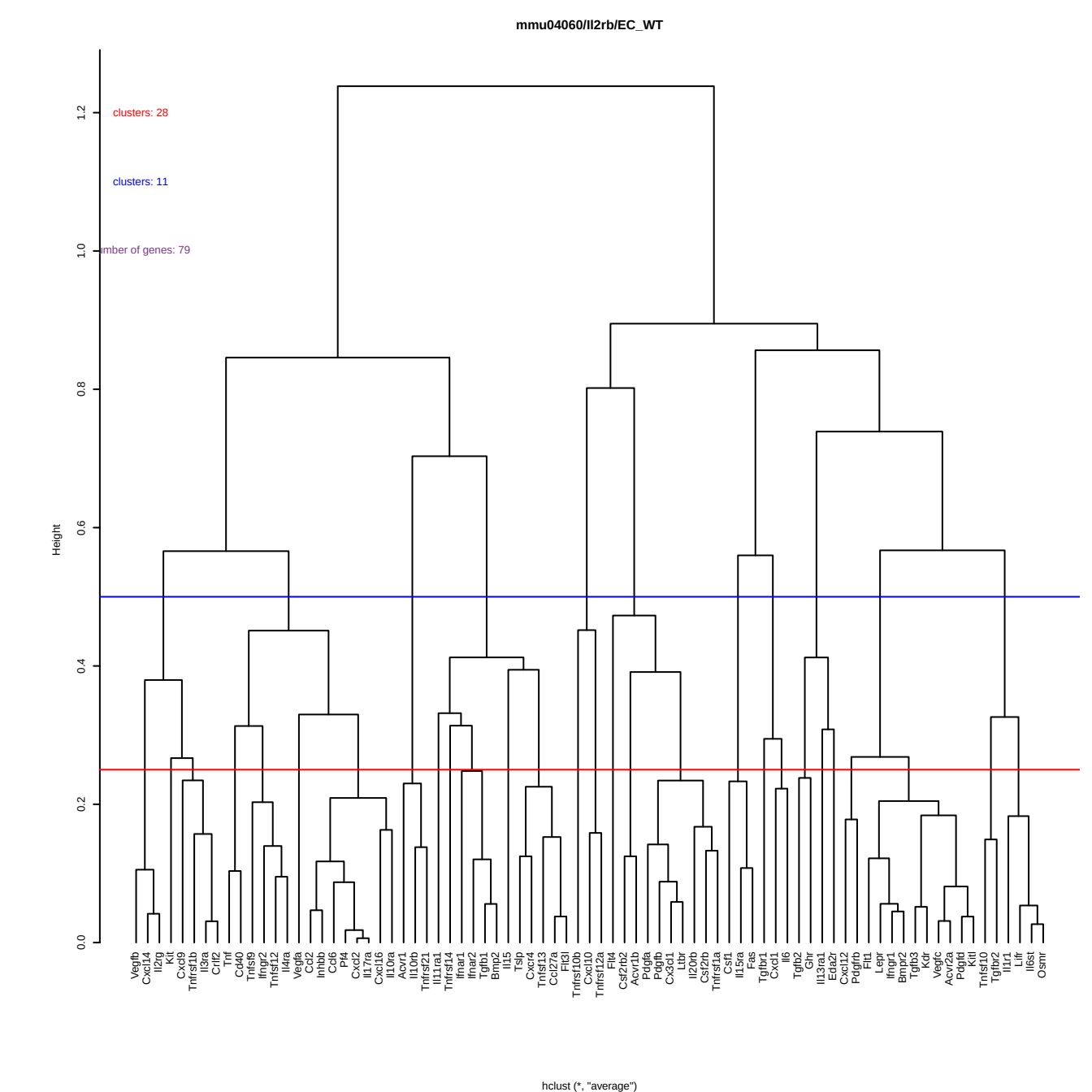
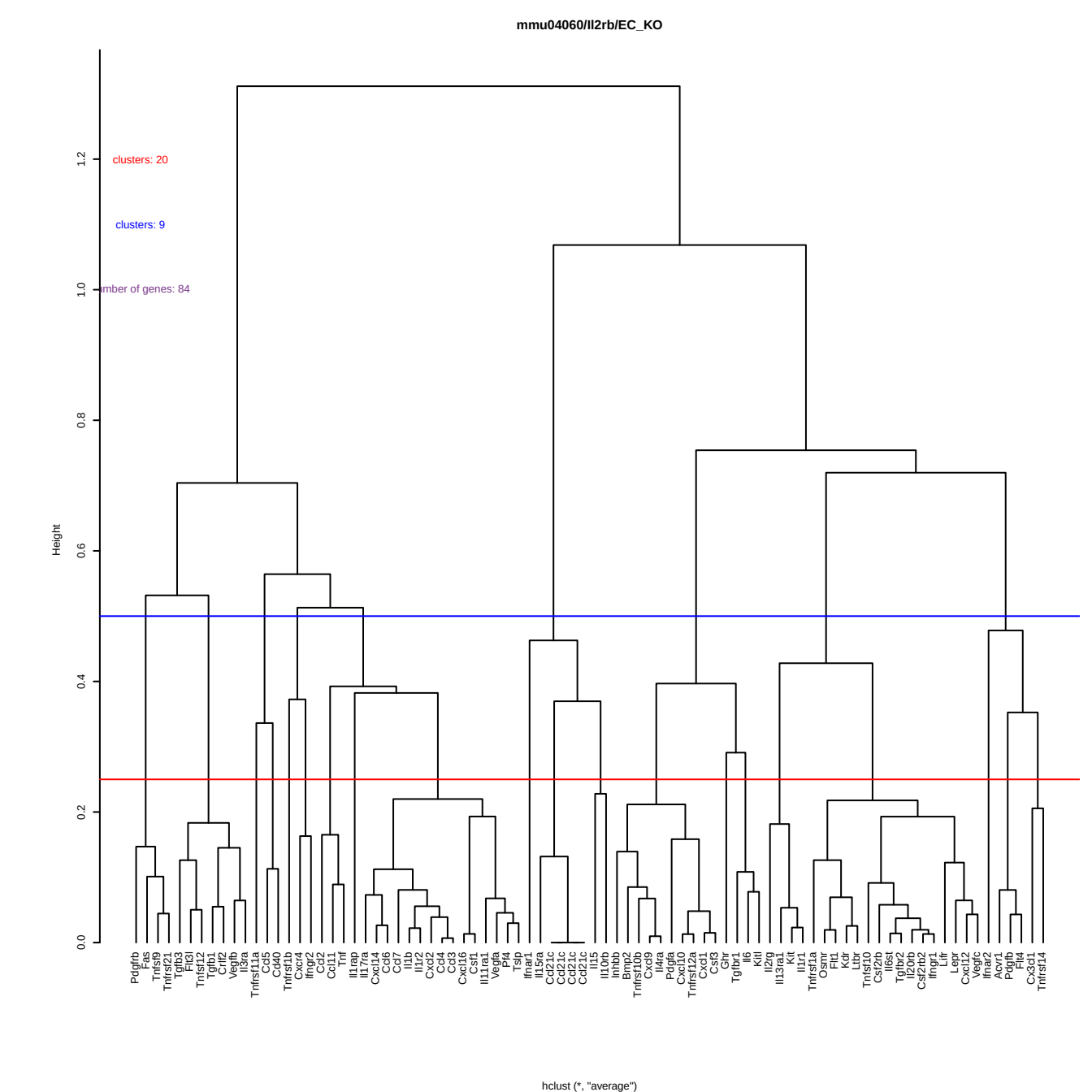
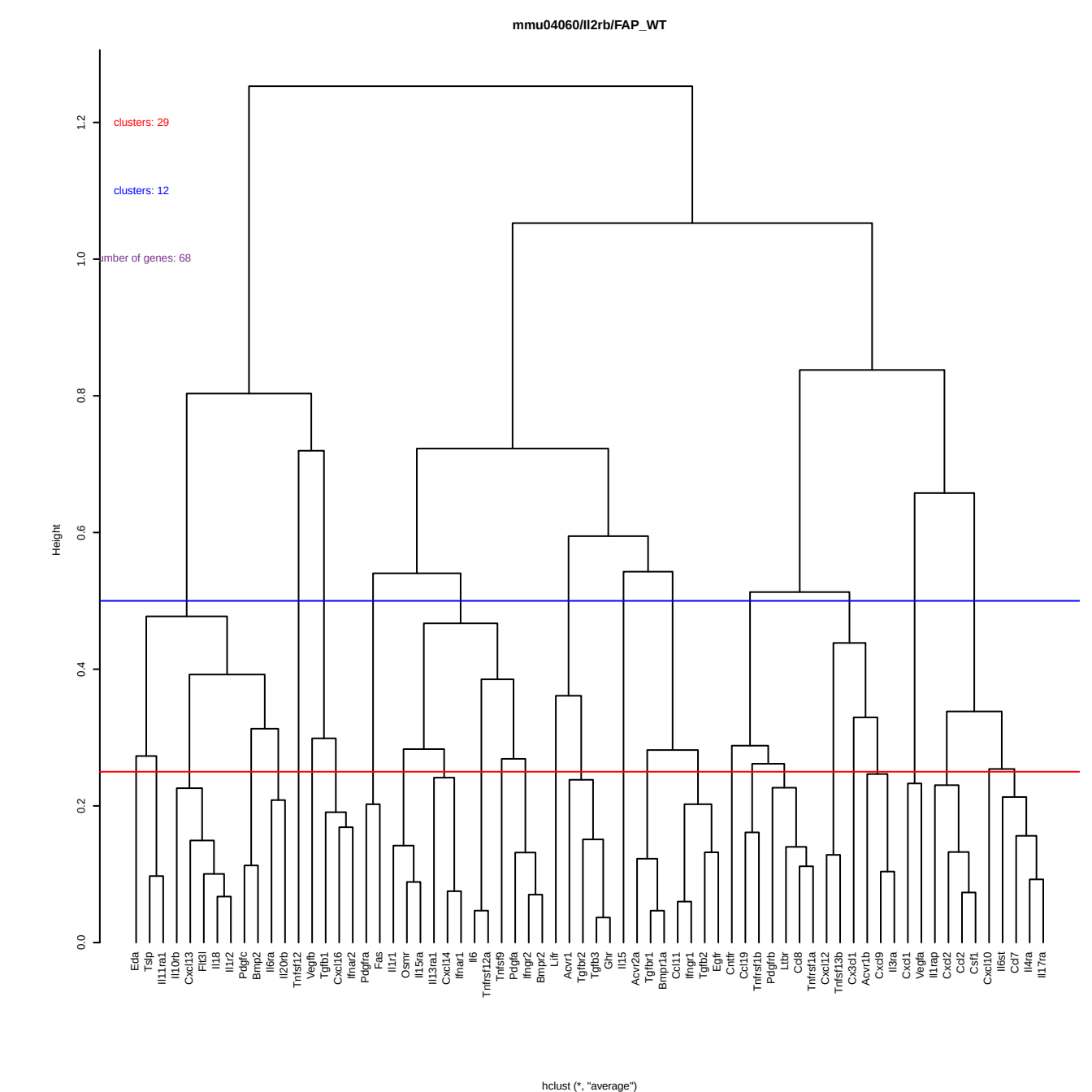
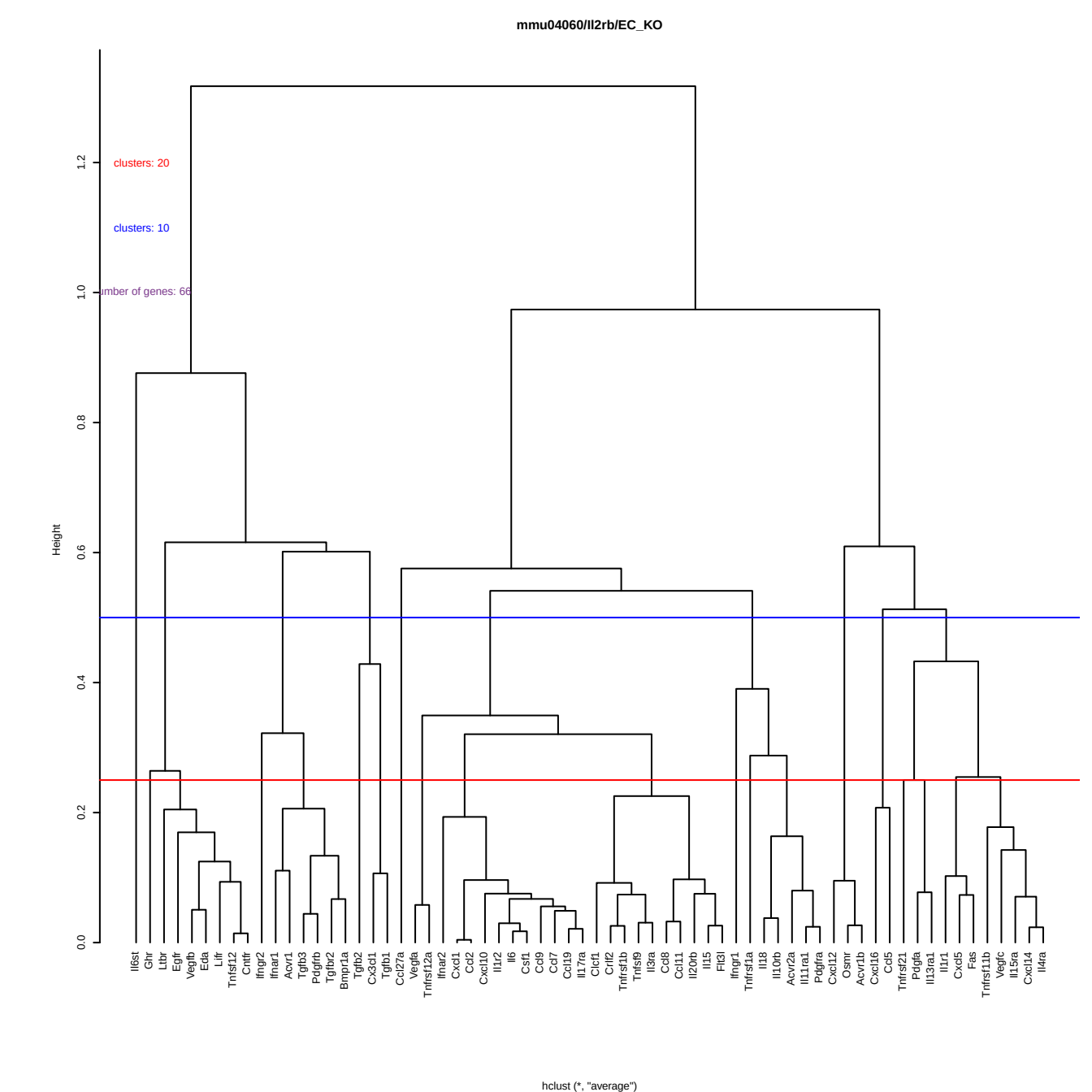
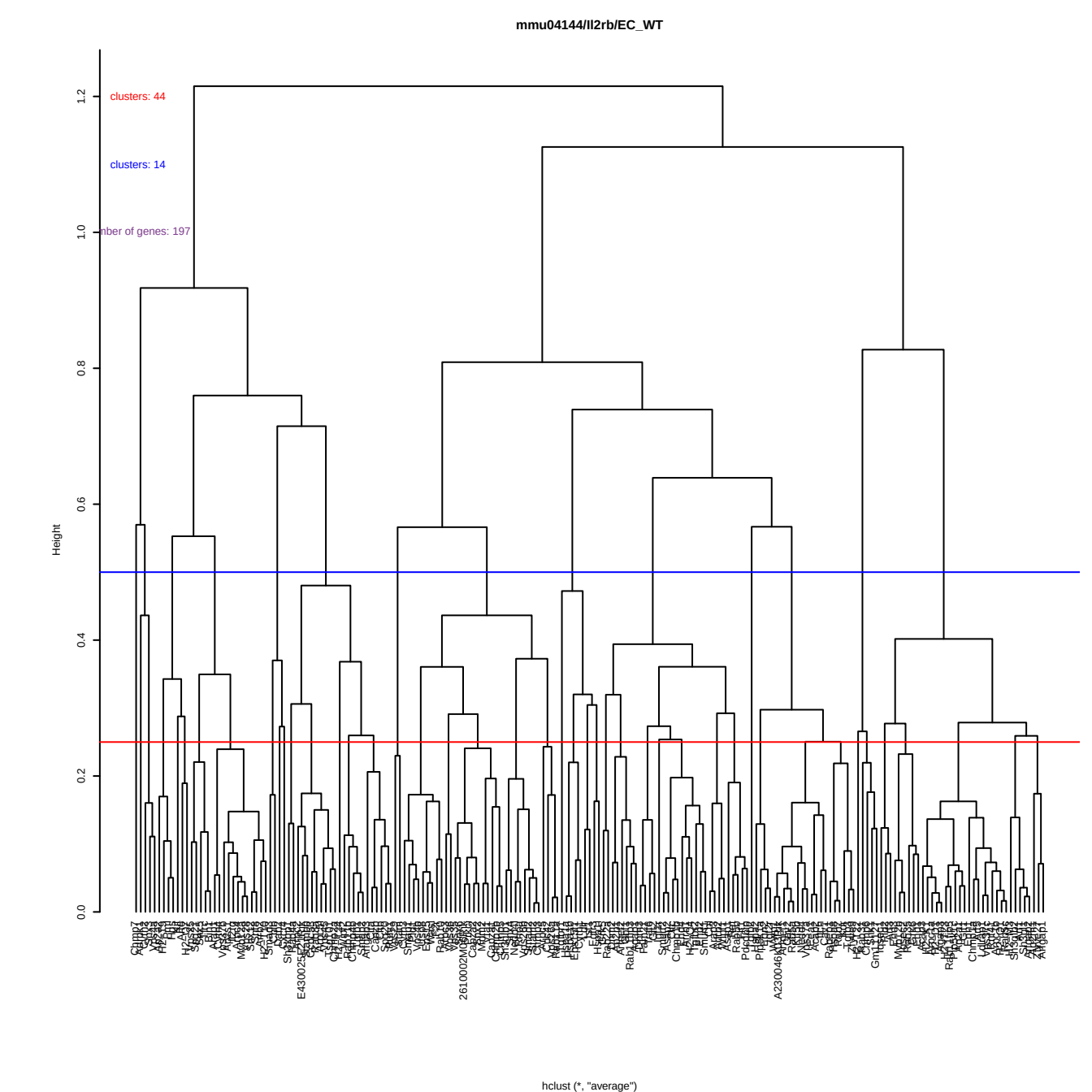
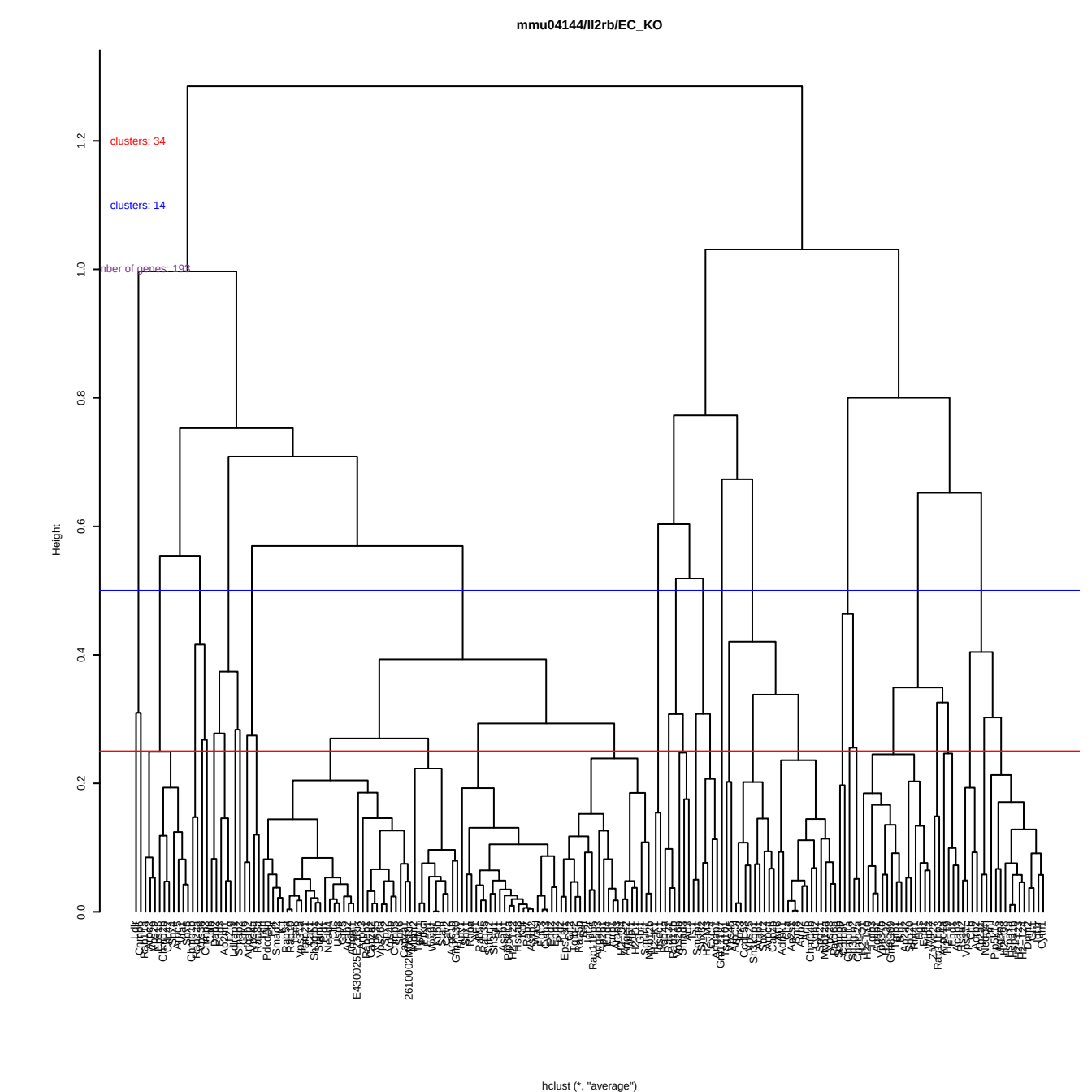

mmu04060/Il2rb/EC_WT
clusters: 28
clusters: 11
mber of genes: 79
Height
0.0
0.2
0.4
0.6
0.8
1.0
1.2
Vegfb
Cxcl14
Il2rg
Kit
Cxcl9
Tnfrsf1b
Il3ra
Crlf2
Tnf
Cd40
Tnfsf9
Ifngr2
Tnfsf12
Il4ra
Vegfa
Ccl2
Inhbb
Ccl6
Pf4
Cxcl2
Il17ra
Cxcl16
Il10ra
Acvr1
Il10rb
Tnfrsf21
Il11ra1
Tnfrsf14
Ifnar1
Ifnar2
Tgfb1
Bmp2
Il15
Tslp
Cxcr4
Tnfsf13
Ccl27a
Flt3l
Tnfrsf10b
Cxcl10
Tnfrsf12a
Flt4
Csf2rb2
Acvr1b
Pdgfa
Pdgfb
Cx3cl1
Ltbr
Il20rb
Csf2rb
Tnfrsf1a
Csf1
Il15ra
Fas
Tgfbr1
Cxcl1
Il6
Tgfb2
Ghr
Il13ra1
Eda2r
Cxcl12
Pdgfrb
Flt1
Lepr
Ifngr1
Bmpr2
Tgfb3
Kdr
Vegfc
Acvr2a
Pdgfd
Kitl
Tnfsf10
Tgfbr2
Il1r1
Lifr
Il6st
Osmr
hclust (*, "average")

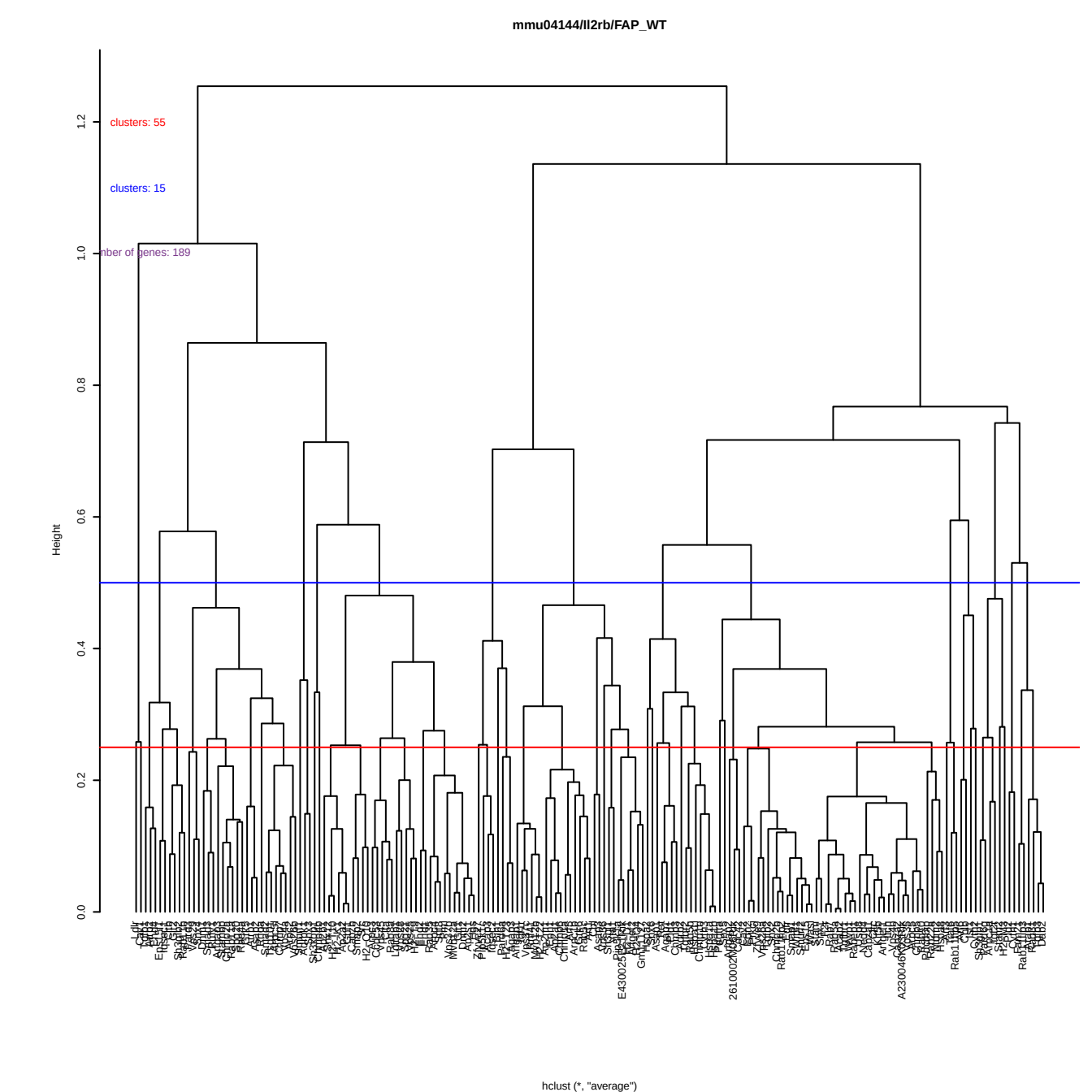

mmu04060/Il2rb/EC_KO
clusters: 20
clusters: 9
mber of genes: 84
Height
0.0
0.2
0.4
0.6
0.8
1.0
1.2
Pdgfrb
Fas
Tnfsf9
Tnfrsf21
Tgfb3
Flt3l
Tnfsf12
Tgfb1
Crlf2
Vegfb
Il3ra
Tnfrsf11a
Ccl5
Cd40
Tnfrsf1b
Cxcr4
Ifngr2
Cd2
Ccl11
Tnf
Il1rap
Il17ra
Cxcl14
Ccl6
Ccl7
Il1f7
Il1r2
Cxcl2
Ccl4
Ccl3
Cxcl16
Csf1
Il11ra1
Vegfa
Pf4
Tslp
Ifnar1
Il15ra
Ccl21c
Ccl21c
Ccl21c
Ccl21c
Il15
Il10rb
Inhbb
Bmp2
Tnfrsf10b
Cxcl9
Il4ra
Pdgfa
Cxcl10
Tnfrsf12a
Cxcl1
Csf3
Ghr
Tgfbr1
Il6
Kitl
Il2rg
Il13ra1
Kit
Il1r1
Tnfrsf1a
Osmr
Flt1
Kdr
Ltbr
Tnfsf10
Csf2rb
Il6st
Tgfbr2
Il20rb
Csf2rb2
Ifngr1
Jak1
Lepr
Cxcl12
Vegfc
Ifnar2
Acvr1
Pdgfb
Flt4
Cx3cl1
Tnfrsf14
hclust (*, "average")

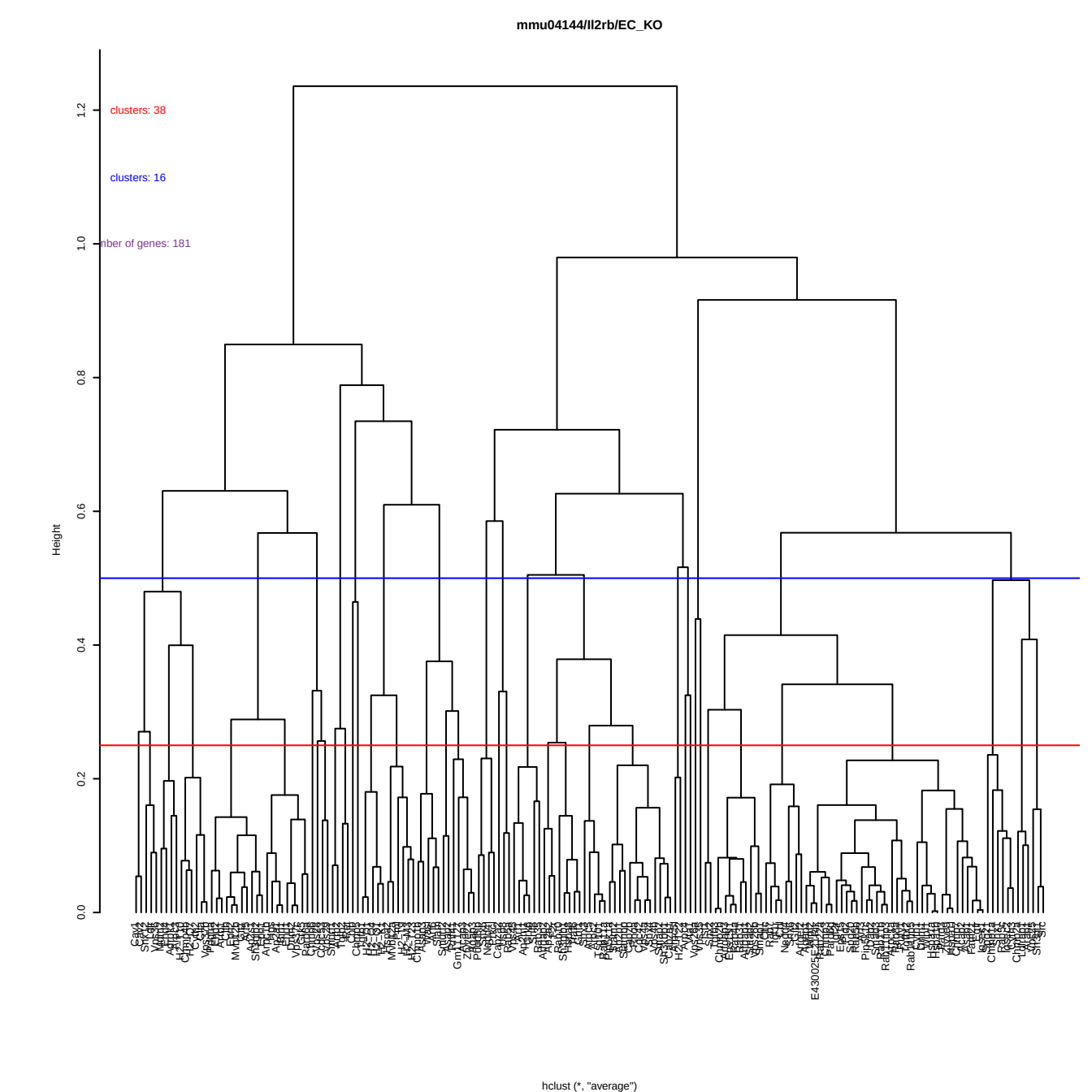

mmu04060/Il2rb/FAP_WT
clusters: 29
clusters: 12
mber of genes: 68
Height
0.0
0.2
0.4
0.6
0.8
1.0
1.2
Eda
Tslp
Il11ra1
Il10rb
Cxcl13
Flt3l
Il18
Il1r2
Pdgfc
Bmp2
Il6ra
Il20rb
Tnfsf12
Vegfb
Tgfb1
Cxcl16
Ifnar2
Pdgfra
Fas
Il1r1
Osmr
Il15ra
Il13ra1
Cxcl14
Ifnar1
Il6
Tnfrsf12a
Tnfsf9
Pdgfa
Ifngr2
Bmpr2
Lifr
Acvr1
Tgfbr2
Tgfb3
Ghr
Il15
Acvr2a
Tgfbr1
Bmpr1a
Ccl11
Ifngr1
Tgfb2
Egfr
Cntfr
Ccl19
Tnfrsf1b
Pdgfrb
Ltbr
Ccl8
Tnfrsf1a
Cxcl12
Tnfsf13b
Cx3cl1
Acvr1b
Cxcl9
Il3ra
Cxcl1
Vegfa
Il1rap
Cxcl2
Ccl2
Csf1
Cxcl10
Il6st
Ccl7
Il4ra
Il17ra
hclust (*, "average")

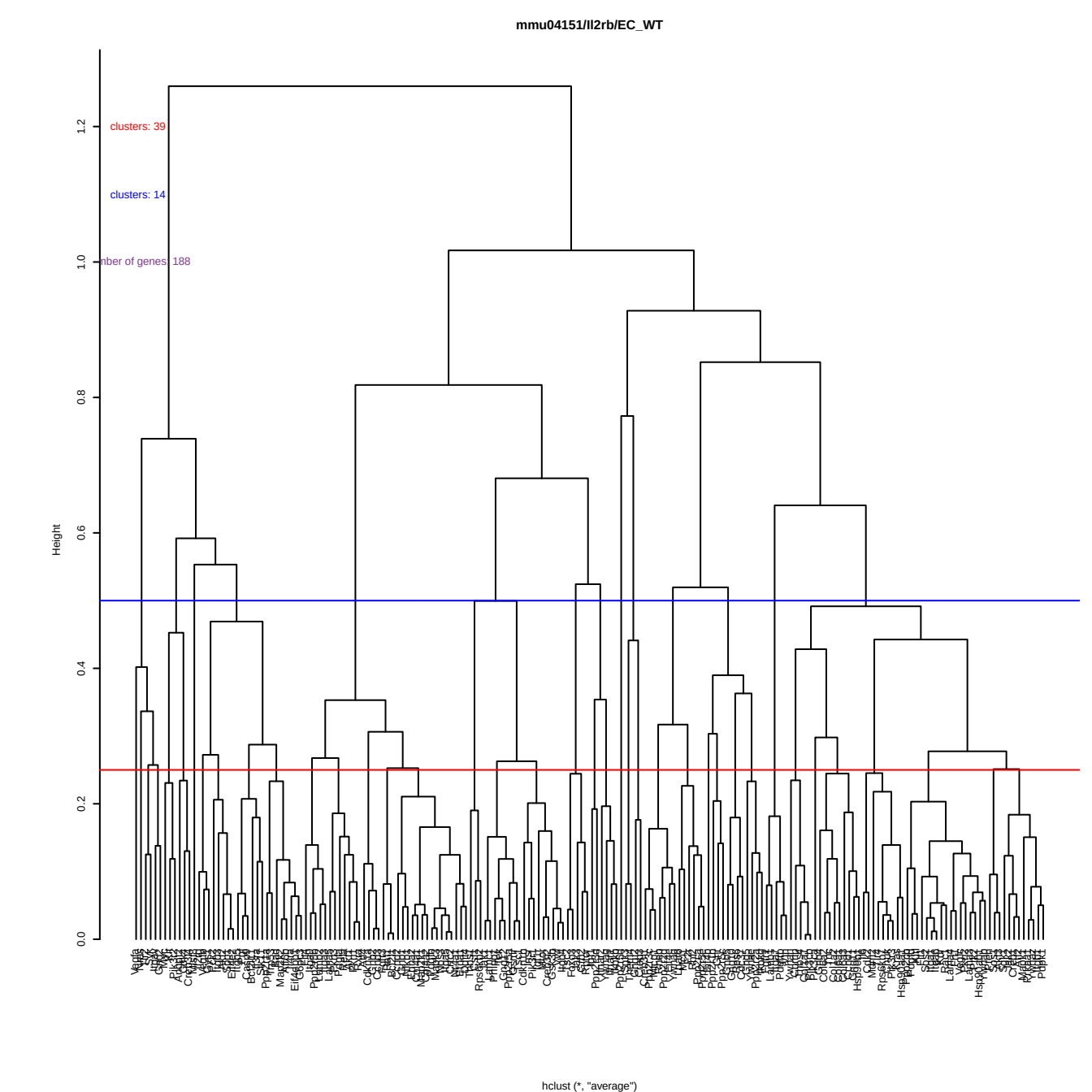

mmu04060/Il2rb/EC_KO
clusters: 20
clusters: 10
mber of genes: 66
Height
0.0
0.2
0.4
0.6
0.8
1.0
1.2
Il6st
Ghr
Ltbr
Egfr
Vegfb
Eda
Lifr
Tnfsf12
Cntfr
Ifngr2
Ifnar1
Acvr1
Tgfb3
Pdgfrb
Tgfbr2
Bmpr1a
Tgfb2
Cx3cl1
Tgfb1
Ccl27a
Vegfa
Tnfrsf12a
Ifnar2
Cxcl1
Ccl2
Cxcl10
Il1r2
Il6
Cst1
Ccl9
Ccl7
Ccl19
Il17ra
Clcf1
Crlf2
Tnfrsf1b
Tnfsf9
Il3ra
Ccl8
Ccl11
Il20rb
Il15
Flt3l
Ifngr1
Tnfrsf1a
Il18
Il10rb
Acvr2a
Il11ra1
Pdgfra
Cxcl12
Osmr
Acvr1b
Cxcl16
Ccl5
Tnfrsf21
Pdgfa
Il13ra1
Il1r1
Cxcl5
Fas
Tnfrsf11b
Vegfc
Il15ra
Cxcl14
Il4ra
hclust (*, "average")

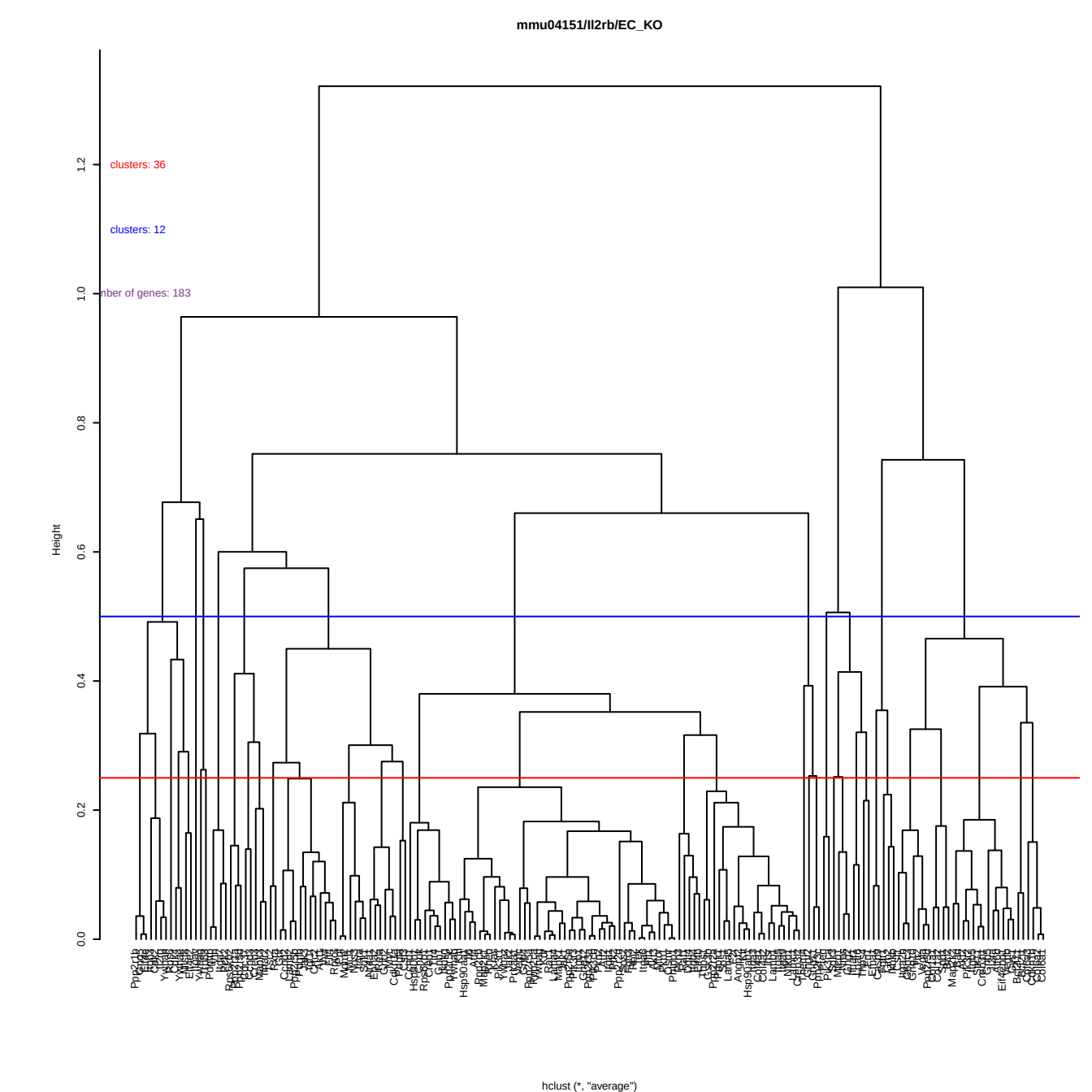

mmu04144/Il2rb/EC_WT
clusters: 44
clusters: 14
nber of genes: 197
Height
0.0
0.2
0.4
0.6
0.8
1.0
1.2
hclust (*, "average")

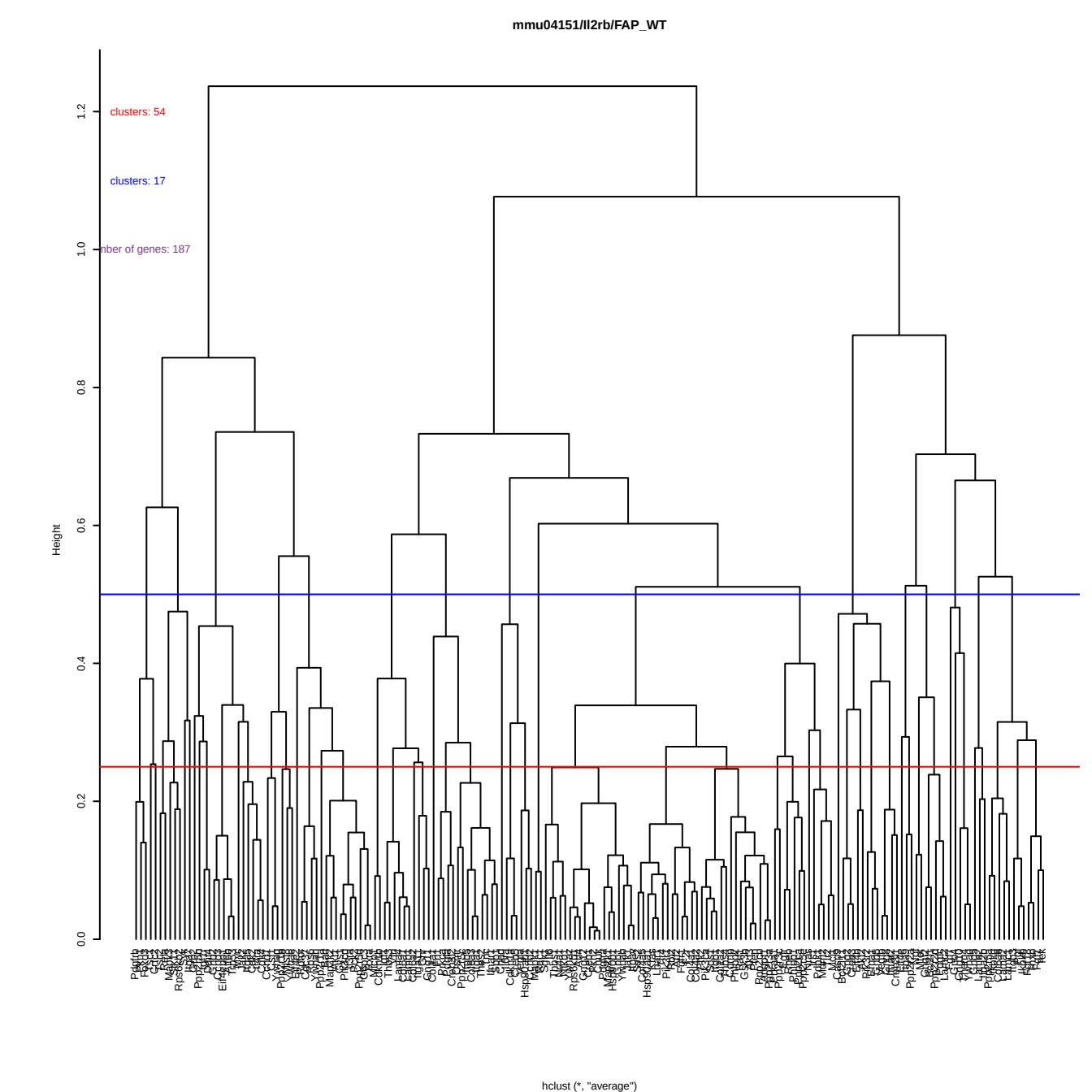

mmu04144/Il2rb/EC_KO
clusters: 34
clusters: 14
nber of genes: 193
Height
0.0
0.2
0.4
0.6
0.8
1.0
1.2
hclust (*, "average")

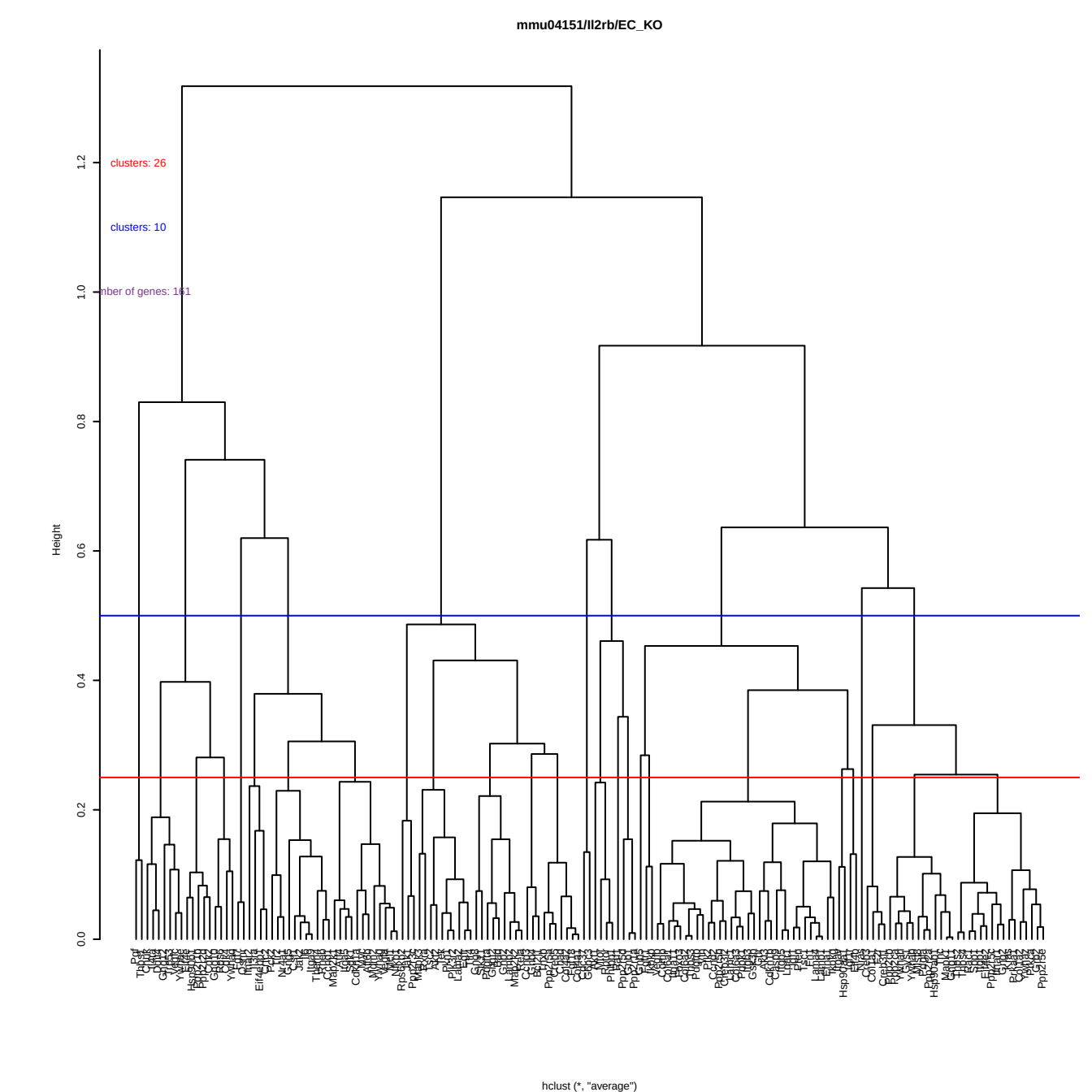

mmu04144/Il2rb/FAP_WT
clusters: 55
clusters: 15
nber of genes: 189
Height
0.0
0.2
0.4
0.6
0.8
1.0
1.2
hclust (*, "average")

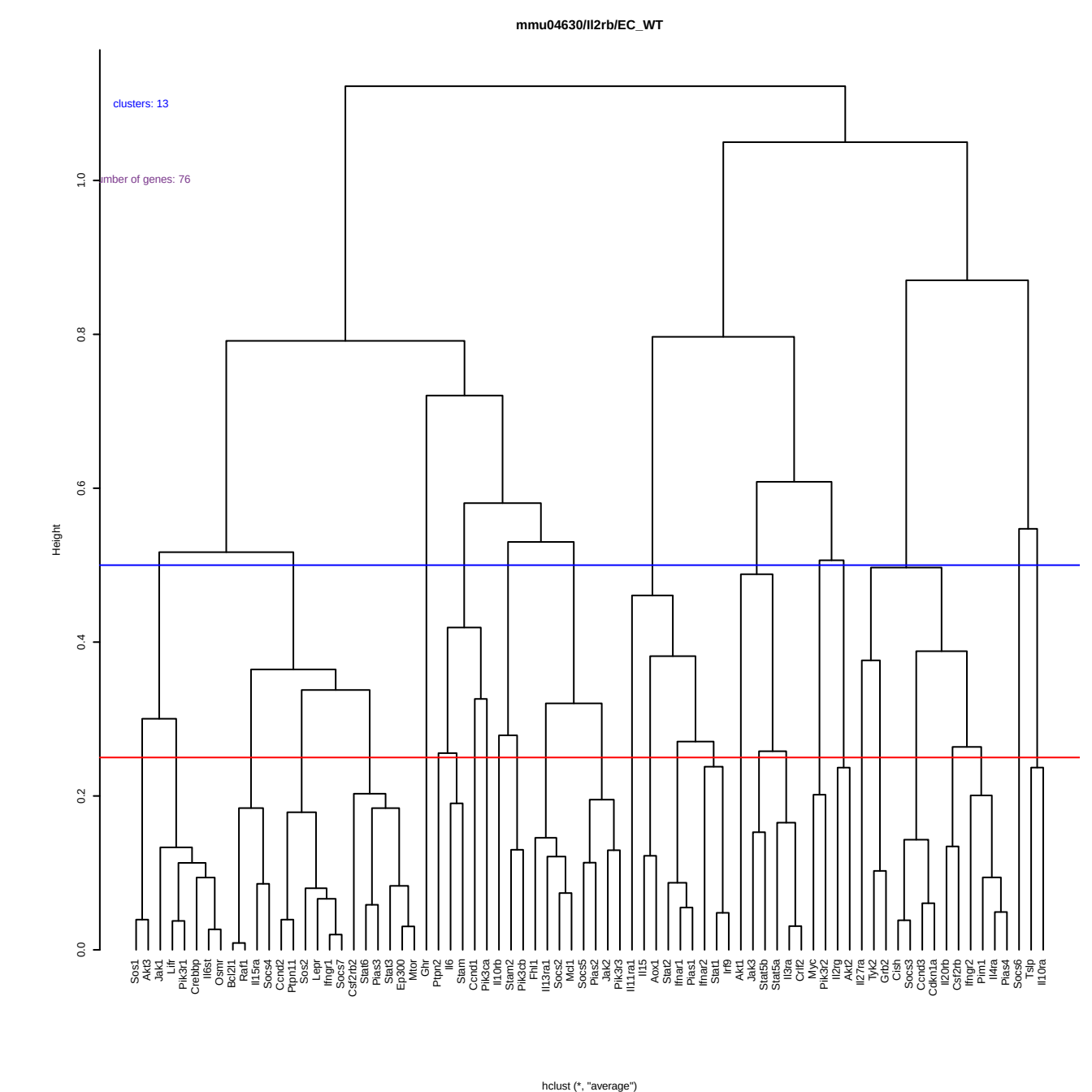

mmu04144/Il2rb/EC_KO
clusters: 38
clusters: 16
nber of genes: 181
Height
0.0
0.2
0.4
0.6
0.8
1.0
1.2
hclust (*, "average")

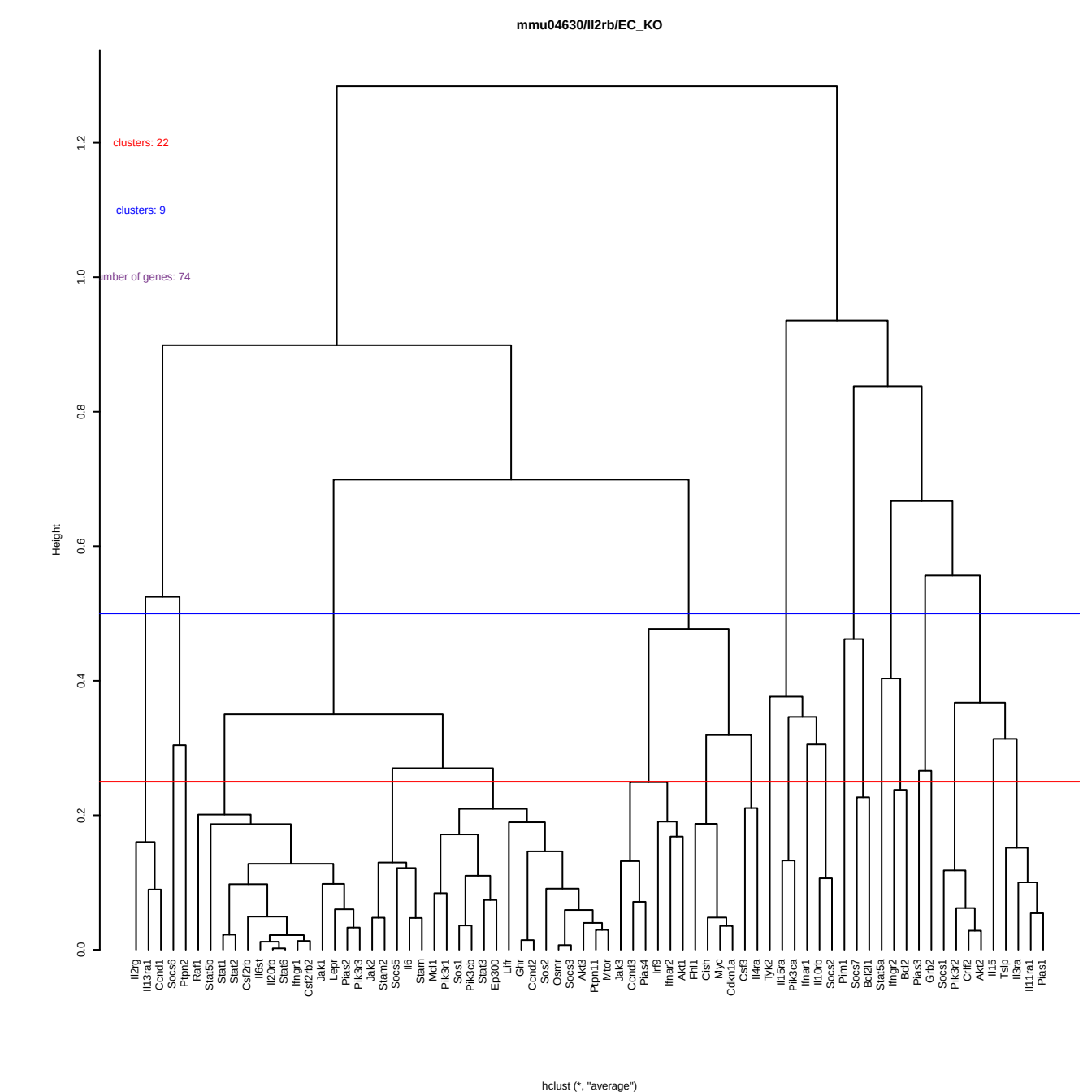

mmu04151/Il2rb/EC_WT
clusters: 39
clusters: 14
nber of genes: 188
Height
0.0
0.2
0.4
0.6
0.8
1.0
1.2
hclust (*, "average")

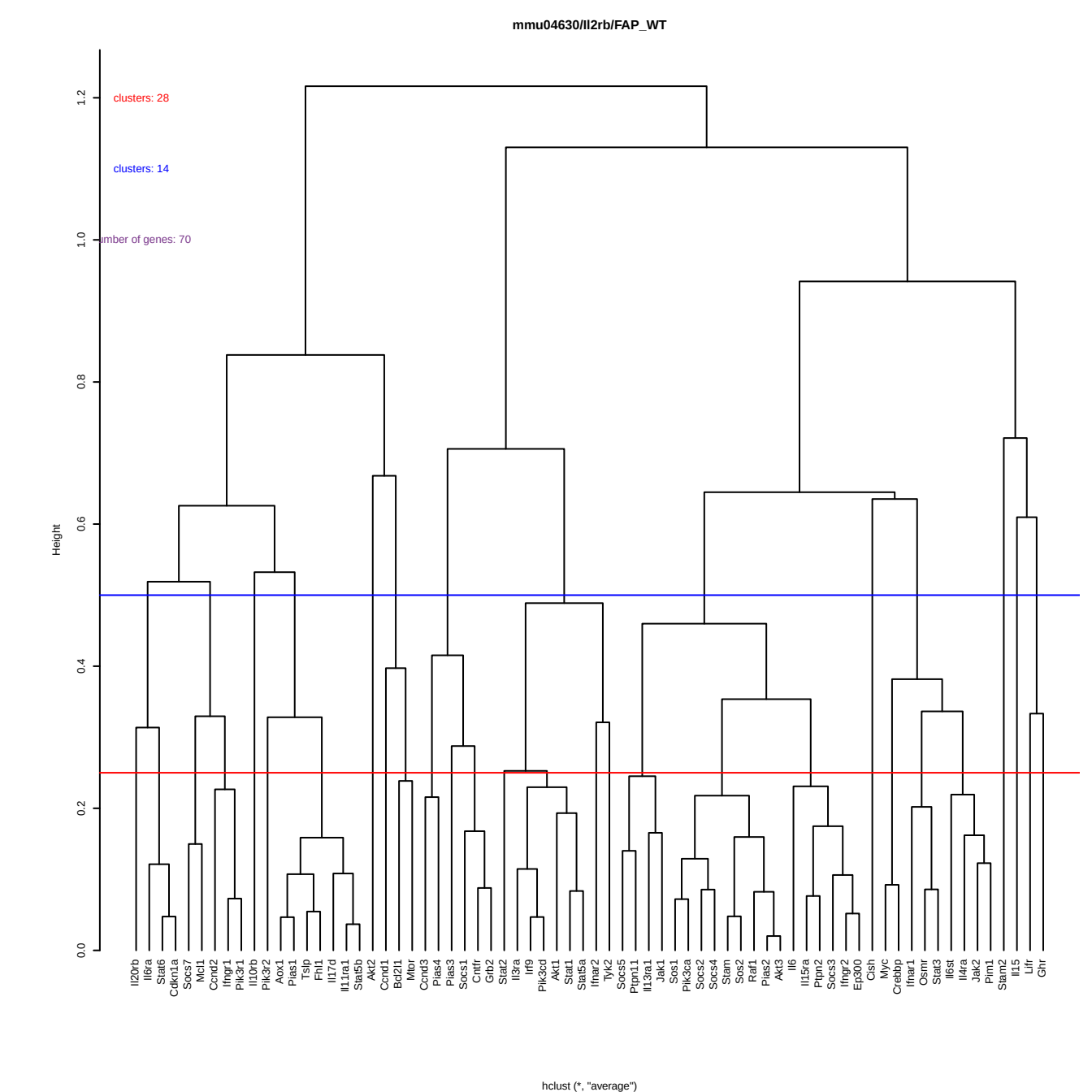

mmu04151/Il2rb/EC_KO
clusters: 36
clusters: 12
nber of genes: 183
Height
0.0
0.2
0.4
0.6
0.8
1.0
1.2
hclust (*, "average")

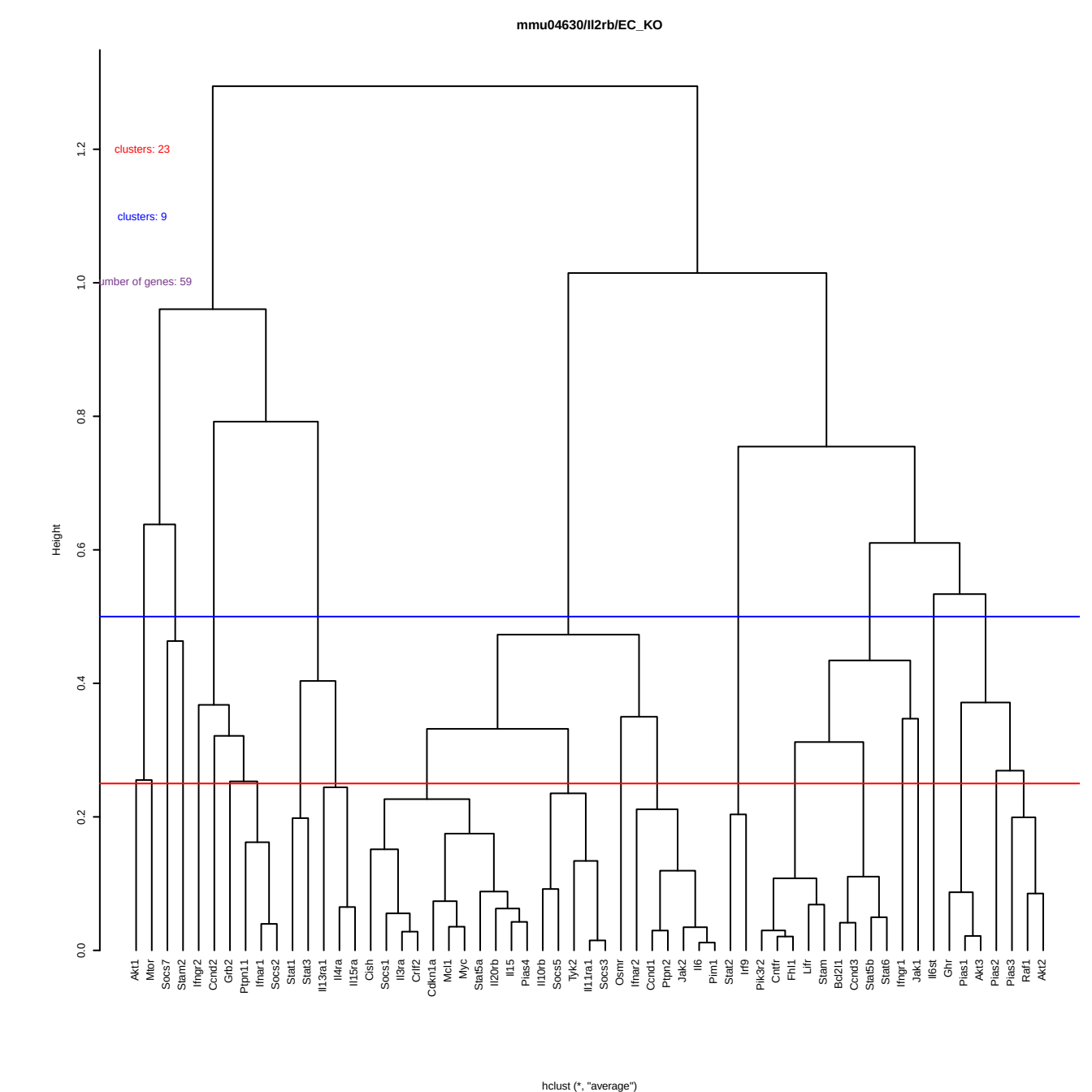

mmu04151/Il2rb/FAP_WT
clusters: 54
clusters: 17
nber of genes: 187
Height
0.0
0.2
0.4
0.6
0.8
1.0
1.2
hclust (*, "average")

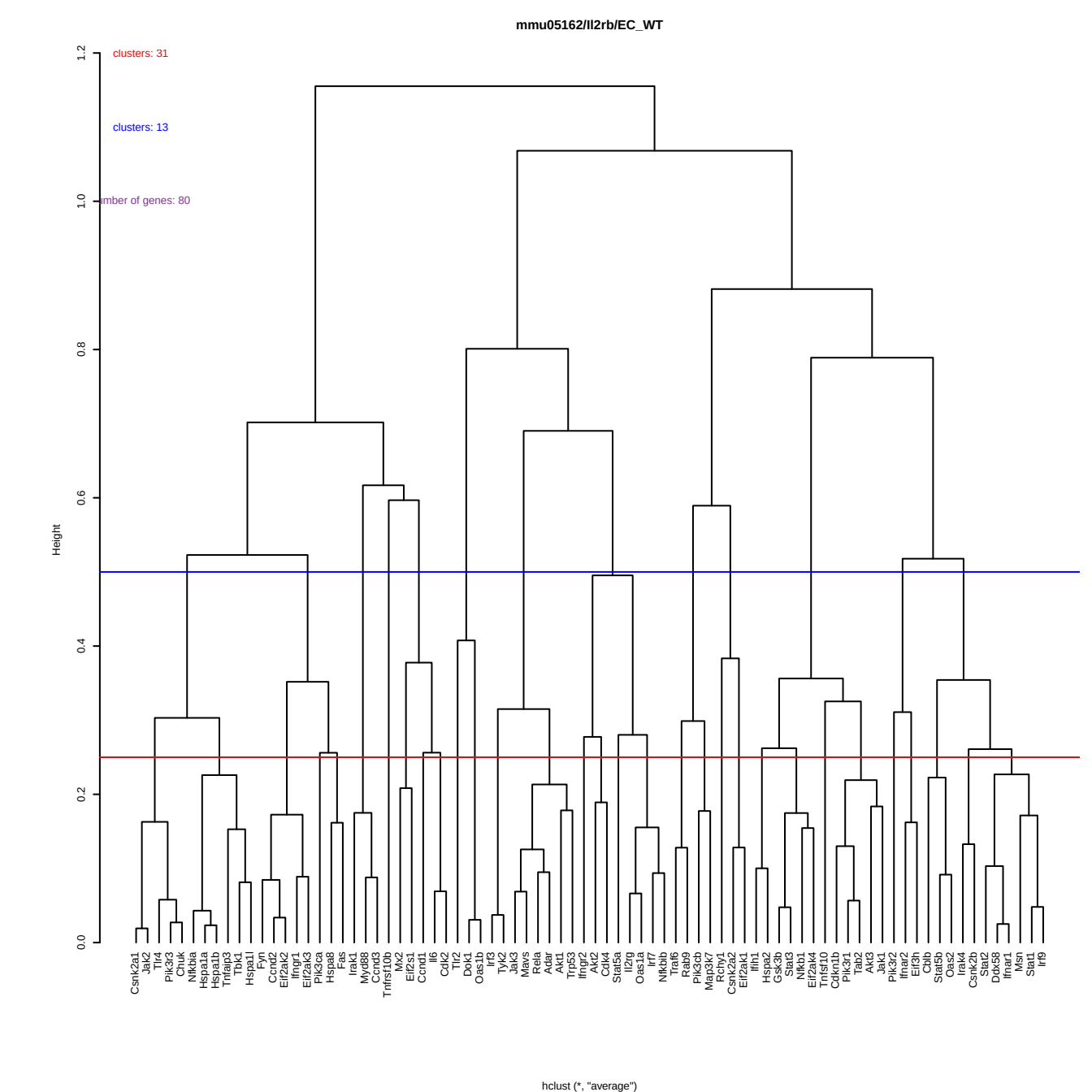

mmu04151/Il2rb/EC_KO
clusters: 26
clusters: 10
nber of genes: 161
Height
0.0
0.2
0.4
0.6
0.8
1.0
1.2
hclust (*, "average")

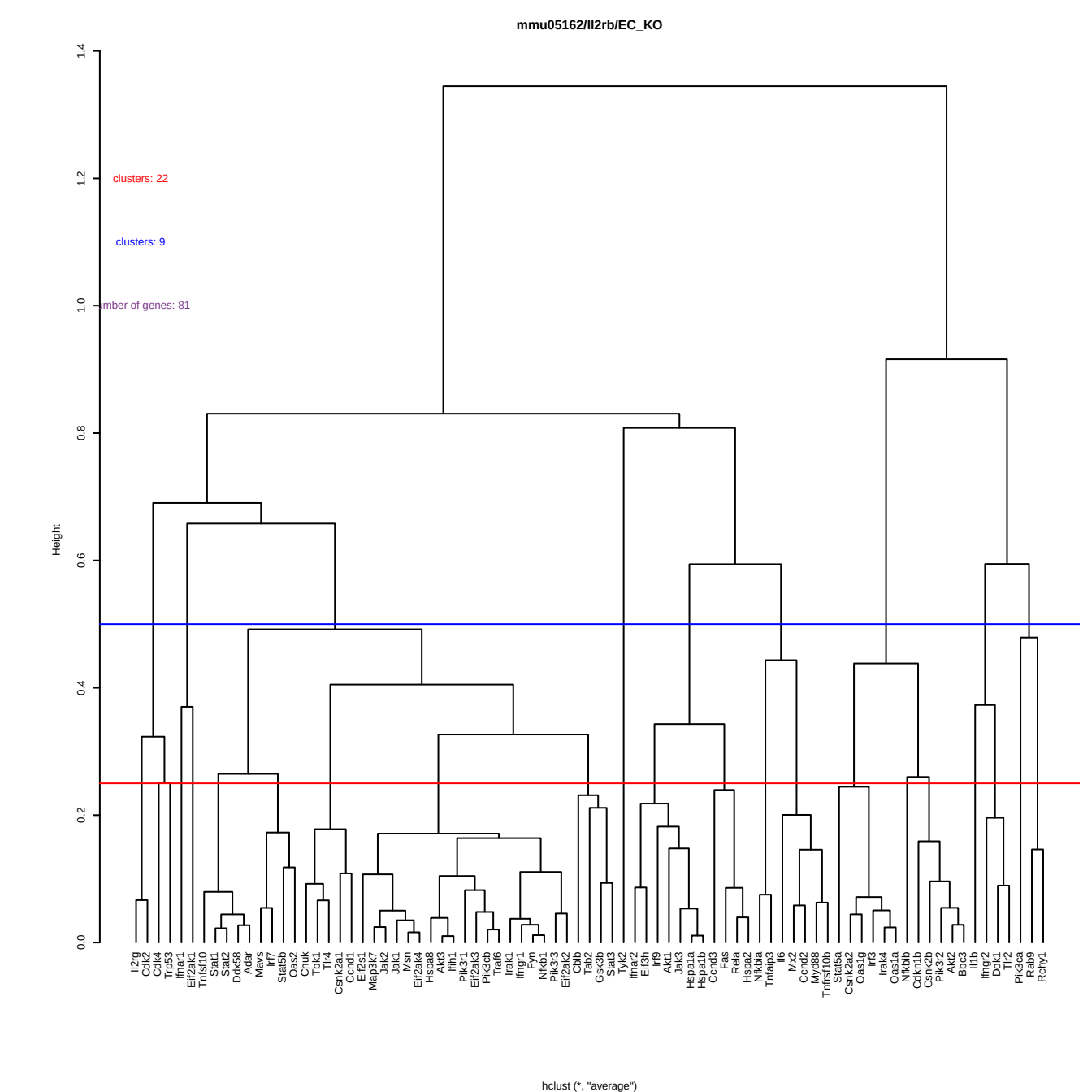

mmu04630/Il2rb/EC_WT
clusters: 13
mber of genes: 76
Height
0.0
0.2
0.4
0.6
0.8
1.0
Sos1
Akt3
Jak1
Lif
Pik3r1
Crebbp
Il6st
Osmr
Bcl2l1
Raf1
Il15ra
Socs4
Ccnd2
Ptpn11
Sos2
Lepr
Ifngr1
Sos7
Csf2rb2
Stat6
Pias3
Stat3
Ep300
Mtor
Ghr
Ptpn2
Il6
Stam
Ccnd1
Pik3ca
Il10rb
Stam2
Pik3cb
Fhl1
Il13ra1
Socs2
Mcl1
Socs5
Pias2
Jak2
Pik3r3
Il11ra1
Il15
Aox1
Stat2
Ifnar1
Pias1
Ifnar2
Stat1
Irf9
Akt1
Jak3
Stat5b
Stat5a
Il3ra
Crlf2
Myc
Pik3r2
Il2rg
Akt2
Il27ra
Tyk2
Grb2
Cish
Socs3
Ccnd3
Cdkn1a
Il20rb
Csf2rb
Ifngr2
Pim1
Il4ra
Pias4
Socs6
Tslp
Il10ra
hclust (*, "average")

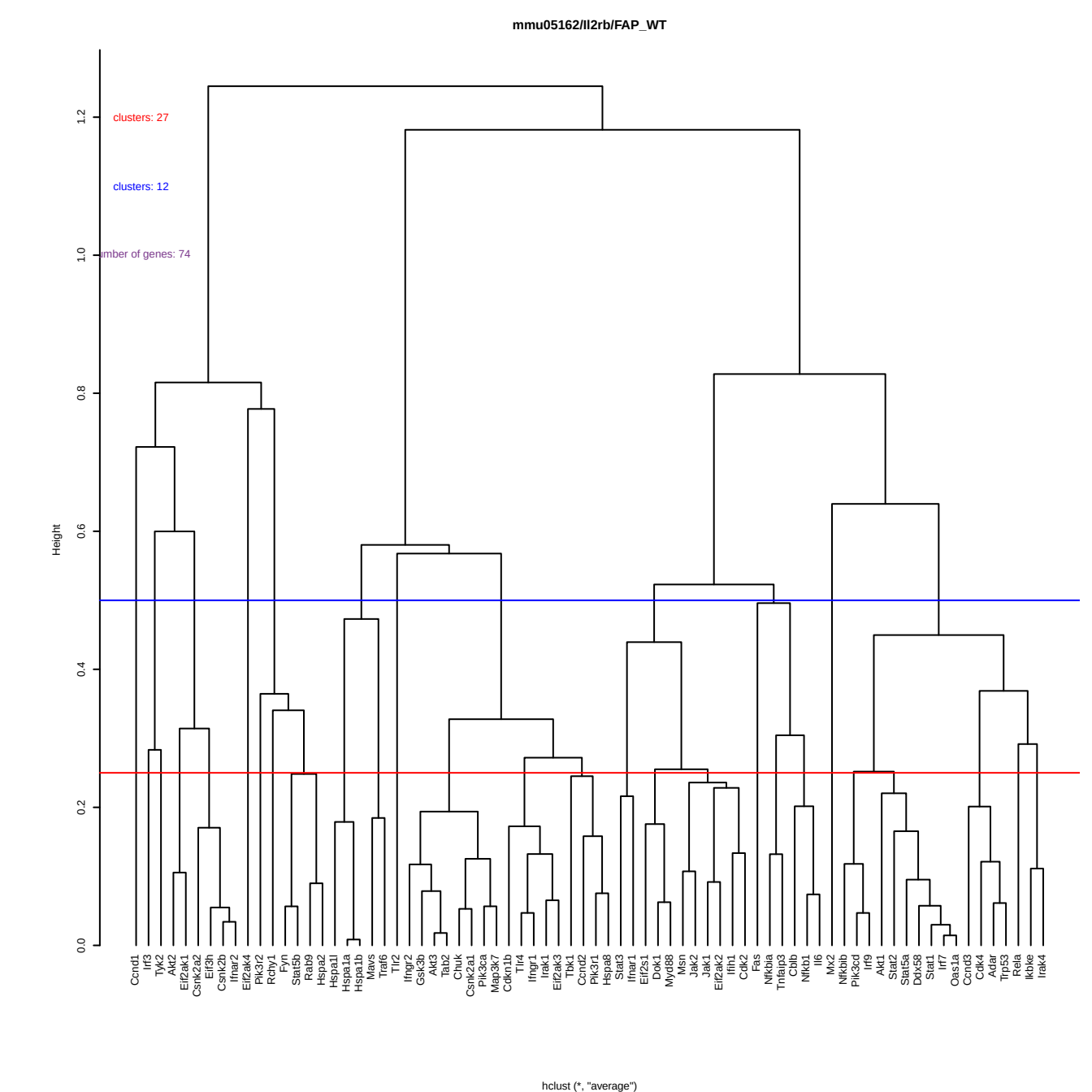

mmu04630/Il2rb/EC_KO
clusters: 22
clusters: 9
mber of genes: 74
Height
0.0
0.2
0.4
0.6
0.8
1.0
1.2
Il2rg
Il13ra1
Ccnd1
Socs6
Ptpn2
Raf1
Stat5b
Stat1
Stat2
Csf2rb
Il6st
Il20rb
Stat6
Ifngr1
Csf2rb2
Jak1
Lepr
Pias2
Pik3r3
Jak2
Stam2
Socs5
Il6
Stam
Mdi1
Pik3r1
Sos1
Pik3cb
Stat3
Ep300
Lifr
Ghr
Ccnd2
Sos2
Osmr
Socs3
Akt3
Ptpn11
Mtor
Jak3
Ccnd3
Pias4
Irf9
Ifnar2
Akt1
Fhl1
Cish
Myc
Cdkn1a
Csf3
Il4ra
Tyk2
Il15ra
Pik3ca
Ifnar1
Il10rb
Socs2
Pim1
Socs7
Bcl2l1
Stat5a
Ifngr2
Bcl2
Pias3
Grb2
Socs1
Pik3r2
Crlf2
Akt2
Il15
Tslp
Il3ra
Il11ra1
Pias1
hclust (*, "average")

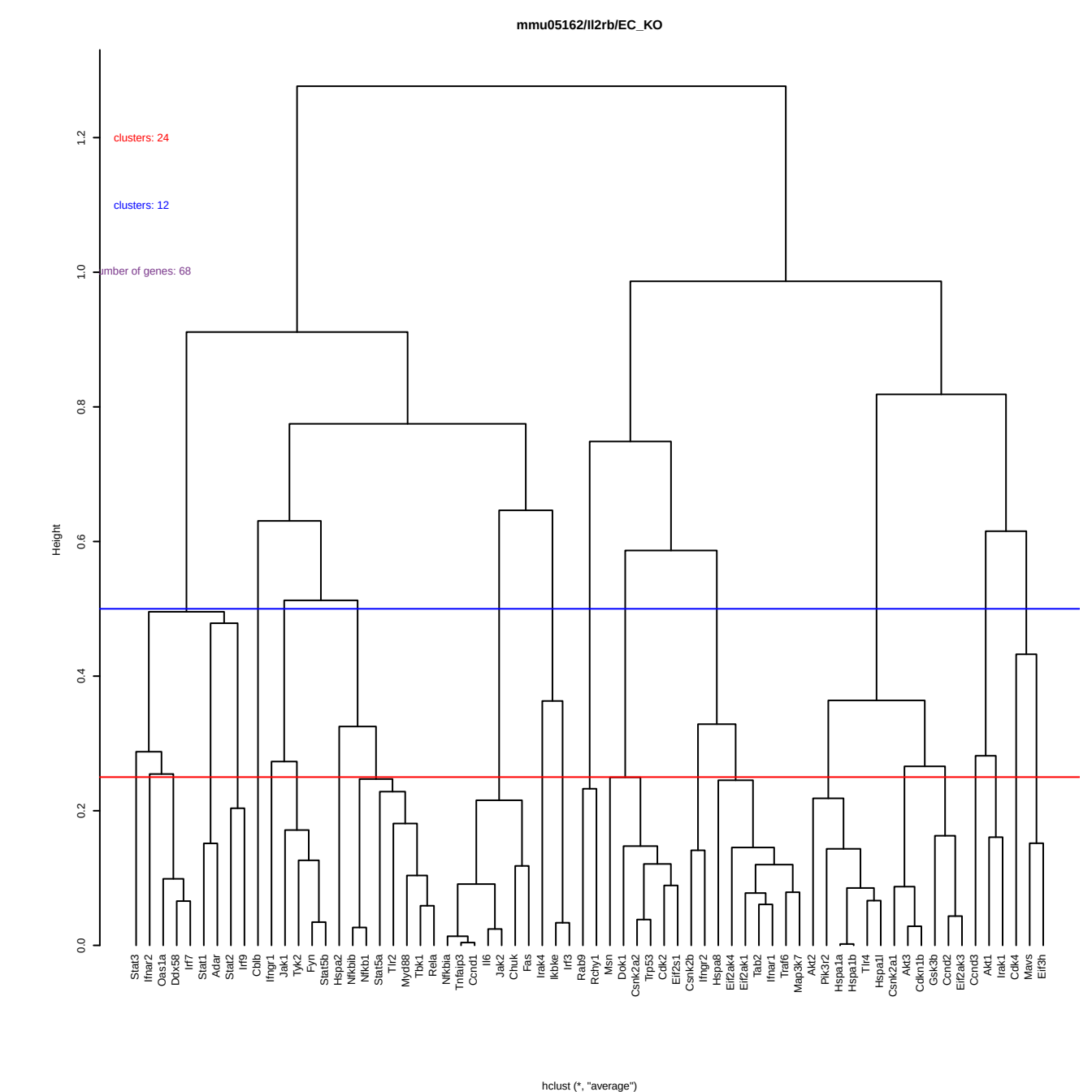

mmu04630/Il2rb/FAP_WT
clusters: 28
clusters: 14
mber of genes: 70
Height
0.0
0.2
0.4
0.6
0.8
1.0
1.2
Il20rb
Il6ra
Stat6
Cdkn1a
Socs7
Mcl1
Ccnd2
Ifngr1
Pik3r1
Il10rb
Pik3r2
Aox1
Pias1
Tslp
Fhl1
Il17d
Il11ra1
Stat5b
Akt2
Ccnd1
Bcl2l1
Mtor
Ccnd3
Pias4
Pias3
Socs1
Cntfr
Grb2
Stat2
Il3ra
Irf9
Pik3cd
Akt1
Stat1
Stat5a
Ifnar2
Tyk2
Socs5
Ptpn11
Il13ra1
Jak1
Sos1
Pik3ca
Socs2
Socs4
Stam
Sos2
Raf1
Pias2
Akt3
Il6
Il15ra
Ptpn2
Socs3
Ifngr2
Ep300
Cish
Myc
Crebbp
Ifnar1
Osmr
Stat3
Il6st
Il4ra
Jak2
Pim1
Stam2
Il15
Lifr
Ghr
hclust (*, "average")

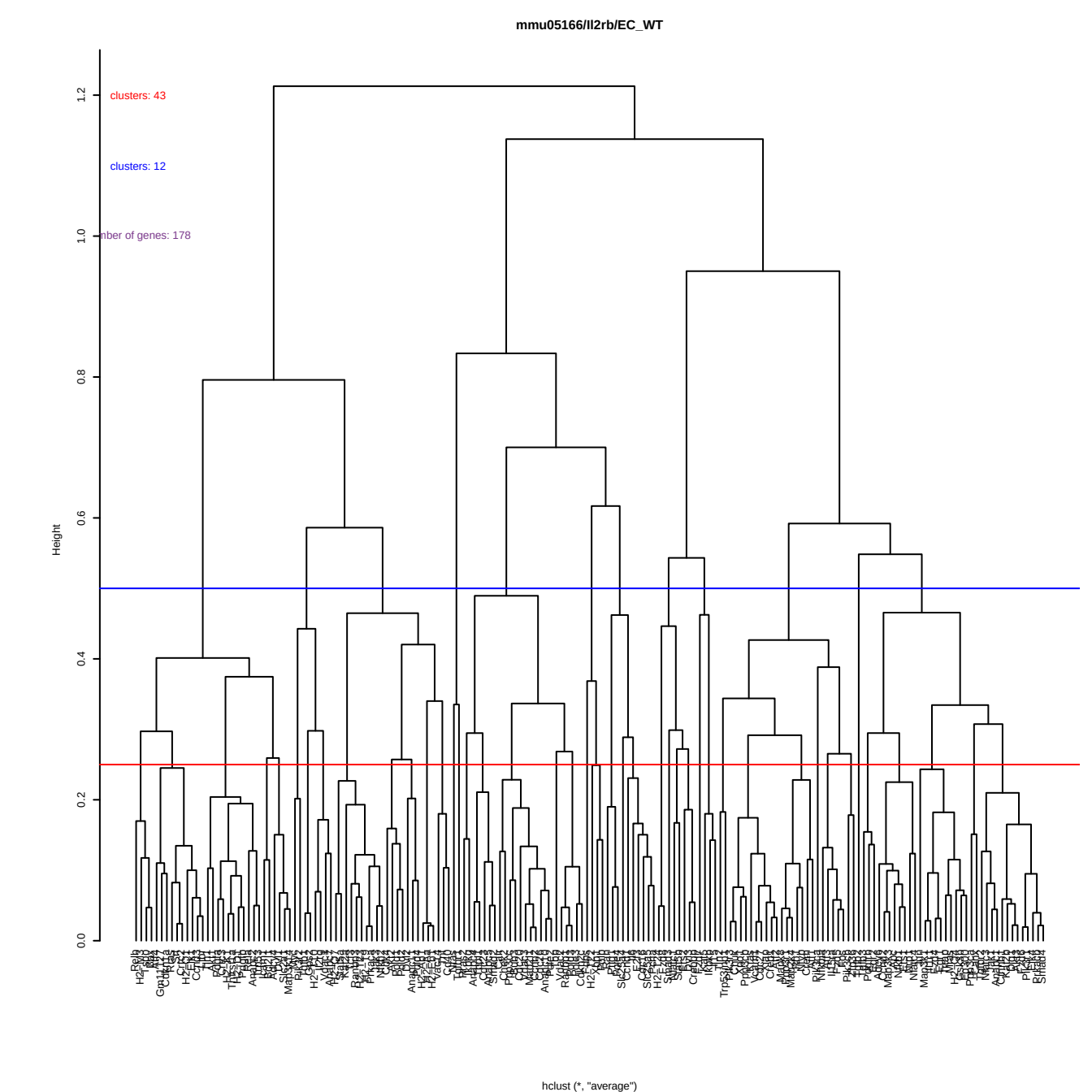

mmu04630/Il2rb/EC_KO
clusters: 23
clusters: 9
umber of genes: 59
Height
0.0
0.2
0.4
0.6
0.8
1.0
1.2
Akt1
Mtor
Socs7
Stam2
Ifngr2
Ccnd2
Grb2
Ptpn11
Ifnar1
Socs2
Stat1
Stat3
Il13ra1
Il4ra
Il15ra
Cish
Socs1
Il3ra
Crlf2
Cdkn1a
Mcl1
Myc
Stat5a
Il20rb
Il15
Pias4
Il10rb
Socs5
Tyk2
Il11ra1
Socs3
Osmr
Ifnar2
Ccnd1
Ptpn2
Jak2
Il6
Pim1
Stat2
Irf9
Pik3r2
Cntfr
Fhl1
Lifr
Stam
Bcl2l1
Ccnd3
Stat5b
Stat6
Ifngr1
Jak1
Il6st
Ghr
Pias1
Akt3
Pias2
Pias3
Raf1
Akt2
hclust (*, "average")

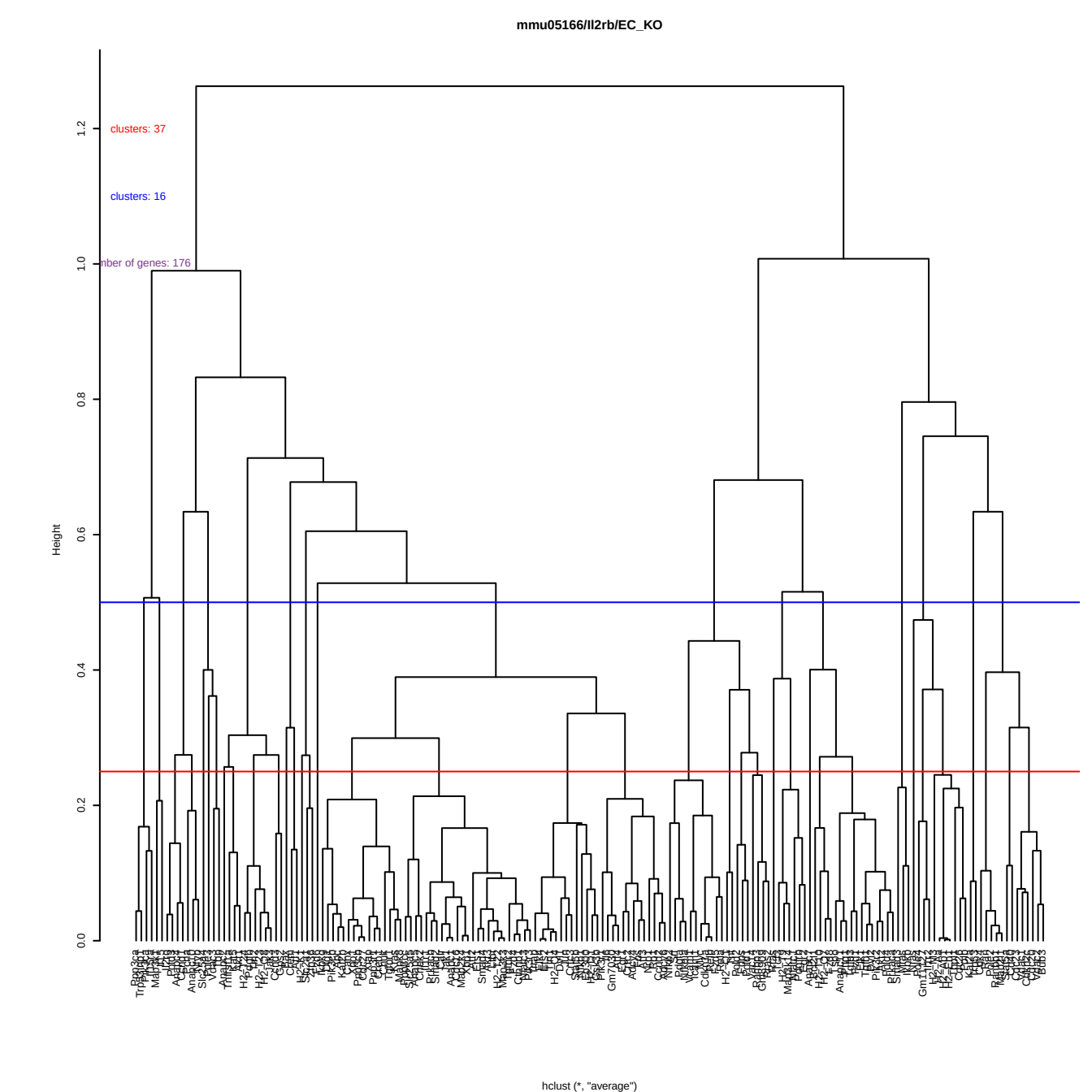

mmu05162/Il2rb/EC_WT
clusters: 31
clusters: 13
mber of genes: 80
Height
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Csnk2a1
Jak2
Tlr4
Pik3r3
Chuk
Nfkbia
Hspa1a
Hspa1b
Tnfaip3
Tbk1
Hspa1l
Fyn
Ccnd2
Eif2ak2
Ifngr1
Eif2ak3
Pik3ca
Hspa8
Fas
Irak1
Myd88
Ccnd3
Tnfrsf10b
Mx2
Eif2s1
Ccnd1
Il6
Cdk2
Tlr2
Dok1
Oas1b
Irf3
Tyk2
Jak3
Mavs
Rela
Adar
Akt1
Trp53
Ifngr2
Akt2
Cdk4
Stat5a
Il2rg
Oas1a
Irf7
Nfkbib
Traf6
Rab9
Pik3cb
Map3k7
Rchy1
Csnk2a2
Eif2ak1
Ifih1
Hspa2
Gsk3b
Stat3
Nfkb1
Eif2ak4
Tnfsf10
Cdkn1b
Pik3r1
Tab2
Akt3
Jak1
Pik3r2
Ifnar2
Eif3h
Cblb
Stat5b
Oas2
Irak4
Csnk2b
Stat2
Ddx58
Ifnar1
Msn
Stat1
Irf9
hclust (*, "average")

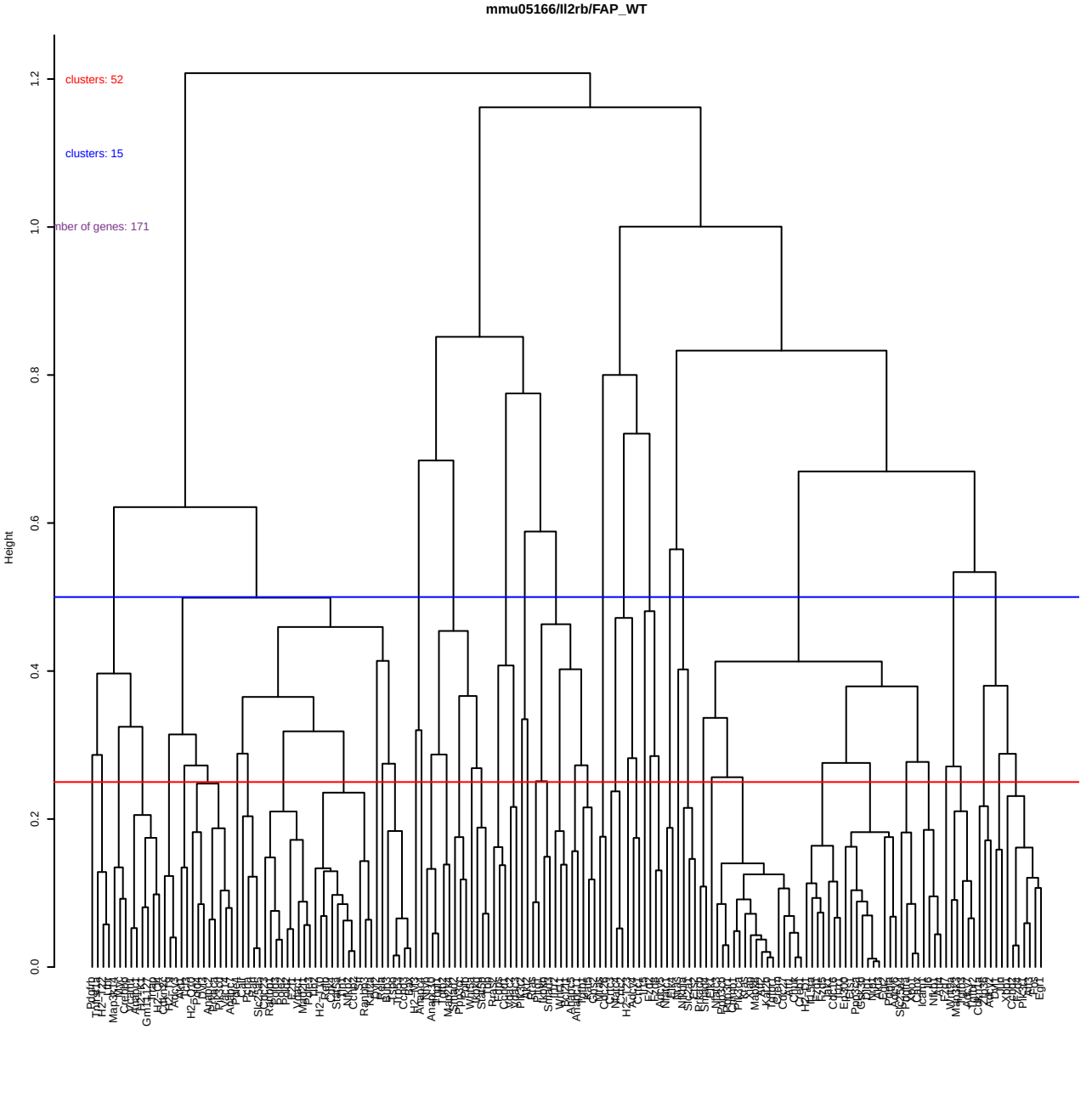

mmu05162/Il2rb/EC_KO
clusters: 22
clusters: 9
mber of genes: 81
Height
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
Il2rg
Cdk2
Cdk4
Trp53
Ifnar1
Eif2ak1
Tnfsf10
Stat1
Stat2
Ddx58
Adar
Mavs
Irf7
Stat5b
Oas2
Chuk
Tbk1
Tlr4
Csnk2a1
Ccnd1
Eif2s1
Map3k7
Jak2
Jak1
Msn
Eif2ak4
Hspa8
Akt3
Ifih1
Pik3r1
Eif2ak3
Pik3cb
Traf6
Irak1
Ifngr1
Fyn
Nfkb1
Pik3r3
Eif2ak2
Cblb
Tab2
Gsk3b
Stat3
Tyk2
Ifnar2
Eif3h
Irf9
Akt1
Jak3
Hspa1a
Hspa1b
Ccnd3
Fas
Rela
Hspa2
Nfkbia
Tnfaip3
Il6
Mx2
Ccnd2
Myd88
Tnfrsf10b
Stat5a
Csnk2a2
Oas1g
Irf3
Irak4
Oas1a
Nfkbib
Cdkn1b
Csnk2b
Pik3r2
Akt2
Bbc3
Il1b
Ifngr2
Dok1
Tlr2
Pik3ca
Rab9
Rchy1
hclust (*, "average")

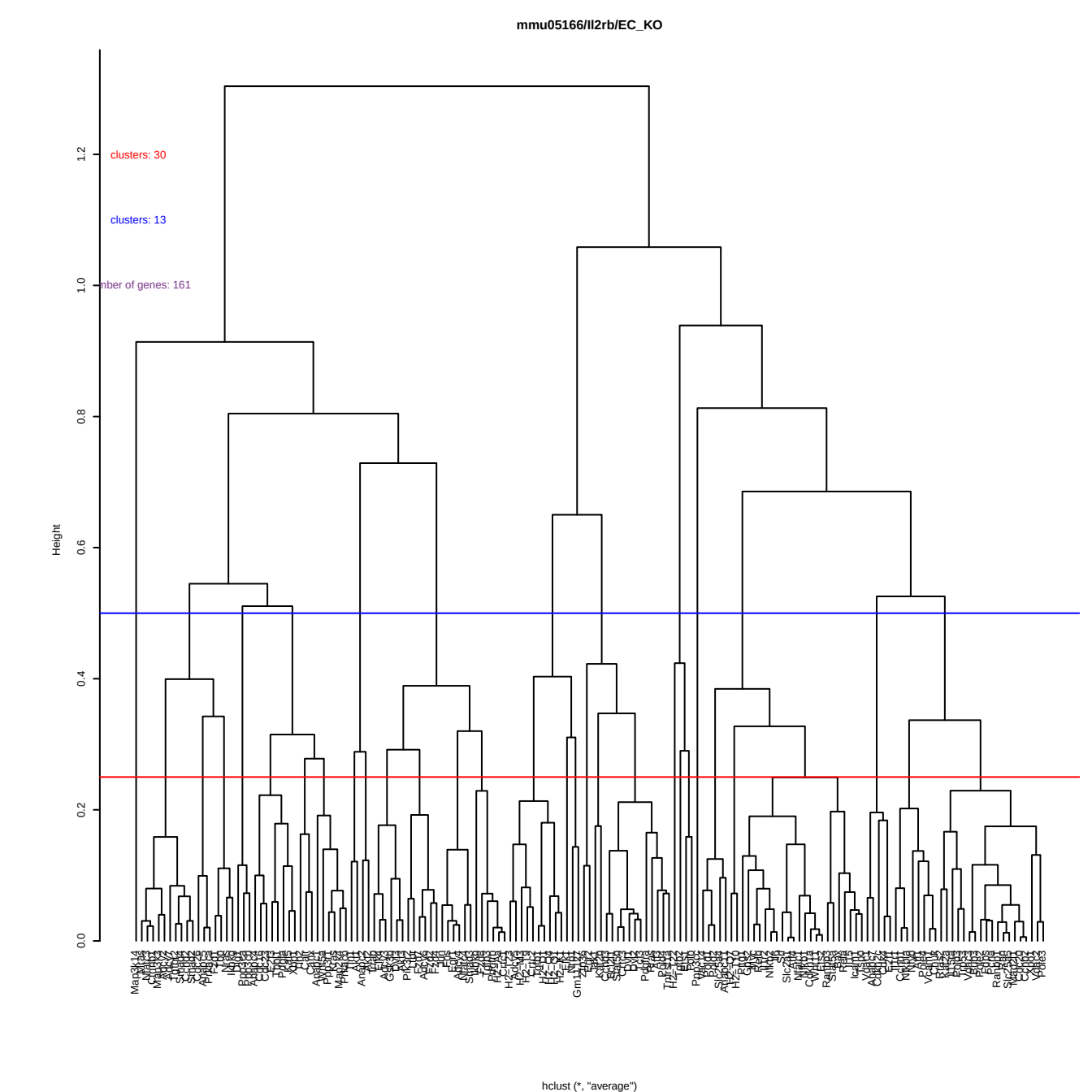

mmu05162/Il2rb/FAP_WT
clusters: 27
clusters: 12
mber of genes: 74
Height
0.0
0.2
0.4
0.6
0.8
1.0
1.2
Ccnd1
Irf3
Tyk2
Akt2
Eif2ak1
Csnk2a2
Eif3h
Csnk2b
Ifnar2
Eif2ak4
Pik3r2
Rchy1
Fyn
Stat5b
Rab9
Hspa2
Hspa1l
Hspa1a
Hspa1b
Mavs
Traf6
Tlr2
Ifngr2
Gsk3b
Akt3
Tab2
Chuk
Csnk2a1
Pik3ca
Map3k7
Cdkn1b
Tlr4
Ifngr1
Irak1
Eif2ak3
Tbk1
Ccnd2
Pik3r1
Hspa8
Stat3
Ifnar1
Eif2s1
Dok1
Myd88
Msn
Jak2
Jak1
Eif2ak2
Ifih1
Cdk2
Fas
Nfkbia
Tnfaip3
Cblb
Nfkb1
Il6
Mx2
Nfkbib
Pik3cd
Irf9
Akt1
Stat2
Stat5a
Ddx58
Stat1
Irf7
Oas1a
Ccnd3
Cdk4
Adar
Trp53
Rela
Ikbke
Irak4
hclust (*, "average")

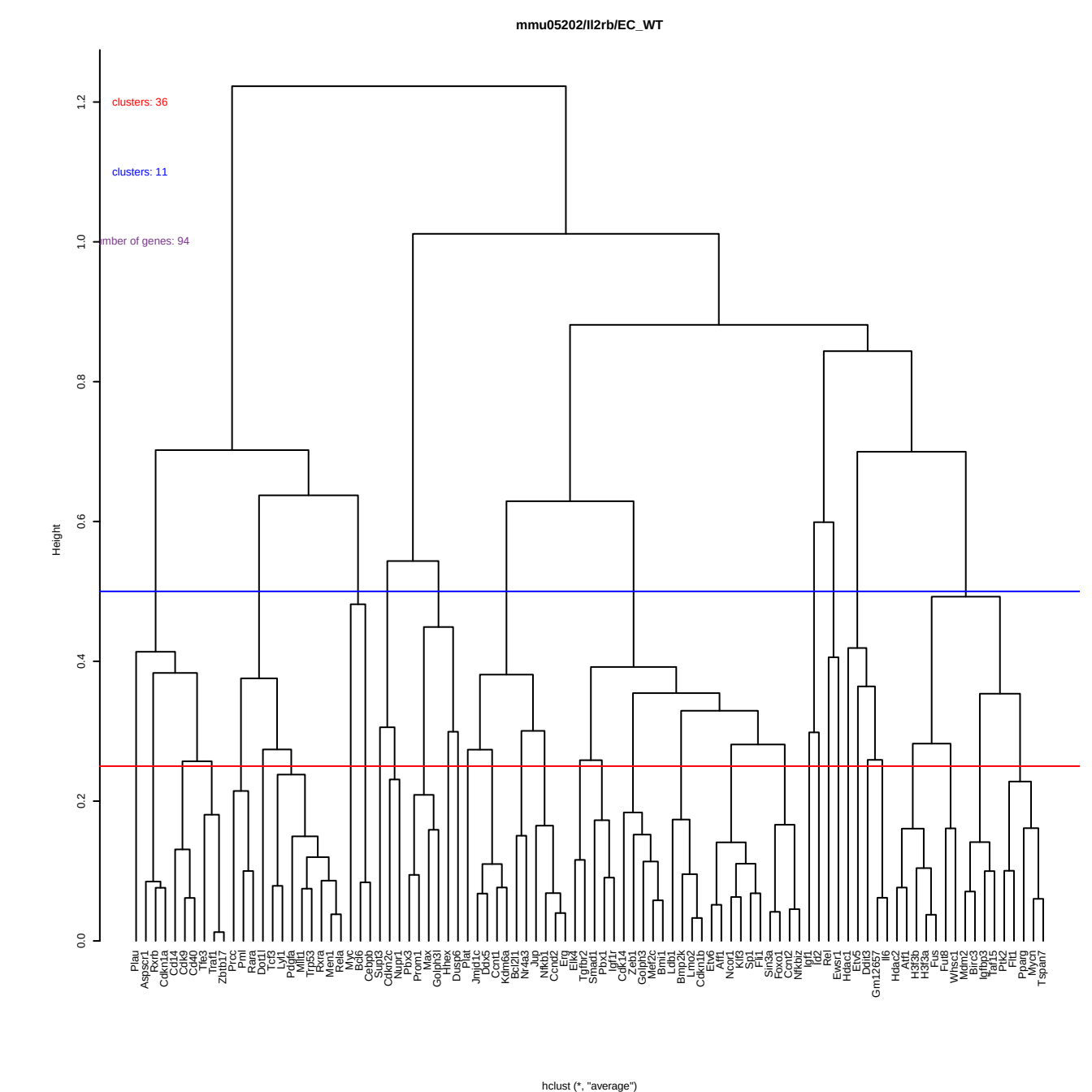

mmu05162/Il2rb/EC_KO
clusters: 24
clusters: 12
mber of genes: 68
Height
0.0
0.2
0.4
0.6
0.8
1.0
1.2
Stat3
Ifnar2
Oas1a
Ddx58
Irf7
Stat1
Adar
Stat2
Irf9
Cblb
Ifngr1
Jak1
Tyk2
Fyn
Stat5b
Hspa2
Nfkbib
Nfkb1
Stat5a
Tlr2
Myd88
Tbk1
Rela
Nfkbia
Tnfaip3
Ccnd1
Il6
Jak2
Chuk
Fas
Irak4
Ikbke
Irf3
Rab9
Rchy1
Msn
Dok1
Csnk2a2
Trp53
Cdk2
Eif2s1
Csnk2b
Ifngr2
Hspa8
Eif2ak4
Eif2ak1
Tab2
Ifnar1
Traf6
Map3k7
Akt2
Pik3r2
Hspa1a
Hspa1b
Tlr4
Hspa1l
Csnk2a1
Akt3
Cdkn1b
Gsk3b
Ccnd2
Eif2ak3
Ccnd3
Akt1
Irak1
Cdk4
Mavs
Eif3h
hclust (*, "average")

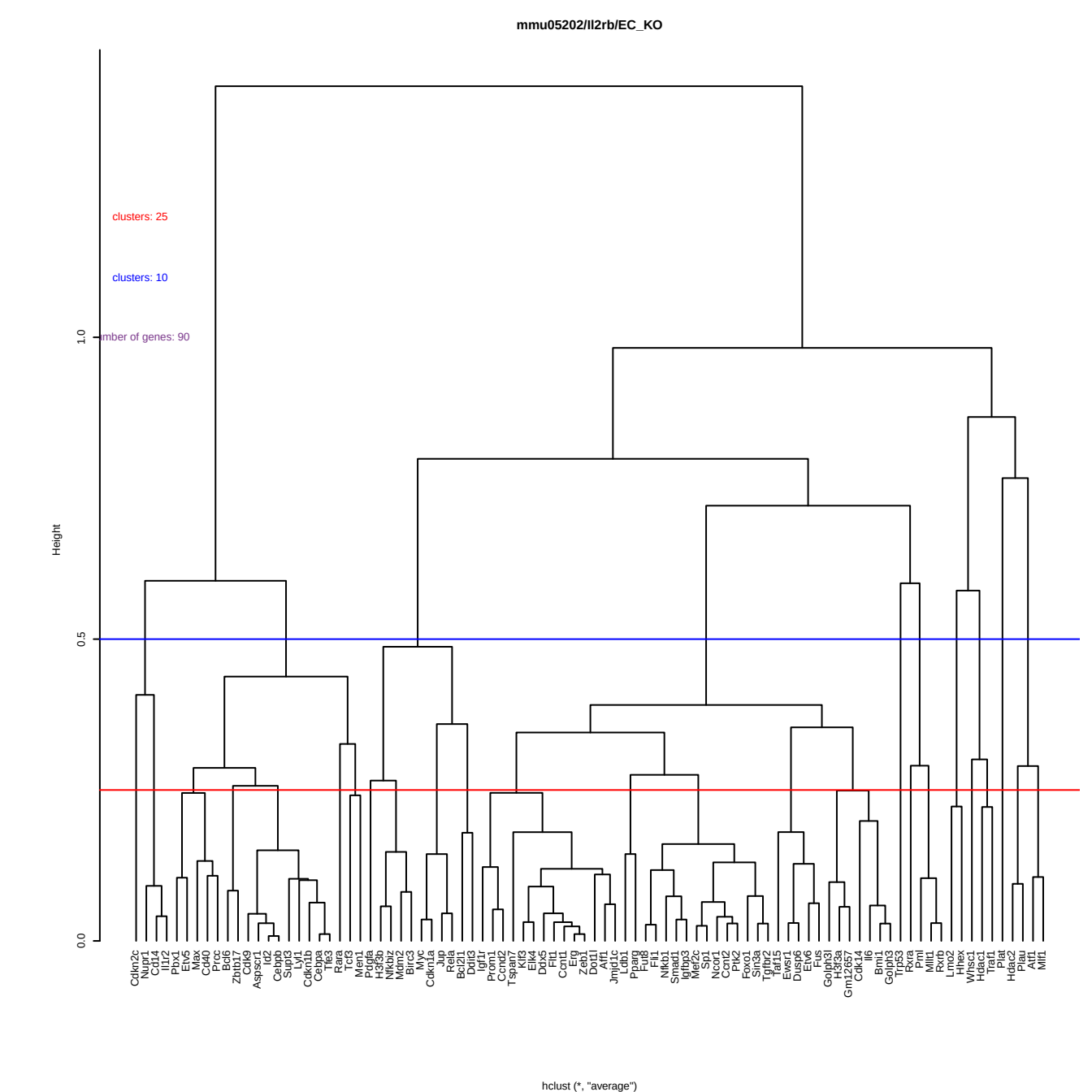

mmu05166/Il2rb/EC_WT
clusters: 43
clusters: 12
nber of genes: 178
Height
0.0
0.2
0.4
0.6
0.8
1.0
1.2
hclust (*, "average")

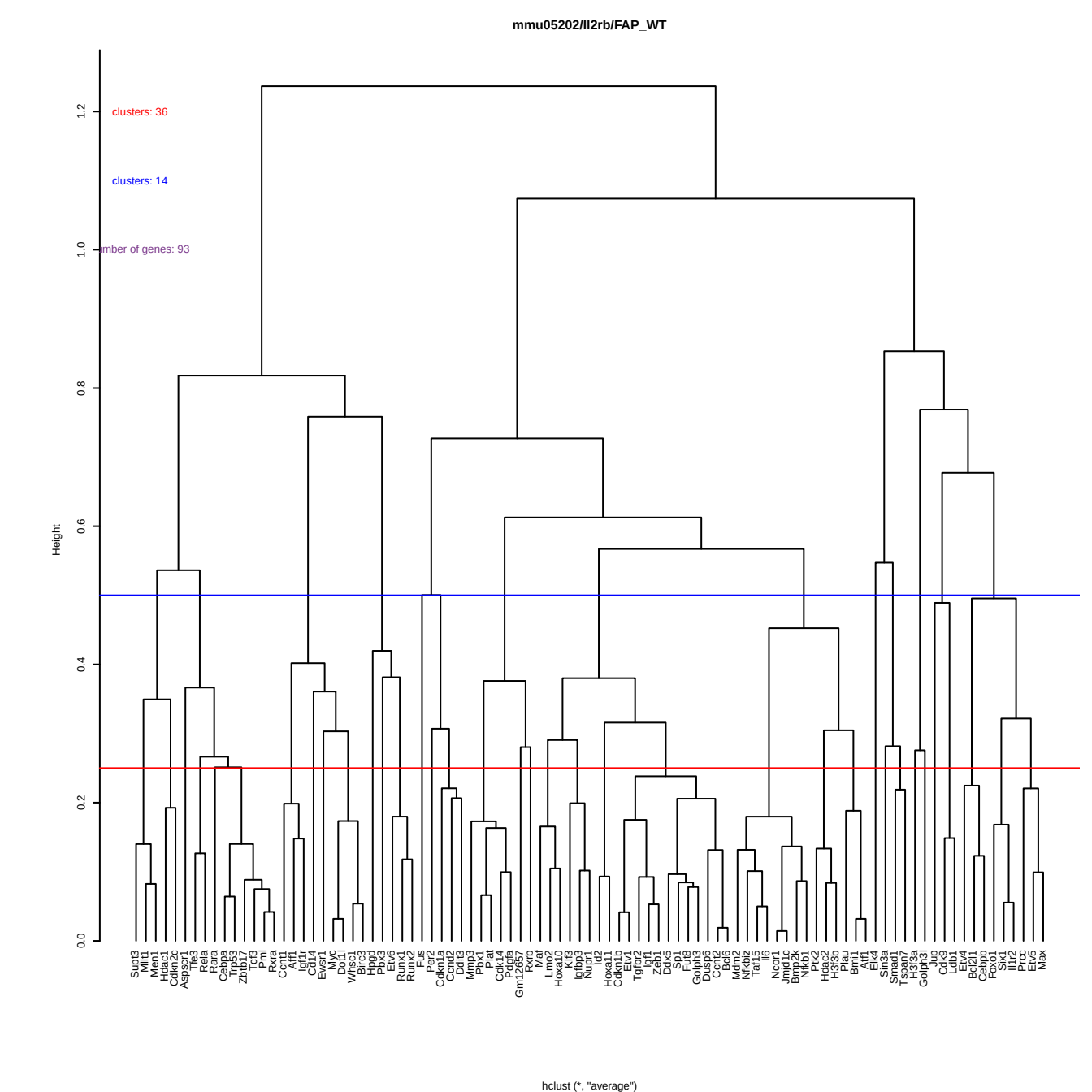

mmu05166/Il2rb/EC_KO
clusters: 37
clusters: 16
nber of genes: 176
Height
0.0
0.2
0.4
0.6
0.8
1.0
1.2
hclust (*, "average")

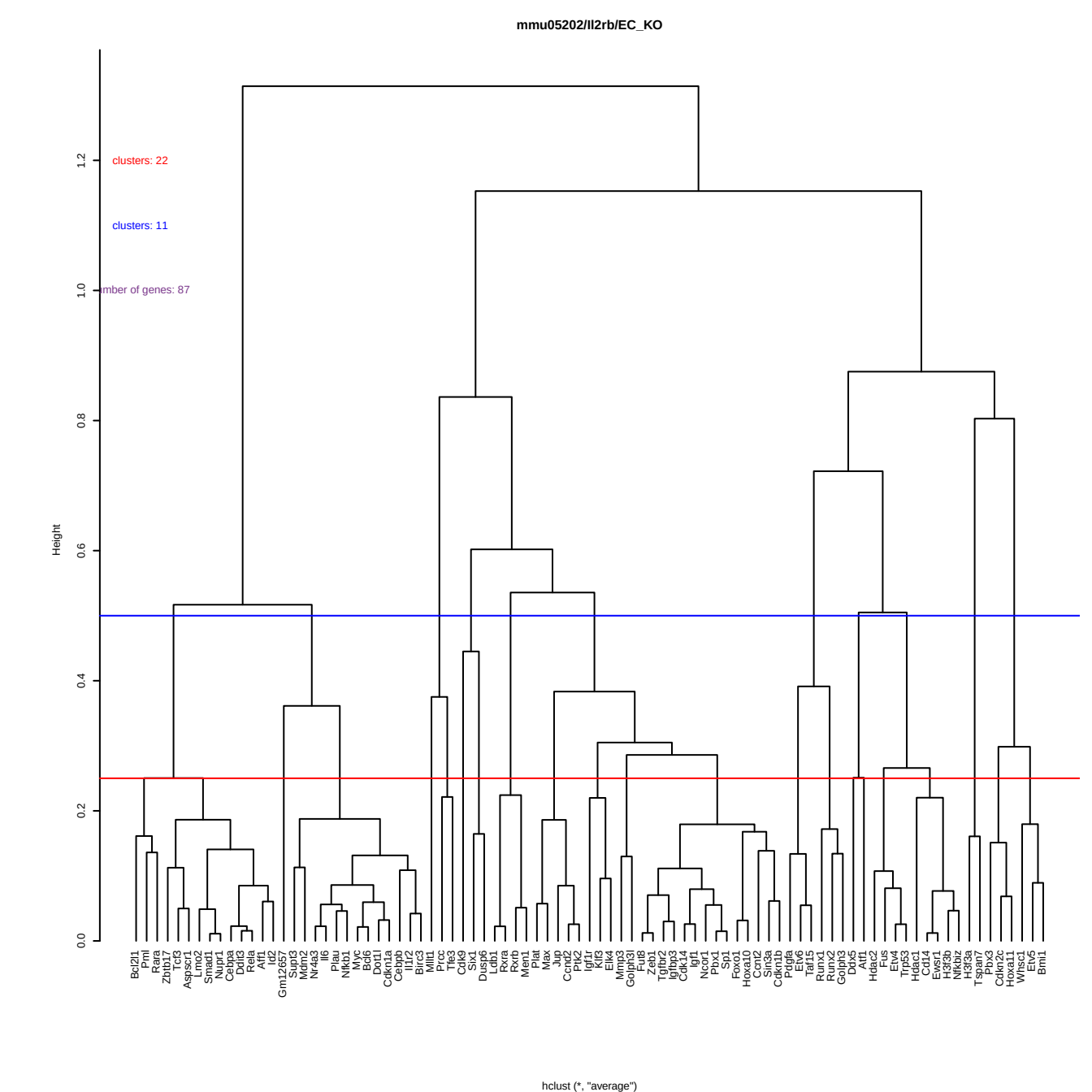

mmu05166/Il2rb/FAP_WT
clusters: 52
clusters: 15
nber of genes: 171
Height
0.0
0.2
0.4
0.6
0.8
1.0
1.2
hclust (*, "average")


mmu05166/Il2rb/EC_KO
clusters: 30
clusters: 13
nber of genes: 161
Height
0.0
0.2
0.4
0.6
0.8
1.0
1.2
hclust (*, "average")


mmu05202/Il2rb/EC_WT
clusters: 36
clusters: 11
mber of genes: 94
Height
0.0
0.2
0.4
0.6
0.8
1.0
1.2
Plau
Aspscr1
Rxrb
Cdkn1a
Cd14
Cdk9
Cd40
Tfe3
Traf1
Zbtb17
Prcc
Pml
Rara
Dpf1
Tcf3
Lyl1
Pdgfa
Mllt1
Trp53
Rxra
Meis1
Rela
Myc
Bcl6
Cebpb
Supt3
Cdkn2c
Nupr1
Hipk3
Prom1
Max
Golph3l
Hhex
Dusp6
Ppat
Jmjd1c
Ddx5
Ccnt1
Kdm6a
Bcl2l1
Nr4a3
Jun
Nfkb1
Ccnd2
Erg
Elk4
Tgfbr2
Smad1
Prkx1
Igf1r
Cdk14
Zeb1
Golph3
Mef2c
Bmi1
Lpp1
Bmp2k
Lmo2
Cdkn1b
Etv6
Atf1
Ncor1
Kdr
Stat5
Fli1
Sin3a
Foxo1
Ccnt2
Nfkbiz
Igf1
Ikzf2
Rel
Ewsr1
Hdac1
Etv6
Dstl3
Gm12267
Jak2
Hdac2
Atf1
H3f3b
H3f3a
Fus
Fcgr1b
Whsc1
Mdm2
Birc3
Igfbp3
Taf15
Pik2
Eif1
Pparg
Myc
Tspan7
hclust (*, "average")


mmu05202/Il2rb/EC_KO
clusters: 25
clusters: 10
mber of genes: 90
Height
0.0
0.5
1.0
Cdkn2c
Nupr1
Cd14
Il1r2
Pbx1
Etv5
Max
Cd40
Brpc
Bcl6
Zbtb17
Cdk9
Aspscr1
Id2
Cebpb
Supt3
Lyl1
Cdkn1b
Cebpa
Tle3
Rara
Tcf3
Men1
Pdgfa
H3f3b
Nfkbiz
Mdm2
Birc3
Myc
Cdkn1a
Jun
Rela
Bcl2l1
Ddit3
Igf1r
Prom1
Ccnd2
Tspan7
Klf5
Elk4
Ddx5
Flt1
Ccnl1
Erg
Zeb1
Dot1l
Atf1
Jmjd1c
Ldb1
Ppard
Fut8
Fli1
Nfkb1
Smad1
Igfbp3
Mef2c
Sp1
Ncor2
Ccnl2
Pik2
Foxo1
Sin3a
Tgfbr2
Taf15
Ewsr1
Dusp6
Etv6
Eif4e
Golph3l
H3f3a
Gm12657
Cdk14
Il6
Bmi1
Golph3
Trp53
Rxra
Pml
Mllt1
Rxrb
Lmo2
Hhex
Whsc1
Hdac1
Traf1
Pbx1
Hdac2
Plau
Atf1
Mlf1
hclust (*, "average")


mmu05202/Il2rb/FAP_WT
clusters: 36
clusters: 14
mber of genes: 93
Height
0.0
0.2
0.4
0.6
0.8
1.0
1.2
Supt3
Mllt1
Men1
Hdac1
Cdkn2c
Aspscr1
Tle3
Rela
Rara
Cebpa
Trp53
Zbtb17
Tcf3
Pml
Rxra
Ccnt1
Aff1
Igf1r
Cd14
Ewsr1
Myc
Dot1l
Whsc1
Birc3
Hpgd
Pbx3
Etv6
Runx1
Runx2
Fos
Per2
Cdkn1a
Ccnd2
Ddit3
Mmp3
Pbx1
Cdk14
Pdgfa
Gm12857
Rxrb
Maf
Lmo2
Hoxa10
Xrcc3
Igfbp3
Nupr1
Id2
Hoxa11
Cdkn1b
Etv1
Tgfbr2
Jun
Zfp1
Ddx5
Sp1
Fut8
Golph3
Dusp6
Ccnl2
Bcl6
Mdm2
Nfkbiz
Taf15
Il6
Ncor1
Jmjd1c
Brd2
Nfkb1
Pik2
Hdac2
H3f3b
Plau
Bmi1
Aff4
Elk4
Sin3a
Smad1
Tspan7
H3f3a
Golph3l
Jup
Cdk6
Ldb1
Etv4
Bcl2l1
Cebpb
Foxo1
Six1
Prr2
Prrc
Etv5
Max
hclust (*, "average")


mmu05202/Il2rb/EC_KO
clusters: 22
clusters: 11
mber of genes: 87
Height
0.0
0.2
0.4
0.6
0.8
1.0
1.2
Bcl2l1
Pml
Rara
Zbtb17
Tcf3
Aspscr1
Lmo2
Smad1
Nupr1
Cebpa
Ddit3
Rela
Atf1
Id1
Gm12657
Supt3
Mdm2
Nr4a3
Il6
Plau
Nfkb1
Myc
Bid6
Dot1l
Cdkn1a
Cebpb
Il1r2
Birc3
Mllt1
Prcc
Tfe3
Cdk9
Six1
Dusp6
Ldb1
Rxra
Rxrb
Men1
Plat
Ntax
Jup
Cond1
Pik2
Igf1r
Klf3
Elk4
Mmp3
Golph3l
Fut8
Zeb1
Tgfbr2
Igfbp3
Cdk14
Igf1
Ncor1
Pbx1
Sp1
Foxo1
Hoxa10
Cnt2
Sin3a
Cdkn1b
Pdgfa
Etv6
Taf15
Runx1
Runx2
Golph3
Dpy30
Atf1
Hdac2
Fus
Etv4
Trp53
Hdac1
Cd14
Ewsr1
H3f3b
Nfkbiz
H3f3a
Tspan7
Pbx3
Cdkn2a
Hoxa11
Whsc1
Etv5
Bmi1
hclust (*, "average")