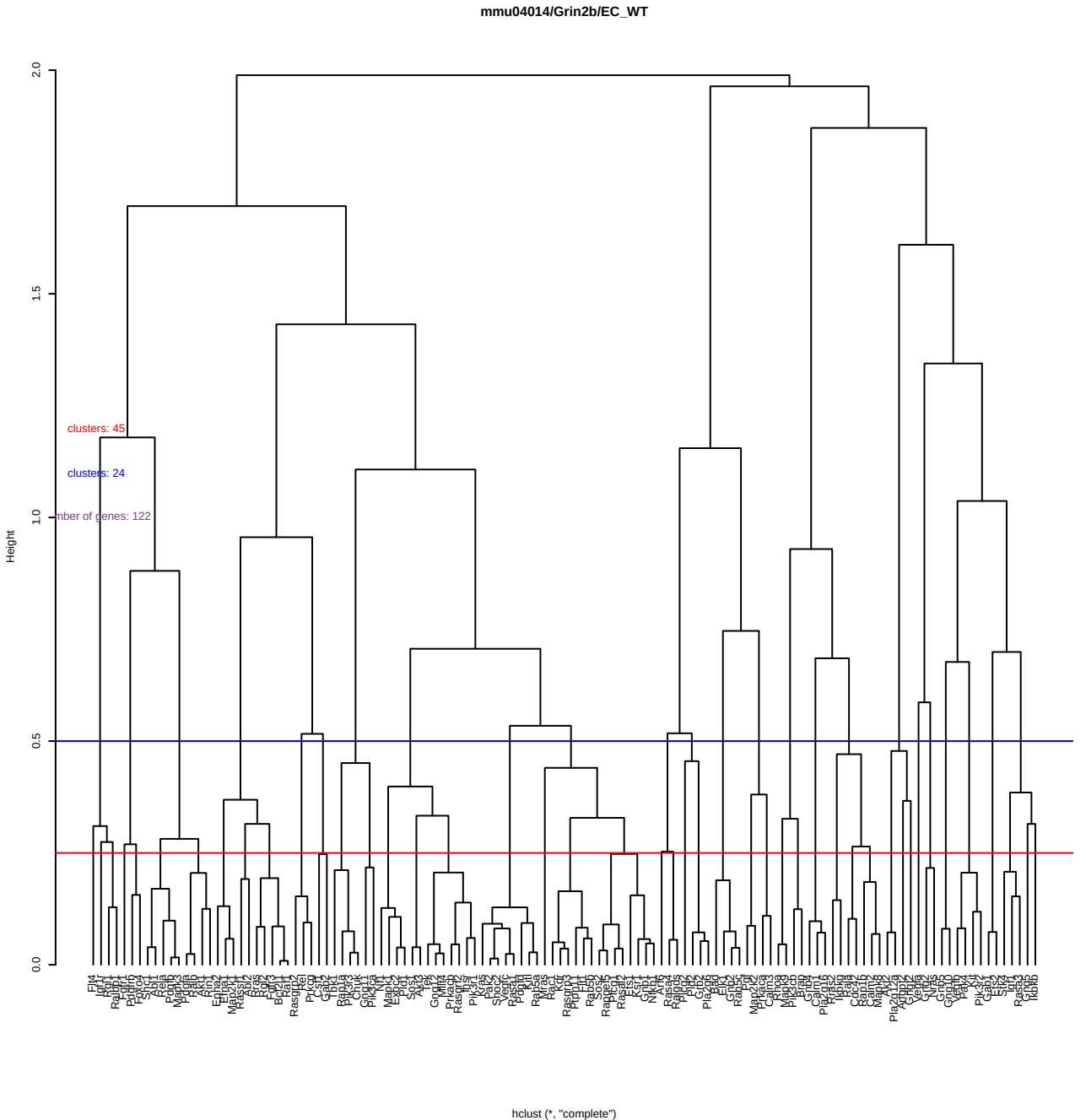
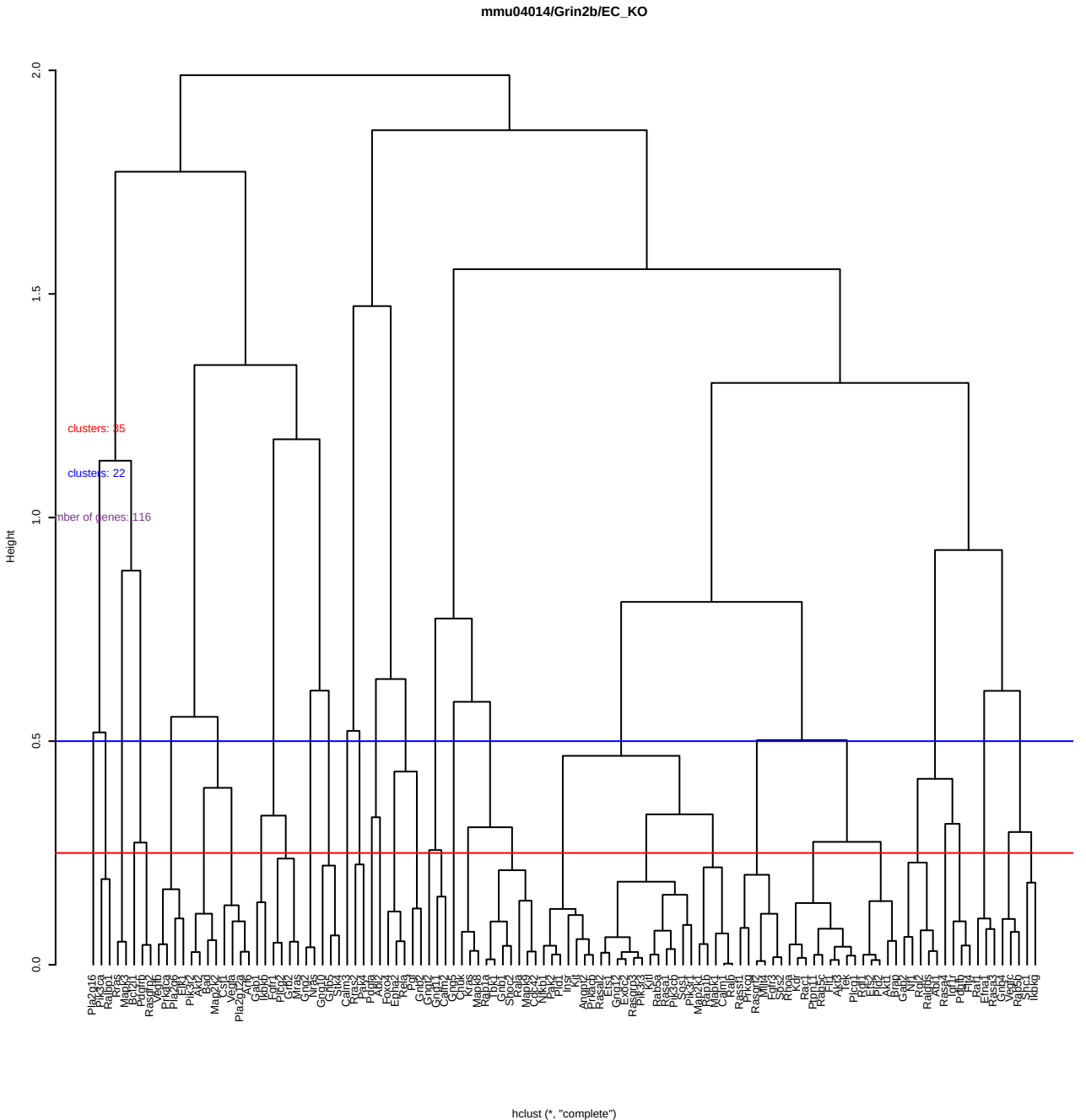

mmu04014/Grin2b/EC_WT
Height
2.0
1.5
1.0
0.5
0.0
clusters: 45
clusters: 24
nber of genes: 122
hclust (*, "complete")


mmu04014/Grin2b/EC_KO
Height
2.0
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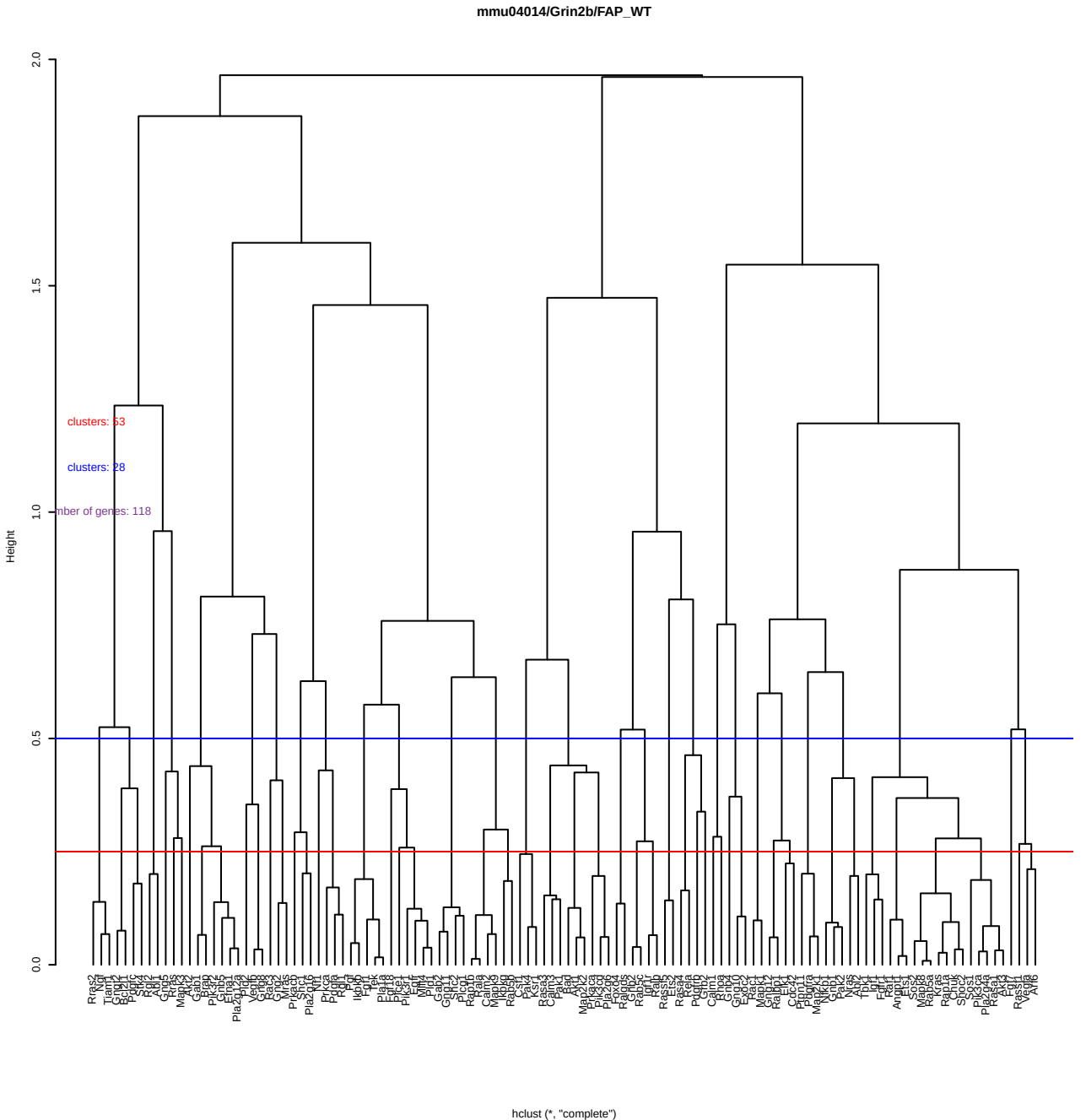
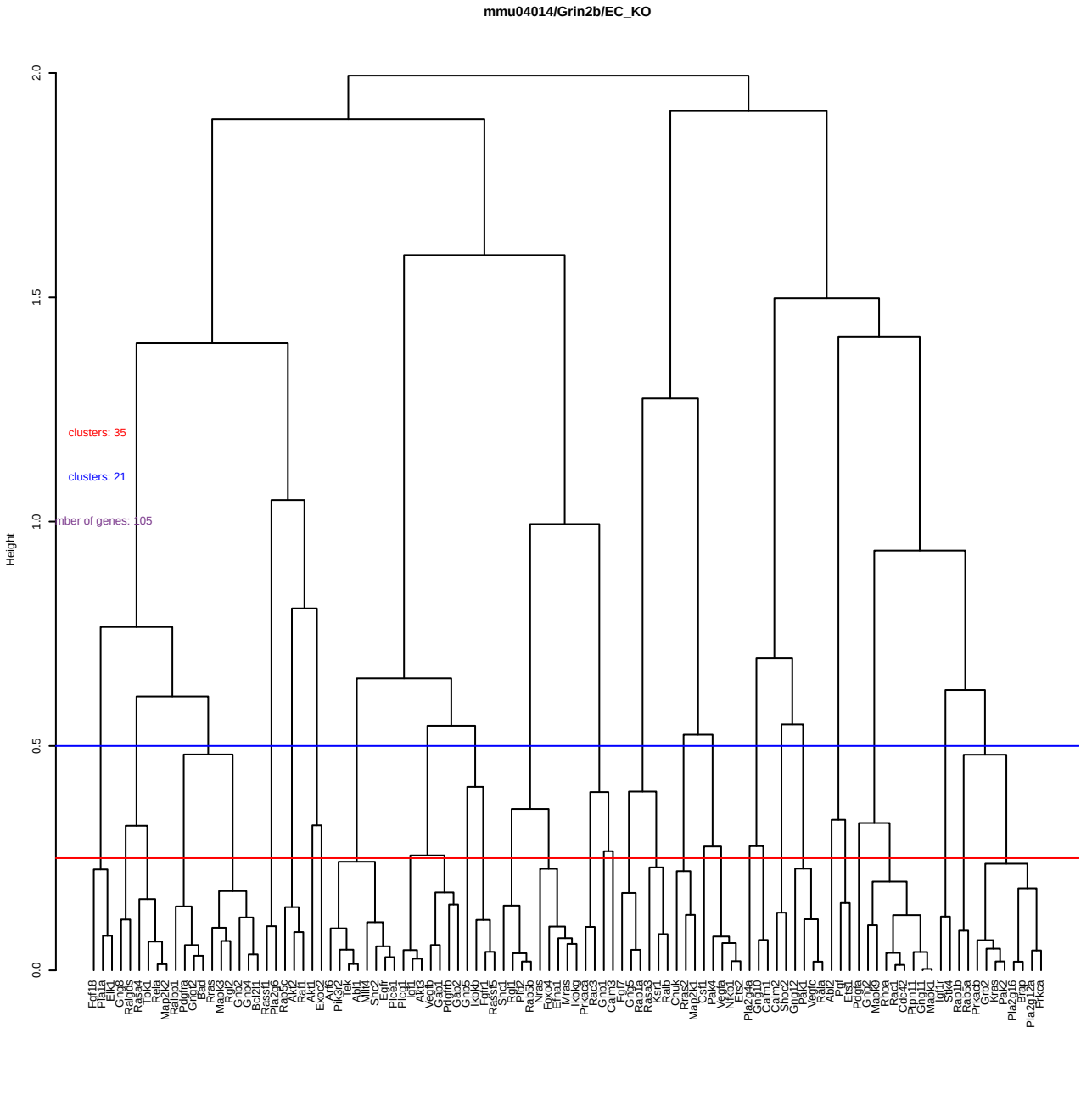
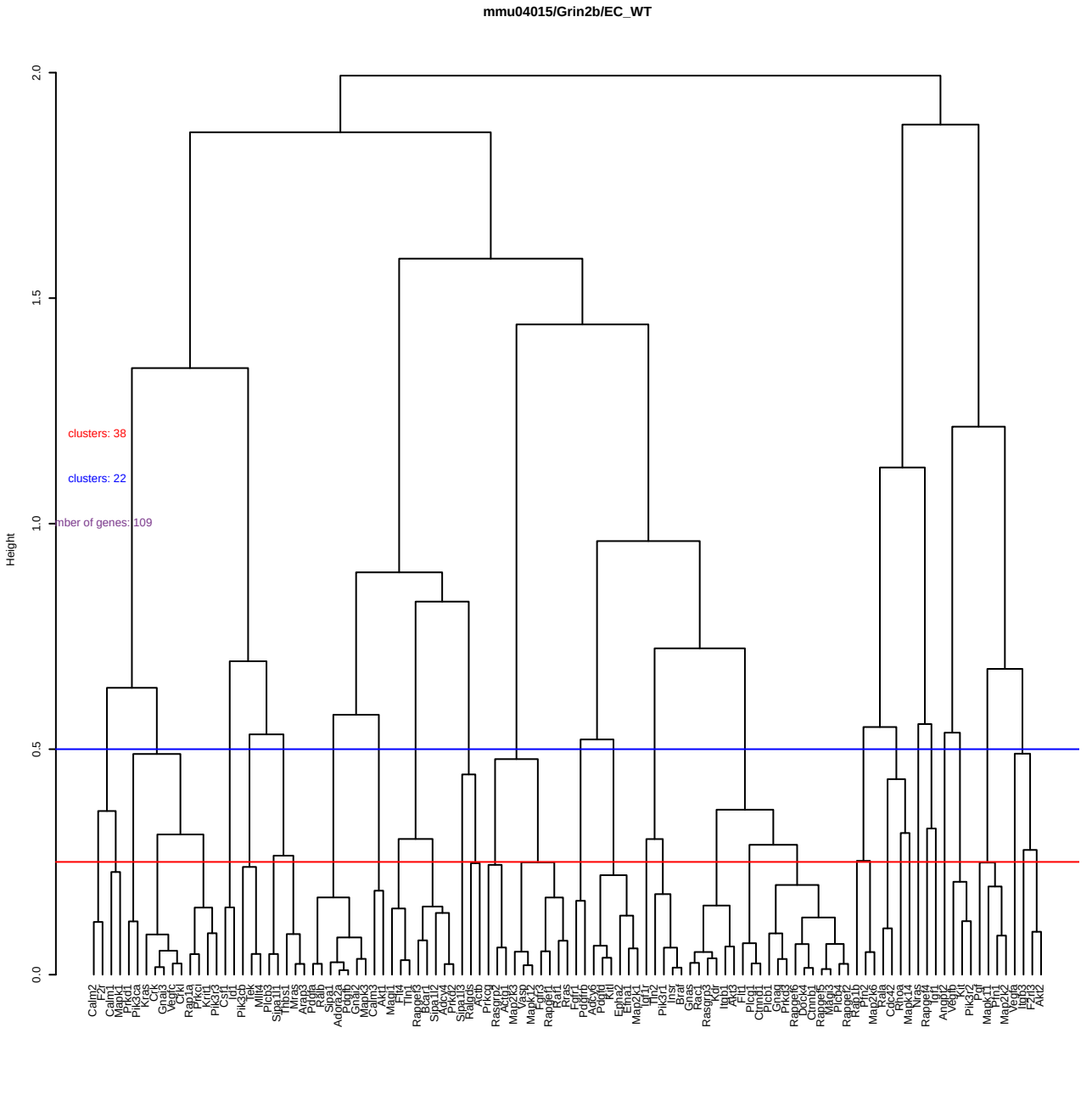
1.0
0.5
0.0
clusters: 35
clusters: 22
nber of genes: 116
hclust (*, "complete")

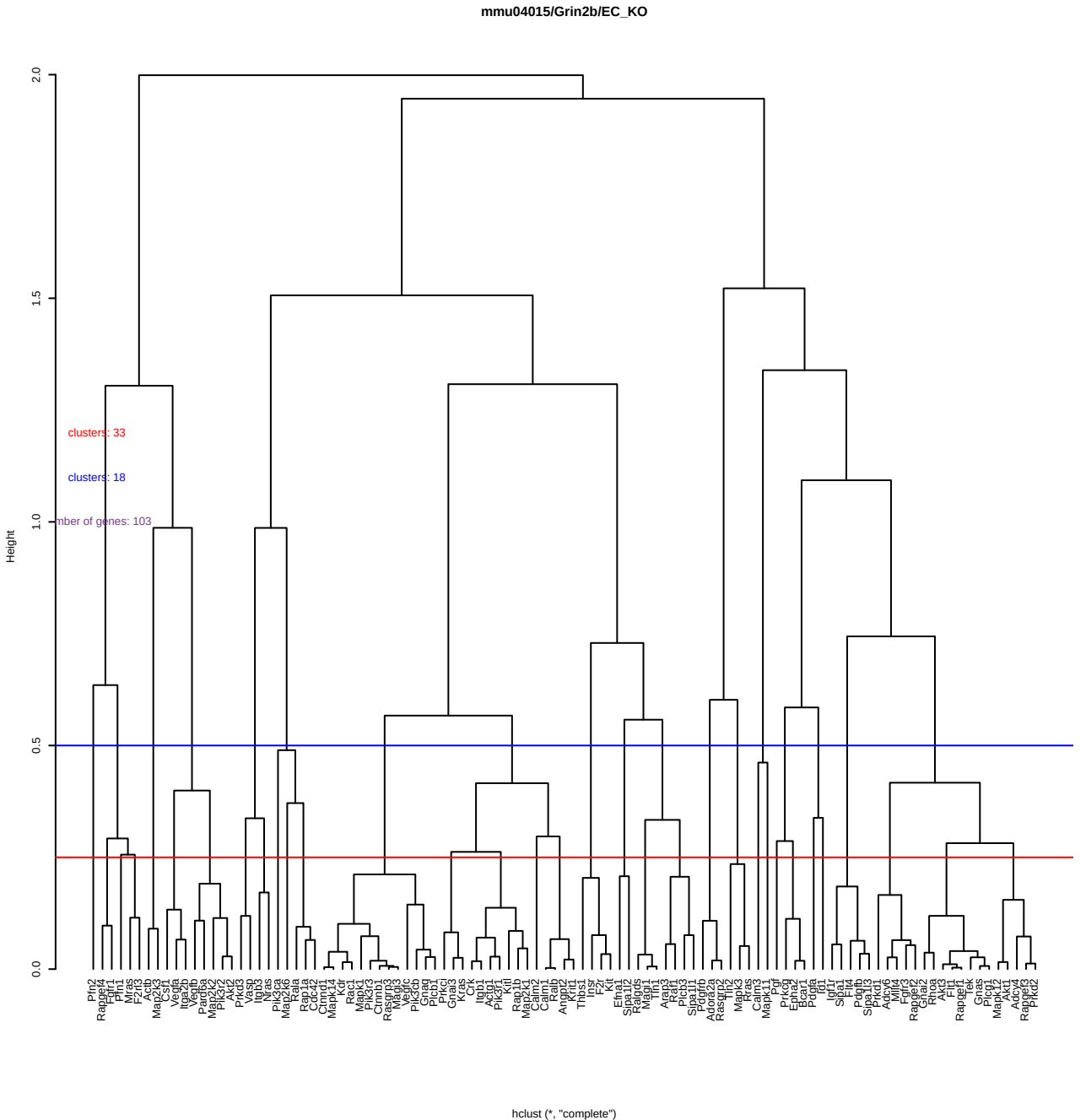

mmu04014/Grin2b/FAP_WT
clusters: 53
clusters: 28
nber of genes: 118
Height
2.0
1.5
1.0
0.5
0.0
hclust (*, "complete")

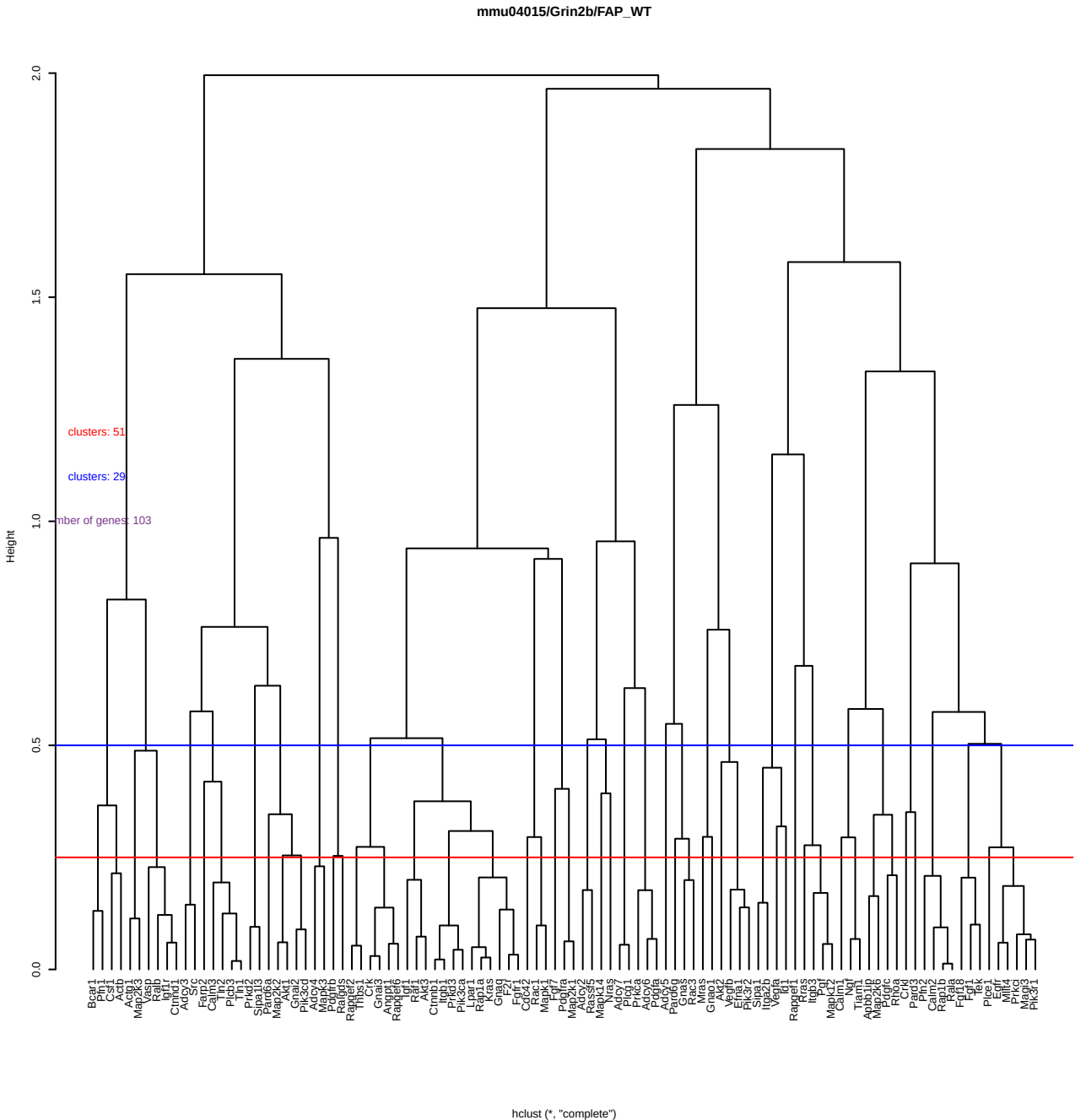



hclust (*, "complete")

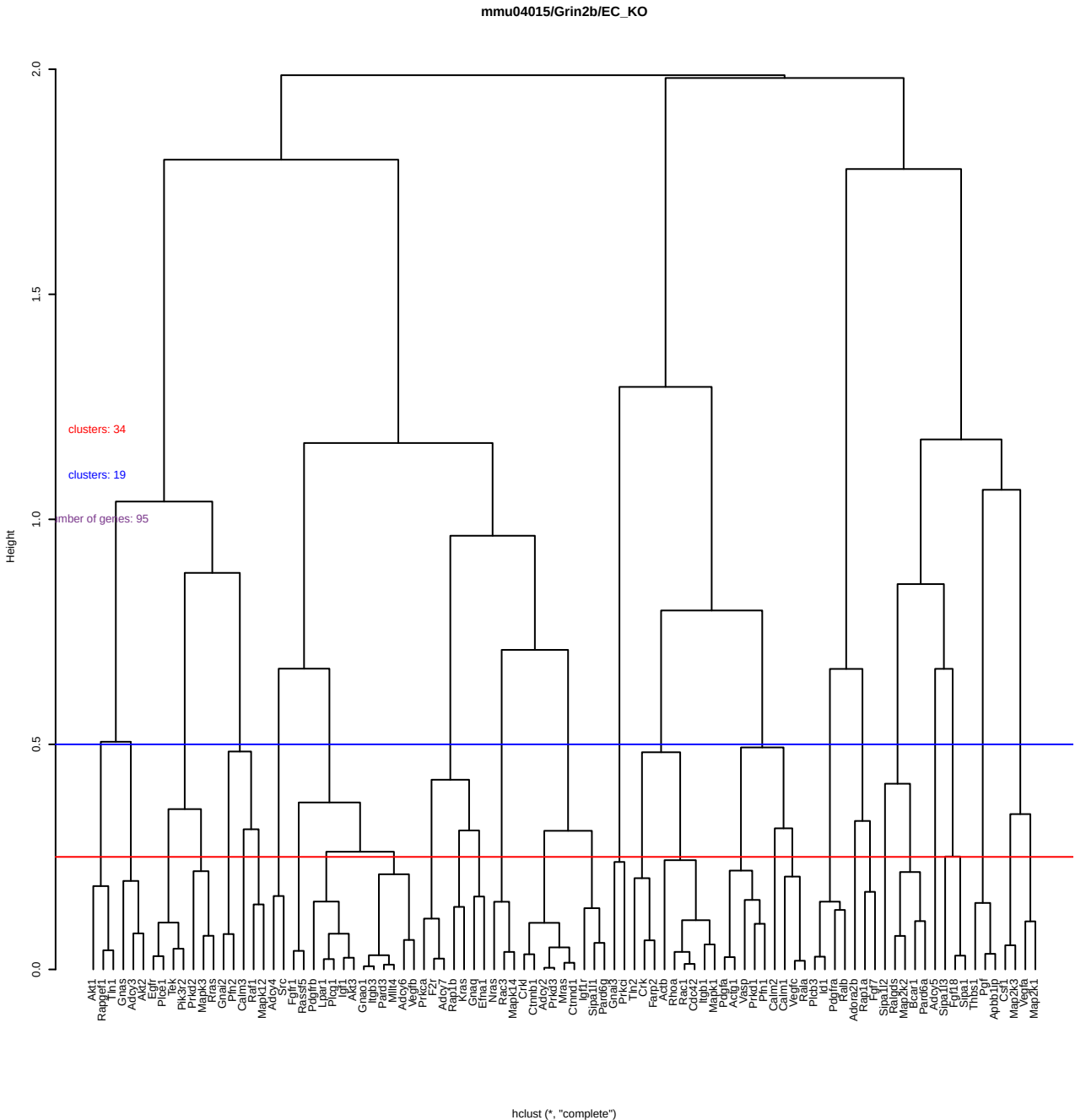


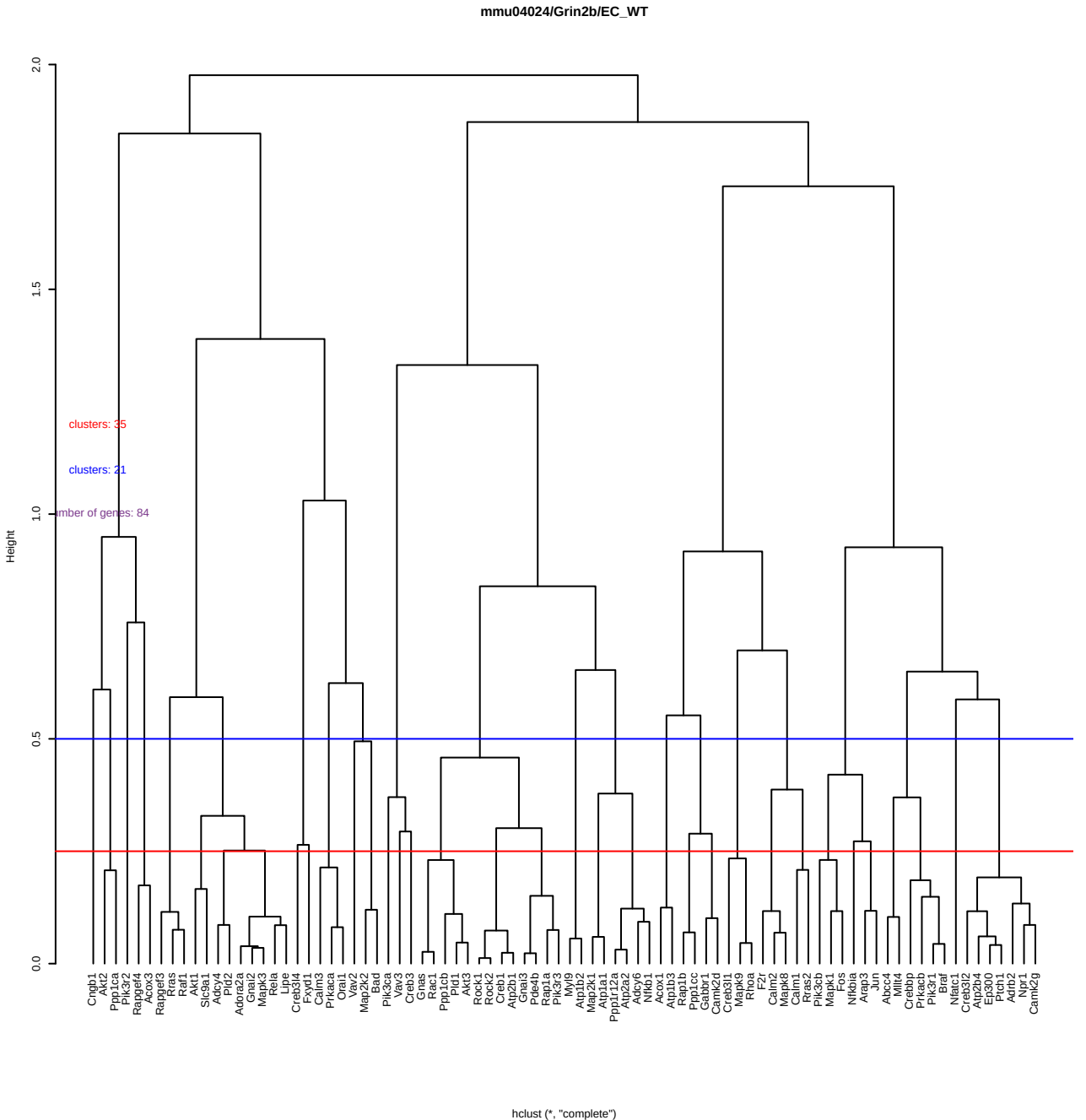

hclust (*, "complete")

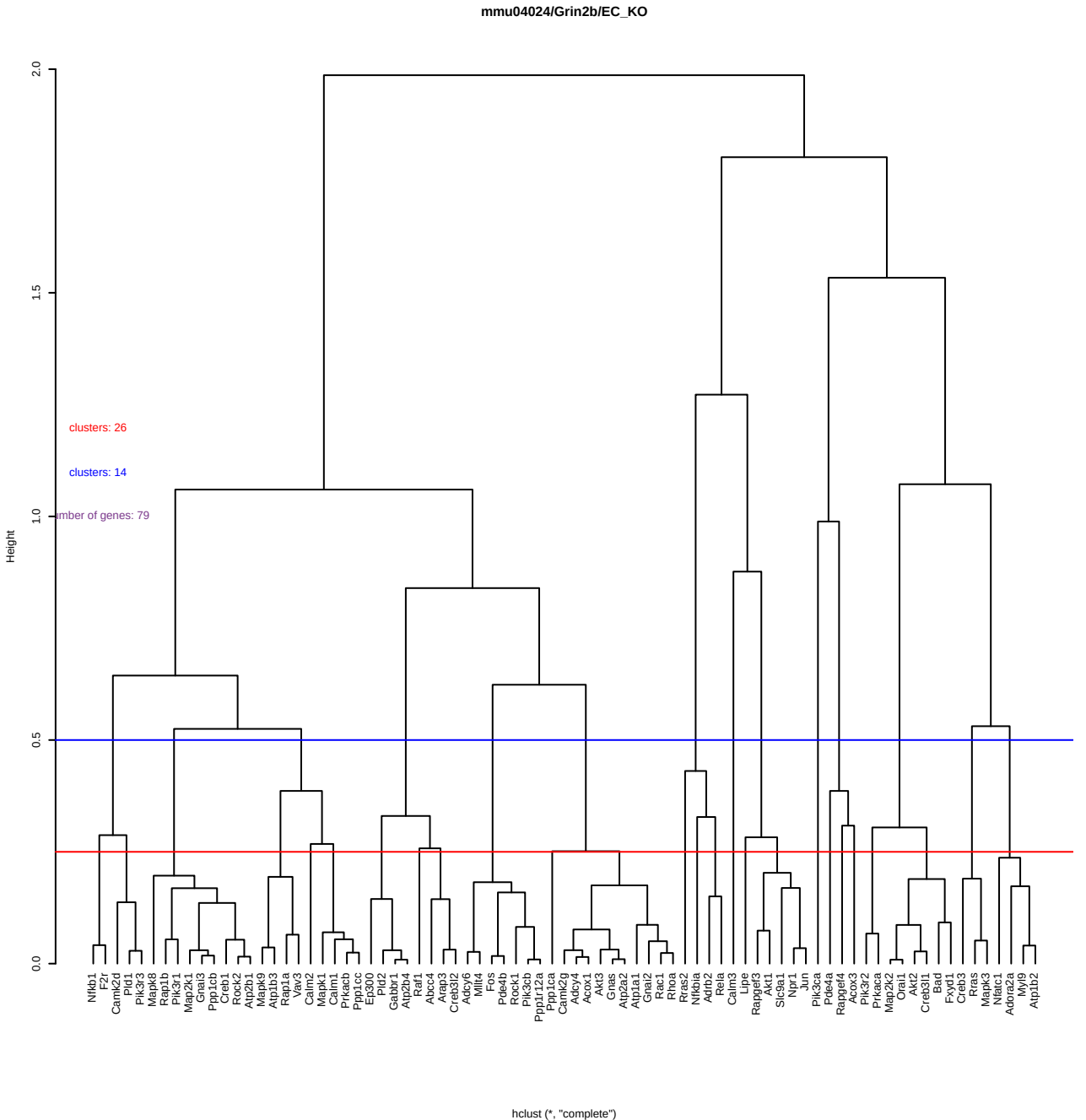

mmu04015/Grin2b/EC_KO
Height
2.0
1.5
1.0
0.5
0.0
clusters: 33
clusters: 18
nber of genes: 103
Pfn2
Rapgef4
Flrt1
Pfn1
Myl6
F2rl3
Actb
Map2k3
Csf1
Vegfa
Itga2b
Vegfb
Pardbp
Mapk12
Pik3r2
Akt2
Prkd3
Vasp
Ivns1b
Nras
Pik3ca
Map2k6
Rcla
Rapgef6
Cdc42
Ctnnd1
Mapk14
Kdr
Rac1
Mapk1
Pik3r3
Ctnnb1
Rasgrp3
Magi3
Vegfc
Pik3cb
Cfl1
Plcb1
Prkci
Gnai3
Kras
Crk
Itgb1
Actg1
Pik3r1
Vtn
Ran
Map2k1
Calm2
Calm1
Cacna1c
Angpt2
Klf1
Thbs1
Hsr
Fzd7
Kit
Efna1
Sipa1l2
Rapgef1
Magi1
Tln1
Arap3
Rac3
Pik3r3
Sipa1l1
Pdgfrb
Adora2a
Rasgrp2
Ptk2
Mapk3
Rras
Calm3
Mapk11
Pgf
Prkcq
Epha2
Ecar1
Pdgfra
Igf1
Igf1r
Sipa1
Hlx
Pdgfb
Sipa1l3
Prkd1
Actn4
Nfkbia
Fgfr3
Rapgef2
Gnai2
Rhoa
Akap9
Flt1
Rapgef1
Tek
Gnas
Plcg1
Mapk12
Akt1
Adcy4
Rapgef3
Prkd2
hclust (*, "complete")

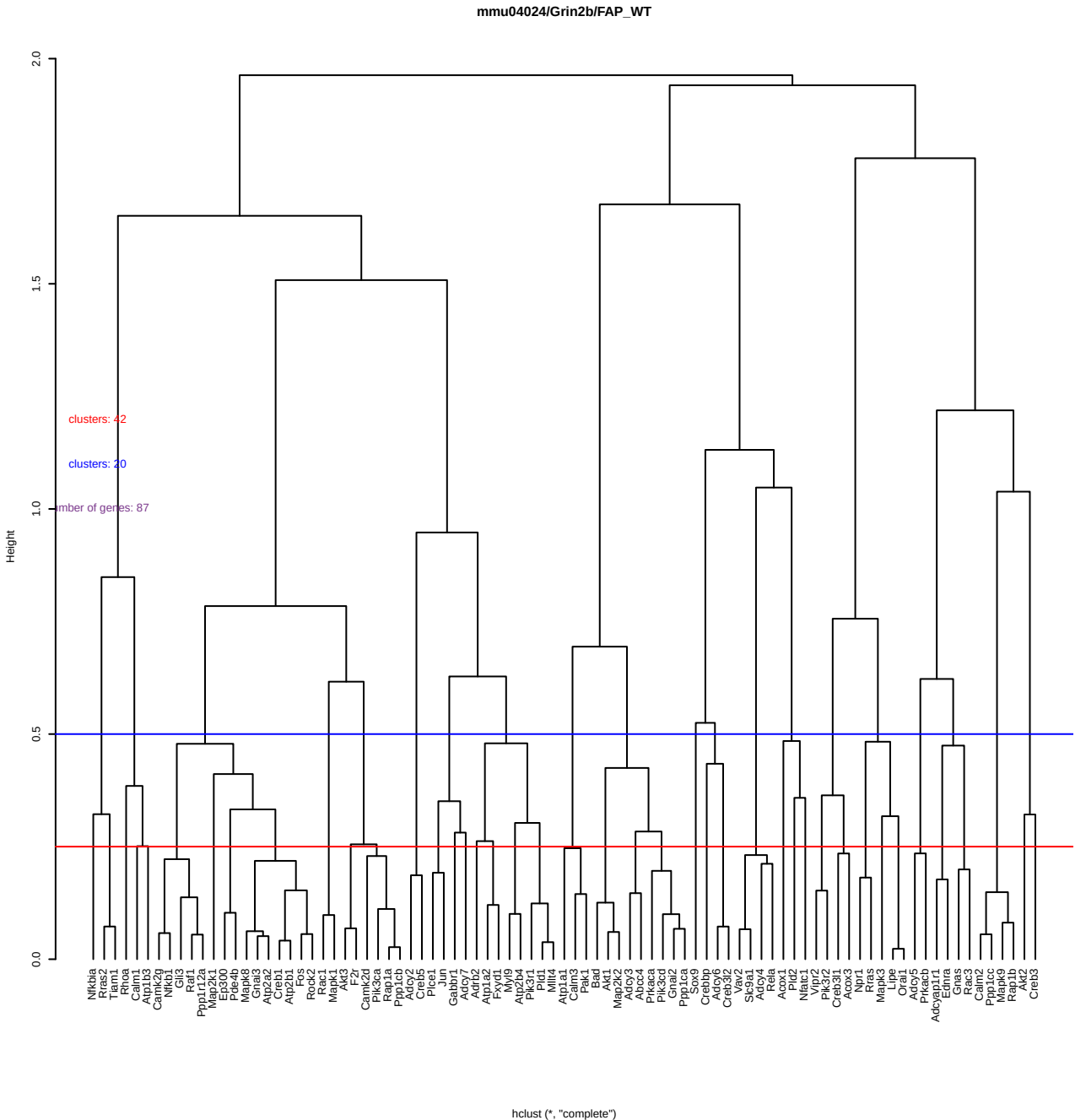


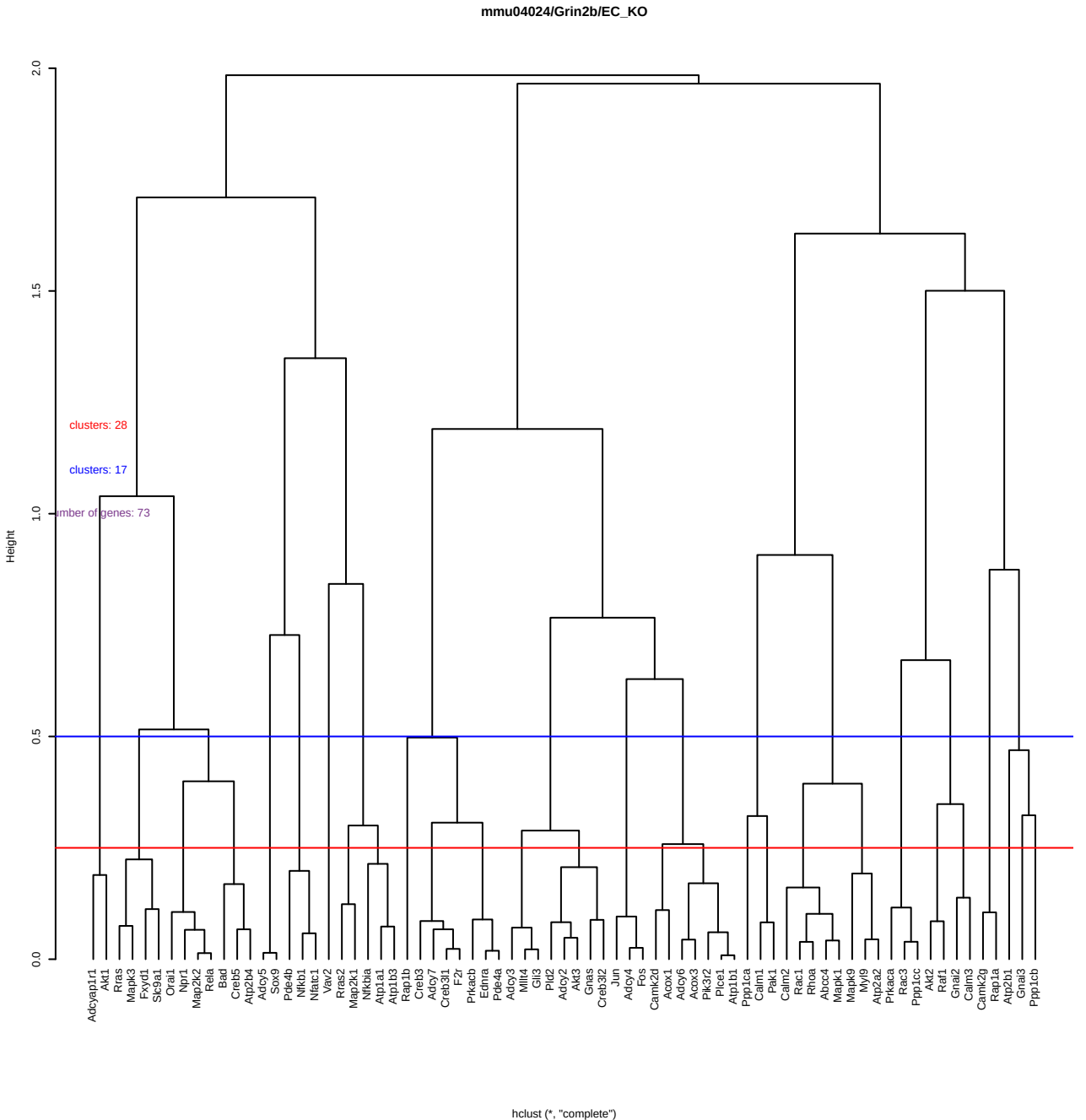

hclust (*, "complete")

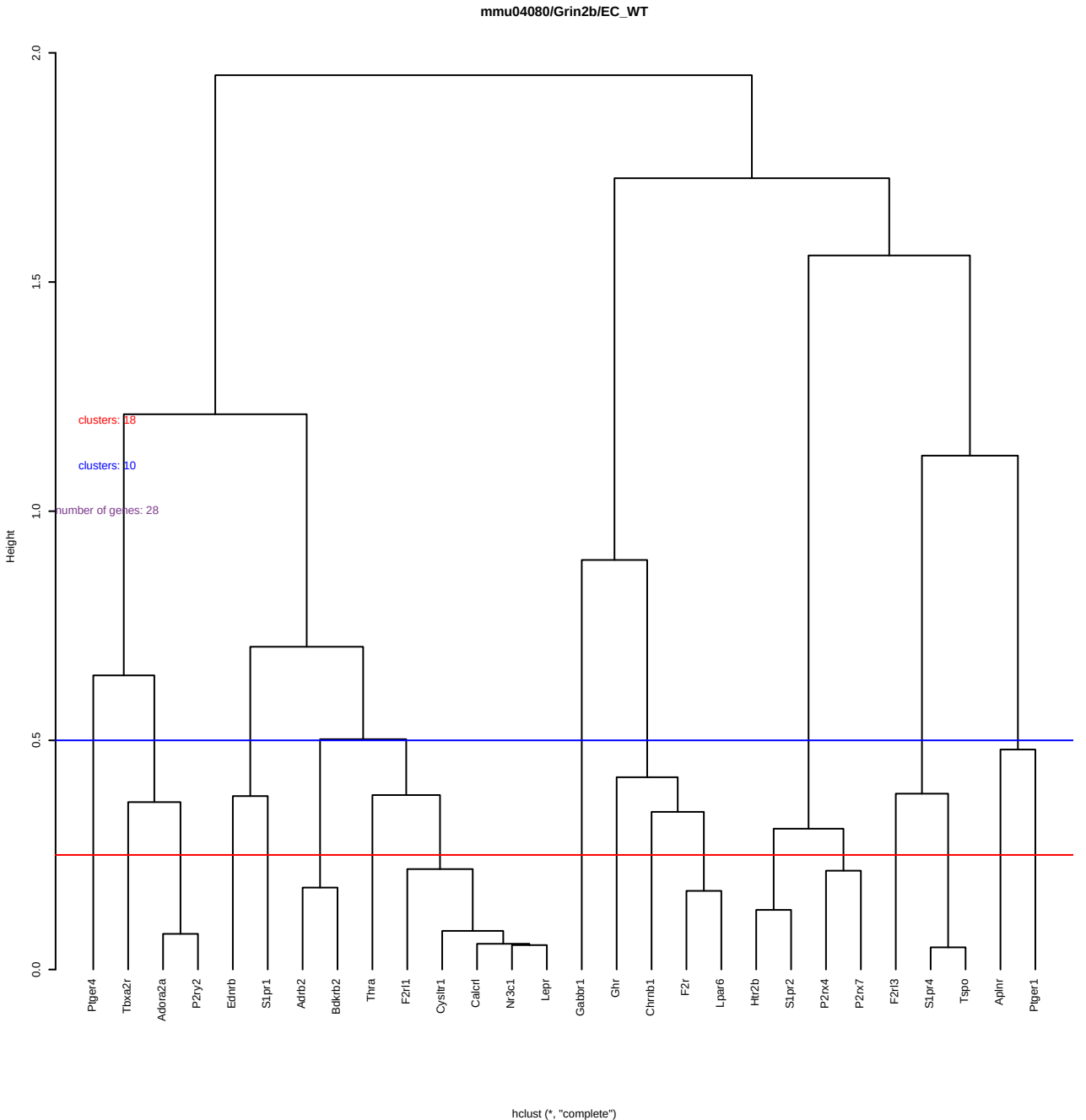

mmu04015/Grin2b/EC_KO
Height
2.0
1.5
1.0
0.5
0.0
clusters: 34
clusters: 19
mber of genes: 95
Akt1
Rapgef1
Tln1
Gnas
Adcy3
Akt2
Egfr
Plcb1
Tek
Pik3r2
Prkd2
Mapk3
Kras
Gnai2
Pfn2
Calm3
Rat1
Mapk12
Adcy4
Fgfr1
Rasgrf1
Pdgfrb
Lpar1
Plcg1
Kit
Akt3
Gnao1
Itgb3
Pard3
Mll4
Adcy6
Vegfb
Pik3ca
F2r
Adcy7
Rap1b
Kras
Gnaq
Ehmt1
Nras
Rac3
Mapk14
Crkl
Ctnnb1
Adcy2
Pik3cg
Mras
Ctnnd1
Igf1r
Sipa1l1
Pardbg
Gnb2
Prkcd
Tln2
Crk
Farp2
Actb
Rhoa
Rac1
Cdc42
Itgb1
Mapk1
Pdgfa
Acrg1
Yes1
Pik3r1
Pfn1
Calm2
Calm1
Vegfc
Ralia
Prkcd3
Id1
Pdgfra
Ralb
Adora2b
Rap1a
Egfr
Sipa1l2
Ralgds
Map2k2
Bcar1
Pardc6a
Adcy5
Sipa1l3
Fgf18
Slpa1
Thbs1
Pgf
Apbb1p
Crk
Mapk3
Vegfa
Map2k1
hclust (*, "complete")

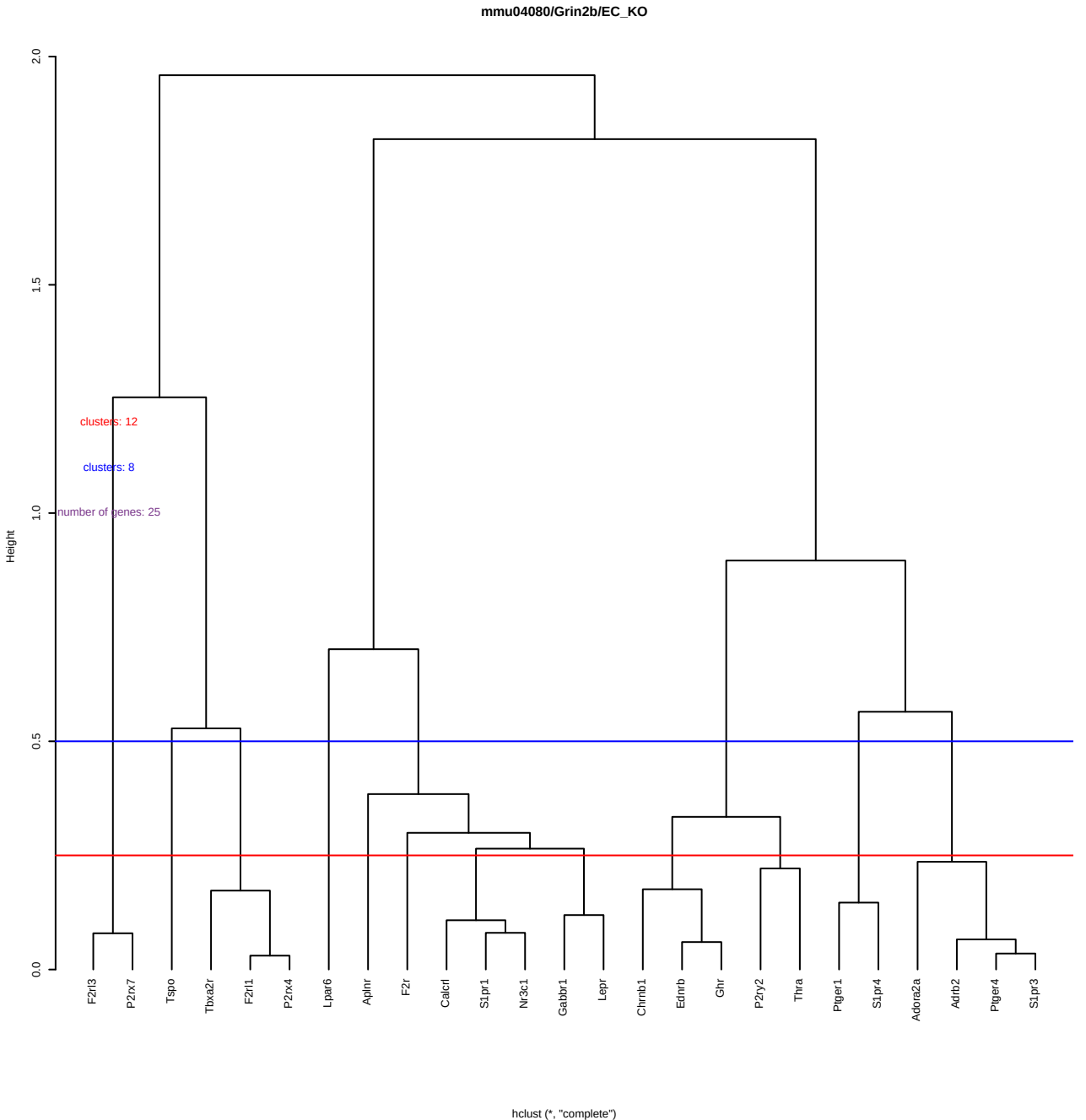

mmu04024/Grin2b/EC_WT
Height
2.0
1.5
1.0
0.5
0.0
clusters: 35
clusters: 21
mber of genes: 84
Cngb1
Akt2
Ppp1ca
Pik3r2
Rapgef4
Acox3
Rapgef3
Rras
Raf1
Akt1
Slc9a1
Adcy4
Pld2
Adora2a
Gnai2
Mapk3
Rela
Lipe
Creb3l4
Fxyd1
Calm3
Prkaca
Vrap1
Vrap2
Map2k2
Bad
Pik3ca
Vav3
Creb3
Gnas
Rac1
Ppp1cb
Pld1
Akt3
Rock1
Rock2
Creb1
Atp2b1
Gnai3
Pde4b
Rap1a
Pik3r3
Myl9
Atp1b2
Map2k1
Atp1a1
Ppp1r12a
Atp2a2
Adcy6
Nfkb1
Acox1
Atp1b3
Rap1b
Ppp1cc
Gabbr1
Camk2d
Creb3l1
Mapk9
Rhoa
F2r
Calm2
Mapk8
Calm1
Rras2
Pik3cb
Mapk1
Fos
Nfkbia
Arap3
Jun
Abcc4
Mll4
Crebbp
Prkacb
Pik3r1
Braf
Nfatc1
Creb3l2
Atp2b4
Ep300
Ptch1
Adrb2
Npr1
Camk2g
hclust (*, "complete")

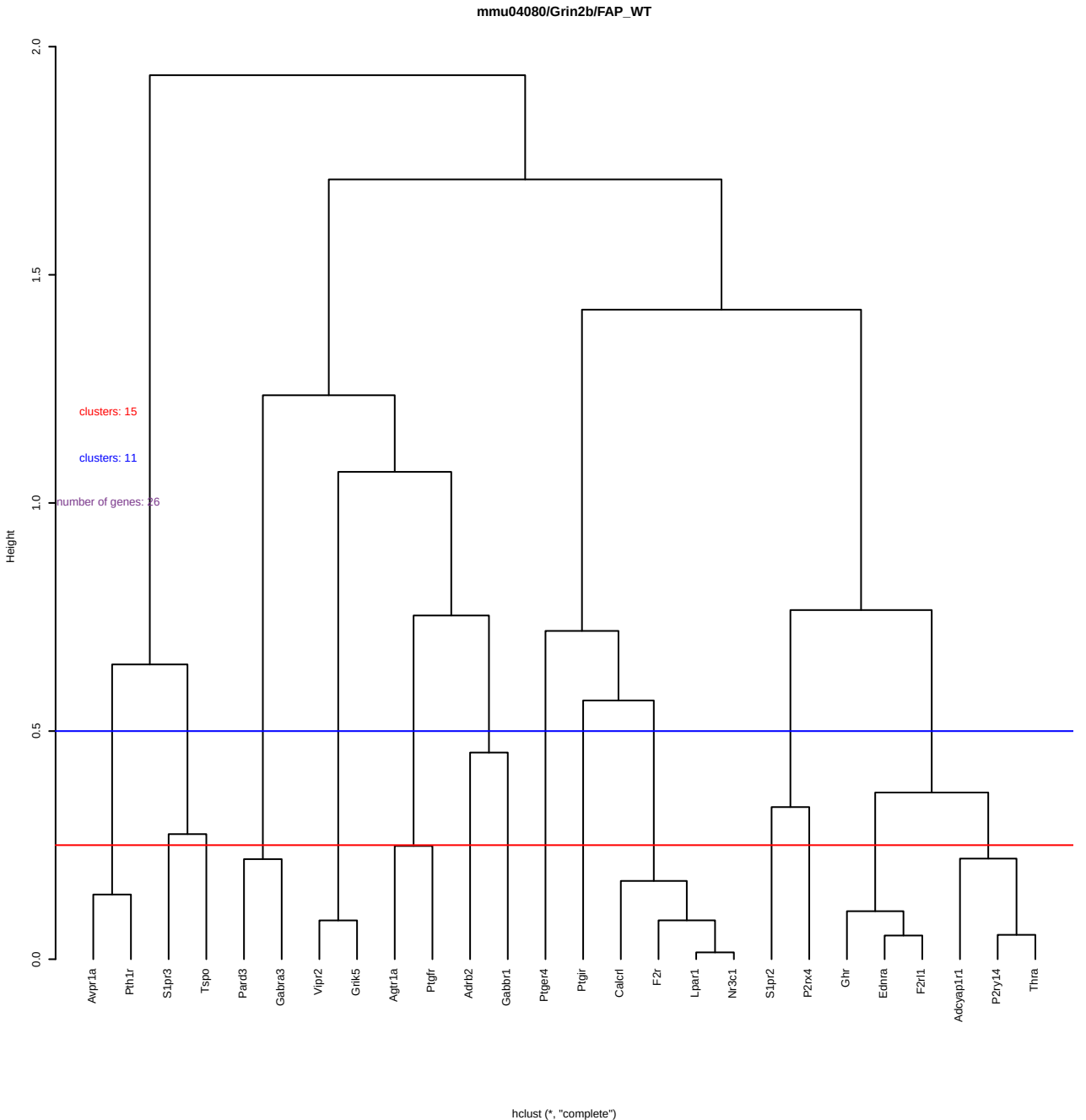

mmu04024/Grin2b/EC_KO
Height
2.0
1.5
1.0
0.5
0.0
clusters: 26
clusters: 14
mber of genes: 79
Nfkb1
F2r
Camk2d
Pld1
Pik3r3
Mapk8
Rap1b
Pik3r1
Map2k1
Gnai3
Ppp1cb
Creb1
Rock2
Atp2b1
Mapk9
Atp1b3
Rap1a
Vav3
Calm2
Mapk1
Calm1
Prkacb
Ppp1cc
Ep300
Pld2
Gabbr1
Atp2b4
Raf1
Abcc4
Arap3
Creb3l2
Adcy6
Mll4
Fos
Pde4b
Rock1
Pik3cb
Ppp1r12a
Ppp1ca
Camk2g
Adcy4
Acox1
Akt3
Gnas
Atp2a2
Atp1a1
Gnai2
Rac1
Rhoa
Rras2
Nfkbia
Adrb2
Rela
Calm3
Lipe
Rapgef3
Akt1
Slc9a1
Npr1
Jun
Pik3ca
Pde4a
Rapgef4
Acox3
Pik3r2
Prkaca
Map2k2
Orai1
Akt2
Creb3l1
Bad
Fxyd1
Creb3
Rras
Mapk3
Nfatc1
Adora2a
Myl9
Atp1b2
hclust (*, "complete")

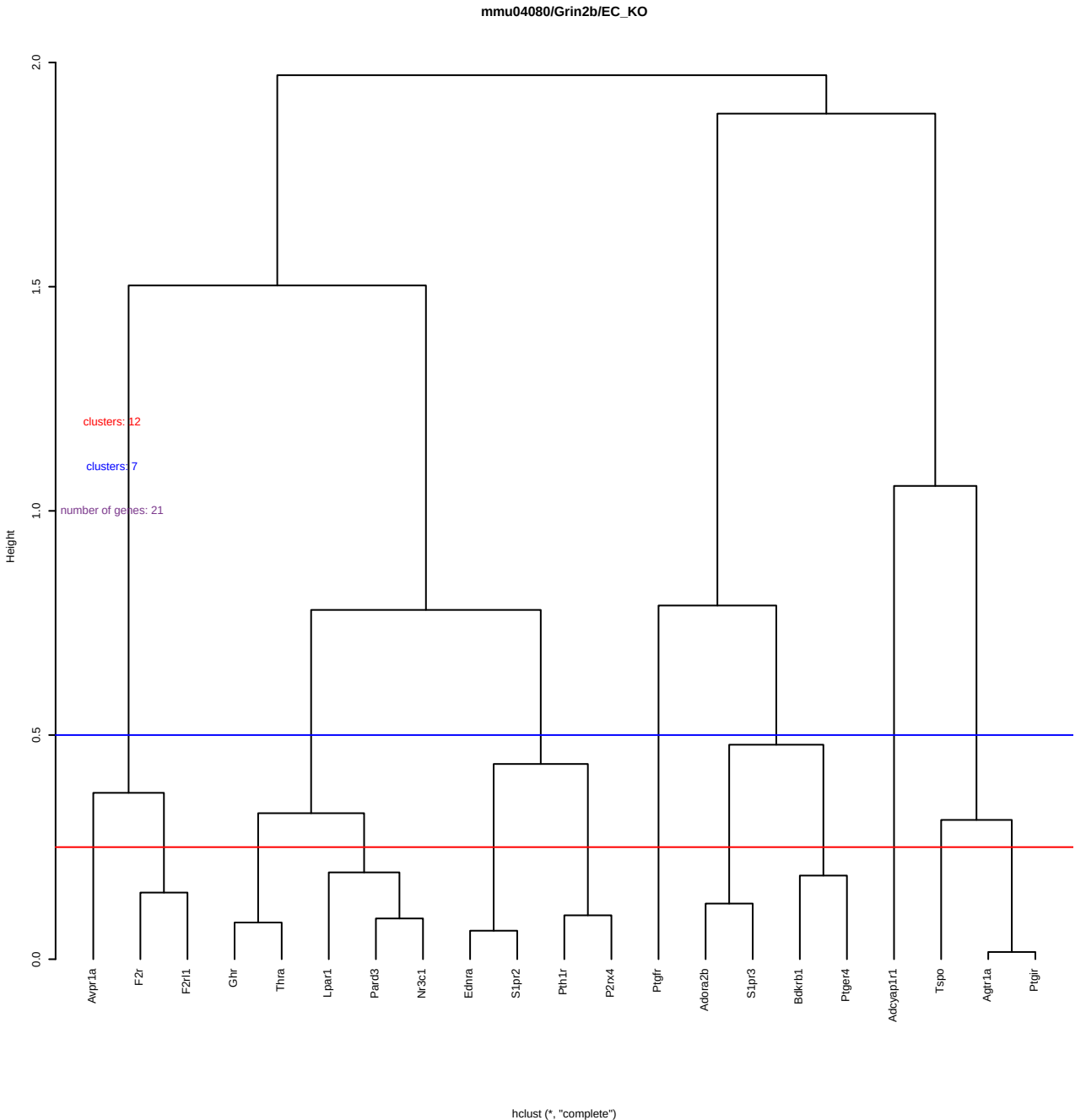

mmu04024/Grin2b/FAP_WT
Height
2.0
1.5
1.0
0.5
0.0
clusters: 42
clusters: 20
mber of genes: 87
Nfkbia
Rras2
Tiam1
Rhoa
Calm1
Atp1b3
Camk2g
Nfkb1
Gli3
Raf1
Ppp1r12a
Map2k1
Fos
Epac2
Mapk8
Gnai3
Atp2a2
Creb1
Atp2b1
Fos
Rock2
Rac1
Mapk1
Akt3
F2r
Camk2d
Rhoa
Rap1a
Ppp1cb
Adcy2
Creb5
Plce1
Jun
Gabbr1
Adcy7
Adrb2
Atp1a2
Fxyd1
Myl9
Atp2b4
Pik3r1
Pld1
Mll4
Atp1a1
Calm3
Pak1
Bad
Akt1
Map2k2
Adcy3
Abcc4
Prkaca
Pik3cd
Gnai2
Ppp1ca
Sos9
Crebbp
Adcy6
Creb3l2
Vav2
Slc9a1
Adcy4
Rela
Acox1
Pld2
Ntatc1
Vipr2
Pik3r2
Creb3l1
Acox3
Npr1
Rras
Mapk3
Lipe
Orai1
Adcy5
Prkacb
Adcyap1r1
Ednra
Gnas
Rac3
Camk2
Ppp1cc
Mapk9
Rap1b
Akt2
Creb3
hclust (*, "complete")

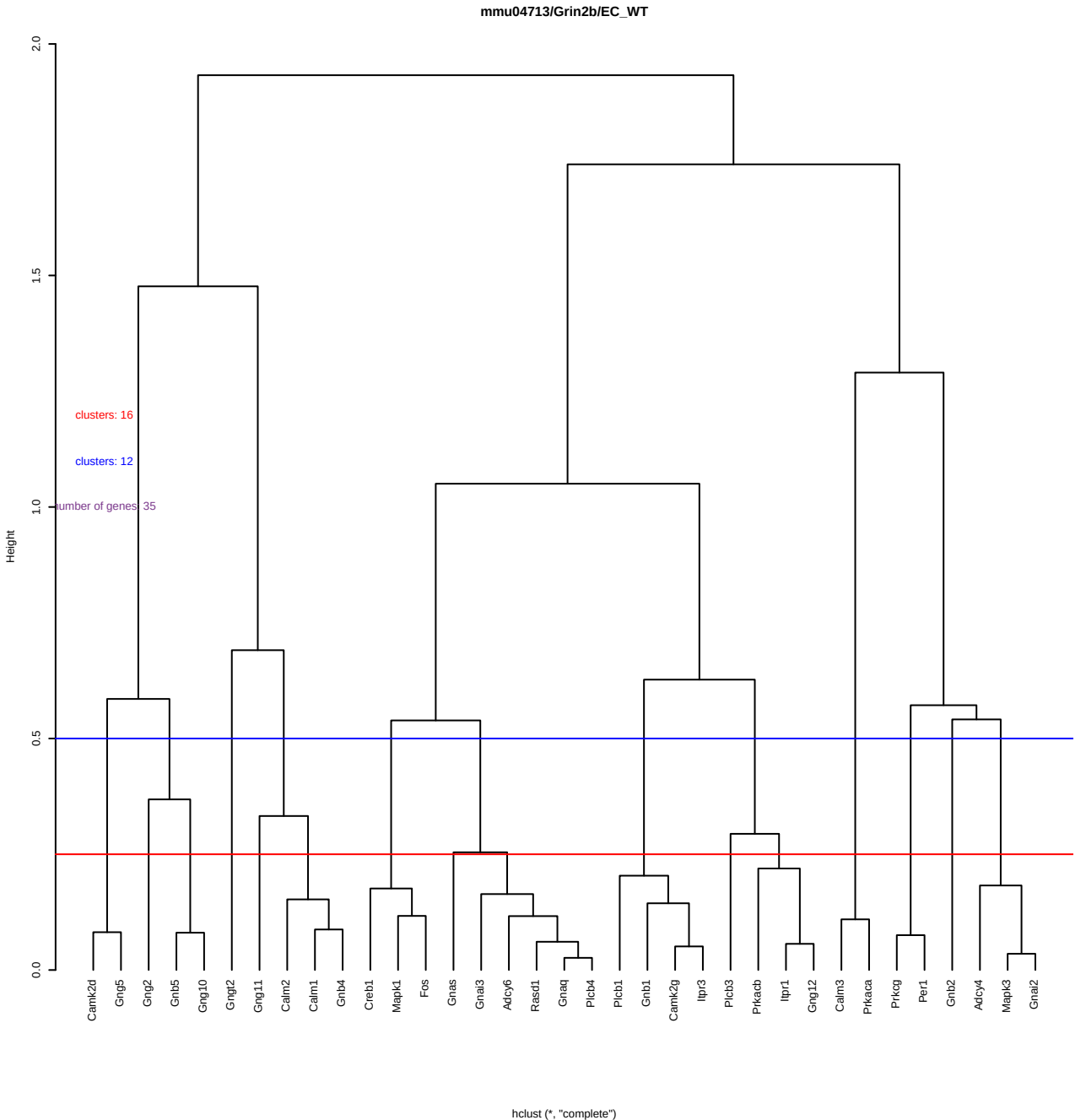

mmu04024/Grin2b/EC_KO
Height
2.0
1.5
1.0
0.5
0.0
clusters: 28
clusters: 17
mber of genes: 73
Adcyap1r1
Akt1
Rras
Mapk3
Fxyd1
Slc9a1
Orai1
Npr1
Map2k2
Rela
Bad
Creb5
Atp2b4
Adcy5
Sox9
Pde4b
Nfkb1
Nfatc1
Vav2
Rras2
Map2k1
Nfkbia
Atp1a1
Atp1b3
Rap1b
Creb3
Adcy7
Creb3l1
F2r
Prkacb
Ednra
Pde4a
Adcy3
Mllt4
Gli3
Pld2
Adcy2
Akt3
Gnas
Creb3l2
Jun
Adcy4
Fos
Camk2d
Acox1
Adcy6
Acox3
Pik3r2
Plce1
Atp1b1
Ppp1ca
Calm1
Pak1
Calm2
Rac1
Rhoa
Abcc4
Mapk1
Mapk9
Myl9
Atp2a2
Prkaca
Rac3
Ppp1cc
Akt2
Raf1
Gnal2
Calm3
Camk2g
Rap1a
Atp2b1
Gnal3
Ppp1cb
hclust (*, "complete")

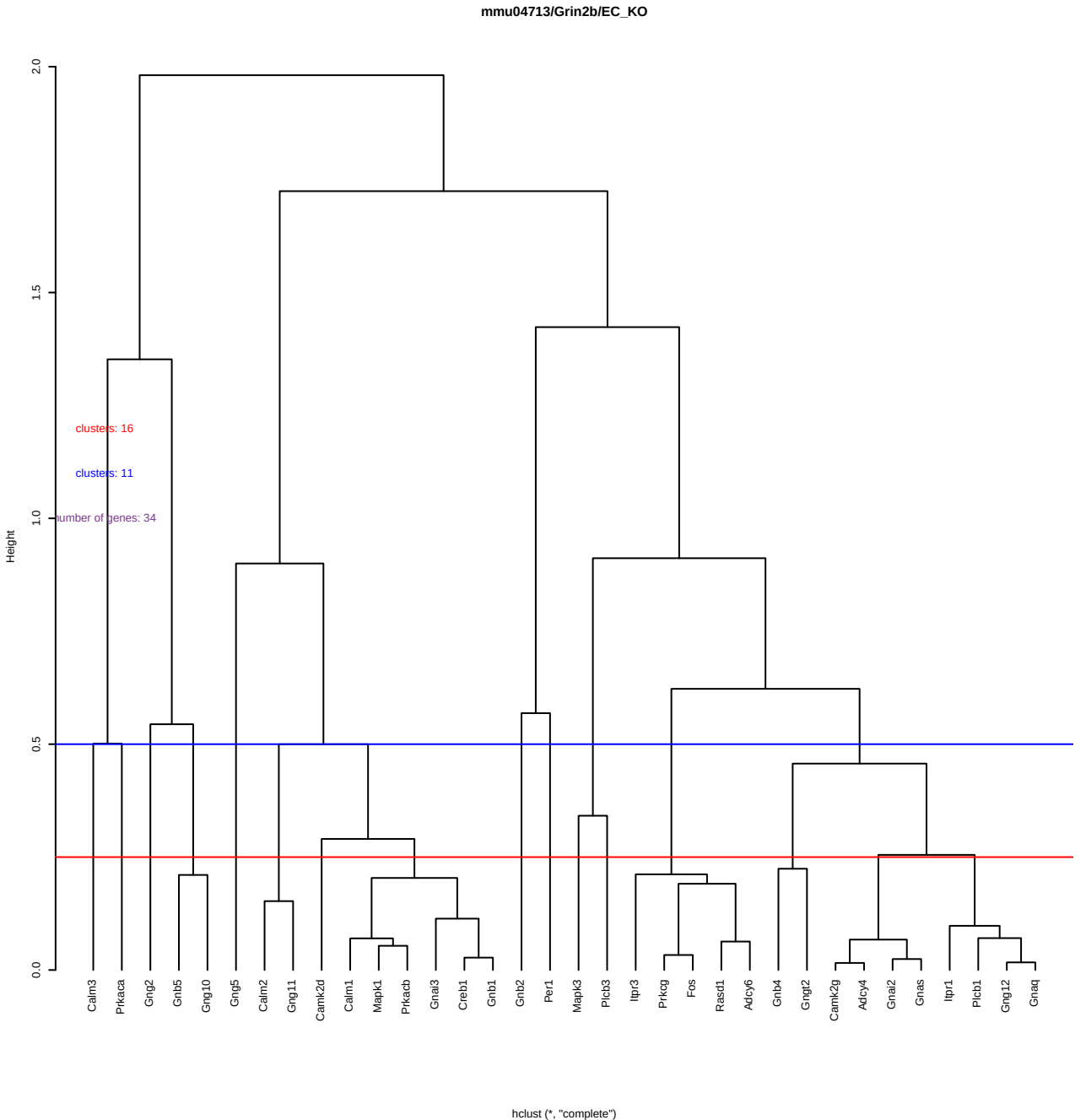

mmu04080/Grin2b/EC_WT
Height
2.0
1.5
1.0
0.5
0.0
clusters: 18
clusters: 10
number of genes: 28
Ptger4
Tbxa2r
Adora2a
P2ry2
Ednrb
S1pr1
Adrb2
Bdkrb2
Thra
F2rl1
Cysltr1
Calcrl
Nr3c1
Lepr
Gabbr1
Ghr
Chrnb1
F2r
Lpar6
Htr2b
S1pr2
P2rx4
P2rx7
F2rl3
S1pr4
Tspo
Aplnr
Ptger1
hclust (*, "complete")

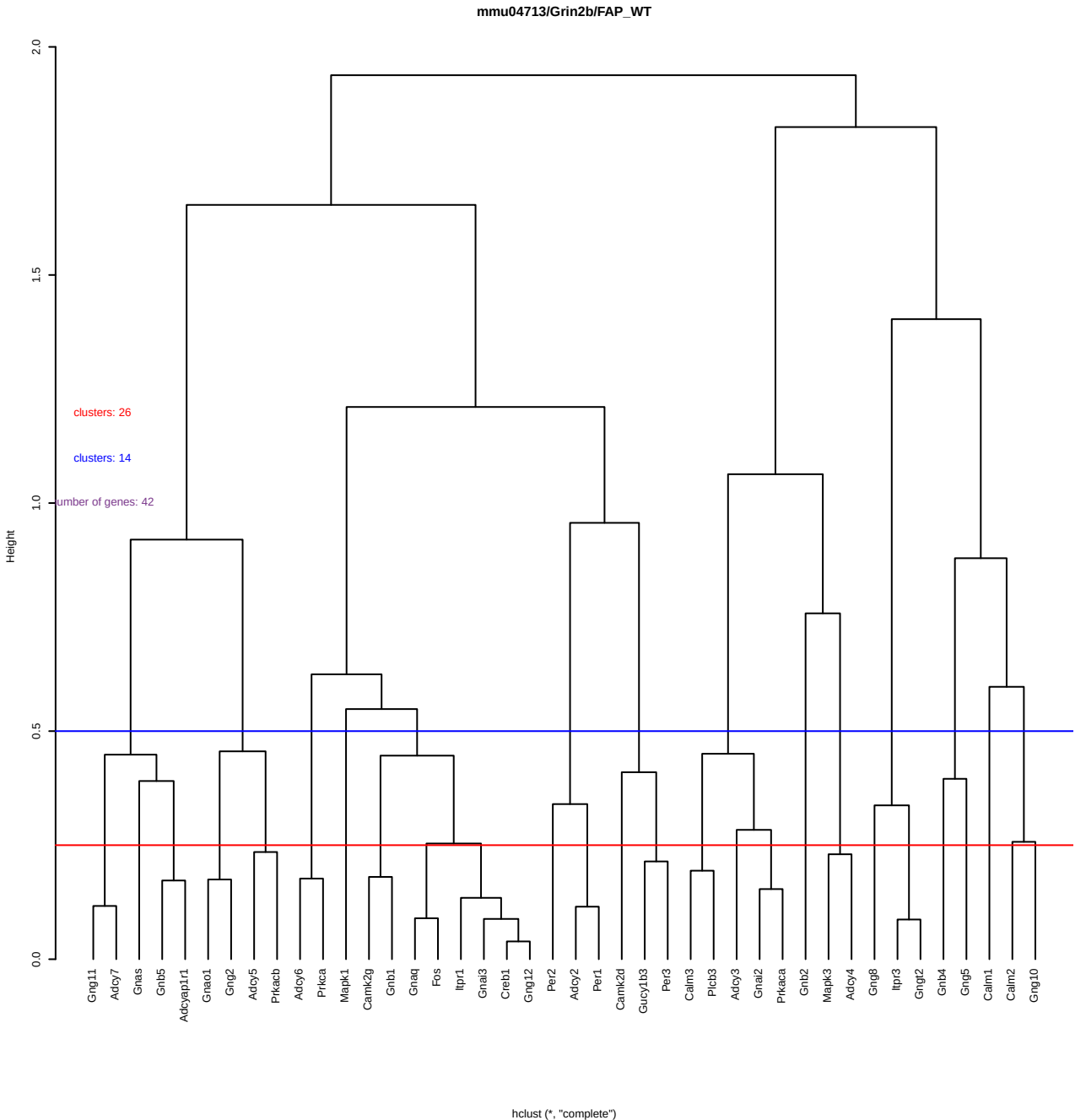

mmu04080/Grin2b/EC_KO
Height
2.0
1.5
1.0
0.5
0.0
clusters: 12
clusters: 8
number of genes: 25
F2rl3
P2rx7
Tspo
Tbxa2r
F2rl1
P2rx4
Lpar6
Aplnr
F2r
Calcrl
S1pr1
Nr3c1
Gabbr1
Lepr
Chrnb1
Ednrb
Ghr
P2ry2
Thra
Ptger1
S1pr4
Adora2a
Adrb2
Ptger4
S1pr3
hclust (*, "complete")

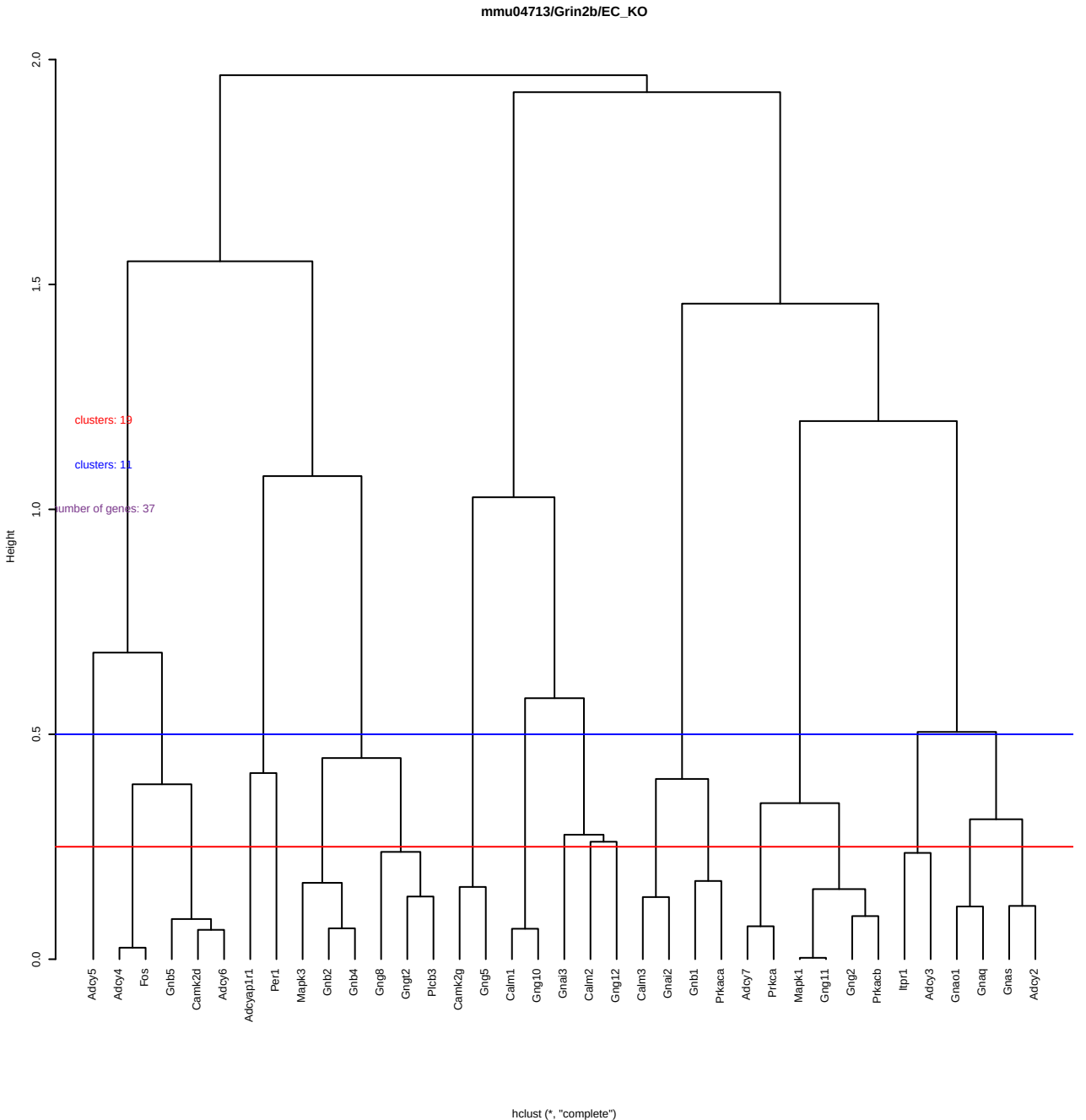

mmu04080/Grin2b/FAP_WT
Height
2.0
1.5
1.0
0.5
0.0
clusters: 15
clusters: 11
number of genes: 26
Avpr1a
Pth1r
S1pr3
Tspo
Pard3
Gabra3
Vipr2
Grik5
Agtr1a
Ptgfr
Adrb2
Gabbr1
Ptger4
Ptgir
Calcrl
F2r
Lpar1
Nr3c1
S1pr2
P2rx4
Ghr
Ednra
F2rl1
Adcyap1r1
P2ry14
Thra
hclust (*, "complete")

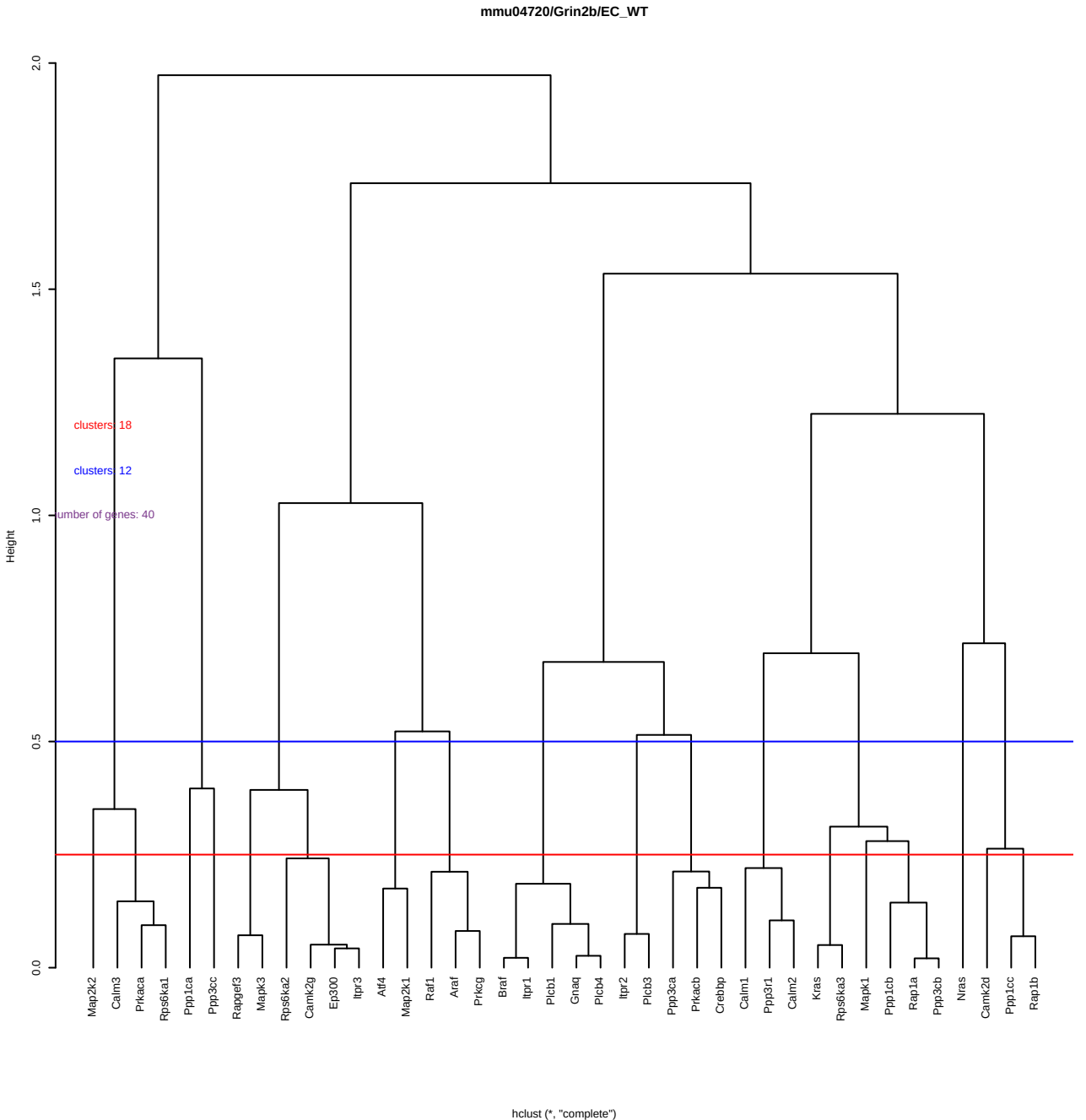

mmu04080/Grin2b/EC_KO
Height
2.0
1.5
1.0
0.5
0.0
clusters: 12
clusters: 7
number of genes: 21
Avpr1a
F2r
F2rl1
Ghr
Thra
Lpar1
Pard3
Nr3c1
Ednra
S1pr2
Pth1r
P2rx4
Ptgfr
Adora2b
S1pr3
Bdkrb1
Ptger4
Adcyap1r1
Tspo
Agtr1a
Ptgir
hclust (*, "complete")


mmu04713/Grin2b/EC_WT
Height
2.0
1.5
1.0
0.5
0.0
clusters: 16
clusters: 12
number of genes: 35
Camk2d
Gng5
Gng2
Gnb5
Gng10
Gngt2
Gng11
Calm2
Calm1
Gnb4
Creb1
Mapk1
Fos
Gnas
Gnai3
Adcy6
Rasd1
Gnaq
Plcb4
Plcb1
Gnb1
Camk2g
Itpr3
Plcb3
Prkacb
Itpr1
Gng12
Calm3
Prkaca
Prkcg
Per1
Gnb2
Adcy4
Mapk3
Gnai2
hclust (*, "complete")


mmu04713/Grin2b/EC_KO
Height
2.0
1.5
1.0
0.5
0.0
clusters: 16
clusters: 11
number of genes: 34
Calm3
Prkaca
Gng2
Gnb5
Gng10
Gng5
Calm2
Gng11
Camk2d
Calm1
Mapk1
Prkacb
Gnai3
Creb1
Gnb1
Gnb2
Per1
Mapk3
Plcb3
Itpr3
Prkcg
Fos
Rasd1
Adcy6
Gnb4
Gngt2
Camk2g
Adcy4
Gnai2
Gnas
Itpr1
Plcb1
Gng12
Gnaq
hclust (*, "complete")


mmu04713/Grin2b/FAP_WT
Height
2.0
1.5
1.0
0.5
0.0
clusters: 26
clusters: 14
umber of genes: 42
Gng11
Adcy7
Gnas
Gnb5
Adcyap1r1
Gnao1
Gng2
Adcy5
Prkacb
Adcy6
Prkca
Mapk1
Camk2g
Gnb1
Gnaq
Fos
Itpr1
Gnai3
Creb1
Gng12
Per2
Adcy2
Per1
Camk2d
Gucy1b3
Per3
Calm3
Plcb3
Adcy3
Gnai2
Prkaca
Gnb2
Mapk3
Adcy4
Gng8
Itpr3
Gngt2
Gnb4
Gng5
Calm1
Calm2
Gng10
hclust (*, "complete")


mmu04713/Grin2b/EC_KO
Height
2.0
1.5
1.0
0.5
0.0
clusters: 19
clusters: 11
umber of genes: 37
Adcy5
Adcy4
Fos
Gnb5
Camk2d
Adcy6
Adcyap1r1
Per1
Mapk3
Gnb2
Gnb4
Gng8
Gngt2
Plcb3
Camk2g
Gng5
Calm1
Gng10
Gnai3
Calm2
Gng12
Calm3
Gnai2
Gnb1
Prkaca
Adcy7
Prkca
Mapk1
Gng11
Gng2
Prkacb
Itpr1
Adcy3
Gnao1
Gnaq
Gnas
Adcy2
hclust (*, "complete")


mmu04720/Grin2b/EC_WT
Height
2.0
1.5
1.0
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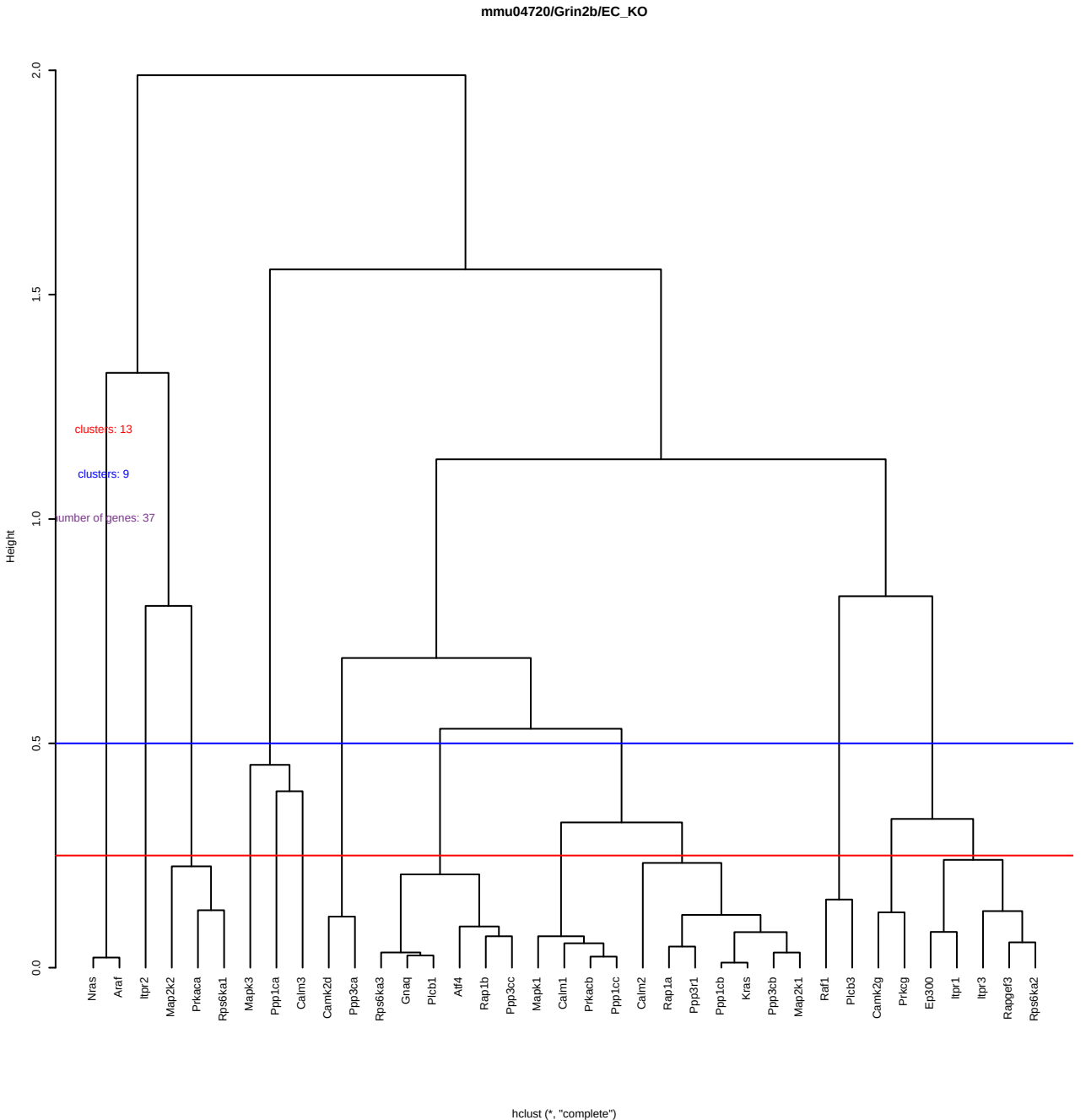
0.0
clusters: 18
clusters: 12
umber of genes: 40
Map2k2
Calm3
Prkaca
Rps6ka1
Ppp1ca
Ppp3cc
Rapgef3
Mapk3
Rps6ka2
Camk2g
Ep300
Itpr3
Atf4
Map2k1
Raf1
Araf
Prkcg
Braf
Itpr1
Plcb1
Gnaq
Plcb4
Itpr2
Plcb3
Ppp3ca
Prkacb
Crebbp
Calm1
Ppp3r1
Calm2
Kras
Rps6ka3
Mapk1
Ppp1cb
Rap1a
Ppp3cb
Nras
Camk2d
Ppp1cc
Rap1b
hclust (*, "complete")


mmu04720/Grin2b/EC_KO
Height
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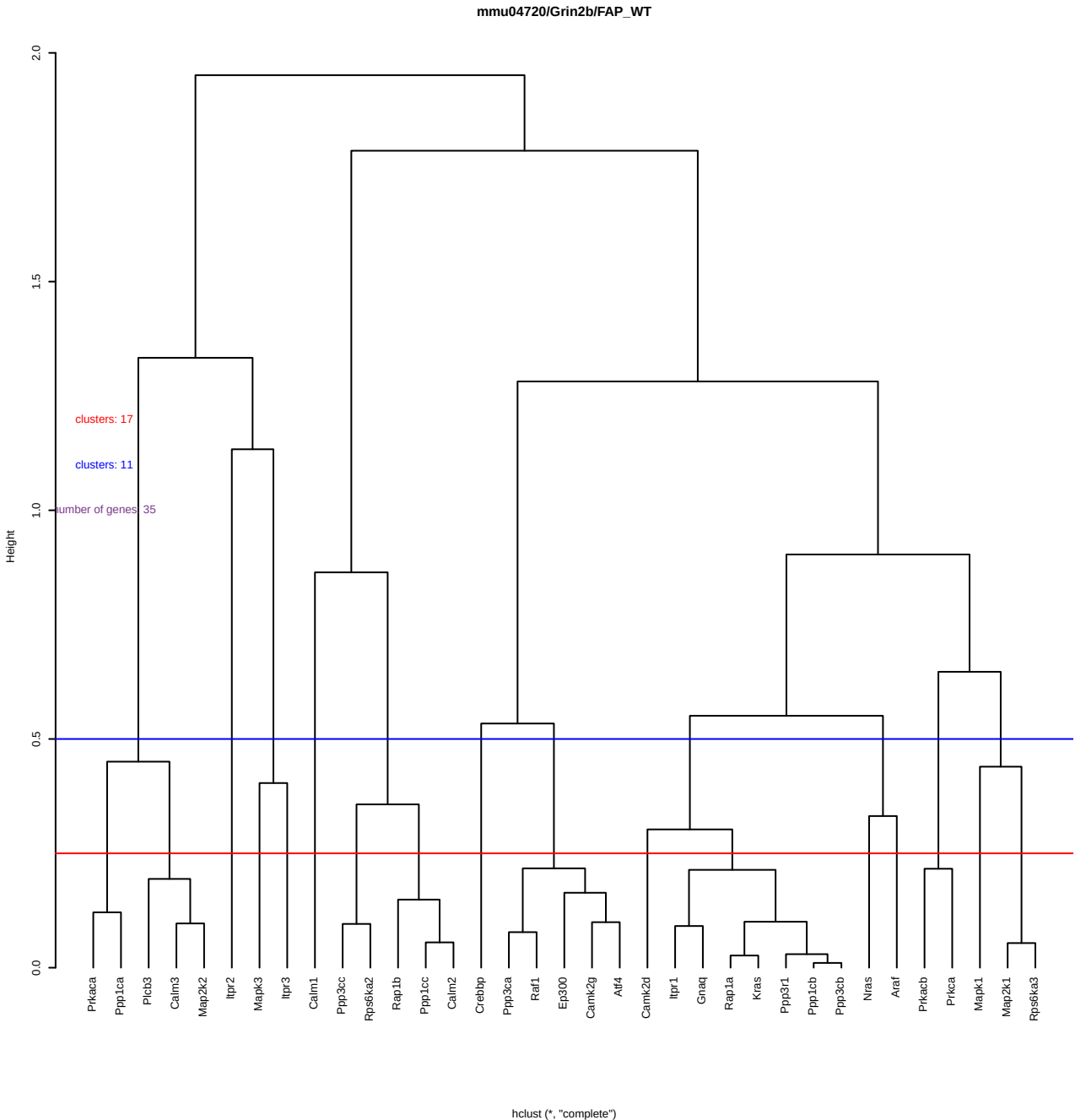
0.0
clusters: 13
clusters: 9
number of genes: 37
Nras
Araf
Itpr2
Map2k2
Prkaca
Rps6ka1
Mapk3
Ppp1ca
Calm3
Camk2d
Ppp3ca
Rps6ka3
Gnaq
Plcb1
Atf4
Rap1b
Ppp3cc
Mapk1
Calm1
Prkacb
Ppp1cc
Calm2
Rap1a
Ppp3r1
Ppp1cb
Kras
Ppp3cb
Map2k1
Raf1
Plcb3
Camk2g
Prkcg
Ep300
Itpr1
Itpr3
Rapgef3
Rps6ka2
hclust (*, "complete")


mmu04720/Grin2b/FAP_WT
Height
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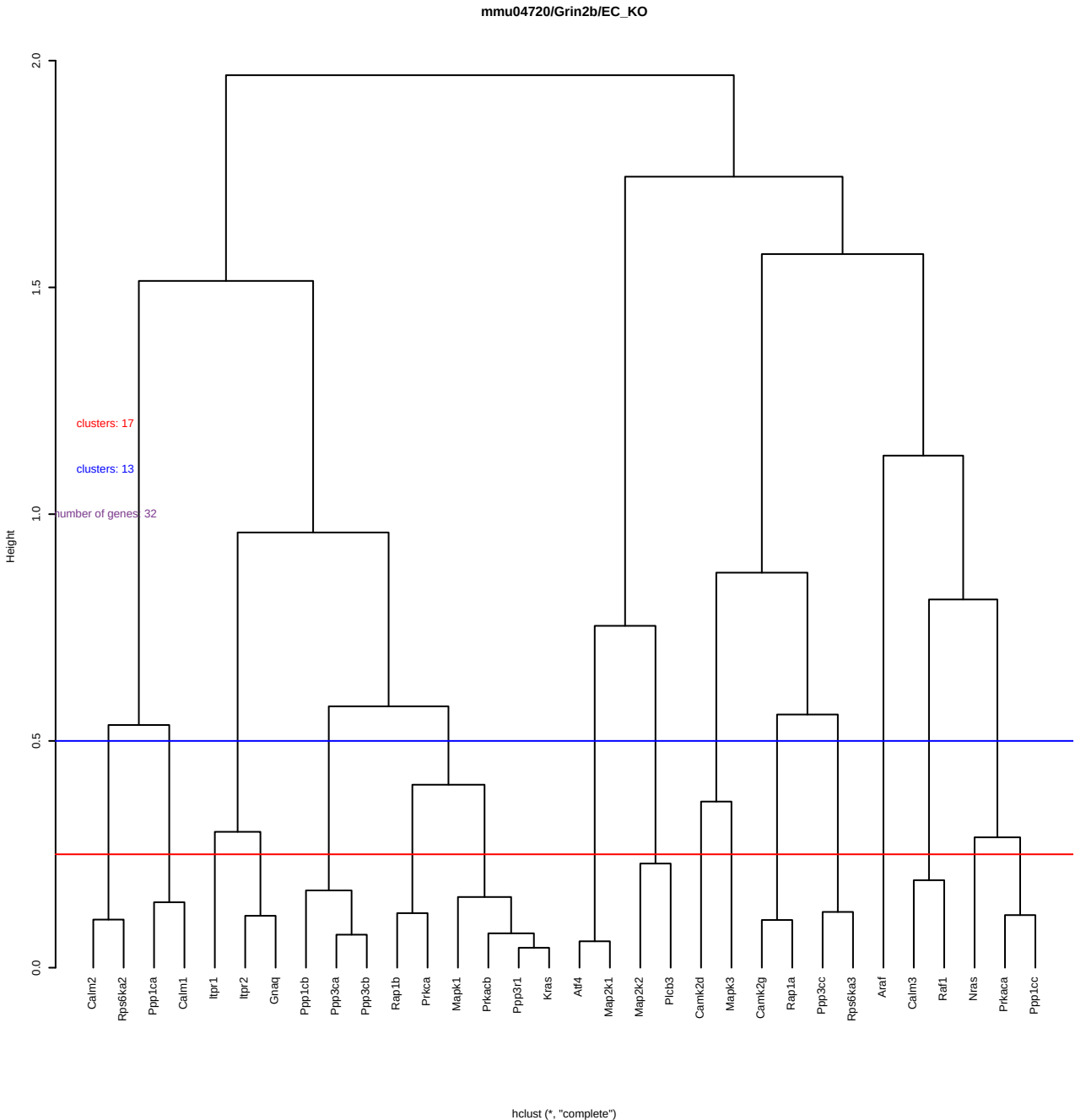
clusters: 17
clusters: 11
umber of genes: 35
Prkaca
Ppp1ca
Plcb3
Calm3
Map2k2
Itpr2
Mapk3
Itpr3
Calm1
Ppp3cc
Rps6ka2
Rap1b
Ppp1cc
Calm2
Crebbp
Ppp3ca
Raf1
Ep300
Camk2g
Atf4
Camk2d
Itpr1
Gnaq
Rap1a
Kras
Ppp3r1
Ppp1cb
Ppp3cb
Nras
Araf
Prkacb
Prkca
Mapk1
Map2k1
Rps6ka3
hclust (*, "complete")


mmu04720/Grin2b/EC_KO
Height
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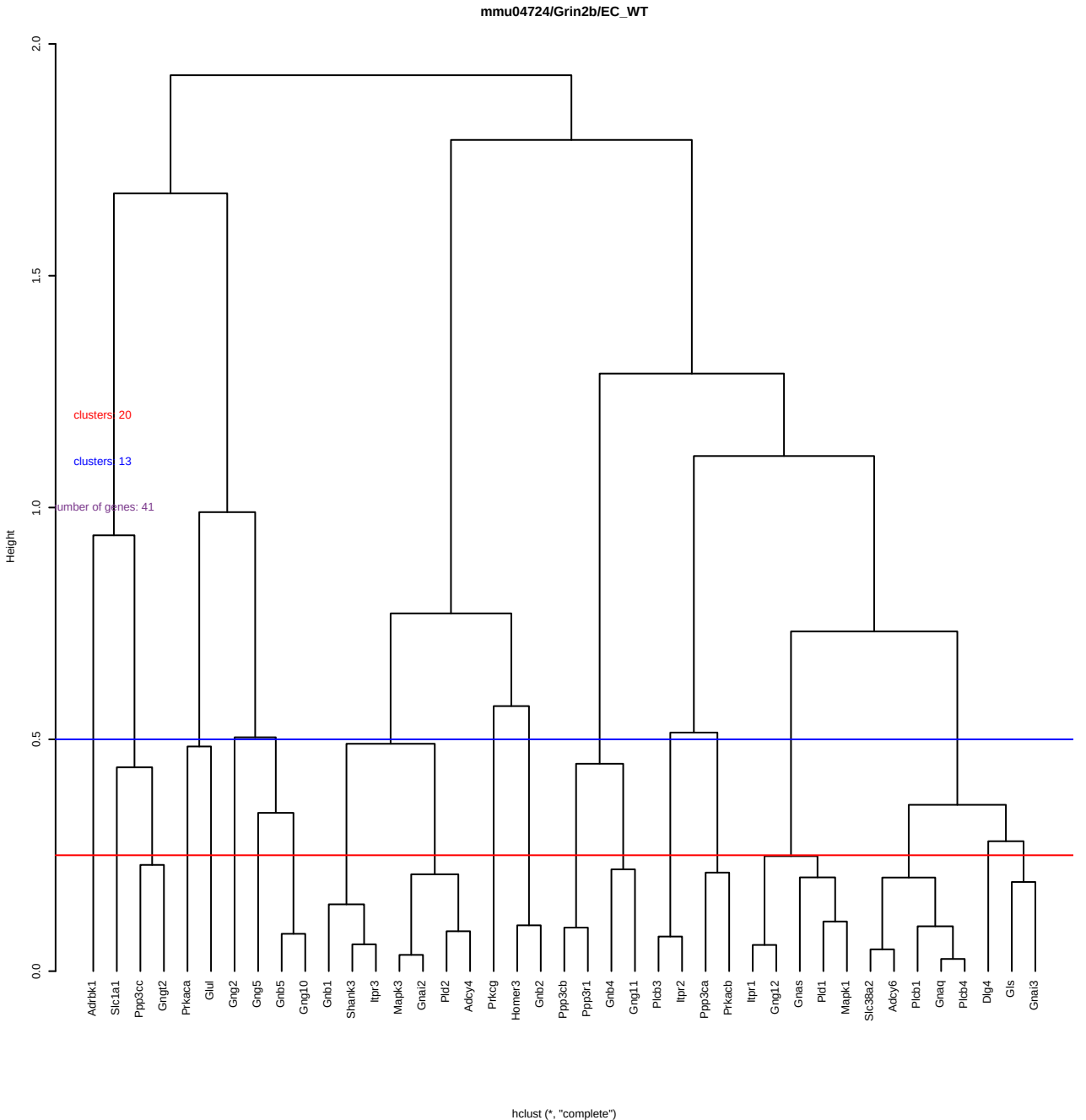
clusters: 17
clusters: 13
number of genes: 32
Calm2
Rps6ka2
Ppp1ca
Calm1
Itpr1
Itpr2
Gnaq
Ppp1cb
Ppp3ca
Ppp3cb
Rap1b
Prkca
Mapk1
Prkacb
Ppp3r1
Kras
Atf4
Map2k1
Map2k2
Plcb3
Camk2d
Mapk3
Camk2g
Rap1a
Ppp3cc
Rps6ka3
Araf
Calm3
Raf1
Nras
Prkaca
Ppp1cc
hclust (*, "complete")


mmu04724/Grin2b/EC_WT
Height
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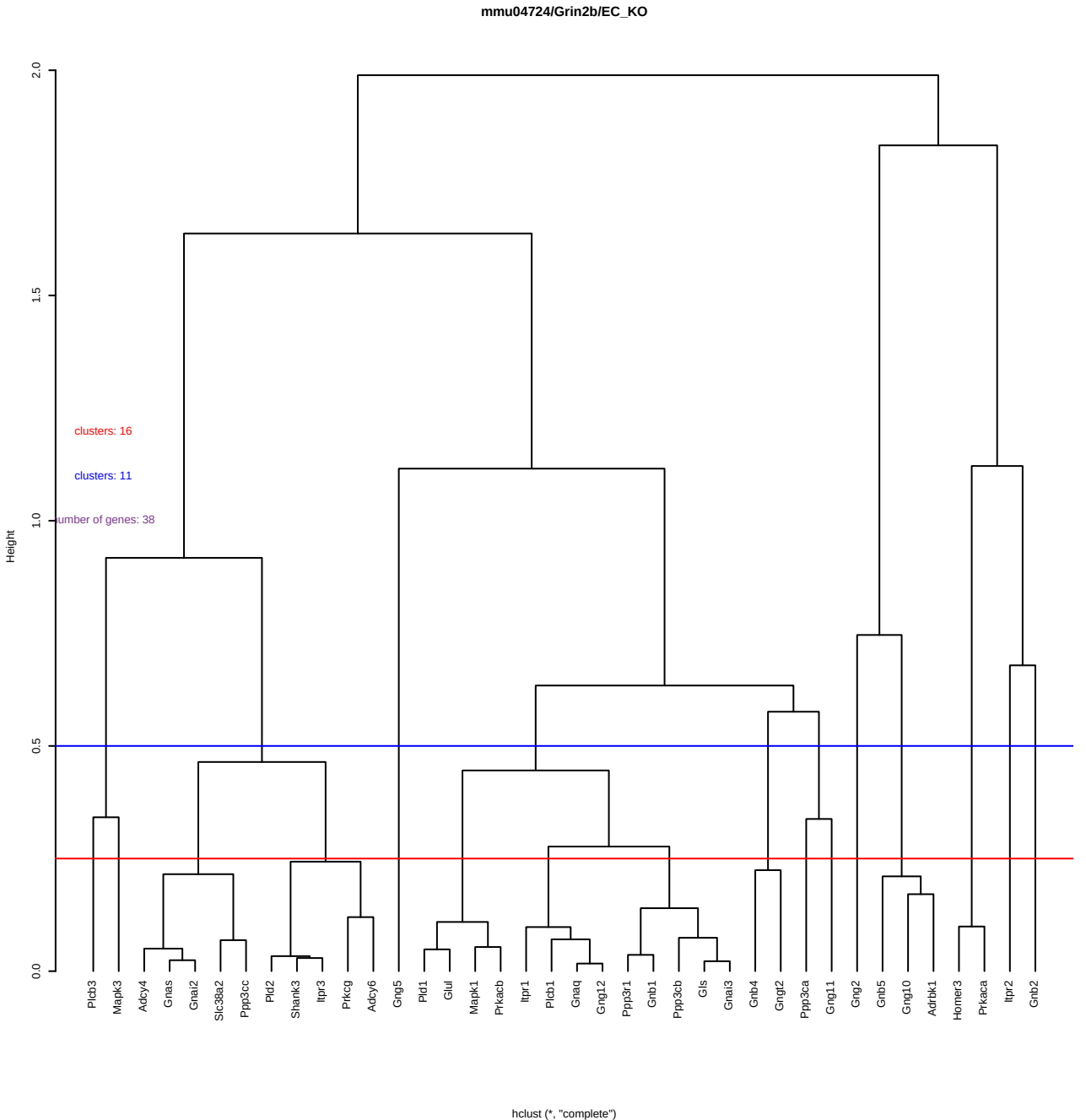
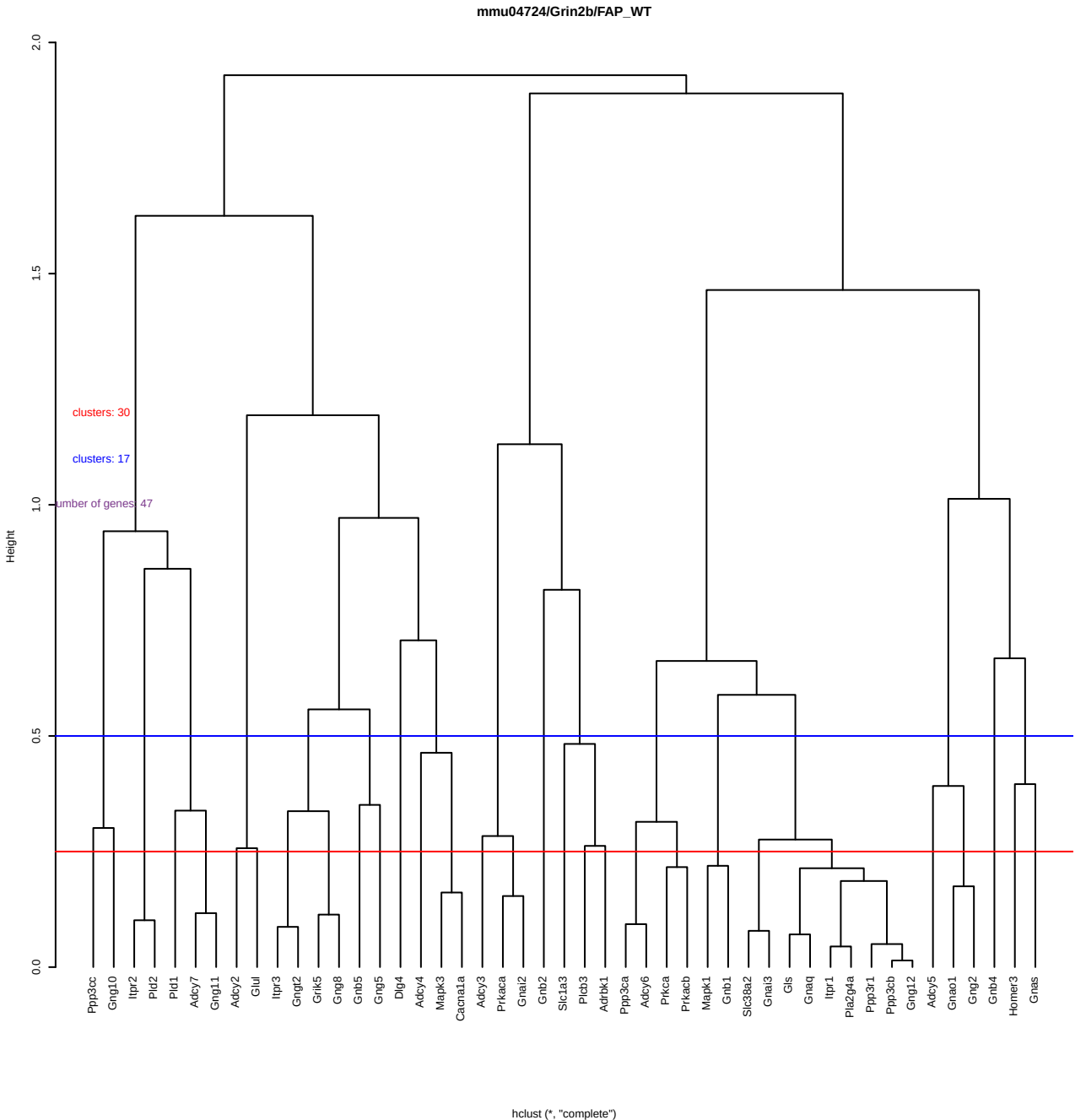
clusters: 20
clusters: 13
umber of genes: 41
Adrbk1
Slc1a1
Ppp3cc
Gngt2
Prkaca
Glul
Gng2
Gng5
Gnb5
Gng10
Gnb1
Shank3
Itpr3
Mapk3
Gnai2
Pld2
Adcy4
Prkcg
Homer3
Gnb2
Ppp3cb
Ppp3r1
Gnb4
Gng11
Plcb3
Itpr2
Ppp3ca
Prkacb
Itpr1
Gng12
Gnas
Pld1
Mapk1
Slc38a2
Adcy6
Plcb1
Gnaq
Plcb4
Dlg4
Gls
Gnai3
hclust (*, "complete")


mmu04724/Grin2b/EC_KO
Height
2.0
1.5
1.0
0.5
0.0
clusters: 16
clusters: 11
umber of genes: 38
Plcb3
Mapk3
Adcy4
Gnas
Gnai2
Slc38a2
Ppp3cc
Pld2
Shank3
Itpr3
Prkcg
Adcy6
Gng5
Pld1
Glul
Mapk1
Prkacb
Itpr1
Plcb1
Gnaq
Gng12
Ppp3r1
Gnb1
Ppp3cb
Gls
Gnai3
Gnb4
Gngt2
Ppp3ca
Gng11
Gng2
Gnb5
Gng10
Adrbk1
Homer3
Prkaca
Itpr2
Gnb2
hclust (*, "complete")


mmu04724/Grin2b/FAP_WT
Height
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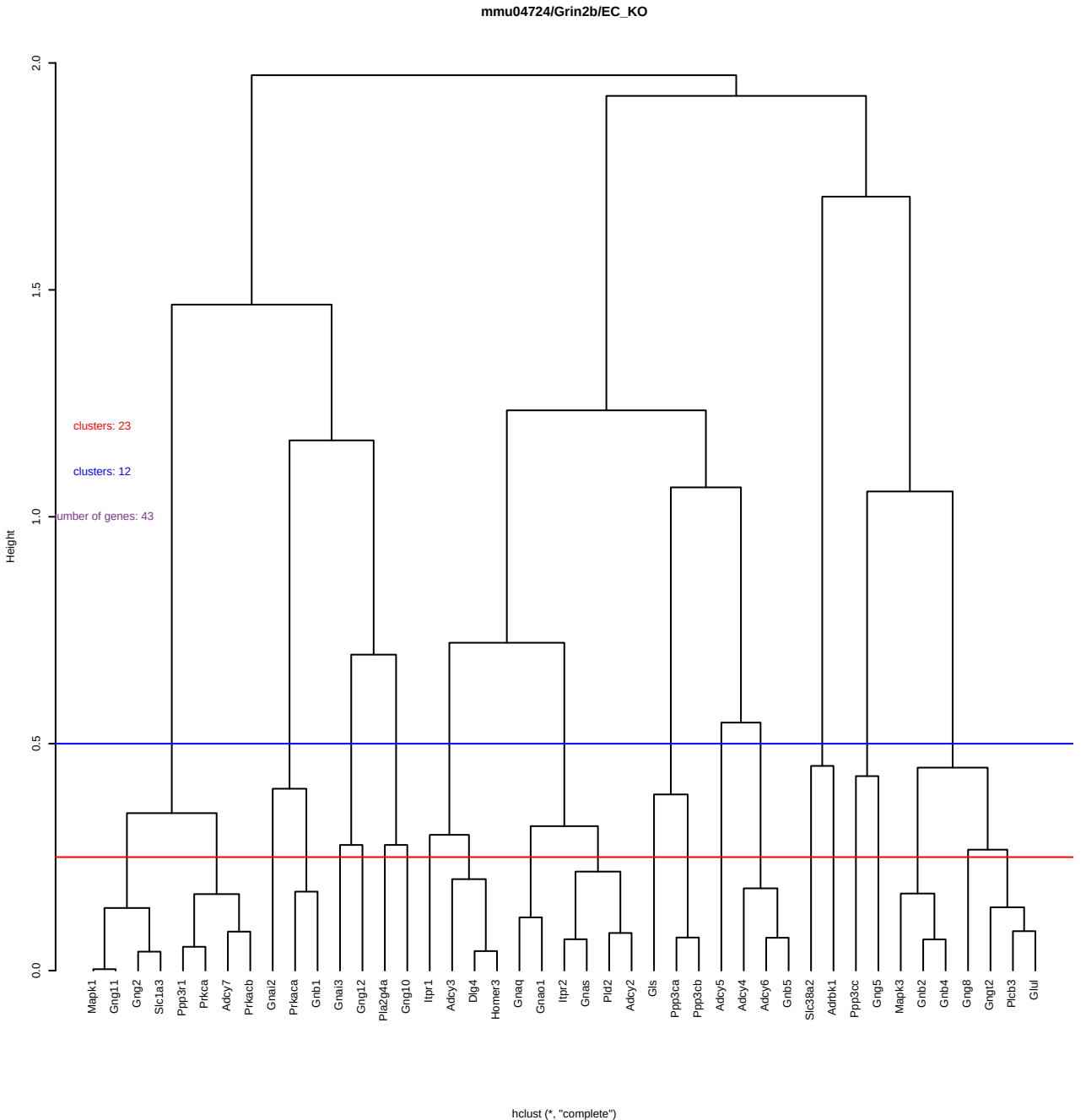
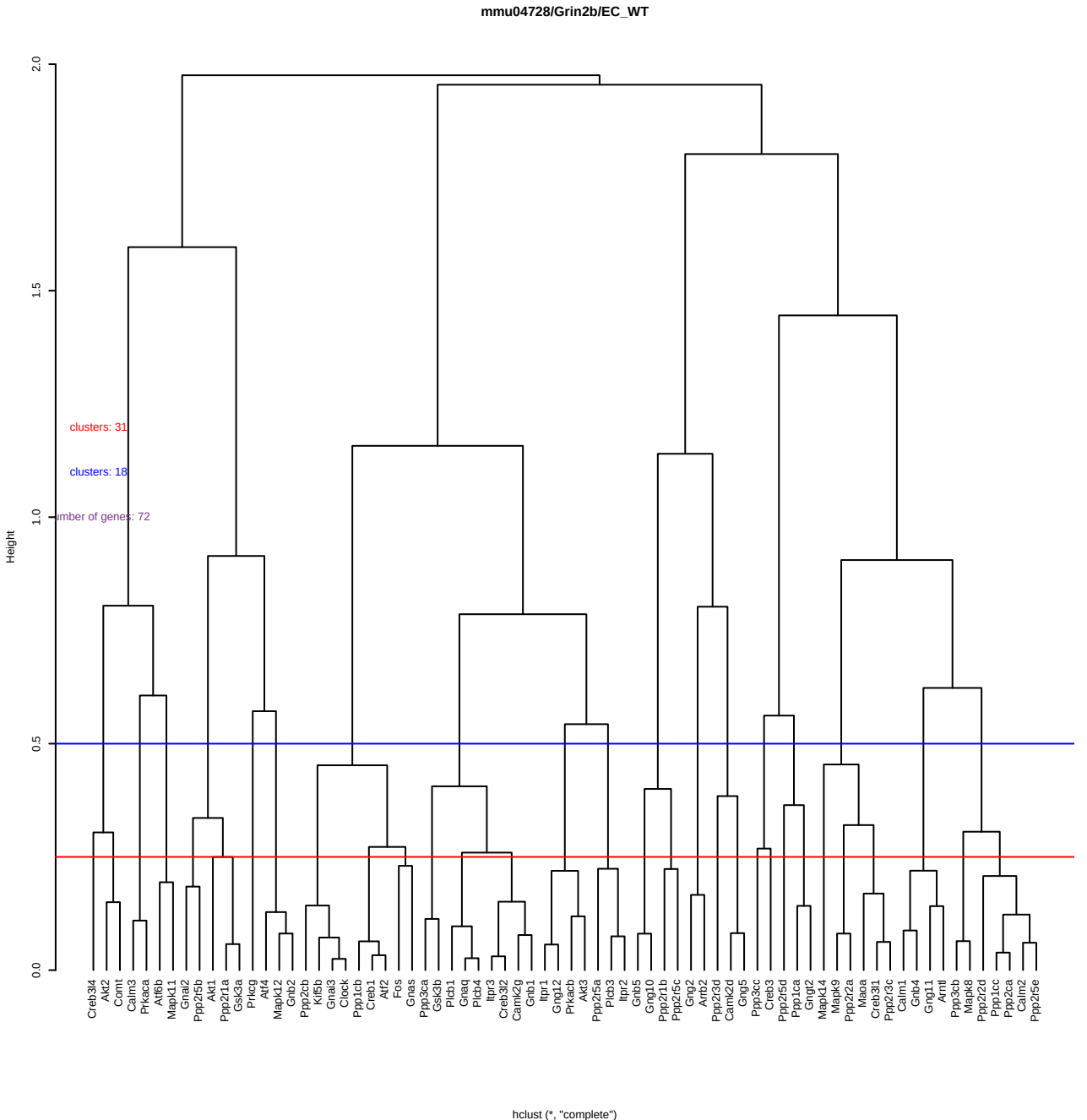
clusters: 30
clusters: 17
umber of genes: 47
Ppp3cc
Gng10
Itpr2
Pld2
Pld1
Adcy7
Gng11
Adcy2
Glul
Itpr3
Gngt2
Grik5
Gng8
Gnb5
Gng5
Dlg4
Adcy4
Mapk3
Cacna1a
Adcy3
Prkaca
Gnai2
Gnb2
Slc1a3
Plcb3
Adrbk1
Ppp3ca
Adcy6
Prkca
Prkacb
Mapk1
Gnb1
Slc38a2
Gnai3
Gls
Gnaq
Itpr1
Pla2g4a
Ppp3r1
Ppp3cb
Gng12
Adcy5
Gnao1
Gng2
Gnb4
Homer3
Gnas
hclust (*, "complete")


mmu04724/Grin2b/EC_KO
Height
0.0
0.5
1.0
1.5
2.0
clusters: 23
clusters: 12
umber of genes: 43
Mapk1
Gng11
Gng2
Slc1a3
Ppp3r1
Prkca
Adcy7
Prkacb
Gnai2
Prkaca
Gnb1
Gnai3
Gng12
Pla2g4a
Gng10
Itpr1
Adcy3
Dlg4
Homer3
Gnaq
Gnao1
Itpr2
Gnas
Pld2
Adcy2
Gls
Ppp3ca
Ppp3cb
Adcy5
Adcy4
Adcy6
Gnb5
Slc38a2
Adrbk1
Ppp3cc
Gng5
Mapk3
Gnb2
Gnb4
Gng8
Gngt2
Plcb3
Glul
hclust (*, "complete")


mmu04728/Grin2b/EC_WT
Height
2.0
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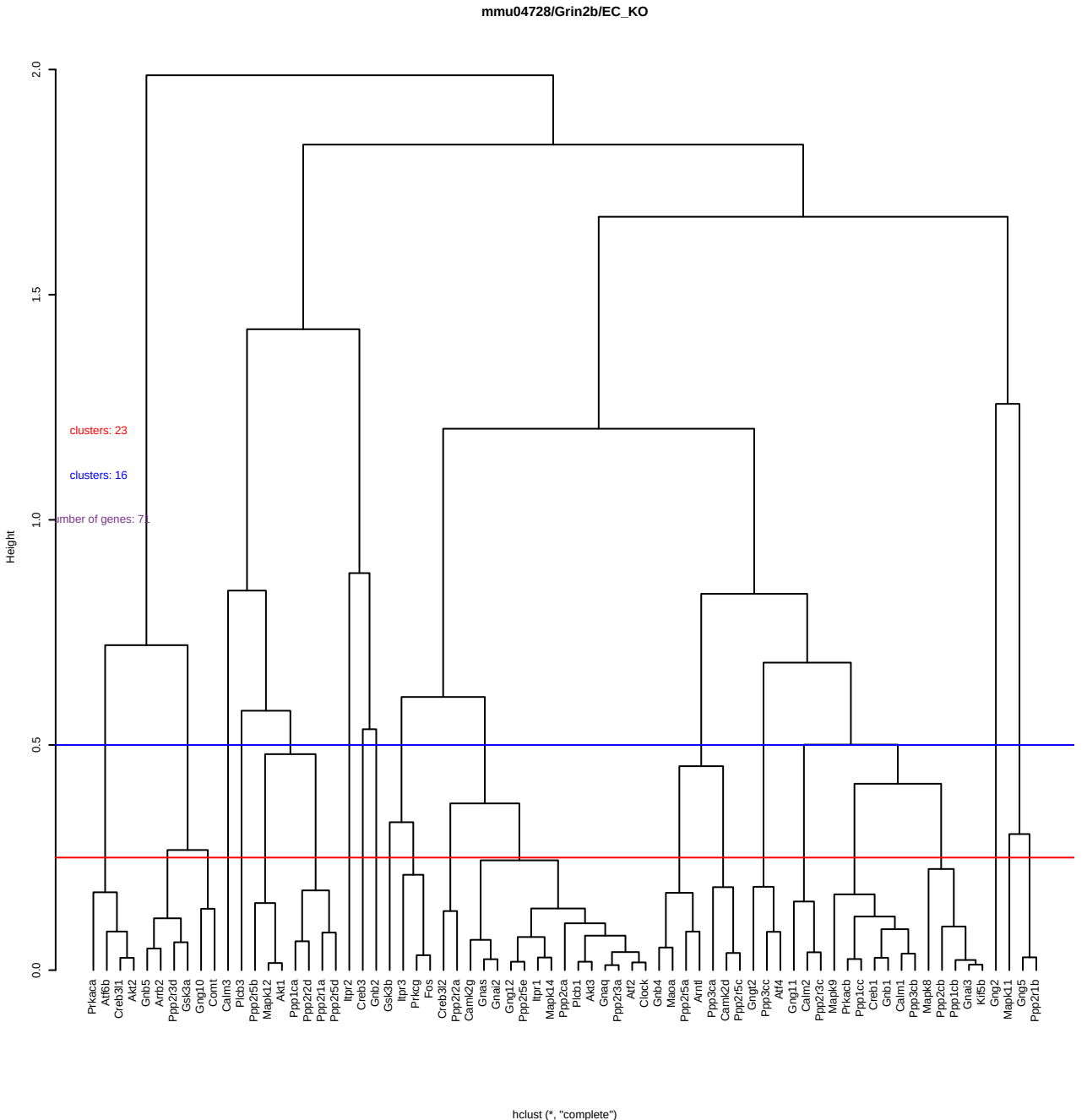
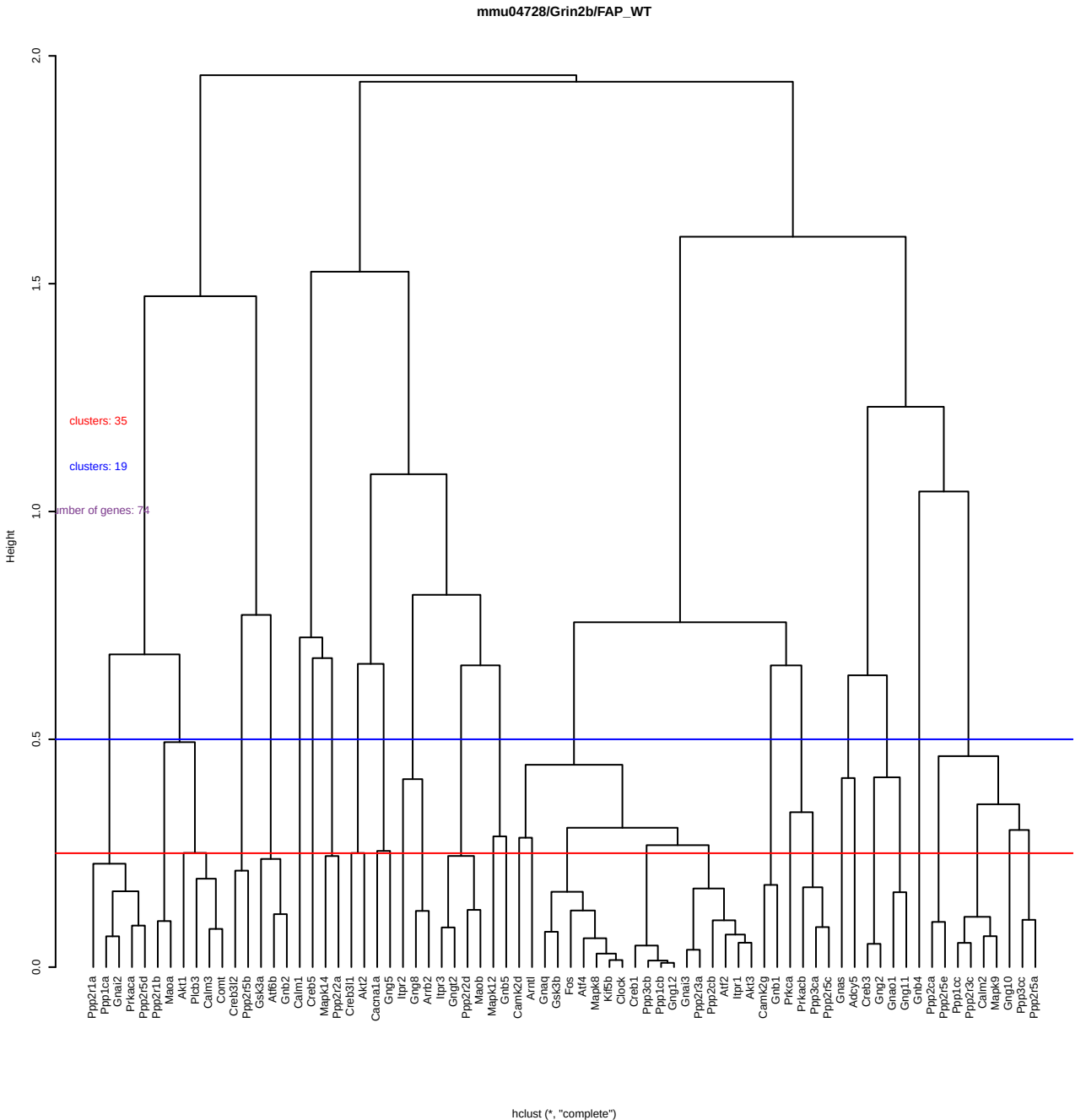
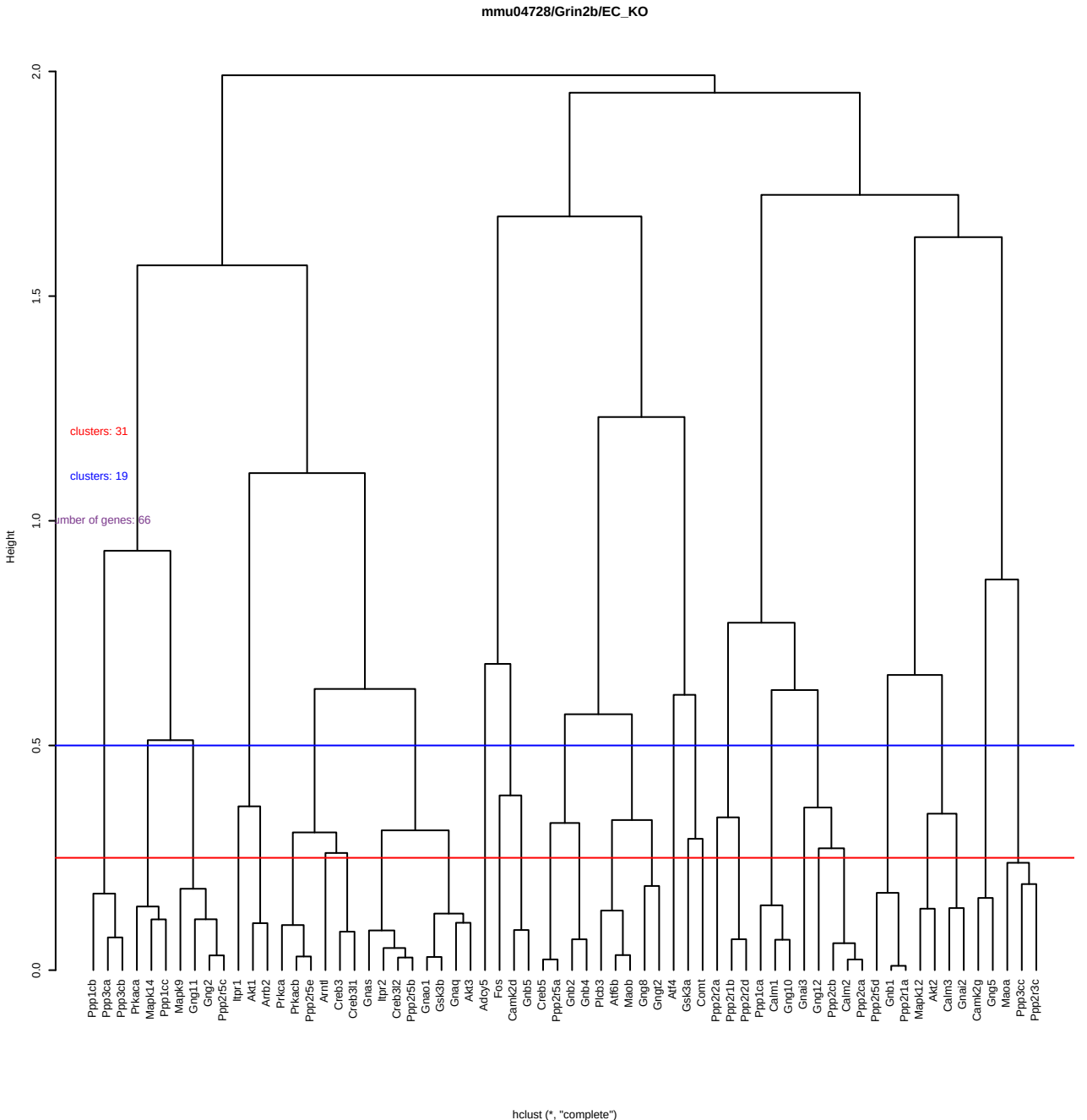
1.0
0.5
0.0
clusters: 31
clusters: 18
umber of genes: 72
Creb3l4
Akt2
Comt
Calm3
Prkaca
Atf6b
Mapkl1
Gnai2
Ppp2r5b
Akt1
Ppp2r1a
Gsk3a
Prkcg
Atf4
Mapkl2
Gnb2
Pp2cb
Klf5b
Gnai3
Clock
Ppp1cb
Creb1
Atf2
Fos
Gnas
Ppp3ca
Gsk3b
Plcb1
Gnaq
Plcb4
Itpr3
Creb3l2
Camk2g
Gnb1
Itpr1
Gng12
Prkacb
Akt3
Ppp2r5a
Plcb3
Itpr2
Gnb5
Gng10
Ppp2r1b
Ppp2r5c
Gng2
Arrb2
Ppp2r3d
Camk2d
Gng5
Ppp3cc
Creb3
Ppp2r5d
Ppp1ca
Gngt2
Mapkl4
Mapk9
Ppp2r2a
Maoa
Creb3l1
Ppp2r3c
Calm1
Gnb4
Gng11
Arntl
Ppp3cb
Mapk8
Ppp2r2d
Ppp1cc
Ppp2ca
Calm2
Ppp2r5e
hclust (*, "complete")


mmu04728/Grin2b/EC_KO
Height
2.0
1.5
1.0
0.5
0.0
clusters: 23
clusters: 16
mber of genes: 71
Prkaca
Atf6b
Creb3l1
Akt2
Gnb5
Arrb2
Ppp2r3d
Gsk3a
Grng10
Comt
Calm3
Plcb3
Ppp2r5b
Mapkl2
Akt1
Ppp1ca
Ppp2r2d
Ppp2r1a
Ppp2r5d
Itpr2
Creb3
Gnb2
Gsk3b
Itpr3
Prkcg
Fos
Creb3l2
Ppp2r2a
Camk2g
Gnas
Gnai2
Gngt2
Ppp2r5e
Itpr1
Mapkl4
Ppp2ca
Plcb1
Akt3
Gnaq
Ppp2r3a
Atf2
Clock
Gnb4
Maoa
Ppp2r5a
Arntl
Ppp3ca
Camk2d
Ppp2r5c
Gngt2
Ppp3cc
Atf4
Grng11
Calm2
Ppp2r3c
Mapk9
Prkacb
Ppp1cc
Creb1
Gnb1
Calm1
Ppp3cb
Mapk8
Ppp2cb
Ppp1cb
Gnai3
Klf5b
Gng2
Mapk11
Gng5
Ppp2r1b
hclust (*, "complete")


mmu04728/Grin2b/FAP_WT
Height
2.0
1.5
1.0
0.5
0.0
clusters: 35
clusters: 19
mber of genes: 74
Ppp2r1a
Ppp1ca
Gnai2
Prkaca
Ppp2r5d
Ppp2r1b
Maoa
Akt1
Plcb3
Calm3
Comt
Creb3l2
Ppp2r5b
Gsk3a
Atf6b
Gnb2
Calm1
Creb5
Mapk14
Ppp2r2a
Creb3l1
Akt2
Cacna1a
Gng5
Itpr2
Gng8
Arnb2
Itpr3
Gngt2
Ppp2r2d
Maob
Mapk12
Gnb5
Camk2d
Arntl
Gnaq
Gsk3b
Fos
Atf4
Mapk8
Kif5b
Clock
Creb1
Ppp3cb
Ppp1cb
Gng12
Gnai3
Ppp2r3a
Ppp2cb
Atf2
Itpr1
Akt3
Camk2g
Gnb1
Prkca
Prkacb
Ppp3ca
Ppp2r5c
Gnas
Adcy5
Creb3
Gng2
Gnao1
Gng11
Gnb4
Ppp2ca
Ppp2r5e
Ppp1cc
Ppp2r3c
Calm2
Mapk9
Gng10
Ppp3cc
Ppp2r5a
hclust (*, "complete")


mmu04728/Grin2b/EC_KO
Height
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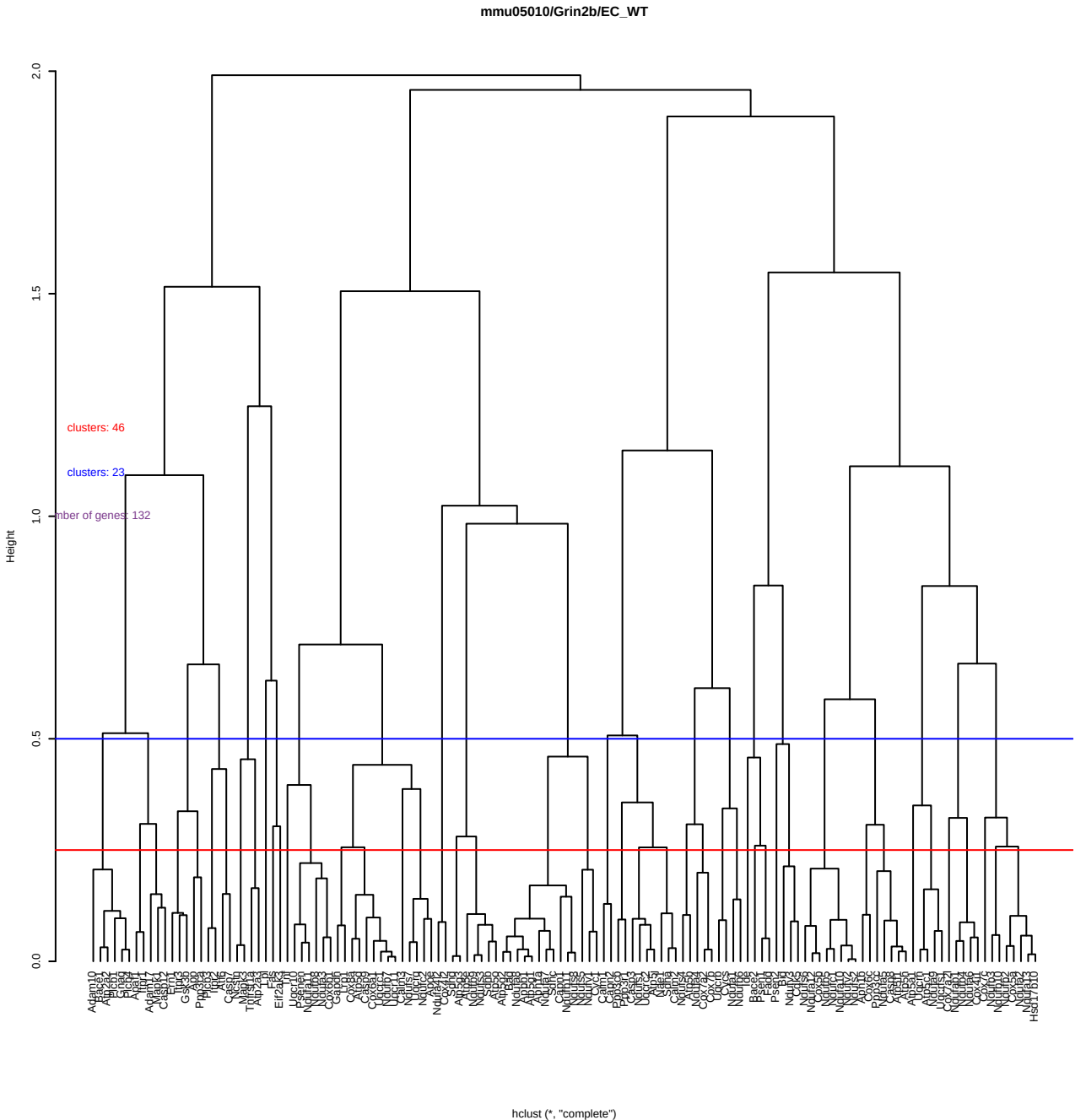
0.5
1.0
1.5
2.0
clusters: 31
clusters: 19
umber of genes: 66
Ppp1cb
Ppp3ca
Ppp3cb
Prkaca
Mapk14
Ppp1cc
Mapk9
Gng11
Gng2
Ppp2r5c
Itpr1
Akt1
Arrb2
Prkca
Prkacb
Ppp2r5e
Arntl
Creb3
Creb3l1
Gnas
Itpr2
Creb3l2
Ppp2r5b
Gnao1
Gsk3b
Gnaq
Akt3
Adcy5
Fos
Camk2d
Gnb5
Creb5
Ppp2r5a
Gnb2
Gnb4
Plcb3
Atf6b
Maob
Gng8
Gngt2
Atf4
Gsk3a
Comt
Ppp2r2a
Ppp2r1b
Ppp2r2d
Ppp1ca
Calm1
Gng10
Gnai3
Gng12
Ppp2cb
Calm2
Ppp2ca
Ppp2r5d
Gnb1
Ppp2r1a
Mapk12
Akt2
Calm3
Gnai2
Camk2g
Gng5
Maoa
Ppp3cc
Ppp2r3c
hclust (*, "complete")


mmu05010/Grin2b/EC_WT
Height
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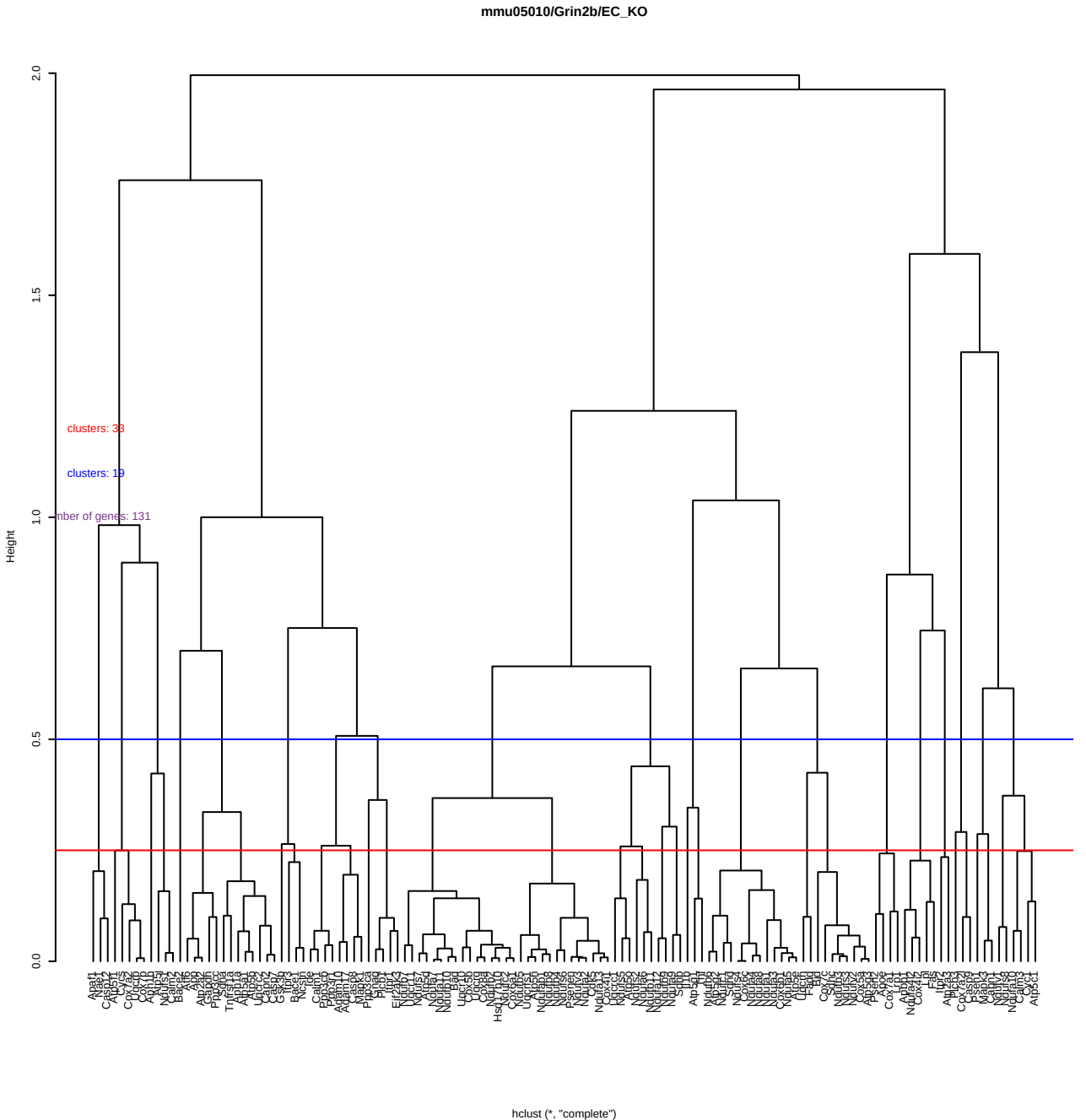
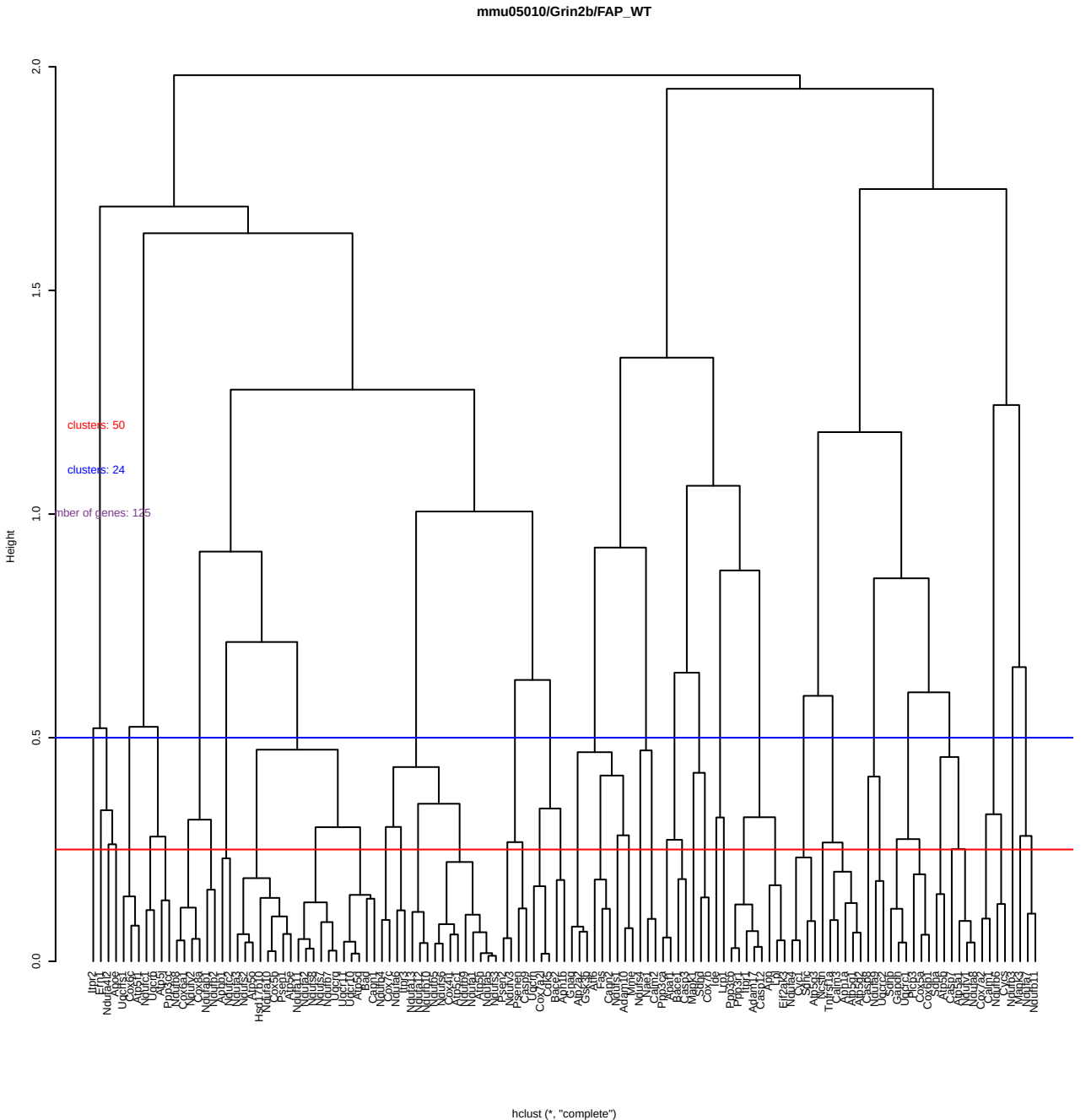
0.0
clusters: 46
clusters: 23
nber of genes: 132
hclust (*, "complete")


mmu05010/Grin2b/EC_KO
Height
2.0
1.5
1.0
0.5
0.0
clusters: 33
clusters: 19
nber of genes: 131
hclust (*, "complete")


mmu05010/Grin2b/FAP_WT
Height
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1.5
1.0
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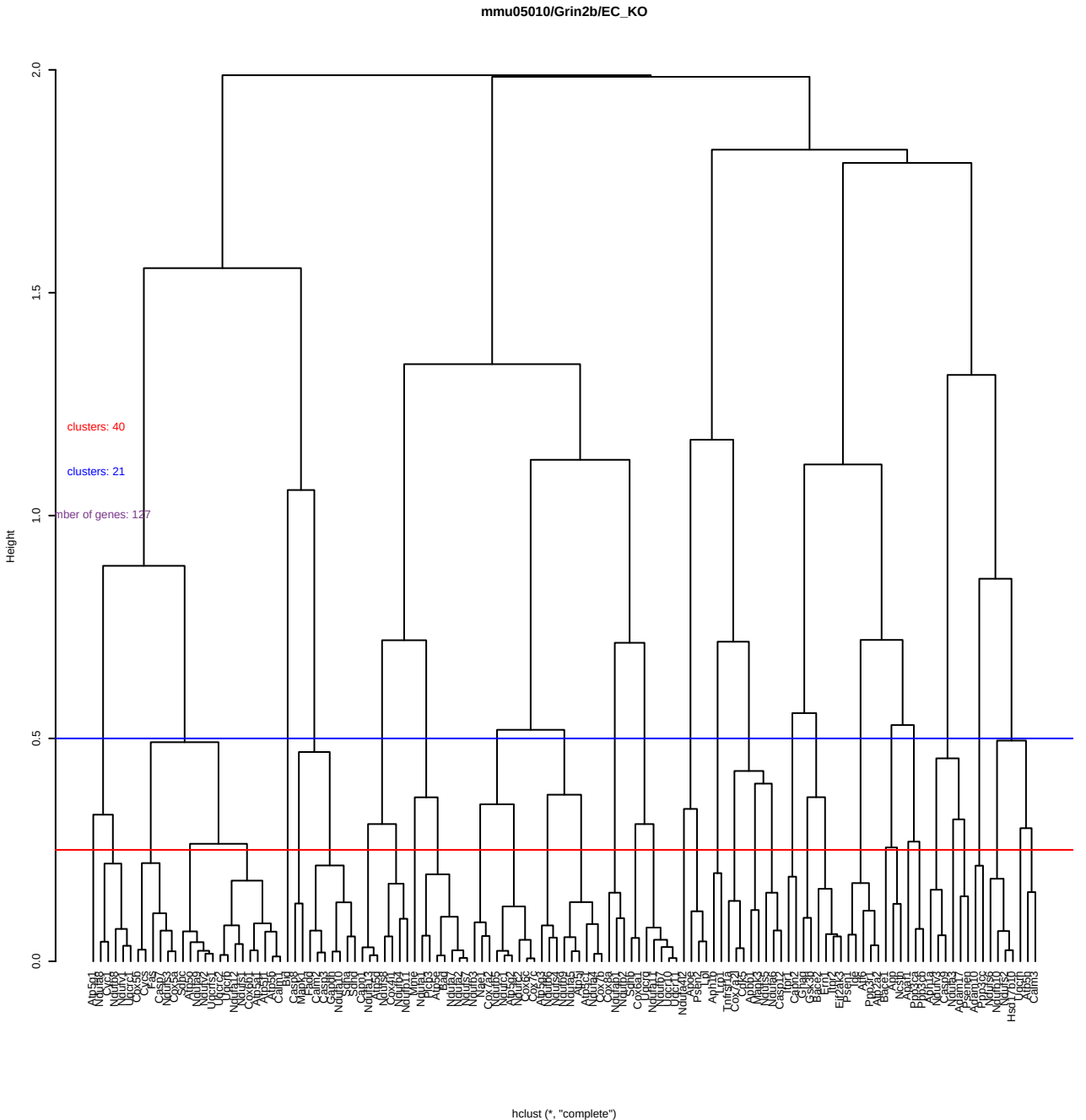
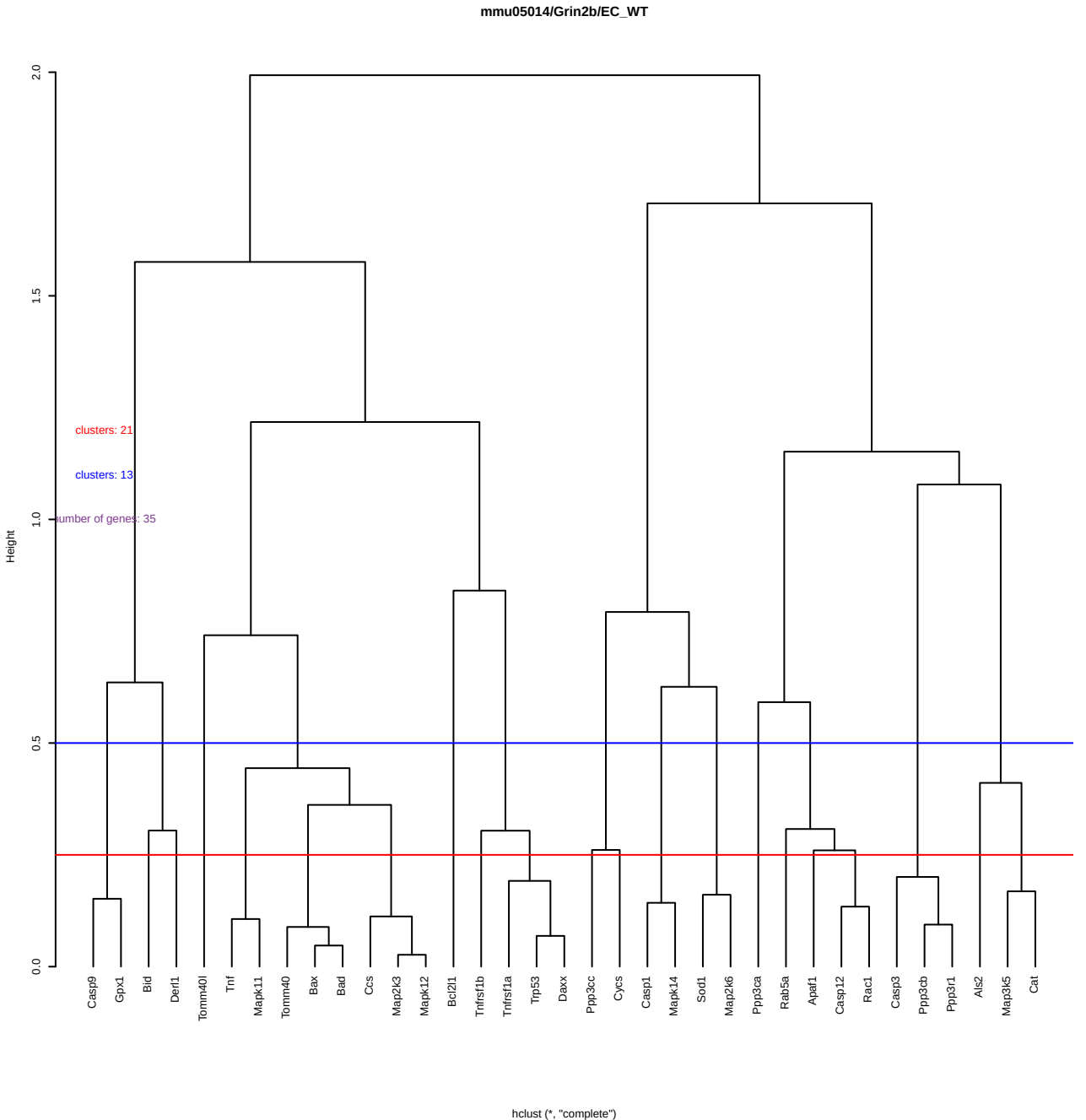
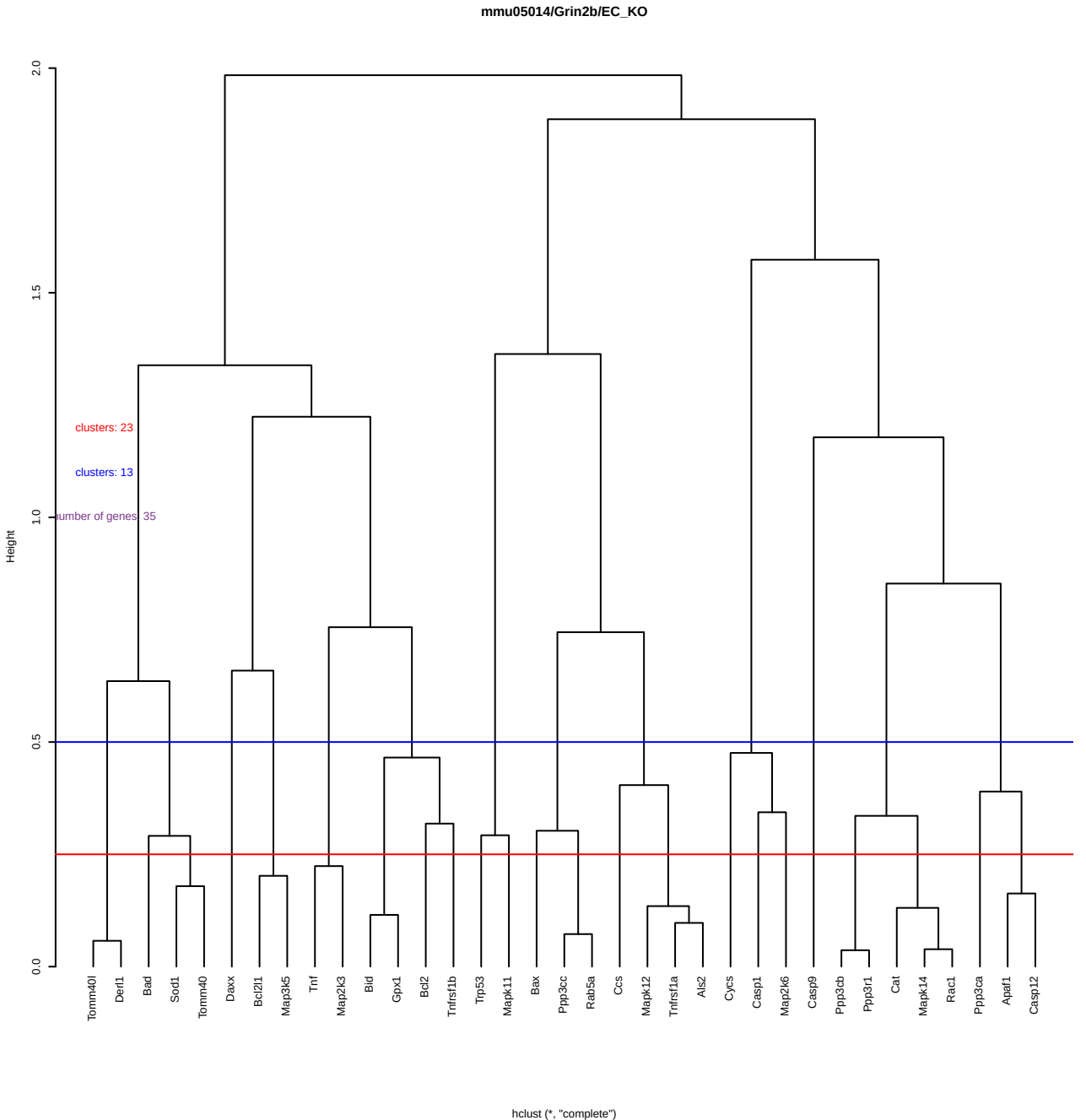
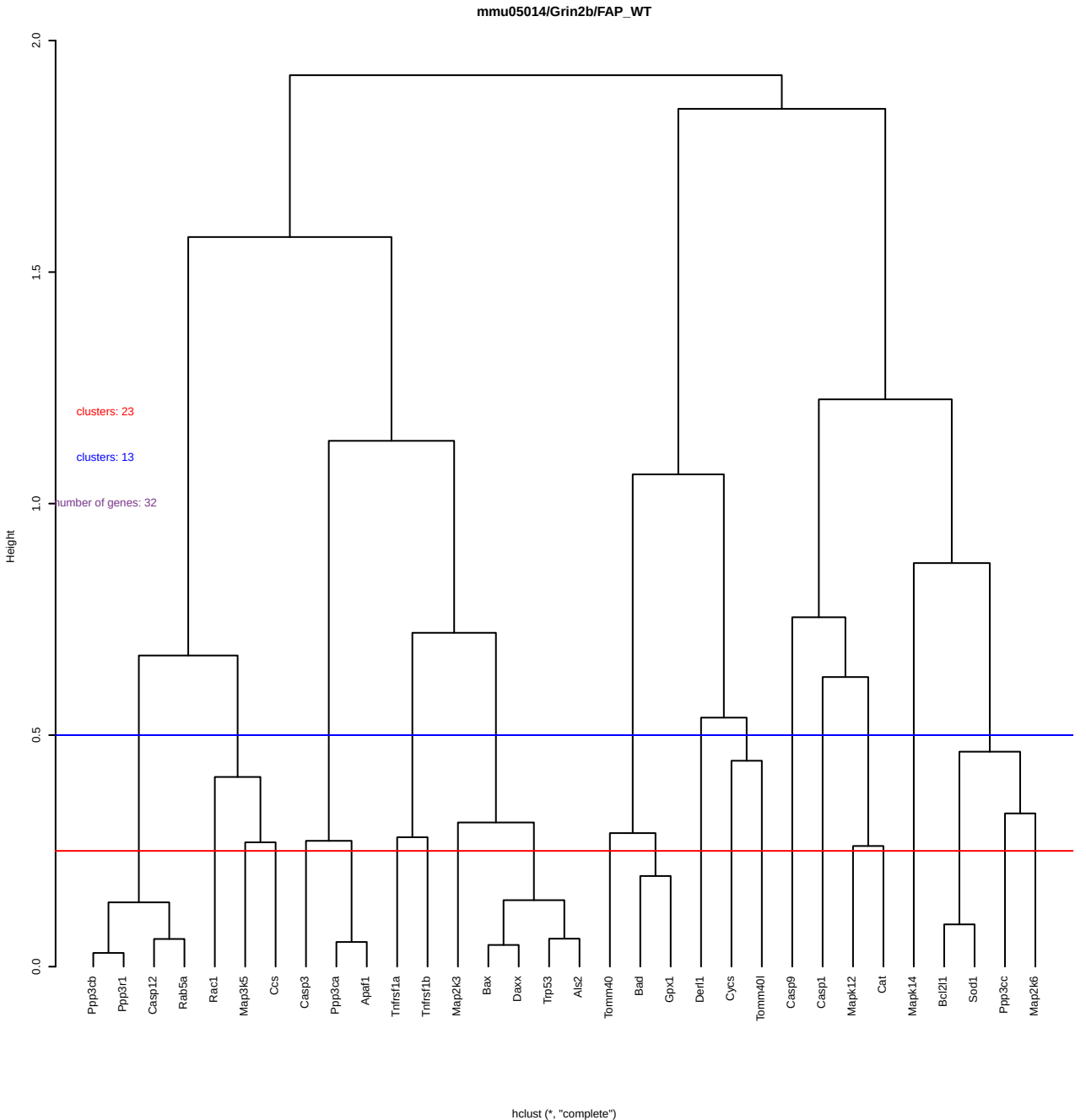
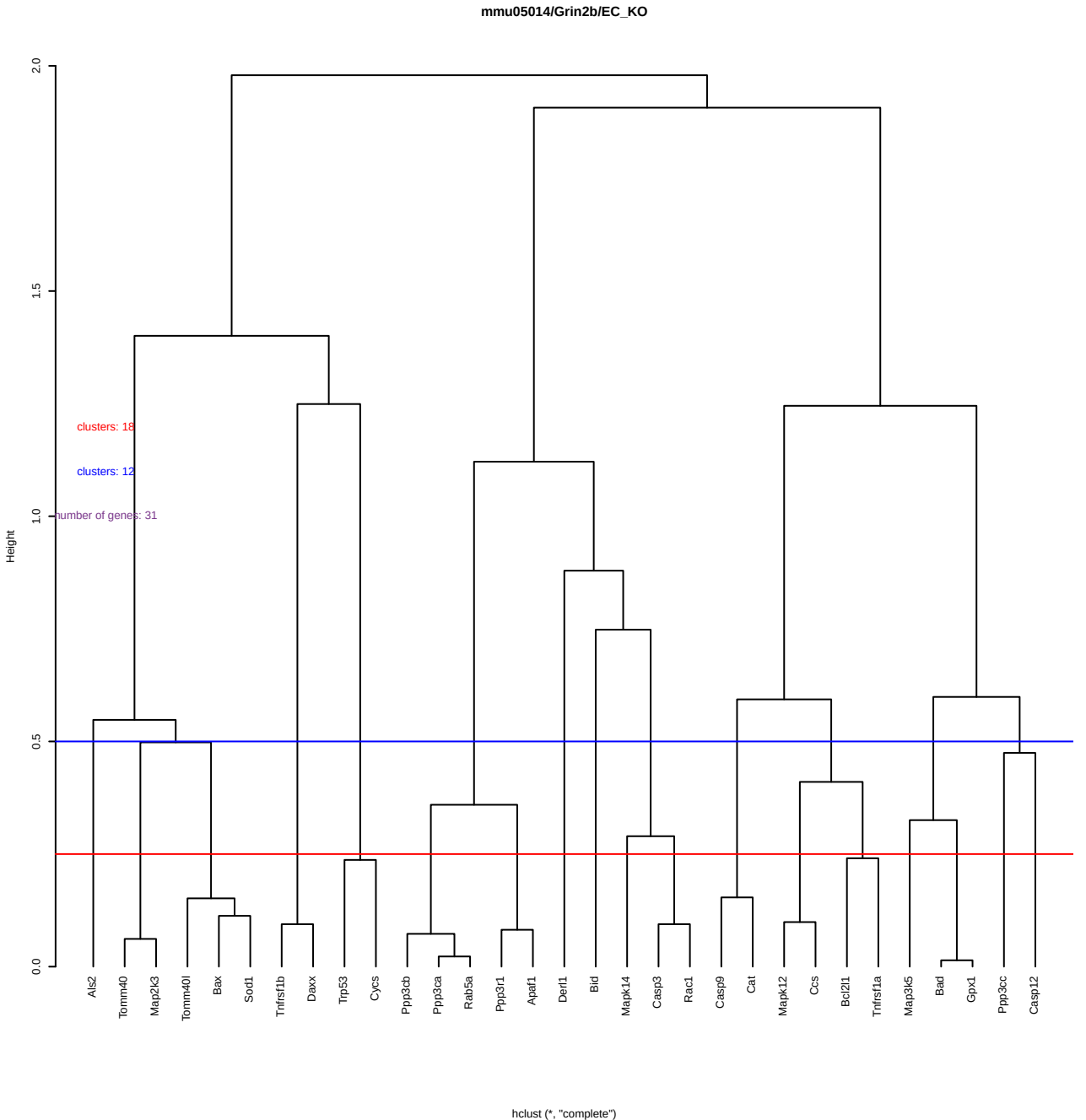
0.0
clusters: 50
clusters: 24
nber of genes: 125
hclust (*, "complete")

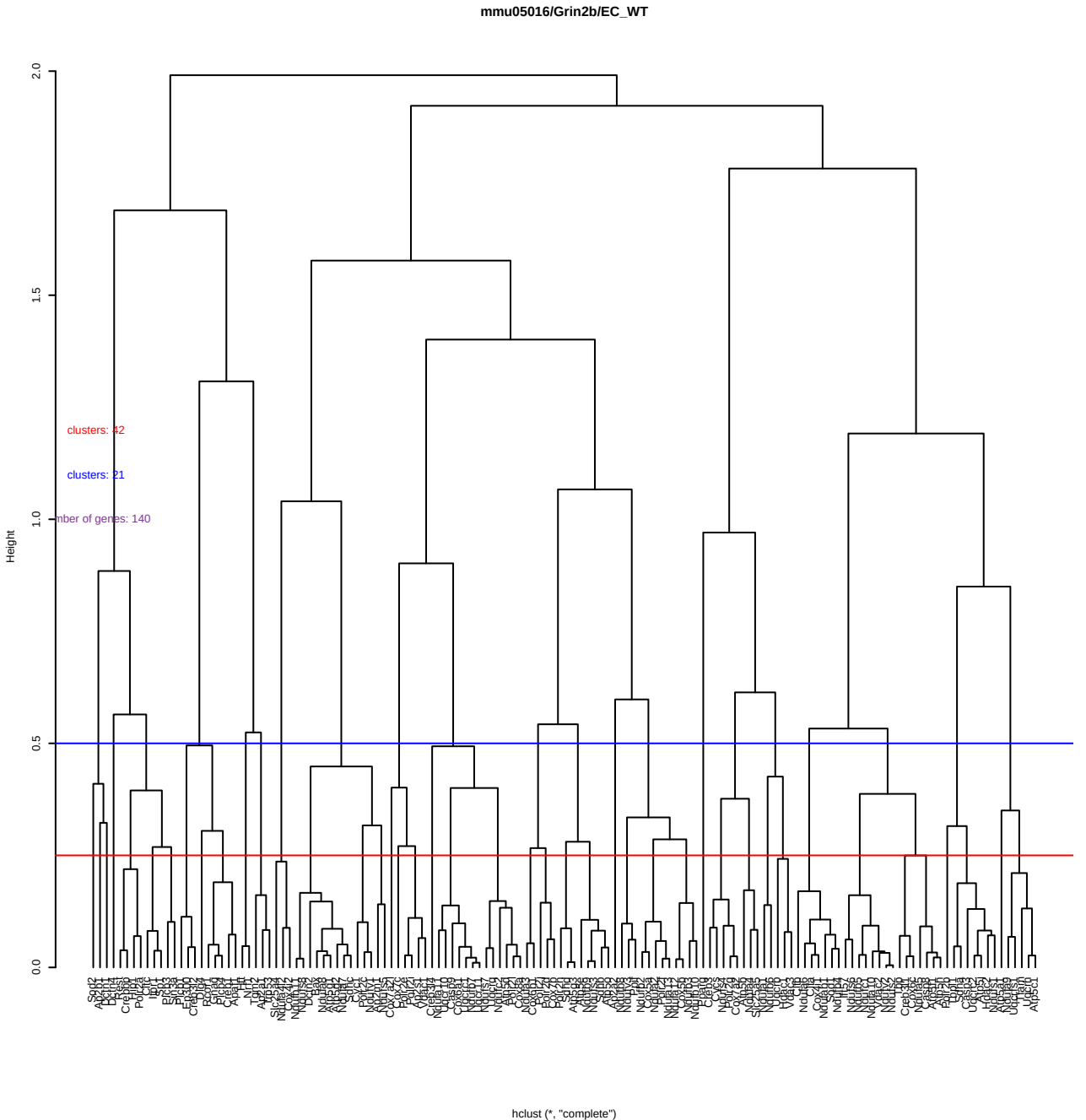

mmu05010/Grin2b/EC_KO
Height
2.0
1.5
1.0
0.5
0.0
clusters: 40
clusters: 21
nber of genes: 127
hclust (*, "complete")

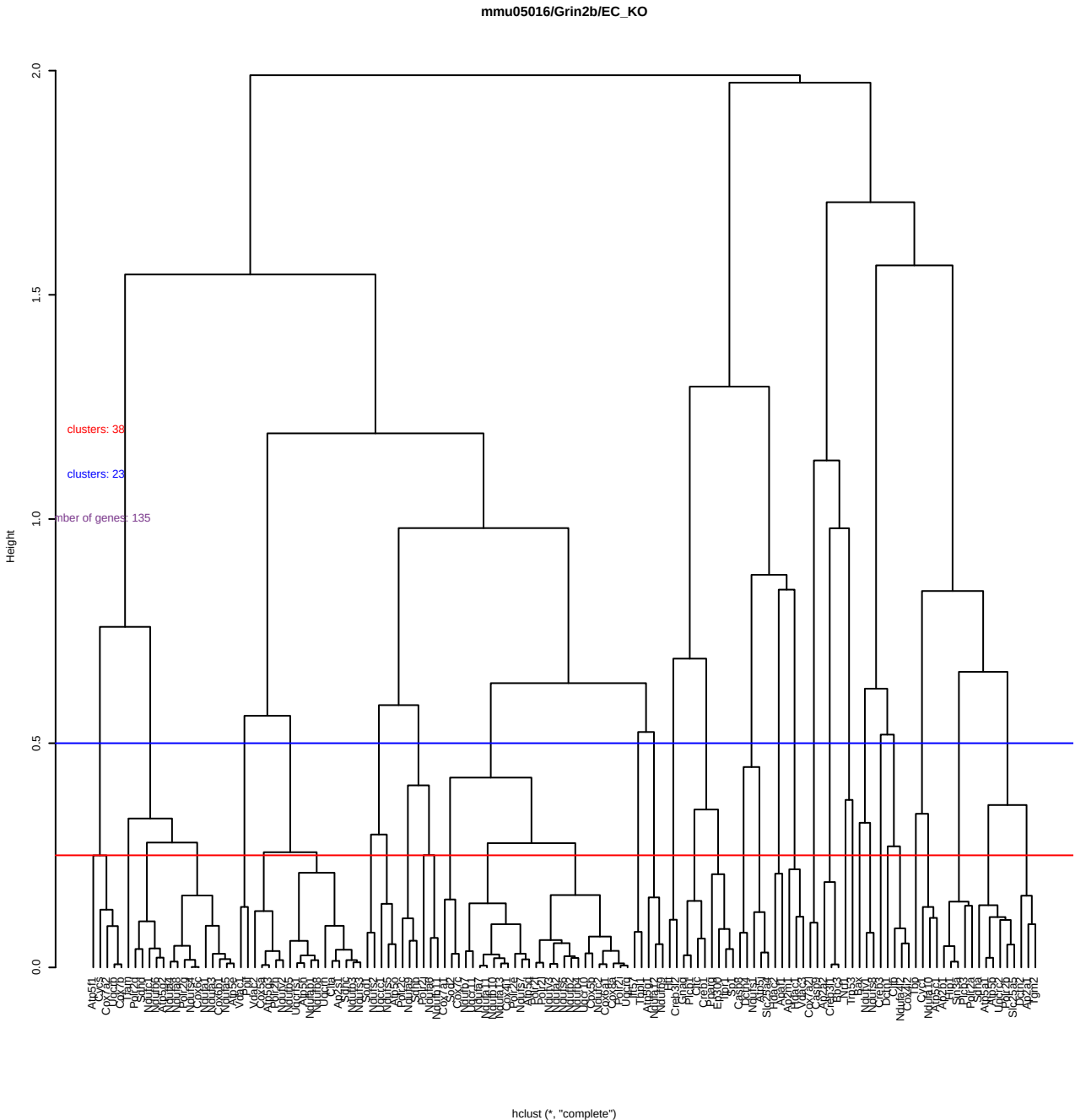

mmu05014/Grin2b/EC_WT
Height
2.0
1.5
1.0
0.5
0.0
clusters: 21
clusters: 13
number of genes: 35
Casp9
Gpx1
Bid
Derl1
Tomm40l
Tnf
Mapk11
Tomm40
Bax
Bad
Ccs
Map2k3
Mapk12
Bcl2l1
Tnfrsf1b
Tnfrsf1a
Trp53
Daxx
Ppp3cc
Cycs
Casp1
Mapk14
Sod1
Map2k6
Ppp3ca
Rab5a
Apaf1
Casp12
Rac1
Casp3
Ppp3cb
Ppp3r1
Als2
Map3k5
Cat
hclust (*, "complete")

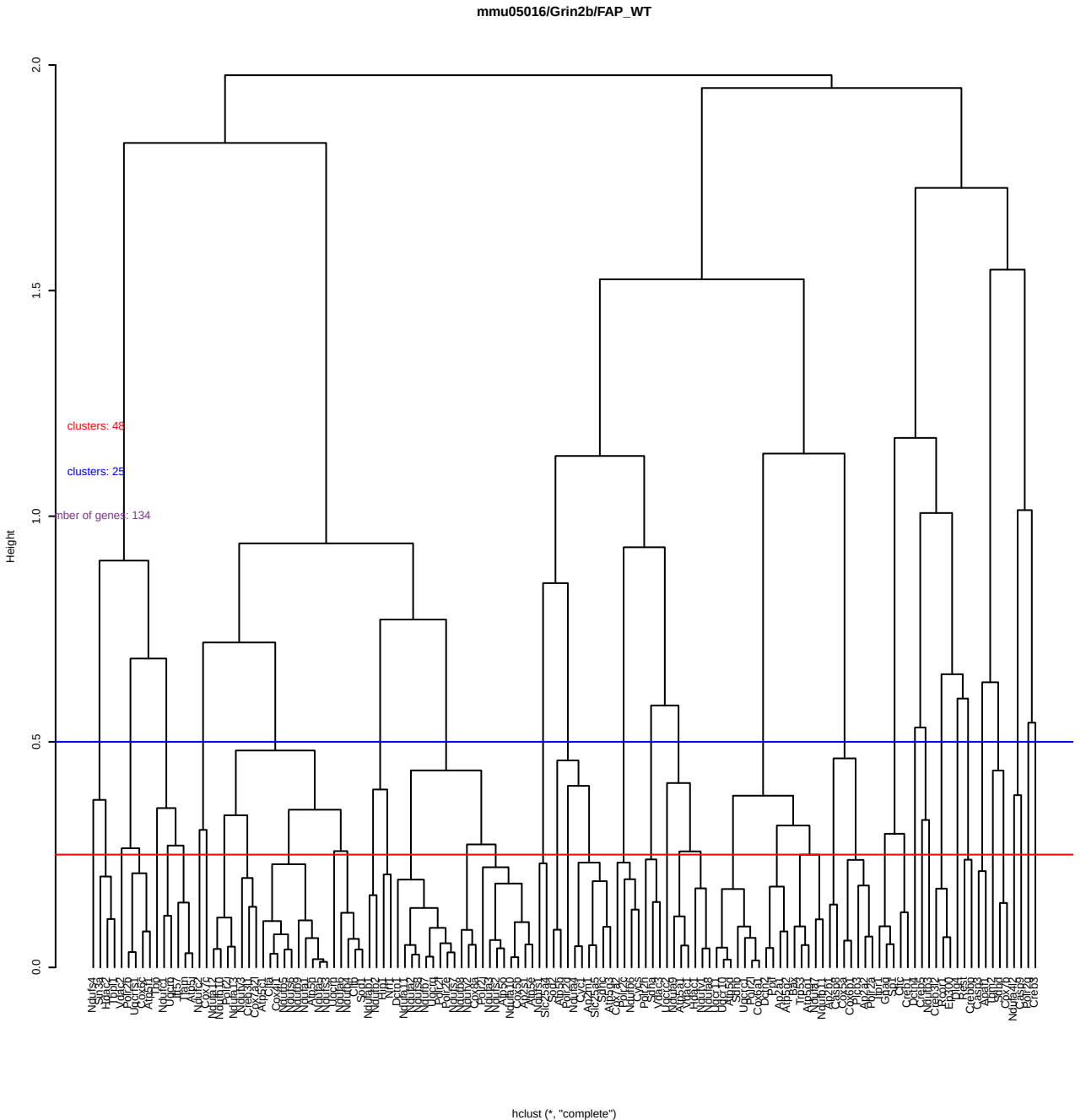

mmu05014/Grin2b/EC_KO
Height
2.0
1.5
1.0
0.5
0.0
clusters: 23
clusters: 13
number of genes: 35
Tomm40l
Derl1
Bad
Sod1
Tomm40
Daxx
Bcl2l1
Map3k5
Tnf
Map2k3
Bid
Gpx1
Bcl2
Tnfrsf1b
Trp53
Mapk11
Bax
Ppp3cc
Rab5a
Ccs
Mapk12
Tnfrsf1a
Als2
Cycs
Casp1
Map2k6
Casp9
Ppp3cb
Ppp3r1
Cat
Mapk14
Rac1
Ppp3ca
Apaf1
Casp12
hclust (*, "complete")

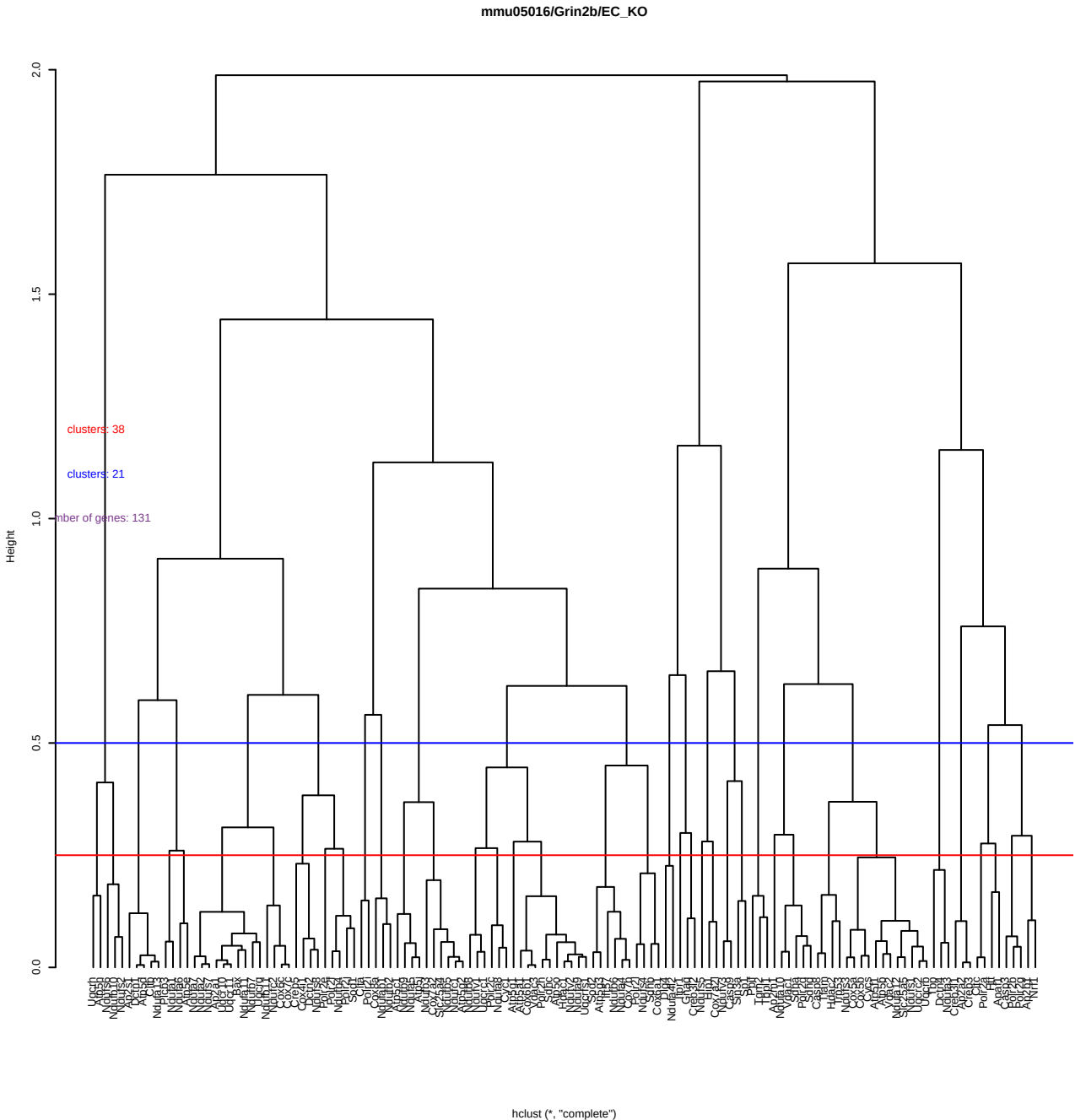

mmu05014/Grin2b/FAP_WT
Height
2.0
1.5
1.0
0.5
0.0
clusters: 23
clusters: 13
number of genes: 32
Ppp3cb
Ppp3r1
Casp12
Rab5a
Rac1
Map3k5
Ccs
Casp3
Ppp3ca
Apaf1
Tnfrsf1a
Tnfrsf1b
Map2k3
Bax
Daxx
Trp53
Als2
Tomm40
Bad
Gpx1
Derl1
Cycs
Tomm40l
Casp9
Casp1
Mapk12
Cat
Mapk14
Bcl2l1
Sod1
Ppp3cc
Map2k6
hclust (*, "complete")

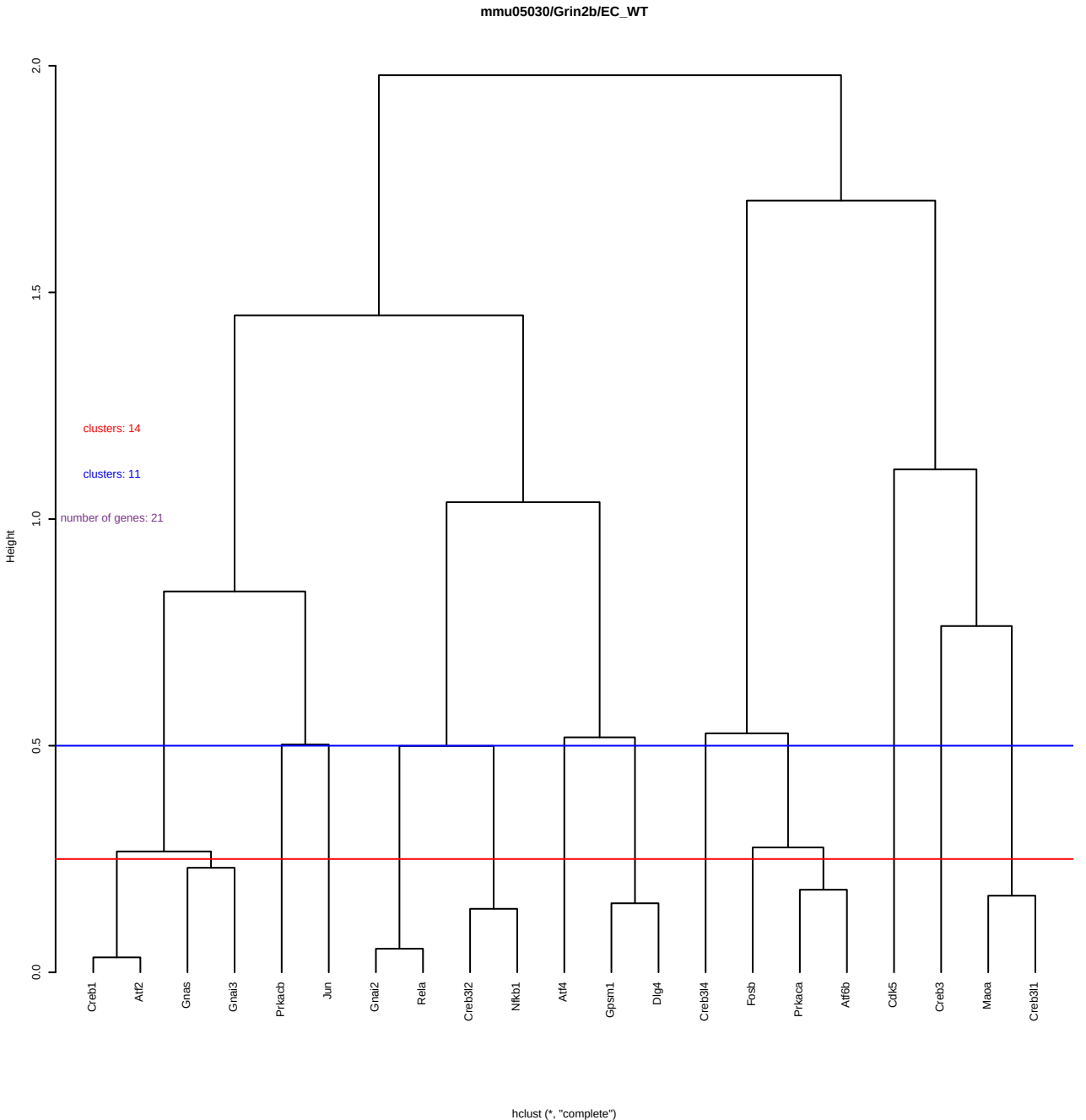

mmu05014/Grin2b/EC_KO
Height
2.0
1.5
1.0
0.5
0.0
clusters: 18
clusters: 12
number of genes: 31
Als2
Tomm40
Map2k3
Tomm40l
Bax
Sod1
Tnfrsf1b
Daxx
Trp53
Cycs
Ppp3cb
Ppp3ca
Rab5a
Ppp3r1
Apaf1
Derl1
Bid
Mapk14
Casp3
Rac1
Casp9
Cat
Mapk12
Ccs
Bcl2l1
Tnfrsf1a
Map3k5
Bad
Gpx1
Ppp3cc
Casp12
hclust (*, "complete")

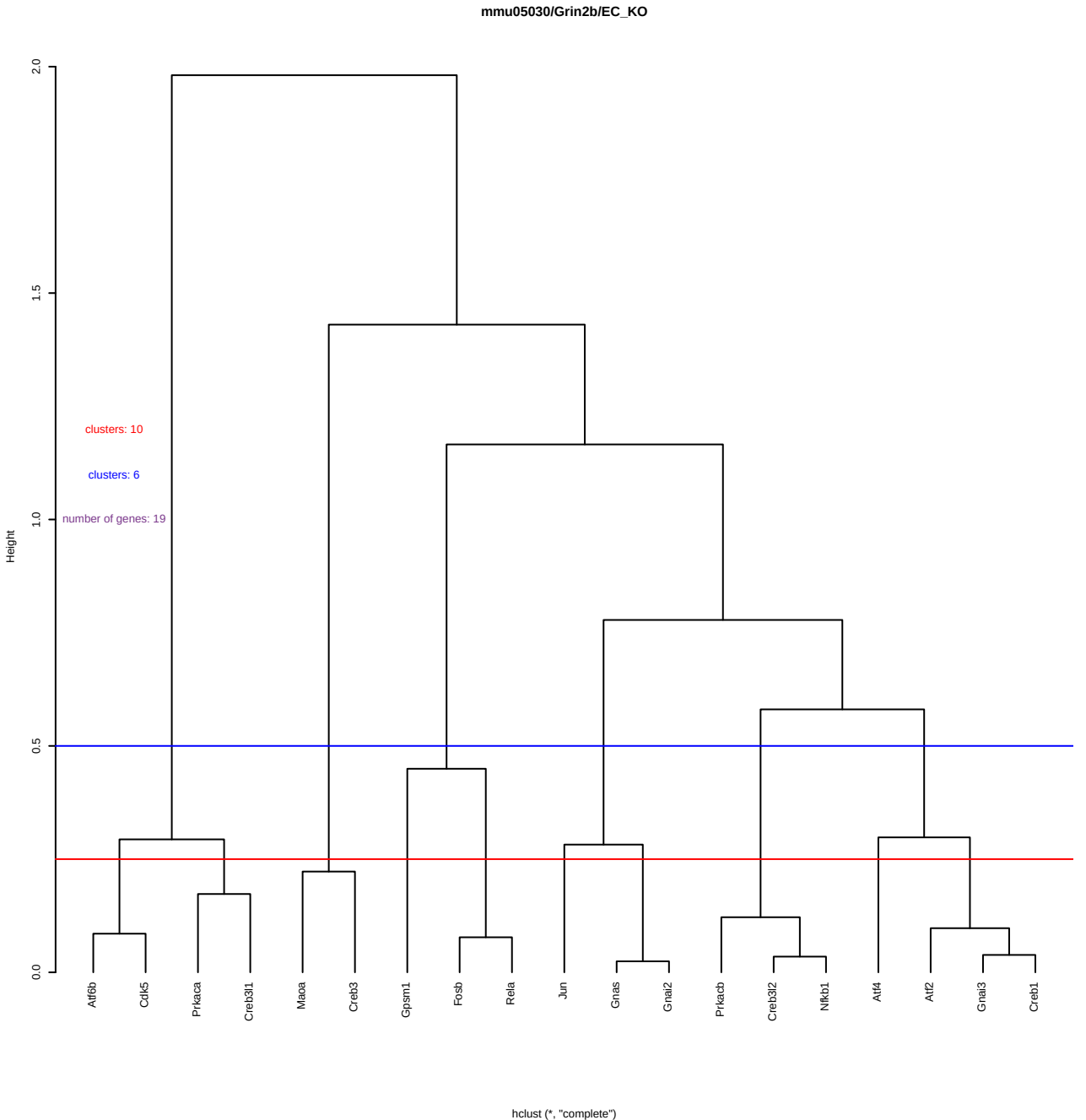

mmu05016/Grin2b/EC_WT
Height
2.0
1.5
1.0
0.5
0.0
clusters: 42
clusters: 21
nber of genes: 140
hclust (*, "complete")

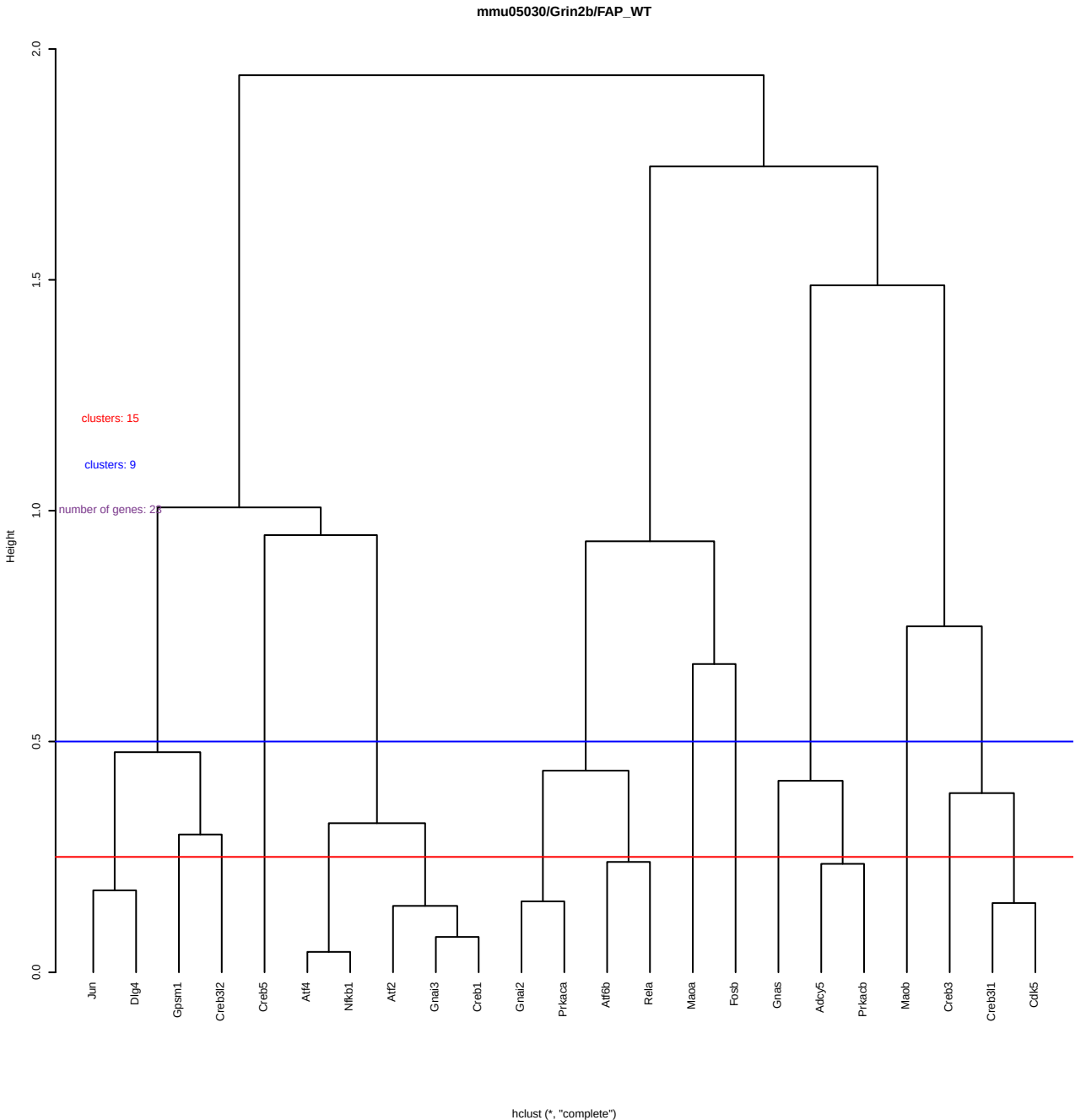

mmu05016/Grin2b/EC_KO
Height
2.0
1.5
1.0
0.5
0.0
clusters: 38
clusters: 23
nber of genes: 135
hclust (*, "complete")

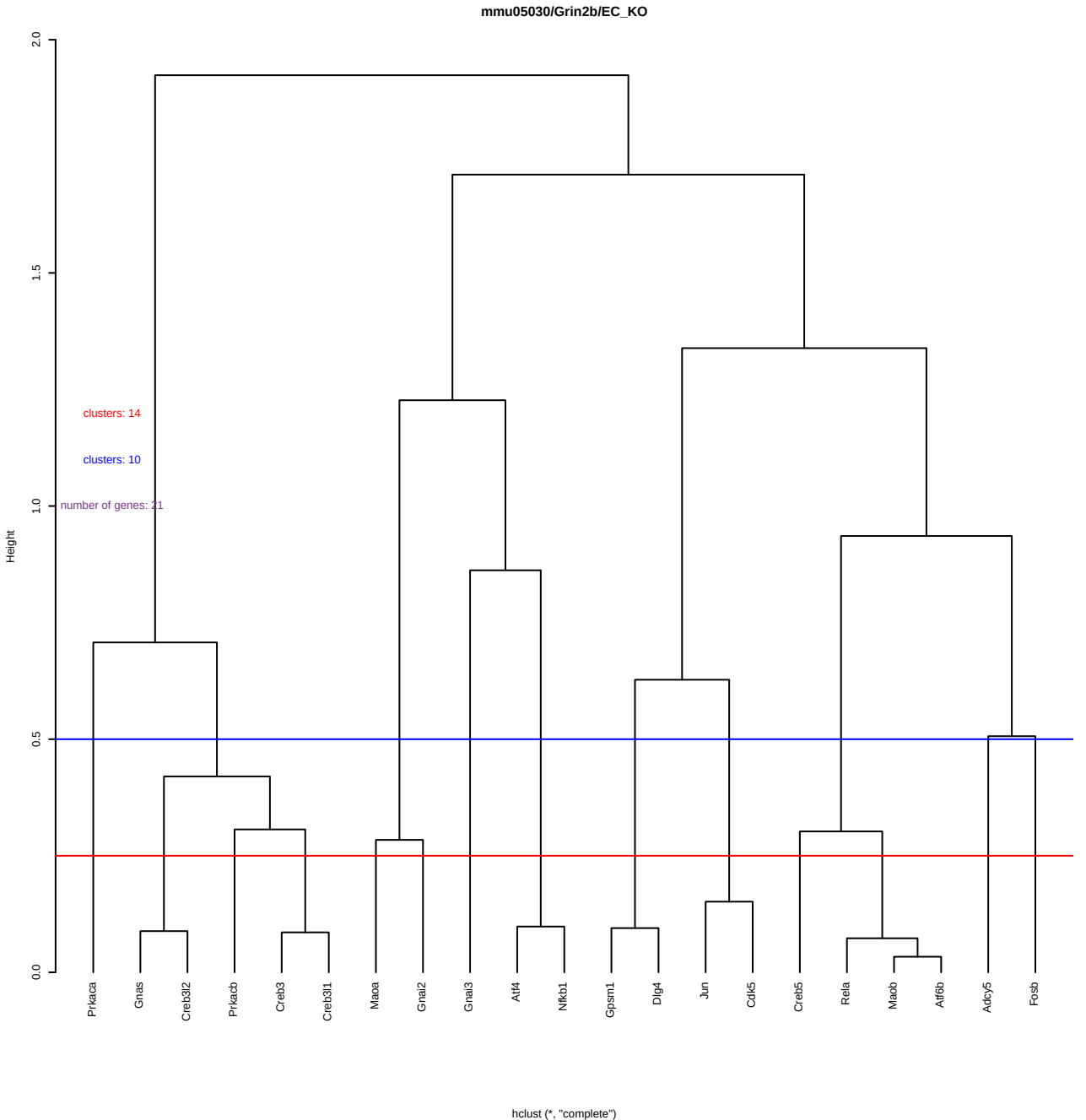

mmu05016/Grin2b/FAP_WT
Height
2.0
1.5
1.0
0.5
0.0
clusters: 48
clusters: 25
nber of genes: 134
hclust (*, "complete")

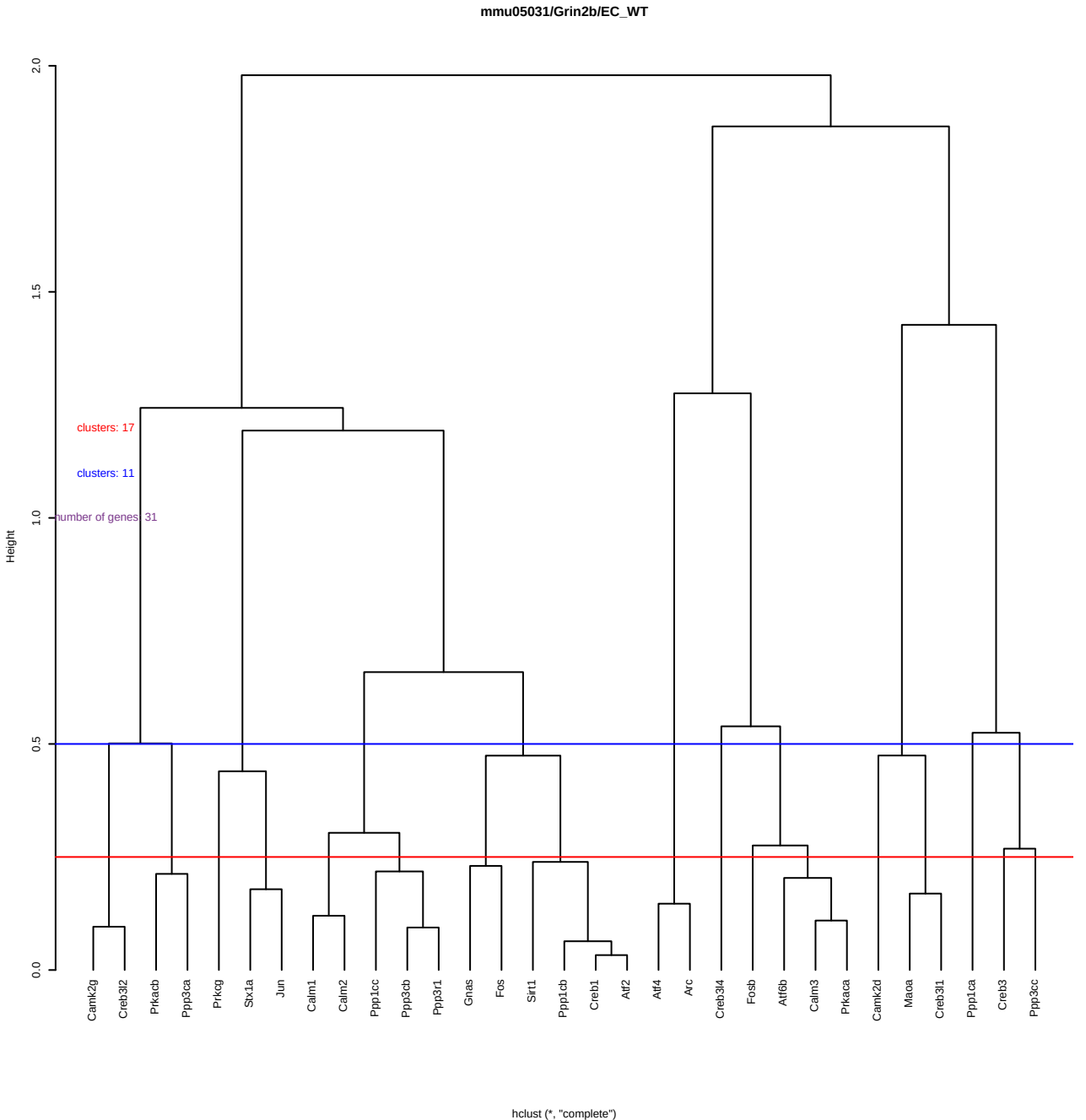

mmu05016/Grin2b/EC_KO
Height
2.0
1.5
1.0
0.5
0.0
clusters: 38
clusters: 21
nber of genes: 131
hclust (*, "complete")

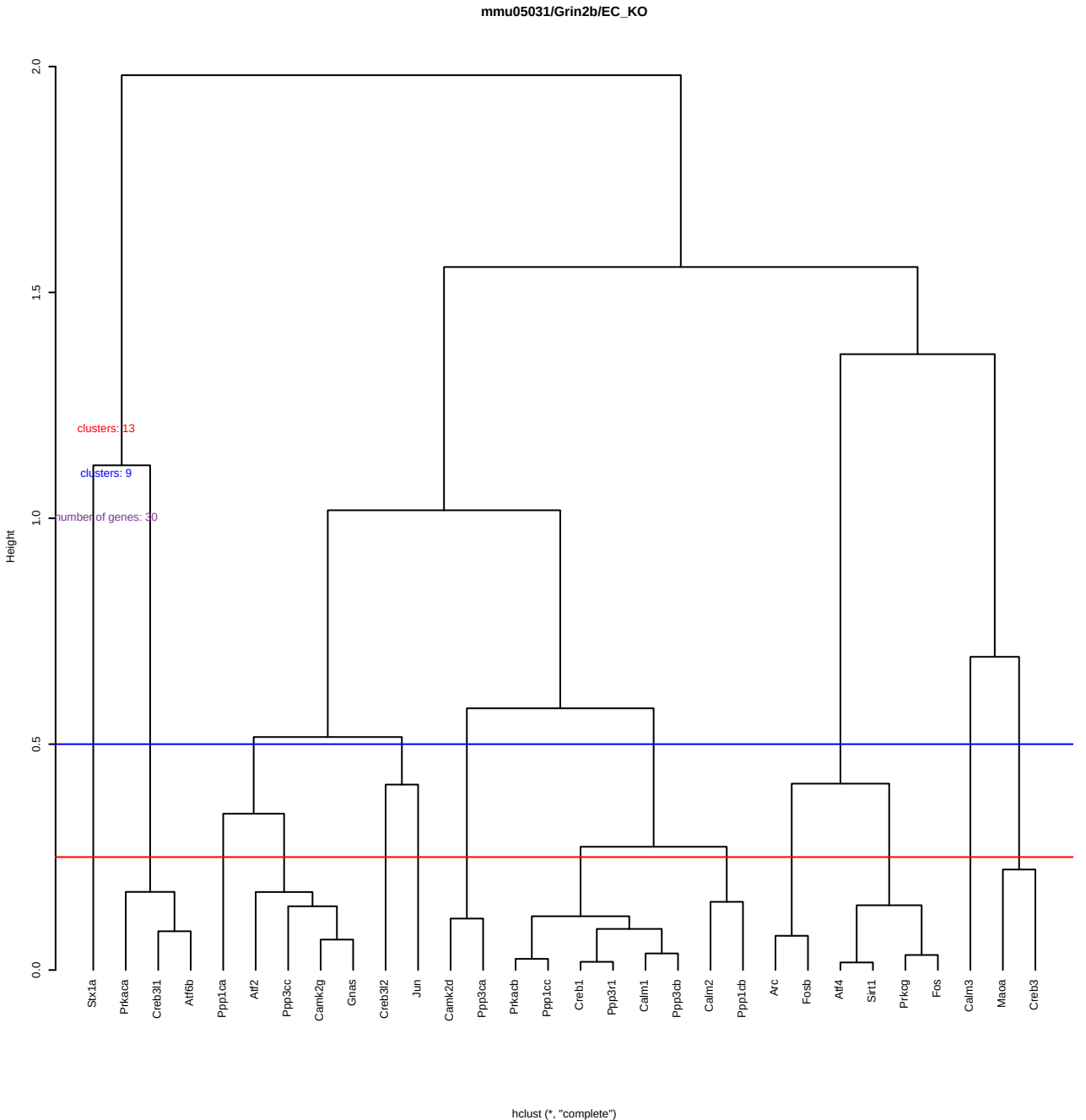

mmu05030/Grin2b/EC_WT
Height
2.0
1.5
1.0
0.5
0.0
clusters: 14
clusters: 11
number of genes: 21
Creb1
Atf2
Gnas
Gnai3
Prkacb
Jun
Gnai2
Rela
Creb3l2
Nfkb1
Atf4
Gpsm1
Dlg4
Creb3l4
Fosb
Prkaca
Atf6b
Cdk5
Creb3
Maoa
Creb3l1
hclust (*, "complete")

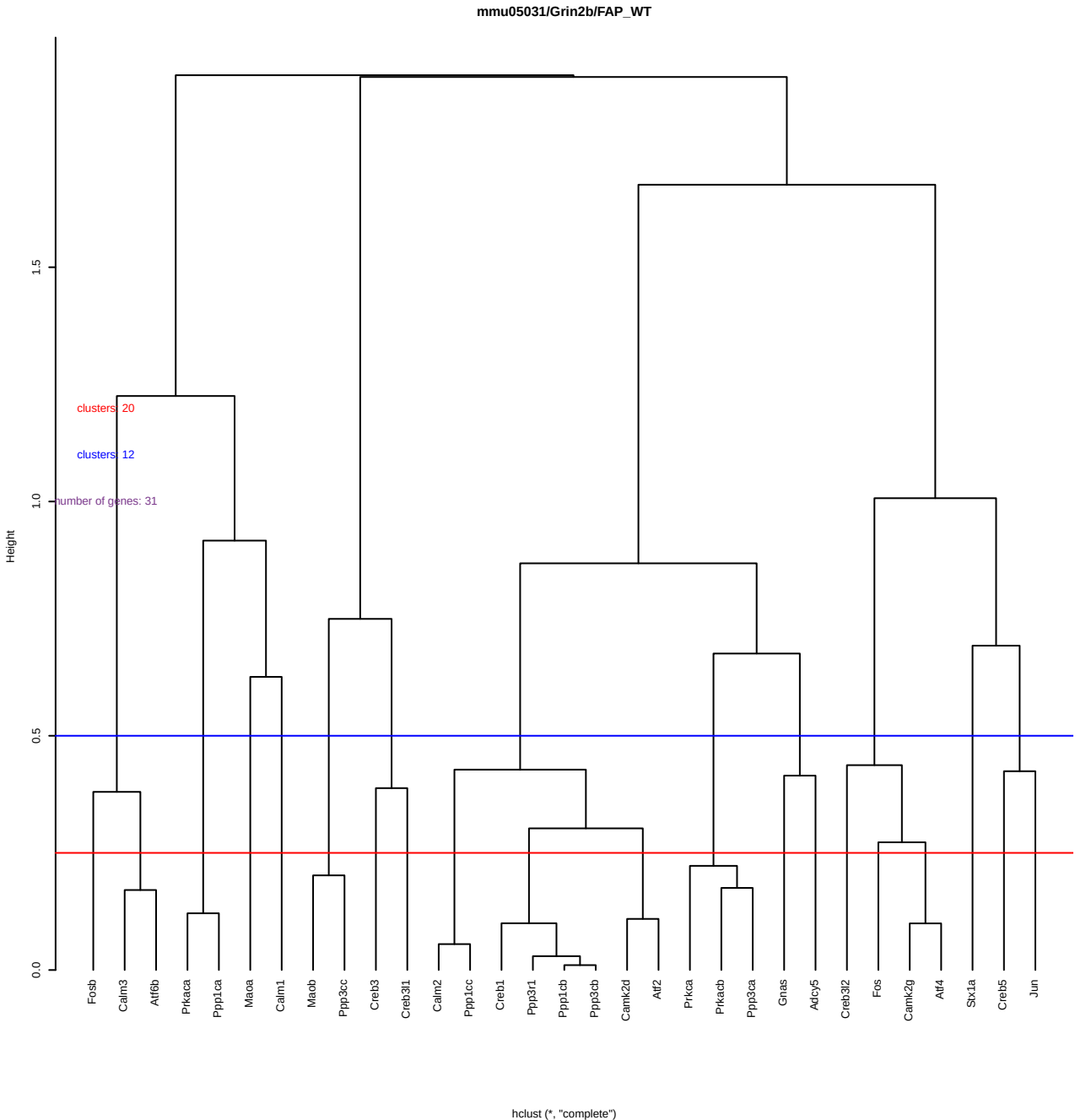

mmu05030/Grin2b/EC_KO
Height
2.0
1.5
1.0
0.5
0.0
clusters: 10
clusters: 6
number of genes: 19
Atf6b
Cdk5
Prkaca
Creb3l1
Maoa
Creb3
Gpsm1
Fosb
Rela
Jun
Gnas
Gnai2
Prkacb
Creb3l2
Nfkb1
Atf4
Atf2
Gnai3
Creb1
hclust (*, "complete")

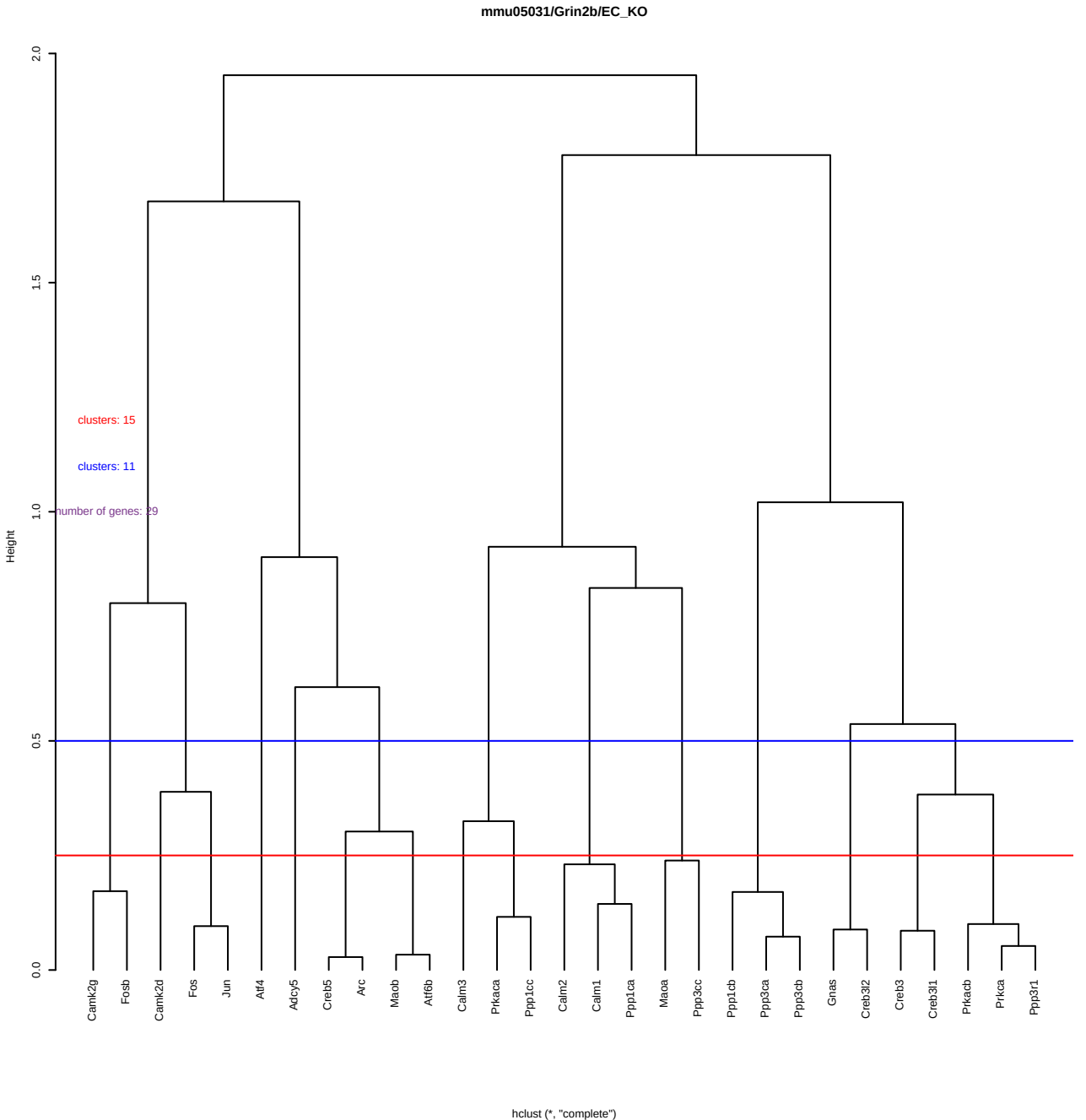

mmu05030/Grin2b/FAP_WT
Height
2.0
1.5
1.0
0.5
0.0
clusters: 15
clusters: 9
number of genes: 26
Jun
Dlg4
Gpsm1
Creb3l2
Creb5
Atf4
Nfkb1
Atf2
Gnai3
Creb1
Gnai2
Prkaca
Atf6b
Rela
Maoa
Fosb
Gnas
Adcy5
Prkacb
Maob
Creb3
Creb3l1
Cdk5
hclust (*, "complete")

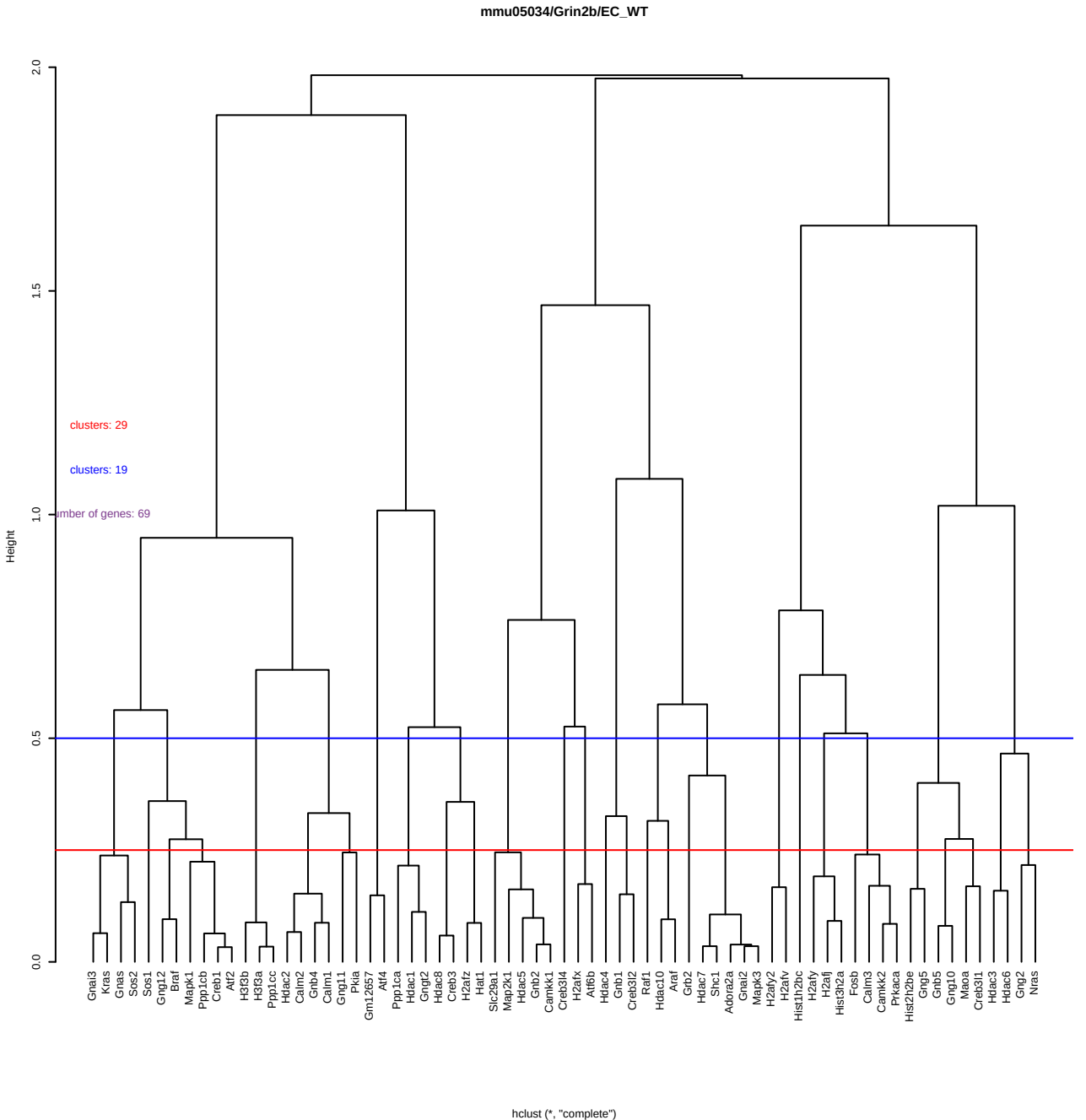

mmu05030/Grin2b/EC_KO
Height
2.0
1.5
1.0
0.5
0.0
clusters: 14
clusters: 10
number of genes: 21
Prkaca
Gnas
Creb3l2
Prkacb
Creb3
Creb3l1
Maoa
Gnai2
Gnai3
Atf4
Nfkb1
Gpsm1
Dlg4
Jun
Cdk5
Creb5
Rela
Maob
Atf6b
Adcy5
Fosb
hclust (*, "complete")

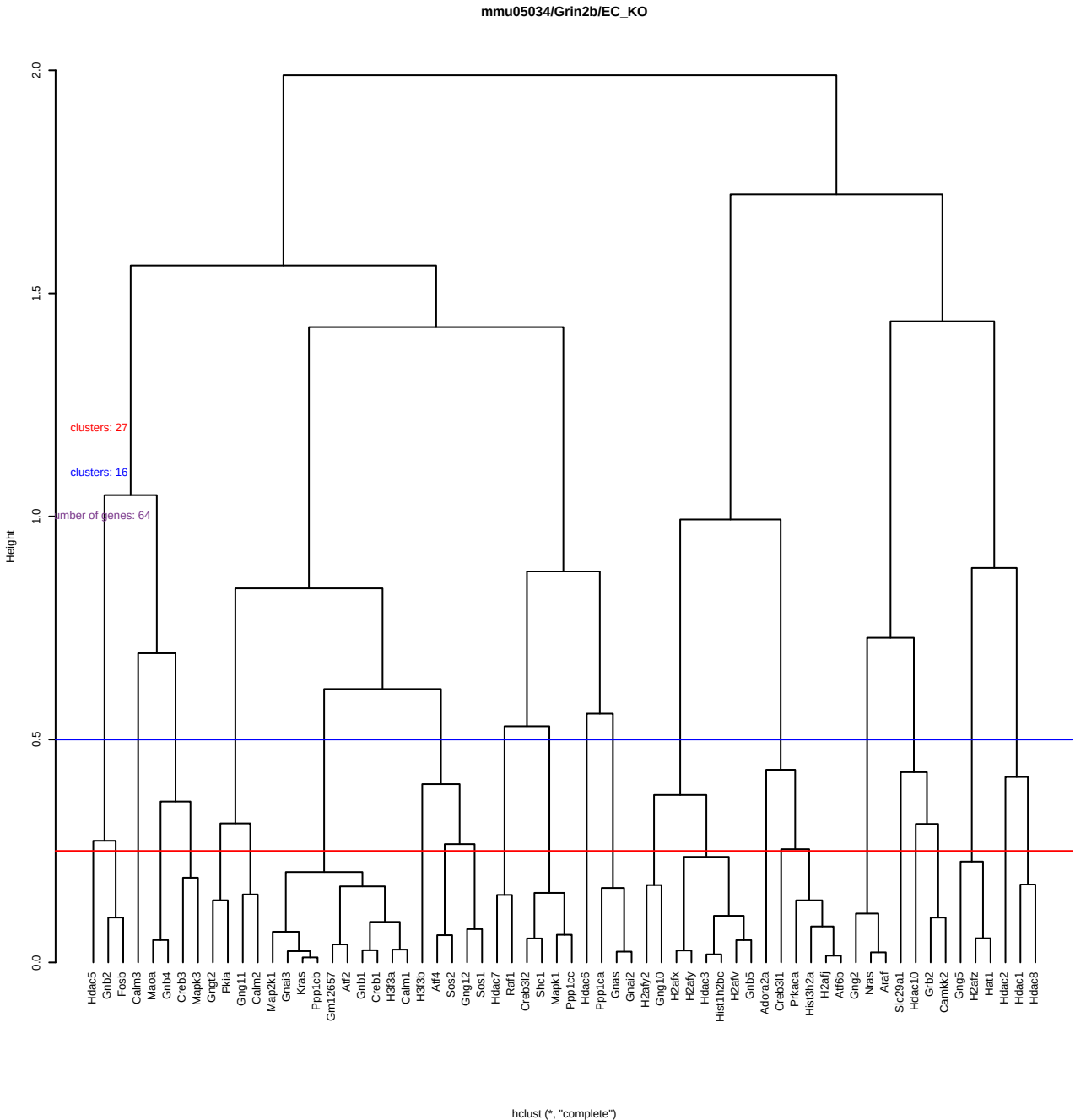

mmu05031/Grin2b/EC_WT
Height
2.0
1.5
1.0
0.5
0.0
clusters: 17
clusters: 11
number of genes: 31
Camk2g
Creb3l2
Prkacb
Ppp3ca
Prkcg
Stx1a
Jun
Calm1
Calm2
Ppp1cc
Ppp3cb
Ppp3r1
Gnas
Fos
Sirt1
Ppp1cb
Creb1
Atf2
Atf4
Arc
Creb3l4
Fosb
Atf6b
Calm3
Prkaca
Camk2d
Maoa
Creb3l1
Ppp1ca
Creb3
Ppp3cc
hclust (*, "complete")

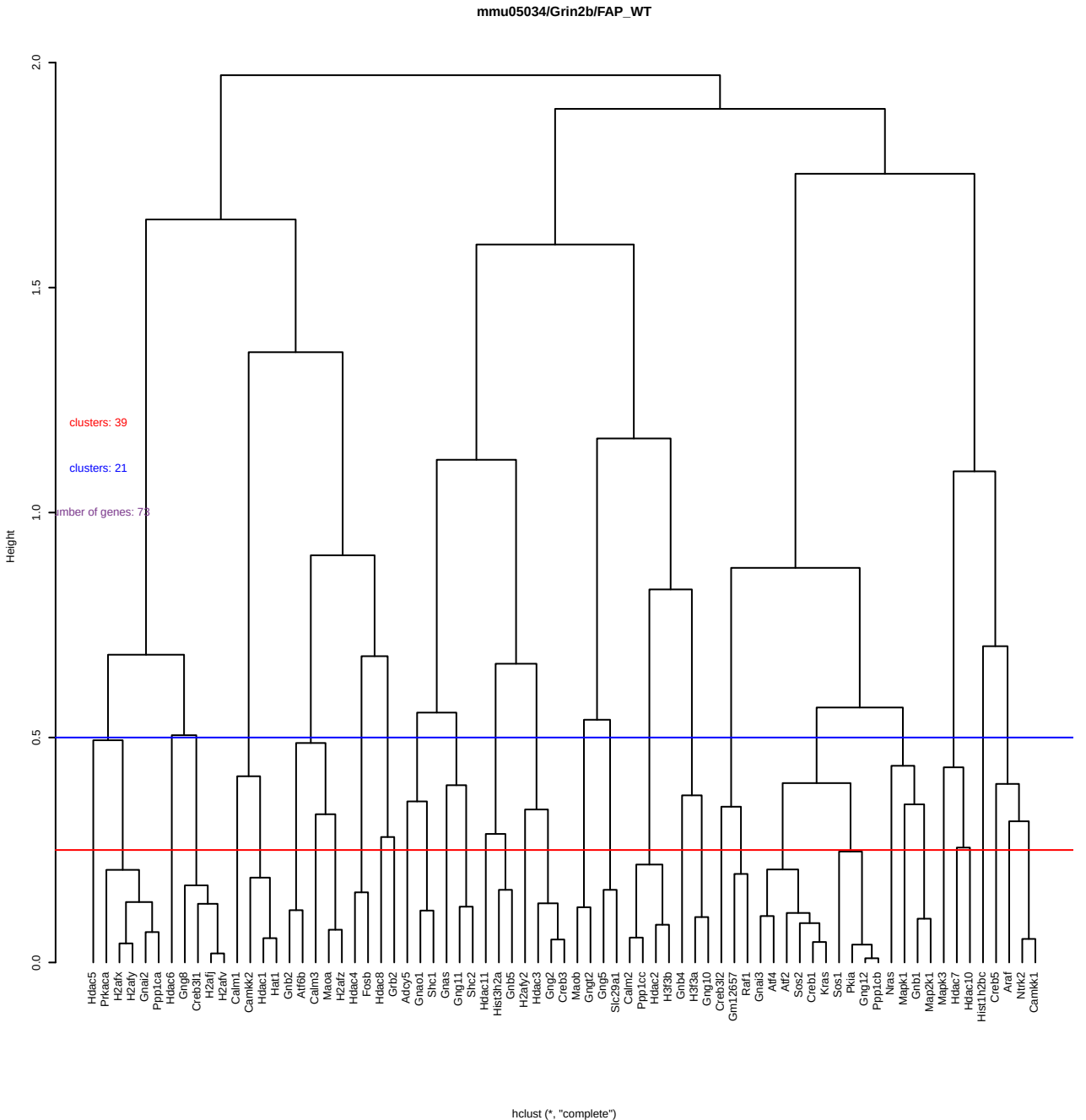

mmu05031/Grin2b/EC_KO
Height
2.0
1.5
1.0
0.5
0.0
clusters: 13
clusters: 9
number of genes: 30
Stx1a
Prkaca
Creb3l1
Atf6b
Ppp1ca
Atf2
Ppp3cc
Camk2g
Gnas
Creb3l2
Jun
Camk2d
Ppp3ca
Prkacb
Ppp1cc
Creb1
Ppp3r1
Calm1
Ppp3cb
Calm2
Ppp1cb
Arc
Fosb
Atf4
Sirt1
Prkcg
Fos
Calm3
Maoa
Creb3
hclust (*, "complete")

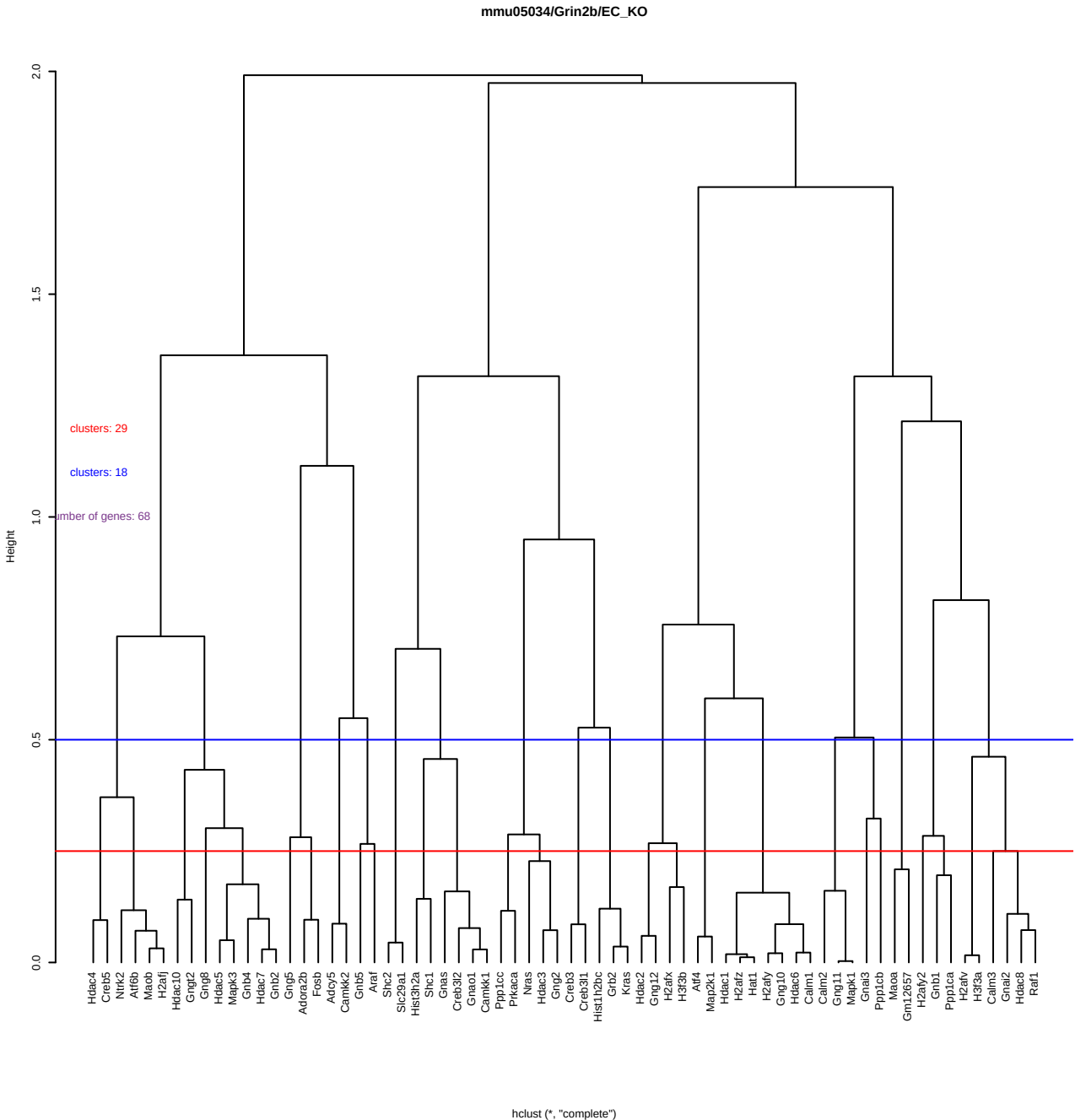

mmu05031/Grin2b/FAP_WT
Height
0.0
0.5
1.0
1.5
clusters: 20
clusters: 12
number of genes: 31
Fosb
Calm3
Atf6b
Prkaca
Ppp1ca
Maoa
Calm1
Maob
Ppp3cc
Creb3
Creb3l1
Calm2
Ppp1cc
Creb1
Ppp3r1
Ppp1cb
Ppp3cb
Camk2d
Atf2
Prkca
Prkacb
Ppp3ca
Gnas
Adcy5
Creb3l2
Fos
Camk2g
Atf4
Stx1a
Creb5
Jun
hclust (*, "complete")

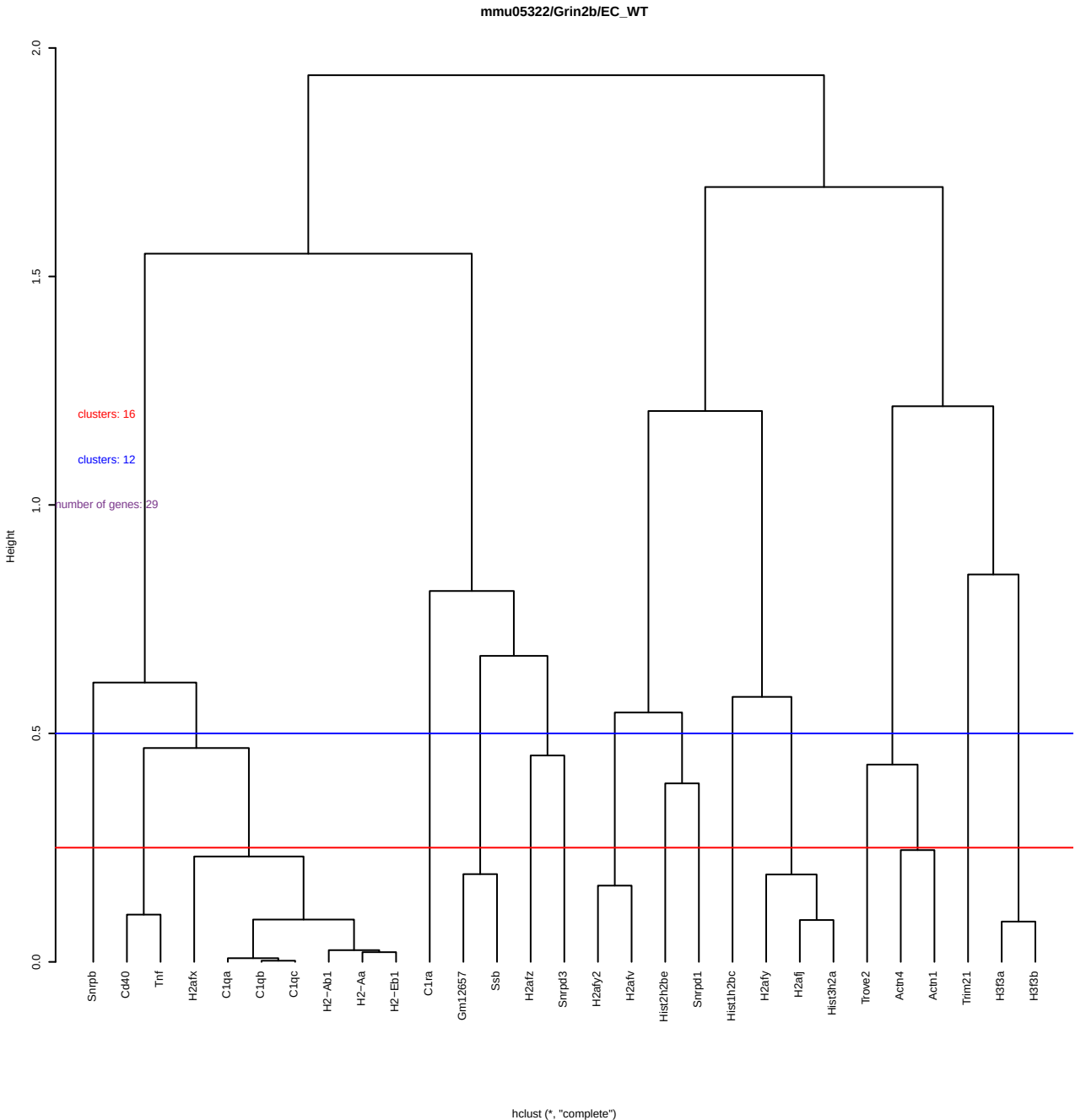

mmu05031/Grin2b/EC_KO
Height
2.0
1.5
1.0
0.5
0.0
clusters: 15
clusters: 11
number of genes: 29
Camk2g
Fosb
Camk2d
Fos
Jun
Atf4
Adcy5
Creb5
Arc
Maob
Atf6b
Calm3
Prkaca
Ppp1cc
Calm2
Calm1
Ppp1ca
Maoa
Ppp3cc
Ppp1cb
Ppp3ca
Ppp3cb
Gnas
Creb3l2
Creb3
Creb3l1
Prkacb
Prkca
Ppp3r1
hclust (*, "complete")

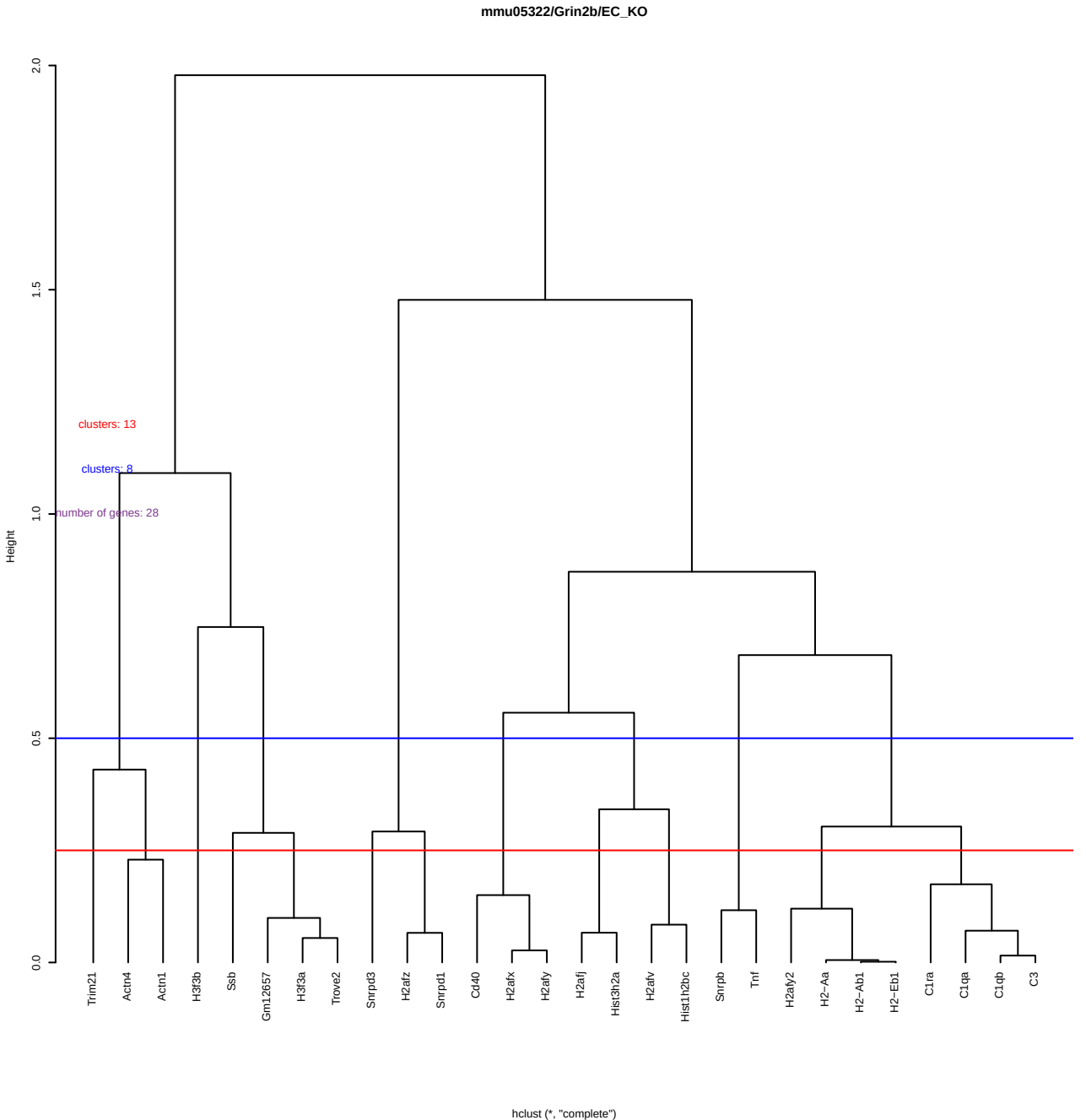

mmu05034/Grin2b/EC_WT
clusters: 29
clusters: 19
umber of genes: 69
Height
2.0
1.5
1.0
0.5
0.0
Gnai3
Kras
Gnas
Sos2
Sos1
Gng12
Braf
Mapk1
Ppp1cb
Creb1
Atf2
H3f3b
H3f3a
Ppp1cc
Hdac2
Calm2
Gnb4
Calm1
Gng11
Pkia
Gm12657
Atf4
Ppp1ca
Hdac1
Gngt2
Hdac8
Creb3
H2afz
Hat1
Slc29a1
Map2k1
Hdac5
Gnb2
Camkk1
Creb3l4
H2afx
Atf6b
Hdac4
Gnb1
Creb3l2
Raf1
Hdac10
Araf
Grb2
Hdac7
Shc1
Adora2a
Gnai2
Mapk3
H2afy2
H2afv
Hist1h2bc
H2afj
H2afy
Hist3h2a
Fosb
Calm3
Camkk2
Prkaca
Hist2h2be
Gng5
Gnb5
Gng10
Maoa
Creb3l1
Hdac3
Hdac6
Gng2
Nras
hclust (*, "complete")

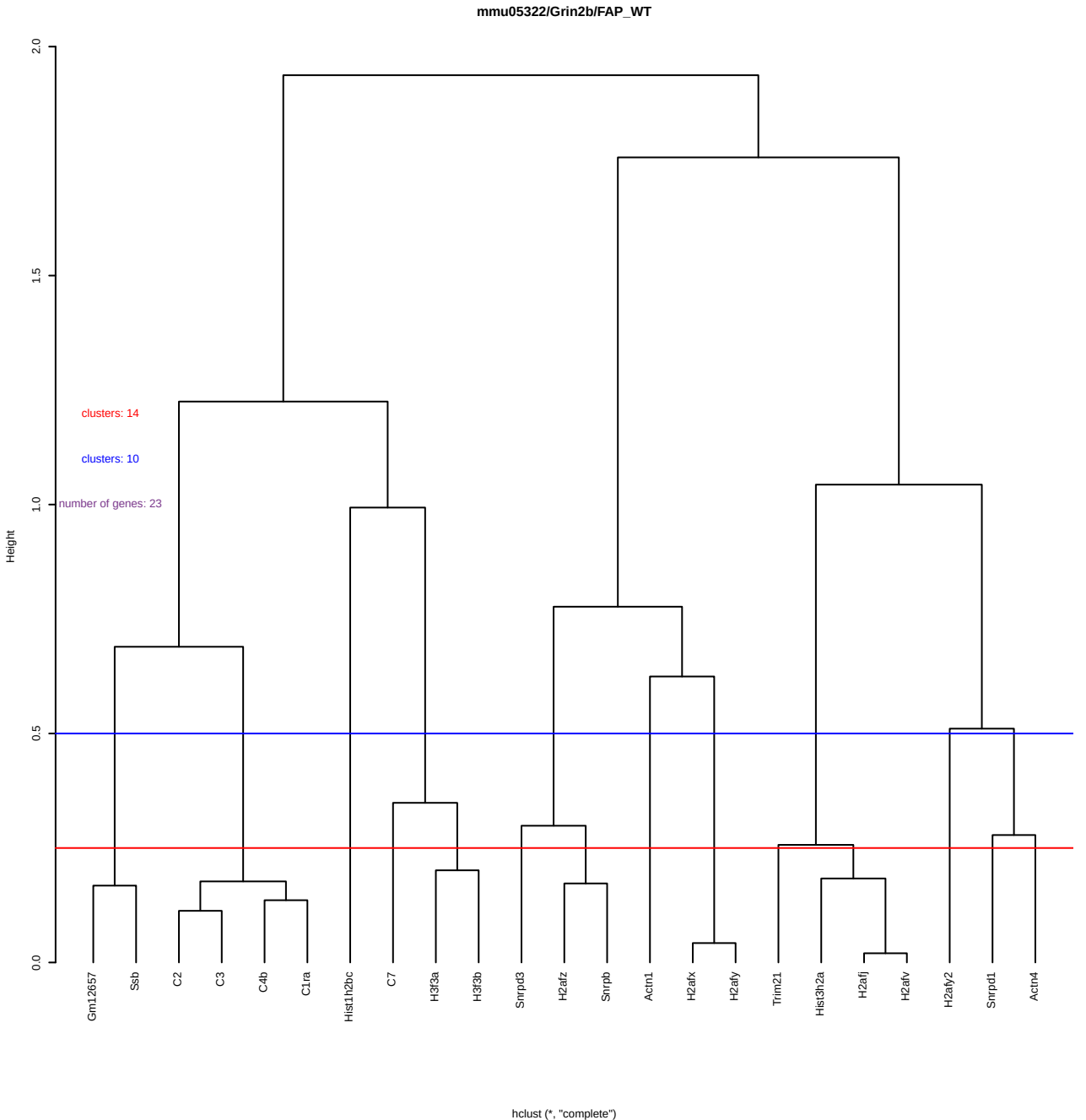

mmu05034/Grin2b/EC_KO
Height
2.0
1.5
1.0
0.5
0.0
clusters: 27
clusters: 16
umber of genes: 64
Hdac5
Gnb2
Fosb
Calm3
Maoa
Gnb4
Creb3
Mapk3
Gngt2
Pkia
Gng11
Calm2
Map2k1
Gnai3
Kras
Ppp1cb
Gm12657
Atf2
Gnb1
Creb1
H3f3a
Calm1
H3f3b
Atf4
Sos2
Gng12
Sos1
Hdac7
Raf1
Creb3l2
Shc1
Mapk1
Ppp1cc
Hdac6
Ppp1ca
Gnas
Gnai2
H2afy2
Gng10
H2afx
H2afy
Hdac3
Hist1h2bc
H2afv
Gnb5
Adora2a
Creb3l1
Prkaca
Hist3h2a
H2afj
Atf6b
Gng2
Nras
Araf
Slc29a1
Hdac10
Grb2
Camkk2
Gng5
H2afz
Hat1
Hdac2
Hdac1
Hdac8
hclust (*, "complete")

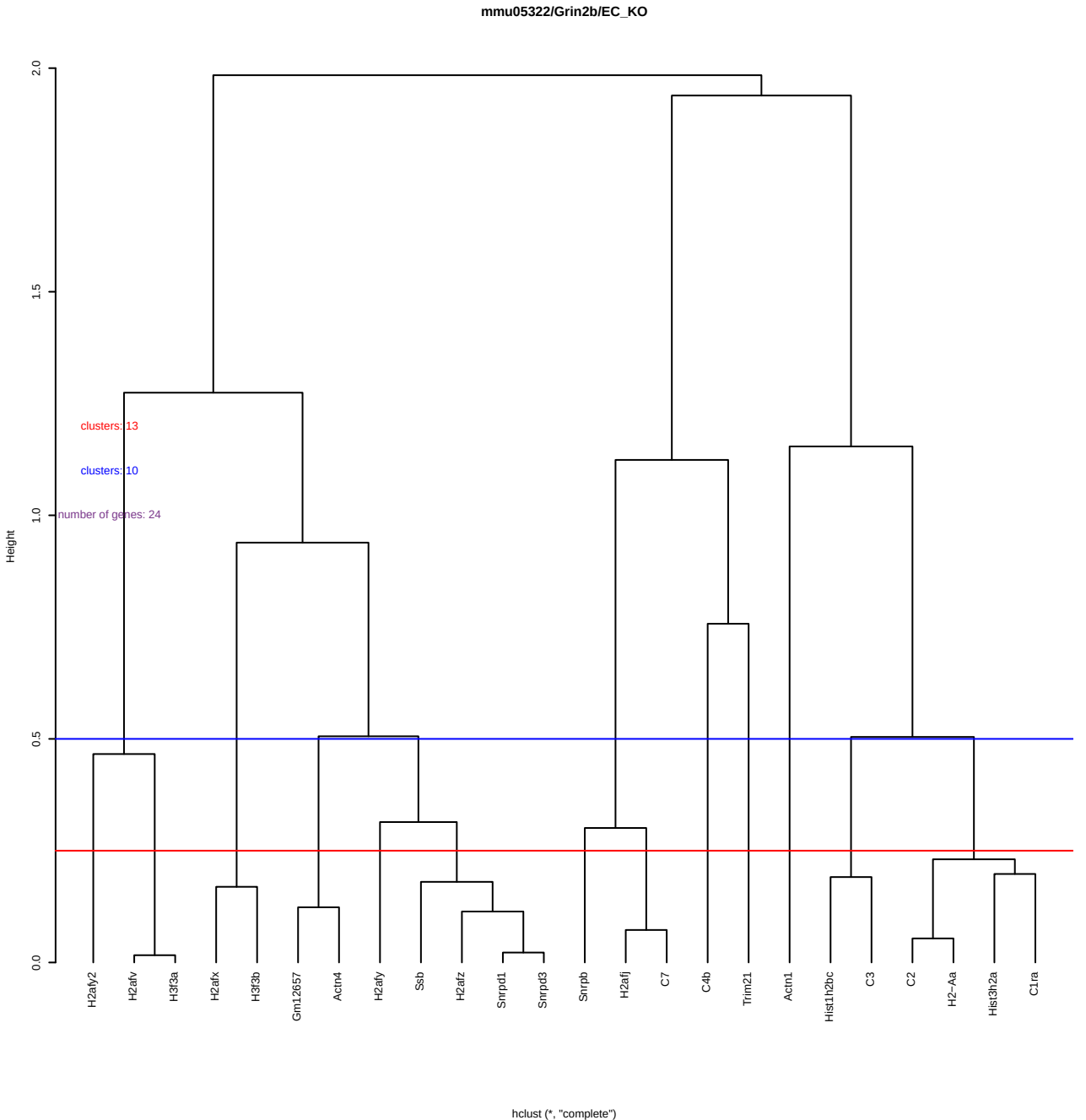

mmu05034/Grin2b/FAP_WT
Height
2.0
1.5
1.0
0.5
0.0
clusters: 39
clusters: 21
mber of genes: 73
Hdac5
Prkaca
H2afx
H2afy
Gnai2
Ppp1ca
Hdac6
Gng8
Creb3l1
H2afj
H2afv
Calm1
Camkk2
Hdac1
Hat1
Gnb2
Atf6b
Calm3
Maoa
H2afz
Hdac4
Fosb
Hdac8
Grb2
Adcy5
Gnao1
Shc1
Gnas
Gng11
Shc2
Hdac11
Hist3h2a
Gnb5
H2afy2
Hdac3
Gng2
Creb3
Maob
Gngt2
Gng5
Slc29a1
Calm2
Ppp1cc
Hdac2
H3f3b
Gnb4
H3f3a
Gng10
Creb3l2
Gm12657
Raf1
Gnai3
Atf4
Atf2
Sos2
Creb1
Kras
Sos1
Pkia
Gng12
Ppp1cb
Nras
Mapk1
Gnb1
Map2k1
Mapk3
Hdac7
Hdac10
Hist1h2bc
Creb5
Araf
Ntrk2
Camkk1
hclust (*, "complete")


mmu05034/Grin2b/EC_KO
Height
2.0
1.5
1.0
0.5
0.0
clusters: 29
clusters: 18
umber of genes: 68
Hdac4
Creb5
Ntrk2
Atf6b
Maob
H2afj
Hdac10
Gngt2
Gng8
Hdac5
Mapk3
Gnb4
Hdac7
Gnb2
Gng5
Adora2b
Fosb
Adcy5
Camkk2
Gnb5
Araf
Shc2
Slc29a1
Hist3h2a
Shc1
Gnas
Creb3l2
Gnao1
Camkk1
Ppp1cc
Prkaca
Nras
Hdac3
Gng2
Creb3
Creb3l1
Hist1h2bc
Grb2
Kras
Hdac2
Gng12
H2afx
H3f3b
Atf4
Map2k1
Hdac1
H2afz
Hat1
H2afy
Gng10
Hdac6
Calm1
Calm2
Gng11
Mapk1
Gnai3
Ppp1cb
Maoa
Gm12657
H2afy2
Gnb1
Ppp1ca
H2afv
H3f3a
Calm3
Gnai2
Hdac8
Raf1
hclust (*, "complete")


mmu05322/Grin2b/EC_WT
Height
2.0
1.5
1.0
0.5
0.0
clusters: 16
clusters: 12
number of genes: 29
Snrpb
Cd40
Tnf
H2afx
C1qa
C1qb
C1qc
H2−Ab1
H2−Aa
H2−Eb1
C1ra
Gm12657
Ssb
H2afz
Snrpd3
H2afy2
H2afv
Hist2h2be
Snrpd1
Hist1h2bc
H2afy
H2afj
Hist3h2a
Trove2
Actn4
Actn1
Trim21
H3f3a
H3f3b
hclust (*, "complete")


mmu05322/Grin2b/EC_KO
Height
2.0
1.5
1.0
0.5
0.0
clusters: 13
clusters: 8
number of genes: 28
Trim21
Actn4
Actn1
H3f3b
Ssb
Gm12657
H3f3a
Trove2
Snrpd3
H2afz
Snrpd1
Cd40
H2afx
H2afy
H2afj
Hist3h2a
H2afv
Hist1h2bc
Snrpb
Tnf
H2afy2
H2−Aa
H2−Ab1
H2−Eb1
C1ra
C1qa
C1qb
C3
hclust (*, "complete")


mmu05322/Grin2b/FAP_WT
Height
2.0
1.5
1.0
0.5
0.0
clusters: 14
clusters: 10
number of genes: 23
Gm12657
Ssb
C2
C3
C4b
C1ra
Hist1h2bc
C7
H3f3a
H3f3b
Snrpd3
H2afz
Snrpb
Actn1
H2afx
H2afy
Trim21
Hist3h2a
H2afj
H2afv
H2afy2
Snrpd1
Actn4
hclust (*, "complete")


mmu05322/Grin2b/EC_KO
Height
2.0
1.5
1.0
0.5
0.0
clusters: 13
clusters: 10
number of genes: 24
H2afy2
H2afv
H3f3a
H2afx
H3f3b
Gm12657
Actr4
H2afy
Ssb
H2afz
Snrpd1
Snrpd3
Snrpb
H2afj
C7
C4b
Trim21
Actn1
Hist1h2bc
C3
C2
H2−Aa
Hist3h2a
C1ra
hclust (*, "complete")