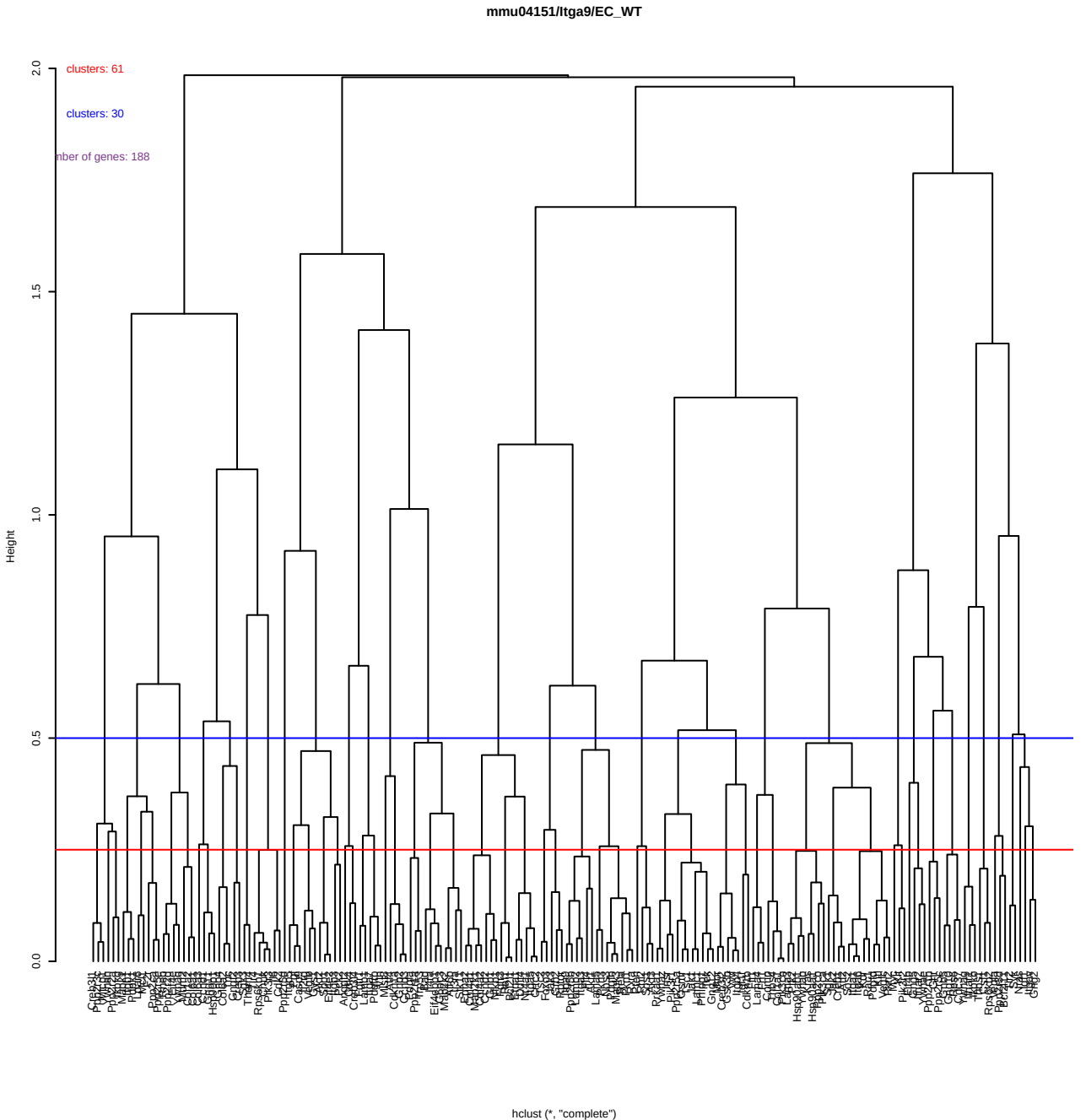
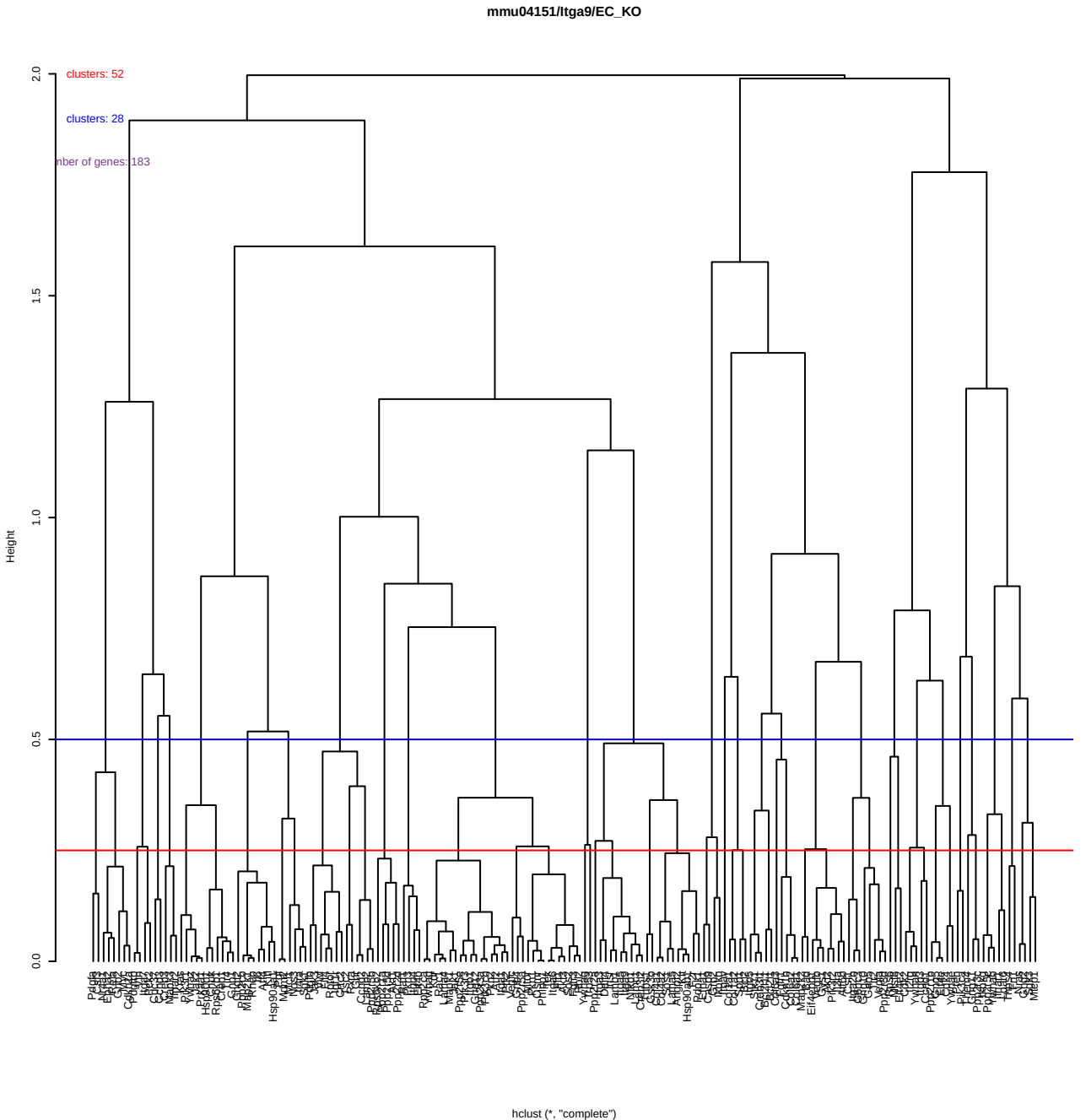
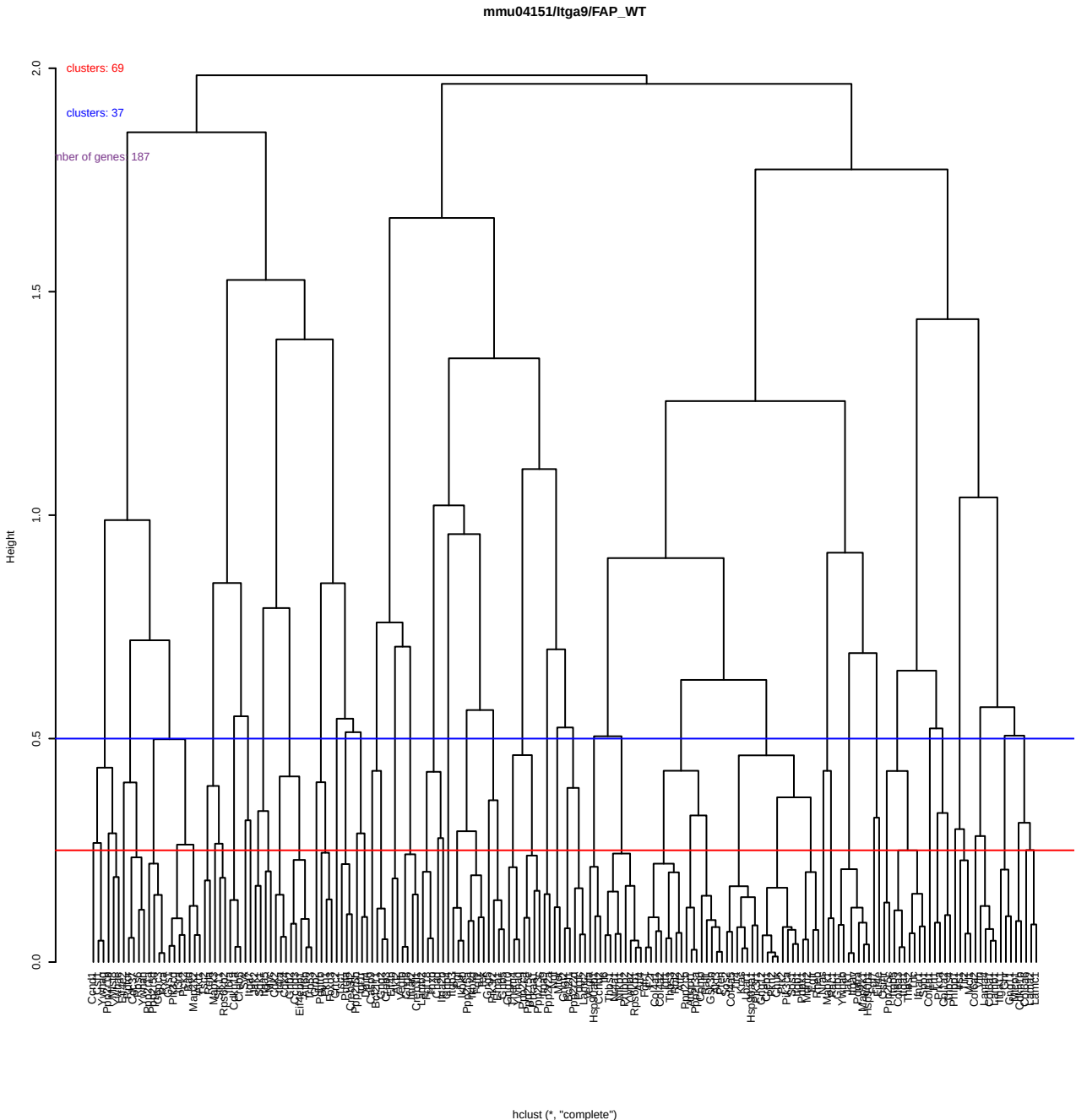
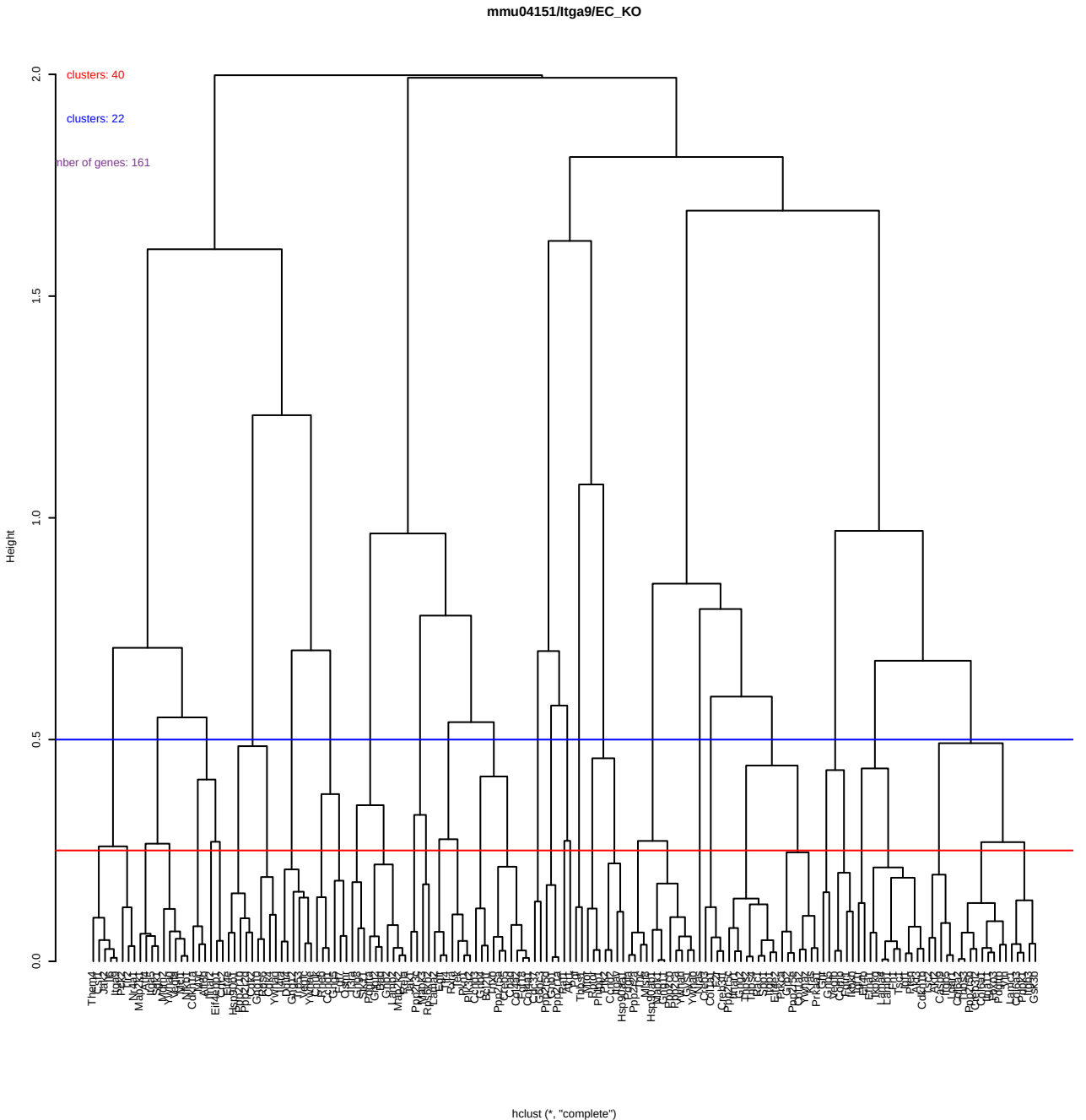
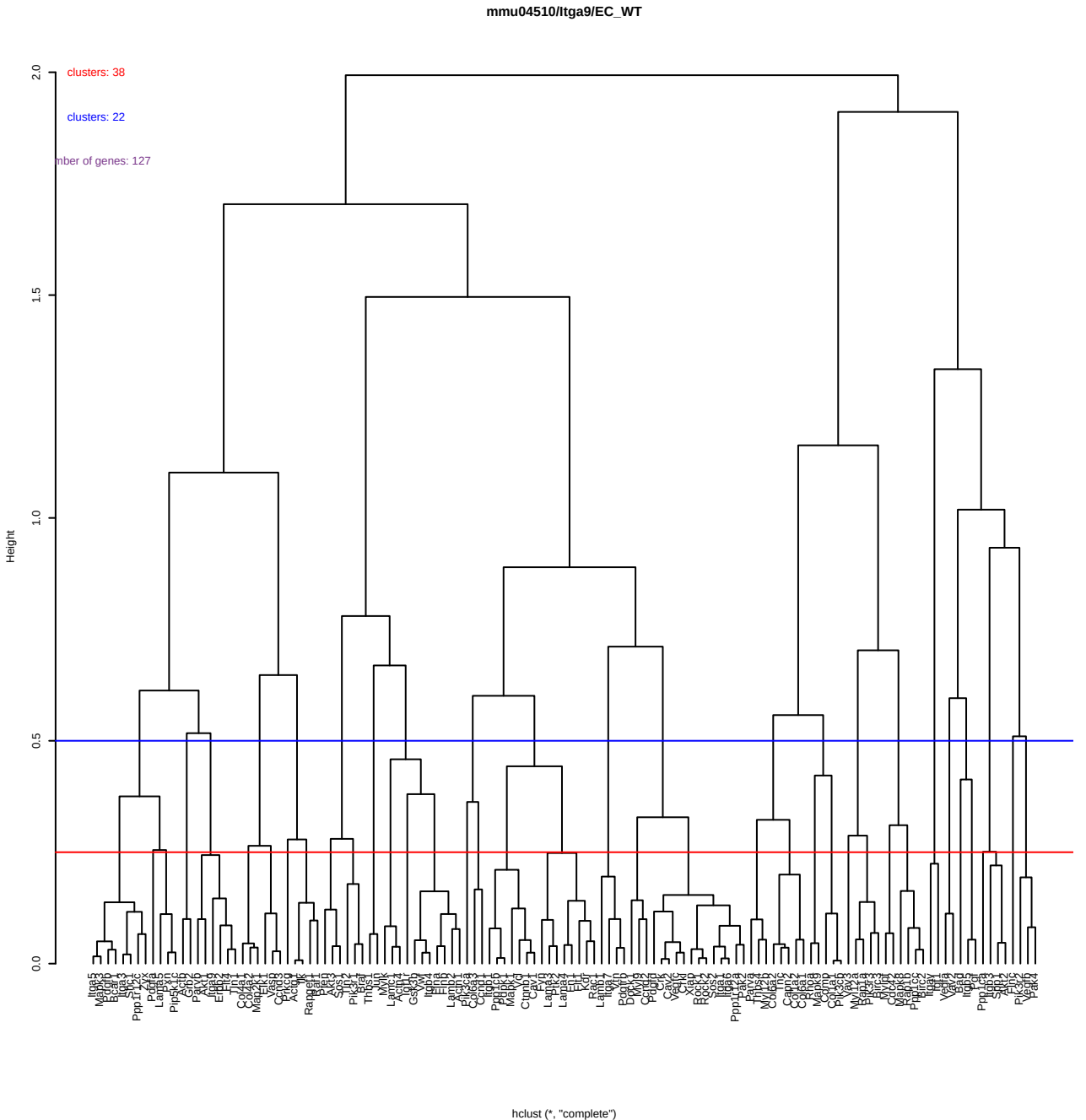
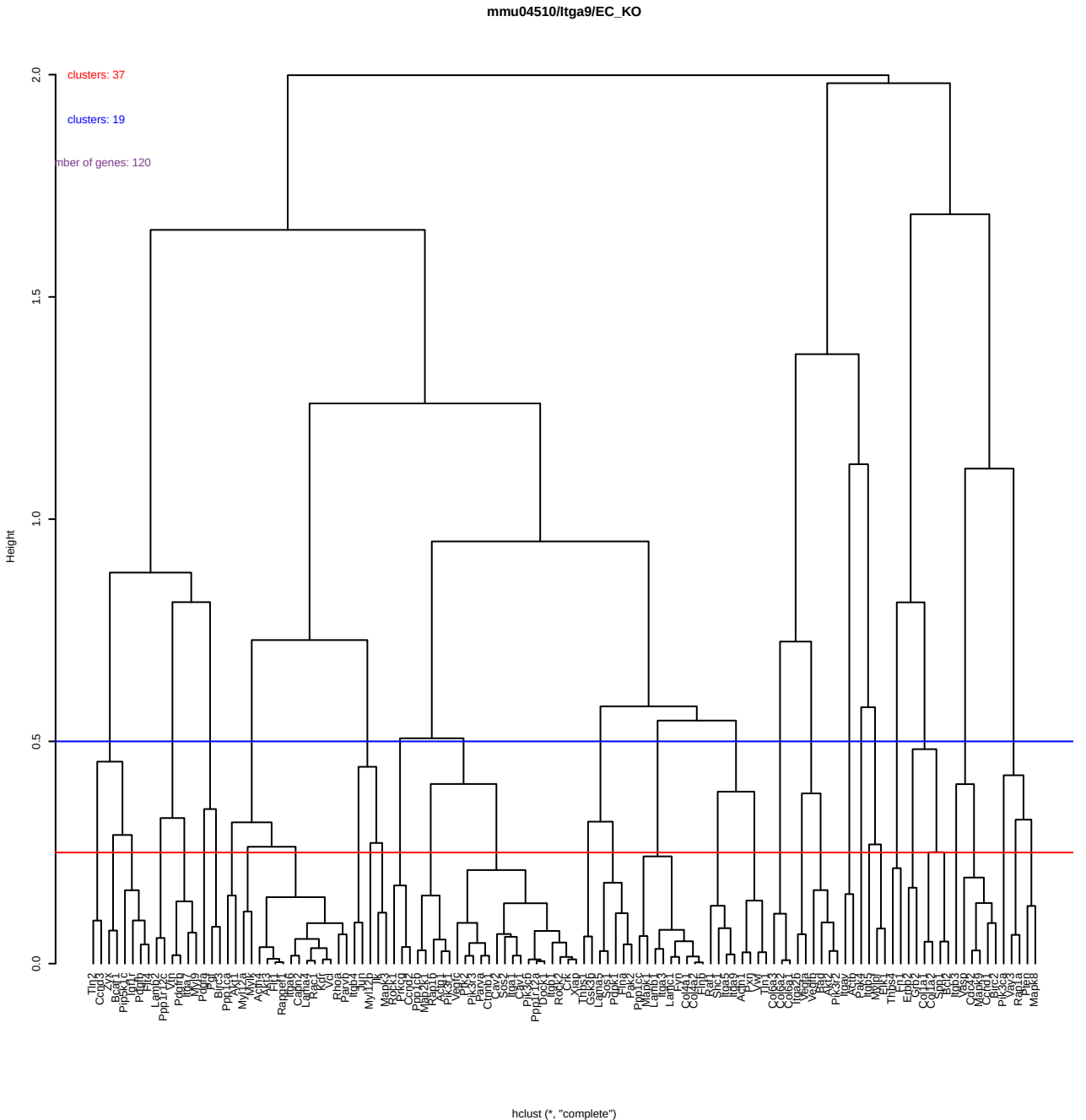

mmu04151/Itga9/EC_WT
clusters: 61
clusters: 30
mber of genes: 188
Height
2.0
1.5
1.0
0.5
0.0
hclust (*, "complete")


mmu04151/Itga9/EC_KO
clusters: 52
clusters: 28
nber of genes: 183
Height
2.0
1.5
1.0
0.5
0.0
hclust (*, "complete")

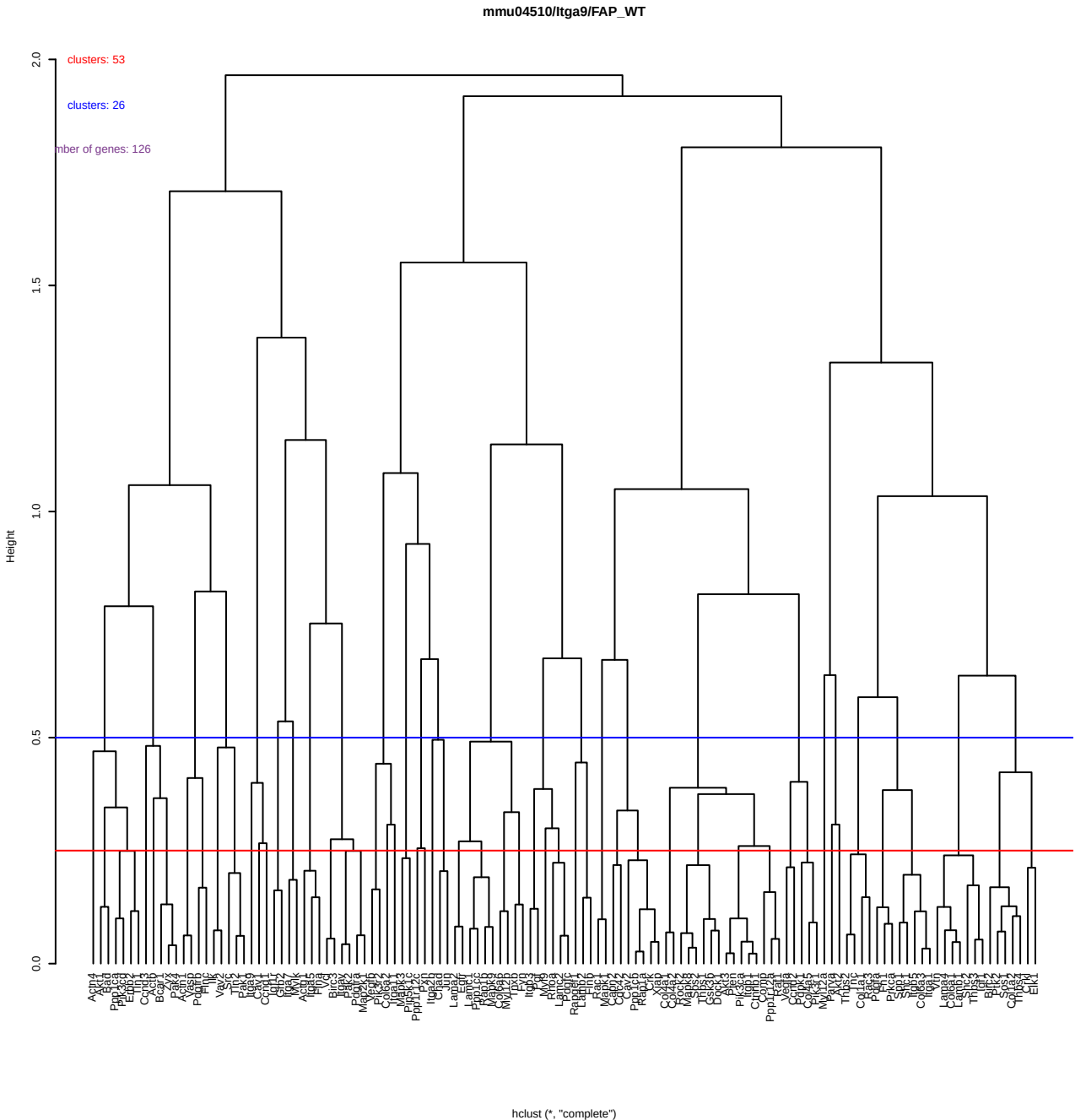

mmu04151/Itga9/FAP_WT
clusters: 69
clusters: 37
mber of genes: 187
Height
2.0
1.5
1.0
0.5
0.0
hclust (*, "complete")

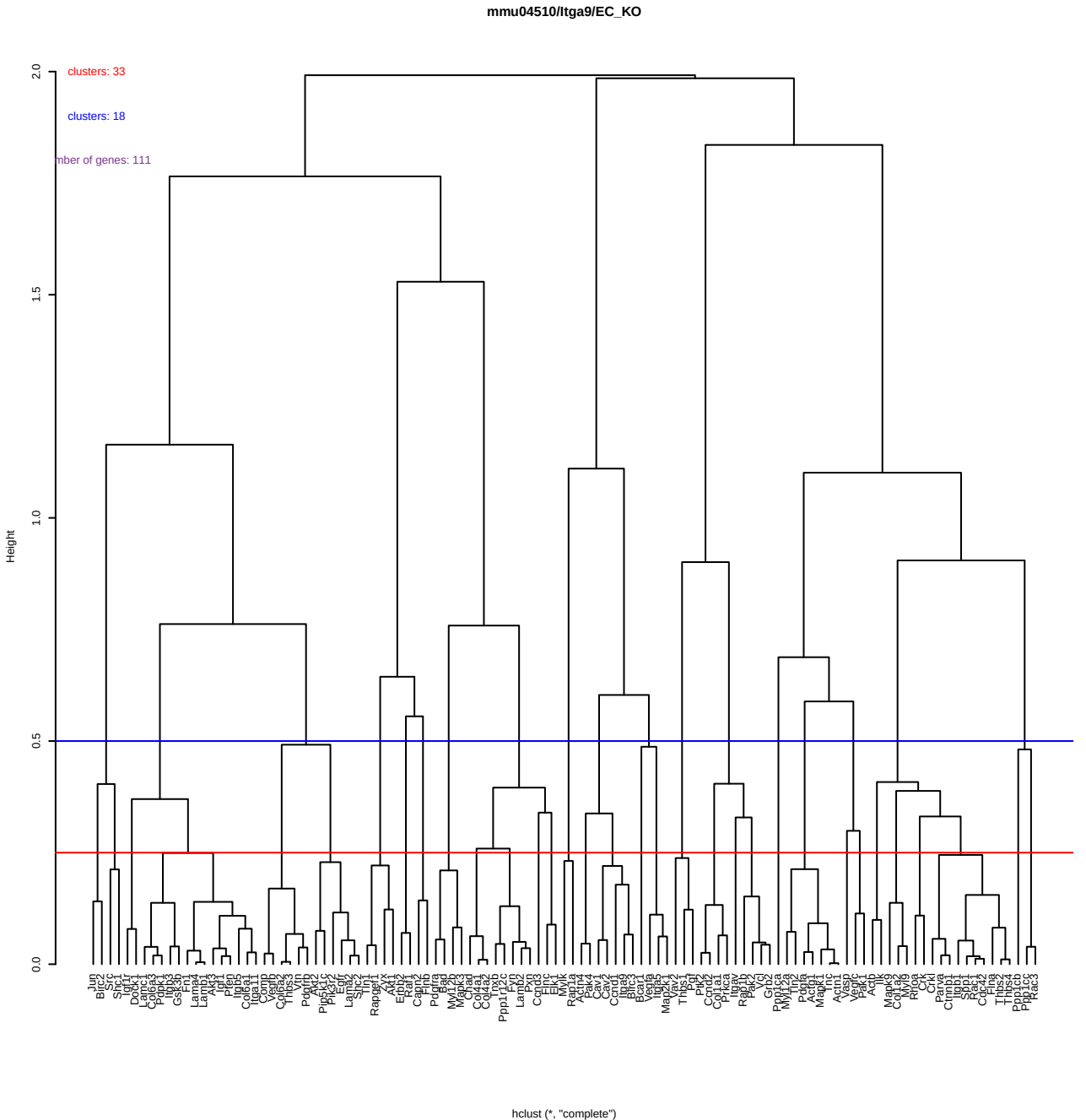

mmu04151/Itga9/EC_KO
clusters: 40
clusters: 22
nber of genes: 161
Height
2.0
1.5
1.0
0.5
0.0
hclust (*, "complete")

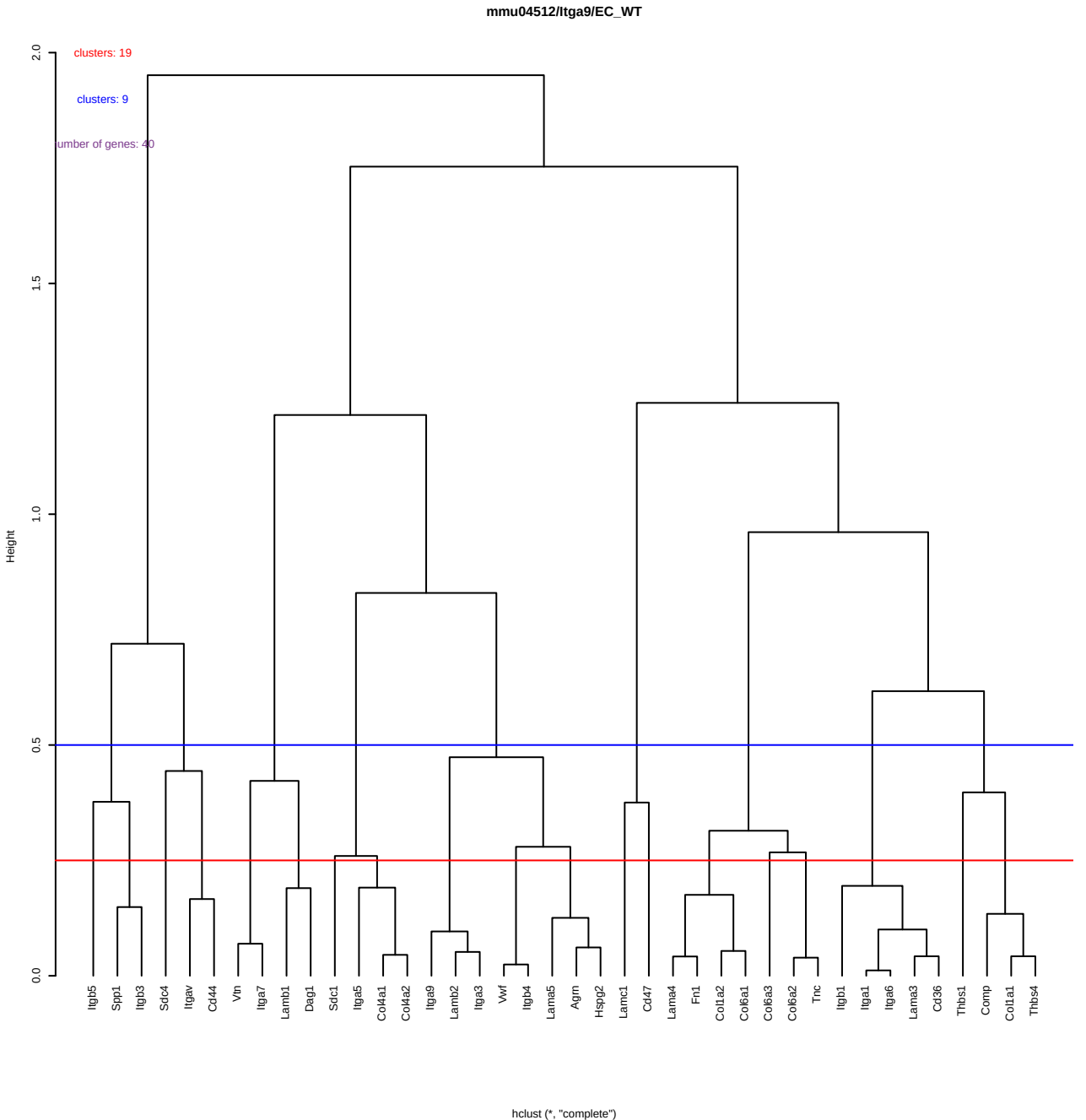

mmu04510/Itga9/EC_WT
clusters: 38
clusters: 22
mber of genes: 127
Height
2.0
1.5
1.0
0.5
0.0
hclust (*, "complete")

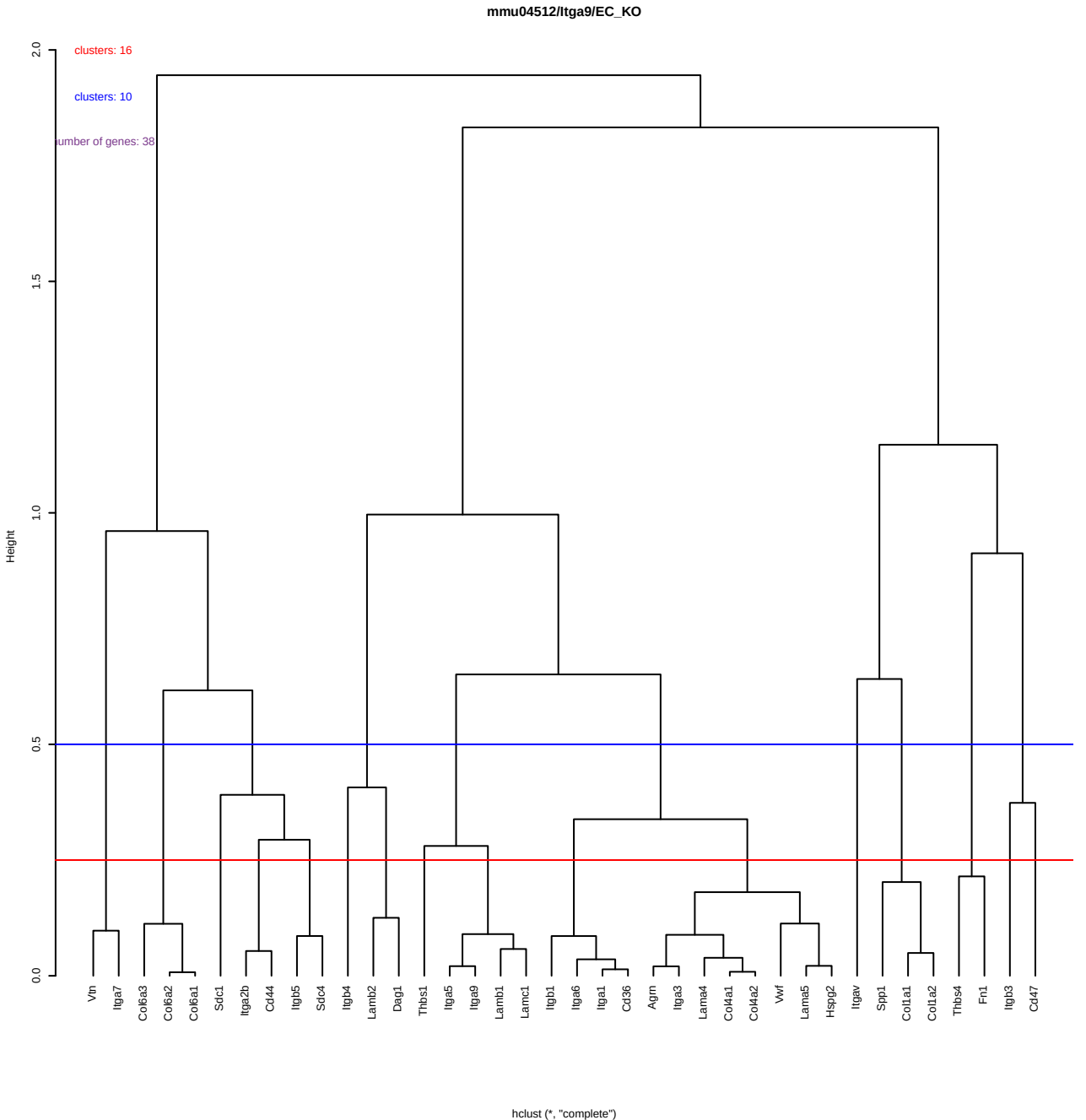


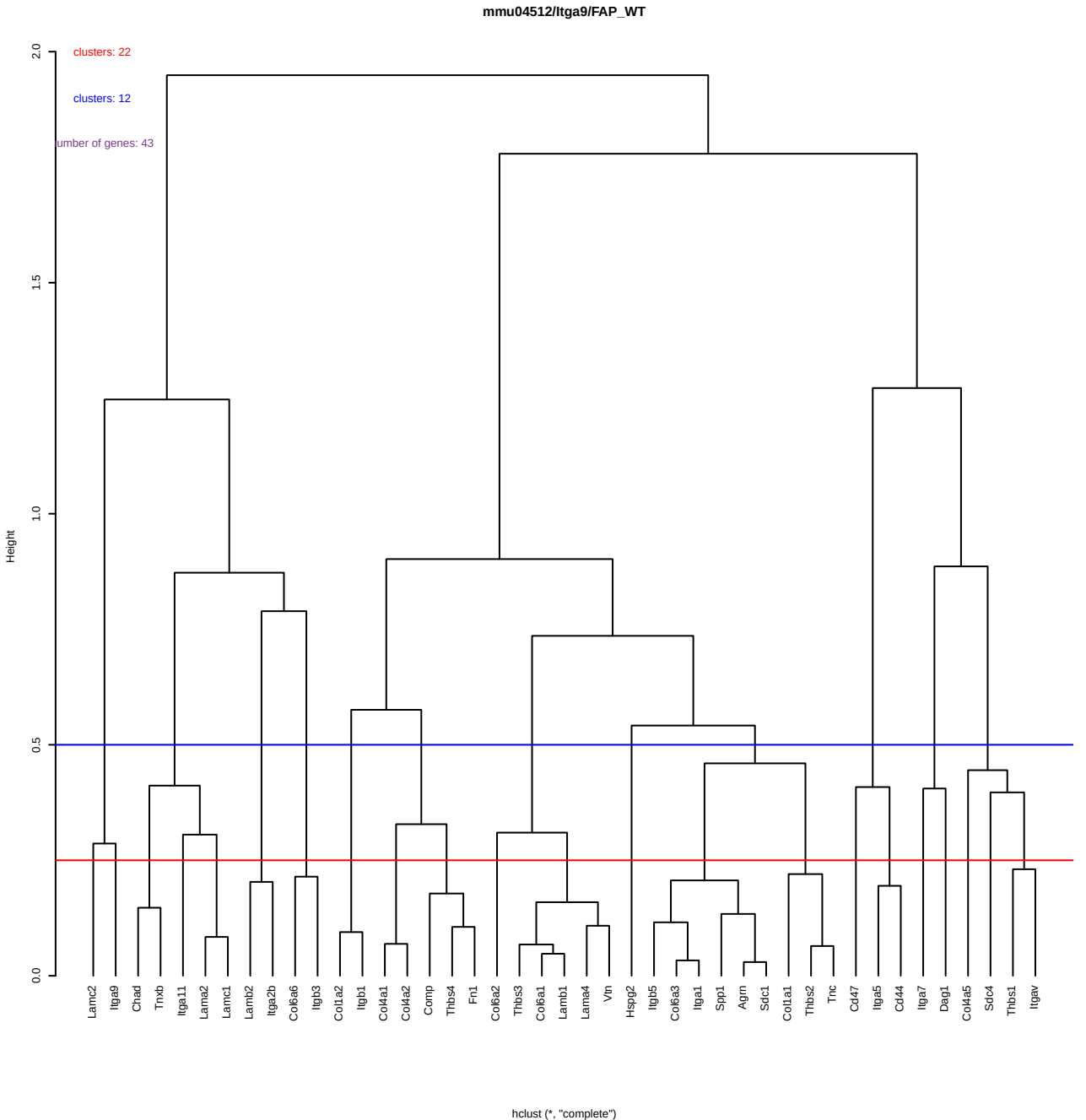
hclust (*, "complete")

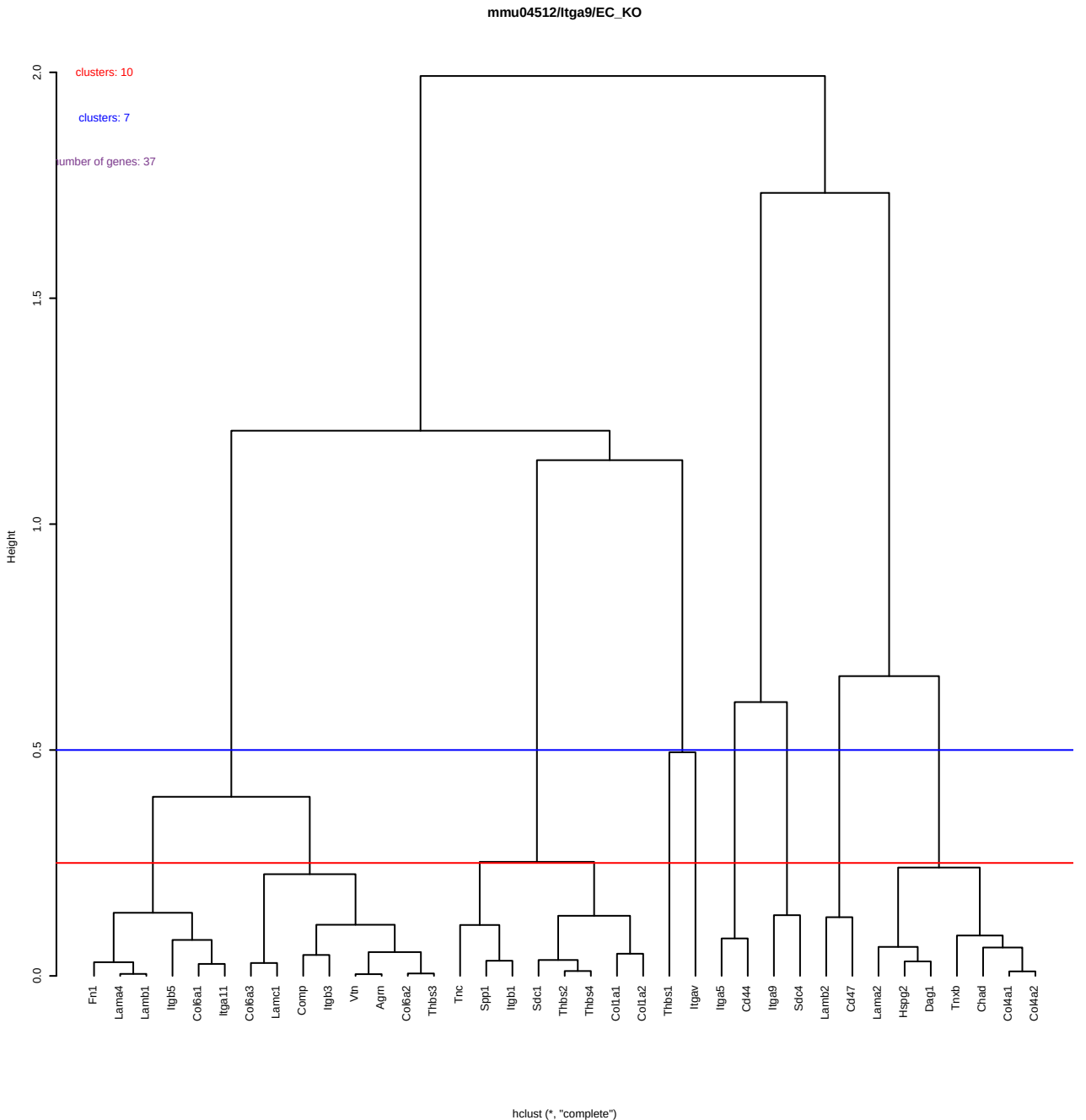

mmu04510/Itga9/FAP_WT
clusters: 53
clusters: 26
mber of genes: 126
Height
2.0
1.5
1.0
0.5
0.0
hclust (*, "complete")

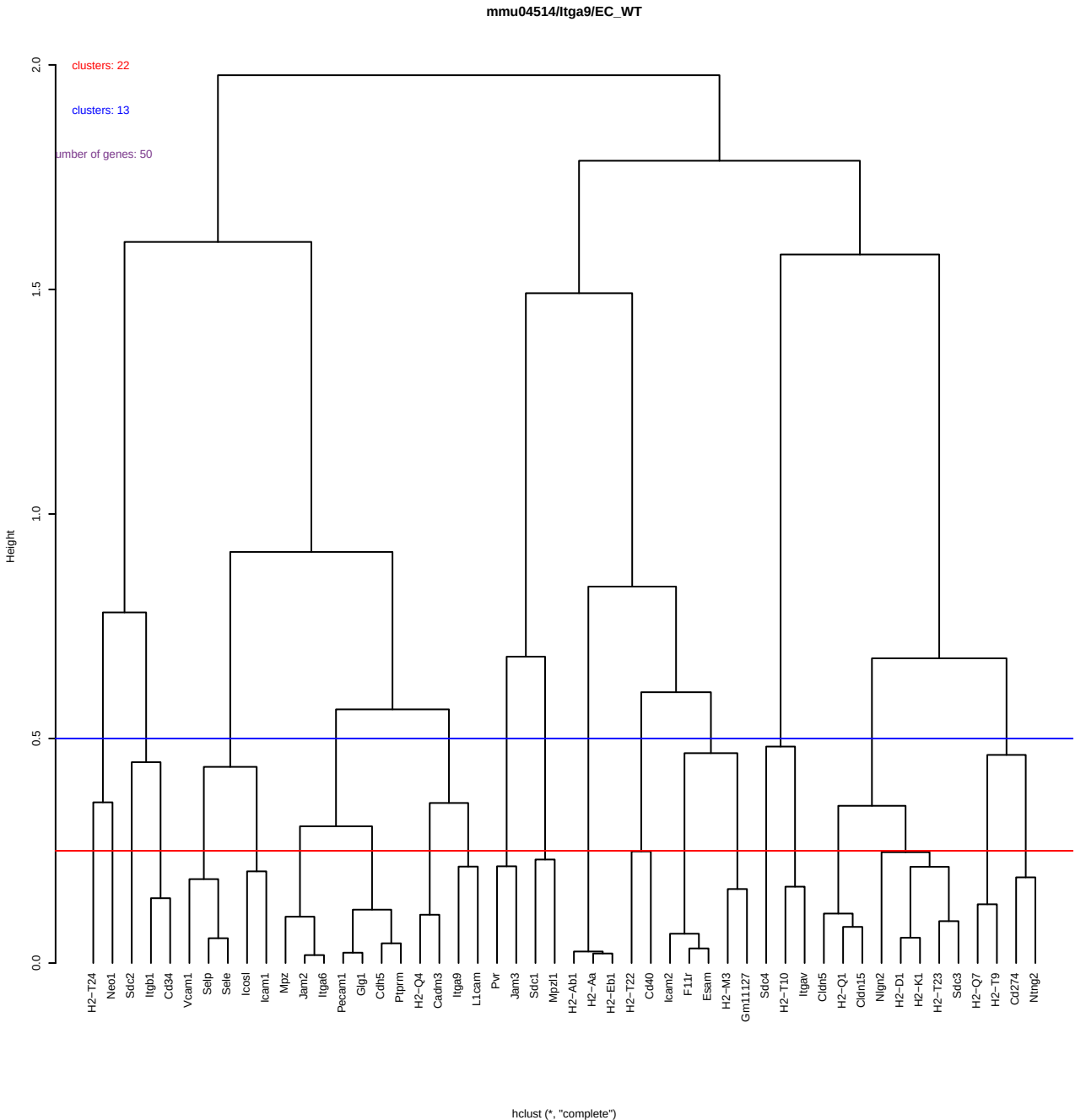

mmu04510/Itga9/EC_KO
clusters: 33
clusters: 18
mber of genes: 111
Height
2.0
1.5
1.0
0.5
0.0
Jun
Birc2
Src
Sgk1
Ilk
Dok1
Lamc1
Cdc42
Pdpk1
Itgb3
Gsk3b
Fn1
Lama4
Lamb1
Akt3
Itgb1
Pfn1
Itgb5
Col6a1
Itga11
Comp
Vegfa
Cxcl12
Thbs3
Vtn
Ptpn11
Akt2
Pik3r1
Pik3r2
Lama5
Shc2
Tln1
Rapgef1
Fyx
Akt1
Ezr
Rac1
Capn2
Prkcb
Itgb
Bad
Myl12b
Mmp2
Cfl1
Col4a1
Col4a2
Lamc2
Ppp1r12c
Fyn
Lamb2
Cnn3
Fn1
Elnc
Mylk
Rap1a
Actn4
Pdk1
Cav1
Cav2
Cnn1
Cnn2
Birc3
Bcar1
Vegfa
Itga9
Map2k1
Tjp1
Tnfrsf1a
Pgf
Pik3r2
Col1a2
Prkca
Itgav
Rac2
Pak2
Vcl
Gnb2
Ppp1r12a
Myl12a
Tln2
Actn1
Actg1
Mapk1
Inc
Actn2
Vasp
Vegfc
Pak1
Actn3
Ilk
Mapk9
Cxcl12
Myl9
Rhoa
Crk
Crk1
Parva
Ctnnb1
Sgk1
Spn1
Rac1
Cdc42
Ezr
Thbs4
Ppp1cb
Ppp1cc
Rac3
hclust (*, "complete")

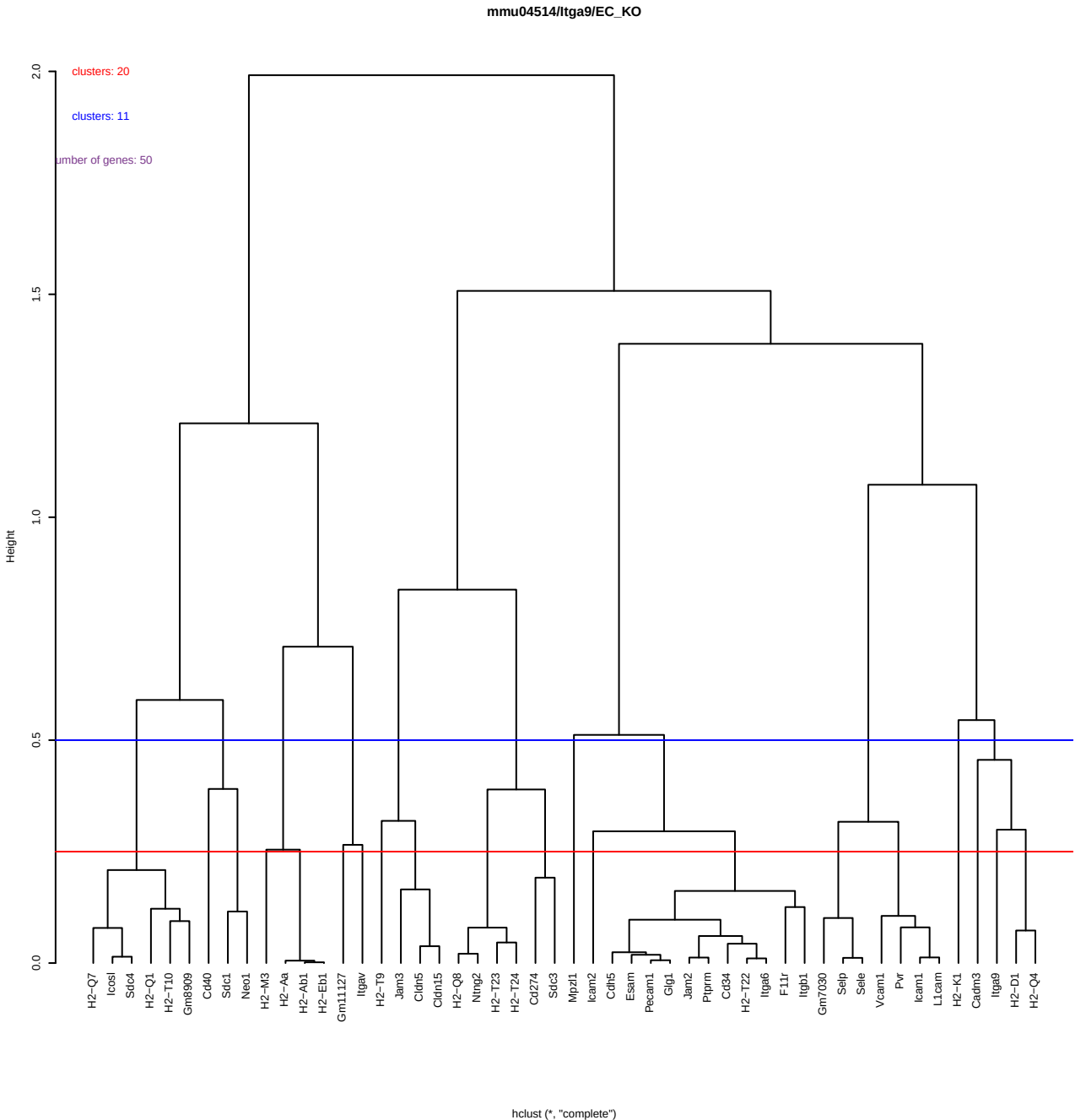

mmu04512/Itga9/EC_WT
clusters: 19
clusters: 9
number of genes: 40
Height
2.0
1.5
1.0
0.5
0.0
Itgb5
Spp1
Itgb3
Sdc4
Itgav
Cd44
Vtn
Itga7
Lamb1
Dag1
Sdc1
Itga5
Col4a1
Col4a2
Itga9
Lamb2
Itga3
Vwf
Itgb4
Lama5
Agrn
Hspg2
Lamc1
Cd47
Lama4
Fn1
Col1a2
Col6a1
Col6a3
Col6a2
Tnc
Itgb1
Itga1
Itga6
Lama3
Cd36
Thbs1
Comp
Col1a1
Thbs4
hclust (*, "complete")

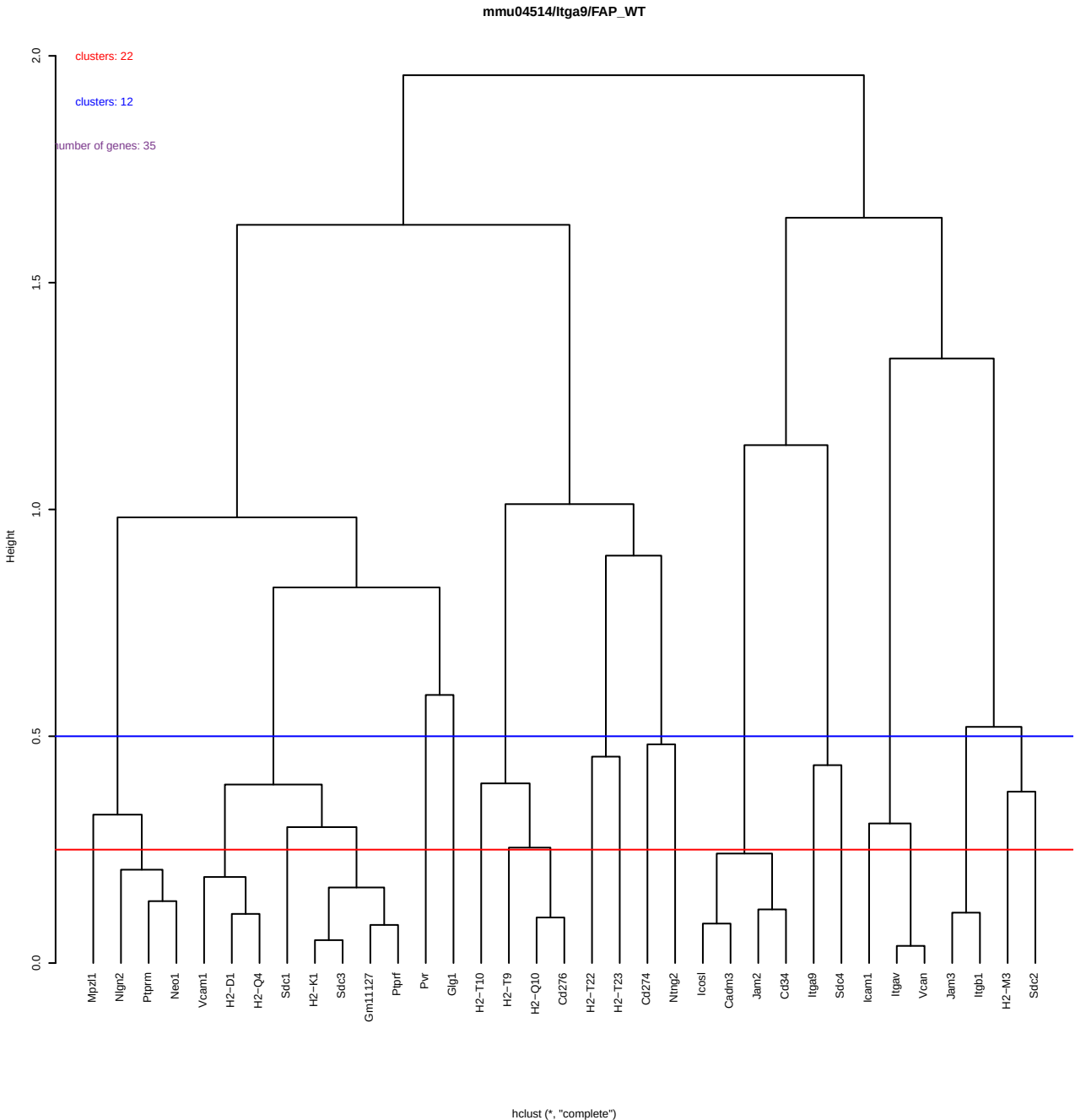

mmu04512/Itga9/EC_KO
clusters: 16
clusters: 10
number of genes: 38
Height
0.0
0.5
1.0
1.5
2.0
Vtn
Itga7
Col6a3
Col6a2
Col6a1
Sdc1
Itga2b
Cd44
Itgb5
Sdc4
Itgb4
Lamb2
Dag1
Thbs1
Itga5
Itga9
Lamb1
Lamc1
Itgb1
Itga6
Itga1
Cd36
Agrn
Itga3
Lama4
Col4a1
Col4a2
Vwf
Lama5
Hspg2
Itgav
Spp1
Col1a1
Col1a2
Thbs4
Fn1
Itgb3
Cd47
hclust (*, "complete")

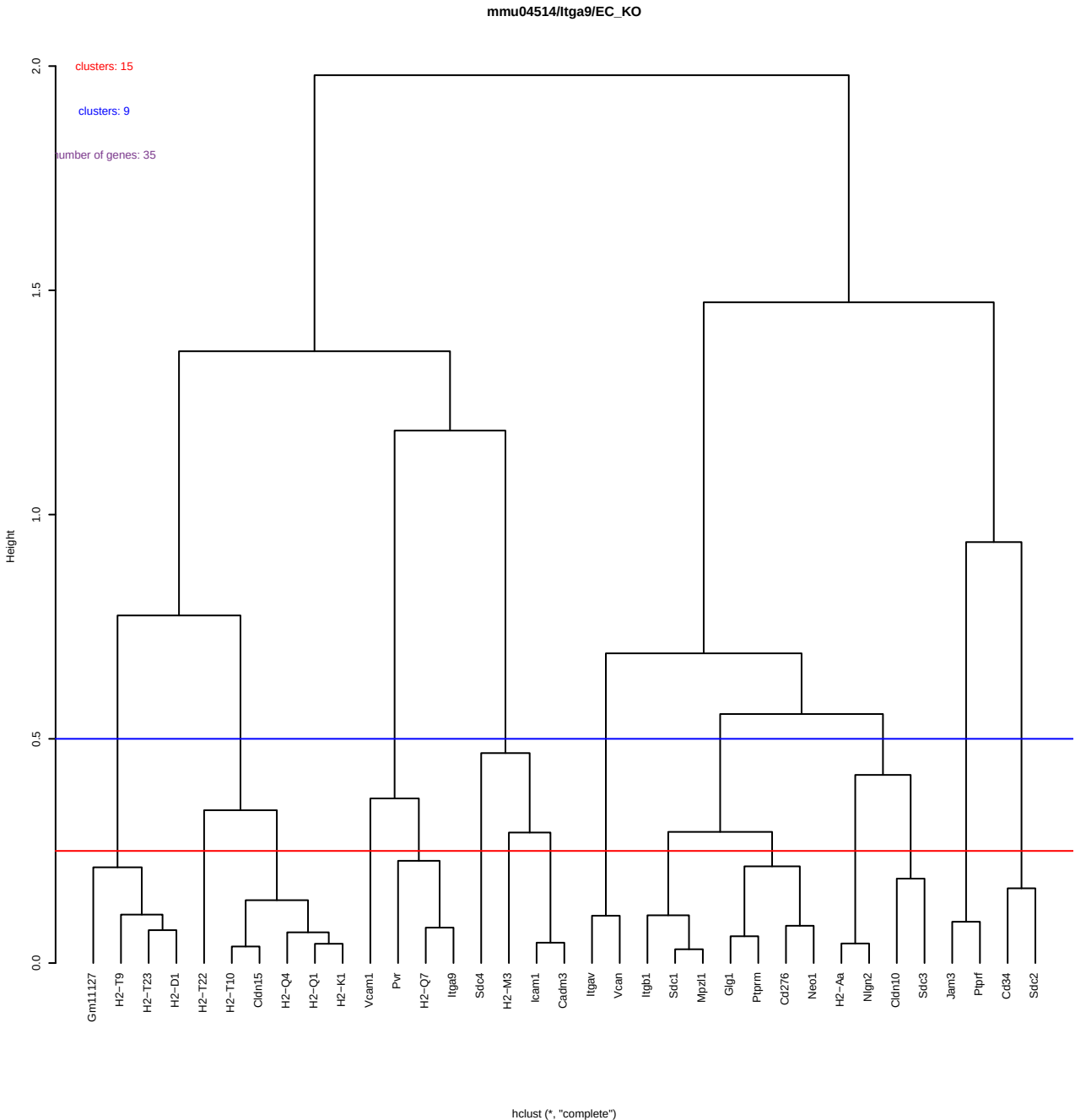

mmu04512/Itga9/FAP_WT
clusters: 22
clusters: 12
umber of genes: 43
Height
2.0
1.5
1.0
0.5
0.0
Lamc2
Itga9
Chad
Tnxb
Itga11
Lama2
Lamc1
Lamb2
Itga2b
Col6a6
Itgb3
Col1a2
Itgb1
Col4a1
Col4a2
Comp
Thbs4
Fn1
Col6a2
Thbs3
Col6a1
Lamb1
Lama4
Vtn
Hspg2
Itgb5
Col6a3
Itga1
Spp1
Agrn
Sdc1
Col1a1
Thbs2
Tnc
Cd47
Itga5
Cd44
Itga7
Dag1
Col4a5
Sdc4
Thbs1
Itgav
hclust (*, "complete")

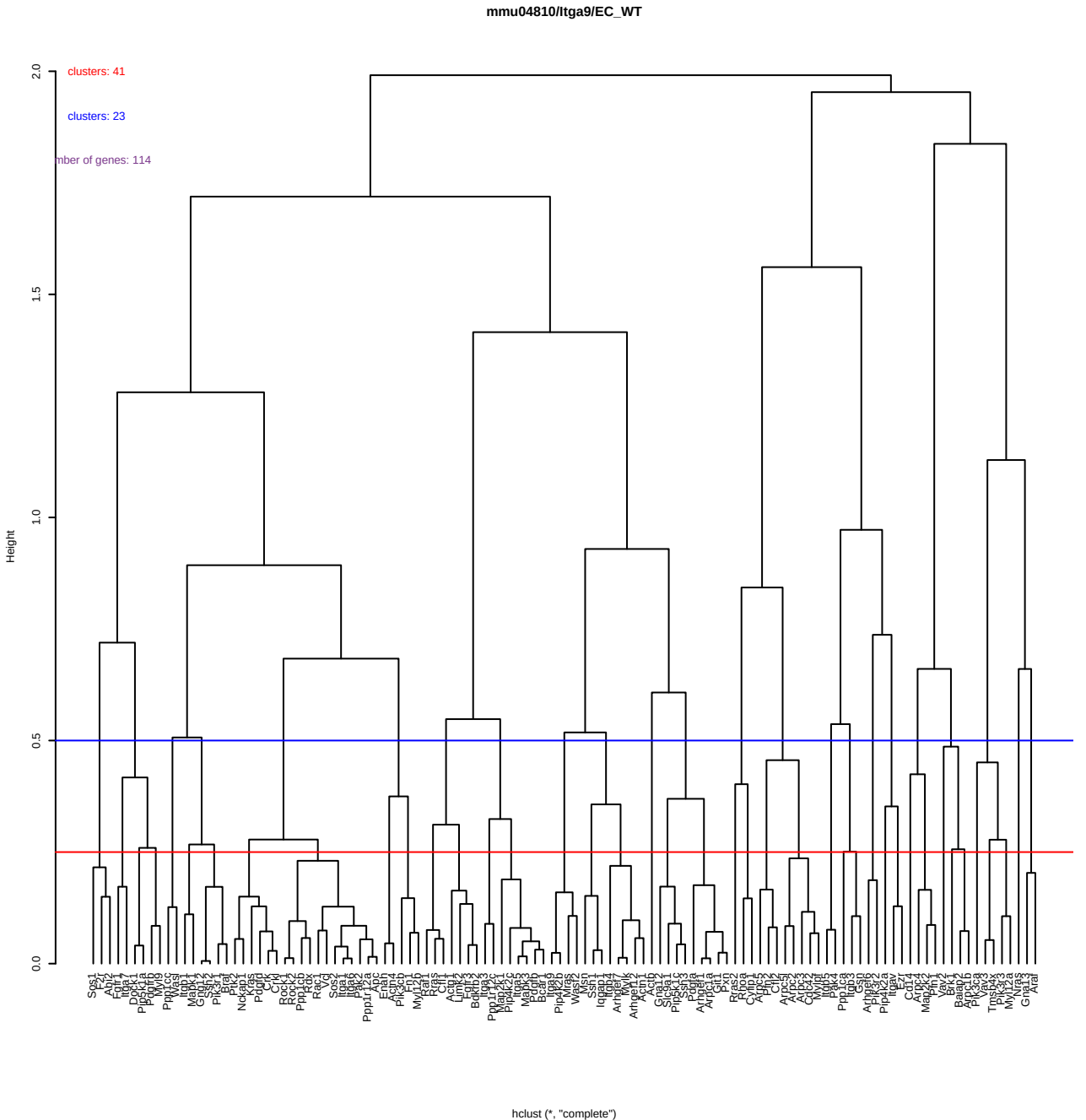

mmu04512/Itga9/EC_KO
clusters: 10
clusters: 7
number of genes: 37
Height
0.0
0.5
1.0
1.5
2.0
Fn1
Lama4
Lamb1
Itgb5
Col6a1
Itga11
Col6a3
Lamc1
Comp
Itgb3
Vtn
Agrn
Col6a2
Thbs3
Tnc
Spp1
Itgb1
Sdc1
Thbs2
Thbs4
Col1a1
Col1a2
Thbs1
Itgav
Itga5
Cd44
Itga9
Sdc4
Lamb2
Cd47
Lama2
Hspg2
Dag1
Tnxb
Chad
Col4a1
Col4a2
hclust (*, "complete")


mmu04514/Itga9/EC_WT
clusters: 22
clusters: 13
umber of genes: 50
Height
2.0
1.5
1.0
0.5
0.0
H2−T24
Neo1
Sdc2
Itgb1
Cd34
Vcam1
Selp
Sele
Icosl
Icam1
Mpz
Jam2
Itga6
Pecam1
Glg1
Cdh5
Ptprm
H2−Q4
Cadm3
Itga9
L1cam
Pvr
Jam3
Sdc1
Mpzl1
H2−Ab1
H2−Aa
H2−Eb1
H2−T22
Cd40
Icam2
F11r
Esam
H2−M3
Gm11127
Sdc4
H2−T10
Itgav
Cldn5
H2−Q1
Cldn15
Nlgn2
H2−D1
H2−K1
H2−T23
Sdc3
H2−Q7
H2−T9
Cd274
Ntng2
hclust (*, "complete")

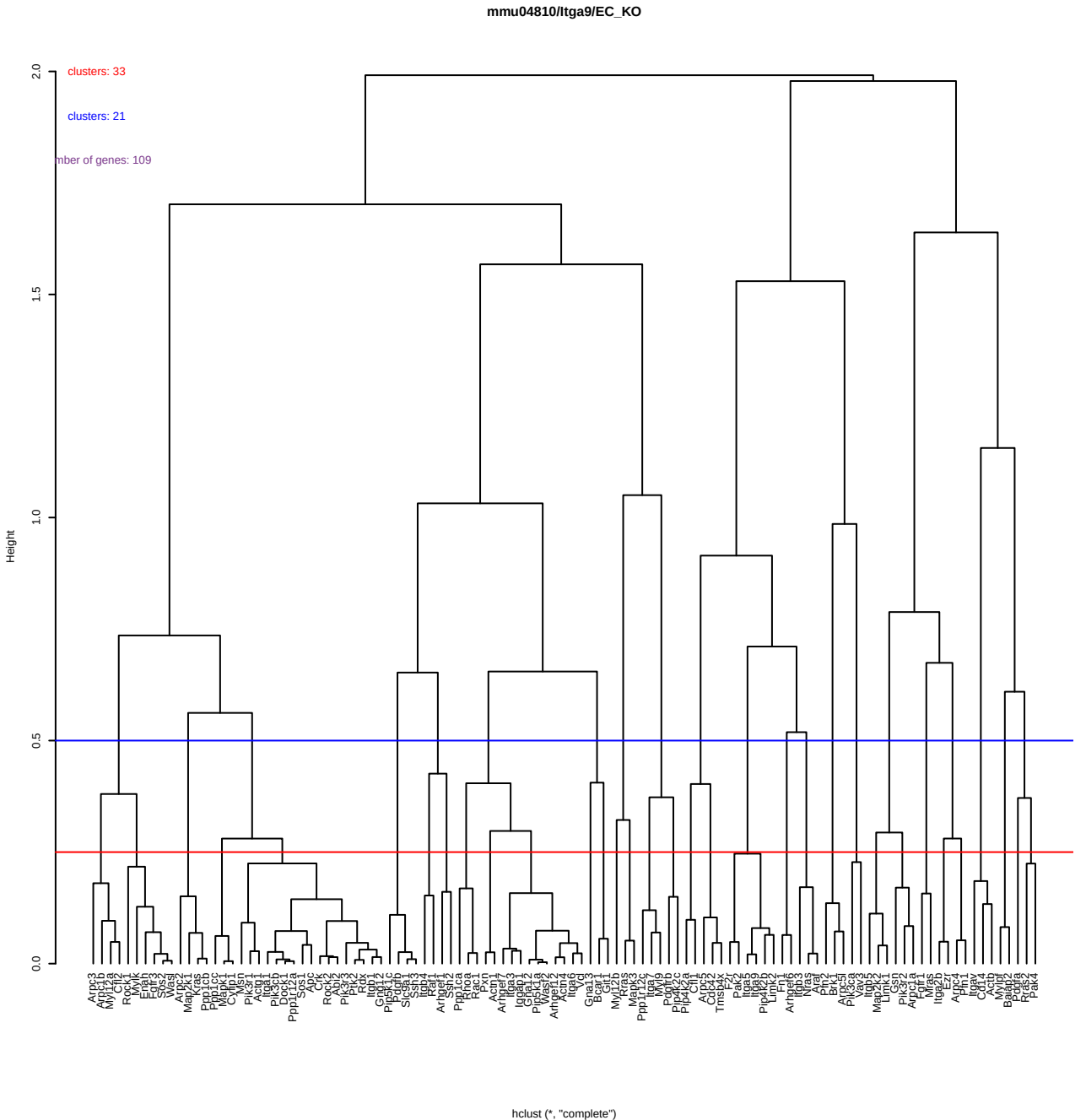

mmu04514/Itga9/EC_KO
clusters: 20
clusters: 11
umber of genes: 50
Height
2.0
1.5
1.0
0.5
0.0
H2−Q7
Icosl
Sdc4
H2−Q1
H2−T10
Gm8909
Cd40
Sdc1
Neo1
H2−M3
H2−Aa
H2−Ab1
H2−Eb1
Gm11127
Itgav
H2−T9
Jam3
Cldn5
Cldn15
H2−Q8
Ntng2
H2−T23
H2−T24
Cd274
Sdc3
Mpzl1
Icam2
Cdh5
Esam
Pecam1
Glg1
Jam2
Ptprm
Cd34
H2−T22
Itga6
F11r
Itgb1
Gm7030
Selp
Sele
Vcam1
Pvr
Icam1
L1cam
H2−K1
Cadm3
Itga9
H2−D1
H2−Q4
hclust (*, "complete")


mmu04514/Itga9/FAP_WT
clusters: 22
clusters: 12
number of genes: 35
Height
0.0
0.5
1.0
1.5
2.0
Mpzl1
Nlgn2
Ptprm
Neo1
Vcam1
H2−D1
H2−Q4
Sdc1
H2−K1
Sdc3
Gm11127
Ptprf
Pvr
Glg1
H2−T10
H2−T9
H2−Q10
Cd276
H2−T22
H2−T23
Cd274
Ntng2
Icosl
Cadm3
Jam2
Cd34
Itga9
Sdc4
Icam1
Itgav
Vcan
Jam3
Itgb1
H2−M3
Sdc2
hclust (*, "complete")

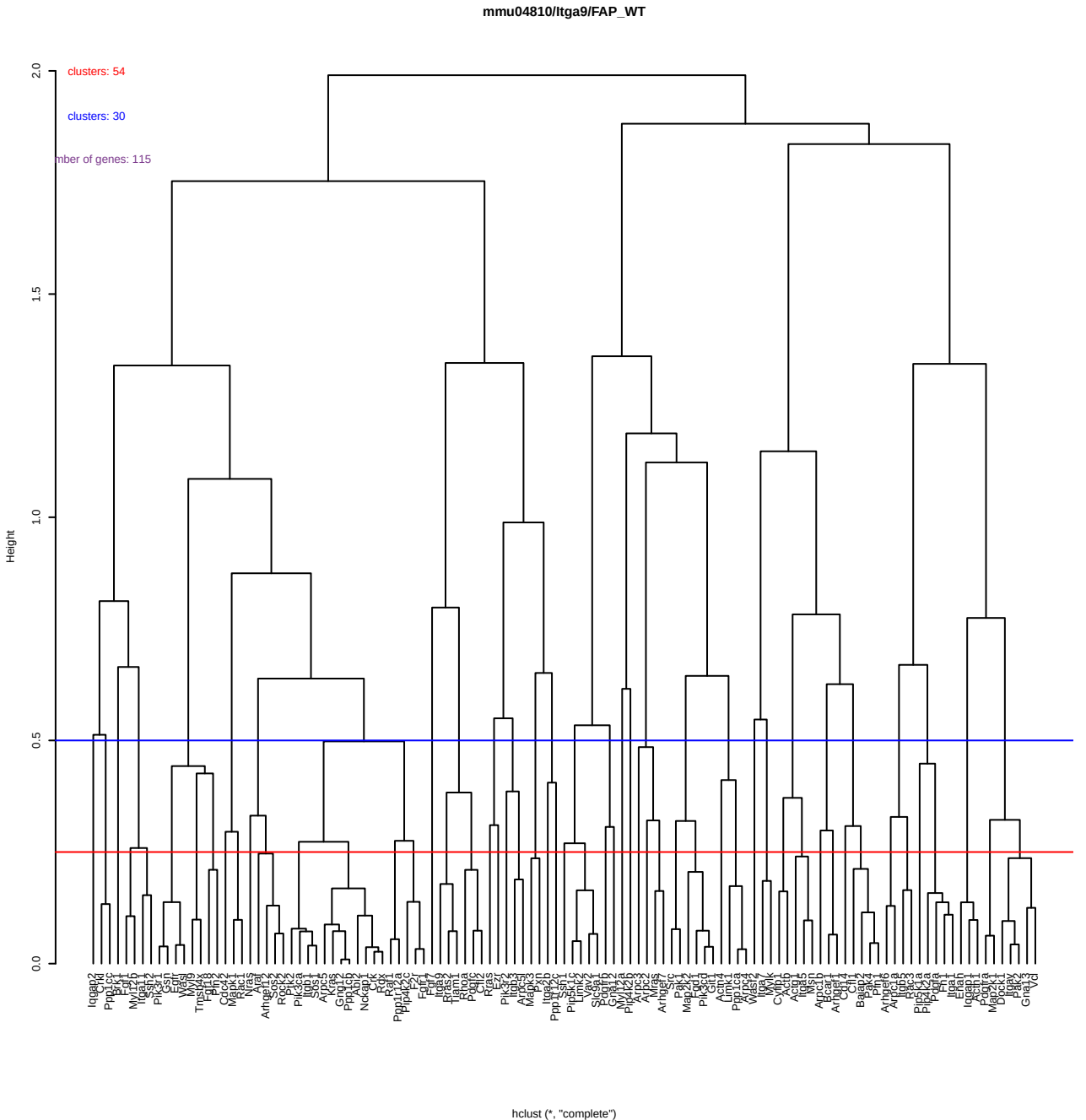

mmu04514/Itga9/EC_KO
clusters: 15
clusters: 9
number of genes: 35
Height
2.0
1.5
1.0
0.5
0.0
Gm11127
H2−T9
H2−T23
H2−D1
H2−T22
H2−T10
Cldn15
H2−Q4
H2−Q1
H2−K1
Vcam1
Pvr
H2−Q7
Itga9
Sdc4
H2−M3
Icam1
Cadm3
Itgav
Vcan
Itgb1
Sdc1
Mpzl1
Glg1
Ptprm
Cd276
Neo1
H2−Aa
Nlgn2
Cldn10
Sdc3
Jam3
Ptprf
Cd34
Sdc2
hclust (*, "complete")



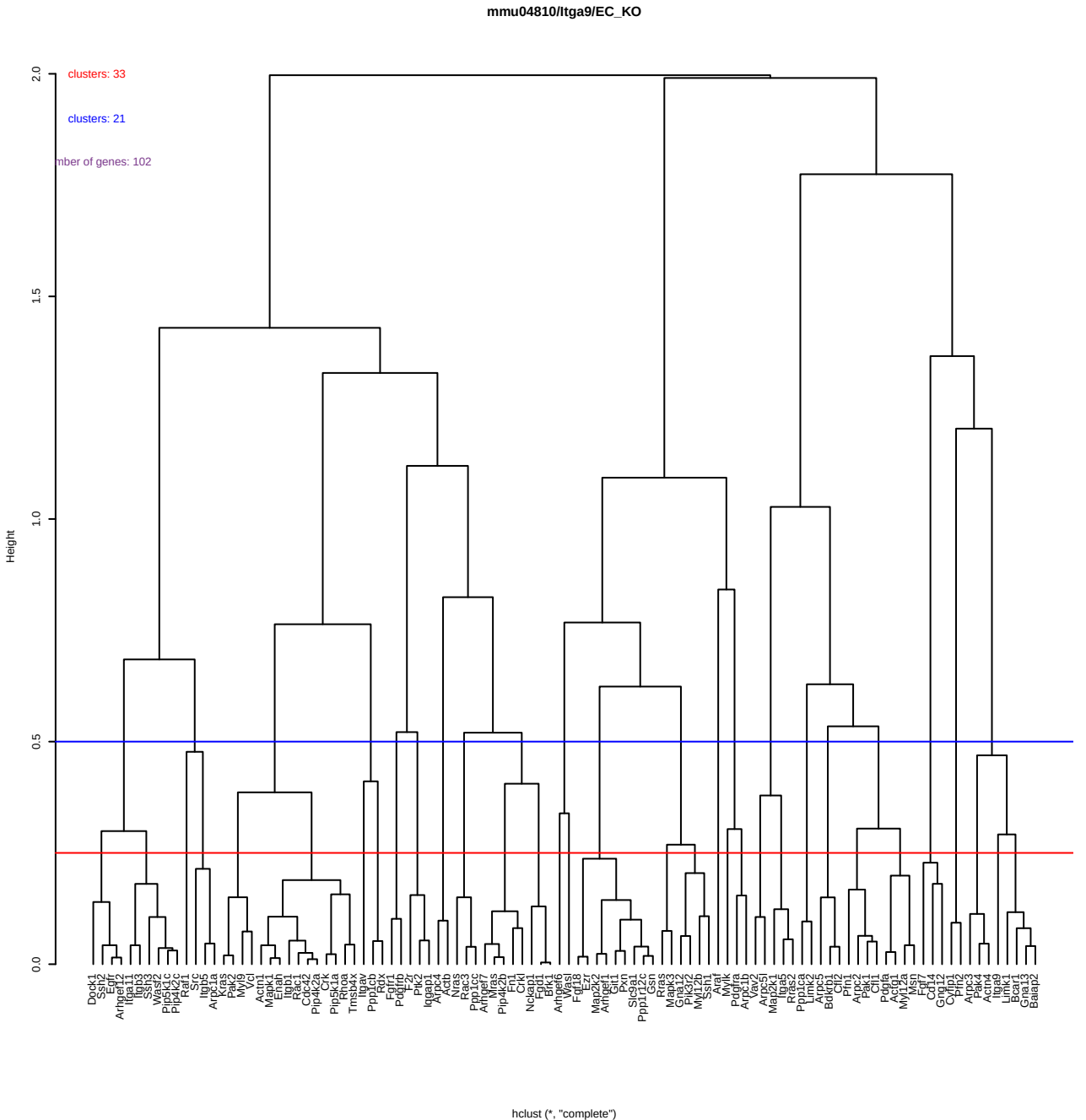
hclust (*, "complete")

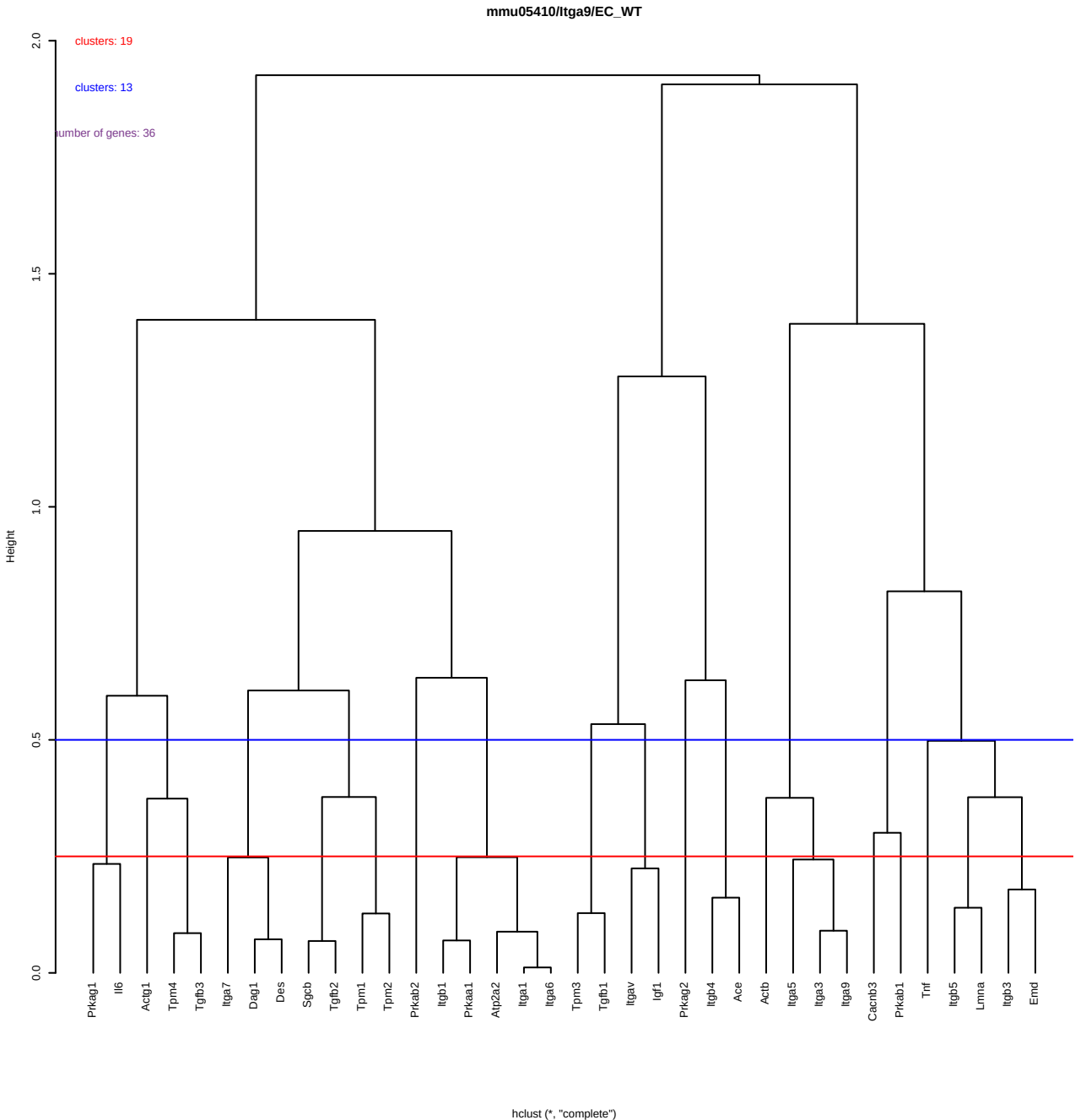


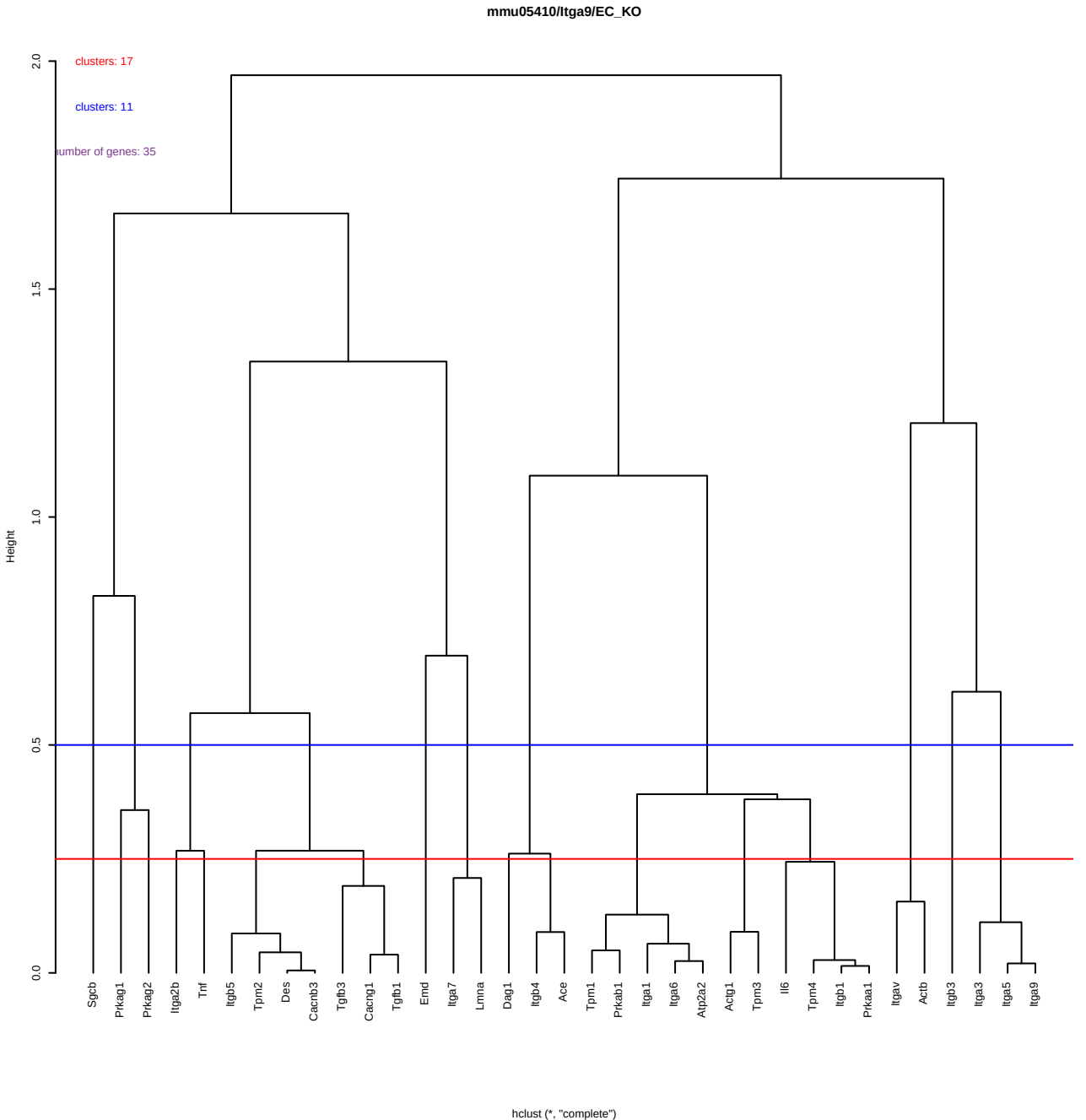
hclust (*, "complete")

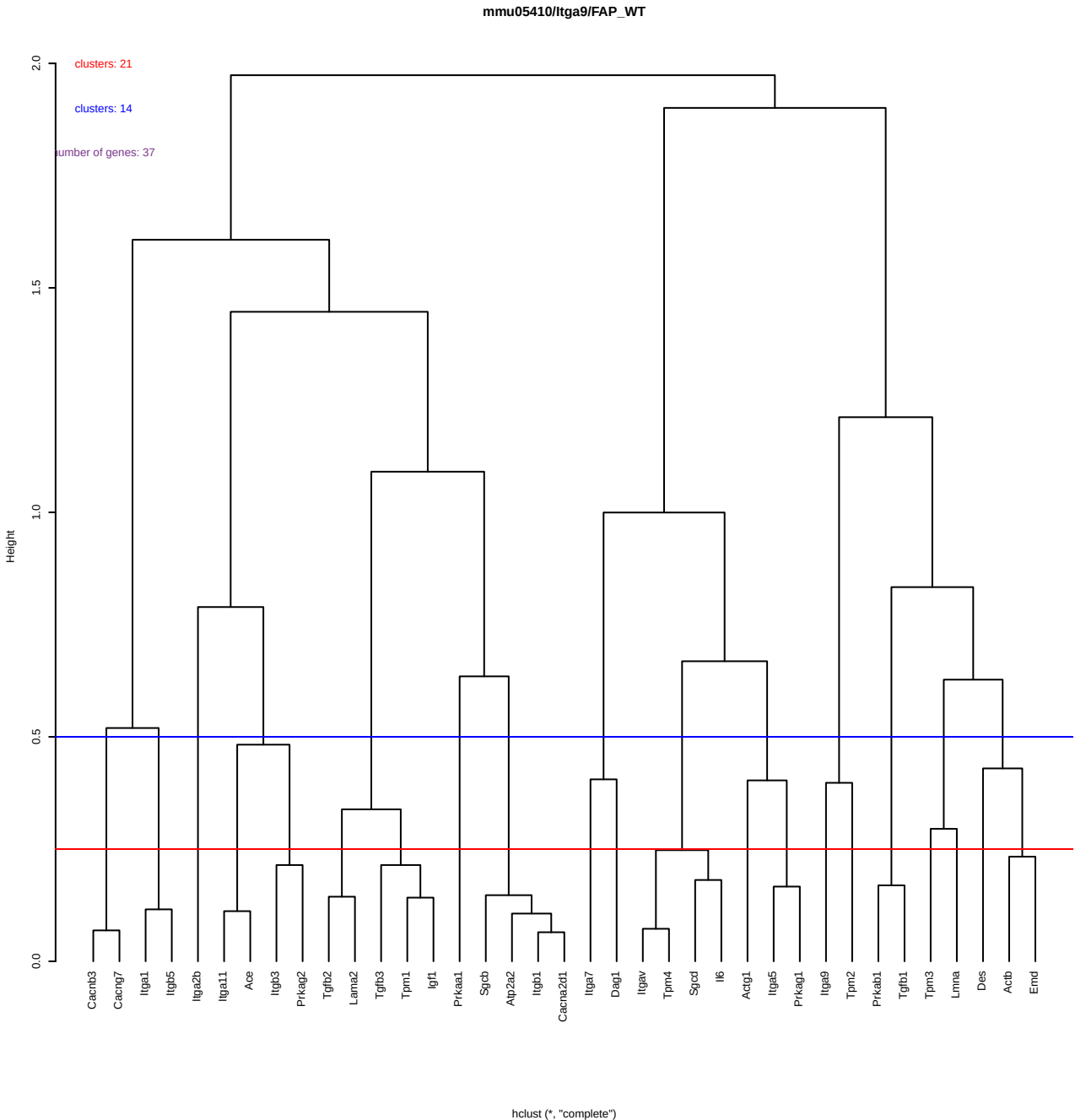


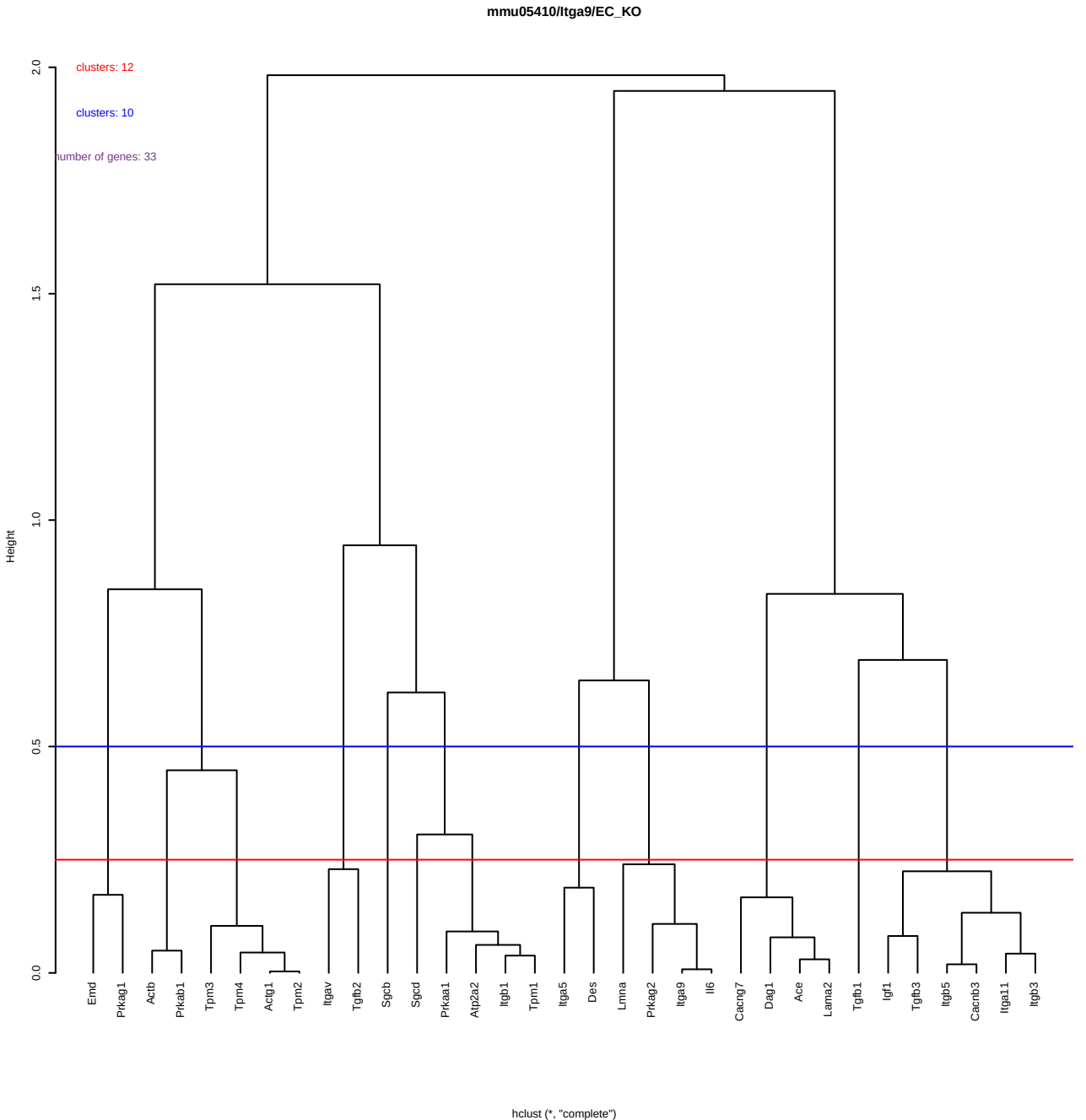
hclust (*, "complete")

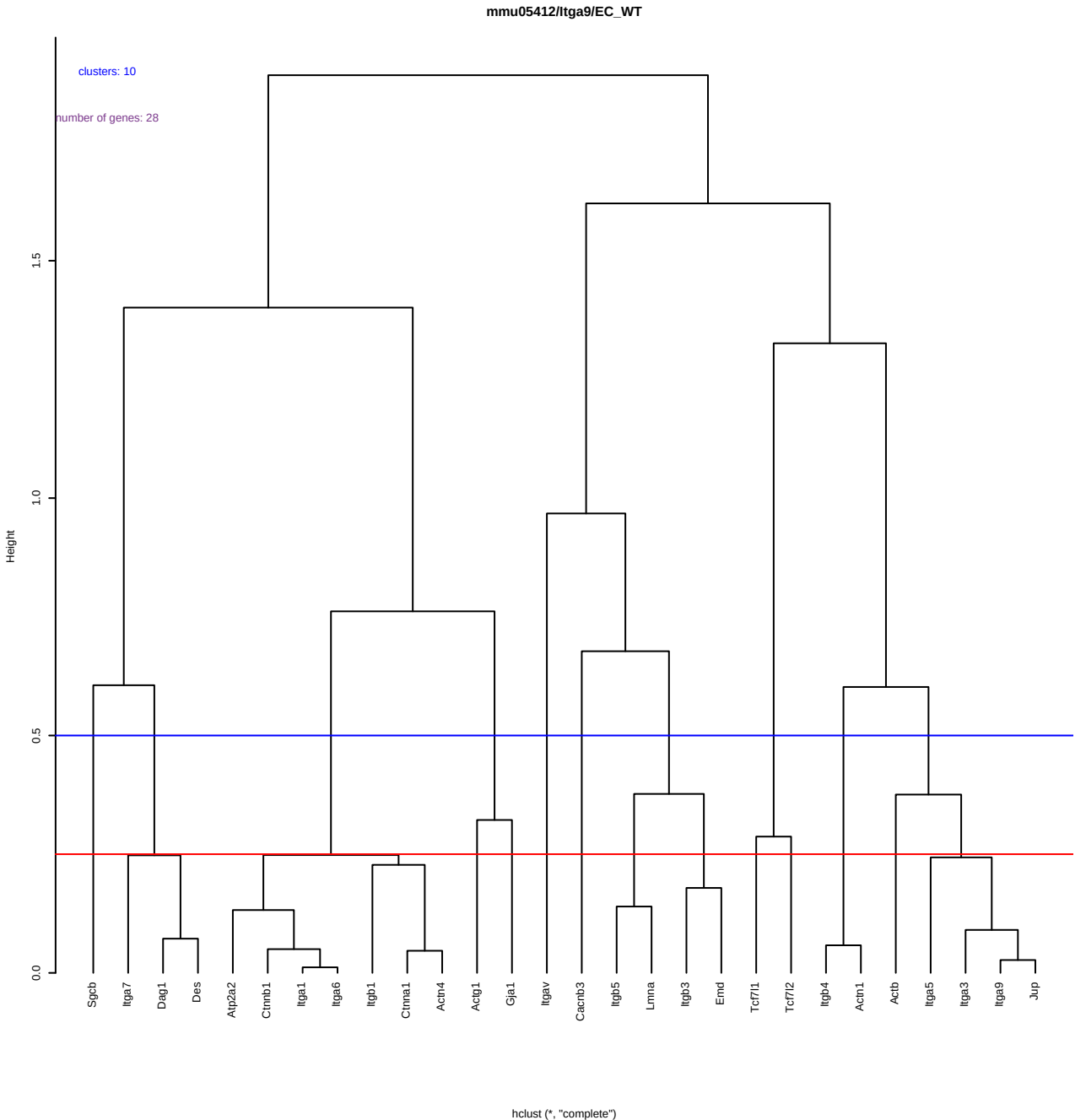

mmu04810/Itga9/EC_KO
clusters: 33
clusters: 21
mber of genes: 102
Height
2.0
1.5
1.0
0.5
0.0
Dock1
Ssh2
Egfr
Arhgef12
Itga11
Itgb3
Ssh3
Wasf2
Pip5k2c
Pip4k2c
Raf1
Src
Itgb5
Arpc1a
Kras
Pak2
Myl9
Vcl
Acin1
Mapk1
Ehah
Itgb1
Rac1
Cdc42
Pip4k2a
Crk
Pip5k1a
Rhoa
Tmsb4x
Itga2
Ppp1cb
Rdx
Fgfr1
Pdgfra
E2f
Pik2
Iqgap1
Arpc4
Arpc1b
Nras
Rac3
Ppp1cc
Arhgef7
Pip4k2b
Fn1
Crkl
Nckap1
Fgd1
Brk1
Arhgef6
Wasl
Fgfr3
Ezr
Map2k2
Arhgef1
Pxn
Pkn1
Slc9a1
Ppp1r12c
Gsn
Ras
Mapk3
Gna12
Pik3r2
Myl12b
Sos1
Xiap
Mylk
Pdgfra
Arpc1b
Dsp
Arpc5l
Map2k1
Itga5
Rras2
Ppp1r12a
Arpc5
Limk2
Bdkrb1
Cfl2
Prn1
Arpc2
Pak1
Cfl1
Pgam1
Actn1
Myl12a
Msn
Ezr
Cfl1
Gng12
Cyfip1
Prn2
Arpc3
Pak4
Actn4
Itga9
Limk1
Epac1
Gna13
Baiap2
hclust (*, "complete")

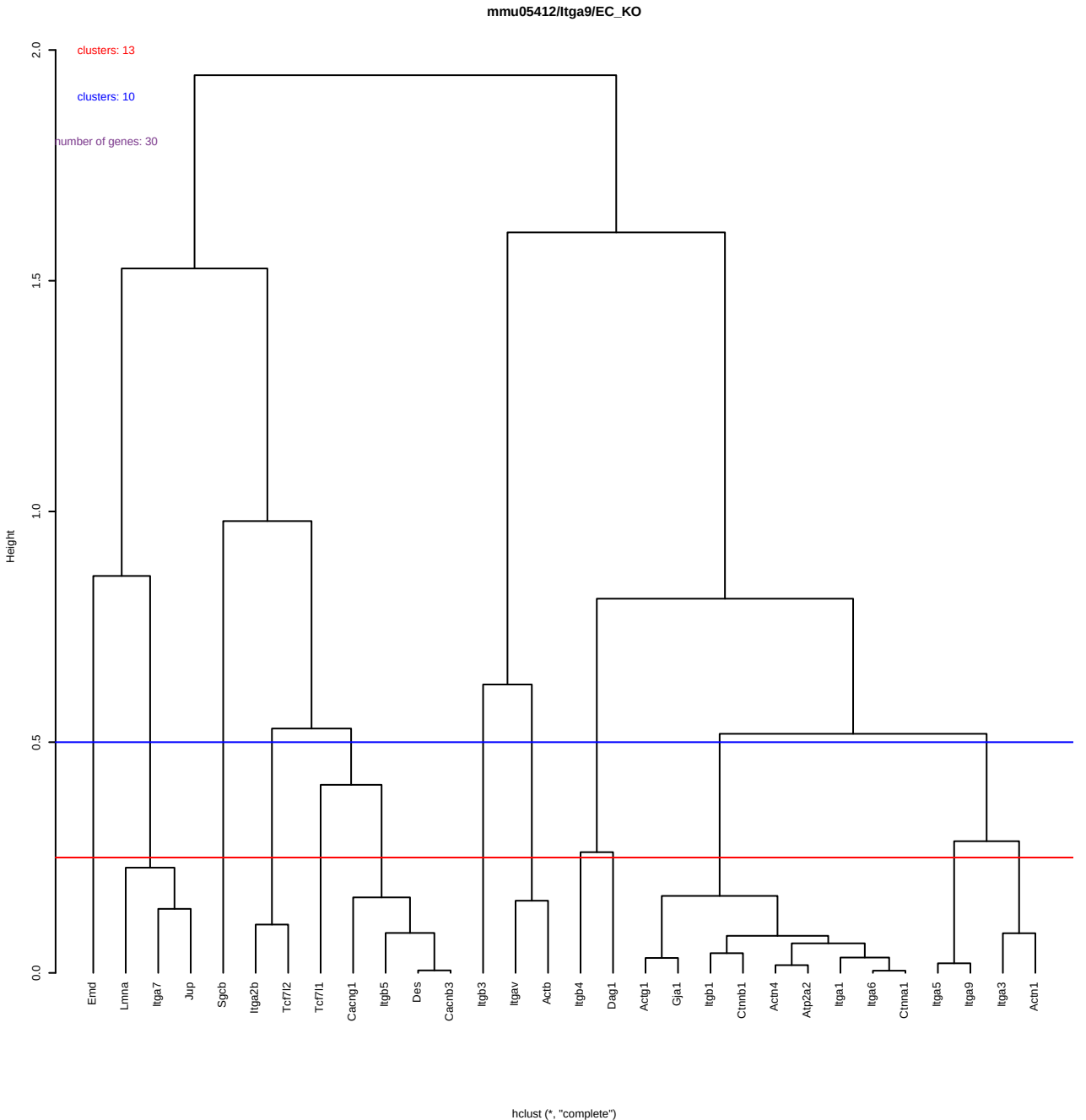

mmu05410/Itga9/EC_WT
clusters: 19
clusters: 13
number of genes: 36
Height
0.0
0.5
1.0
1.5
2.0
Prkag1
Il6
Actg1
Tpm4
Tgfb3
Itga7
Dag1
Des
Sgcb
Tgfb2
Tpm1
Tpm2
Prkab2
Itgb1
Prkaa1
Atp2a2
Itga1
Itga6
Tpm3
Tgfb1
Itgav
Igf1
Prkag2
Itgb4
Ace
Actb
Itga5
Itga3
Itga9
Cacnb3
Prkab1
Tnf
Itgb5
Lmna
Itgb3
Emd
hclust (*, "complete")

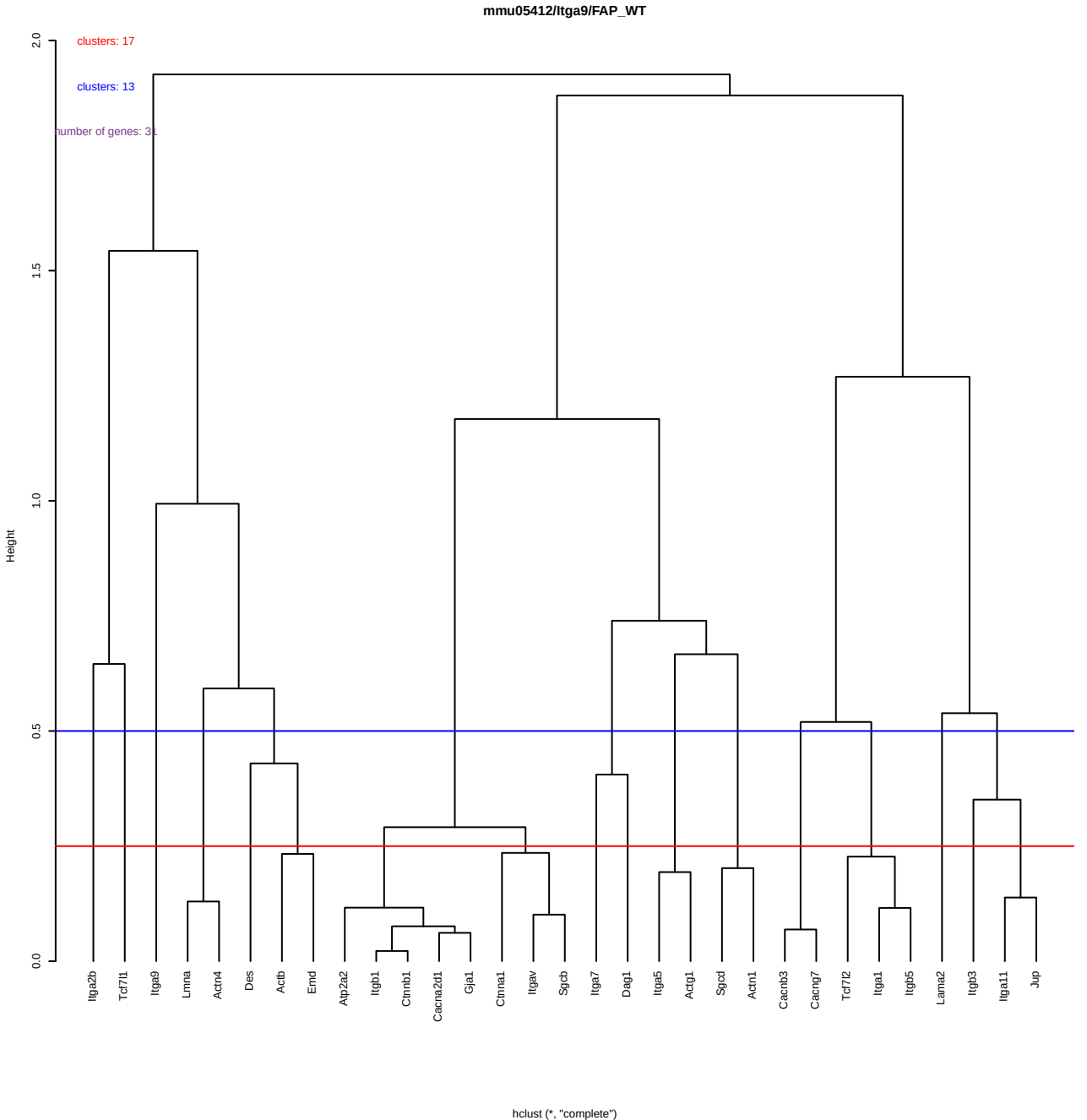

mmu05410/Itga9/EC_KO
clusters: 17
clusters: 11
number of genes: 35
Height
0.0
0.5
1.0
1.5
2.0
Sgcb
Prkag1
Prkag2
Itga2b
Tnf
Itgb5
Tpm2
Des
Cacnb3
Tgfb3
Cacng1
Tgfb1
Emd
Itga7
Lmna
Dag1
Itgb4
Ace
Tpm1
Prkab1
Itga1
Itga6
Atp2a2
Actg1
Tpm3
Il6
Tpm4
Itgb1
Prkaa1
Itgav
Actb
Itgb3
Itga3
Itga5
Itga9
hclust (*, "complete")

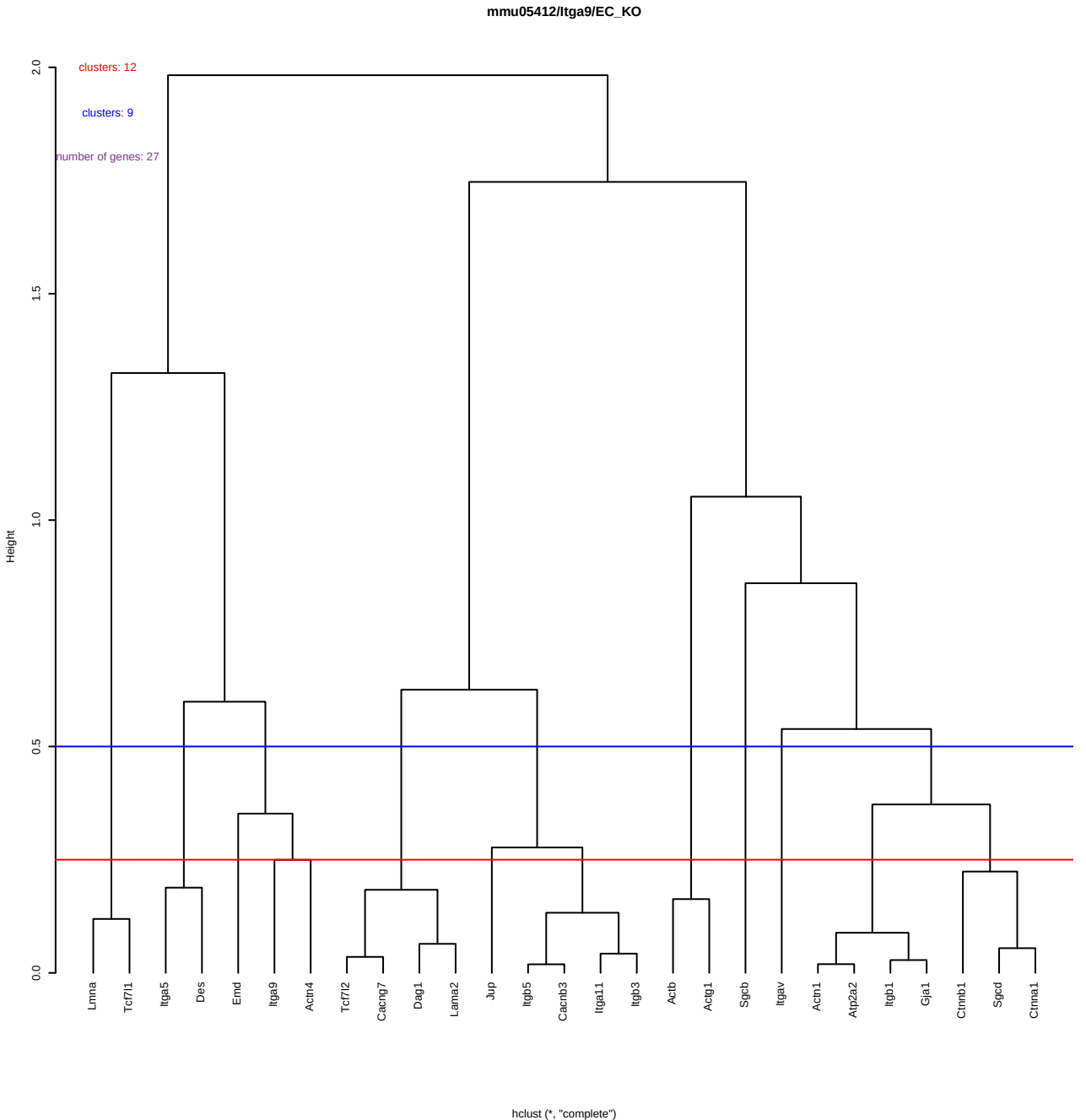

mmu05410/Itga9/FAP_WT
clusters: 21
clusters: 14
umber of genes: 37
Height
2.0
1.5
1.0
0.5
0.0
Cacnb3
Cacng7
Itga1
Itgb5
Itga2b
Itga11
Ace
Itgb3
Prkag2
Tgfb2
Lama2
Tgfb3
Tpm1
Igf1
Prkaa1
Sgcb
Atp2a2
Itgb1
Cacna2d1
Itga7
Dag1
Itgav
Tpm4
Sgcd
Il6
Actg1
Itga5
Prkag1
Itga9
Tpm2
Prkab1
Tgfb1
Tpm3
Lmna
Des
Actb
Emd
hclust (*, "complete")

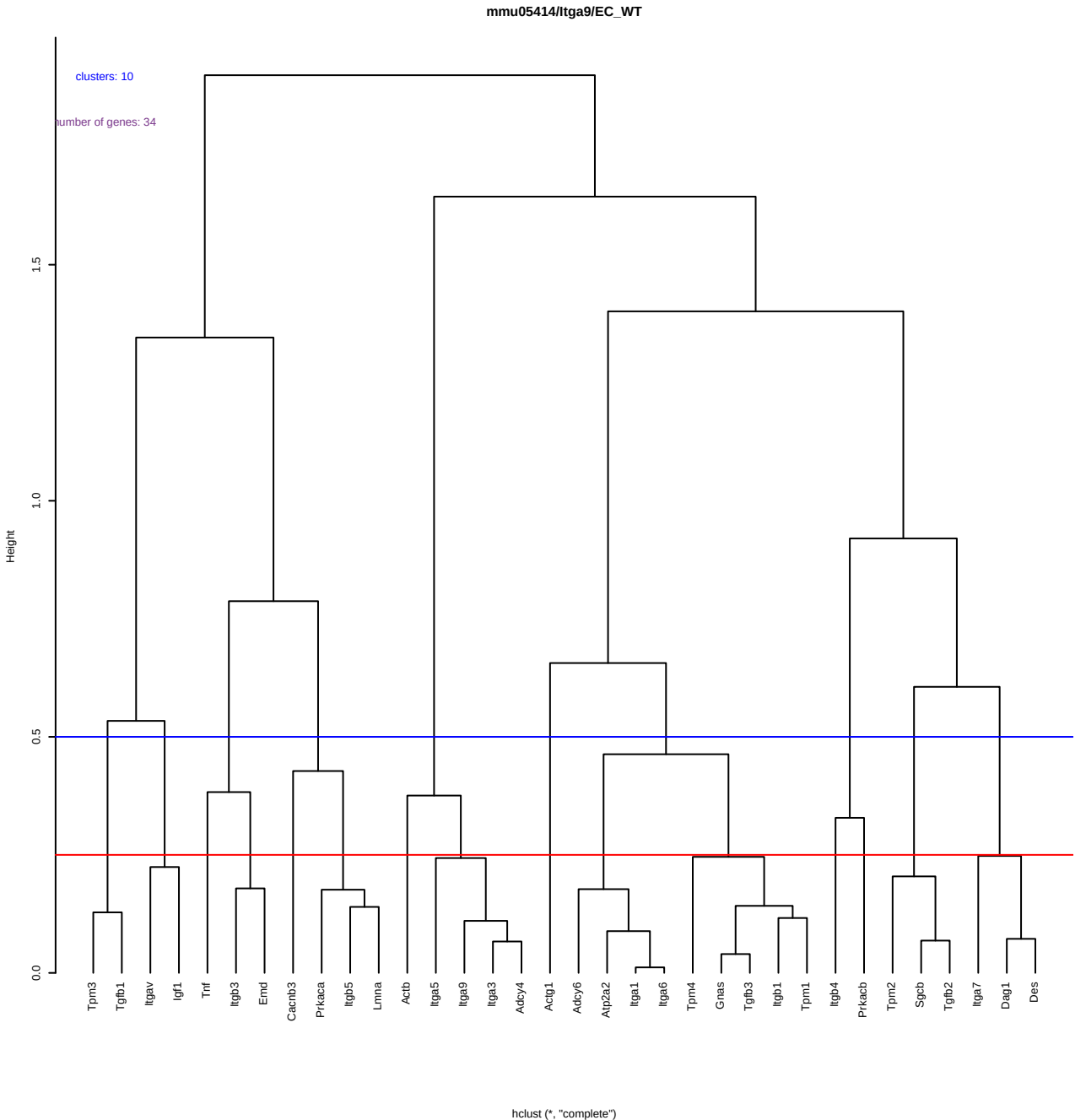

mmu05410/Itga9/EC_KO
clusters: 12
clusters: 10
number of genes: 33
Height
2.0
1.5
1.0
0.5
0.0
Emd
Prkag1
Actb
Prkab1
Tpm3
Tpm4
Actg1
Tpm2
Itgav
Tgfb2
Sgcb
Sgcd
Prkaa1
Atp2a2
Itgb1
Tpm1
Itga5
Des
Lmna
Prkag2
Itga9
Il6
Cacng7
Dag1
Ace
Lama2
Tgfb1
Igf1
Tgfb3
Itgb5
Cacnb3
Itga11
Itgb3
hclust (*, "complete")

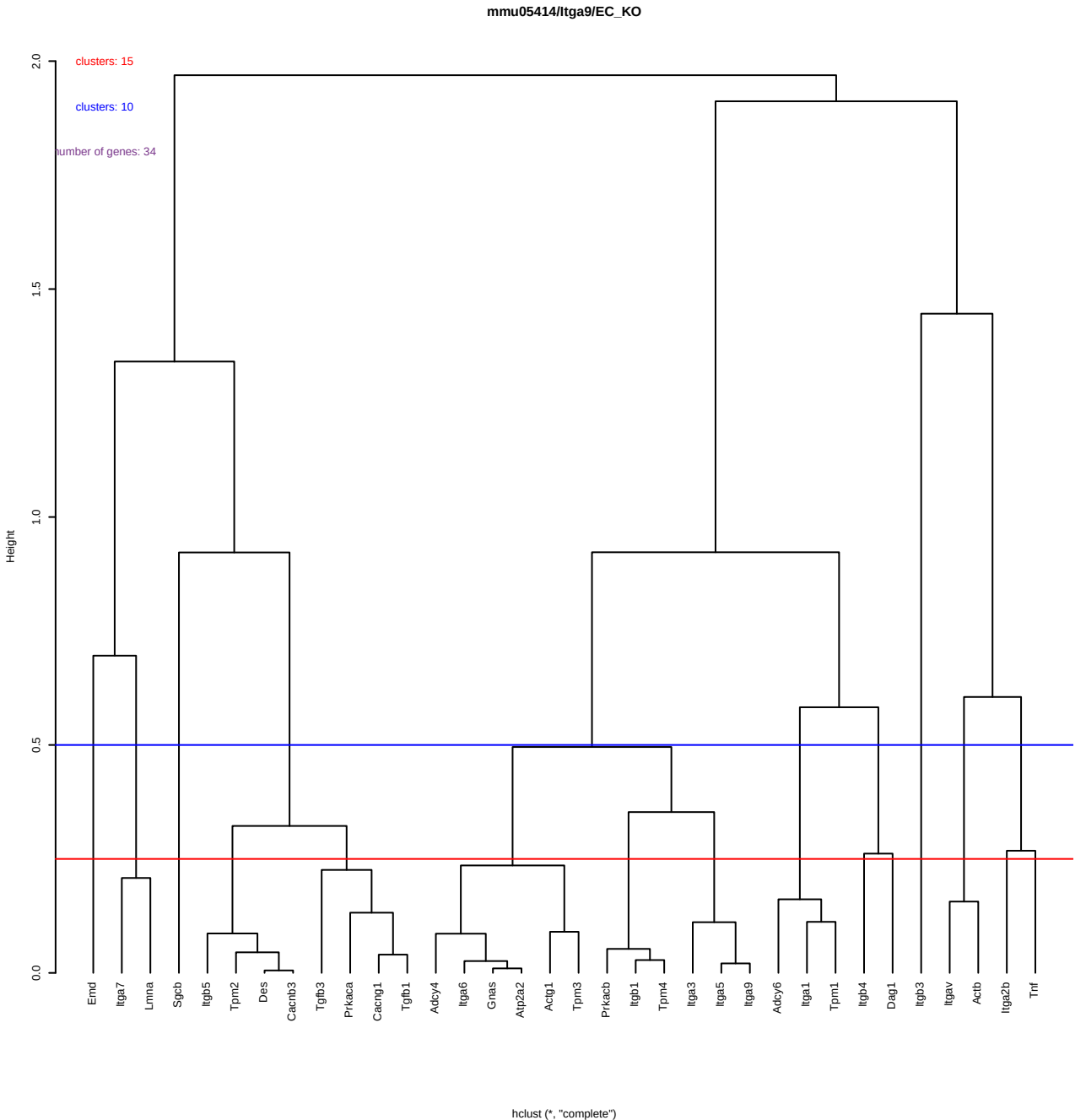

mmu05412/Itga9/EC_WT
clusters: 10
number of genes: 28
Height
0.0
0.5
1.0
1.5
Sgcb
Itga7
Dag1
Des
Atp2a2
Ctnnb1
Itga1
Itga6
Itgb1
Ctnna1
Actn4
Actg1
Gja1
Itgav
Cacnb3
Itgb5
Lmna
Itgb3
Emd
Tcf7l1
Tcf7l2
Itgb4
Actn1
Actb
Itga5
Itga3
Itga9
Jup
hclust (*, "complete")

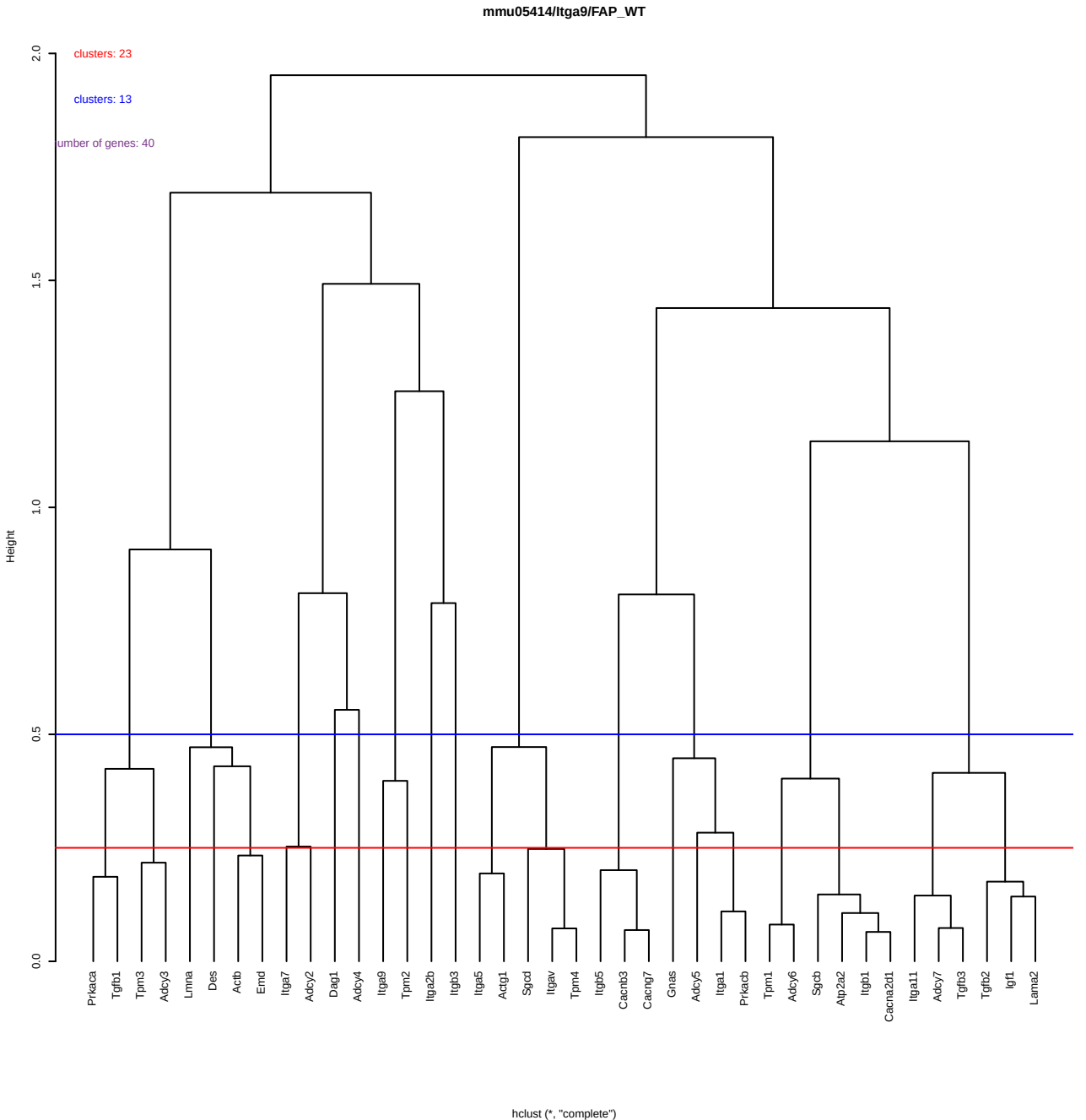

mmu05412/Itga9/EC_KO
clusters: 13
clusters: 10
number of genes: 30
Height
0.0
0.5
1.0
1.5
2.0
Emd
Lmna
Itga7
Jup
Sgcb
Itga2b
Tcf7l2
Tcf7l1
Cacng1
Itgb5
Des
Cacnb3
Itgb3
Itgav
Actb
Itgb4
Dag1
Actg1
Gja1
Itgb1
Ctnnb1
Actn4
Atp2a2
Itga1
Itga6
Ctnna1
Itga5
Itga9
Itga3
Actn1
hclust (*, "complete")

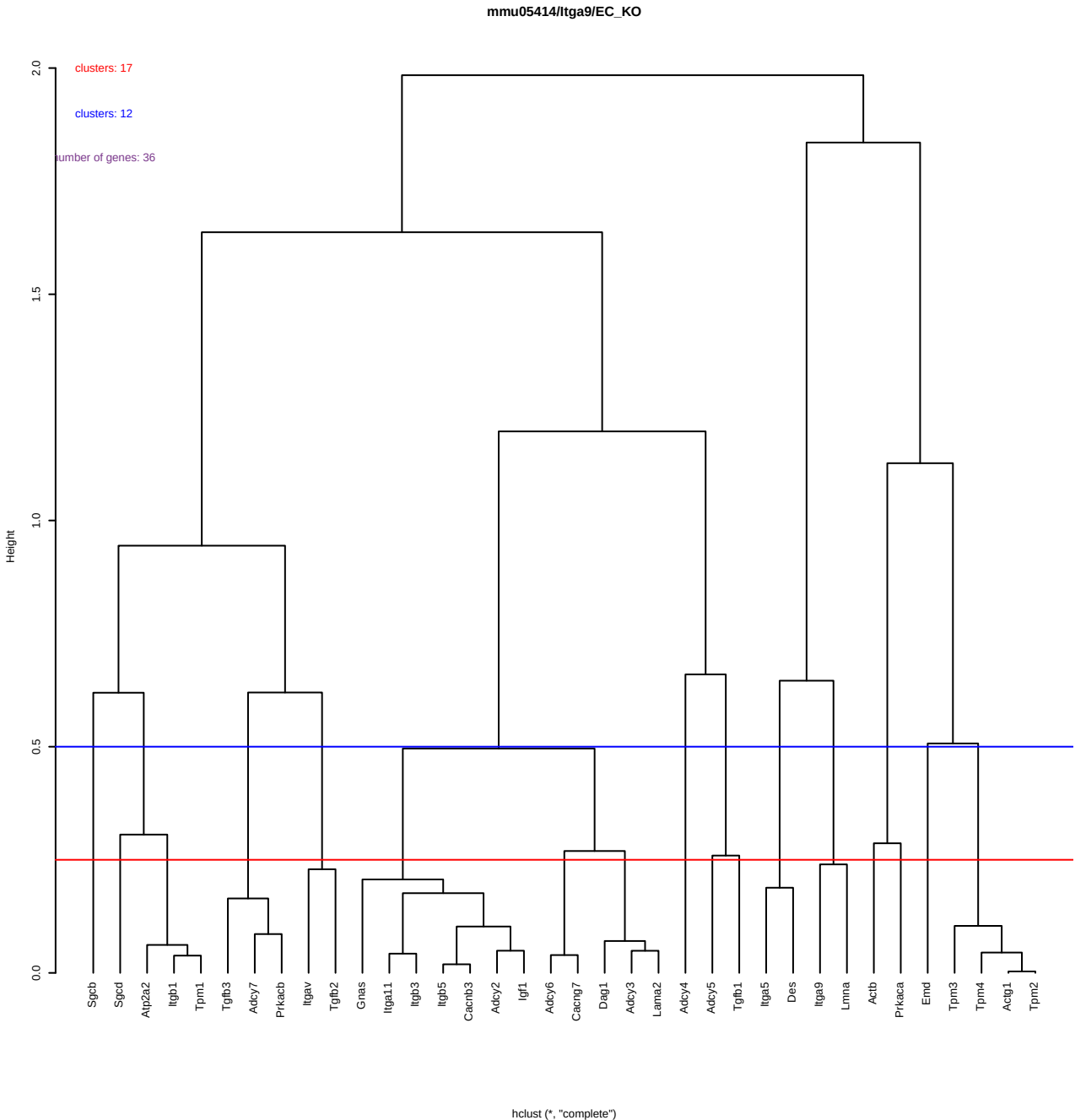

mmu05412/Itga9/FAP_WT
clusters: 17
clusters: 13
number of genes: 31
Height
2.0
1.5
1.0
0.5
0.0
Itga2b
Tcf7l1
Itga9
Lmna
Actn4
Des
Actb
Emd
Atp2a2
Itgb1
Ctnnb1
Cacna2d1
Gja1
Ctnna1
Itgav
Sgcb
Itga7
Dag1
Itga5
Actg1
Sgcd
Actn1
Cacnb3
Cacng7
Tcf7l2
Itga1
Itgb5
Lama2
Itgb3
Itga11
Jup
hclust (*, "complete")


mmu05412/Itga9/EC_KO
clusters: 12
clusters: 9
number of genes: 27
Height
0.0
0.5
1.0
1.5
2.0
Lmna
Tcf7l1
Itga5
Des
Emd
Itga9
Actn4
Tcf7l2
Cacng7
Dag1
Lama2
Jup
Itgb5
Cacnb3
Itga11
Itgb3
Actb
Actg1
Sgcb
Itgav
Actn1
Atp2a2
Itgb1
Gja1
Ctnnb1
Sgcd
Ctnna1
hclust (*, "complete")


mmu05414/Itga9/EC_WT
clusters: 10
number of genes: 34
Height
0.0
0.5
1.0
1.5
Tpm3
Tgfb1
Itgav
Igf1
Tnf
Itgb3
Emd
Cacnb3
Prkaca
Itgb5
Lmna
Actb
Itga5
Itga9
Itga3
Adcy4
Actg1
Adcy6
Atp2a2
Itga1
Itga6
Tpm4
Gnas
Tgfb3
Itgb1
Tpm1
Itgb4
Prkacb
Tpm2
Sgcb
Tgfb2
Itga7
Dag1
Des
hclust (*, "complete")


mmu05414/Itga9/EC_KO
clusters: 15
clusters: 10
number of genes: 34
Height
0.0
0.5
1.0
1.5
2.0
Emd
Itga7
Lmna
Sgcb
Itgb5
Tpm2
Des
Cacnb3
Tgfb3
Prkaca
Cacng1
Tgfb1
Adcy4
Itga6
Gnas
Atp2a2
Actg1
Tpm3
Prkacb
Itgb1
Tpm4
Itga3
Itga5
Itga9
Adcy6
Itga1
Tpm1
Itgb4
Dag1
Itgb3
Itgav
Actb
Itga2b
Tnf
hclust (*, "complete")


mmu05414/Itga9/FAP_WT
clusters: 23
clusters: 13
umber of genes: 40
Height
2.0
1.5
1.0
0.5
0.0
Prkaca
Tgfb1
Tpm3
Adcy3
Lmna
Des
Actb
Emd
Itga7
Adcy2
Dag1
Adcy4
Itga9
Tpm2
Itga2b
Itgb3
Itga5
Actg1
Sgcd
Itgav
Tpm4
Itgb5
Cacnb3
Cacng7
Gnas
Adcy5
Itga1
Prkacb
Tpm1
Adcy6
Sgcb
Atp2a2
Itgb1
Cacna2d1
Itga11
Adcy7
Tgfb3
Tgfb2
Igf1
Lama2
hclust (*, "complete")


mmu05414/Itga9/EC_KO
clusters: 17
clusters: 12
number of genes: 36
Height
0.0
0.5
1.0
1.5
2.0
Sgcb
Sgcd
Atp2a2
Itgb1
Tpm1
Tgfb3
Adcy7
Prkacb
Itgav
Tgfb2
Gnas
Itga11
Itgb3
Itgb5
Cacnb3
Adcy2
Igf1
Adcy6
Cacng7
Dag1
Adcy3
Lama2
Adcy4
Adcy5
Tgfb1
Itga5
Des
Itga9
Lmna
Actb
Prkaca
Emd
Tpm3
Tpm4
Actg1
Tpm2
hclust (*, "complete")