIB
TCL1A
TNFRSF17
KIAA0125
MS4A1
FCRL2
CD19
BLK

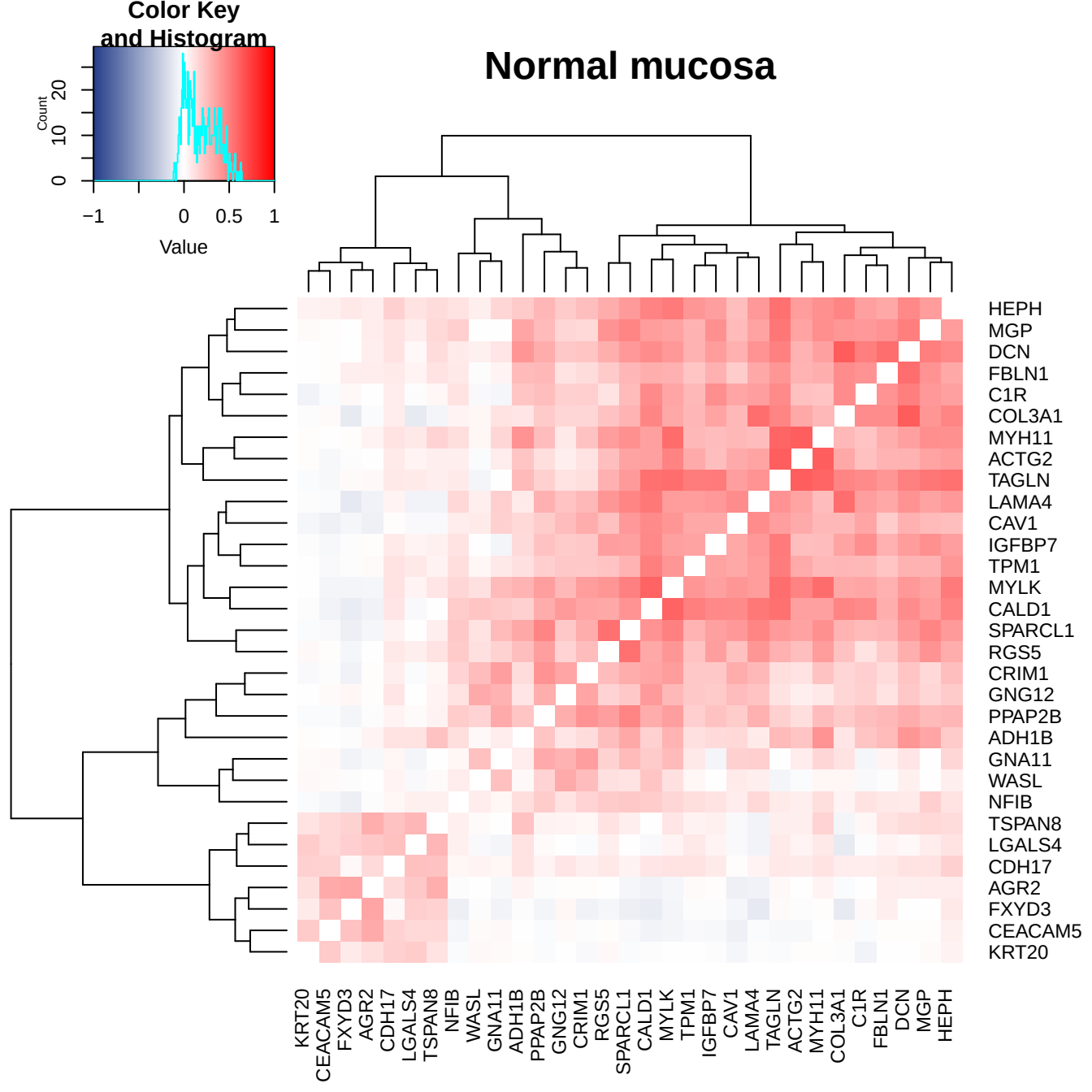

B−cells
Avg distance from other genes
Index
0.00
0.05
0.10
0.15
0.20
0.25
0.30
0
5
10
15
20
25
MS4A1
FCRL2
BLK
CD19
KIAA0125
TNFRSF17
TCL1A
SPIB
PNOC
CR2
CD72
BACH2
MEF2C
SCN3A
ABCB4
GNG7
CCR9
BCL11A
BLNK
SLC15A2
COCH
GLDC
OSBPL10
MICAL3
QRSL1
DTNB

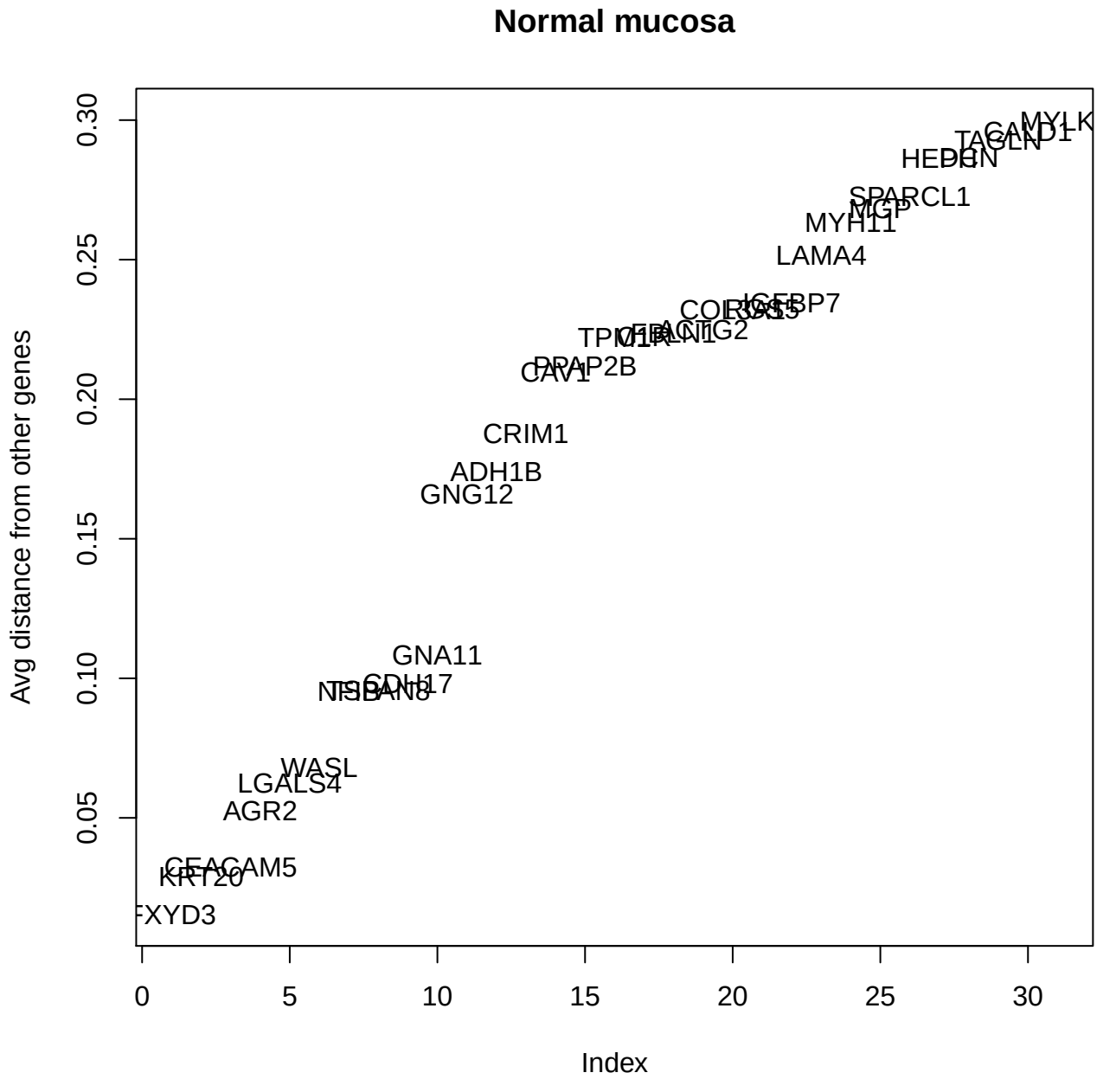

Color Key
and Histogram
Count
0
10
20
−1
0
0.5
1
Value
Neutrophils
CRISPLD2
DYSF
CD93
BST1
PDE4B
CEACAM3
S100A12
VNN3
FCGR3B
FCAR
CSF3R
SIGLEC5
FPR1
LILRB2
KCNJ15
G0S2
SLC22A4
ALPL
MGAM
TNFRSF10C
MME
CREB5
HPSE
CYP4F3
HIST1H2BC
SLC25A37
SLC25A37
HIST1H2BC
CYP4F3
HPSE
CREB5
MME
TNFRSF10C
MGAM
ALPL
SLC22A4
G0S2
KCNJ15
LILRB2
FPR1
SIGLEC5
CSF3R
FCAR
FCGR3B
VNN3
S100A12
CEACAM3
PDE4B
BST1
CD93
DYSF
CRISPLD2

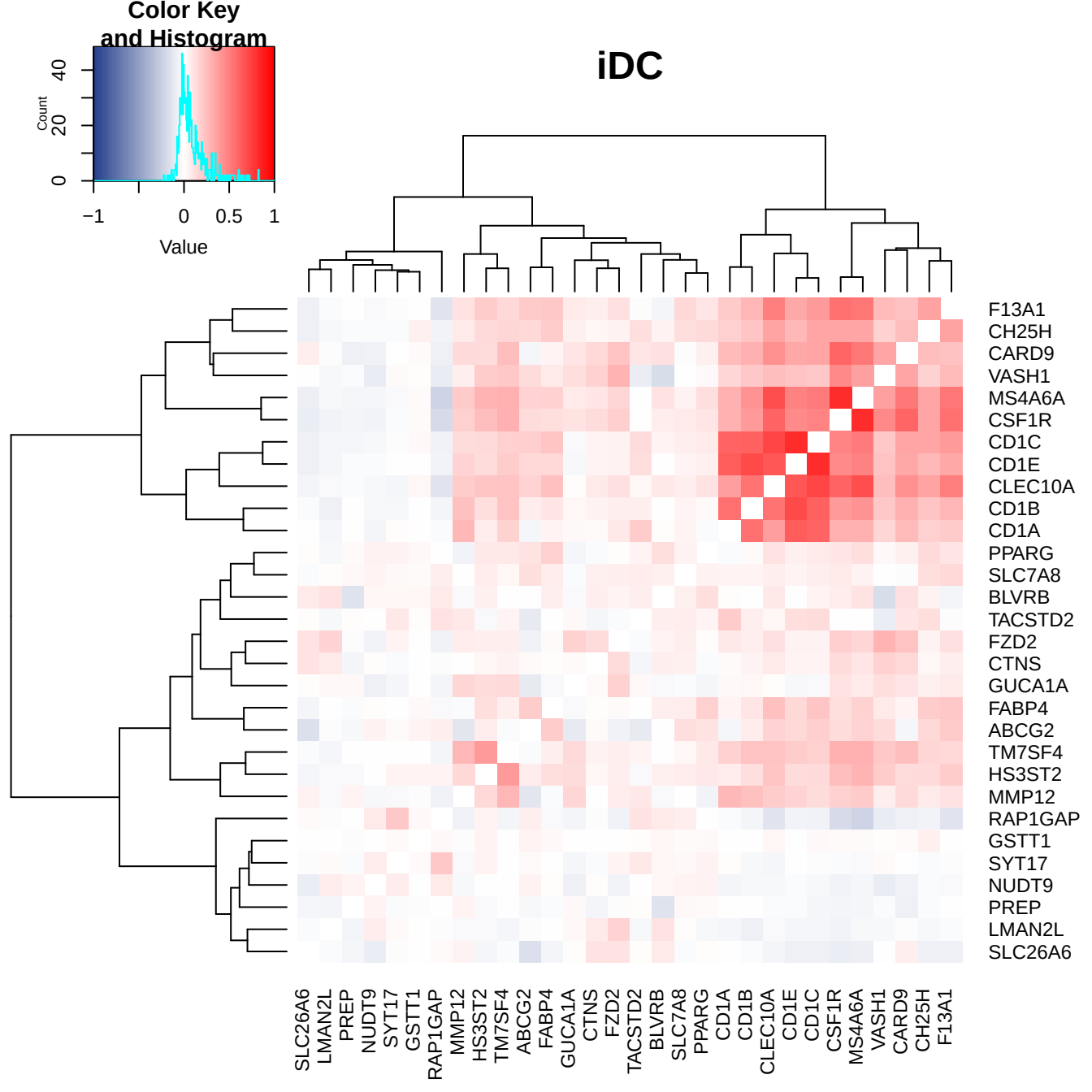

Neutrophils
Avg distance from other genes
Index
0.05
0.10
0.15
0.20
0.25
0.30
0.35
0
5
10
15
20
25
FPR1
LILRB2
CSF3R
SIGLEC5
FCGR3B
CD93
S100A12
BST1
DYSF
PDE4B
KCNJ15
G0S2
SLC22A4
ALPL
TNFRSF10C
SLC25A37
CYP4F3

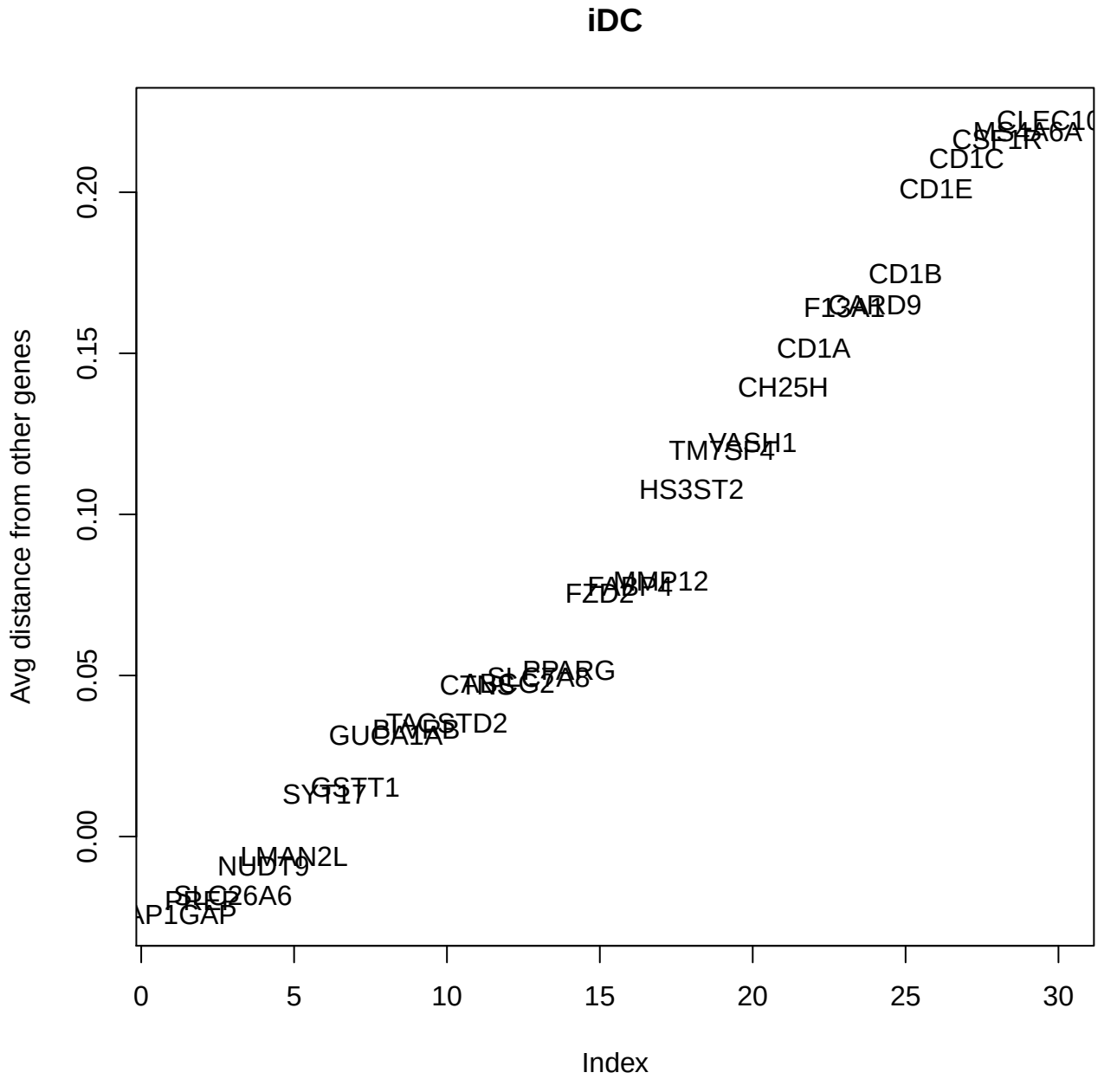

Color Key
and Histogram
Count
0
10
20
−1
0
0.5
1
Value
Th1 cells
DOK5
LRRN3
APOD
DPP4
CMAH
DUSP5
HBEGF
EGFL6
CSF2
IL12RB2
CD70
BST2
GGT1
BTG3
IL22
SYNGR3
LRP8
APBB2
DGKI
SGCB
ATP9A
LTA
IFNG
CD38
CCL4
CTLA4
CTLA4
CCL4
CD38
IFNG
LTA
ATP9A
SGCB
DGKI
APBB2
LRP8
SYNGR3
IL22
BTG3
GGT1
BST2
CD70
IL12RB2
CSF2
EGFL6
HBEGF
DUSP5
CMAH
DPP4
APOD
LRRN3
DOK5

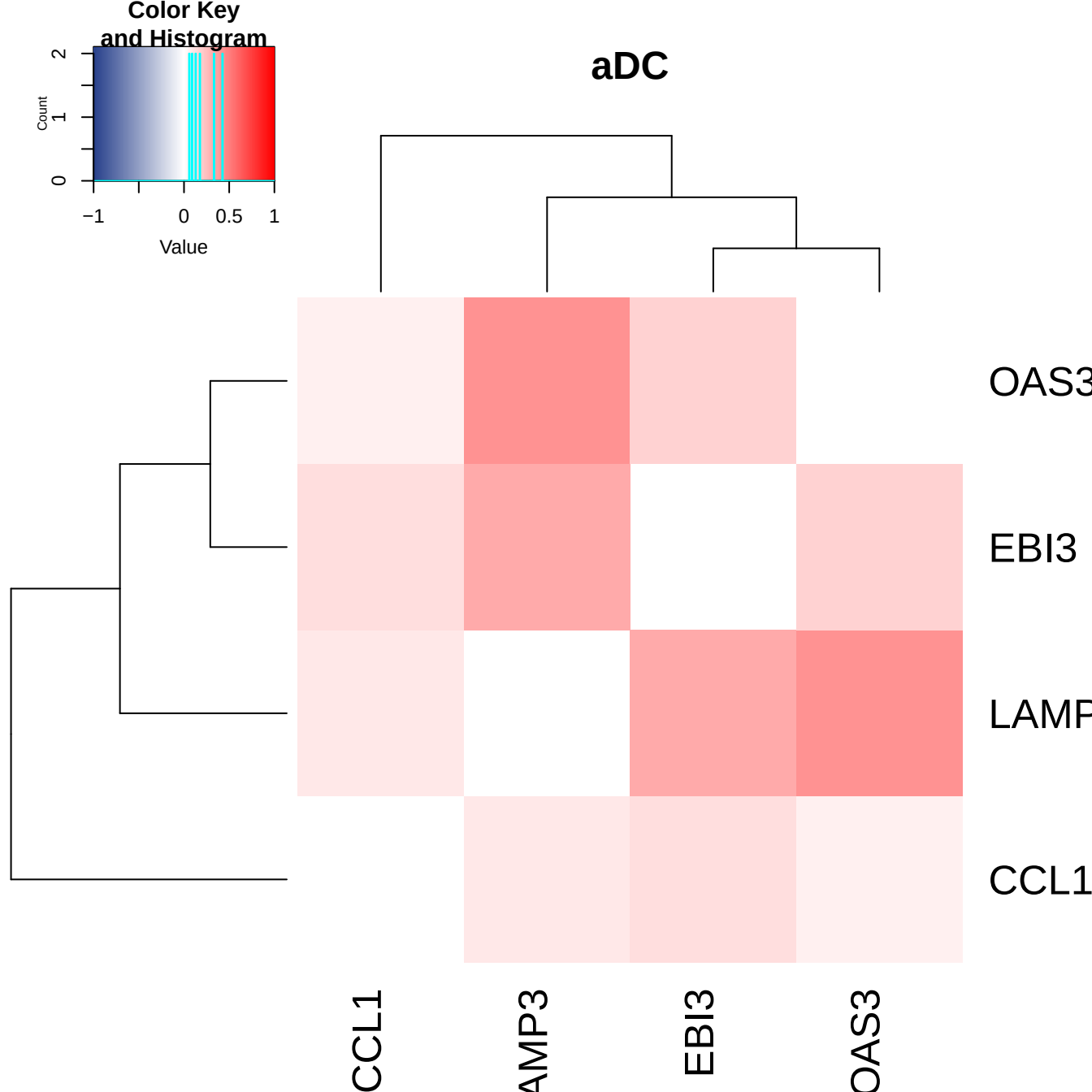

Th1 cells
Avg distance from other genes
Index
0.00
0.05
0.10
0.15
0.20
0
5
10
15
20
25
CTLA4
CCL4
LTA
IFNG
CD38
CD70
CMAH
DUSP5
IL12RB2
DOK5
EGFL6
CSF2
APOD
SYNGR3
SGCB
BTG3
LRP8
IL22
ATP9A

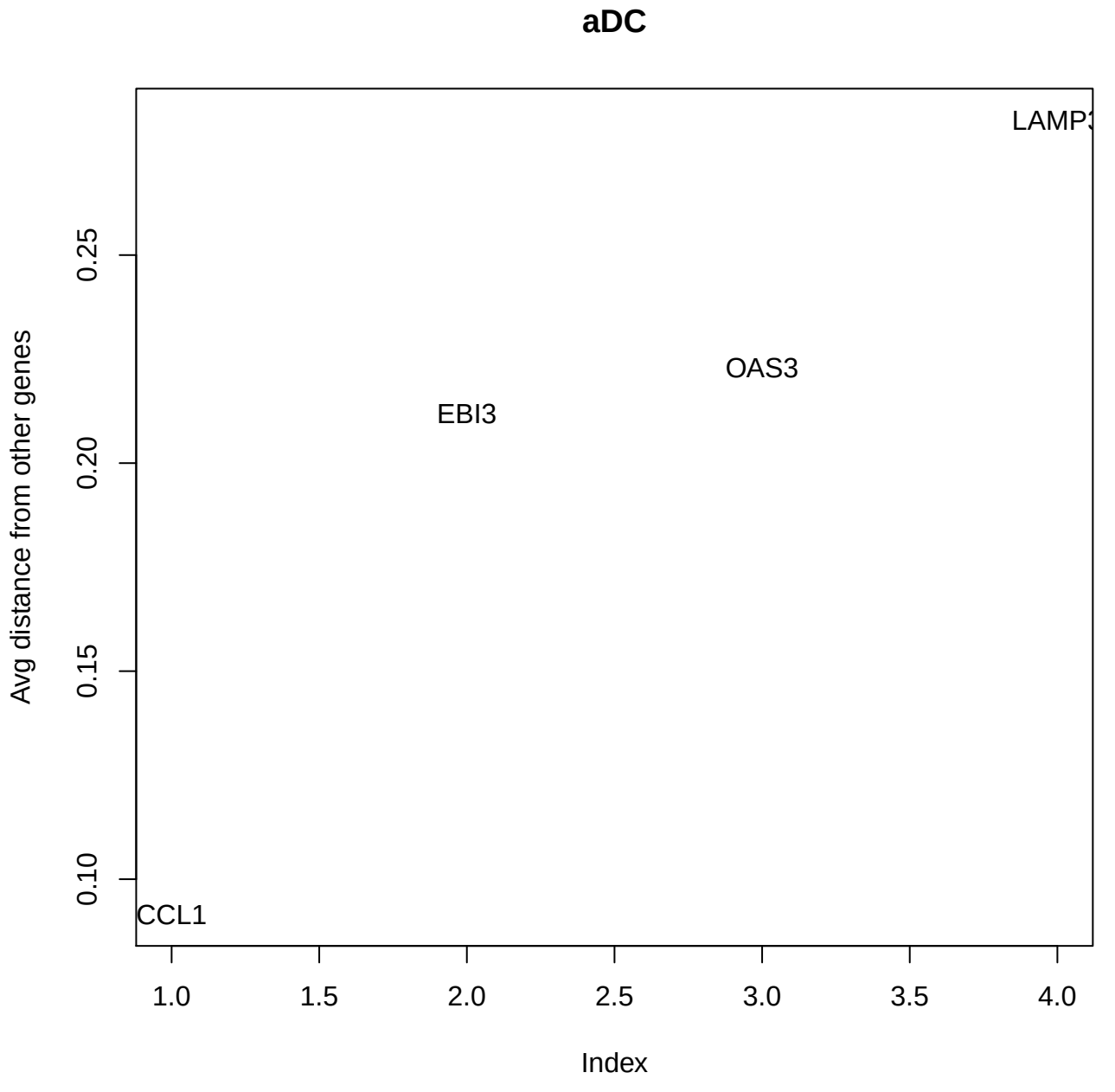

Color Key
and Histogram
Count
0
10
20
−1
0
0.5
1
Value
Normal mucosa
HEPH
MGP
DCN
FBLN1
C1R
COL3A1
MYH11
ACTG2
TAGLN
LAMA4
CAV1
IGFBP7
TPM1
MYLK
CALD1
SPARCL1
RGS5
CRIM1
GNG12
PPAP2B
ADH1B
GNA11
WASL
NFIB
TSPAN8
LGALS4
CDH17
AGR2
FXYD3
CEACAM5
KRT20
KRT20
CEACAM5
FXYD3
AGR2
CDH17
LGALS4
TSPAN8
NFIB
WASL
GNA11
ADH1B
PPAP2B
GNG12
CRIM1
RGS5
SPARCL1
CALD1
MYLK
TPM1
IGFBP7
CAV1
LAMA4
TAGLN
ACTG2
MYH11
COL3A1
C1R
FBLN1
DCN
MGP
HEPH

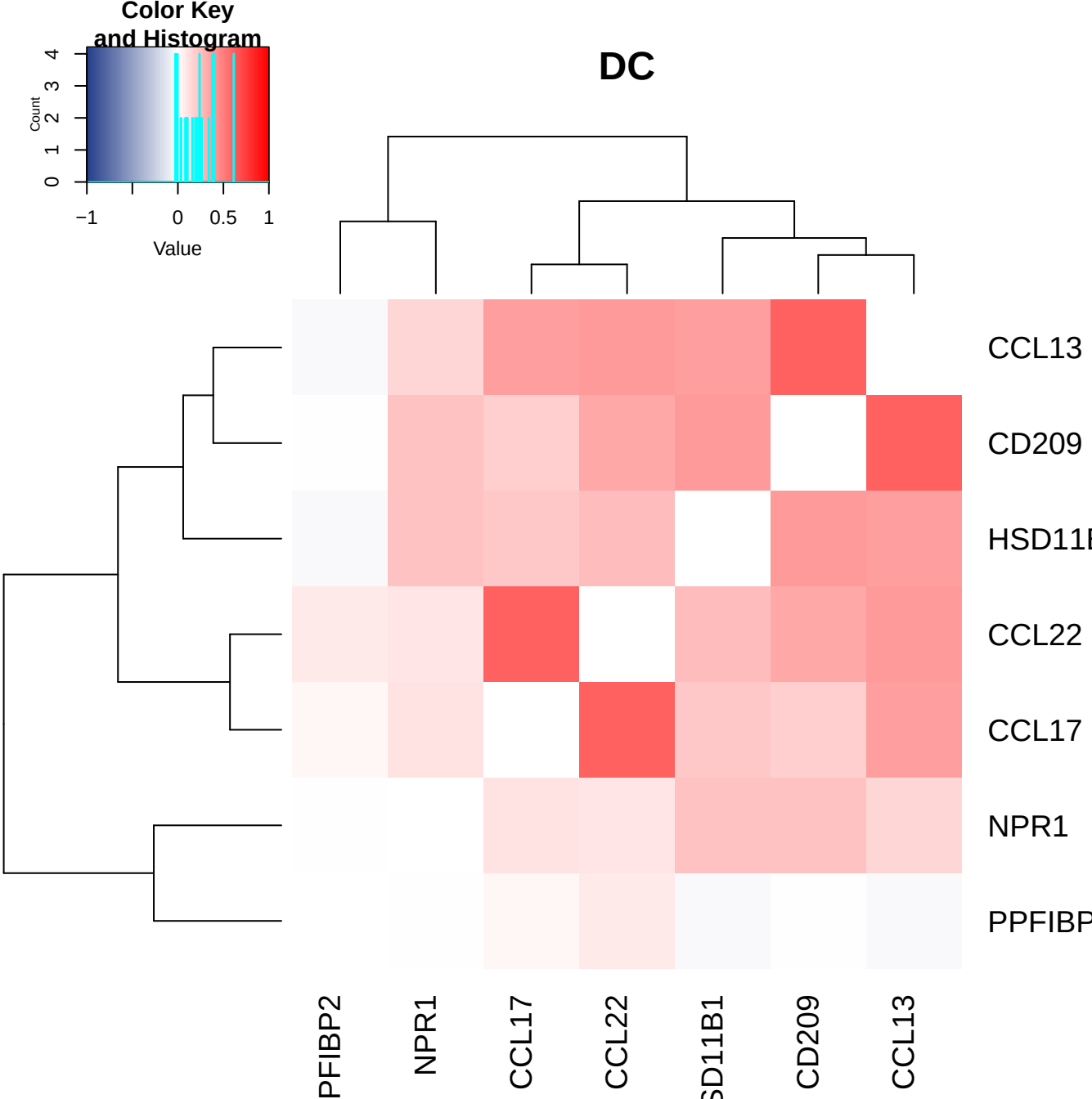

Normal mucosa
Avg distance from other genes
Index
0.05
0.10
0.15
0.20
0.25
0.30
0
5
10
15
20
25
30
MYLK
CAMD1
TAGLN
HEPH
SPARCL1
MGP
MYH11
LAMA4
IGFBP7
CAV1
CRIM1
ADH1B
GNG12
GNA11
WASL
LGALS4
AGR2
CEACAM5
KRT20
FXYD3

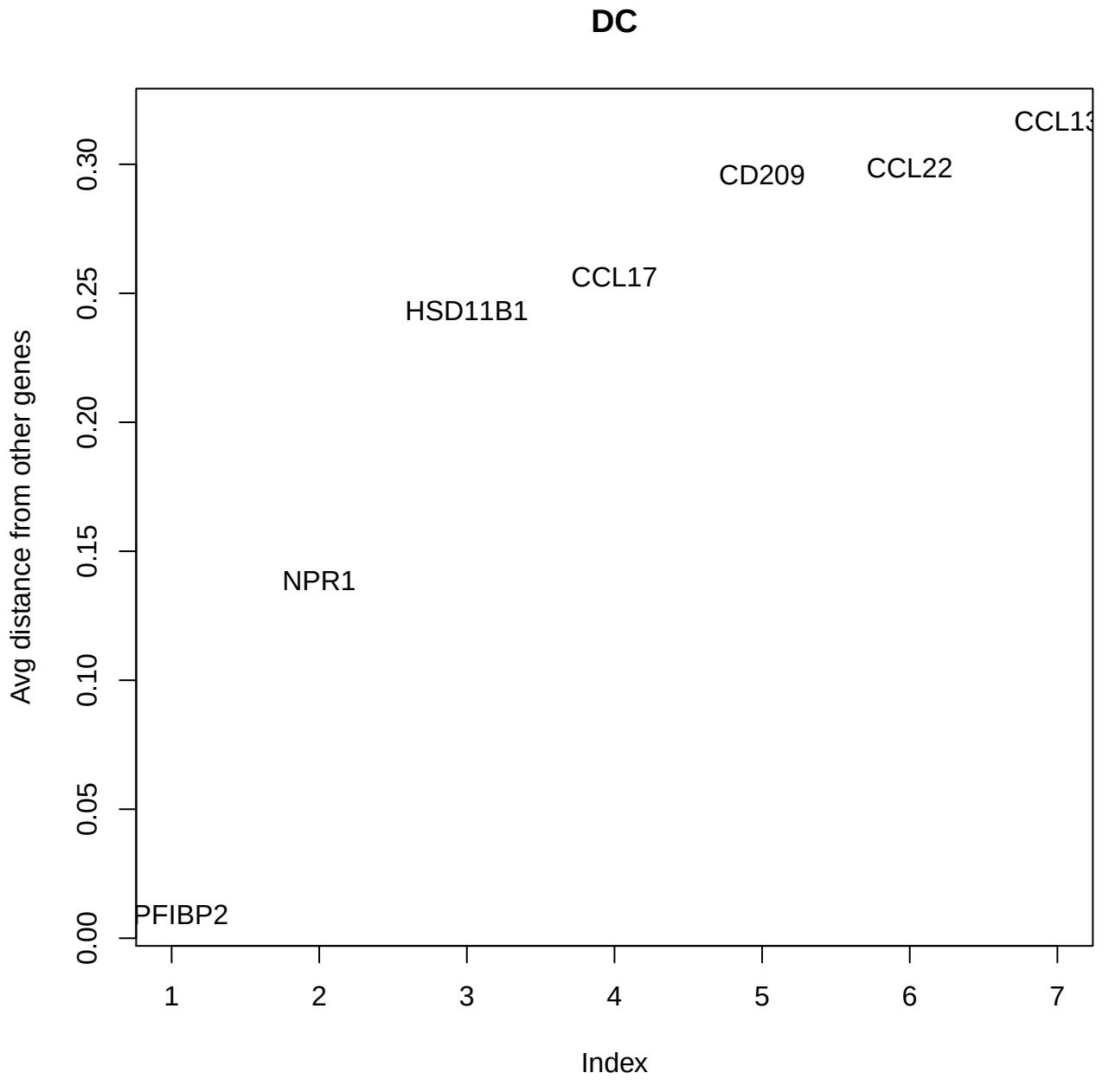

Color Key
and Histogram
Count
0
20
40
−1
0
0.5
1
Value
iDC
F13A1
CH25H
CARD9
VASH1
MS4A6A
CSF1R
CD1C
CD1E
CLEC10A
CD1B
CD1A
PPARG
SLC7A8
BLVRB
TACSTD2
FZD2
CTNS
GUCA1A
FABP4
ABCG2
TM7SF4
HS3ST2
MMP12
RAP1GAP
GSTT1
SYT17
NUDT9
PREP
LMAN2L
SLC26A6
SLC26A6
LMAN2L
PREP
NUDT9
SYT17
GSTT1
RAP1GAP
MMP12
HS3ST2
TM7SF4
ABCG2
FABP4
GUCA1A
CTNS
FZD2
TACSTD2
BLVRB
SLC7A8
PPARG
CD1A
CD1B
CLEC10A
CD1E
CD1C
CSF1R
MS4A6A
VASH1
CARD9
CH25H
F13A1

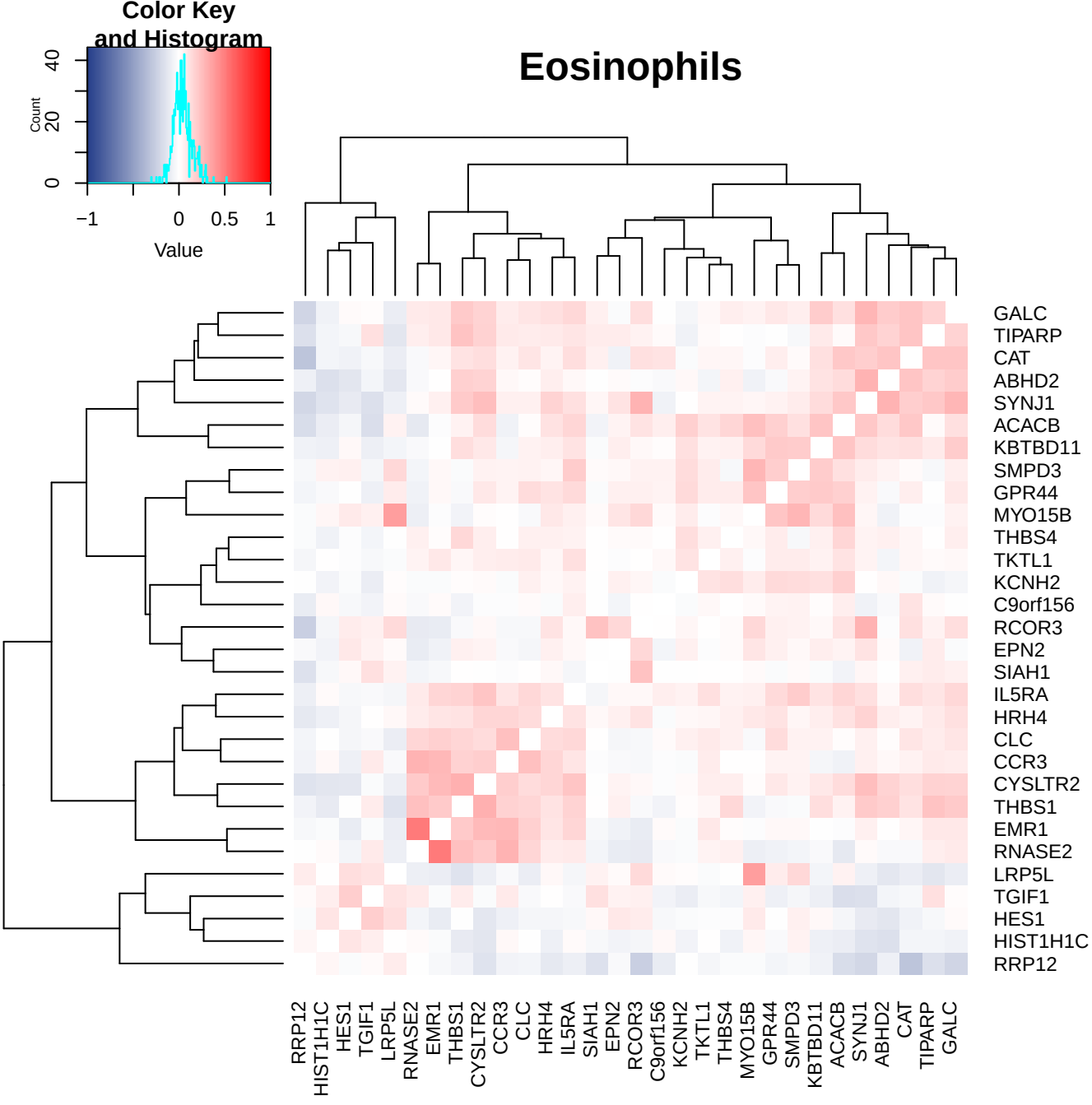

iDC
Avg distance from other genes
Index
0.00
0.05
0.10
0.15
0.20
0
5
10
15
20
25
30
CLEC10
MS4A6A
CSF1R
CD1C
CD1E
CD1B
F13A1
CARD9
CD1A
CH25H
VASH1
TMYSP4
HS3ST2
MMP12
FABP4
FZD2
PPARG
SLC5A8
CANX
TAGLN2
STD2
GUCA1A
GSTT1
SYT17
LMAN2L
NUDT9
SLC26A6
PRF1
AP1GAP

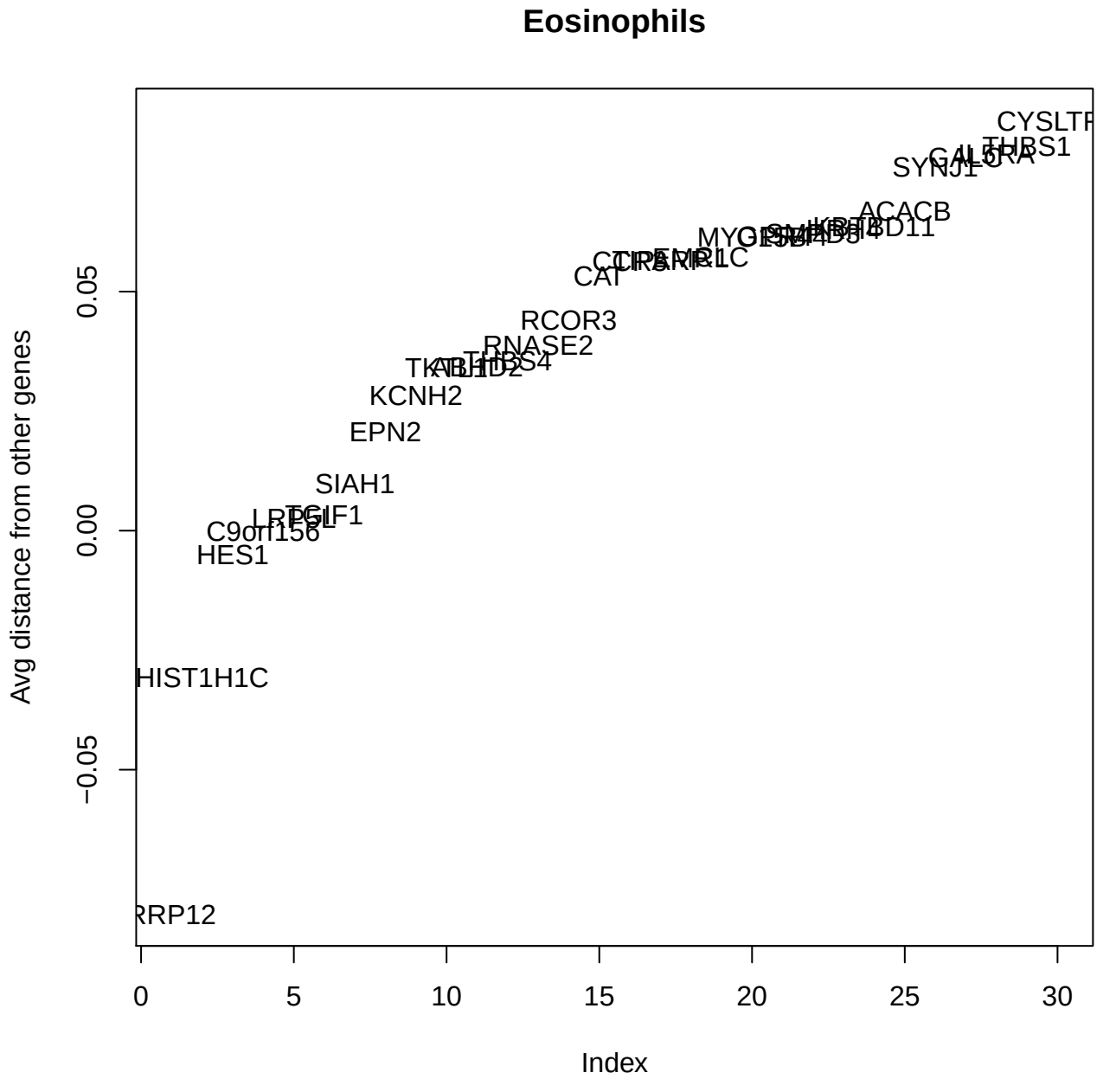

Color Key
and Histogram
Count
0
1
2
−1
0
0.5
1
Value
aDC
OAS3
EBI3
LAMP
CCL1
CCL1
AMP3
EBI3
OAS3

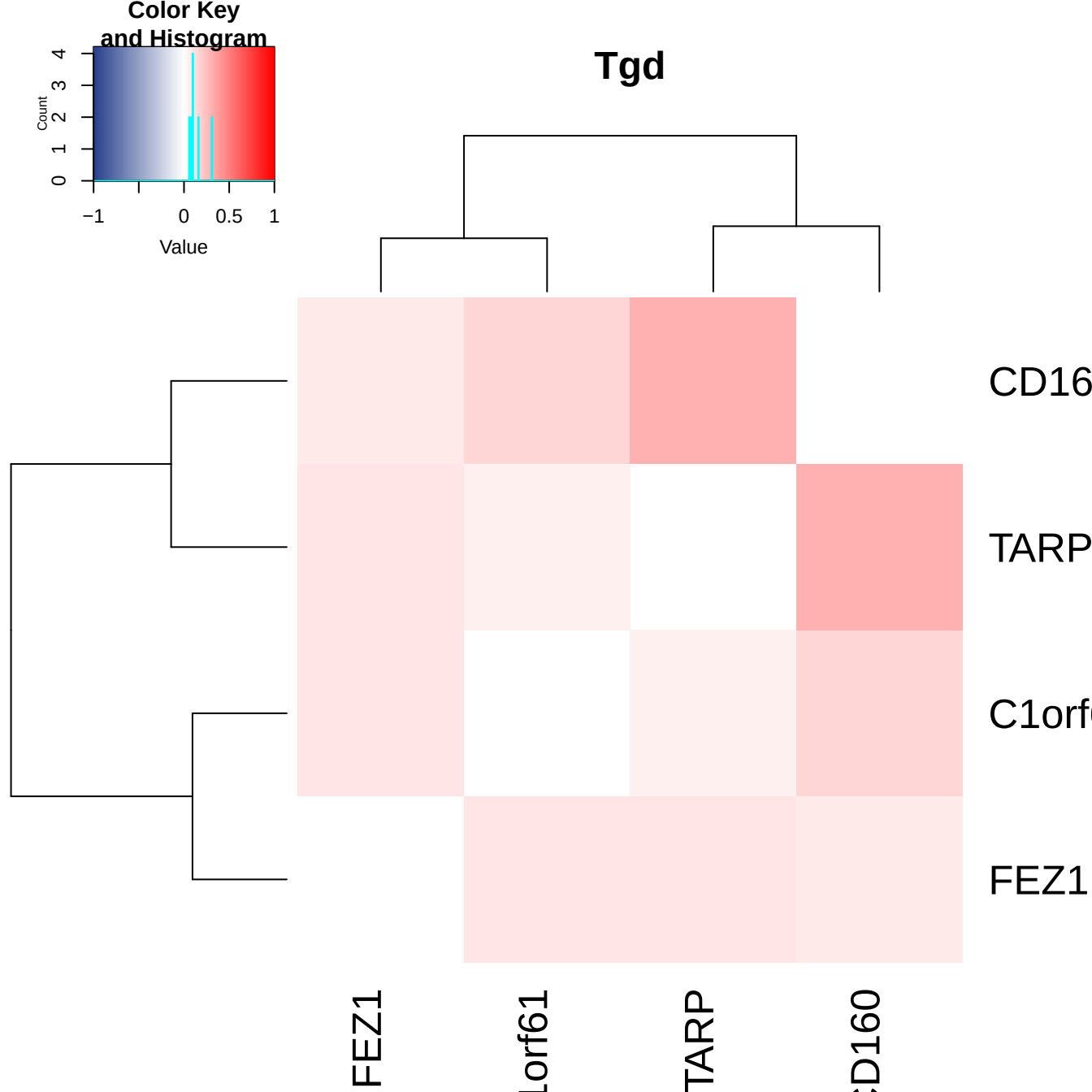

aDC
LAMP3
OAS3
EBI3
CCL1
0.10
0.15
0.20
0.25
Avg distance from other genes
1.0
1.5
2.0
2.5
3.0
3.5
4.0
Index

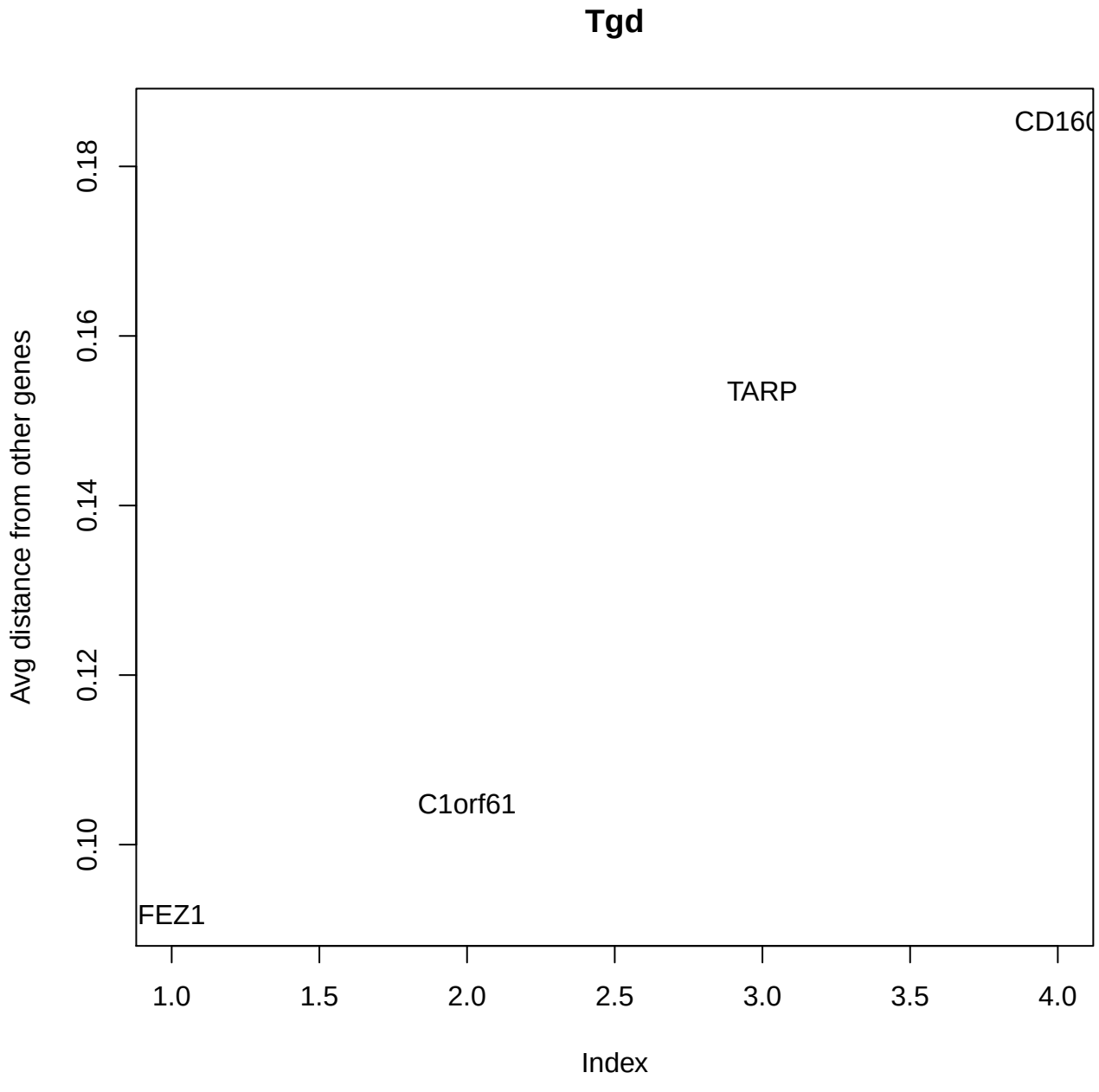

Color Key
and Histogram
Count
0
1
2
3
4
−1
0
0.5
1
Value
DC
CCL13
CD209
HSD11B
CCL22
CCL17
NPR1
PPFIBP
PPFIBP2
NPR1
CCL17
CCL22
HSD11B1
CD209
CCL13

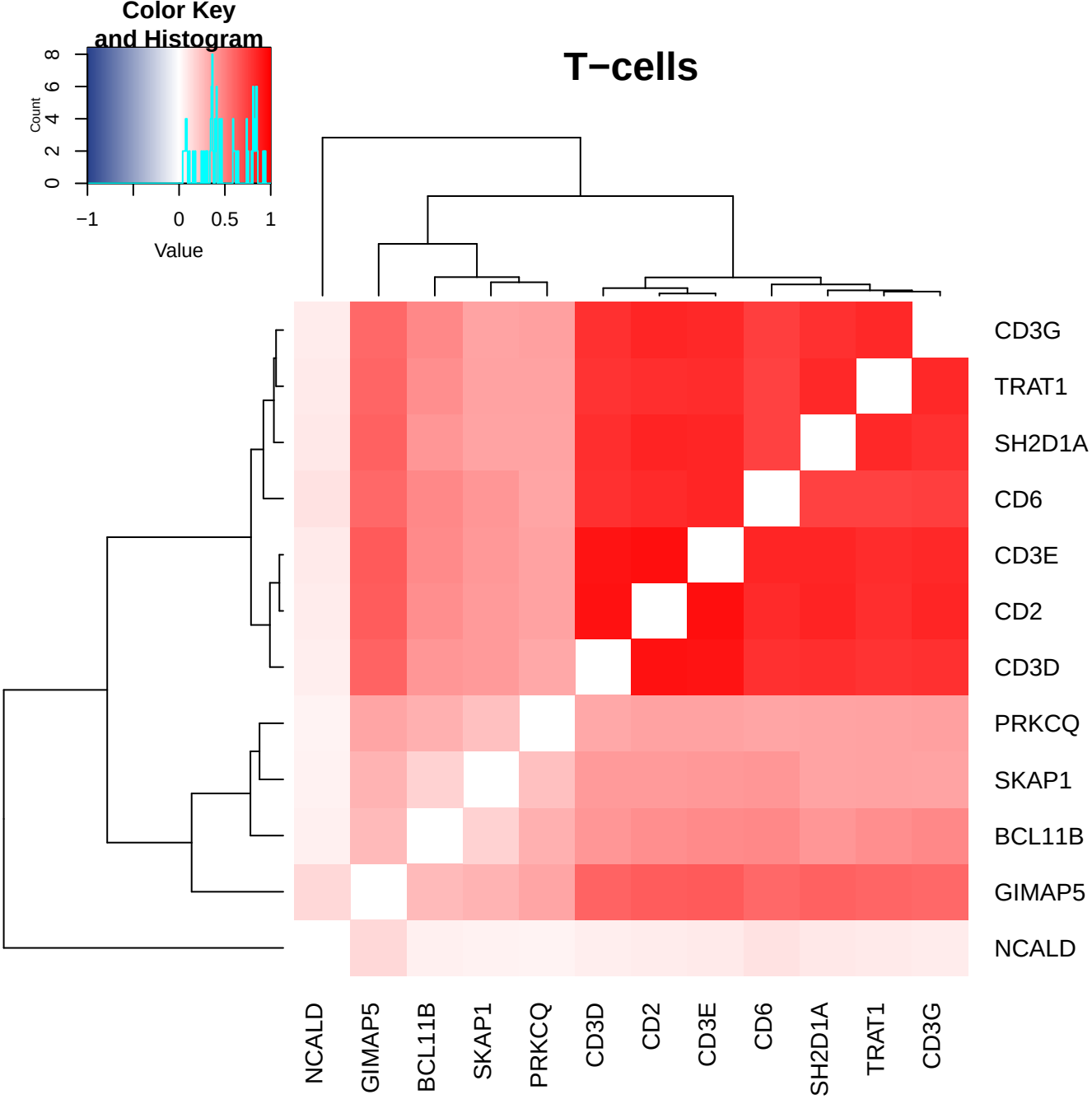

DC
Avg distance from other genes
0.00
0.05
0.10
0.15
0.20
0.25
0.30
PFIBP2
NPR1
HSD11B1
CCL17
CD209
CCL22
CCL13
1
2
3
4
5
6
7
Index

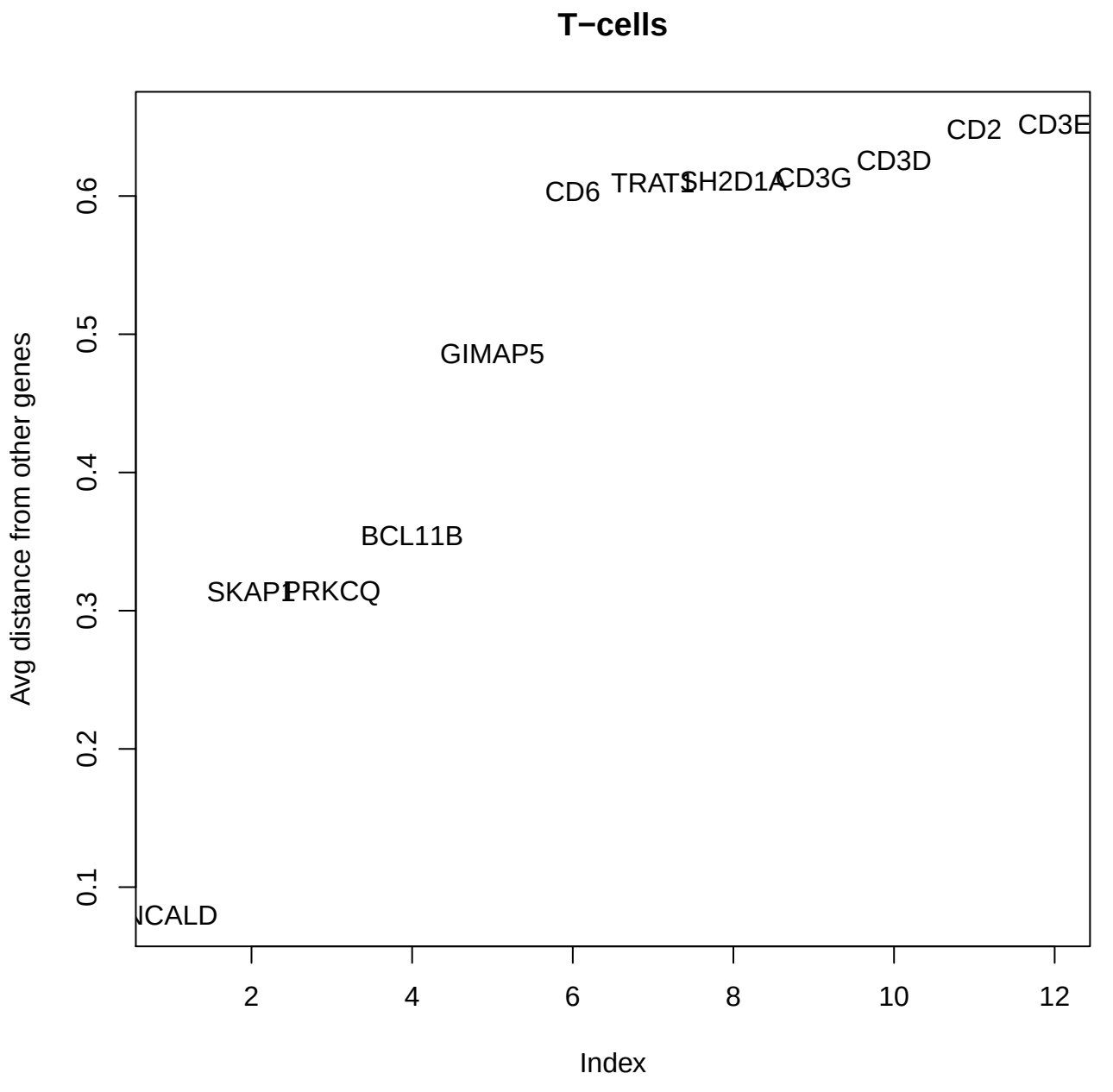

Color Key
and Histogram
Count
0
20
40
−1
0
0.5
1
Value
Eosinophils
GALC
TIPARP
CAT
ABHD2
SYNJ1
ACACB
KBTBD11
SMPD3
GPR44
MYO15B
THBS4
TKTL1
KCNH2
C9orf156
RCOR3
EPN2
SIAH1
IL5RA
HRH4
CLC
CCR3
CYSLTR2
THBS1
EMR1
RNASE2
LRP5L
TGIF1
HES1
HIST1H1C
RRP12
RRP12
HIST1H1C
HES1
TGIF1
LRP5L
RNASE2
EMR1
THBS1
CYSLTR2
CCR3
CLC
HRH4
IL5RA
SIAH1
EPN2
RCOR3
C9orf156
KCNH2
TKTL1
THBS4
MYO15B
GPR44
SMPD3
KBTBD11
ACACB
SYNJ1
ABHD2
CAT
TIPARP
GALC

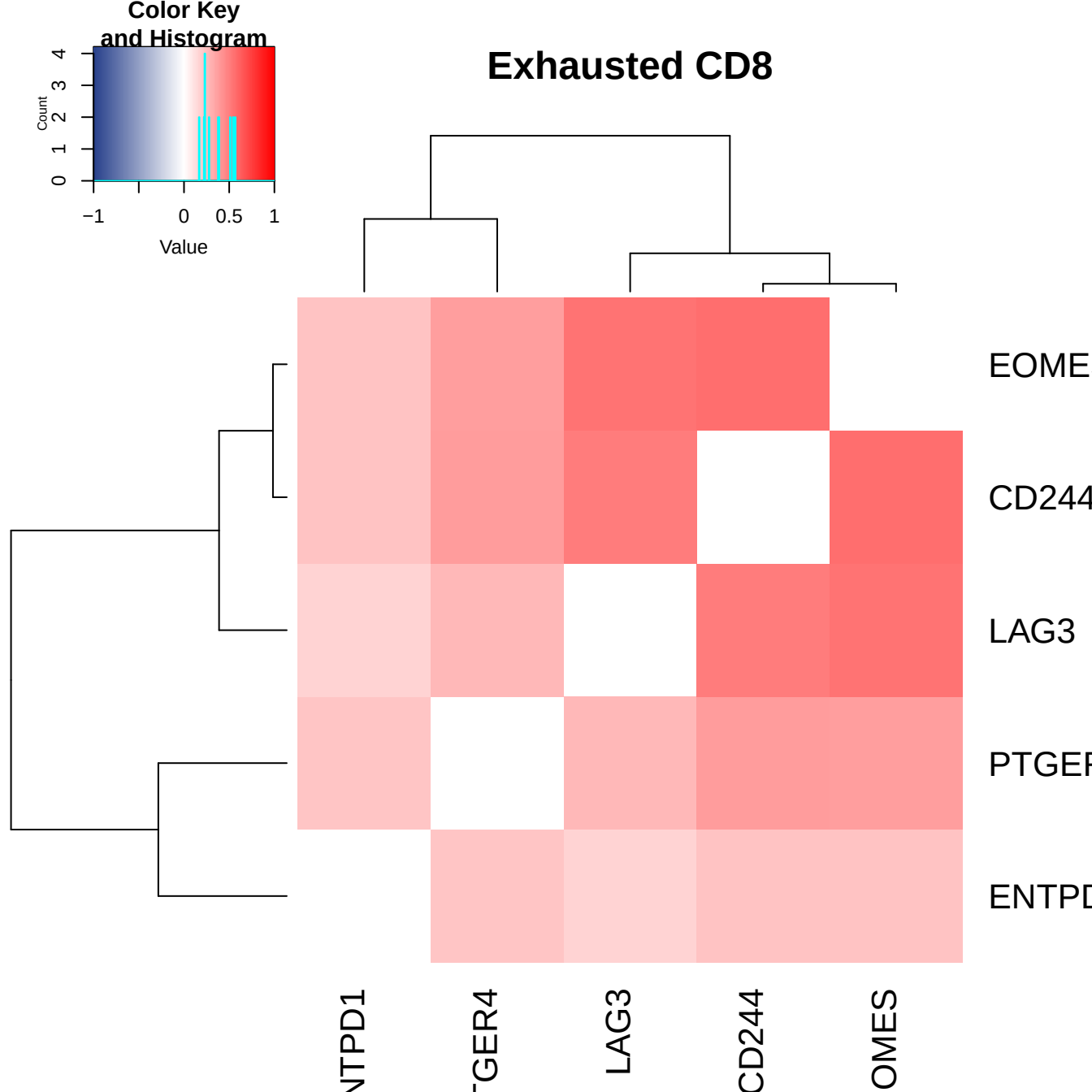

Eosinophils
Avg distance from other genes
Index
0.05
0.00
−0.05
0
5
10
15
20
25
30
CYSLTR
THBS1
SYNJ1
ACACB
CAT
RCOR3
RNASE2
KCNH2
EPN2
SIAH1
C9orf156
HES1
HIST1H1C
RRP12

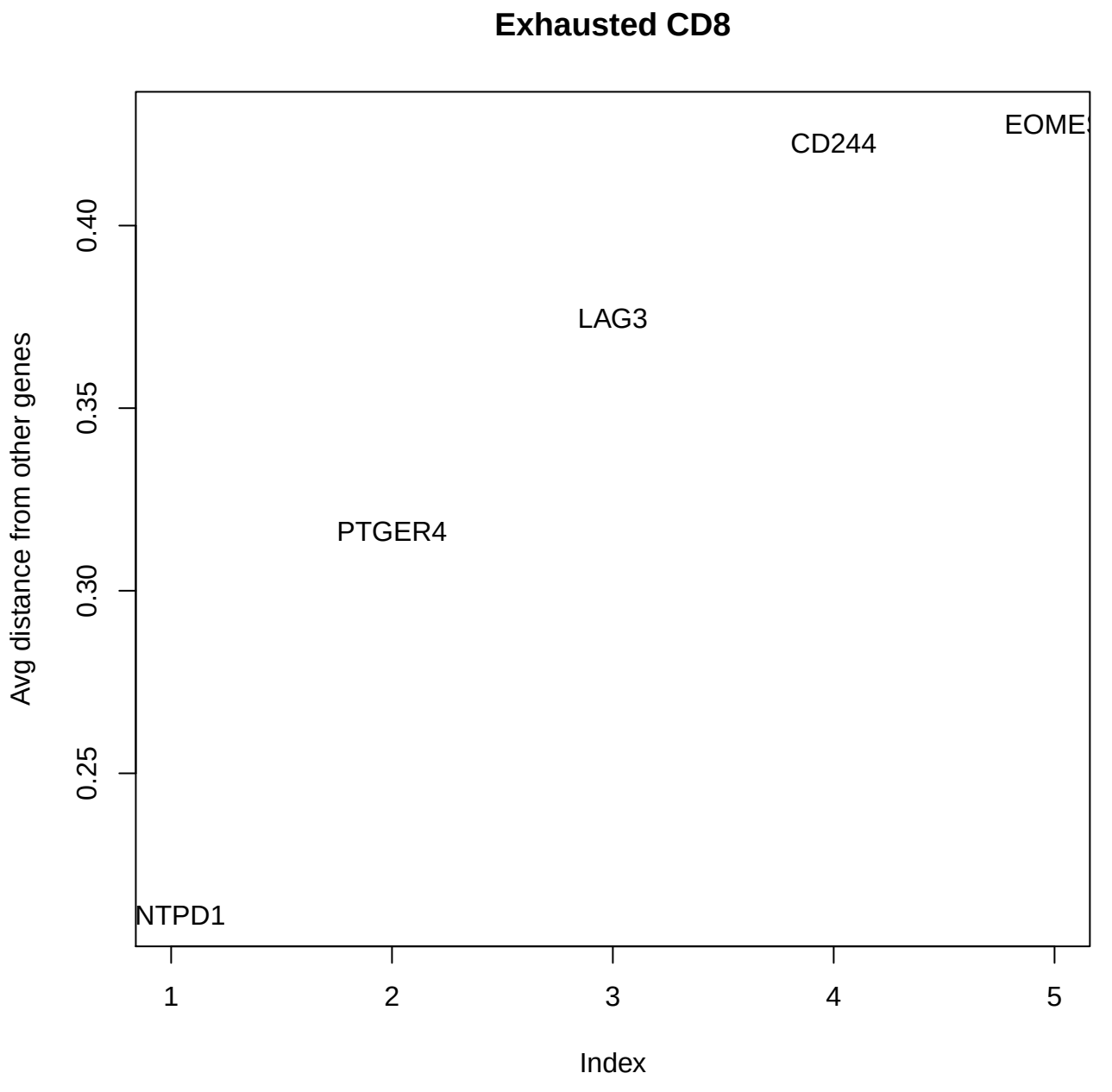

Color Key
and Histogram
Count
0
1
2
3
4
−1
0
0.5
1
Value
Tgd
CD16
TARP
C1orf
FEZ1
FEZ1
Lorf61
TARP
CD160

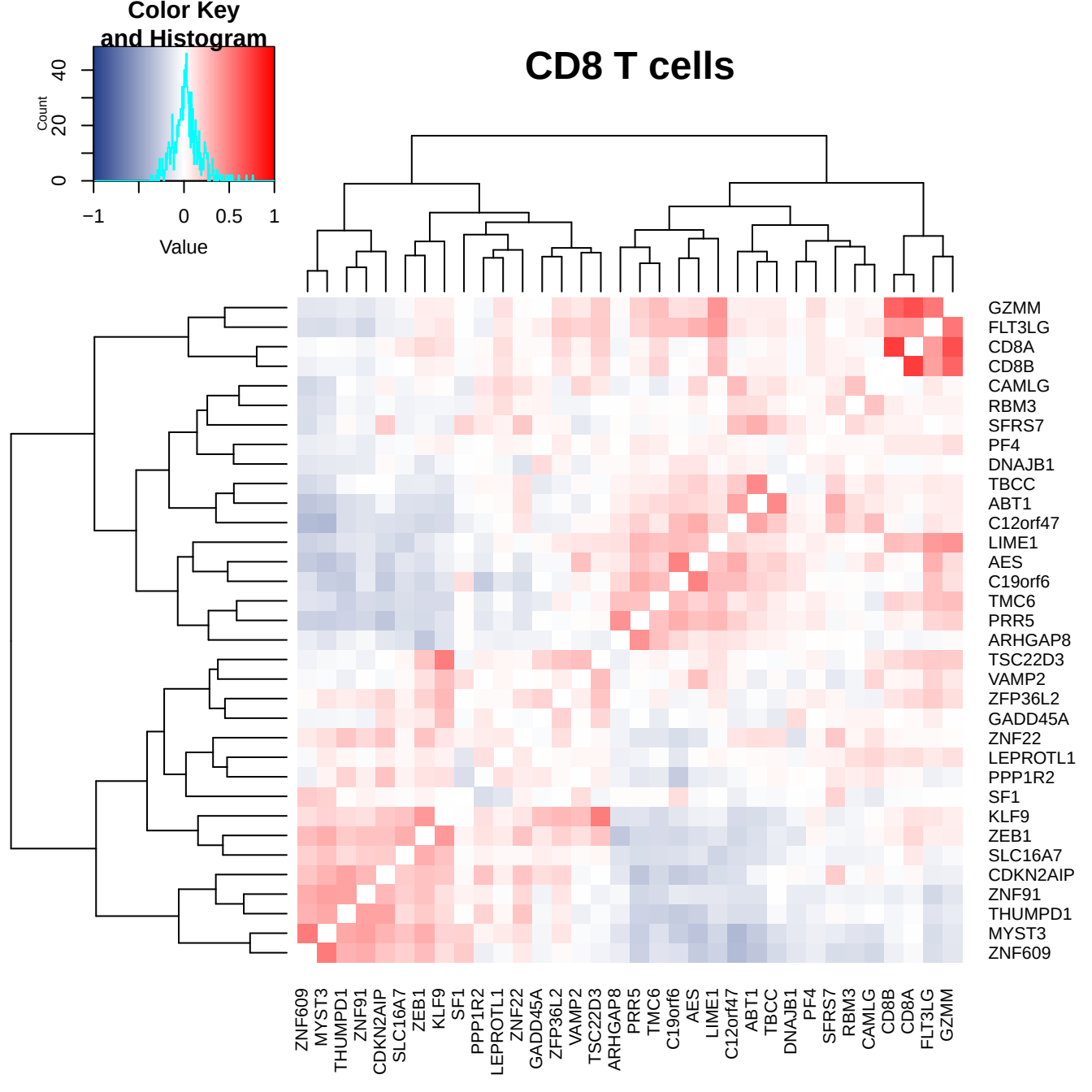

Tgd
CD160
TARP
C1orf61
FEZ1
0.10
0.12
0.14
0.16
0.18
Avg distance from other genes
1.0
1.5
2.0
2.5
3.0
3.5
4.0
Index

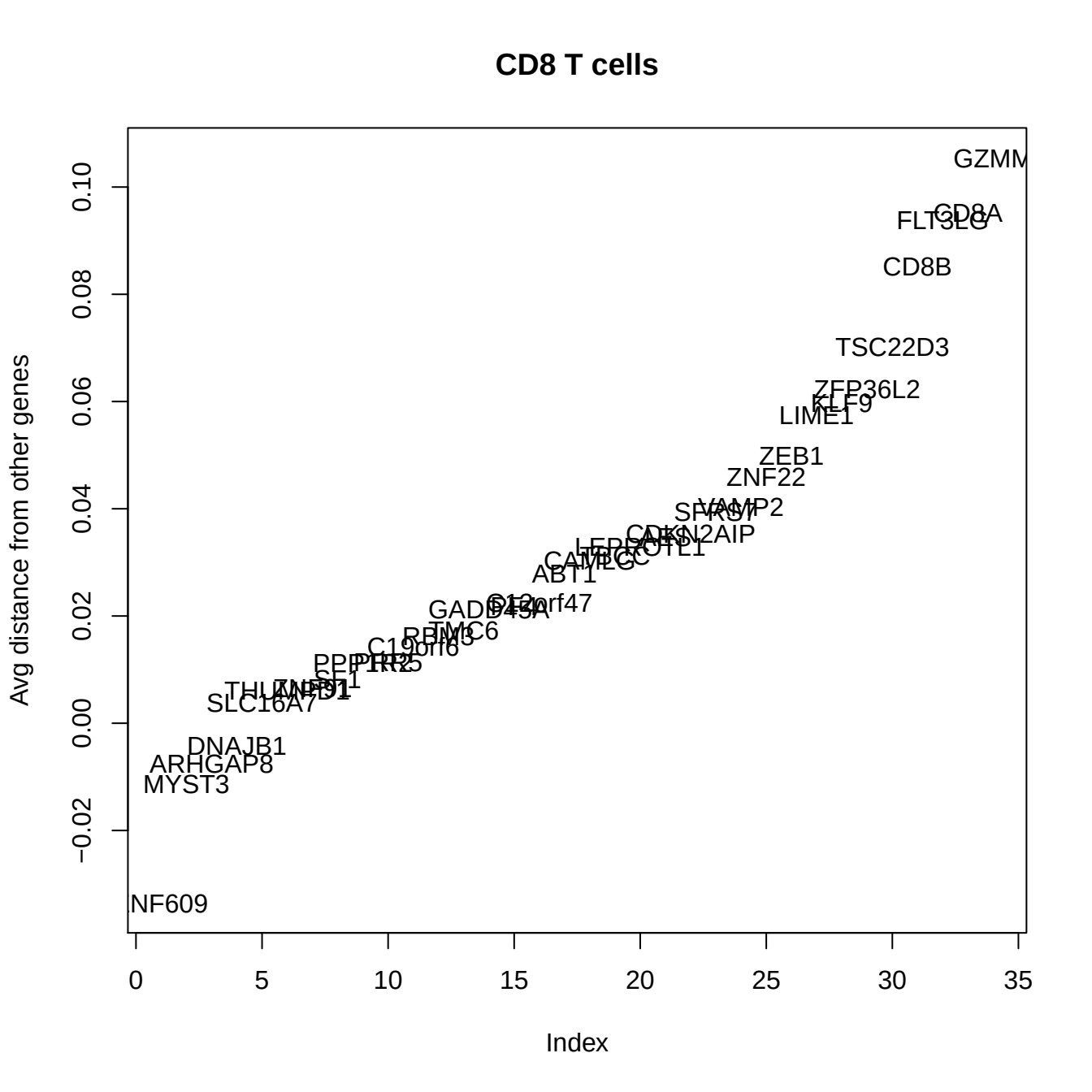

Color Key
and Histogram
Count
0
2
4
6
8
−1
0
0.5
1
Value
T−cells
CD3G
TRAT1
SH2D1A
CD6
CD3E
CD2
CD3D
PRKCQ
SKAP1
BCL11B
GIMAP5
NCALD
NCALD
GIMAP5
BCL11B
SKAP1
PRKCQ
CD3D
CD2
CD3E
CD6
SH2D1A
TRAT1
CD3G

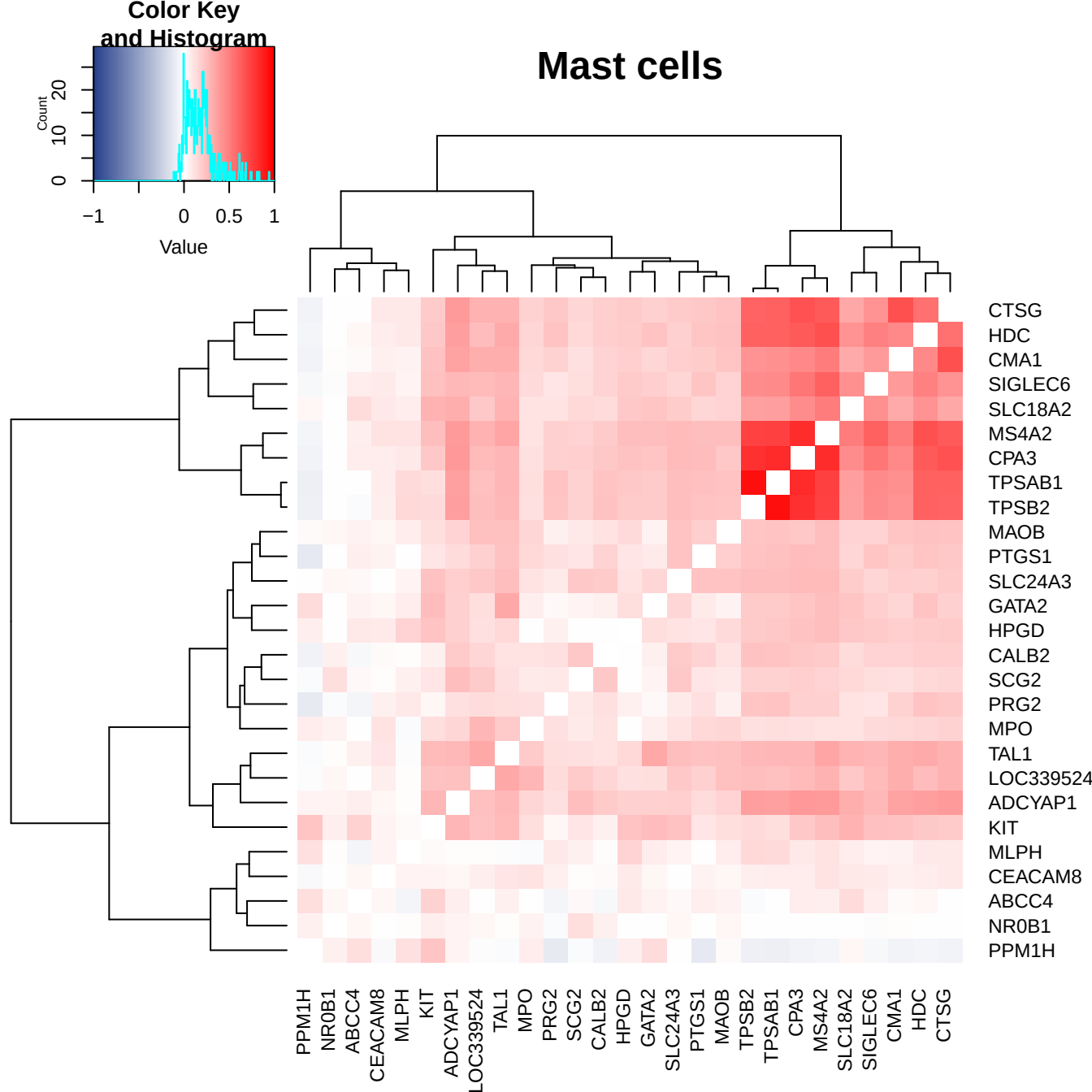

T−cells
Avg distance from other genes
Index
0.1
0.2
0.3
0.4
0.5
0.6
2
4
6
8
10
12
CD2
CD3E
CD3D
CD6
TRAT1
SH2D1A
CD3G
GIMAP5
BCL11B
SKAP1
PRKCQ
NCALD

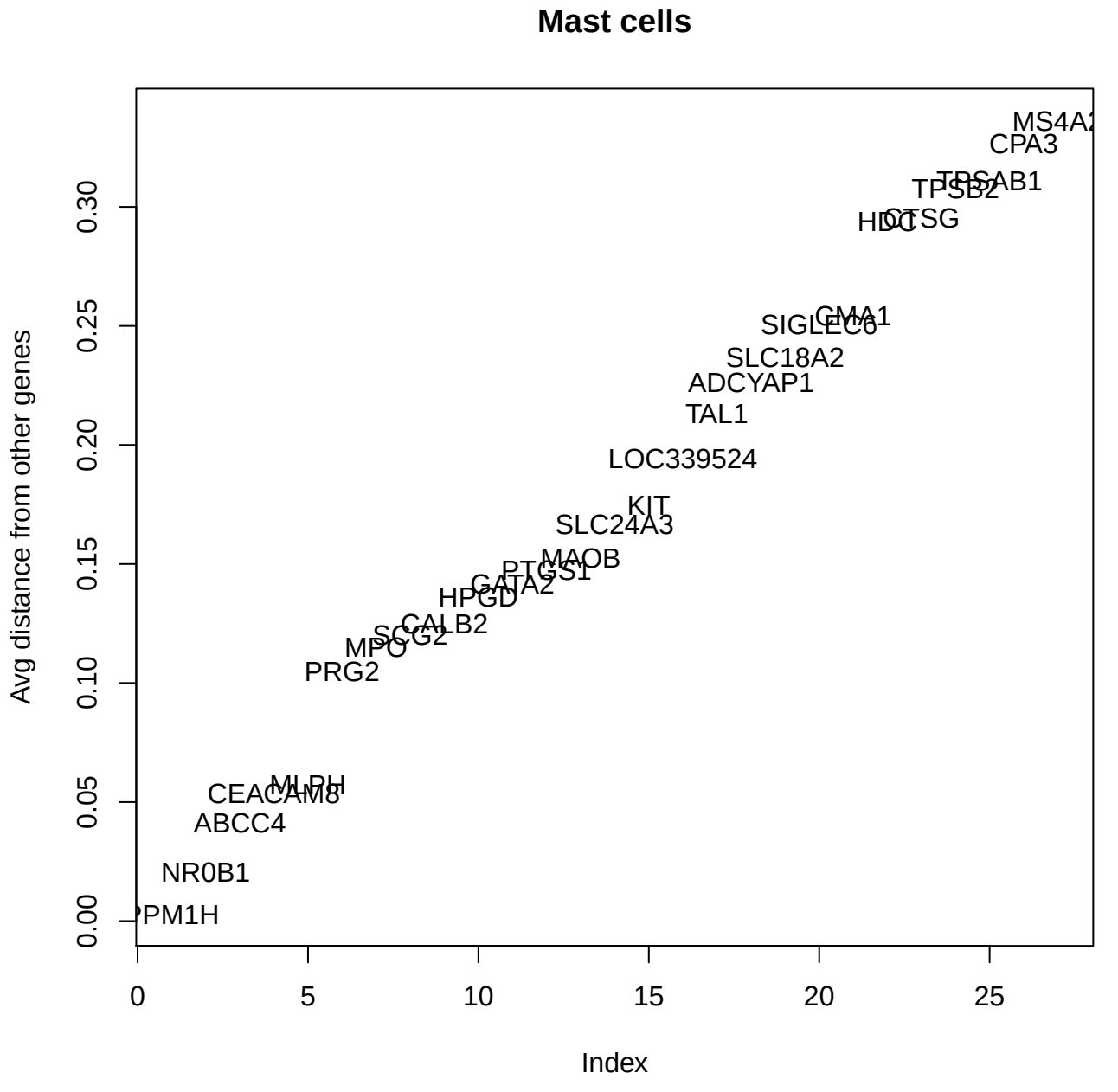

Color Key
and Histogram
Count
0
1
2
3
4
−1
0
0.5
1
Value
Exhausted CD8
EOME
CD244
LAG3
PTGER
ENTPD
NTPD1
TGER4
LAG3
CD244
OMES

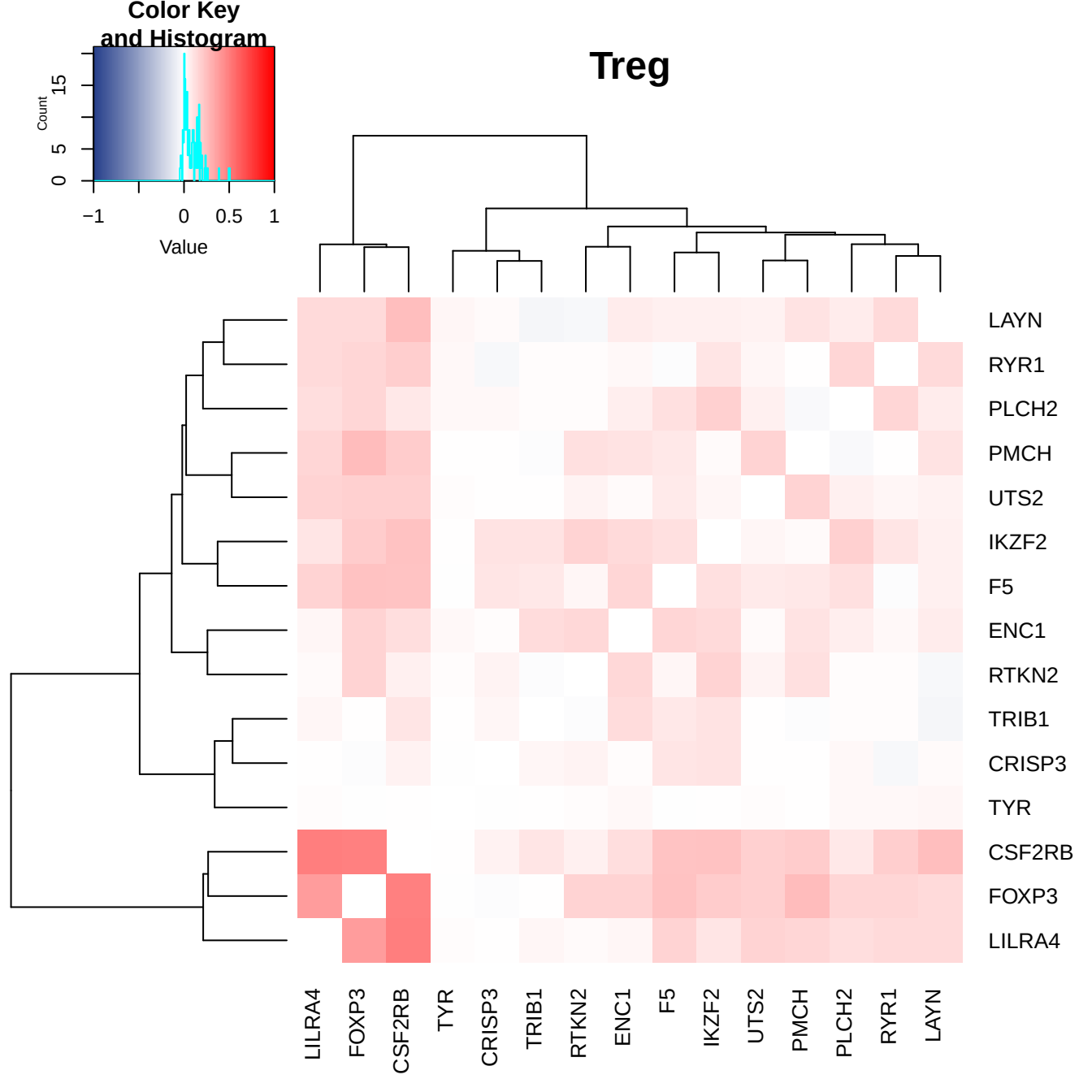

Exhausted CD8
EOME
CD244
LAG3
PTGER4
NTPD1
0.40
0.35
0.30
0.25
Avg distance from other genes
1
2
3
4
5
Index

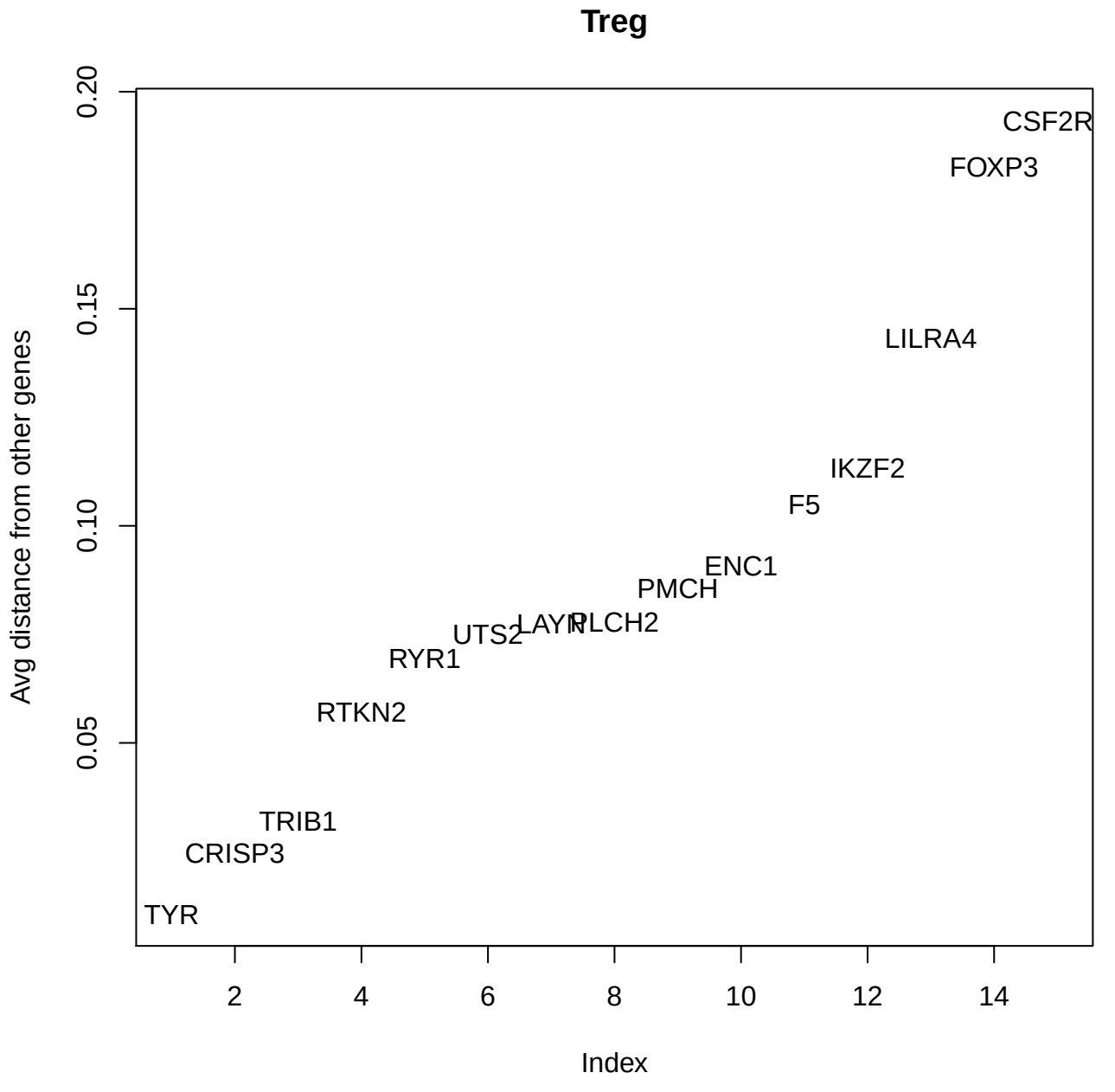

Color Key
and Histogram
Count
0
20
40
−1
0
0.5
1
Value
CD8 T cells
GZMM
FLT3LG
CD8A
CD8B
CAMLG
RBM3
SFRS7
PF4
DNAJB1
TBCC
ABT1
C12orf47
LIME1
AES
C19orf6
TMC6
PRR5
ARHGAP8
TSC22D3
VAMP2
ZFP36L2
GADD45A
ZNF22
LEPROTL1
PPP1R2
SF1
KLF9
ZEB1
SLC16A7
CDKN2AIP
ZNF91
THUMPD1
MYST3
ZNF609
ZNF609
MYST3
THUMPD1
ZNF91
CDKN2AIP
SLC16A7
ZEB1
KLF9
SF1
PPP1R2
LEPROTL1
ZNF22
GADD45A
ZFP36L2
VAMP2
TSC22D3
ARHGAP8
PRR5
TMC6
C19orf6
AES
LIME1
C12orf47
ABT1
TBCC
DNAJB1
PF4
SFRS7
RBM3
CAMLG
CD8B
CD8A
FLT3LG
GZMM

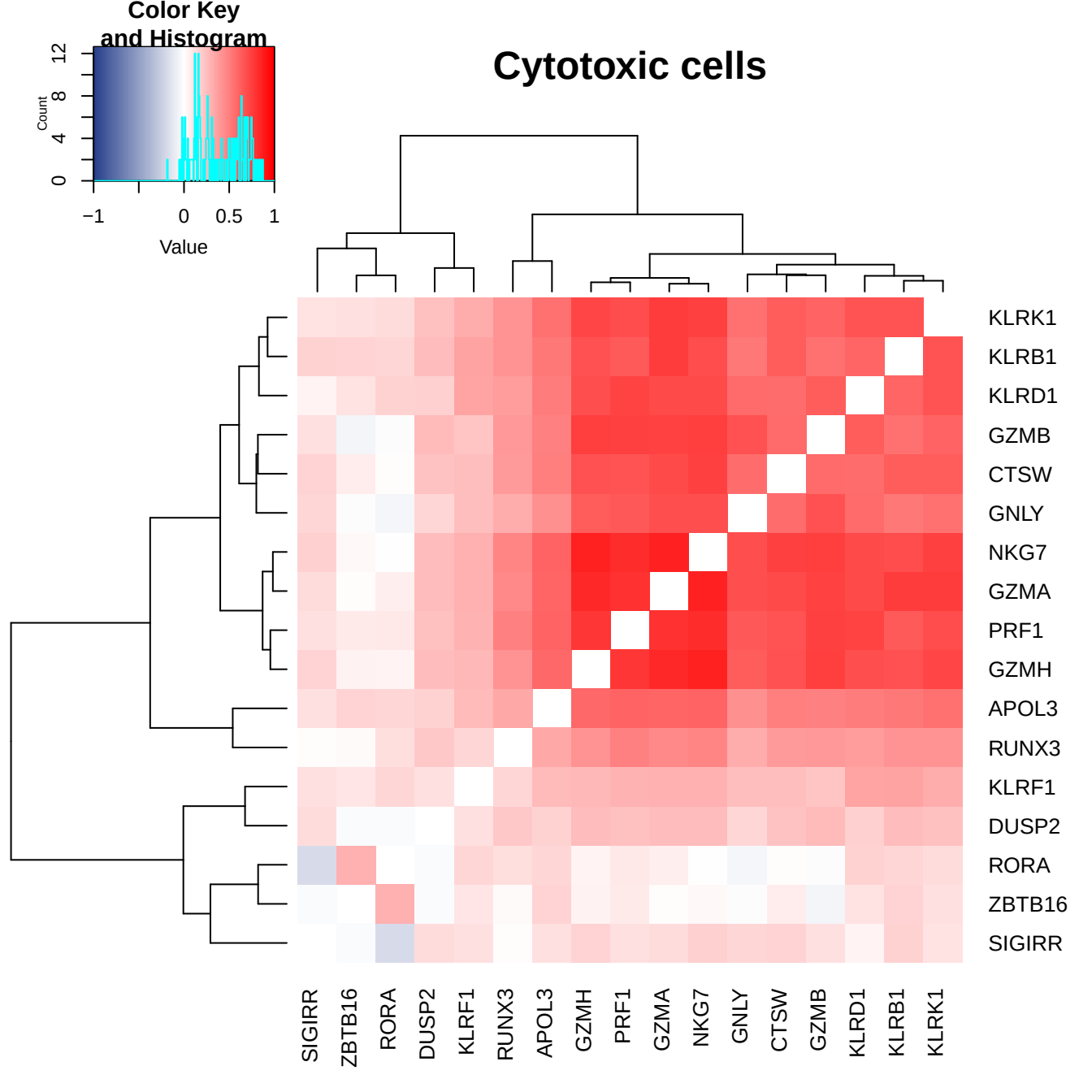

CD8 T cells
Avg distance from other genes
Index
0.10
0.08
0.06
0.04
0.02
0.00
−0.02
0
5
10
15
20
25
30
35
GZMM
CD8A
FLT3LG
CD8B
TSC22D3
ZFP36L2
KLF9
LIME1
ZEB1
ZNF22
VAMP2
SPRY1
CDKN2AIP
LEPROTL1
ABT1
C12orf47
GADD45A
TMC6
RBM3
C19orf6
PPP1R15
SLC16A7
DNAJB1
ARHGAP8
MYST3
NF609

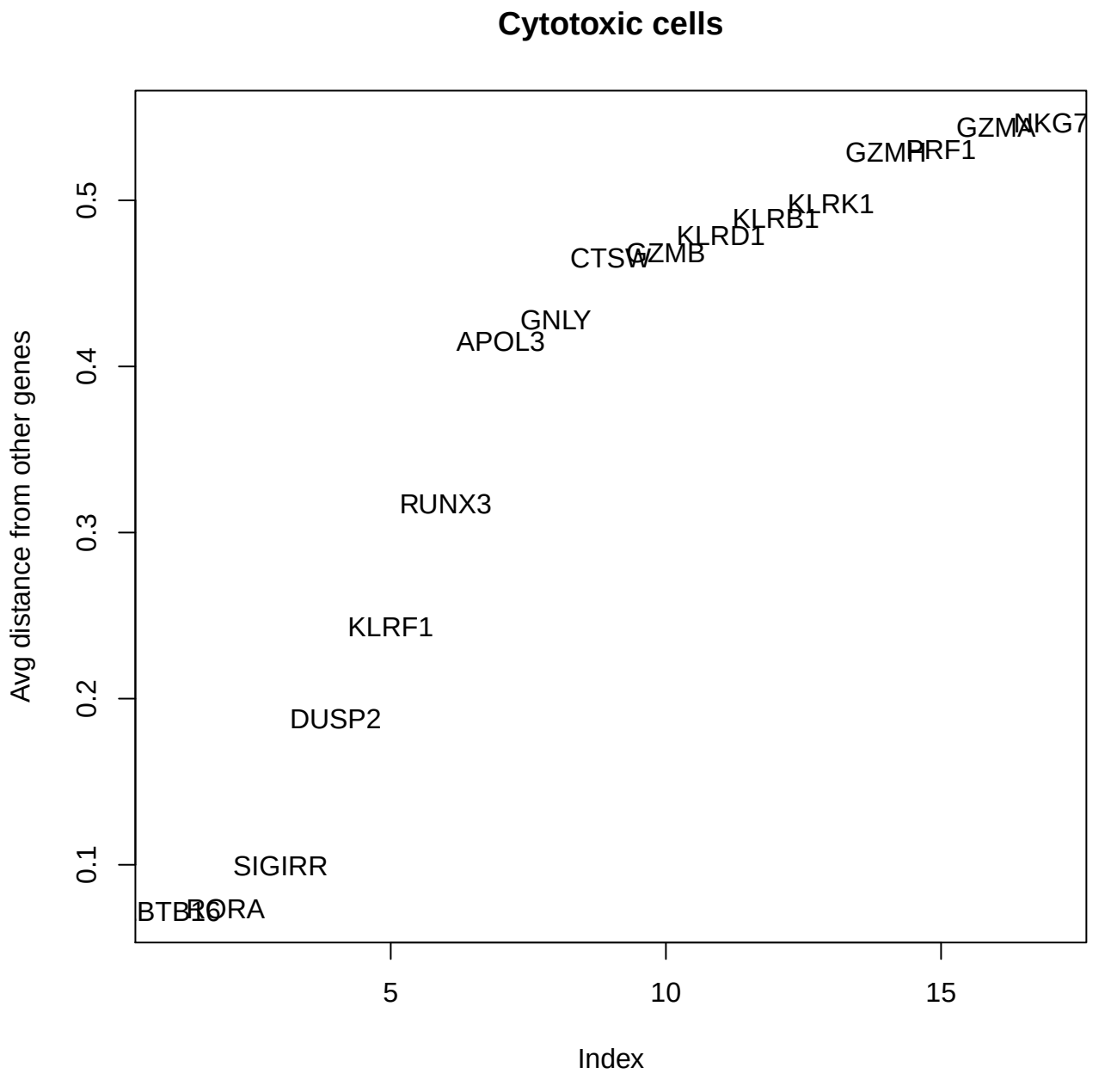

Color Key
and Histogram
Count
0
10
20
−1
0
0.5
1
Value
Mast cells
CTSG
HDC
CMA1
SIGLEC6
SLC18A2
MS4A2
CPA3
TPSAB1
TPSB2
MAOB
PTGS1
SLC24A3
GATA2
HPGD
CALB2
SCG2
PRG2
MPO
TAL1
LOC339524
ADCYAP1
KIT
MLPH
CEACAM8
ABCC4
NR0B1
PPM1H
PPM1H
NR0B1
ABCC4
CEACAM8
MLPH
KIT
ADCYAP1
LOC339524
TAL1
MPO
PRG2
SCG2
CALB2
HPGD
GATA2
SLC24A3
PTGS1
MAOB
TPSB2
TPSAB1
CPA3
MS4A2
SLC18A2
SIGLEC6
CMA1
HDC
CTSG

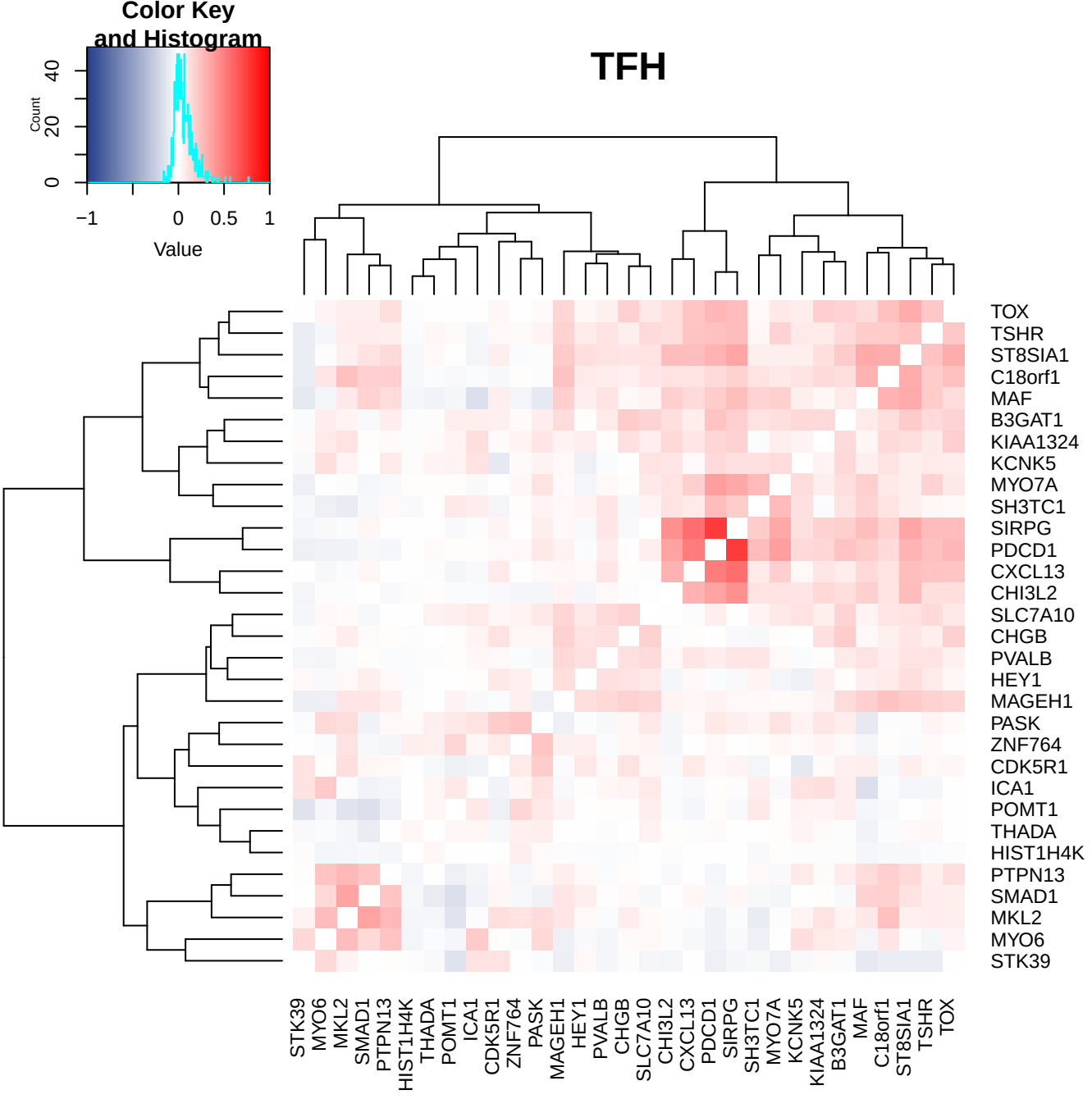

Mast cells
Avg distance from other genes
Index
0.00
0.05
0.10
0.15
0.20
0.25
0.30
0
5
10
15
20
25
MS4A2
CPA3
TPSAB1
TPSB2
CTSG
HDC
CMA1
SIGLEC6
SLC18A2
ADCYAP1
TAL1
LOC339524
KIT
SLC24A3
MAOB
PTGS1
GATA2
HPGD
CALB2
SCG2
MPO
PRG2
MLPH
CEACAM8
ABCC4
NR0B1
PPM1H

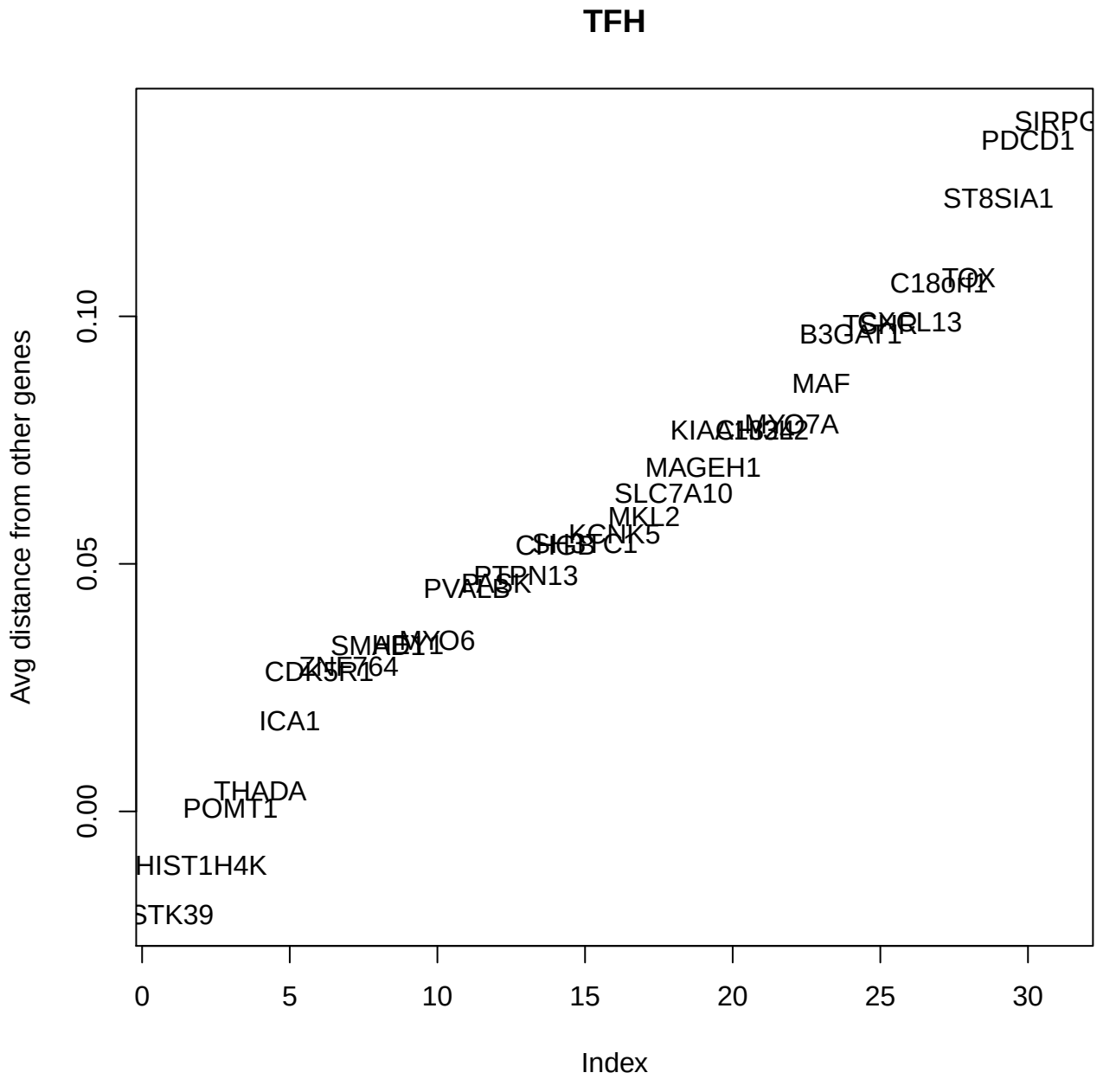

Color Key
and Histogram
Count
0
5
15
−1
0
0.5
1
Value
Treg
LAYN
RYR1
PLCH2
PMCH
UTS2
IKZF2
F5
ENC1
RTKN2
TRIB1
CRISP3
TYR
CSF2RB
FOXP3
LILRA4
LILRA4
FOXP3
CSF2RB
TYR
CRISP3
TRIB1
RTKN2
ENC1
F5
IKZF2
UTS2
PMCH
PLCH2
RYR1
LAYN

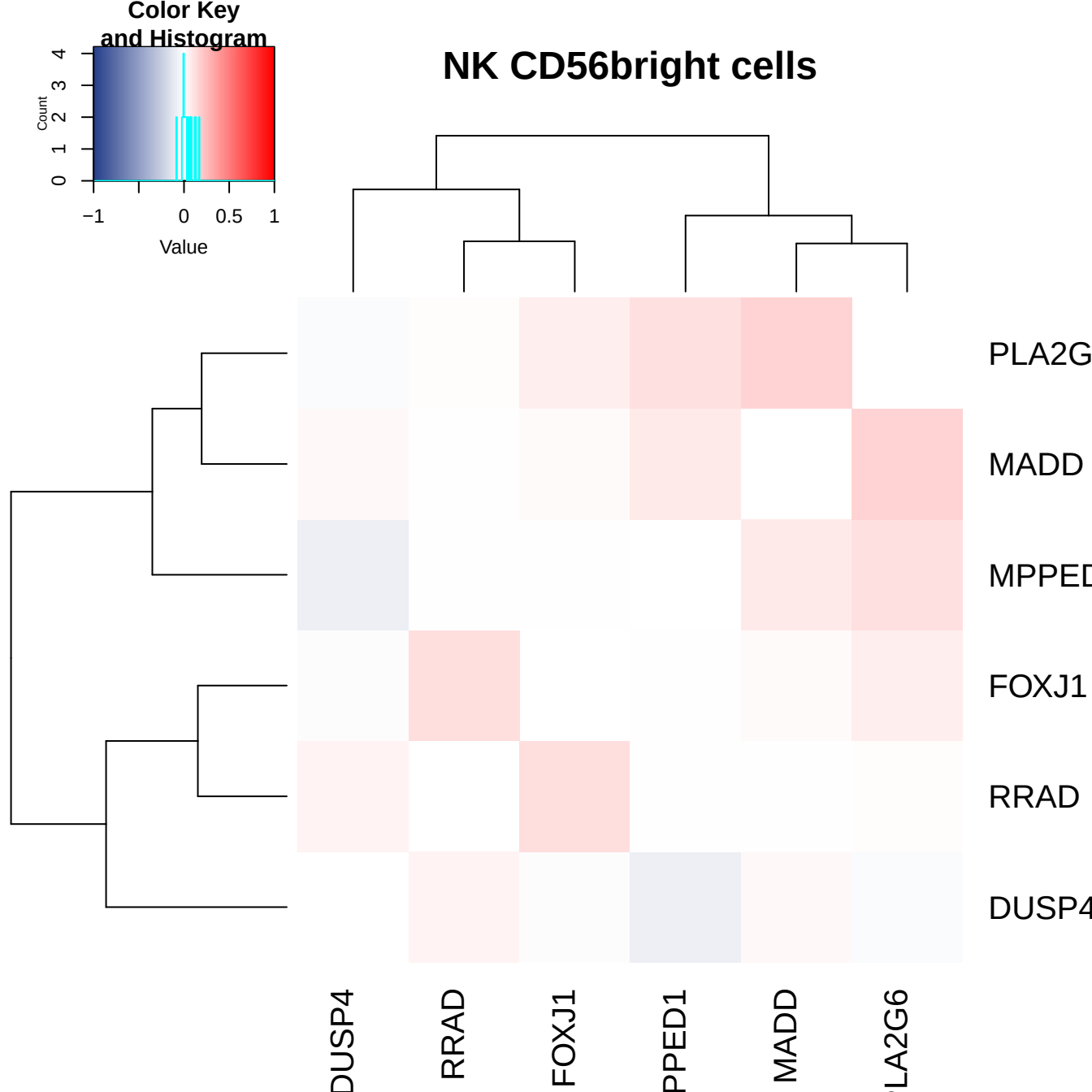

Treg
Avg distance from other genes
0.20
0.15
0.10
0.05
CSF2R
FOXP3
LILRA4
IKZF2
F5
ENC1
PMCH
PLCH2
LAYN
UTS2
RYR1
RTKN2
TRIB1
CRISP3
TYR
2
4
6
8
10
12
14
Index

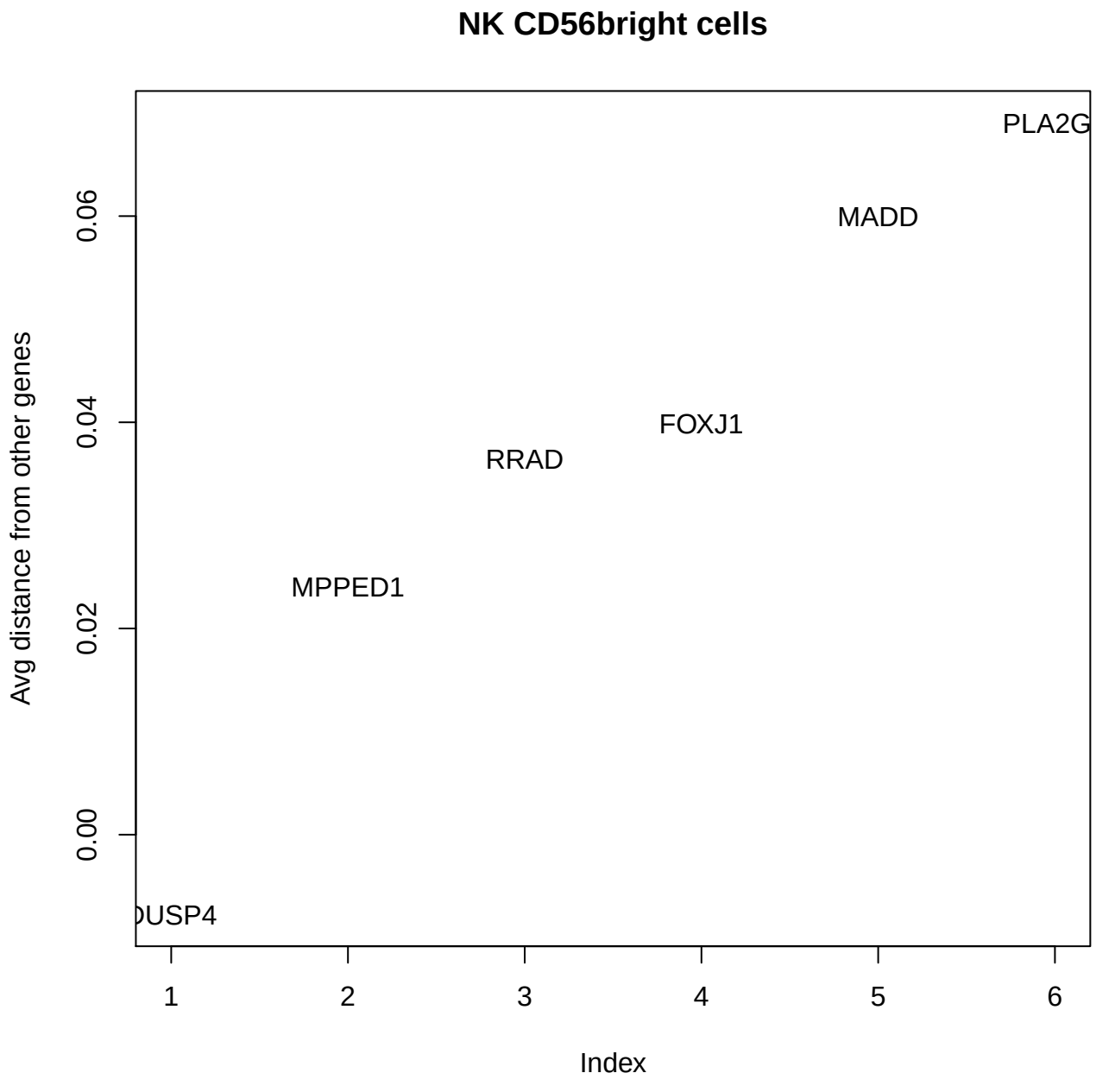

Color Key
and Histogram
Count
0
4
8
12
−1
0
0.5
1
Value
Cytotoxic cells
KLRK1
KLRB1
KLRD1
GZMB
CTSW
GNLY
NKG7
GZMA
PRF1
GZMH
APOL3
RUNX3
KLRF1
DUSP2
RORA
ZBTB16
SIGIRR
SIGIRR
ZBTB16
RORA
DUSP2
KLRF1
RUNX3
APOL3
GZMH
PRF1
GZMA
NKG7
GNLY
CTSW
GZMB
KLRD1
KLRB1
KLRK1

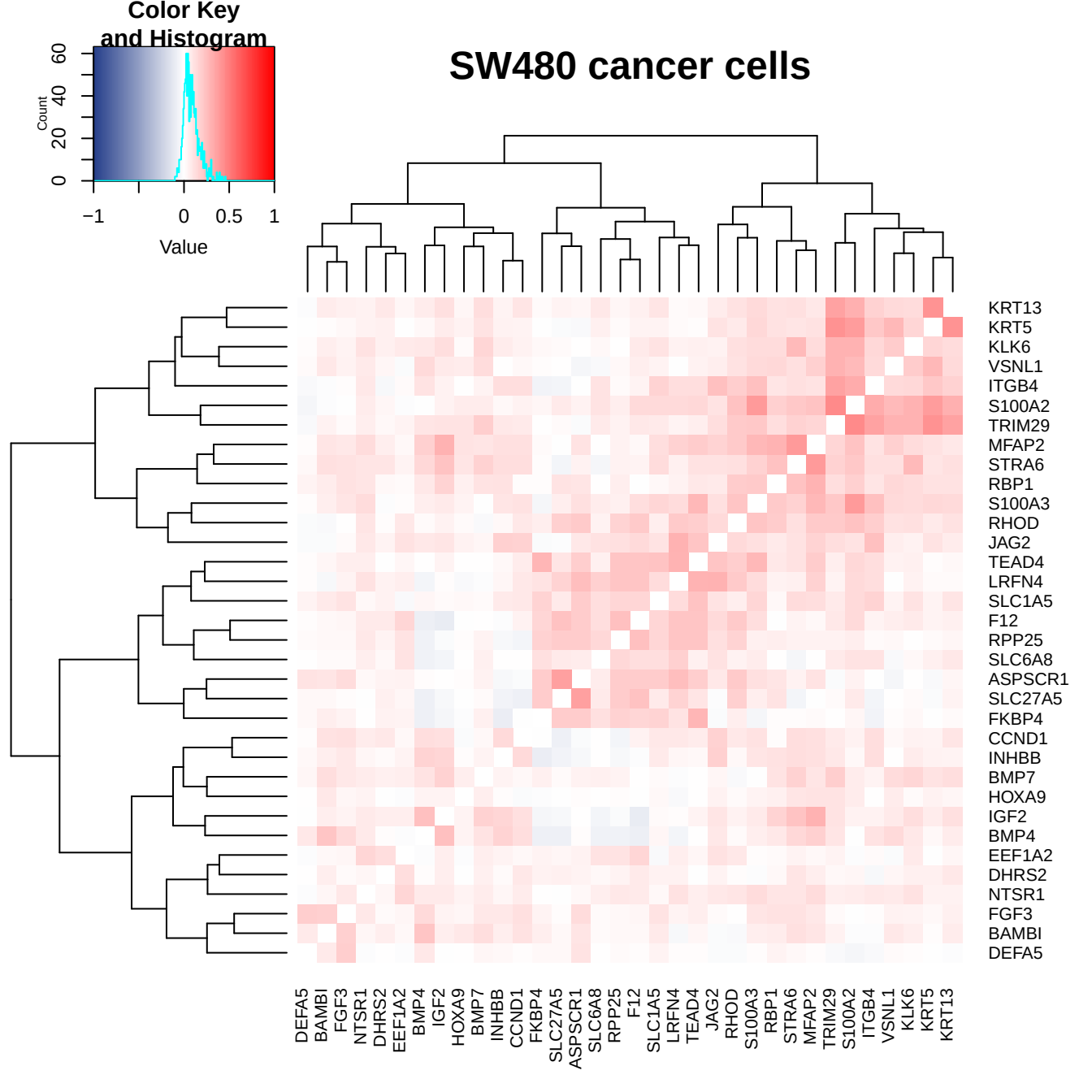

Cytotoxic cells
Avg distance from other genes
Index
0.1
0.2
0.3
0.4
0.5
5
10
15
NKG7
GZMA
PRF1
GZMH
KLRK1
KLRB1
KLRD1
GZMB
CTSW
GNLY
APOL3
RUNX3
KLRF1
DUSP2
SIGIRR
BTB16
PCDRA

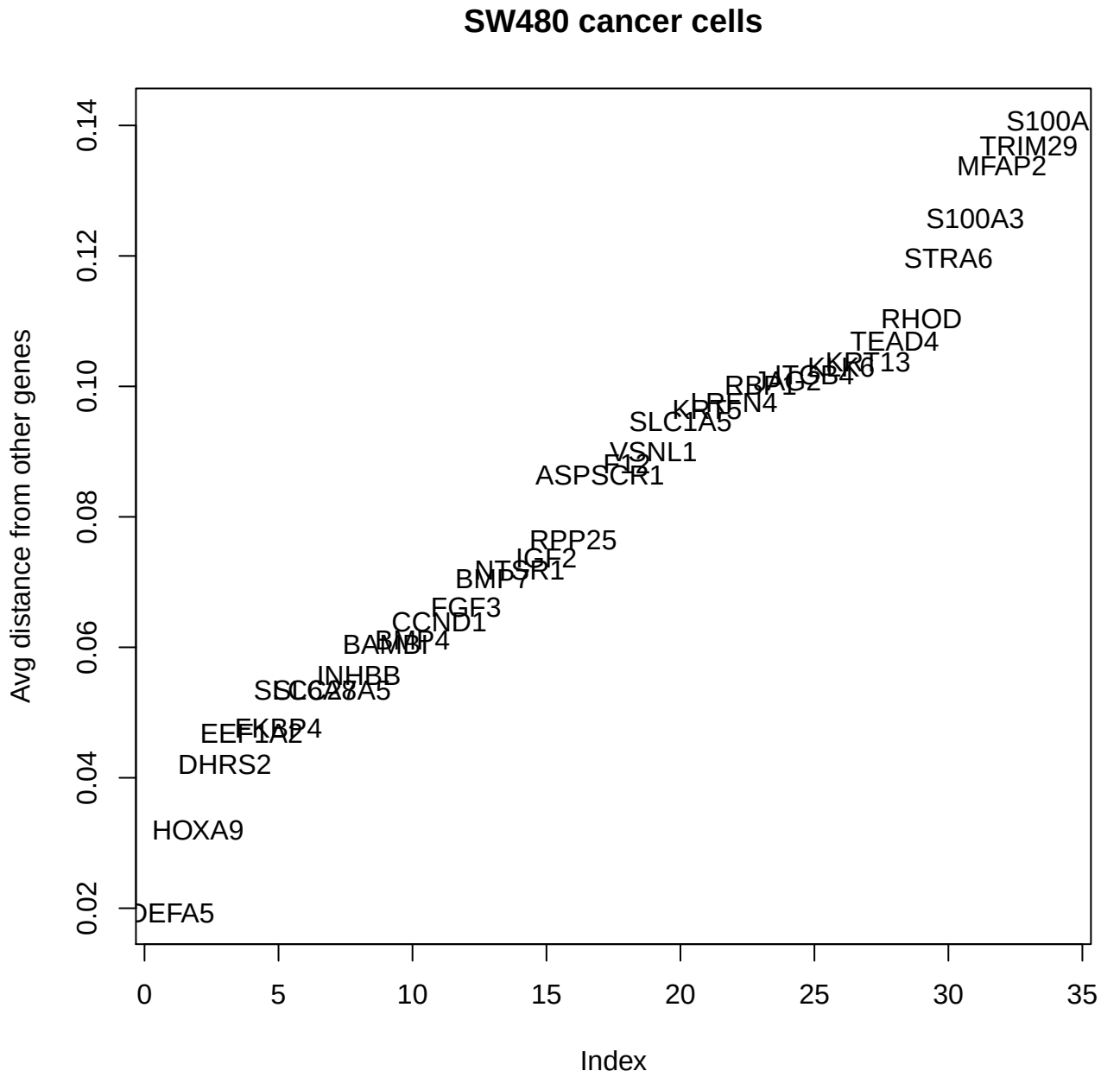

Color Key
and Histogram
Count
0
20
40
−1
0
0.5
1
Value
TFH
TOX
TSHR
ST8SIA1
C18orf1
MAF
B3GAT1
KIAA1324
KCNK5
MYO7A
SH3TC1
SIRPG
PDCD1
CXCL13
CHI3L2
SLC7A10
CHGB
PVALB
HEY1
MAGEH1
PASK
ZNF764
CDK5R1
ICA1
POMT1
THADA
HIST1H4K
PTPN13
SMAD1
MKL2
MYO6
STK39
STK39
MYO6
MKL2
SMAD1
PTPN13
HIST1H4K
THADA
POMT1
ICA1
CDK5R1
ZNF764
PASK
MAGEH1
HEY1
PVALB
CHGB
SLC7A10
CHI3L2
CXCL13
PDCD1
SIRPG
SH3TC1
MYO7A
KCNK5
KIAA1324
B3GAT1
MAF
C18orf1
ST8SIA1
TSHR
TOX

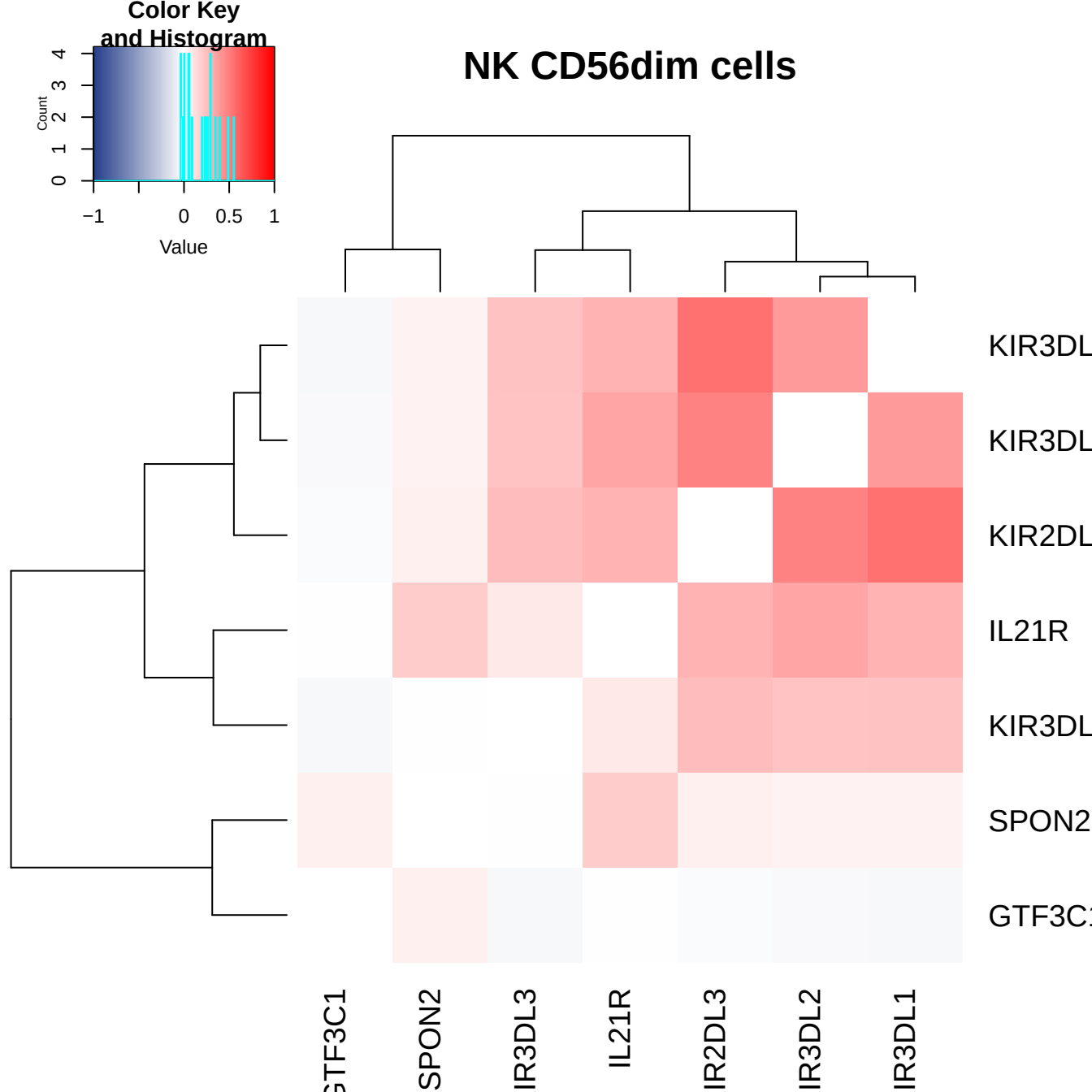

TFH
Avg distance from other genes
Index
0.00
0.05
0.10
0
5
10
15
20
25
30
SIRPG
PDCD1
ST8SIA1
TOX
C18orf1
TCF7
CMKLR1
B3GAT1
MAF
KIAA1324
C19orf42
MYO7A
MAGEH1
SLC7A10
MKL2
KCNK5
CSF2
SIGLEC1
RTPN13
PVALB
PTGER4
MYO6
SMAD1
ZNF764
CDKSR1
ICA1
THADA
POMT1
HIST1H4K
STK39

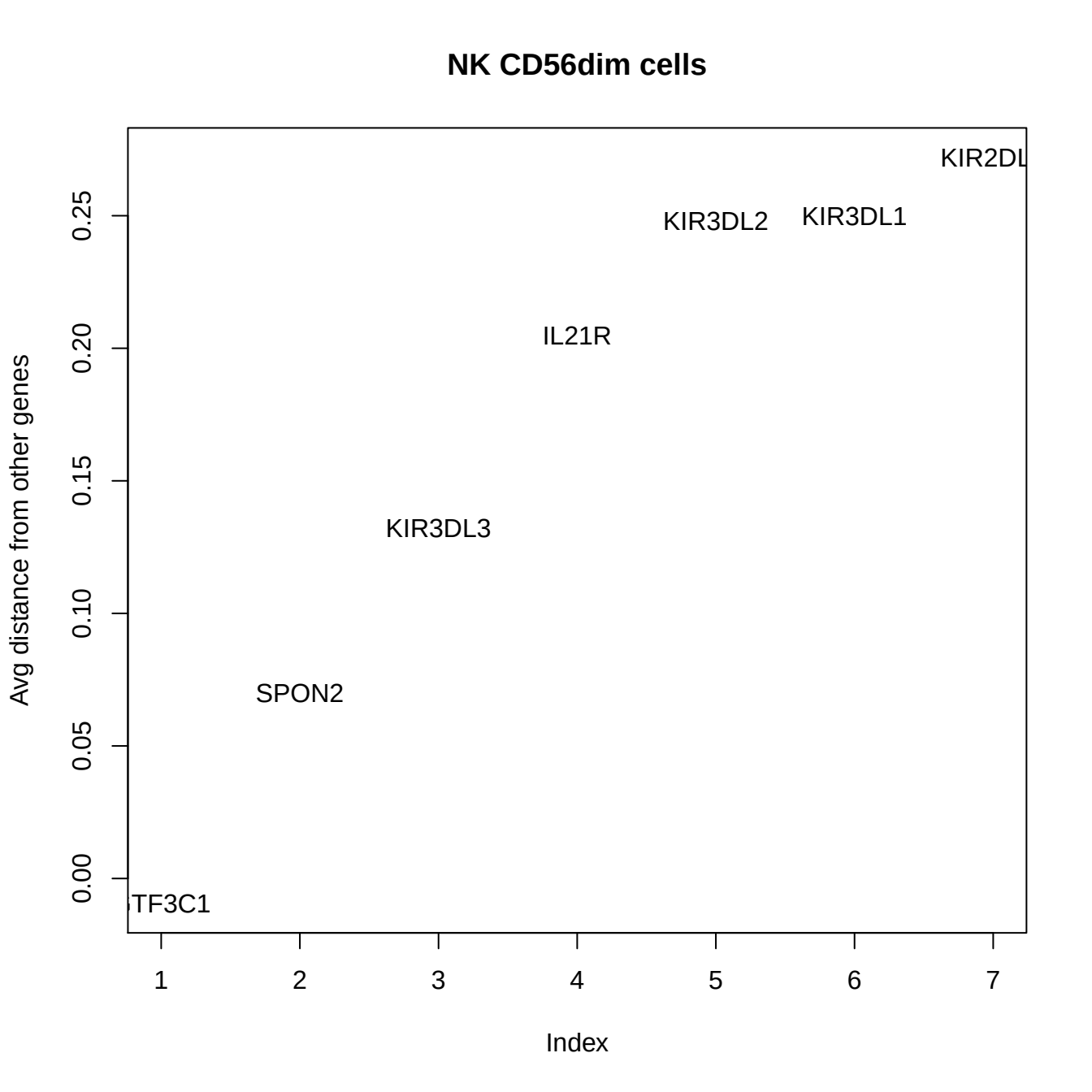

Color Key
and Histogram
Count
0
1
2
3
4
−1
0
0.5
1
Value
NK CD56bright cells
PLA2G
MADD
MPPED
FOXJ1
RRAD
DUSP4
DUSP4
RRAD
FOXJ1
PPED1
MADD
LA2G6

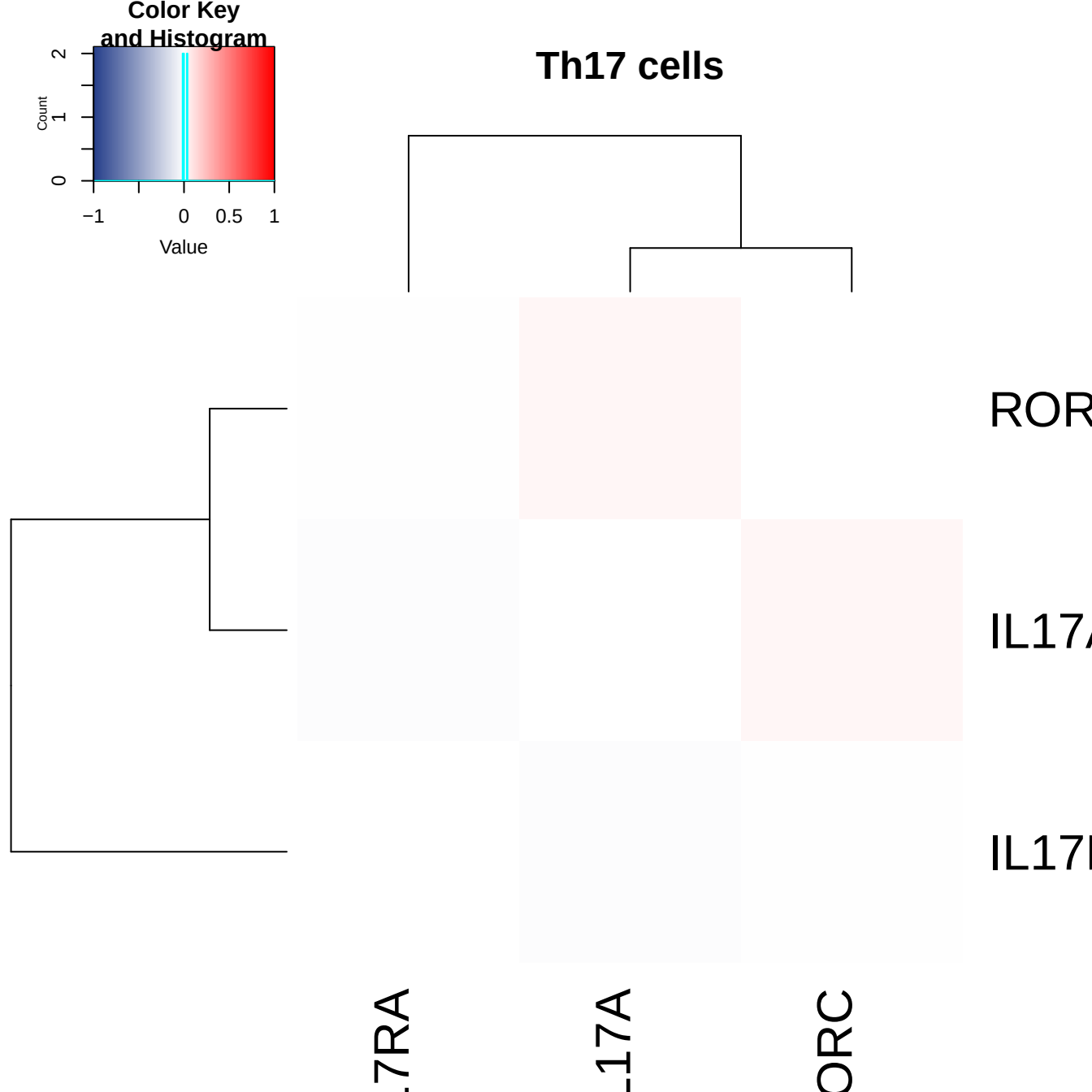

NK CD56bright cells
PLA2G
MADD
FOXJ1
RRAD
MPPED1
DUSP4
0.06
0.04
0.02
0.00
Avg distance from other genes
1
2
3
4
5
6
Index

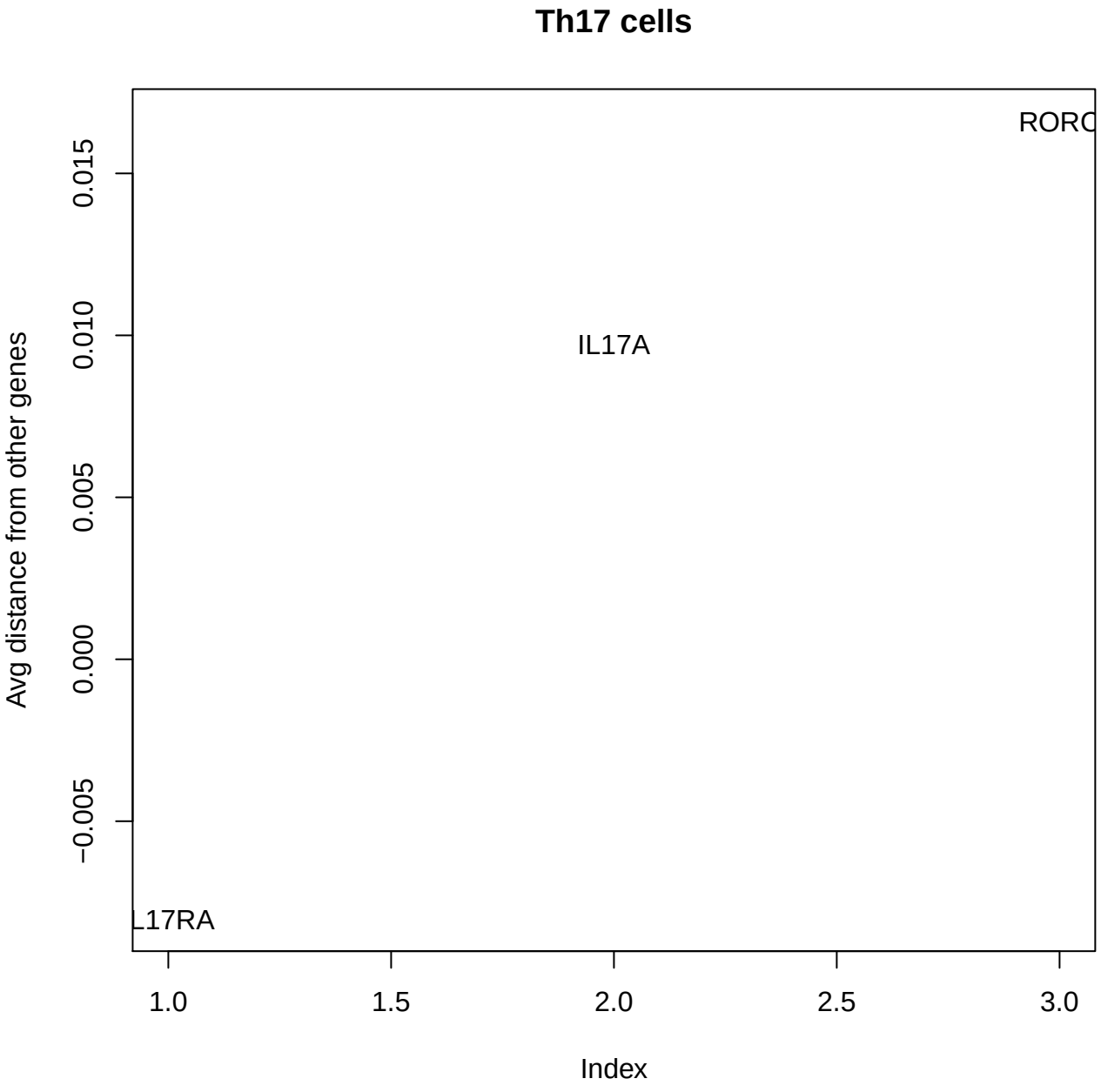

Color Key
and Histogram
Count
0
20
40
60
−1
0
0.5
1
Value
SW480 cancer cells
KRT13
KRT5
KLK6
VSNL1
ITGB4
S100A2
TRIM29
MFAP2
STRA6
RBP1
S100A3
RHOD
JAG2
TEAD4
LRFN4
SLC1A5
F12
RPP25
SLC6A8
ASPSCR1
SLC27A5
FKBP4
CCND1
INHBB
BMP7
HOXA9
IGF2
BMP4
EEF1A2
DHRS2
NTSR1
FGF3
BAMBI
DEFA5
DEFA5
BAMBI
FGF3
NTSR1
DHRS2
EEF1A2
BMP4
IGF2
HOXA9
BMP7
INHBB
CCND1
FKBP4
SLC27A5
ASPSCR1
SLC6A8
RPP25
F12
SLC1A5
LRFN4
TEAD4
JAG2
RHOD
S100A3
RBP1
STRA6
MFAP2
TRIM29
S100A2
ITGB4
VSNL1
KLK6
KRT5
KRT13

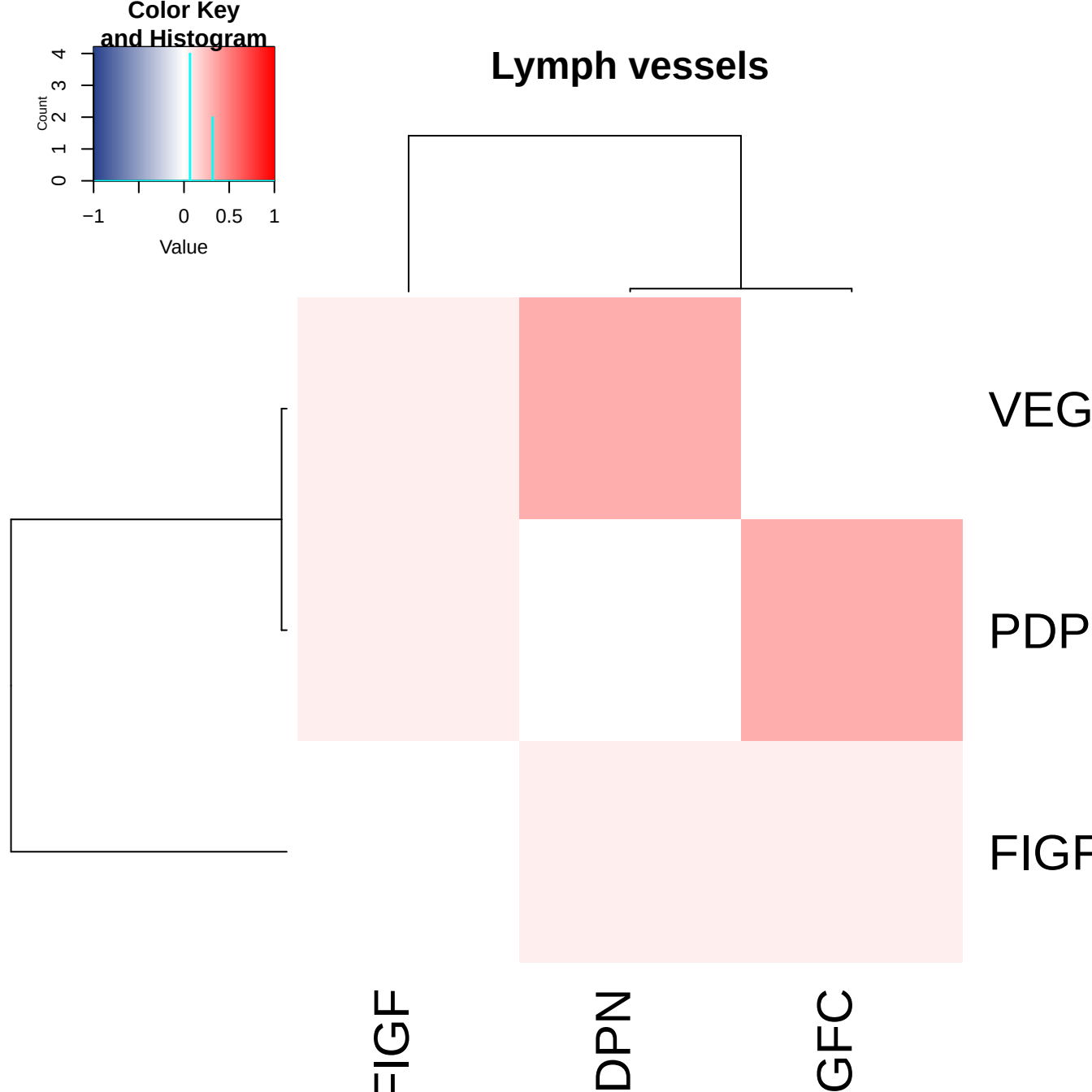

SW480 cancer cells
Avg distance from other genes
Index
0.02
0.04
0.06
0.08
0.10
0.12
0.14
0
5
10
15
20
25
30
35
S100A
TRIM29
MFAP2
S100A3
STRA6
RHOD
TEAD4
KRT13
SLC1A5
VSNL1
ASPSCR1
RPP25
ICF2
BMP7
FGF3
CCND1
INHBB
DHRS2
HOXA9
DEFA5

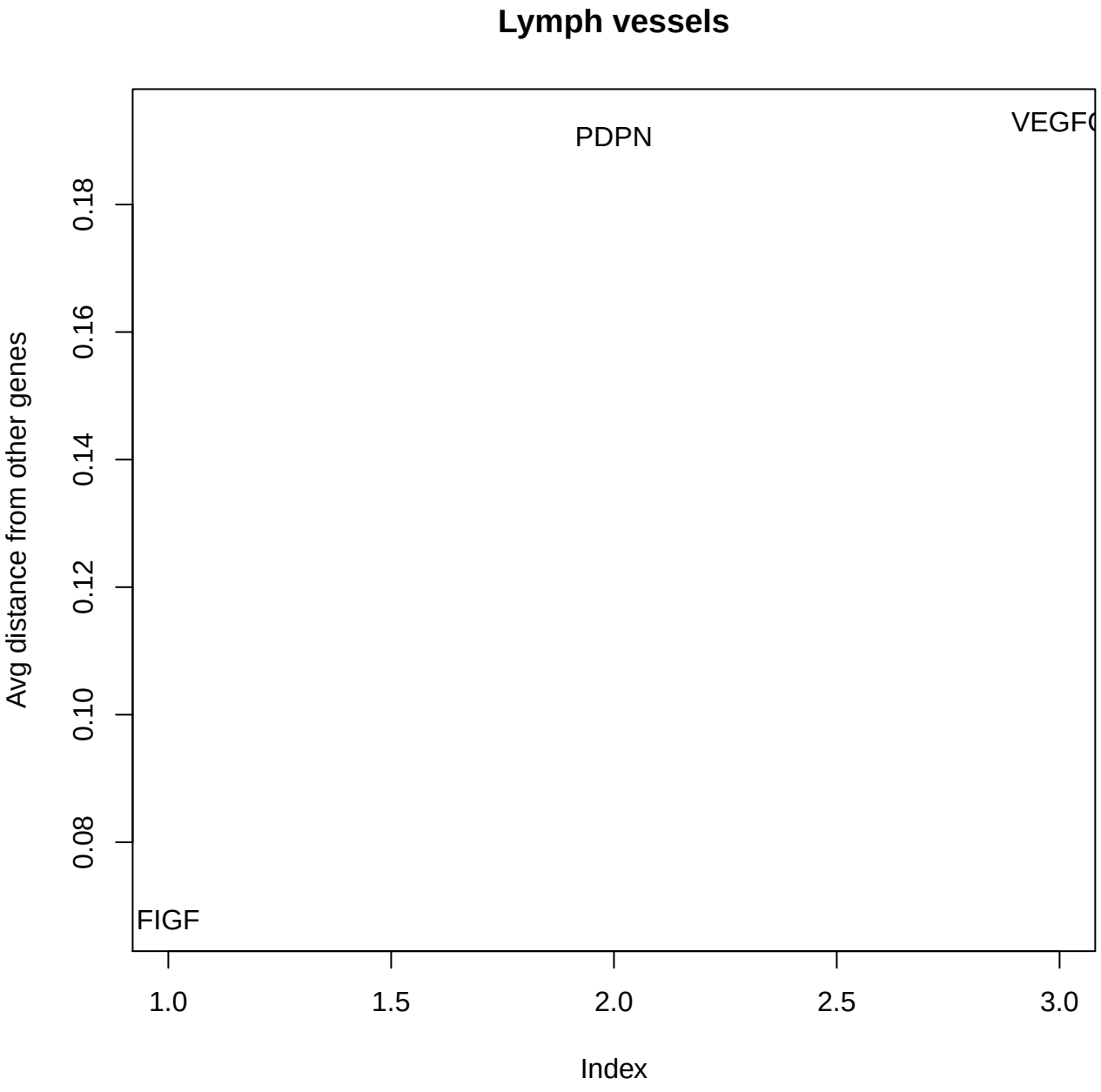

Color Key
and Histogram
Count
0
1
2
3
4
−1
0
0.5
1
Value
NK CD56dim cells
KIR3DL
KIR3DL
KIR2DL
IL21R
KIR3DL
SPON2
GTF3C
GTF3C1
SPON2
IR3DL3
IL21R
IR2DL3
IR3DL2
IR3DL1

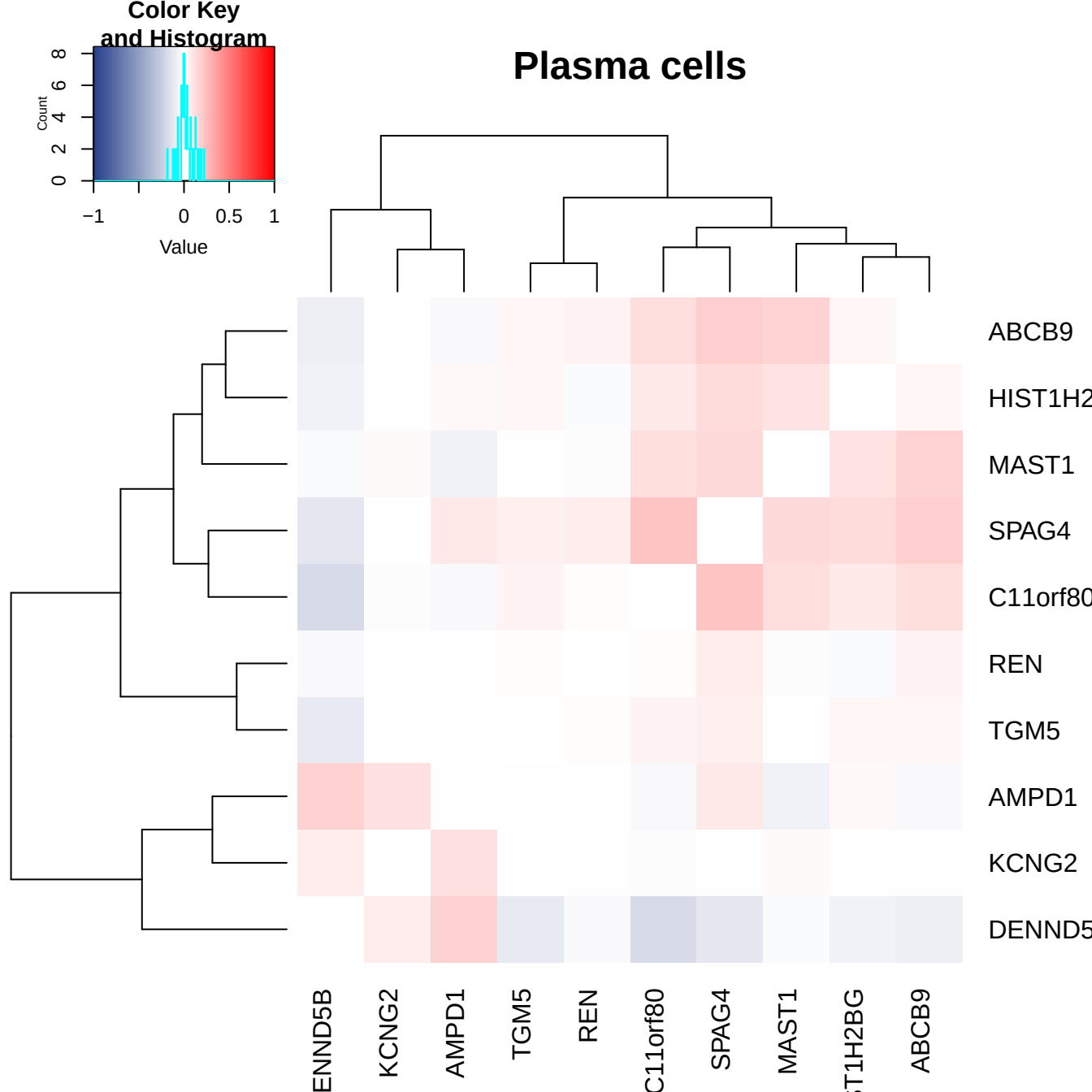

NK CD56dim cells
KIR2DL
KIR3DL2
KIR3DL1
IL21R
KIR3DL3
SPON2
TF3C1
0.00
0.05
0.10
0.15
0.20
0.25
Avg distance from other genes
1
2
3
4
5
6
7
Index

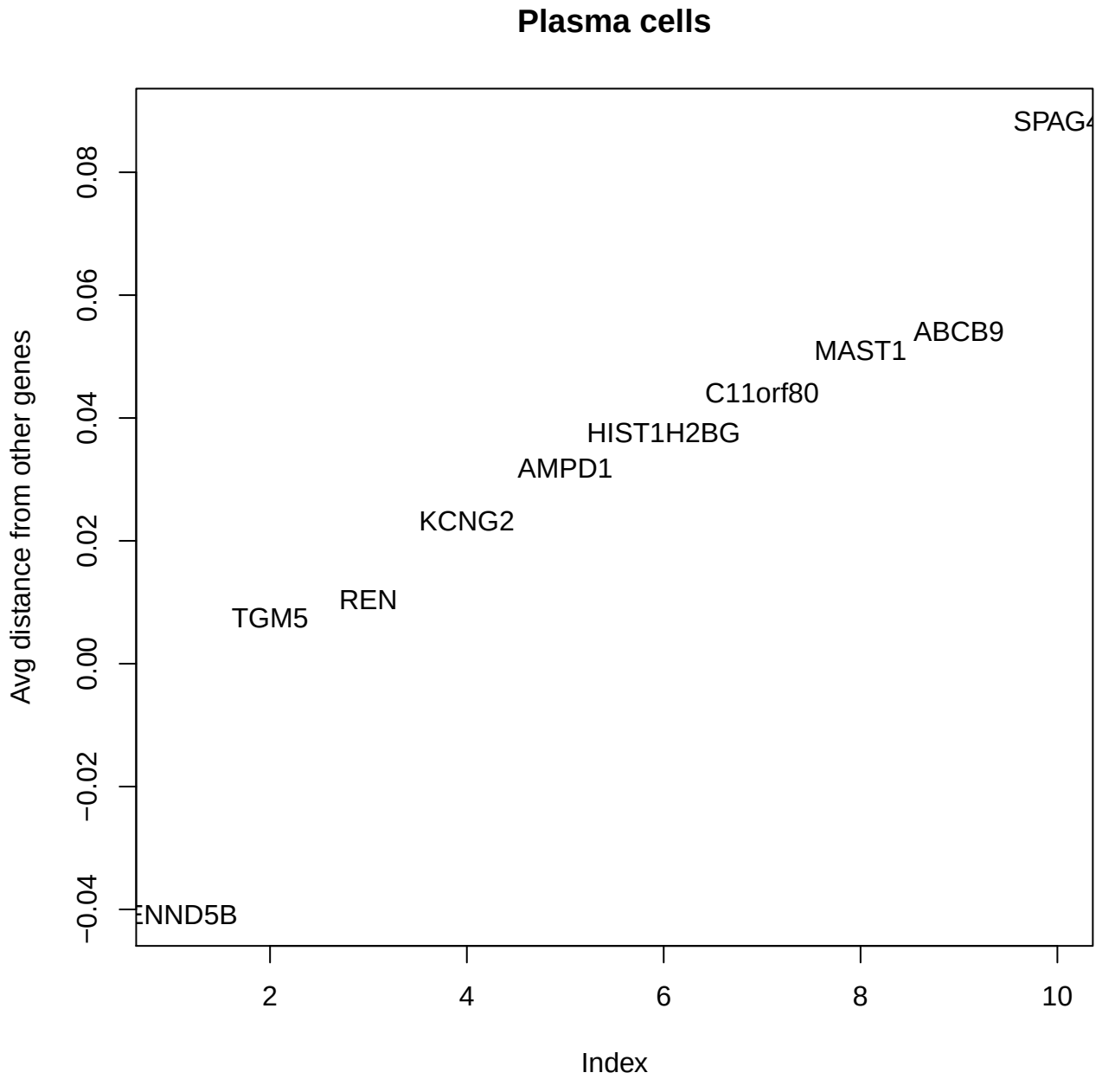

Color Key
and Histogram
Count
0
1
2
−1
0
0.5
1
Value
Th17 cells
ROR
IL17A
IL17
7RA
L17A
ORC


Th17 cells
RORC
IL17A
L17RA
Avg distance from other genes
0.015
0.010
0.005
0.000
−0.005
1.0
1.5
2.0
2.5
3.0
Index


Color Key
and Histogram
Count
0
1
2
3
4
−1
0
0.5
1
Value
Lymph vessels
VEG
PDP
FIGF
FIGF
PDPN
VEGFC


Lymph vessels
PDPN
VEGFC
FIGF
Avg distance from other genes
0.08
0.10
0.12
0.14
0.16
0.18
1.0
1.5
2.0
2.5
3.0
Index


Color Key
and Histogram
Count
0
2
4
6
8
−1
0
0.5
1
Value
Plasma cells
ABCB9
HIST1H2
MAST1
SPAG4
C11orf80
REN
TGM5
AMPD1
KCNG2
DENND5
ENND5B
KCNG2
AMPD1
TGM5
REN
C11orf80
SPAG4
MAST1
T1H2BG
ABCB9


Plasma cells
SPAG4
ABCB9
MAST1
C11orf80
HIST1H2BG
AMPD1
KCNG2
REN
TGM5
ENND5B
0.08
0.06
0.04
0.02
0.00
−0.02
−0.04
Avg distance from other genes
2
4
6
8
10
Index