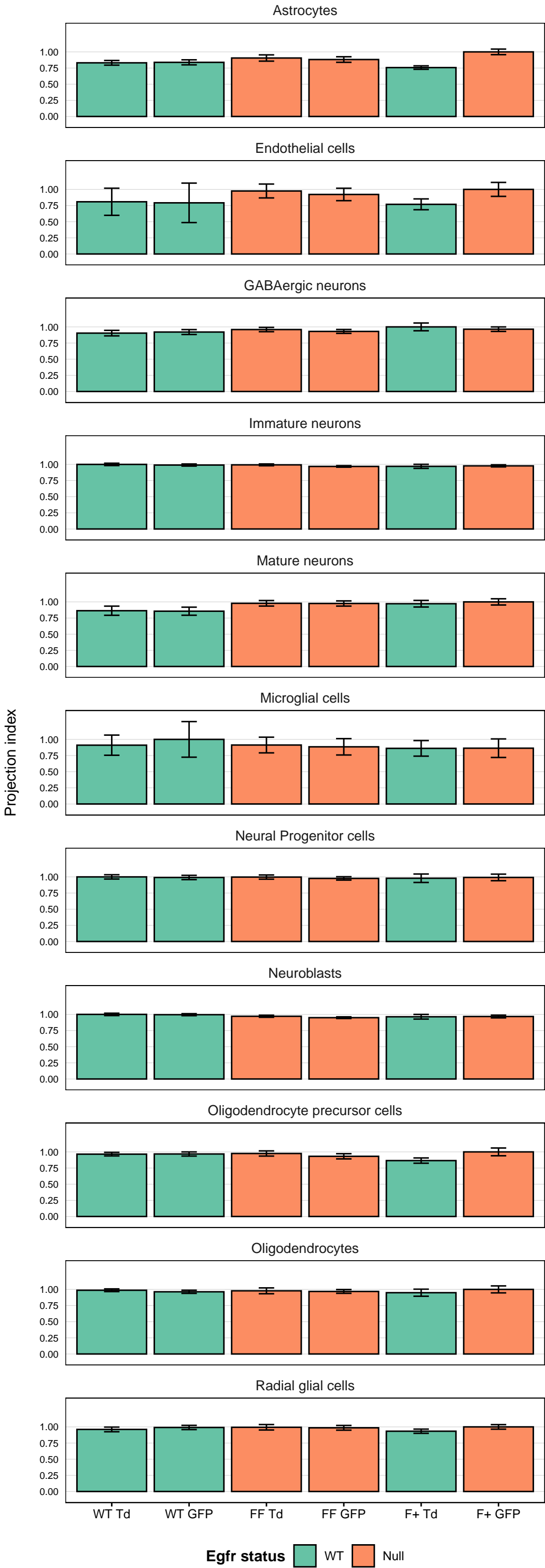
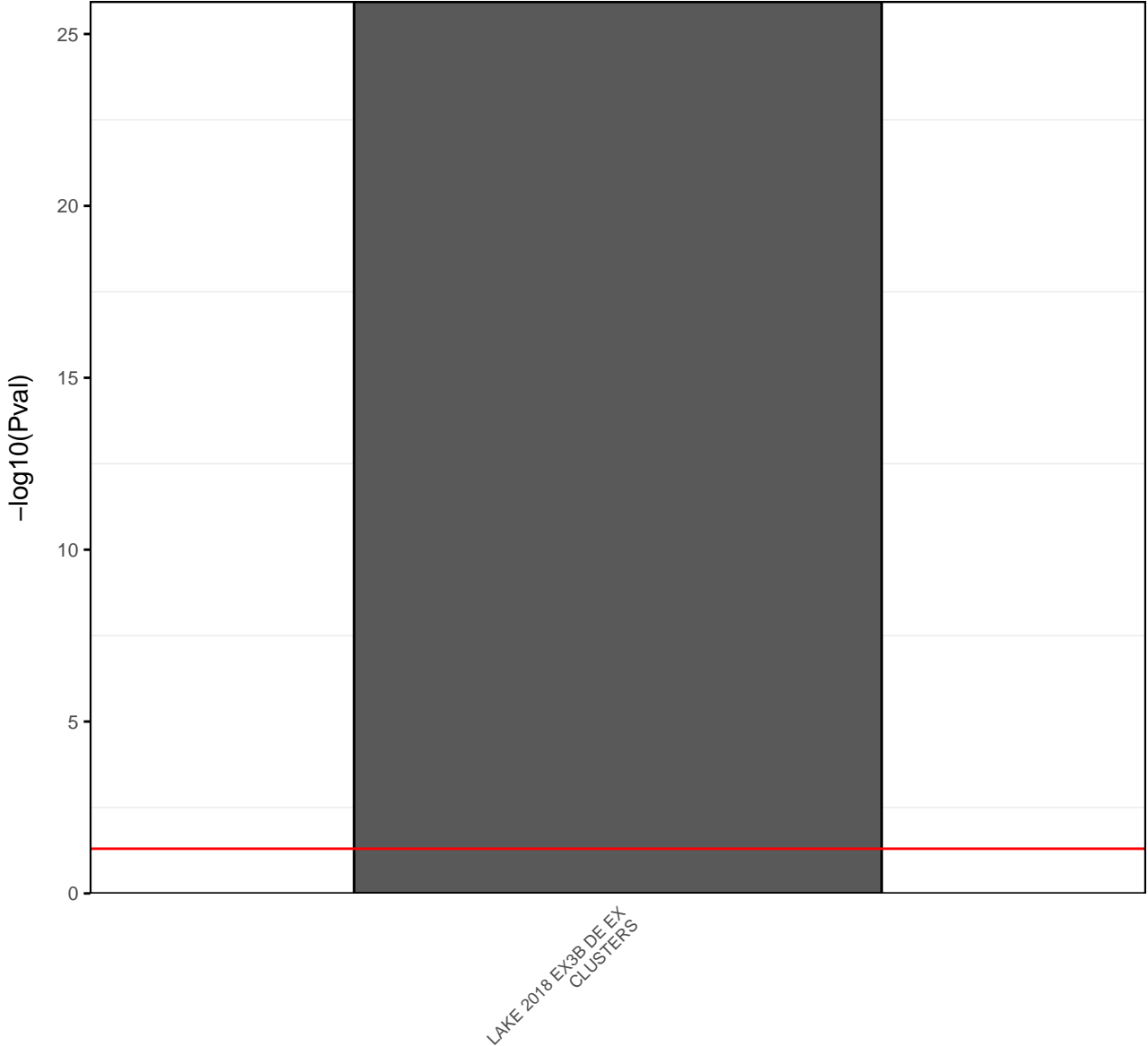


turquoise module
Top 100 by kME
Bicor-None_signum0.577_minSize20_merge_ME_0.85_18566



Top genes by kME

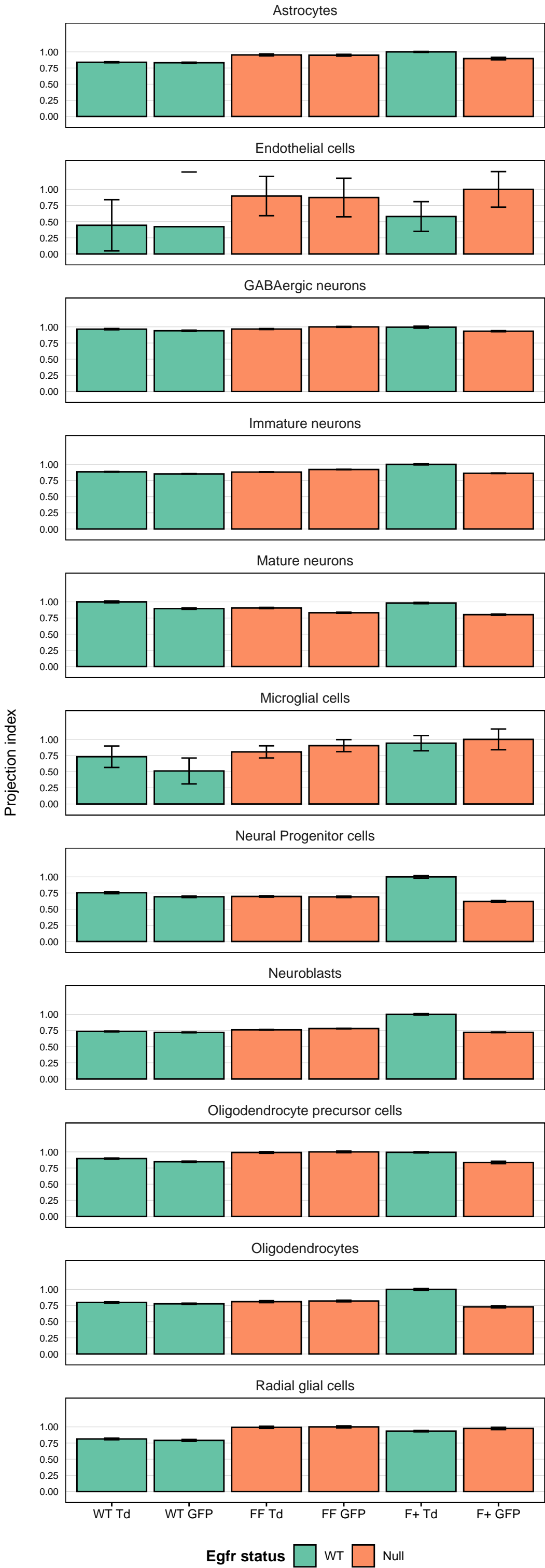
Dhrs7b
Seph2
Trap1
Ndufs2
Chst10
Bap1
Adh5
Nipsnap1
Copz1
Tpi1
Galk2
Amz2
Timm29
Selenof
Vps45
Prpf19
Ei24
Ociad1
Ubb
Nap114



yellow module

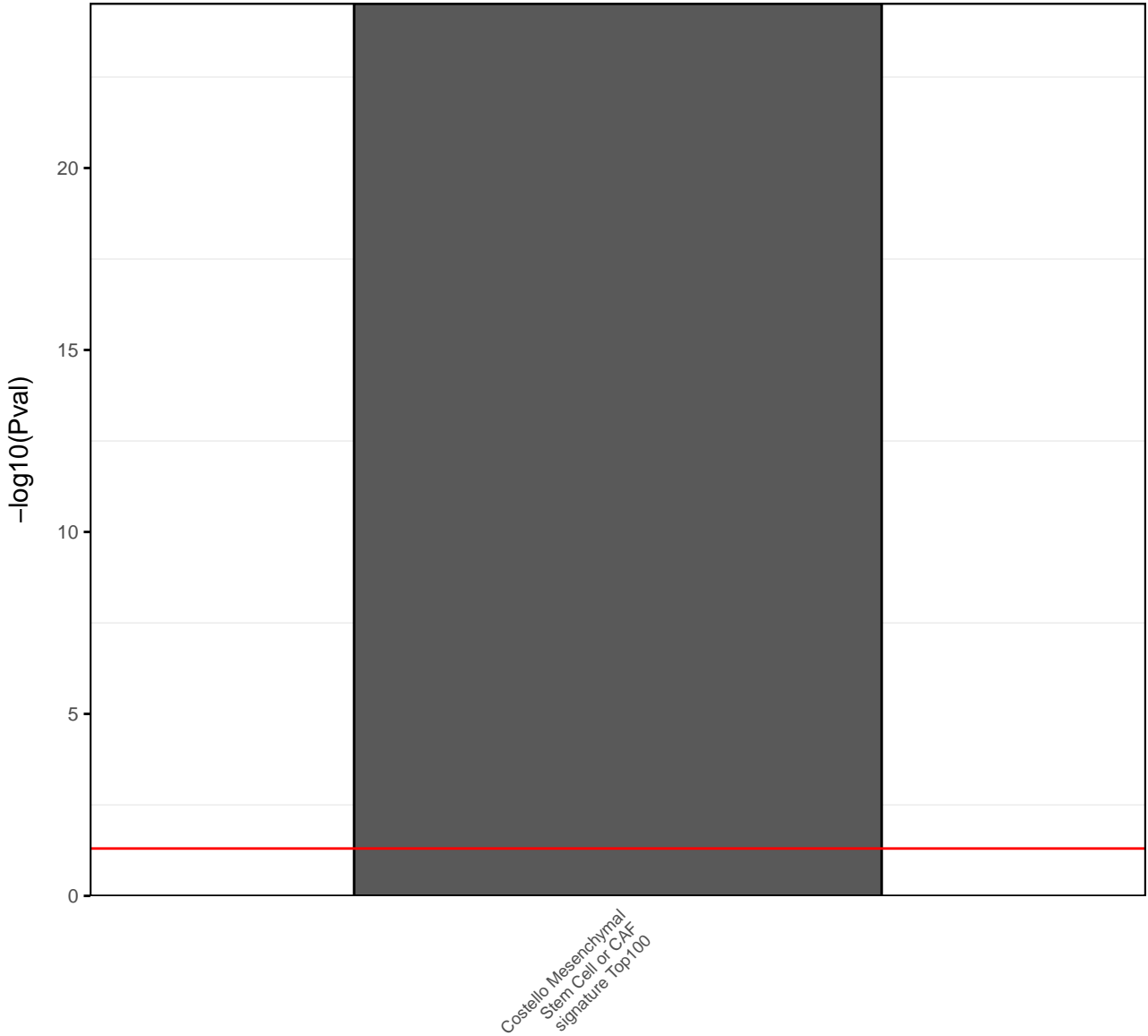
Top 100 by kME

Bicor-None_signum0.577_minSize20_merge_ME_0.85_18566

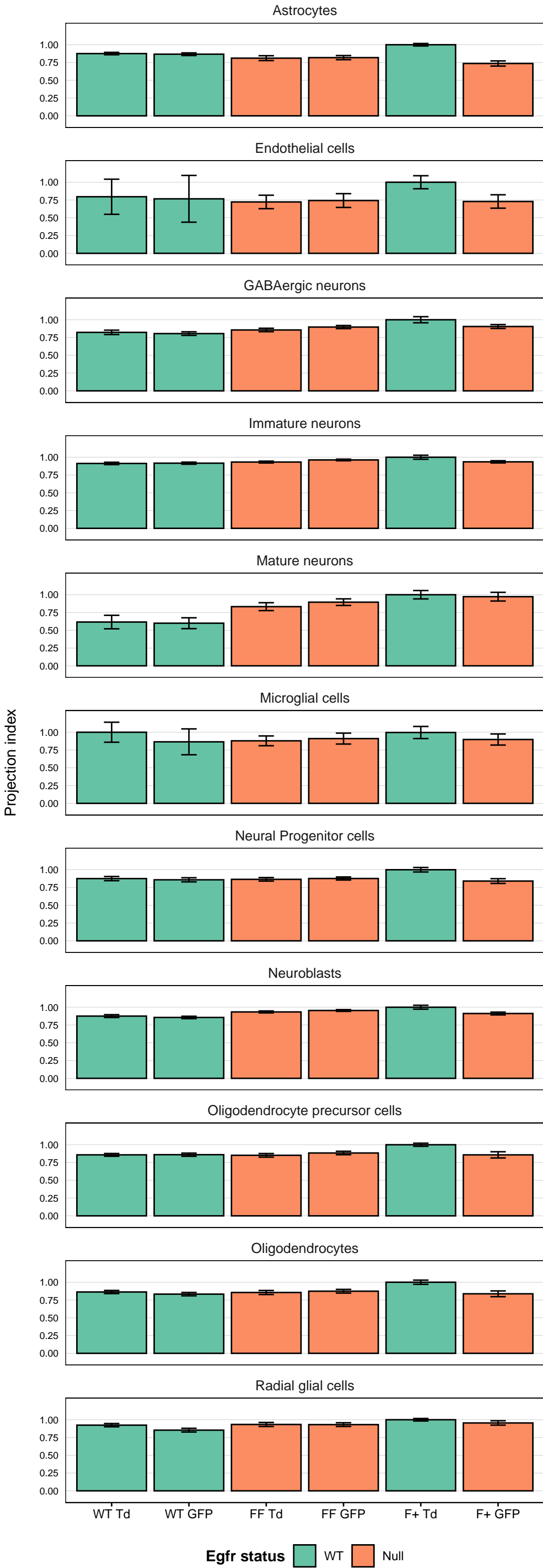


Top genes by kME

Gm11961
1700001K19Rik
Gm12381
Gm20476
Gm34804
Gm47771
Gm48678
Gm36172
Fam50b
Gm17225
Gm16230
Ribc2
Cidec
AU017674
Gm11670
Gm31819
Lrp2bp
Gm16341
Iqcm
Sycp3

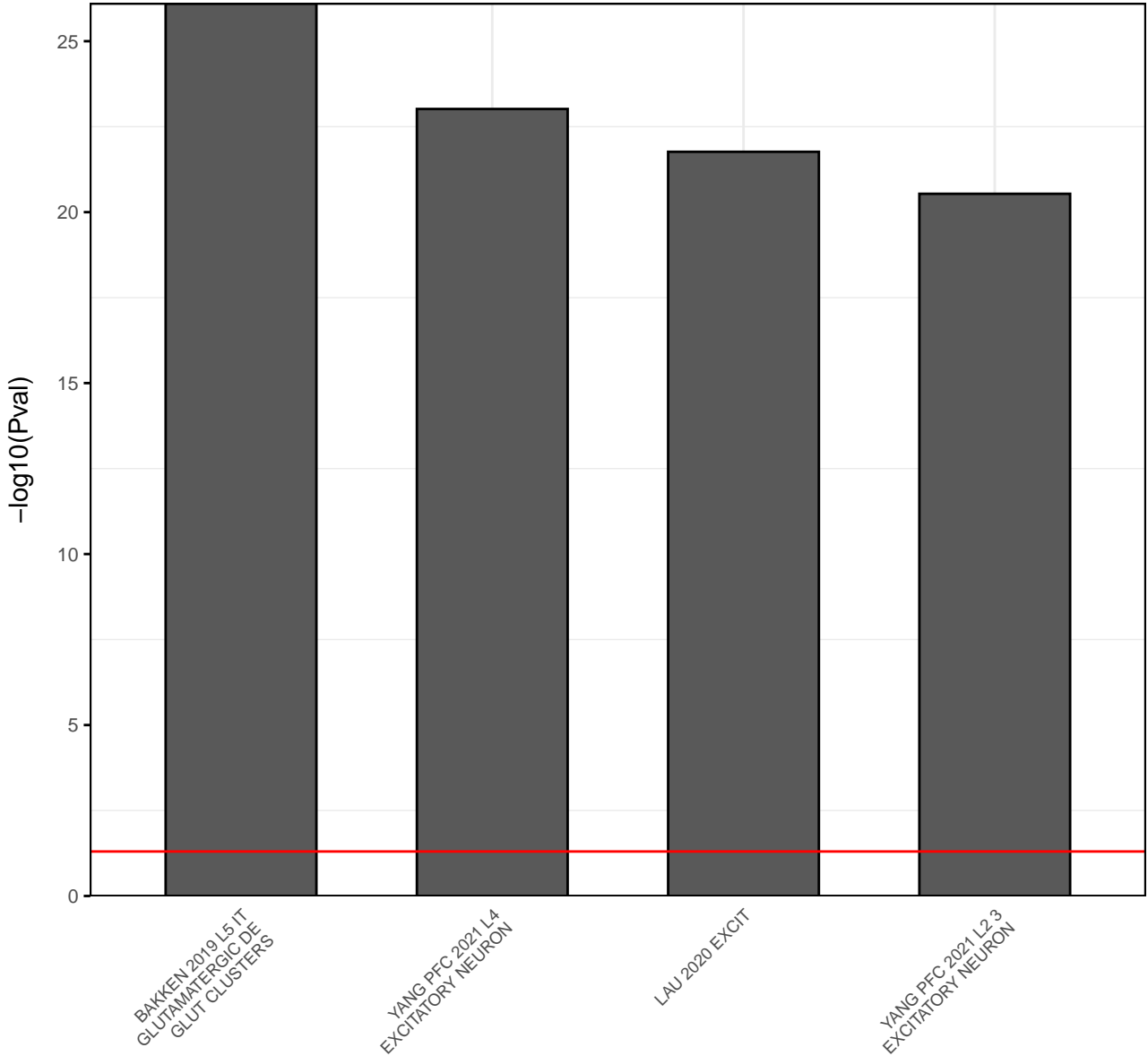


darkred module
Top 100 by kME
Bicor-None_signum0.643_minSize20_merge_ME_0.85_18566



Top genes by kME

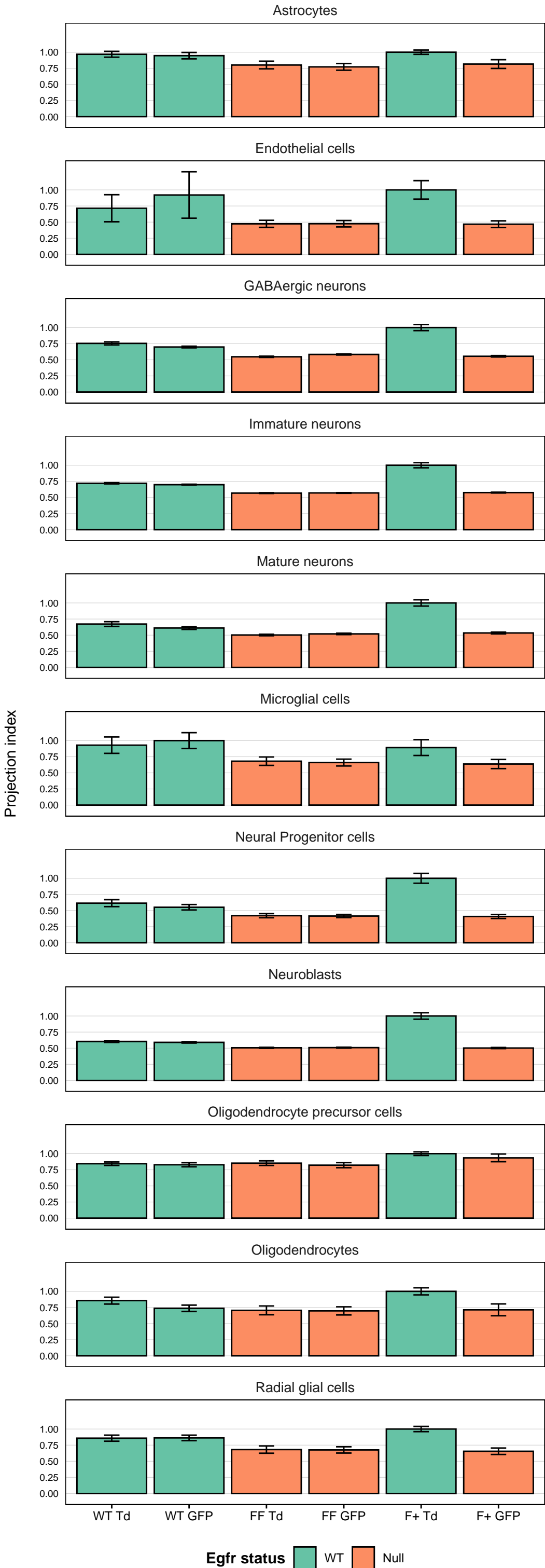
Cadm2
Kcnh1
Agtpbp1
Fhod3
Sorcs1
Pdzd2
Tspan5
Ldlrad4
Plcxd2
Klhl1
Mtcl1
Pik3r1
Frmpd4
Ephx4
9130227L01Rik
Kcnh5
Kcnn1
Rgs6
Ipcef1
Akap7



tan module

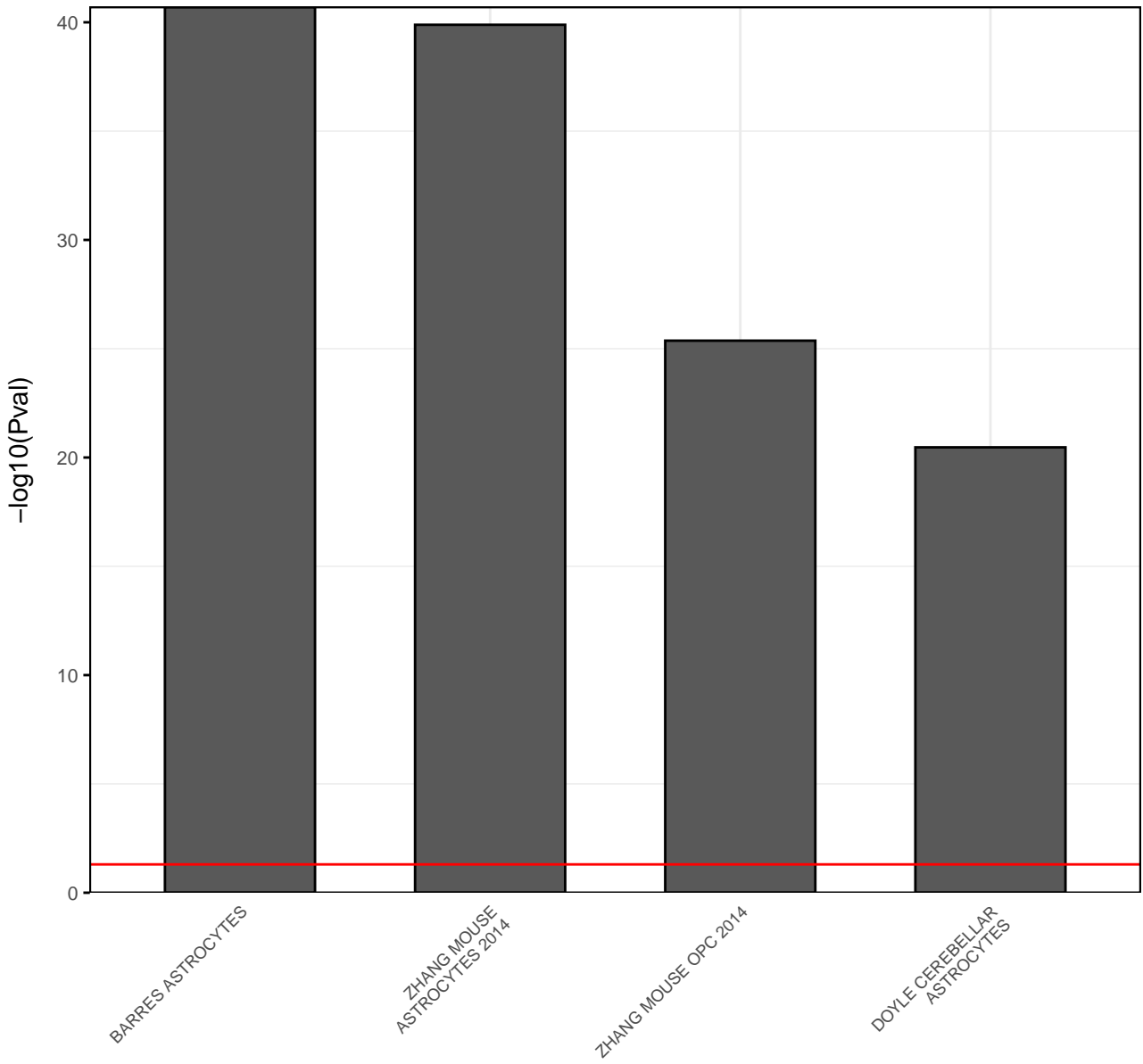
Top 100 by kME

Bicor=None_signum0.643_minSize20_merge_ME_0.85_18566

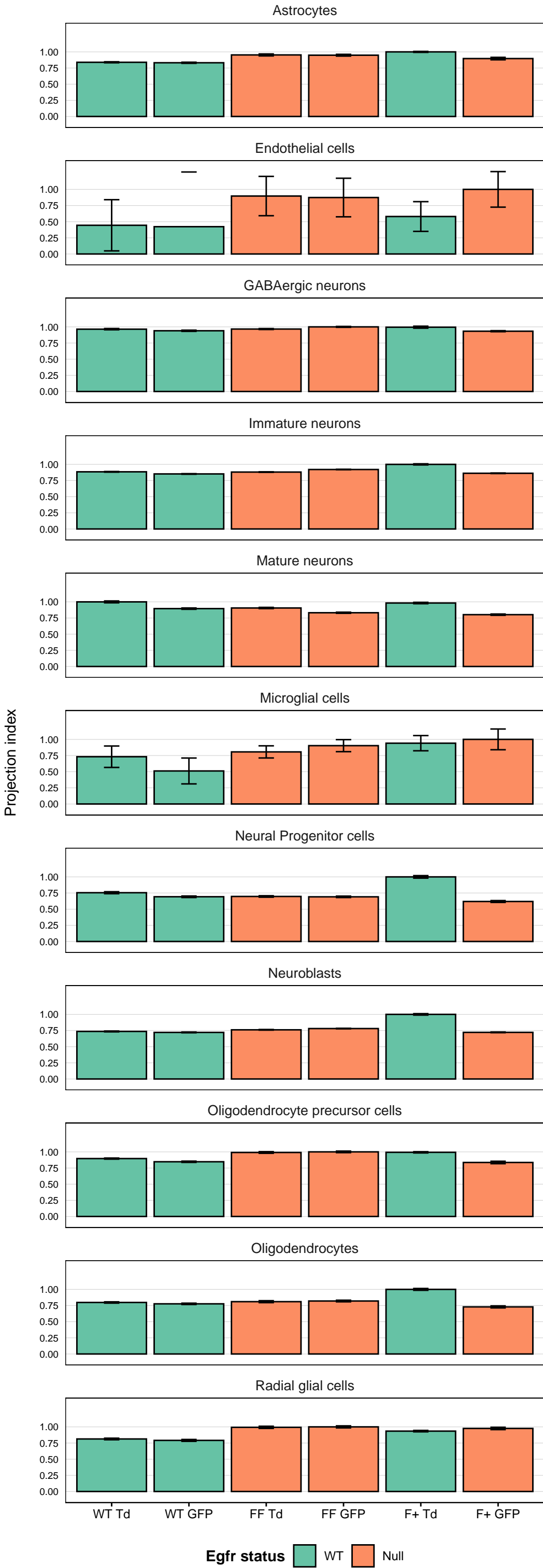


Top genes by kME

Scd1
Aldh1l1
Slc7a10
Fgf1
Sox8
Cnp
Tmem229a
AW047730
Apln
Acsbg1
Gpr37l1
Timp4
Olig1
Hey1
Slc6a11
Ephx2
Ttpa
S100a16
Paqr7
Atp13a4

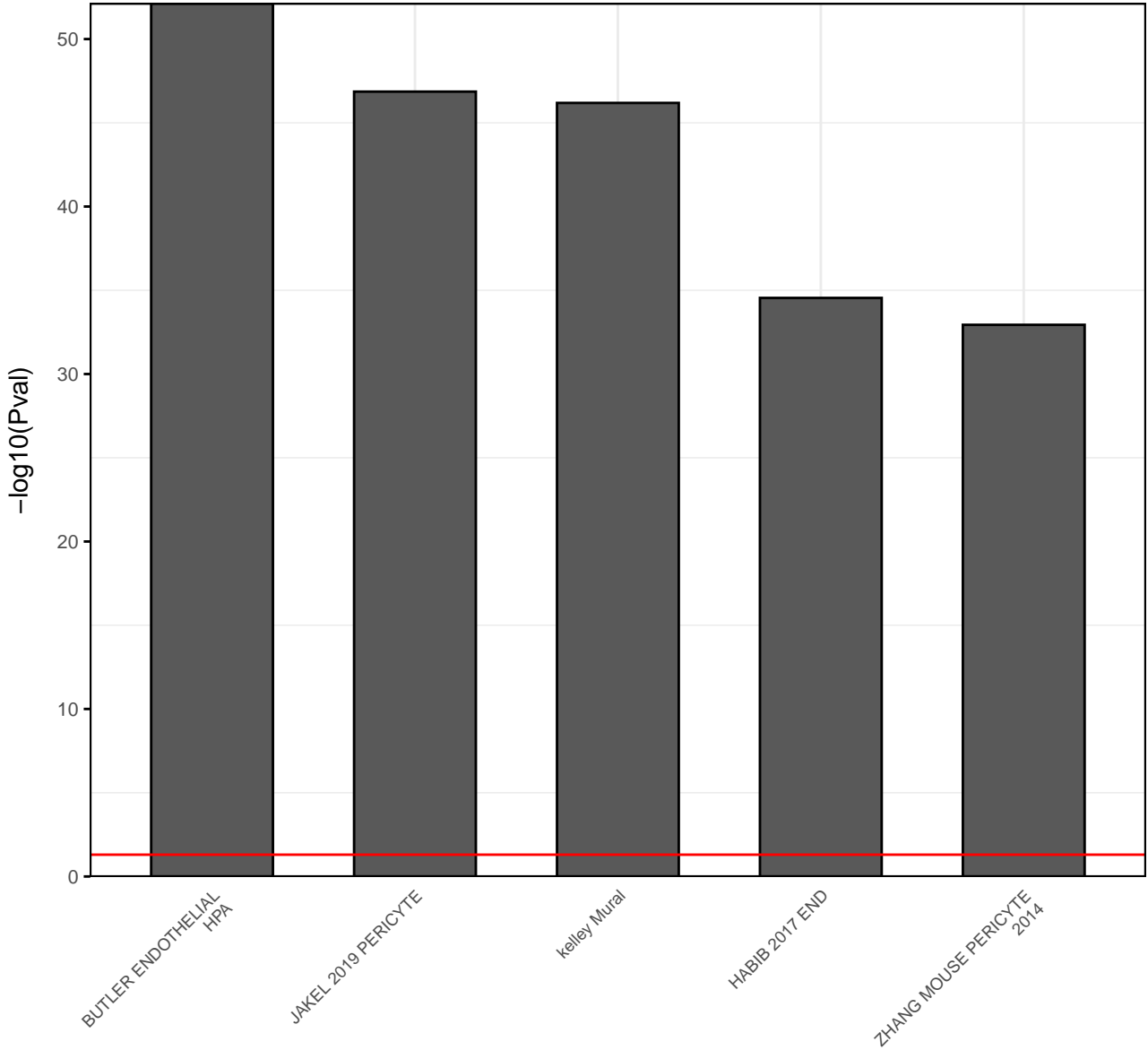


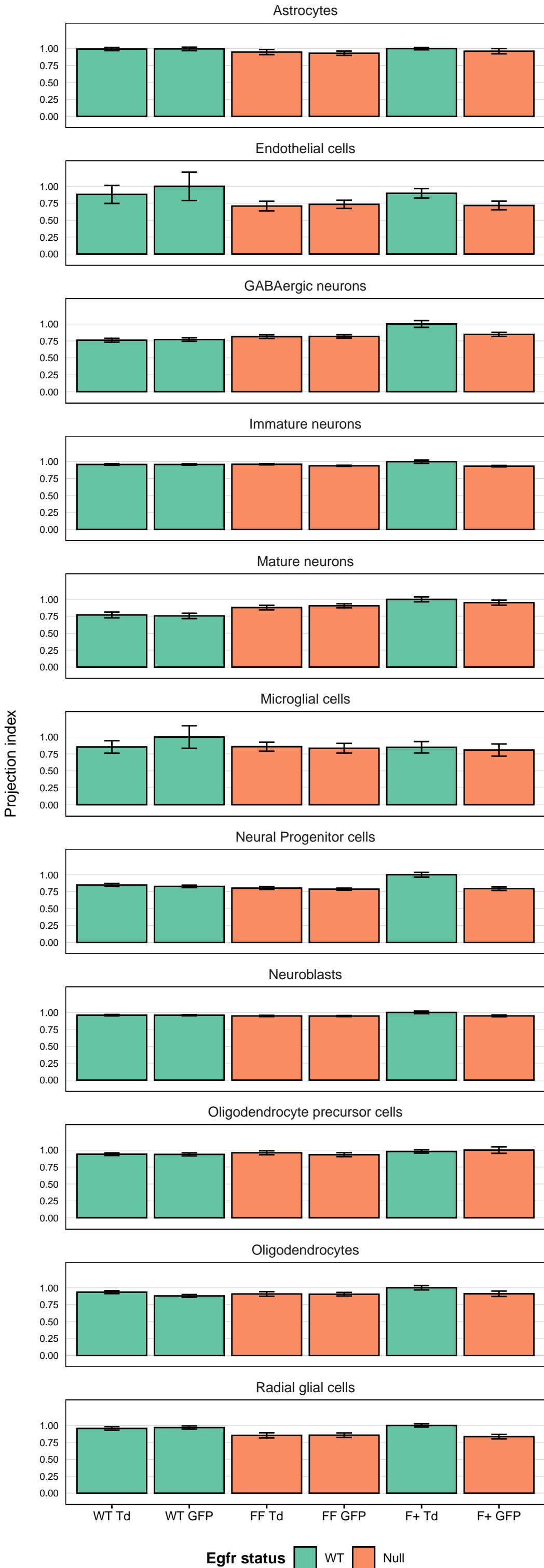
yellow module
Top 100 by kME
Bicor-None_signum0.607_minSize20_merge_ME_0.85_18566



Top genes by kME

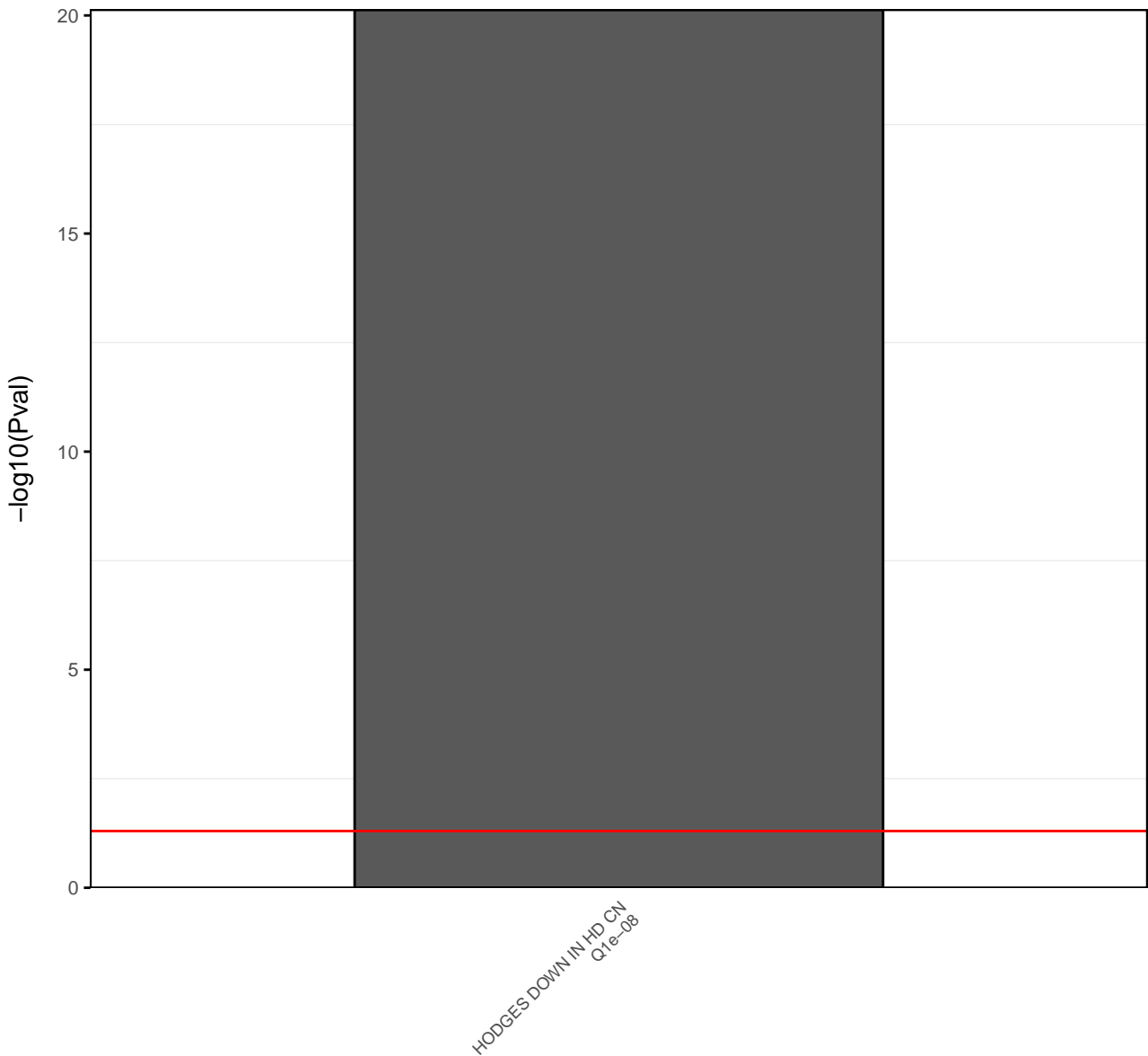
Spaca7
4930447A16Rik
2900092C05Rik
Sult3a1
Gm10800
4930533B01Rik
Gm12092
Gm13842
2210414B05Rik
4930555B11Rik
Gm15046
Gm11739
Gm16555
Vmn2r82
Gm26724
Gm27187
Gm45720
Gm35041
Gm48617
4930415C11Rik

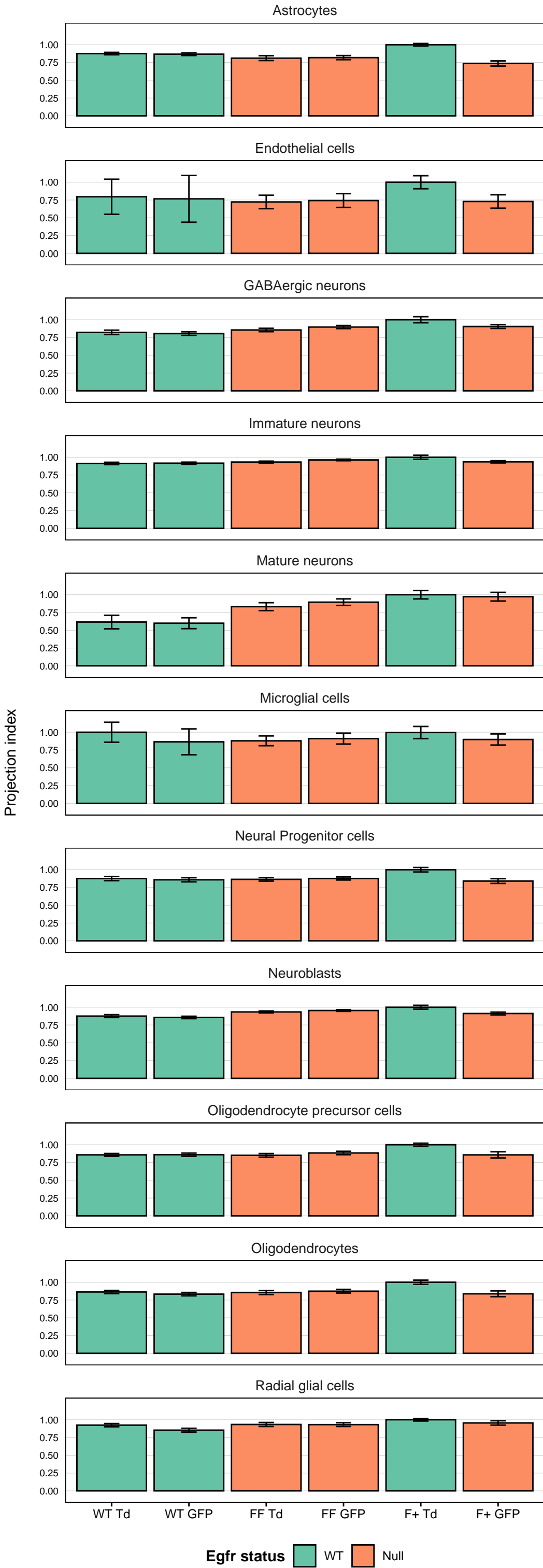




Top genes by kME

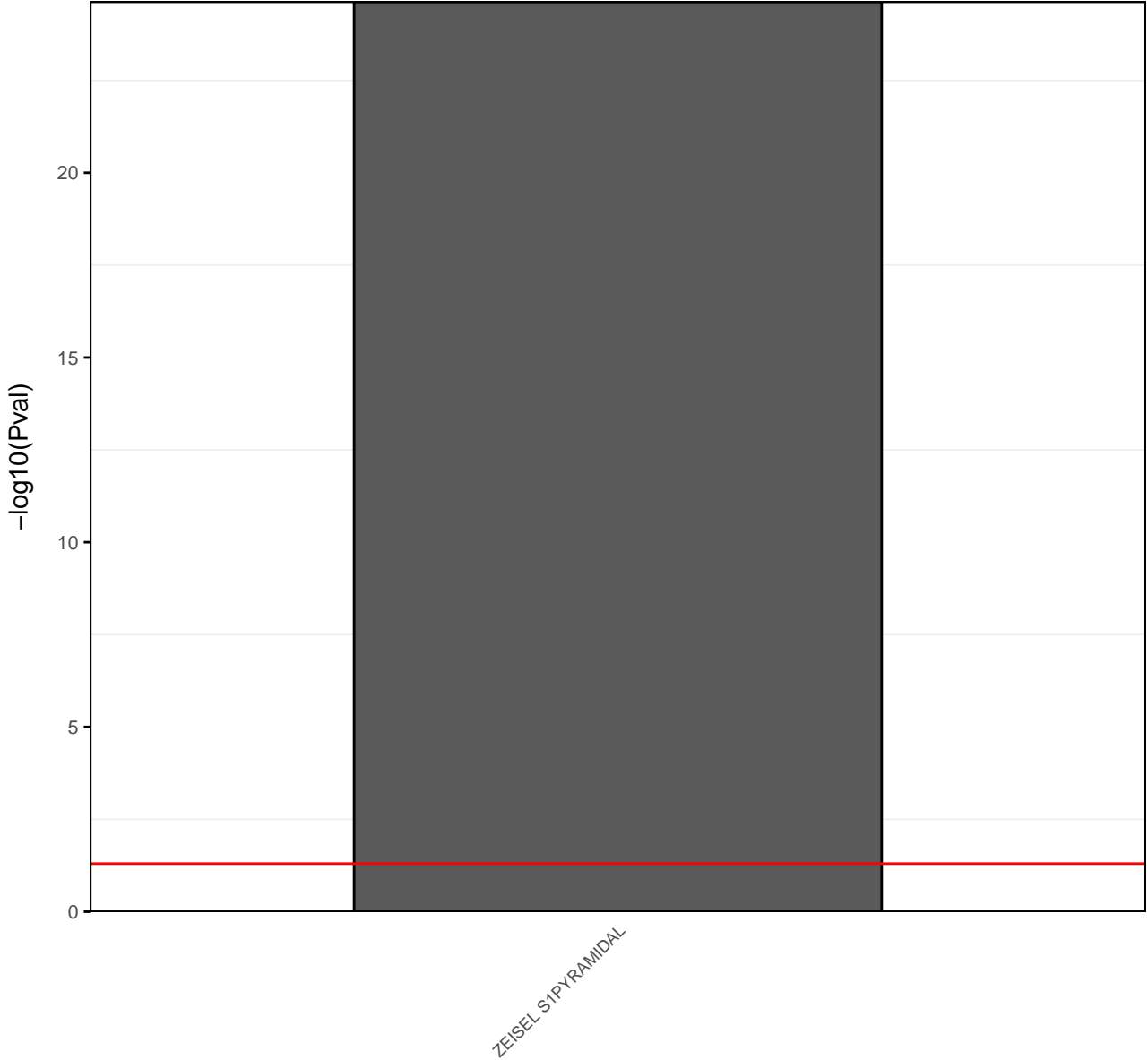
Abcb9
Paqr7
Foxk2
Dhx29
Ado
Eno2
Impdh1
Reep2
Acsl6
9330102E08Rik
Adamtsl2
Trmt61a
Coro7
Scarb1
Rnd1
Dnlz
Tecpr1
Fam43b
Rab31
Kcna6



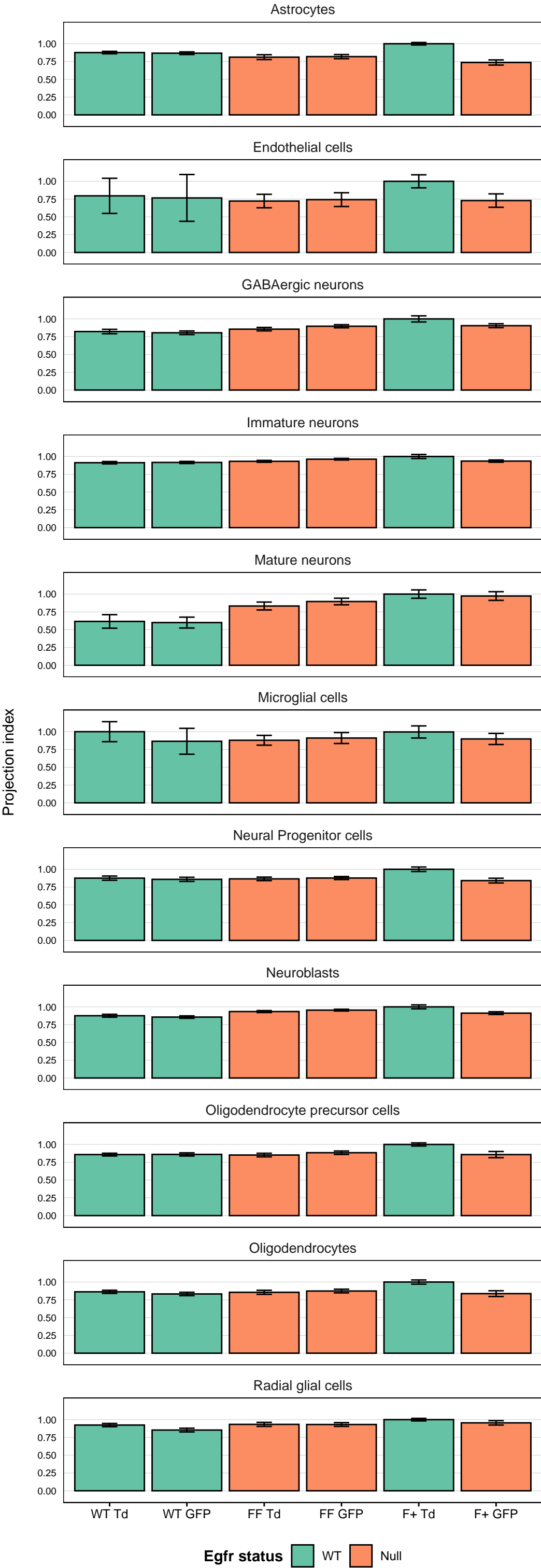


Top genes by kME

Cadm2
Kcnh1
Agtpbp1
Fhod3
Sorcs1
Pdzd2
Tspan5
Ldlrad4
Plcx2
Klhl1
Mtcl1
Pik3r1
Frmpd4
Ephx4
9130227L01Rik
Kcnh5
Kcnn1
Rgs6
Ipcef1
Akap7

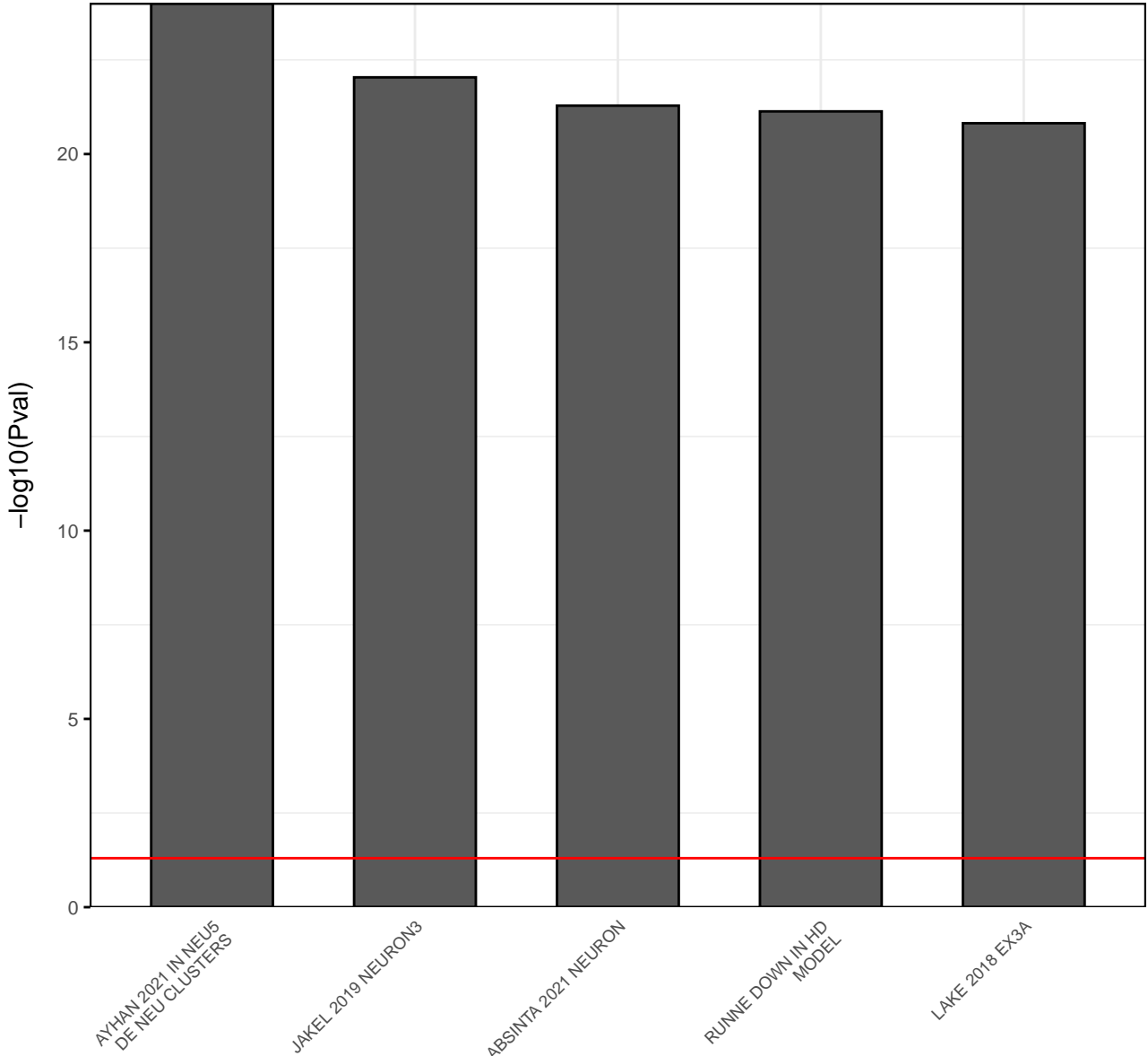


lightcyan module
Top 100 by kME
Bicor-None_signum0.69_minSize20_merge_ME_0.85_18566



Top genes by kME

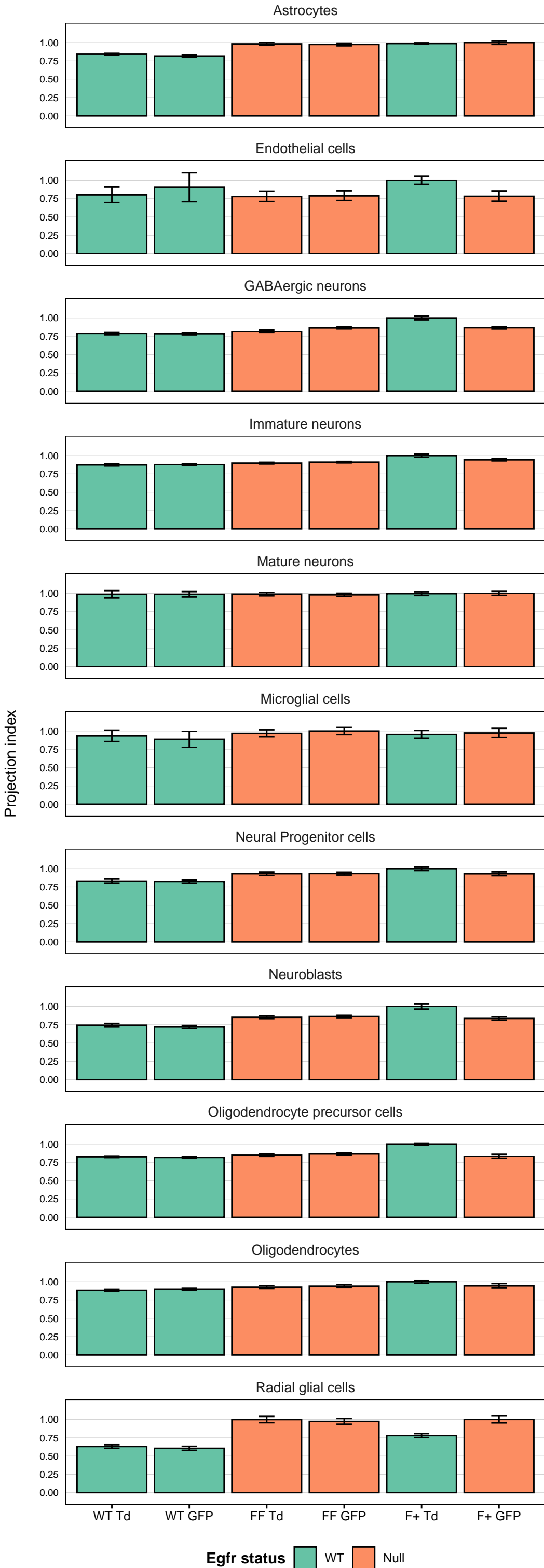
Cadm2
Kcnh1
Agtpbp1
Fhod3
Sorcs1
Pdzd2
Tspan5
Ldlrad4
Plcxd2
Klhl1
Mtcl1
Pik3r1
Frmpd4
Ephx4
9130227L01Rik
Kcnh5
Kcnn1
Rgs6
Ipcef1
Akap7



purple module

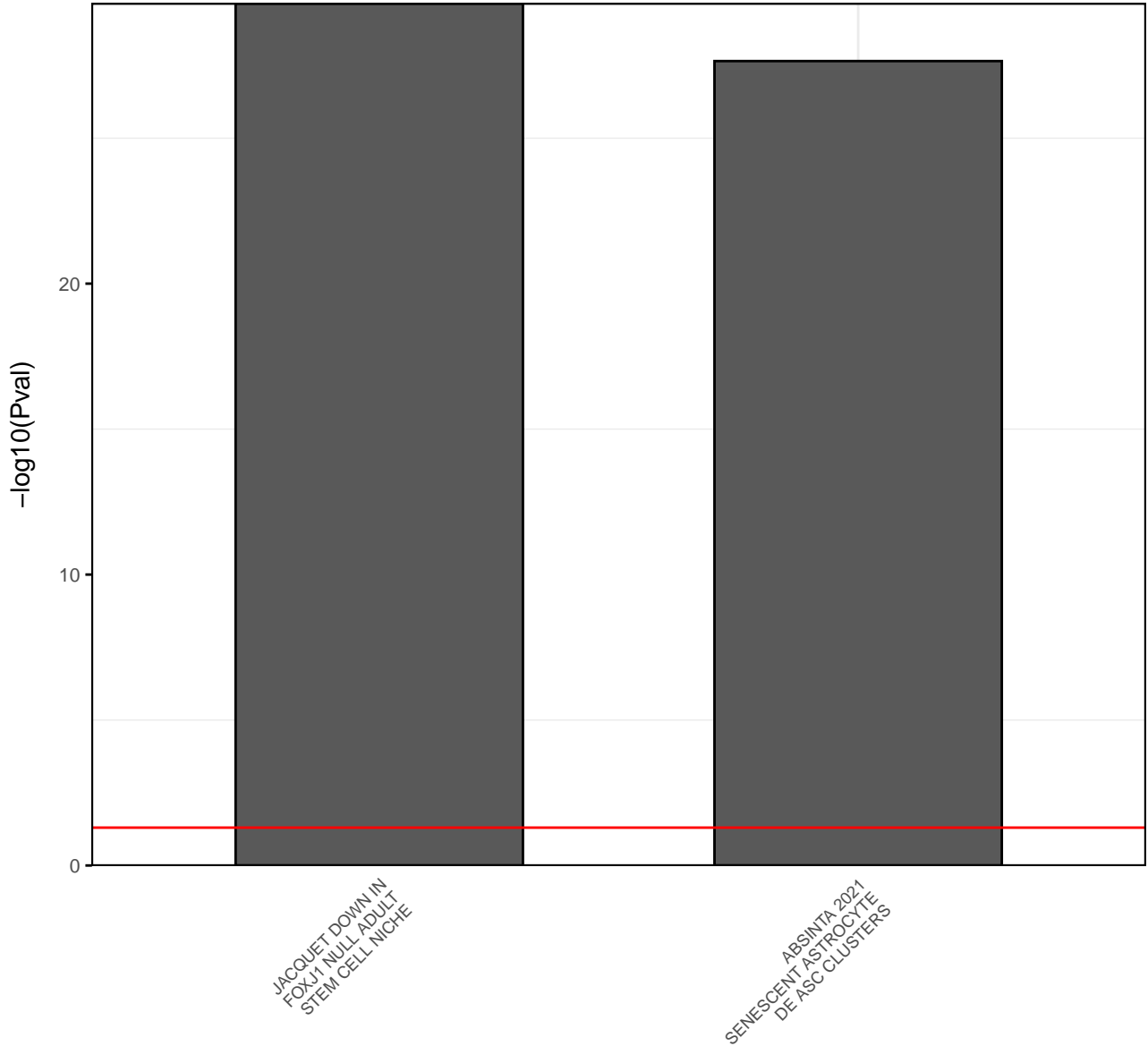
Top 100 by kME

Bicor-None_signum0.69_minSize20_merge_ME_0.85_18566



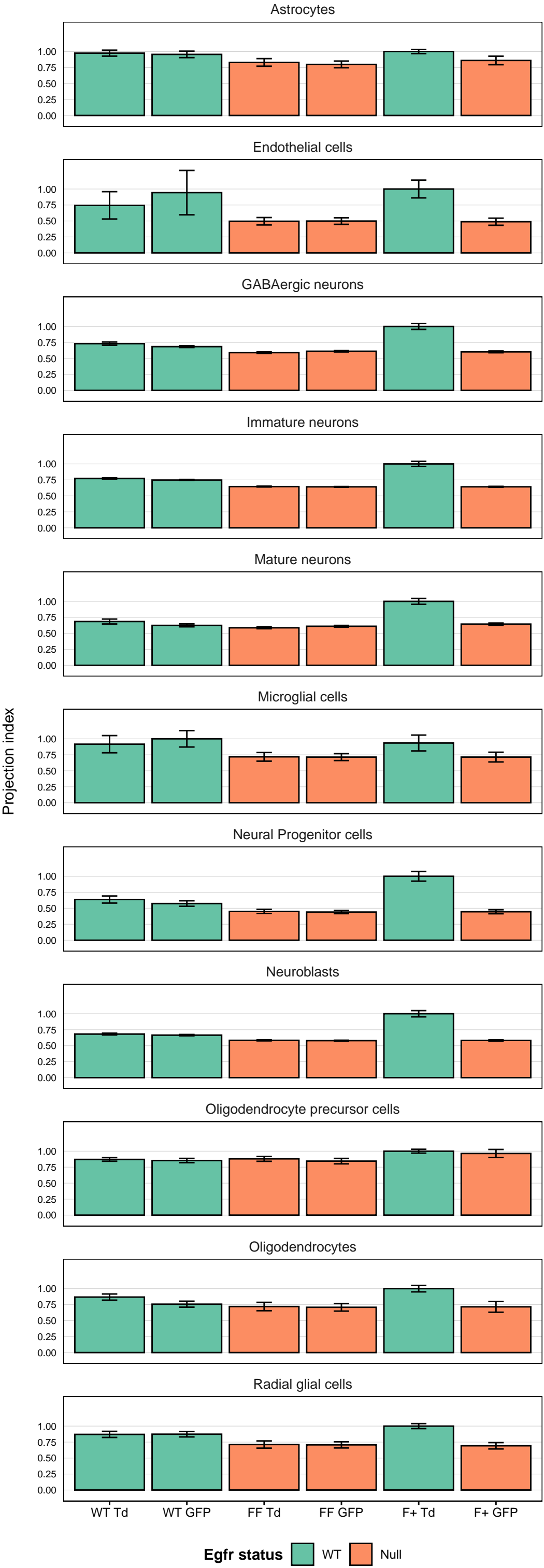
Top genes by kME

Gdf10
Rerg
Mirt1
Gria1
Rnf182
Capsl
Cachd1
E030013119Rik
Nrp1
Npy2r
Calb2
Hax1
Dnah9
Serpib1b
Lhx9
St6galnac5
Dnah1
Slc9a4
Nrp2
Htr4



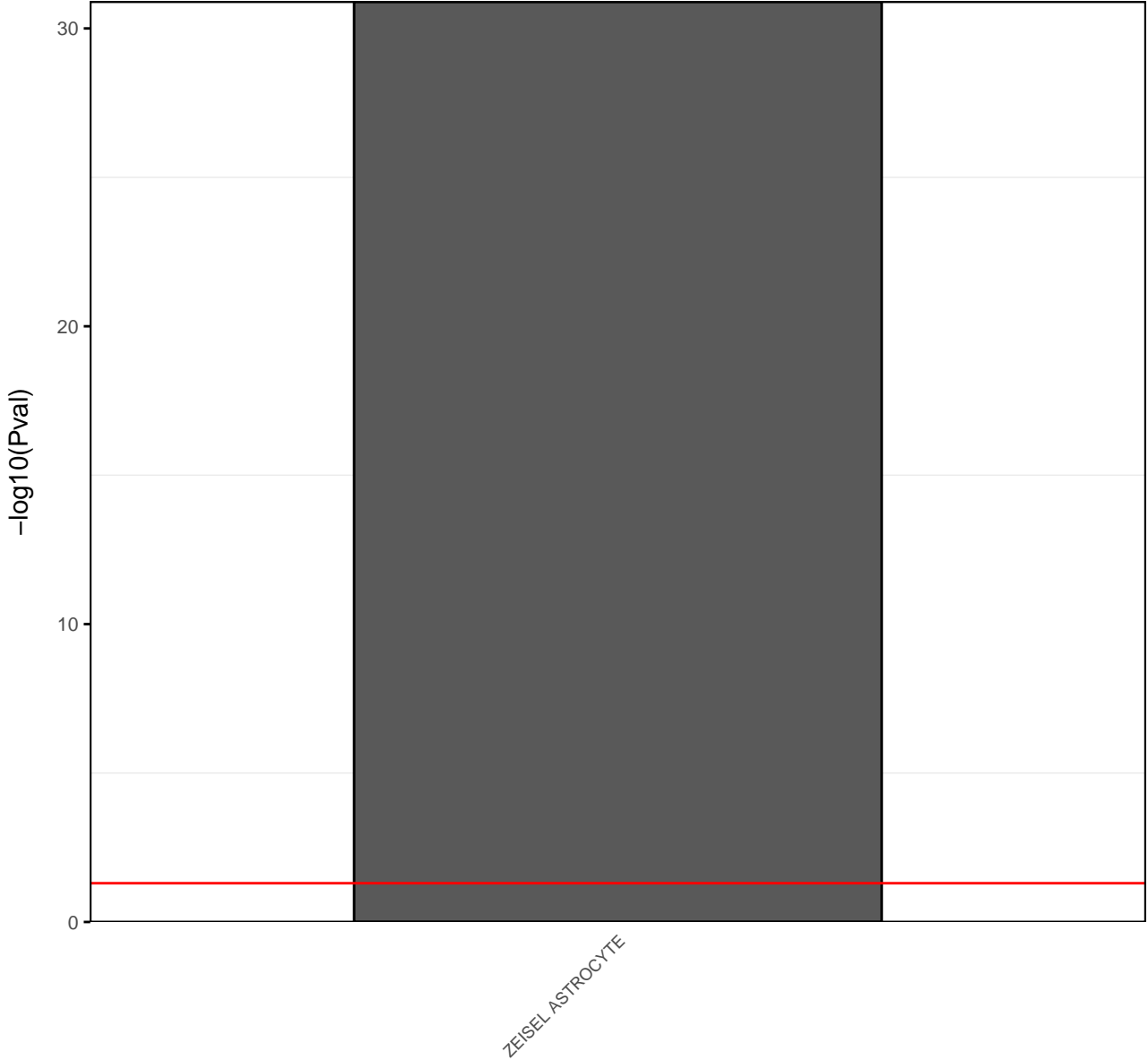
tan module
Top 100 by kME

Bicor-None_signum0.69_minSize20_merge_ME_0.85_18566

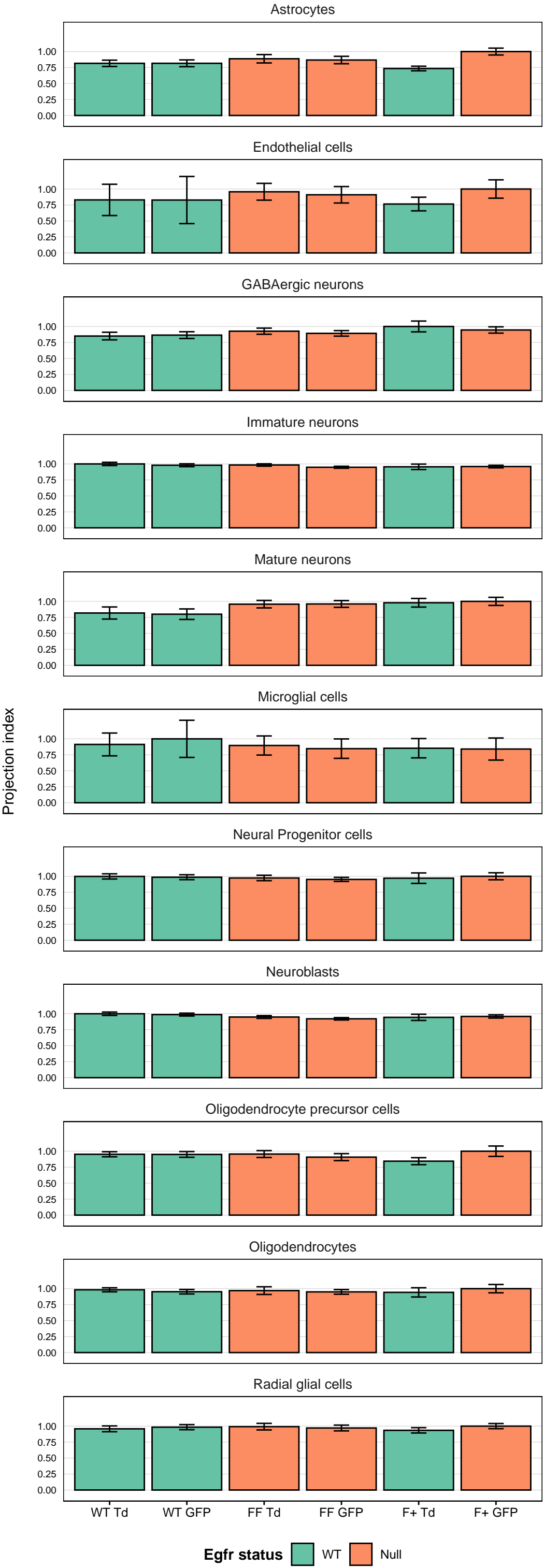


Top genes by kME

- Scd1
- Slc7a10
- Aldh1l1
- Fgf1
- Cnp
- Tmem229a
- Sox8
- AW047730
- Gpr37l1
- Acsbg1
- Hey1
- Paqr7
- Ephx2
- Olig1
- S100a16
- Apln
- Slc6a11
- Timp4
- Acss2
- Ttpa

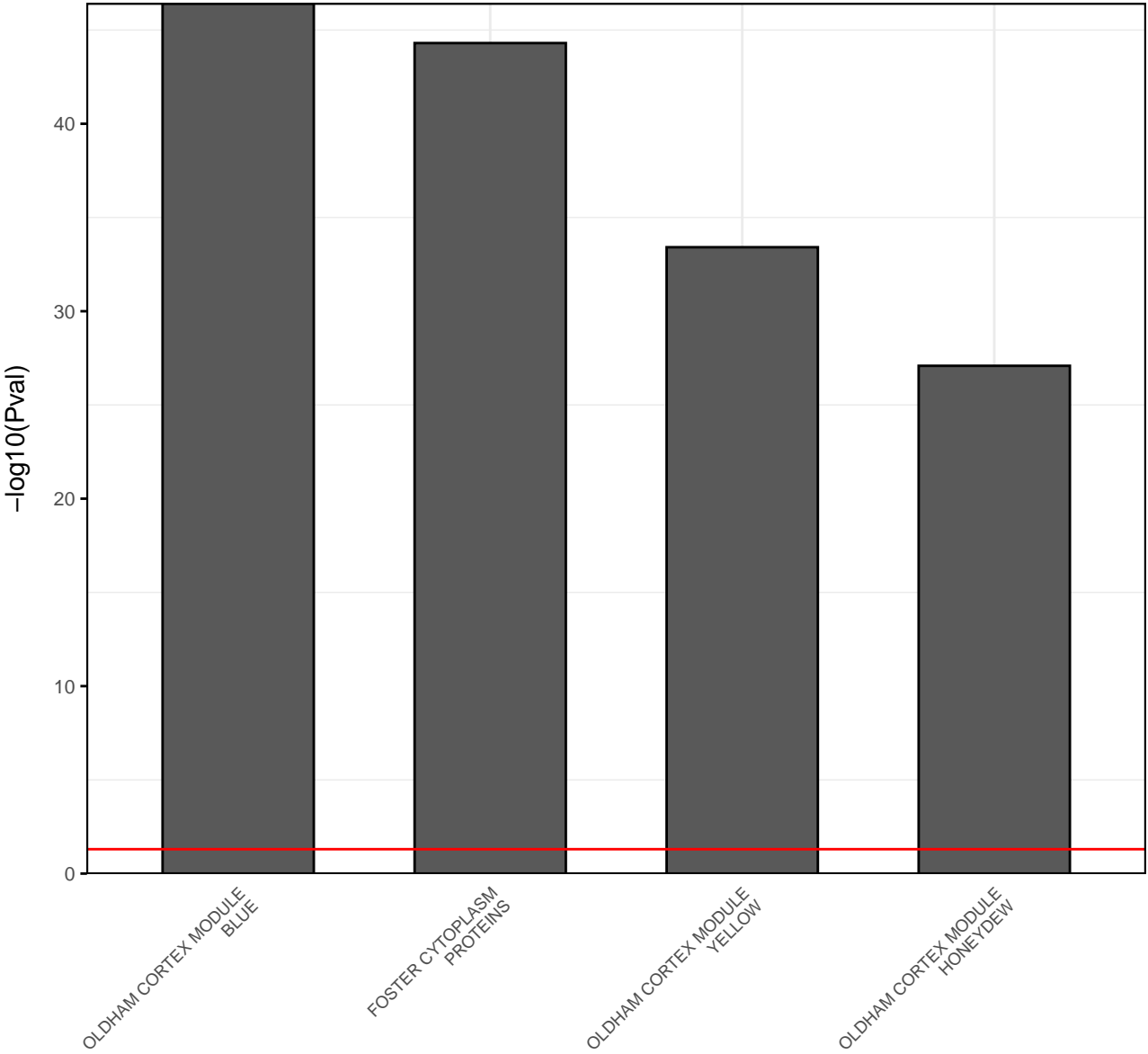


turquoise module
Top 100 by kME
Bicor-None_signum0.69_minSize20_merge_ME_0.85_18566



Top genes by kME

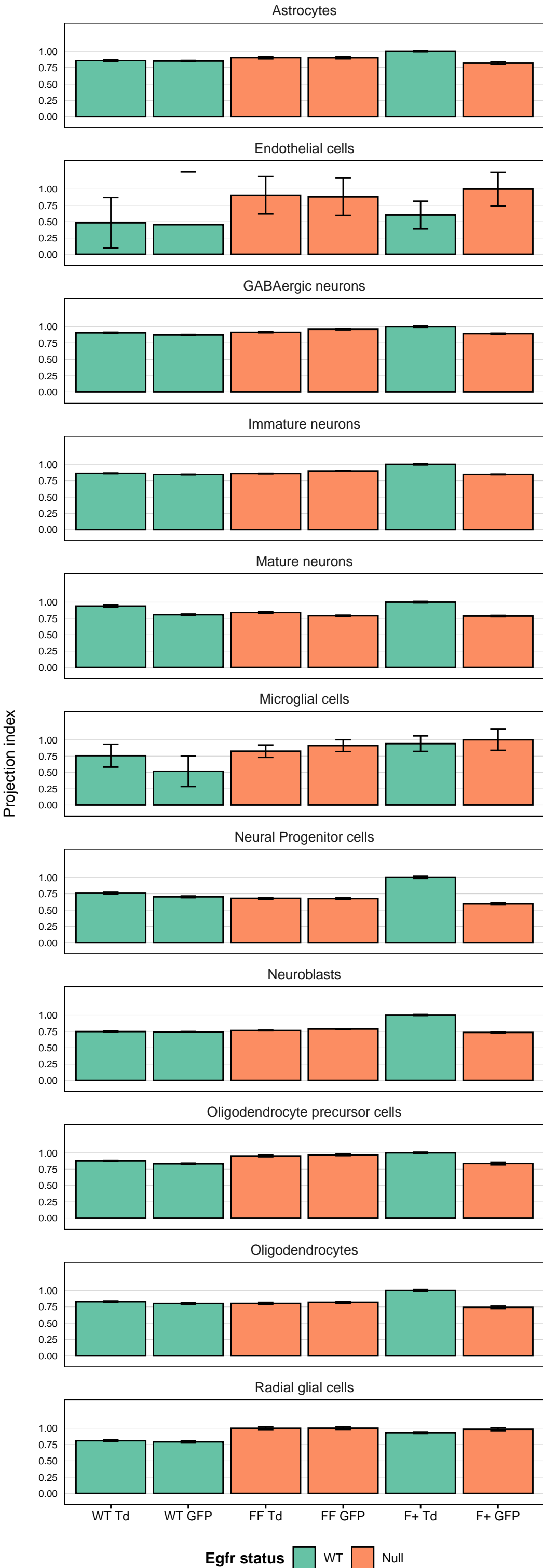
Dhrs7b
Ndufs2
Seph2
Ubb
Atp5a1
BC031181
Nipsnap1
Vps16
Vps45
Chst10
Dap3
Copz1
Amz2
Tpi1
Selenof
Brk1
Dut
Zc3hc1
Mpst
Ei24



yellow module

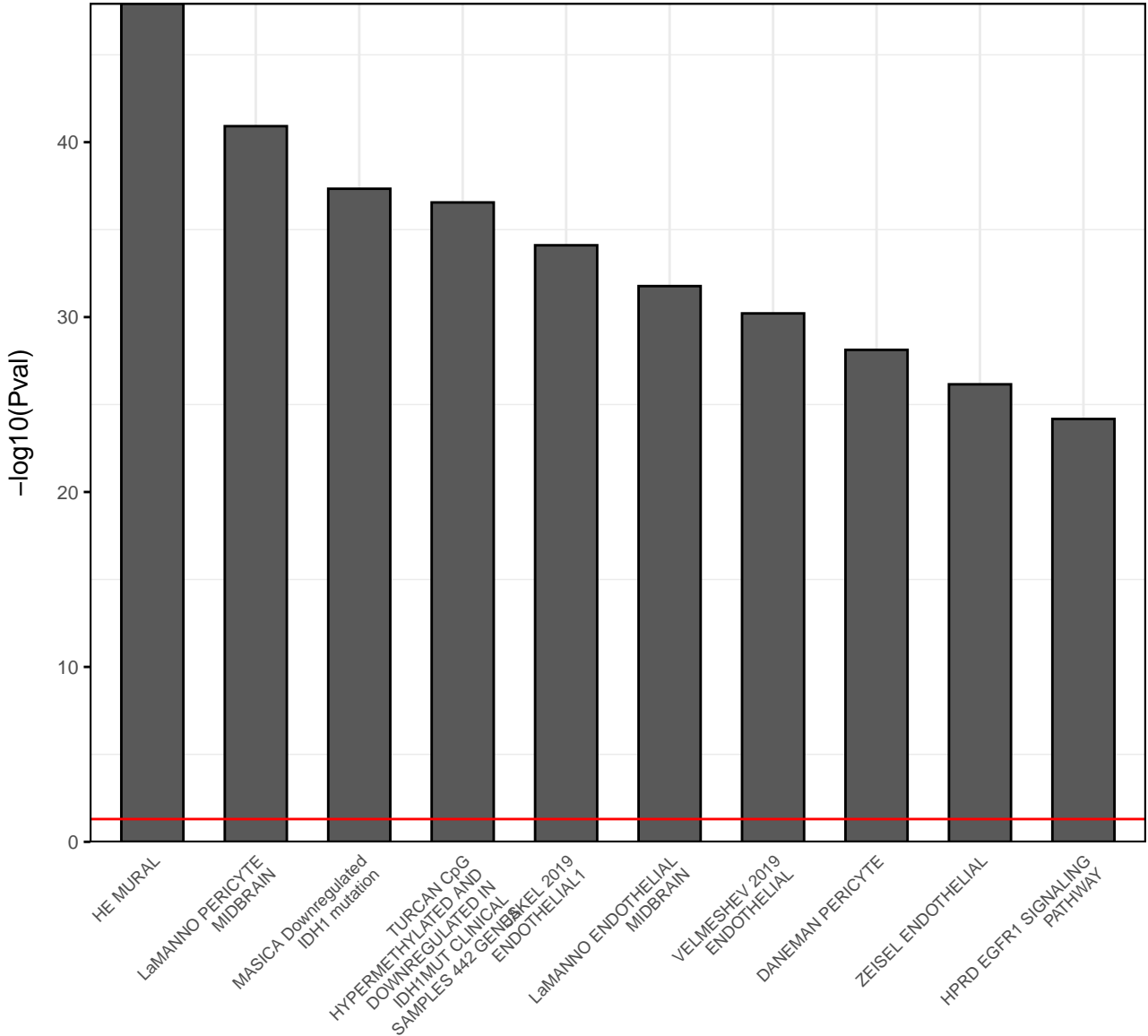
Top 100 by kME

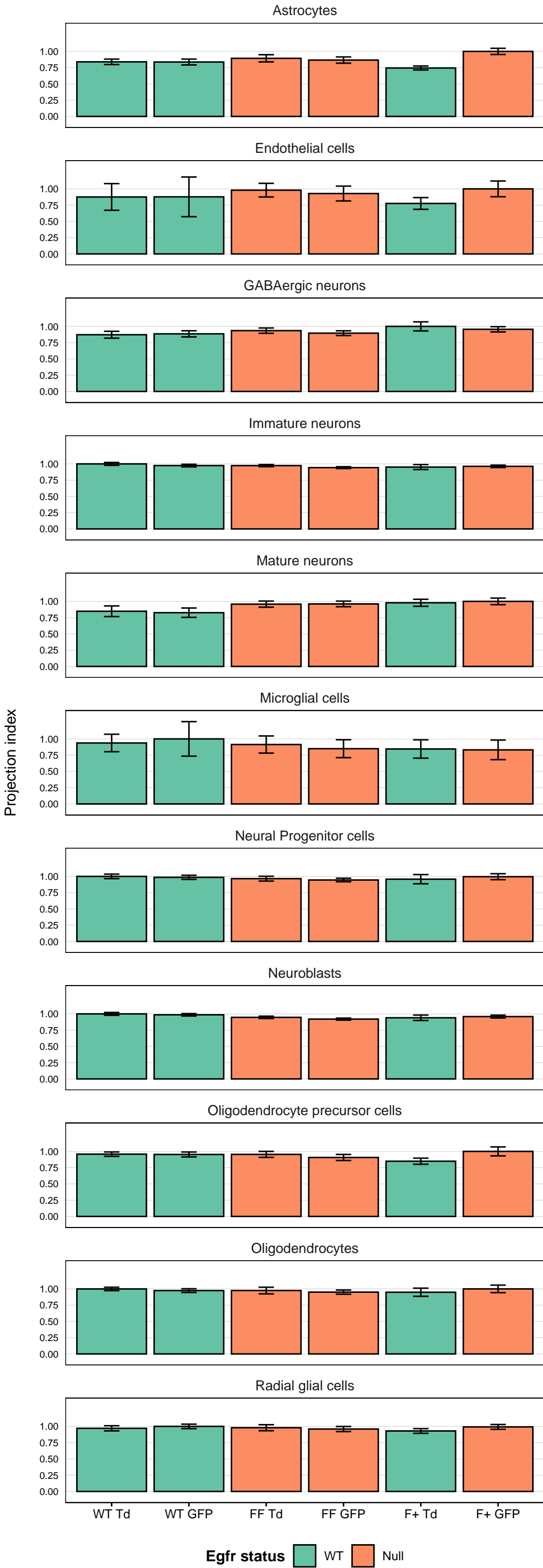
Bicor=None_sigum0.69_minSize20_merge_ME_0.85_18566



Top genes by kME

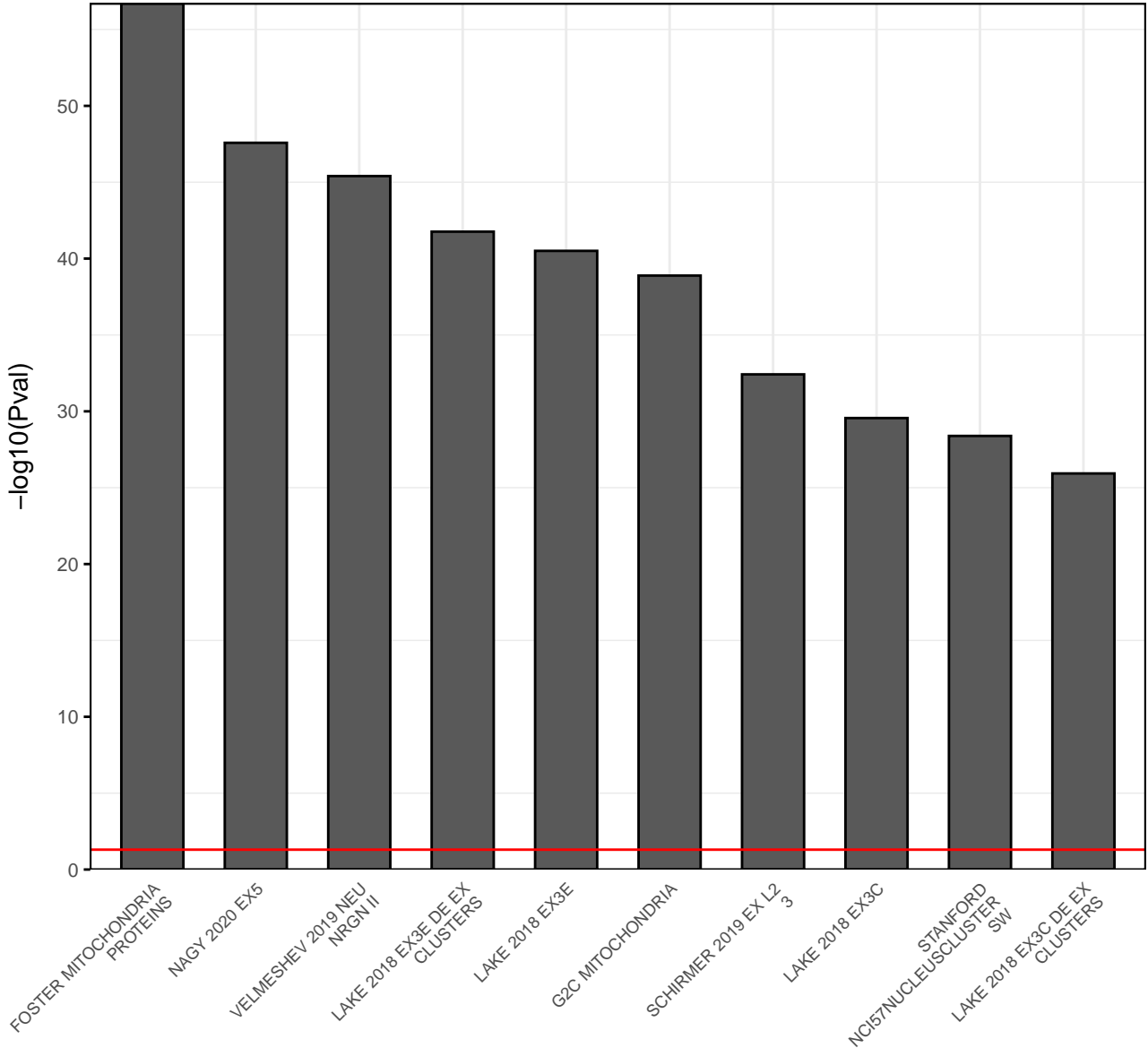
Gm17207
Gm46367
Cfap97d1
Gm38839
Gm48102
4930592A05Rik
Gm12146
Sh2d1a
8030451O07Rik
Gm15522
Gm47359
Gm49761
Gssos1
Ccl22
Gm44982
Gm31706
Slc16a3
Pate4
Gm11638
Gm20642





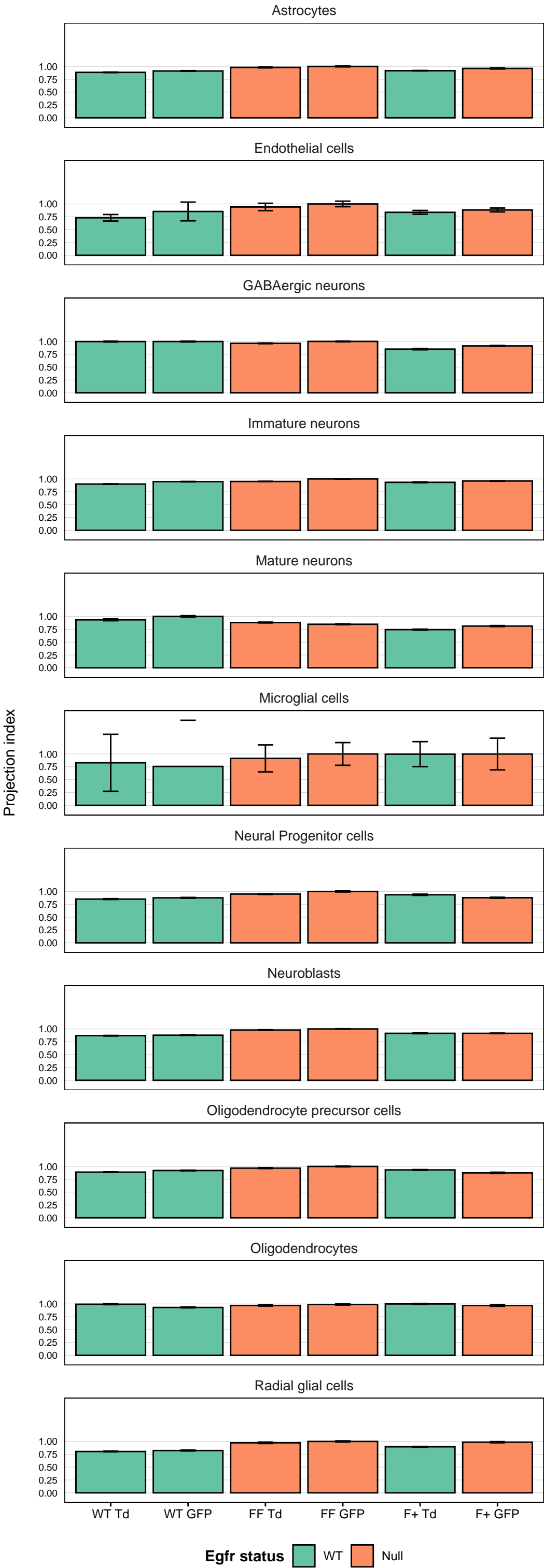
Top genes by kME

Dut
Dhrs7b
Ndufs2
Nipsnap1
Psm6
Aip
Amz2
Ubb
Seph2
Selenof
Vps45
Tmem222
Adh5
Uqcrc2
Ociad1
Cog8
BC031181
Spcs1
Zc3hc1
Tatdn1



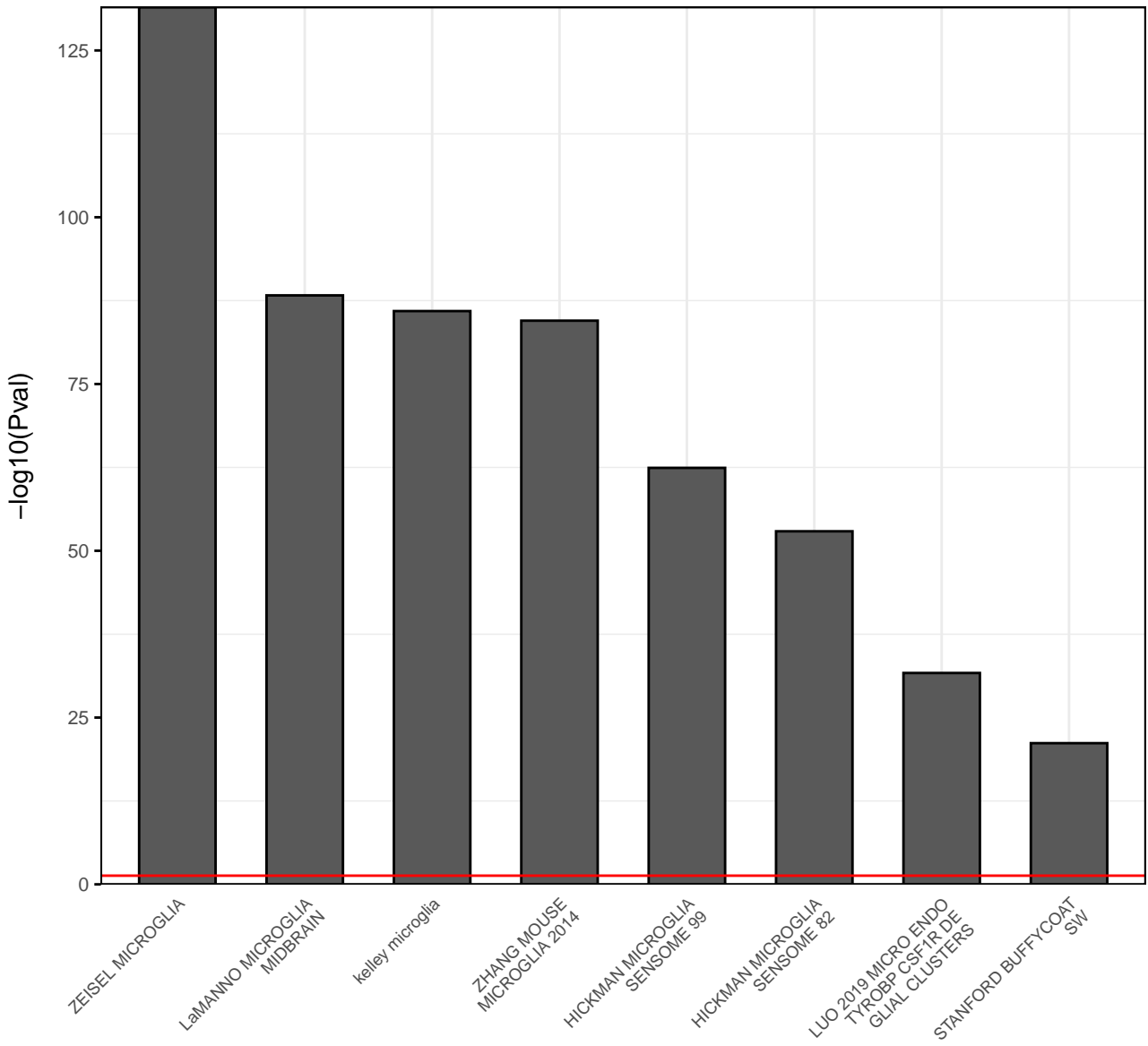
cyan module
Top 100 by kME

Bicor=None_signum0.757_minSize20_merge_ME_0.85_18566

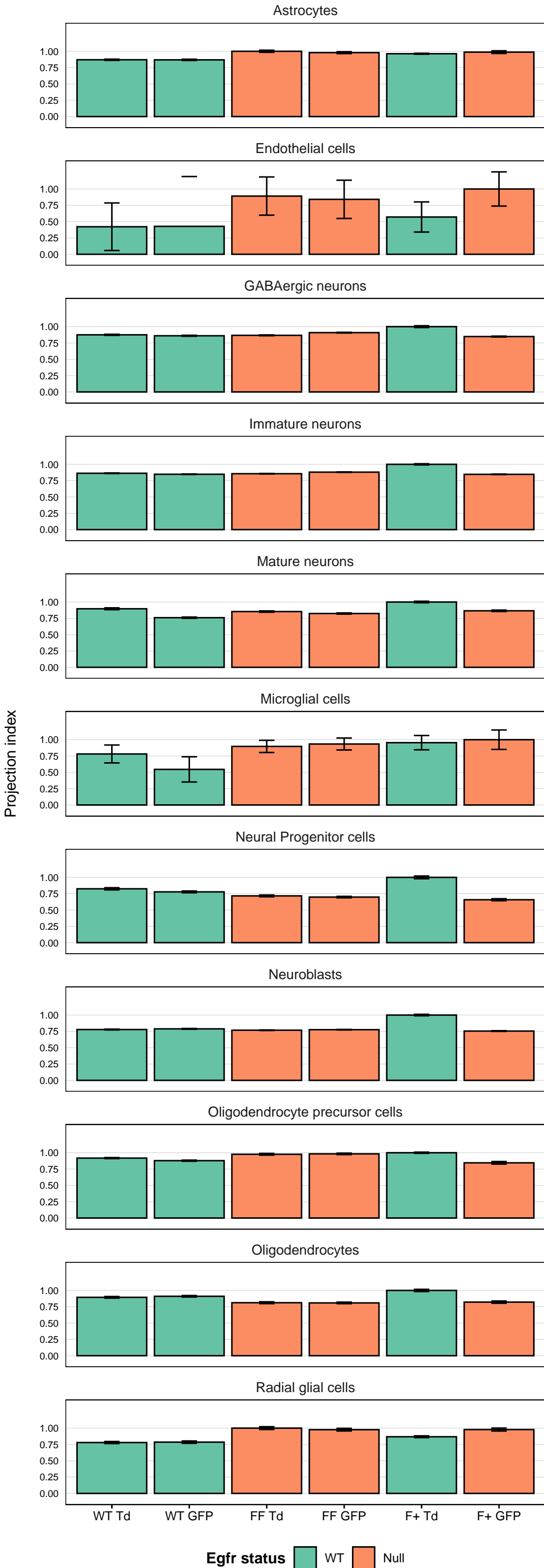


Top genes by kME

Ncf1
Nckap1l
Naip2
Cd53
AB124611
Il10ra
C1qb
Rab32
Ncf2
Ctss
Naip5
Adgre1
Cyba
Ms4a6c
Ms4a6b
Cd300a
Fcgr1
Dock2
Aoah
Tlr7

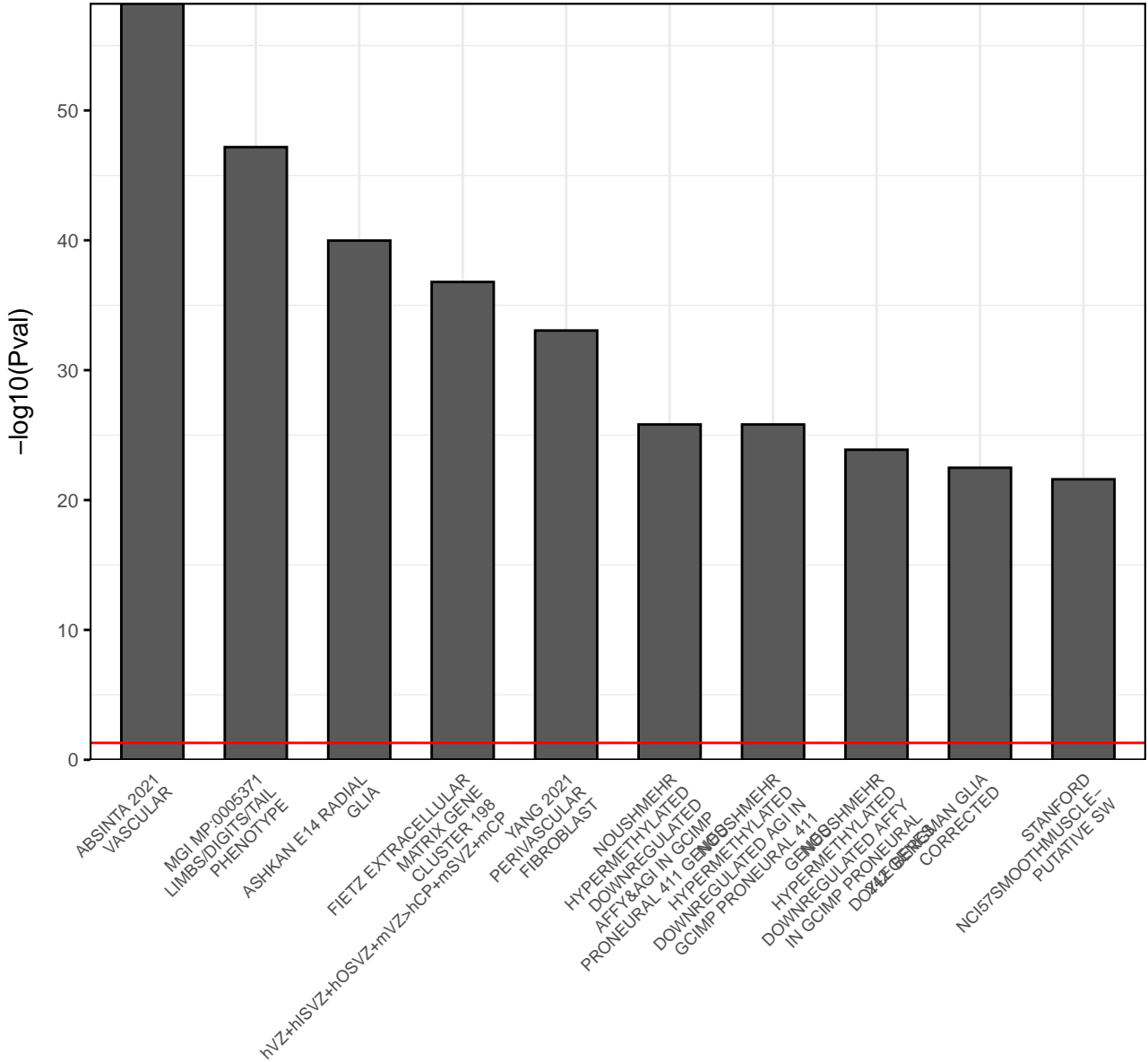


magenta module
Top 100 by kME
Bicor=None_signum0.757_minSize20_merge_ME_0.85_18566

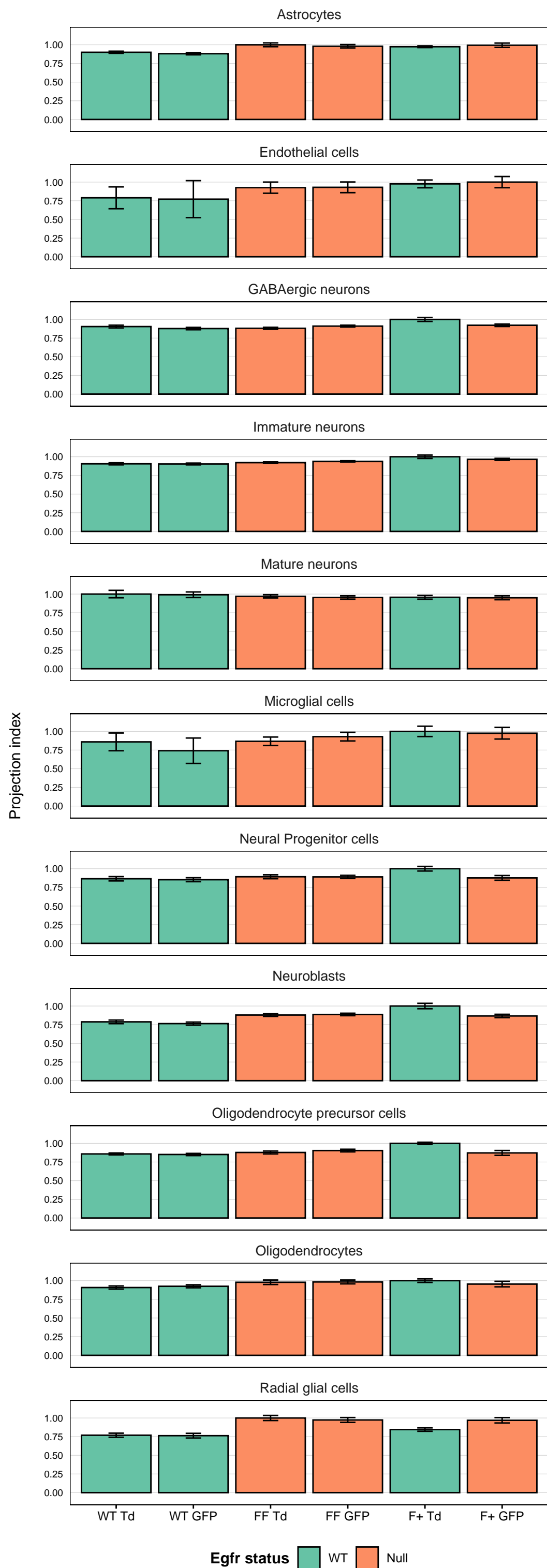


Top genes by kME

Fam43a
Cavin1
Fzd7
Sh3pxd2a
Agtrap
Gpc3
Bche
Eya2
Olfml2a
Notch2
Igf2r
Dcn
Cavin2
Ctsk
Aebp1
Tgfbr3
Kirrel
Vstm4
Slc41a1
Slc16a12

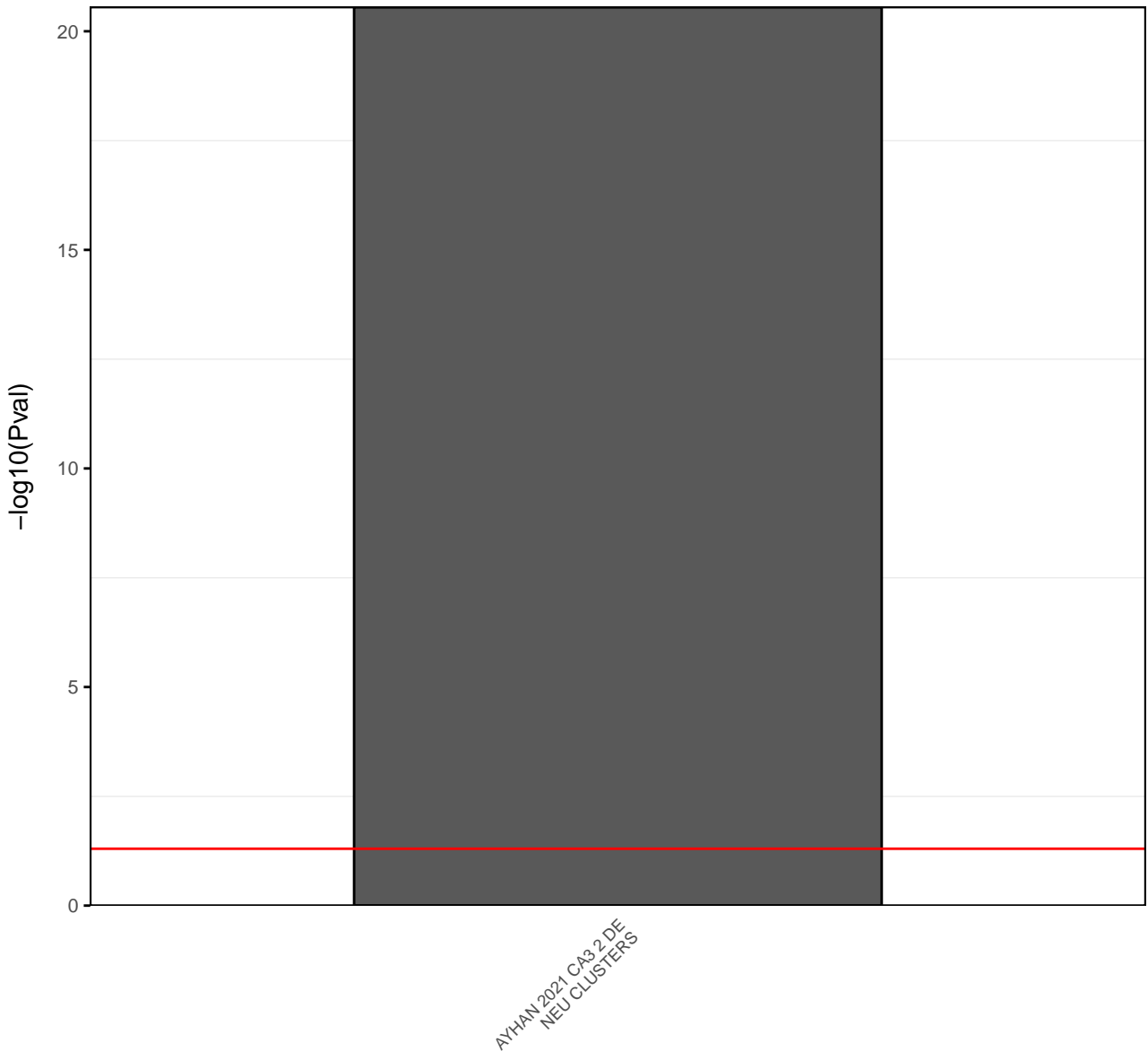


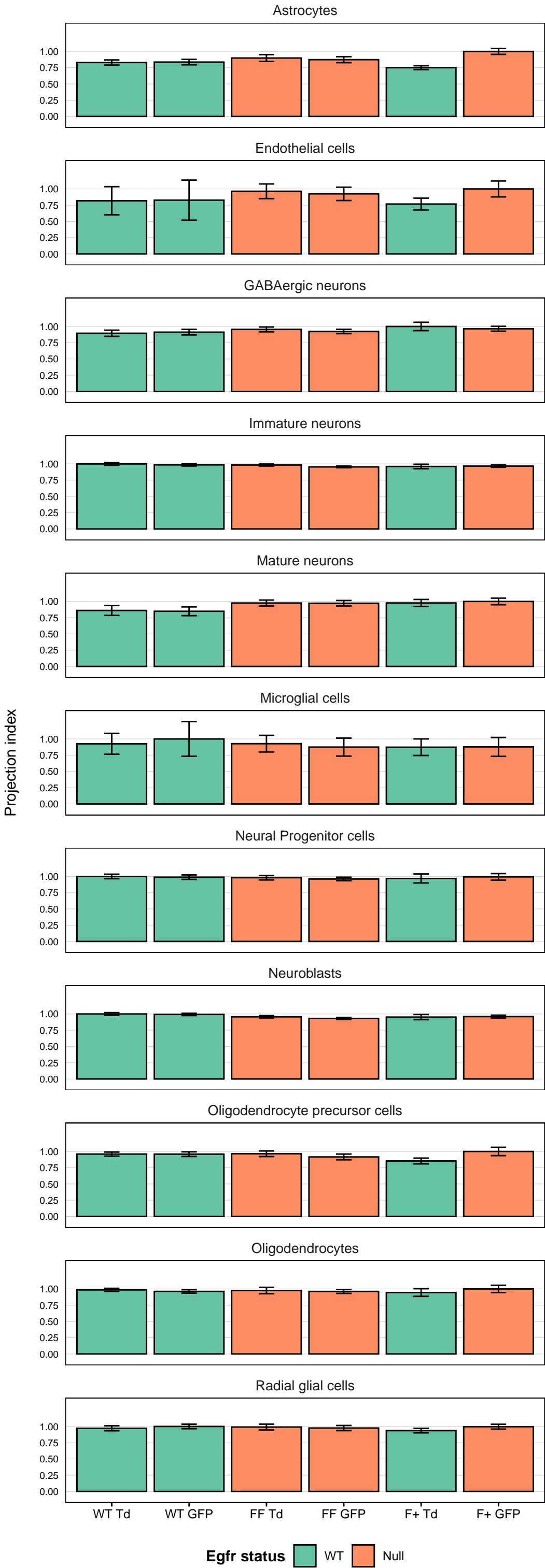
blue module
Top 100 by kME
Bicor-None_signum0.643_minSize15_merge_ME_0.85_18566



Top genes by kME

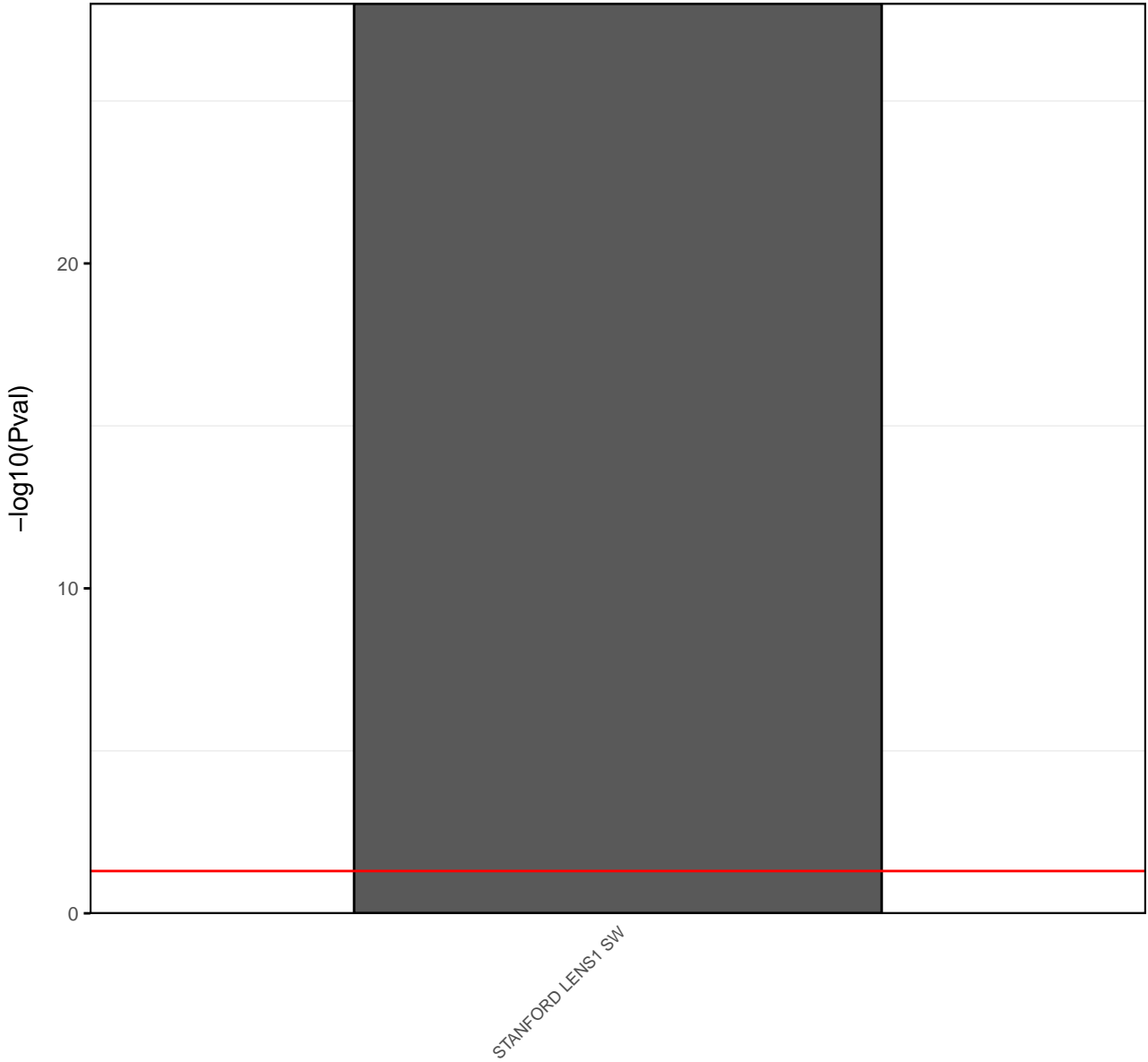
Mpped2
Grk5
Rragd
Tgfbr1
lvns1abp
Ramp3
Adam19
Ephb6
Ache
Ankrd45
Grm3
Ptprrh
Kcnt2
Adcy2
2810032G03Rik
Dyrk2
Slc16a7
Itgb3
C530025M09Rik
Prickle1

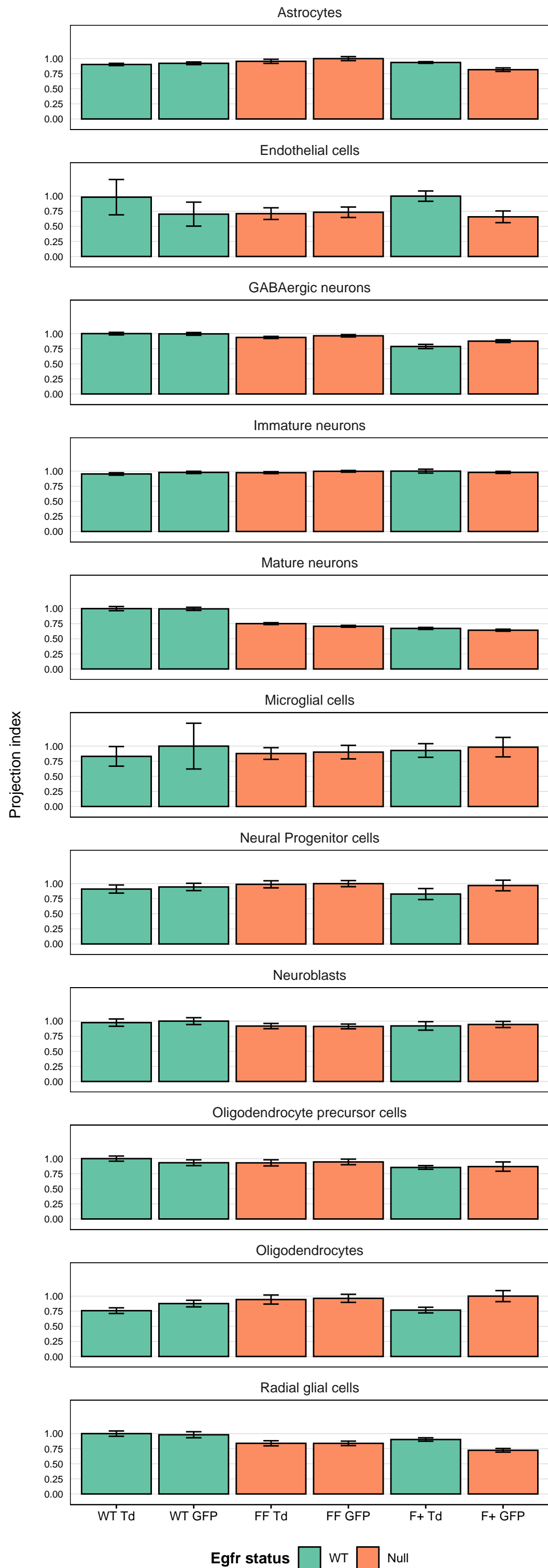




Top genes by kME

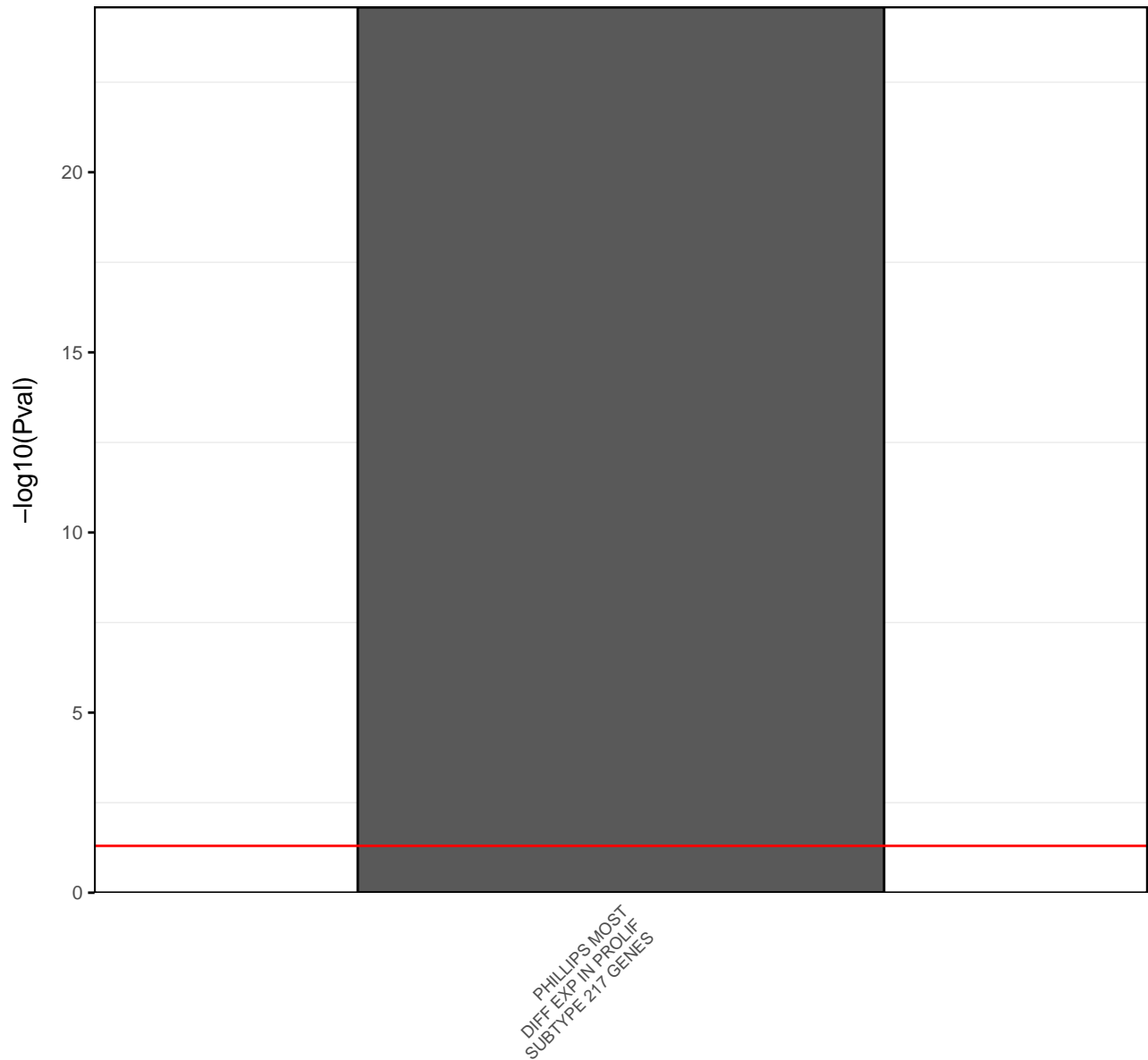
Tnr
Syt6
Shroom1
Grid2
Slc30a3
Gm46633
Chrm2
Adamts18
Tdo2
Tcerg1l
Tacr1
Gprn3
Zfp827
Cwh43
2700069l18Rik
Plcb4
Susd5
Gnal
Bhlhe40
Mc4r



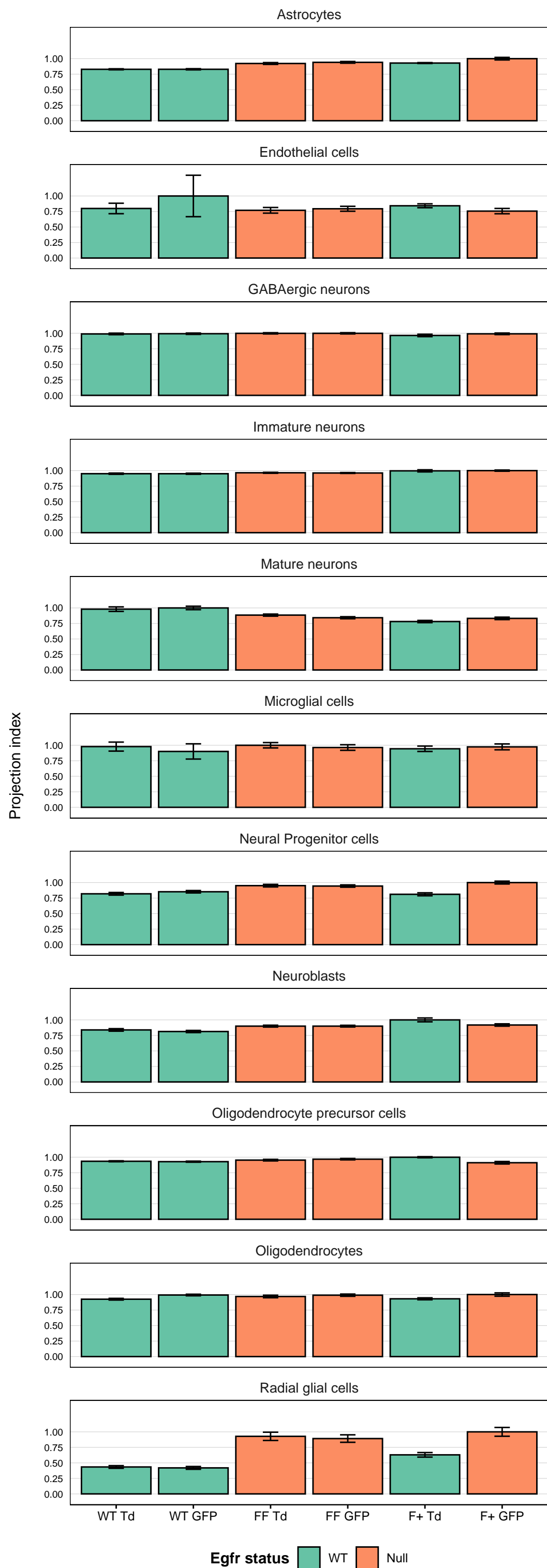


Top genes by kME

Ncapg2
Gadd45a
D430020J02Rik
Tyms
Tacc3
Tes3-ps
Neil3
Rbl1
Ncapd2
Usp45
Nmi
Ttk
Ncaph
Cdca2
Aurka
Csde1
Cdk1
Ska3
Usp37
Haus6

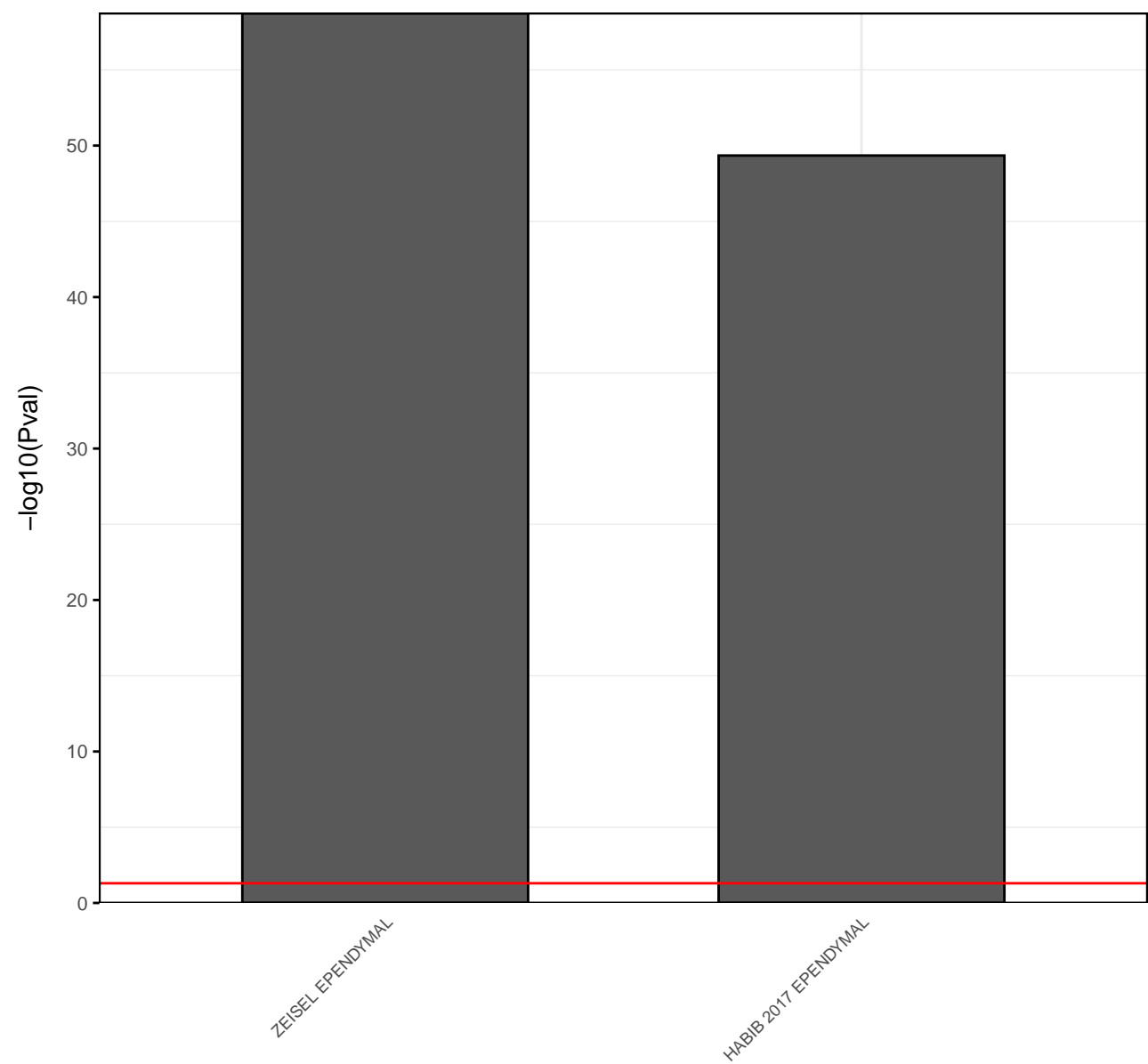


greenyellow module
Top 100 by kME
Bicor-None_signum0.69_minSize10_merge_ME_0.85_18566



Top genes by kME

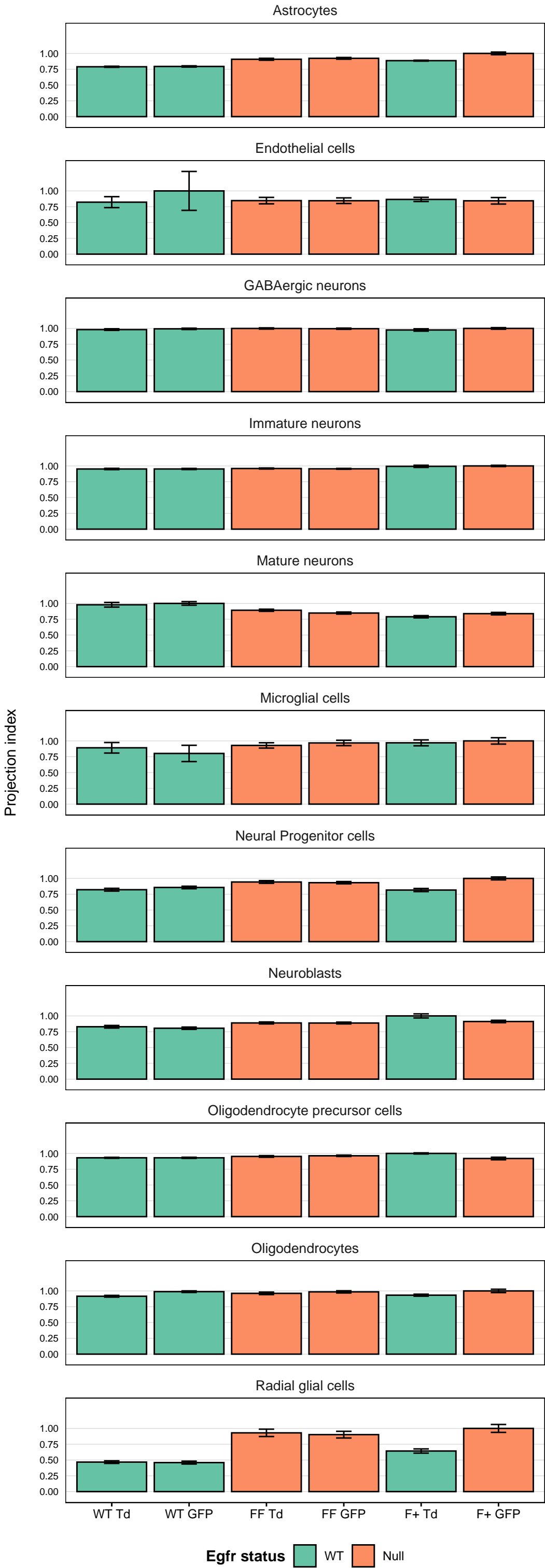
Hopx
Emx2os
Rerg
Rnf182
Drc7
Il16
Ttc21a
Cabp7
Musk
Hunk
Nrp1
Nr4a3
Dnah9
Lix1
Cfap70
Islr2
Gm11992
Mirt1
Dnah1
Lhx9



pink module

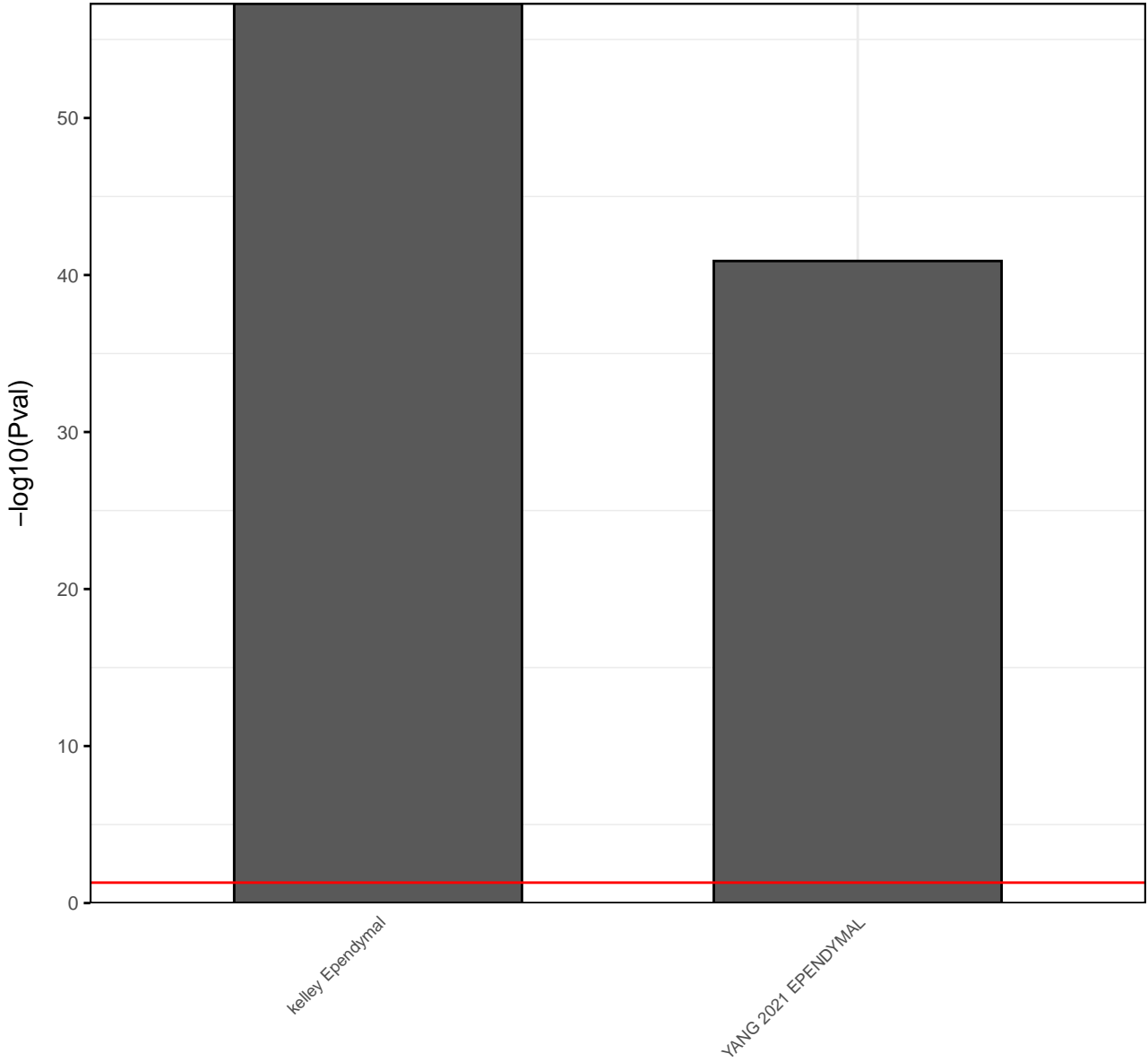
Top 100 by kME

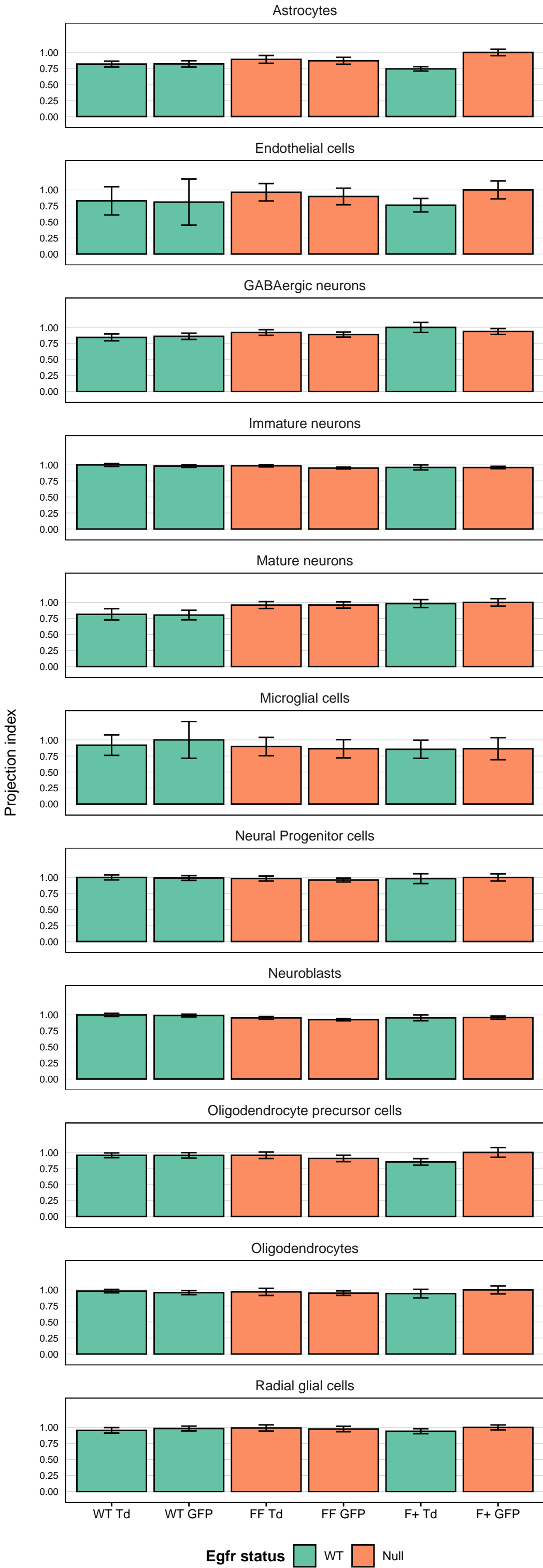
Bicor-None_signum0.529_minSize20_merge_ME_0.85_18566



Top genes by kME

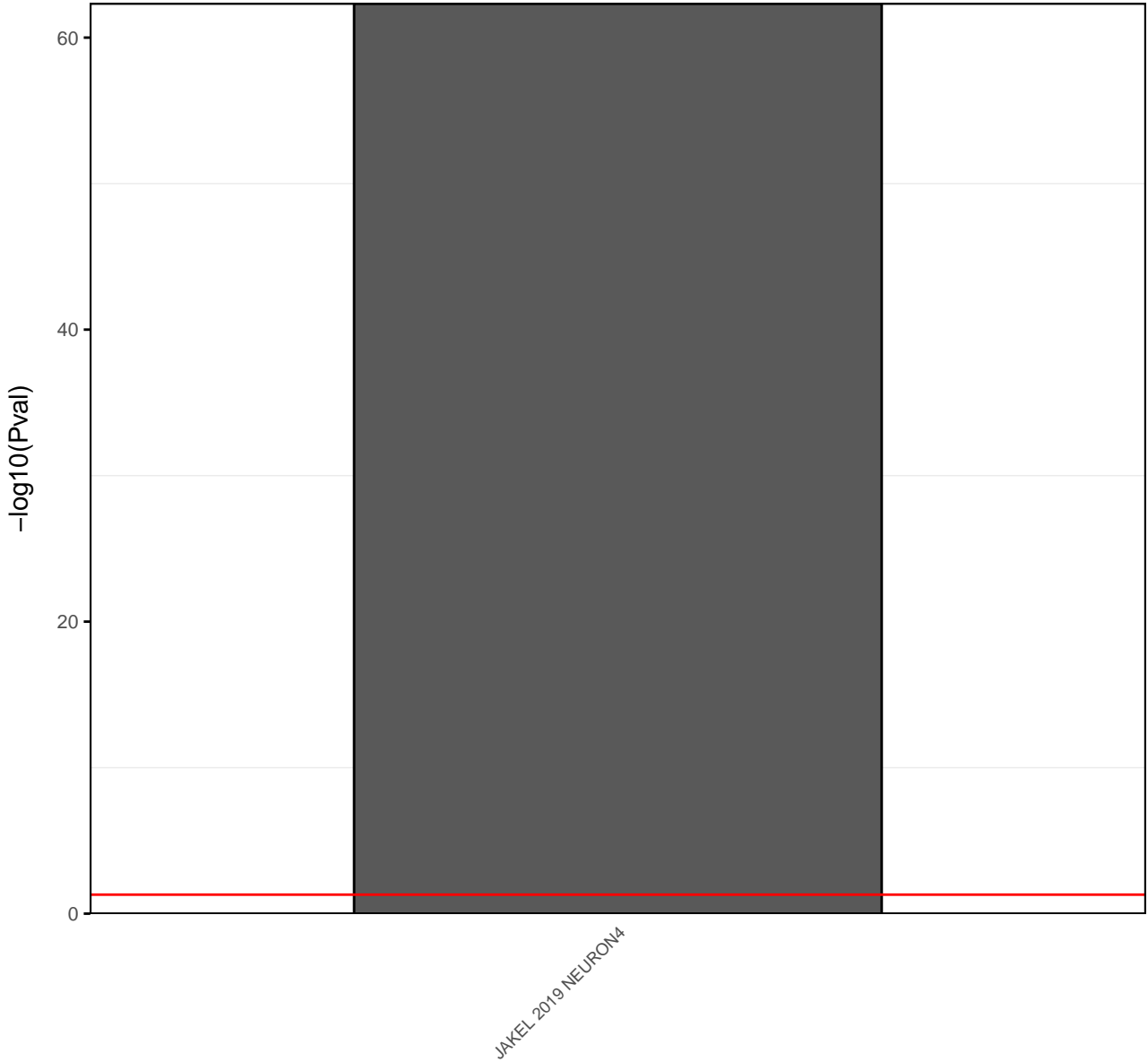
Hopx
Emx2os
Rerg
Il16
Rnf182
Drc7
Ttc21a
Musk
Nr4a3
Cabp7
Nrp1
Hunk
Lix1
Nr3c2
Pde9a
Cfap70
Mirt1
Zfp667
Lhx9
Islr2





Top genes by kME

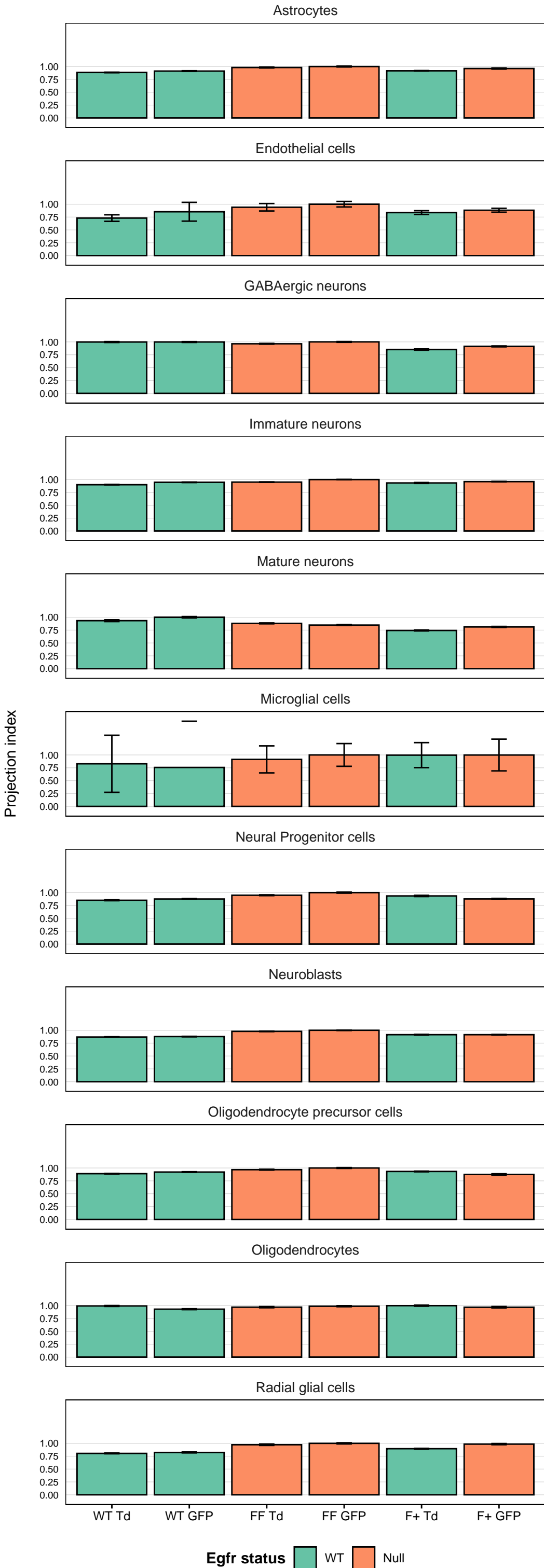
Gm36551
Gm47648
Gm45645
Olfr107
1700060C20Rik
Gm36602
Gm16169
Gm29455
Trim12a
Rbm15
4930474N09Rik
Gm28198
Fshr
Cst12
Gypa
Gm10961
Gm15777
Aanat
Gm49208
Heatr4



cyan module

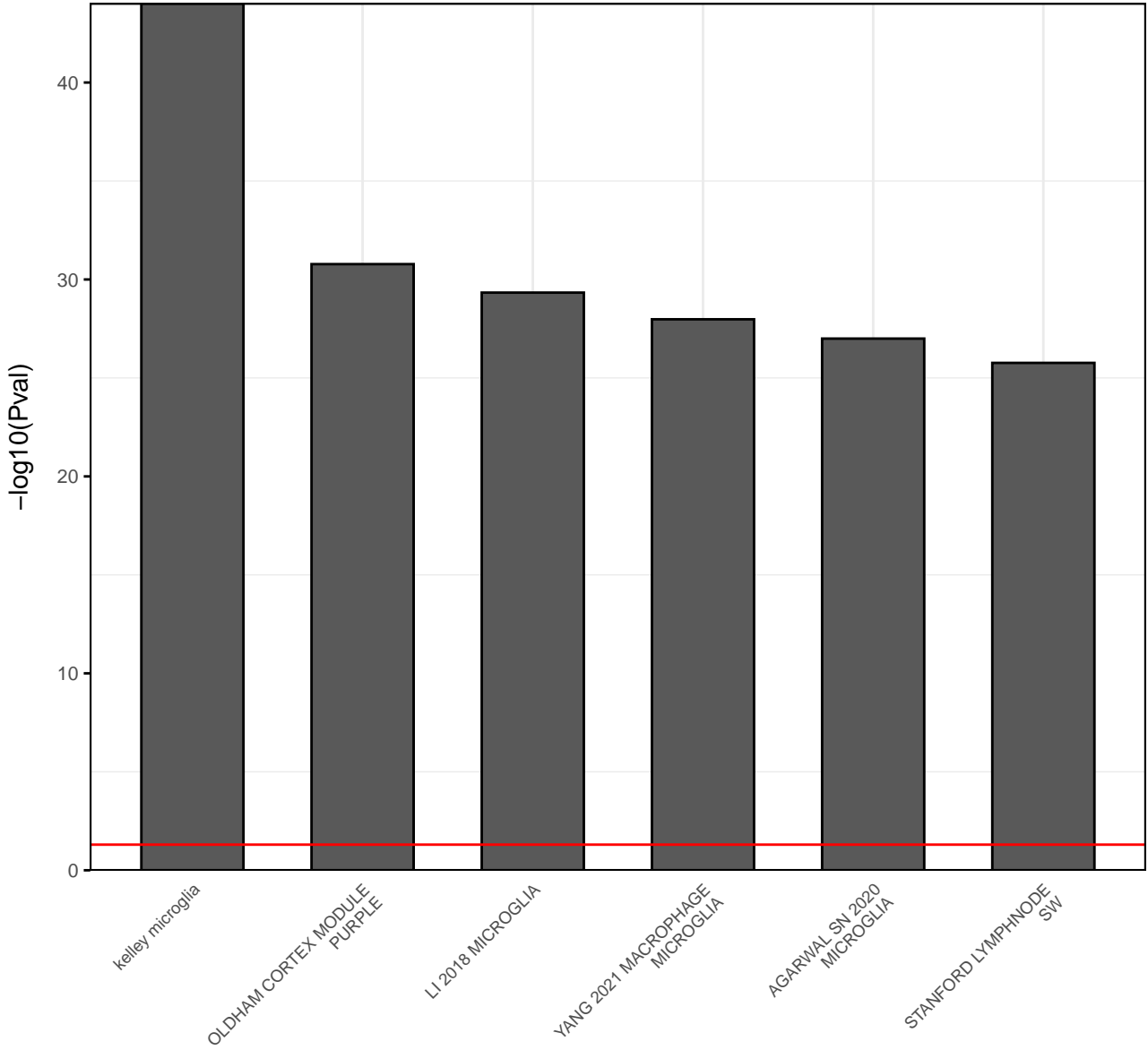
Top 100 by kME

Bicor-None_signum0.757_minSize15_merge_ME_0.85_18566



Top genes by kME

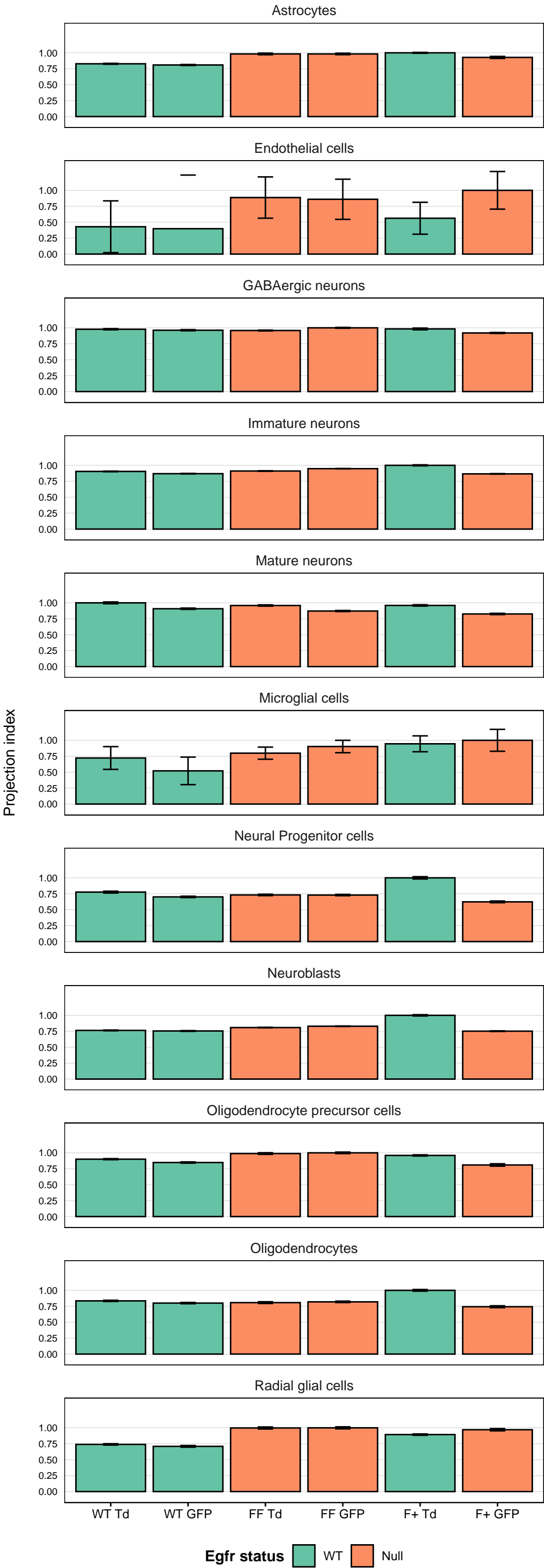
Olfr1366
Gm36246
Fam24a
4933424L21Rik
5430401F13Rik
Gm44764
1500015L24Rik
Glp2r
Gm40923
Gm36550
Rbm46os
Spink4
Msh6
Gm26671
Rapgef3os1
G630055G22Rik
Ptprcap
Gm12925
Gm14055
Kctd4



yellow module

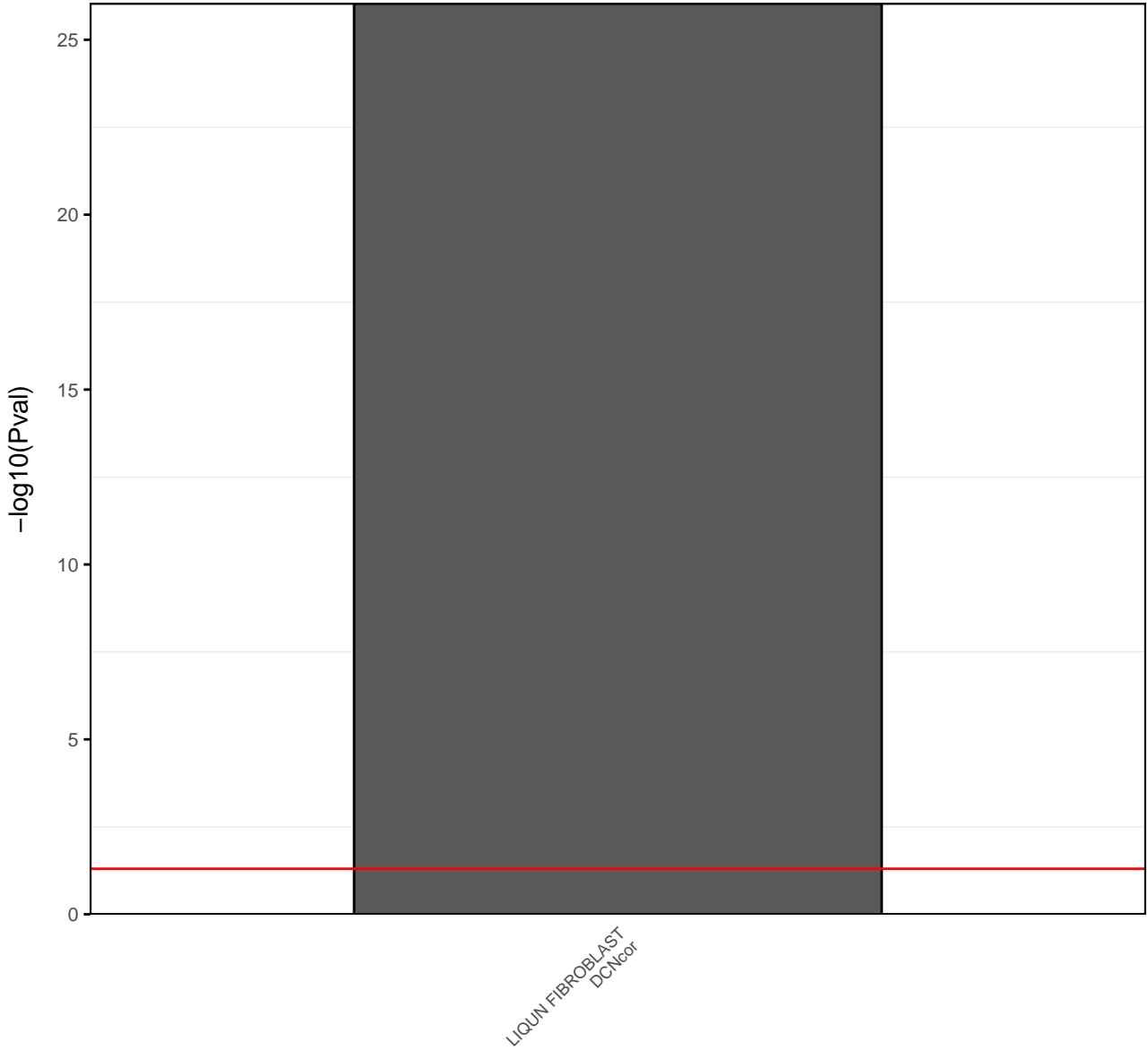
Top 100 by kME

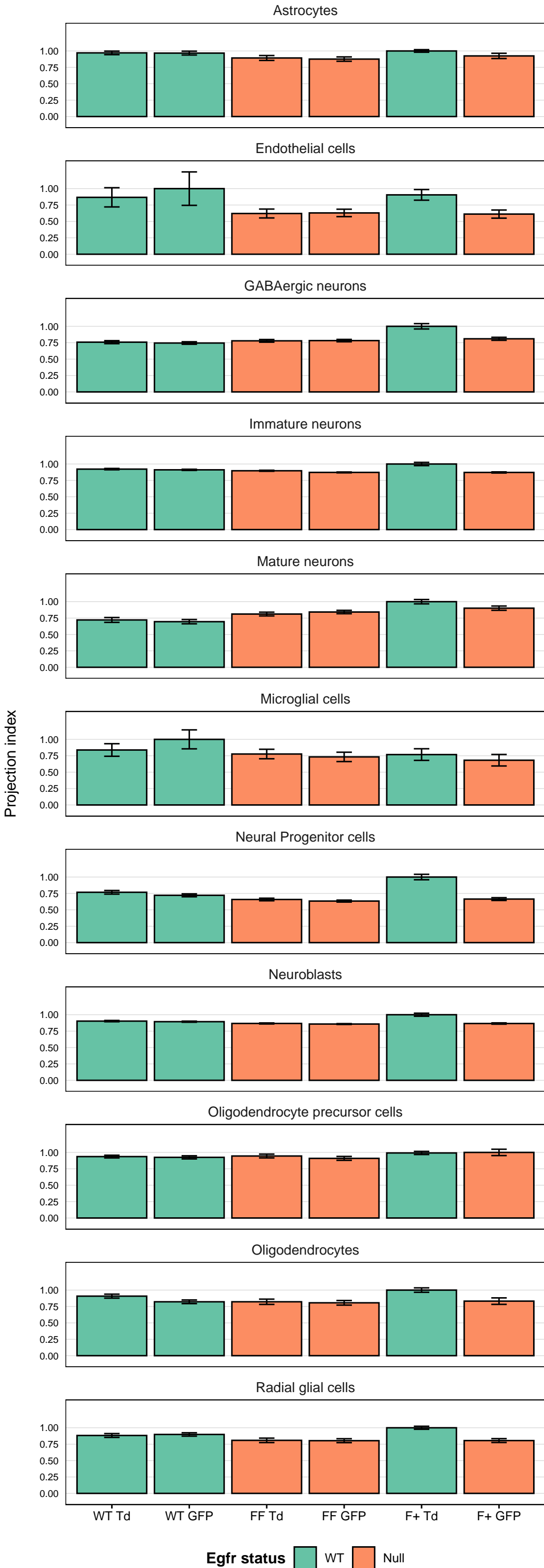
Bicor=None_signum0.757_minSize15_merge_ME_0.85_18566



Top genes by kME

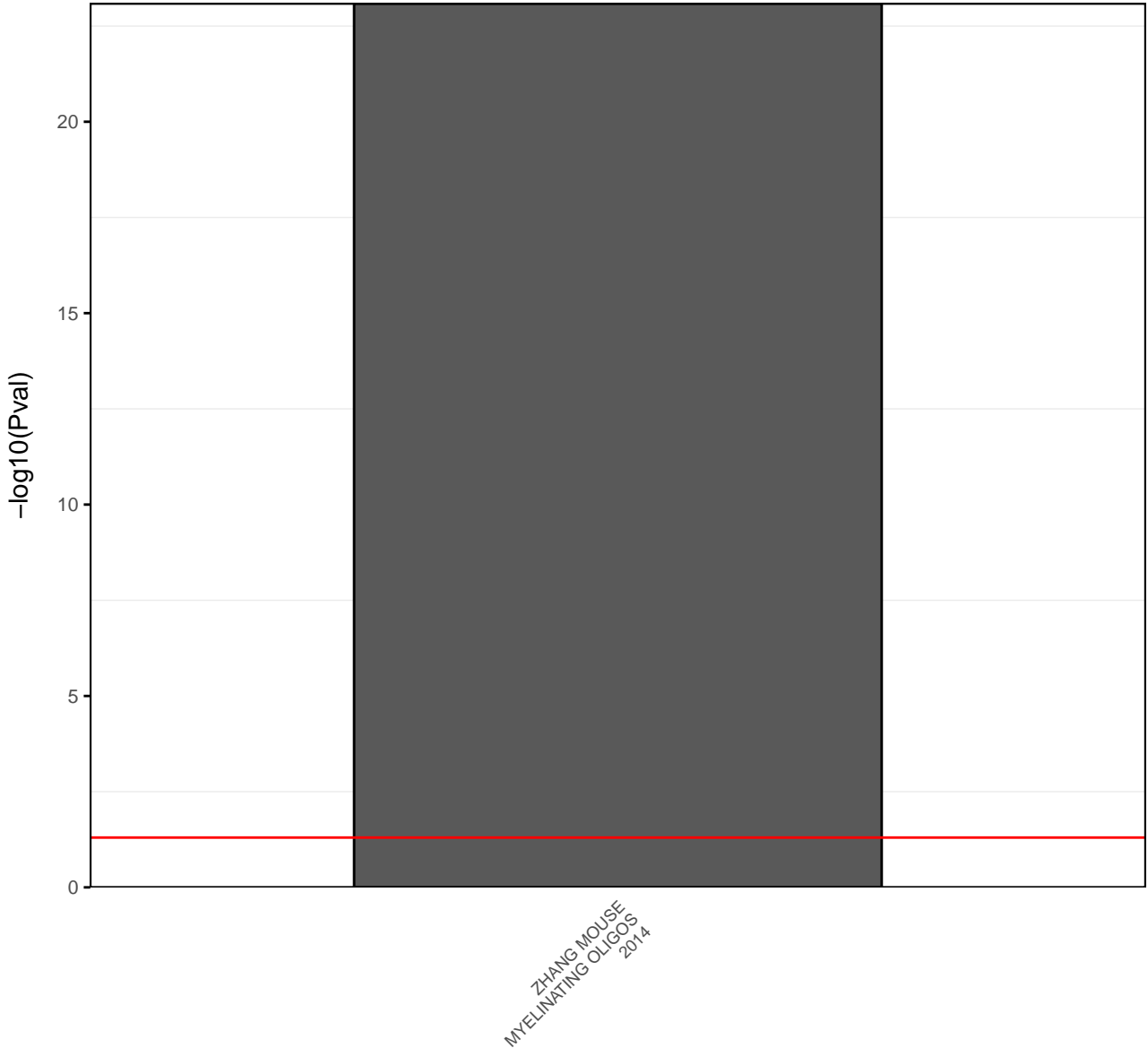
Eno2
Paqr7
Abcb9
Foxk2
Rasl10b
Acsl6
Asic1
Camkk2
9330102E08Rik
Scarb1
Reep2
Slc8a2
Coro7
Kcna6
Impdh1
Dhx29
Trmt61a
Ado
Adamtsl2
Rlbp1



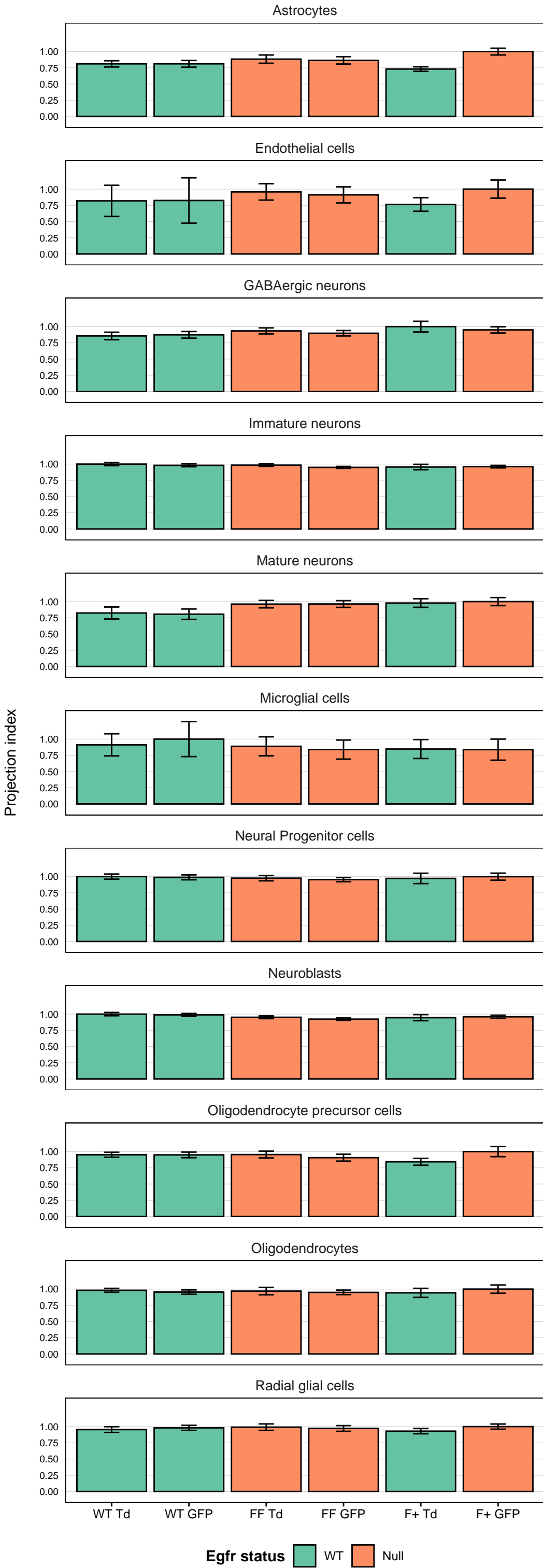


Top genes by kME

Paqr7
Eno2
Abcb9
Cspg5
Rlbp1
Rgcc
Foxk2
Trmt61a
Sstr1
Gcsh
Reep2
1500009C09Rik
Impdh1
Lrrc73
Meox1
Tm7sf2
Pfn2
Adamtsl2
Scarb1
Cnp

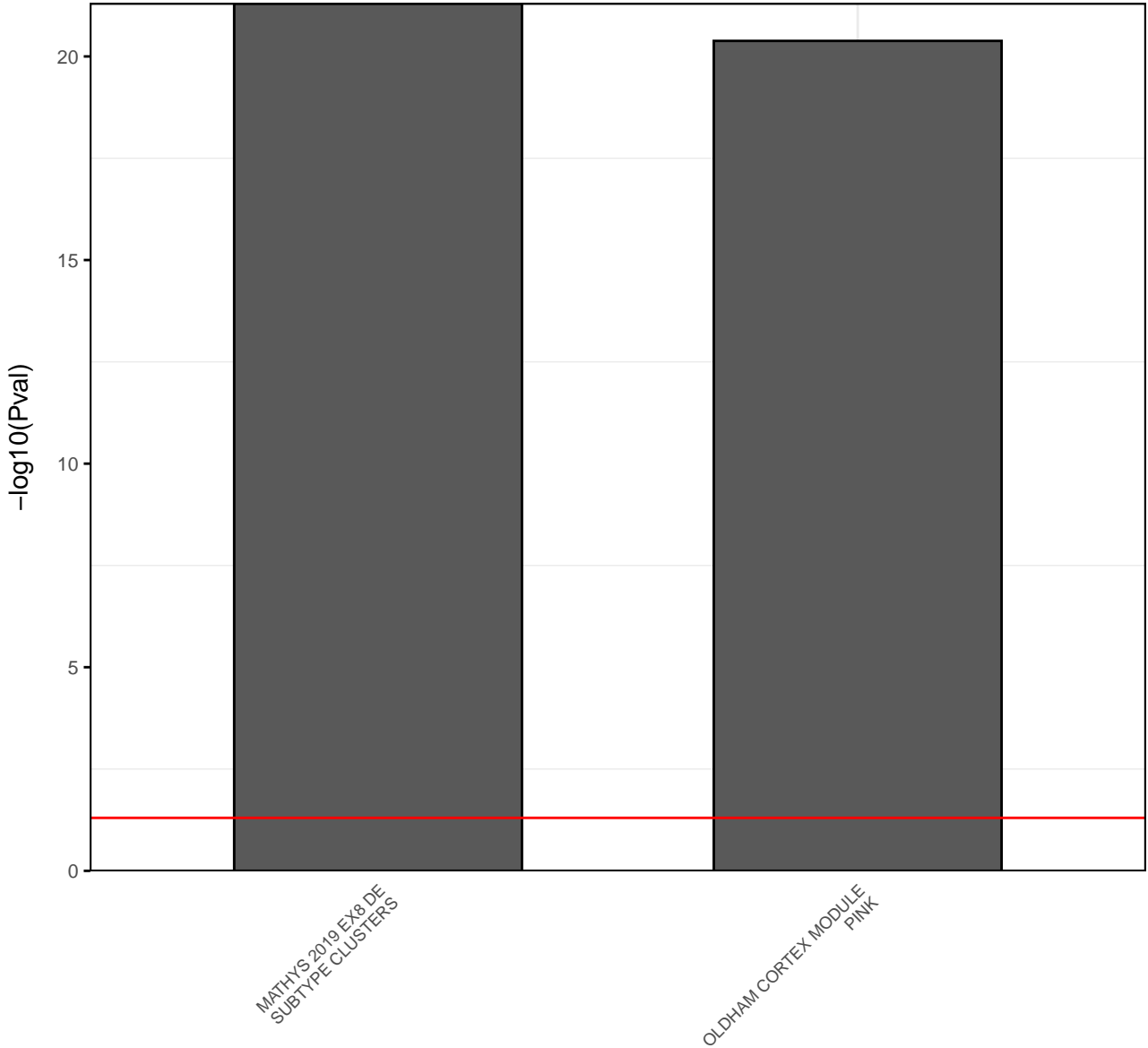


turquoise module
Top 100 by kME
Bicor-None_signum0.757_minSize12_merge_ME_0.85_18566



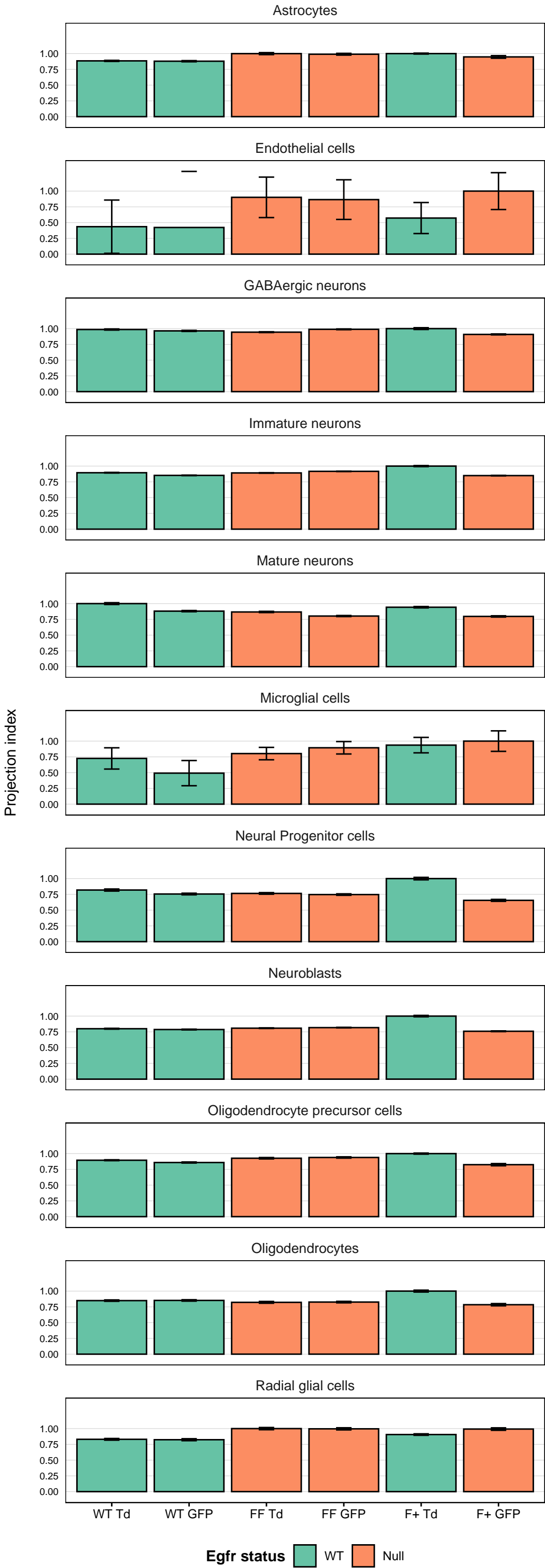
Top genes by kME

Dhrs7b
Ndufs2
Seph2
Ubb
Atp5a1
Nipsnap1
BC031181
Chst10
Vps16
Dap3
Vps45
Copz1
Tpi1
Amz2
Selenof
Trap1
Zc3hc1
Ei24
Mpst
Amfr



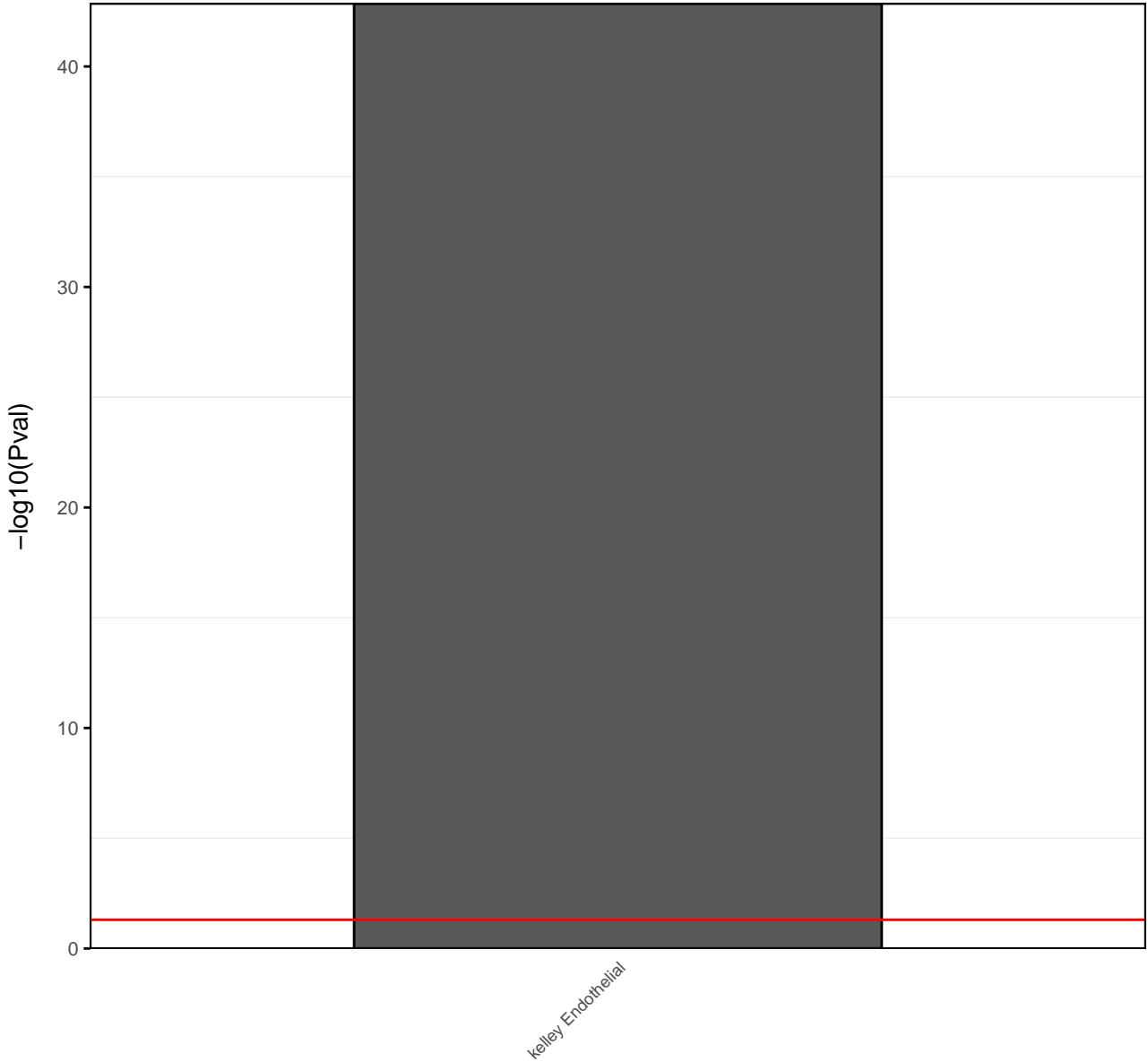
blue module
Top 100 by kME

Bicor-None_signum0.607_minSize15_merge_ME_0.85_18566



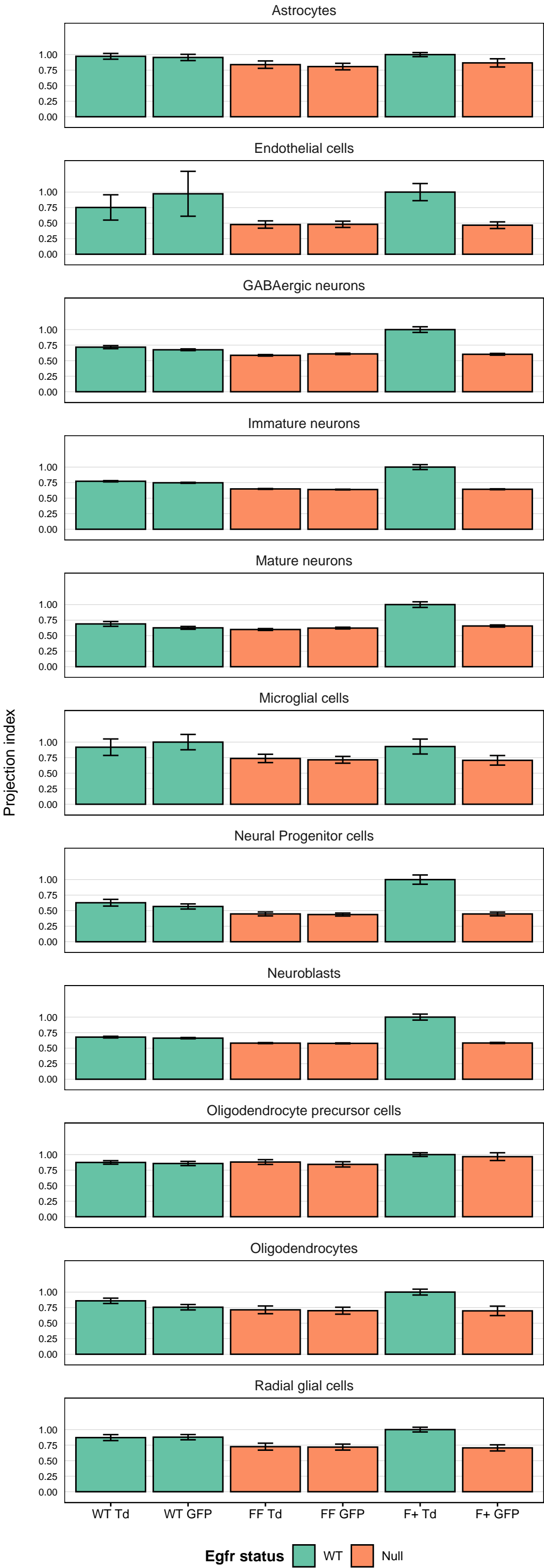
Top genes by kME

Gm17207
Gm46367
Cfap97d1
Gm38839
Gm48102
4930592A05Rik
Gm12146
Sh2d1a
8030451O07Rik
Gm15522
Gm47359
Gm49761
Gssos1
Ccl22
Gm44982
Gm31706
Slc16a3
Pate4
Gm11638
Gm20642



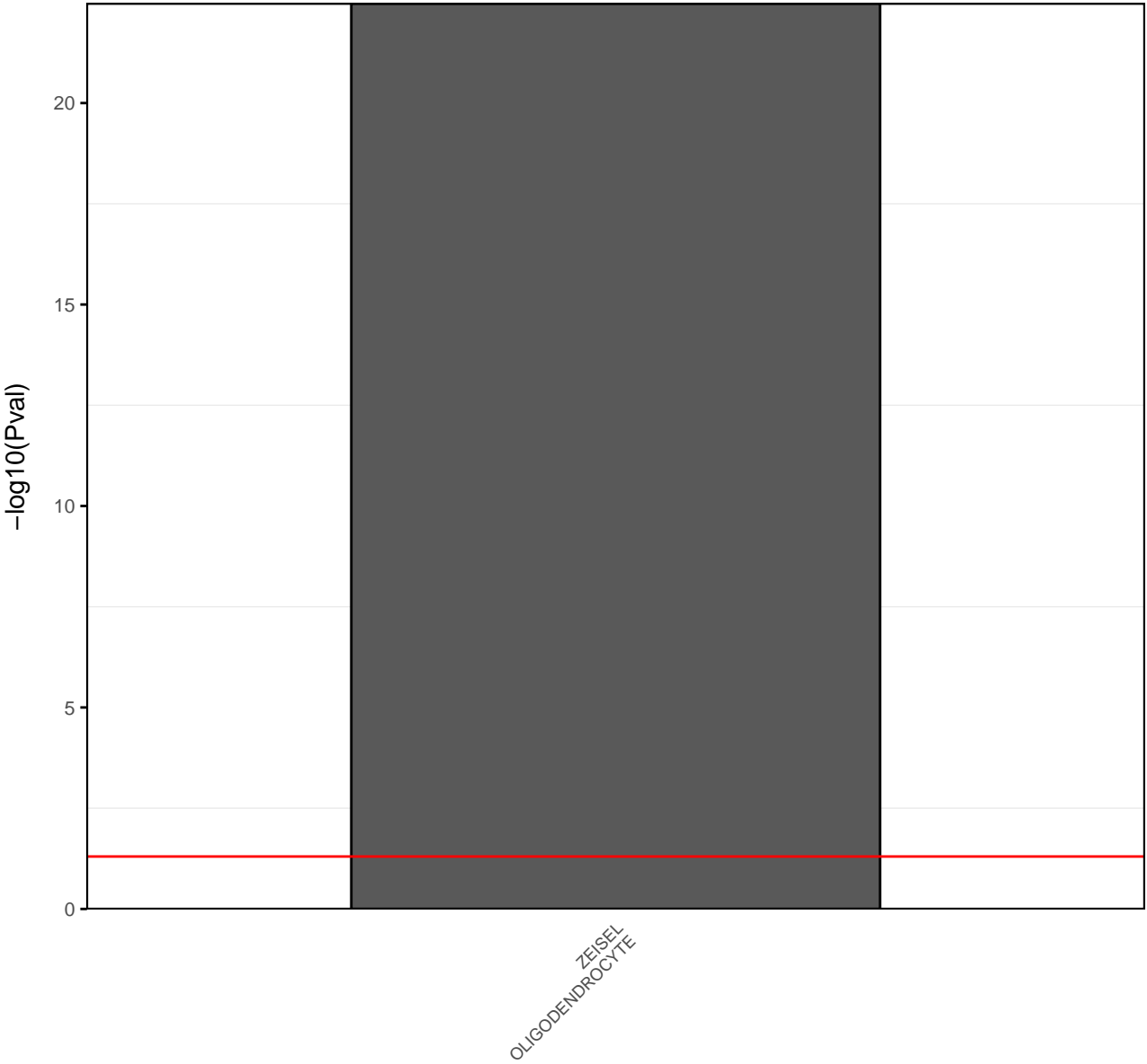
cyan module
Top 100 by kME

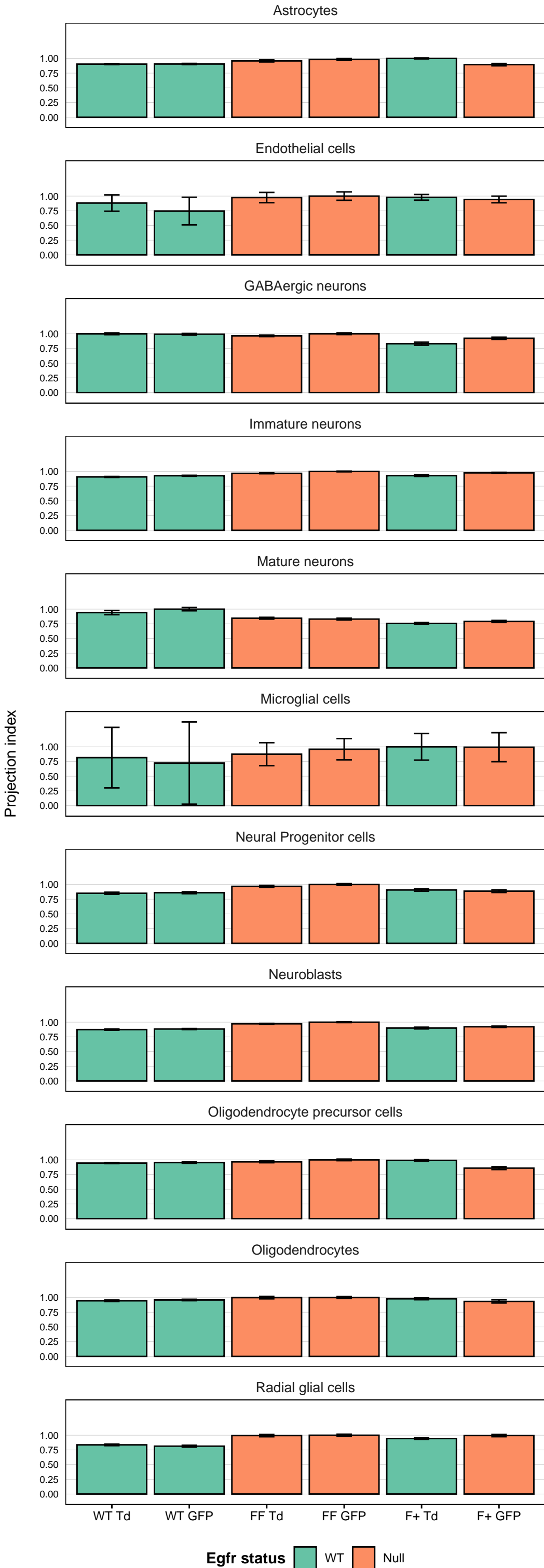
Bicor-None_signum0.607_minSize15_merge_ME_0.85_18566



Top genes by kME

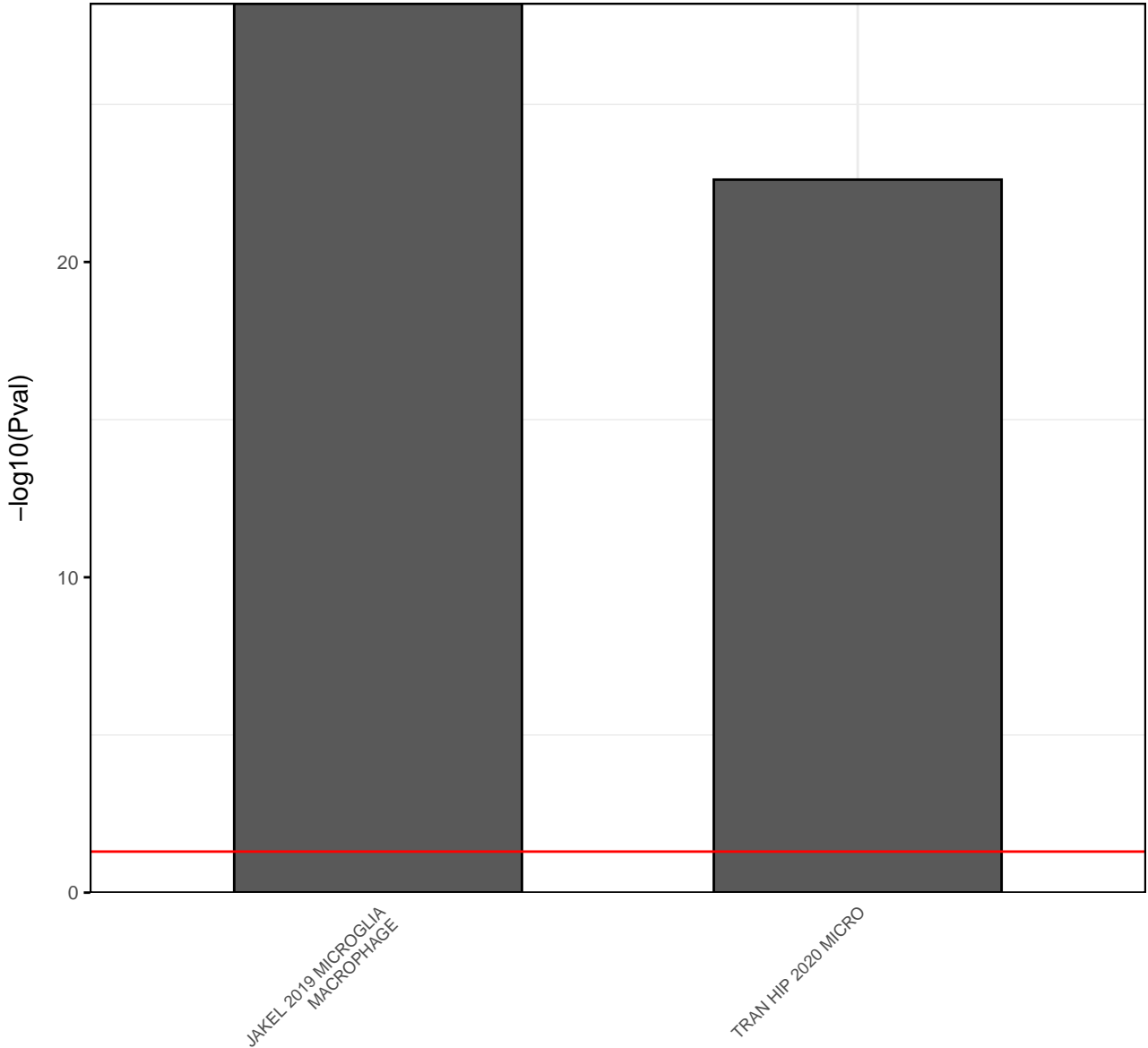
Ik
Gm7324
Zfp1
Mfap1a
Topors
Psip1
Nono
Fxr1
Pa2g4
Ppil4
Rab8a
Dnttip2
Ccdc173
Tlk2
Fam98b
Dnajc7
Dnajc8
Gripap1
Prpf3
Utp3

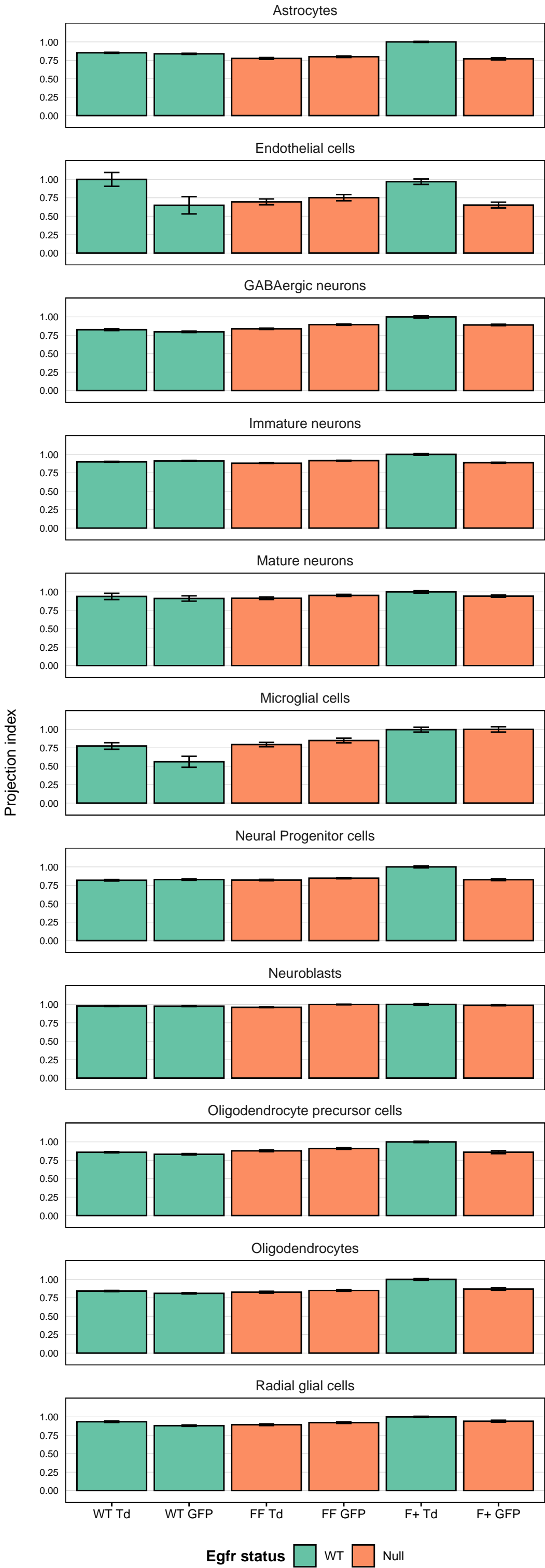




Top genes by kME

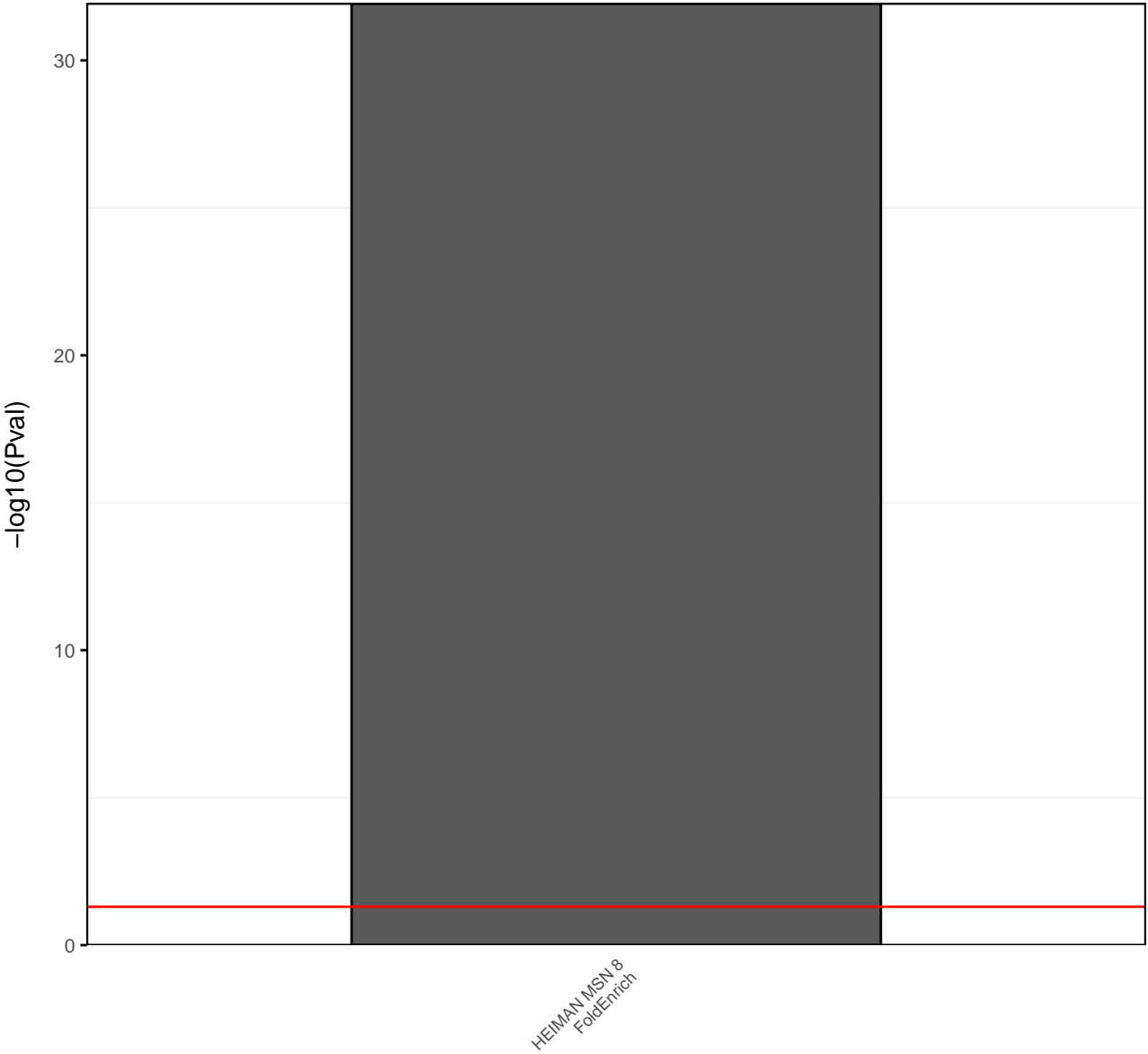
Gm17058
Them7
Gm29530
Gm48441
Il10
Gm47237
Gm36814
9130230L23Rik
Mocos
Spns3
Gm43017
Gm12120
Gm42109
Insl5
Tex12
Gm35164
Calhm5
1700108F19Rik
Mslnl
Bglap

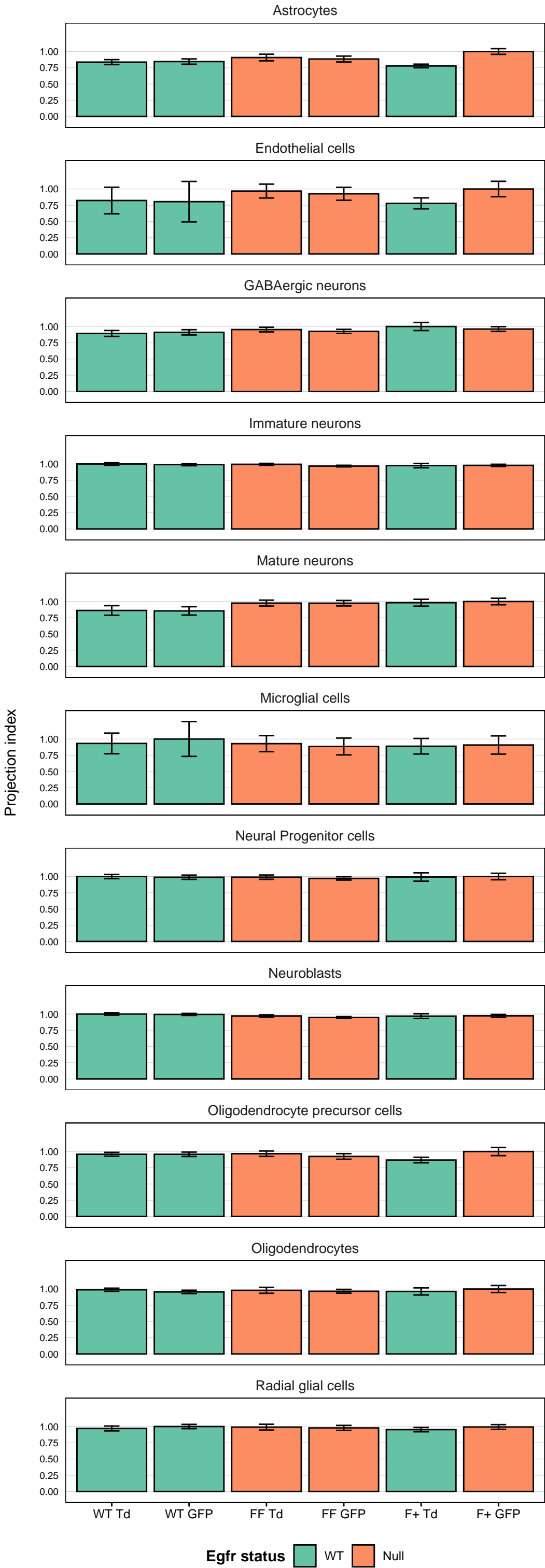




Top genes by kME

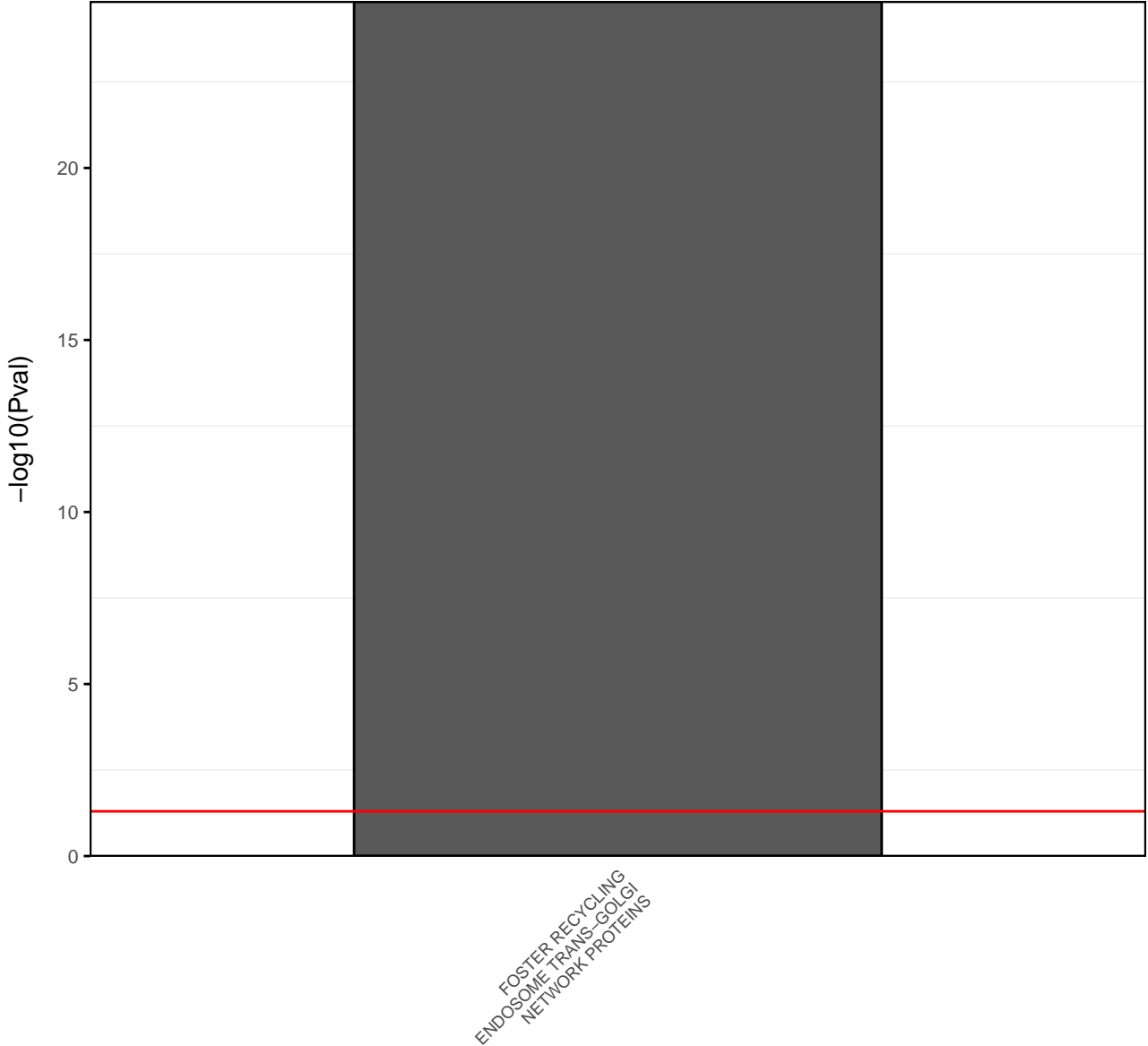
Serpina9
Scn4b
Rarb
Dlx6
Car6
Pde7b
Irf6
Slc5a7
Frem2
Gm35206
Gng7
Drd2
Ido1
Strip2
Th
Nexn
Ppp1r1b
Rgs9
Rxrg
Fam222a

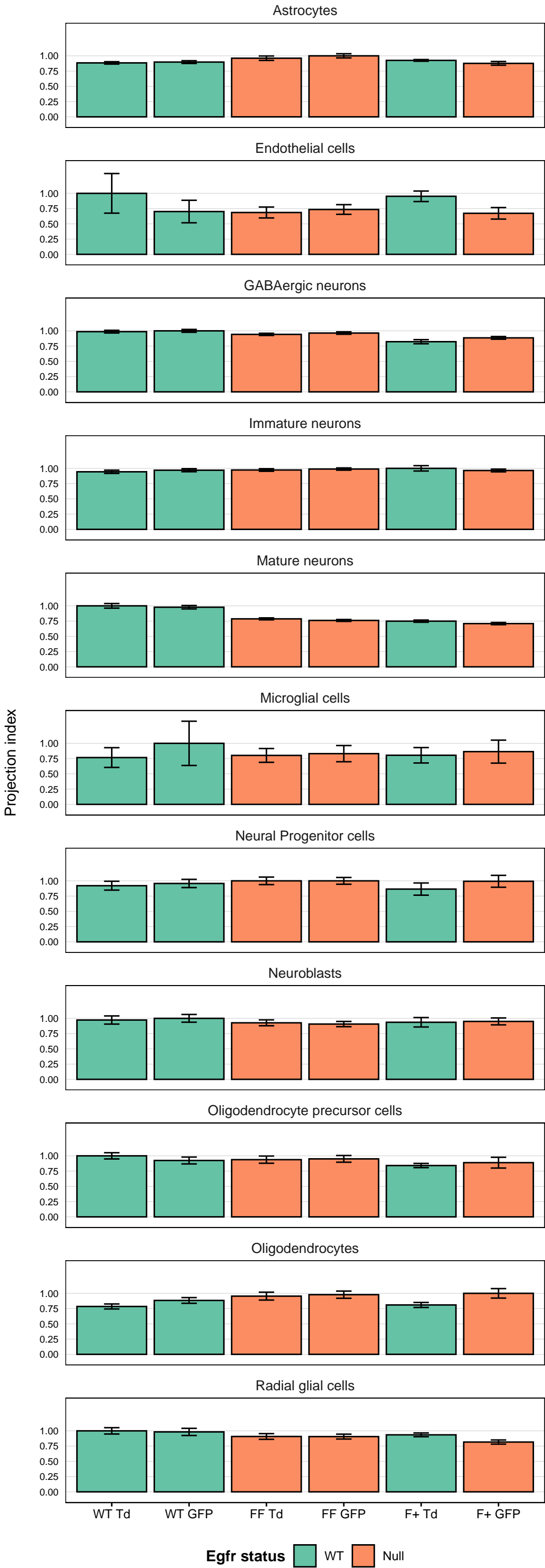




Top genes by kME

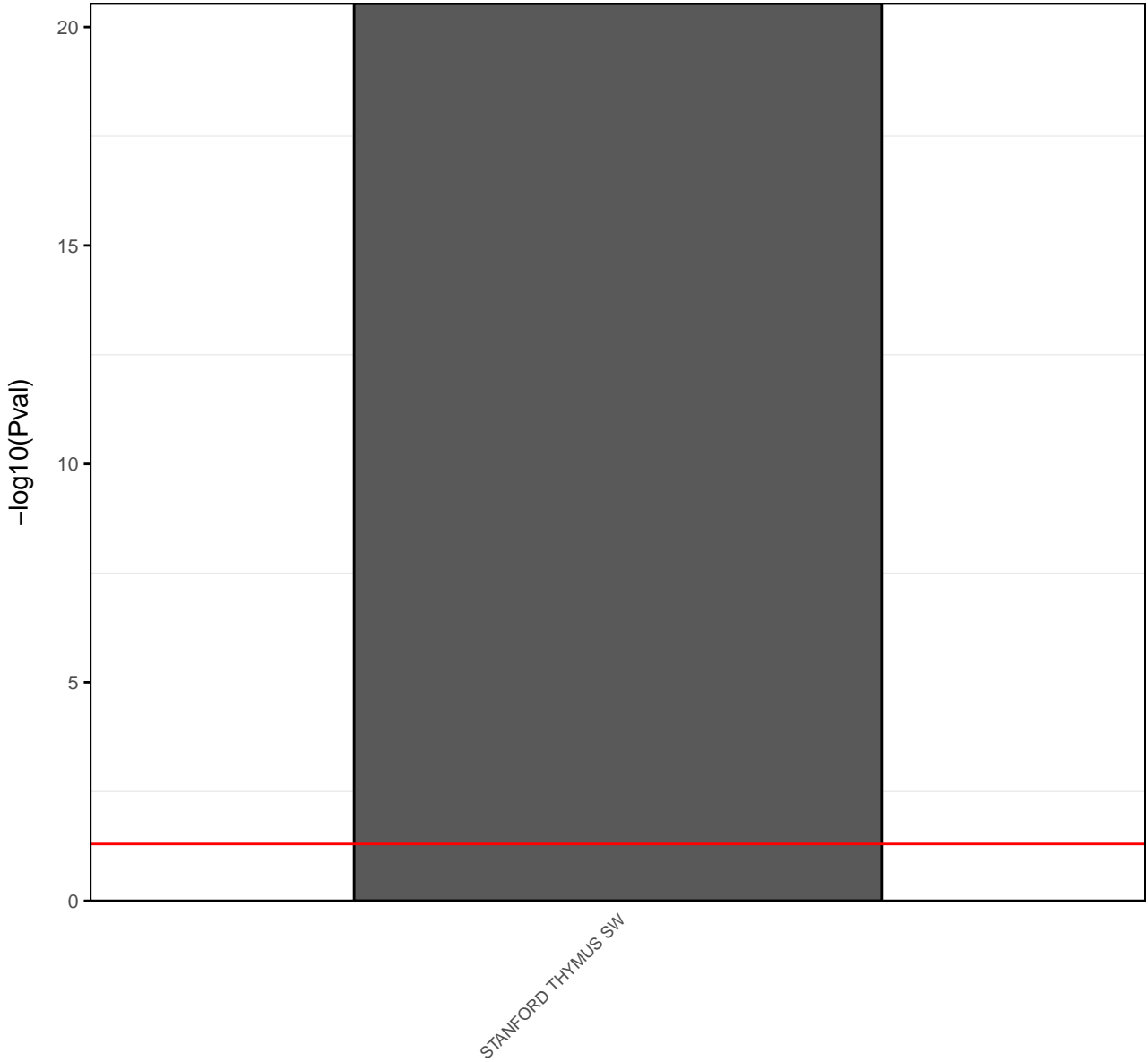
Gm36551
Gm47648
Gm45645
Olfr107
1700060C20Rik
Gm36602
Gm16169
Gm29455
Trim12a
Rbm15
4930474N09Rik
Gm28198
Fshr
Cst12
Gypa
Gm10961
Gm15777
Aanat
Gm49208
Heatr4

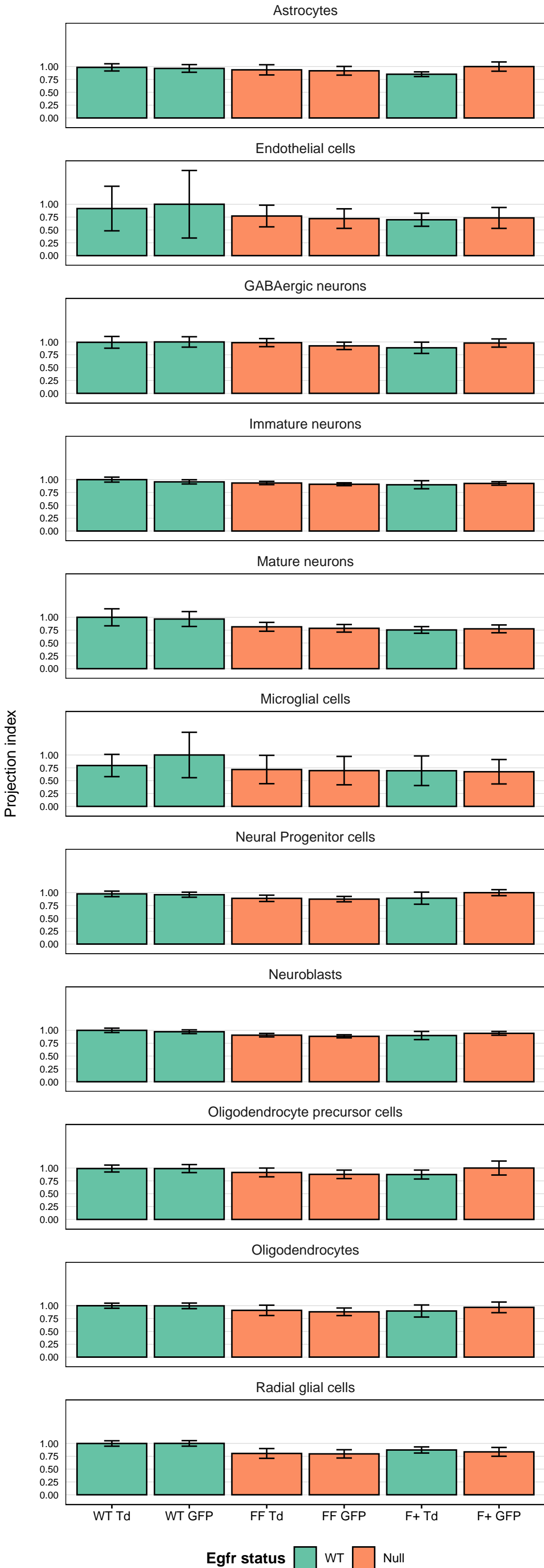




Top genes by kME

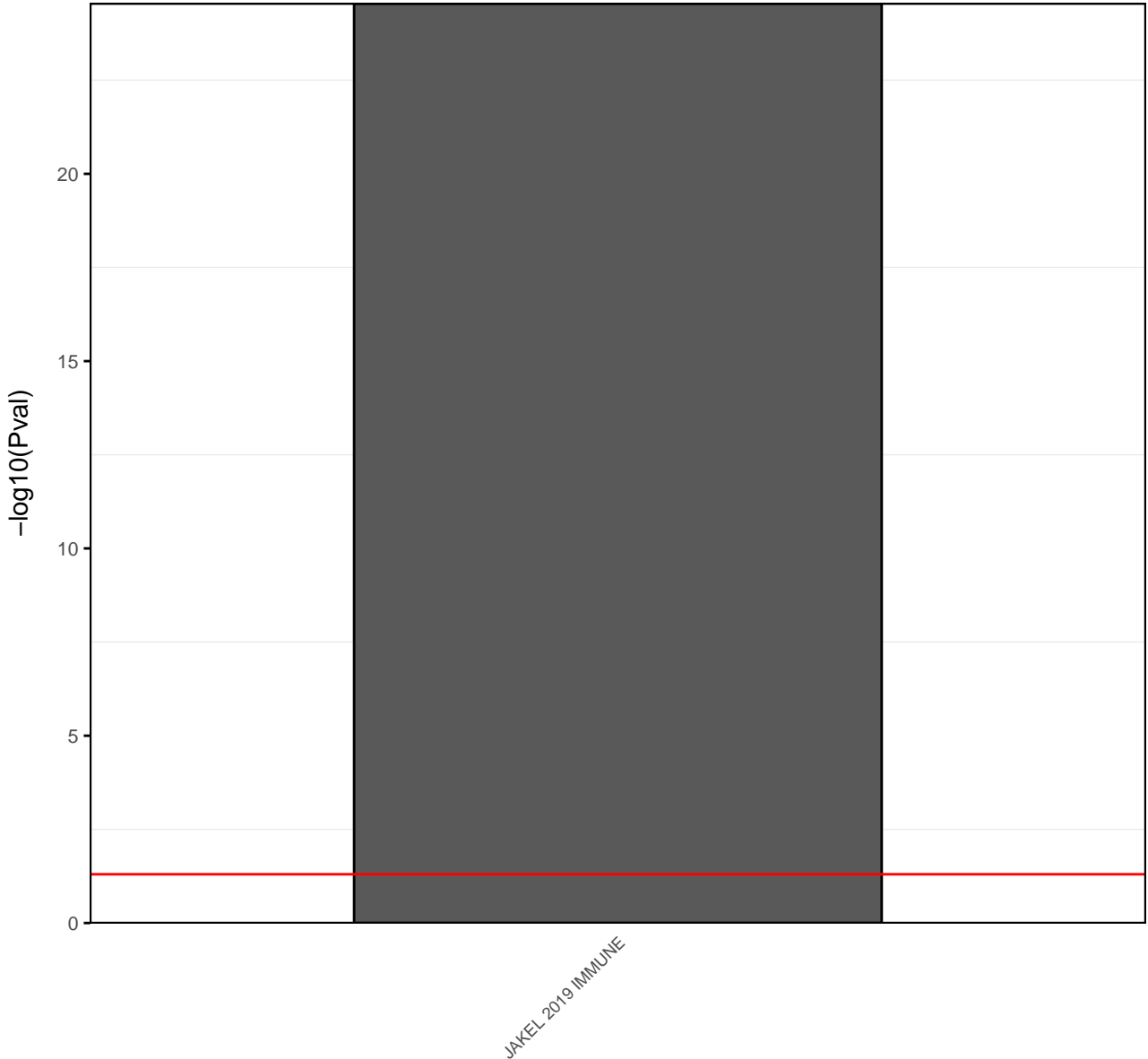
Cdca2
Tes3-ps
Ncapg2
Tacc3
Ncapd2
Usp45
Ttk
Gas2l3
Top2a
Nek2
Rbl1
Ccnb1
Vps4b
Aqr
Cdc20
D430020J02Rik
Ncaph
Bub1
Cdk1
Dhfr



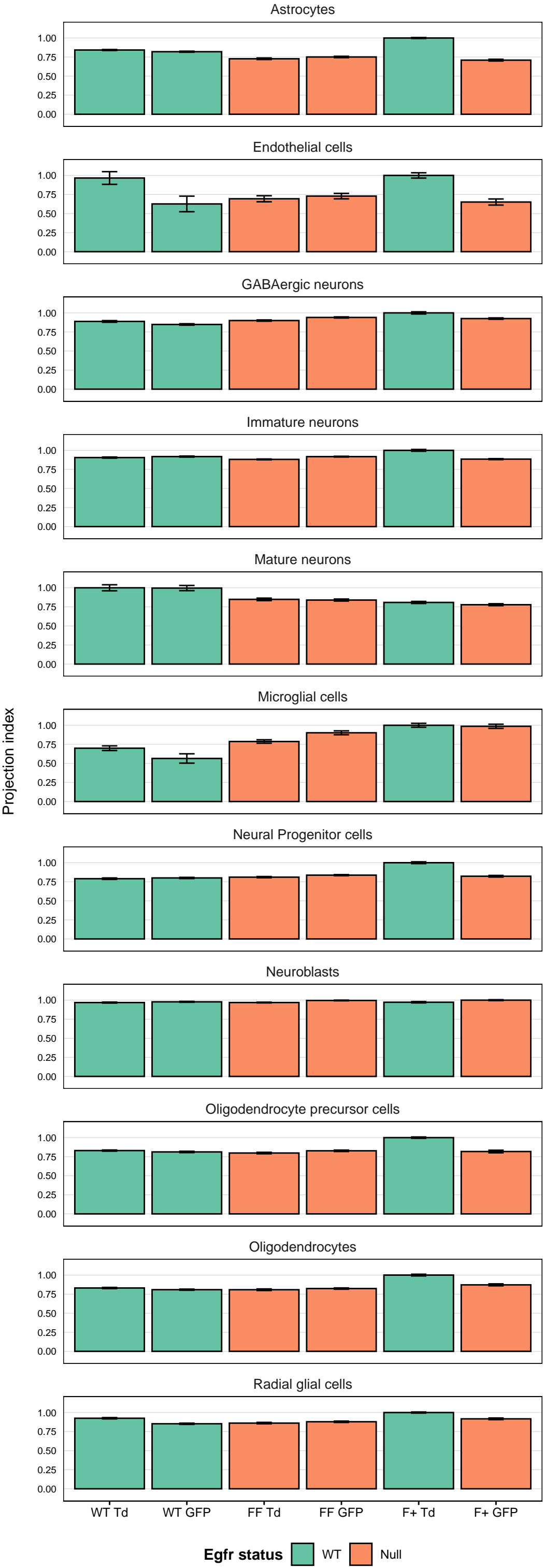


Top genes by kME

Rpl39
Nudt13
Klc4
Rab33a
Lsm5
Exosc7
Iah1
Rps17
Hint2
Cstb
Bola1
Al413582
Tmem50a
9530077C05Rik
Lsm10
Rpl36
Ubl5
Bbs12
Rps15a
Nudt22

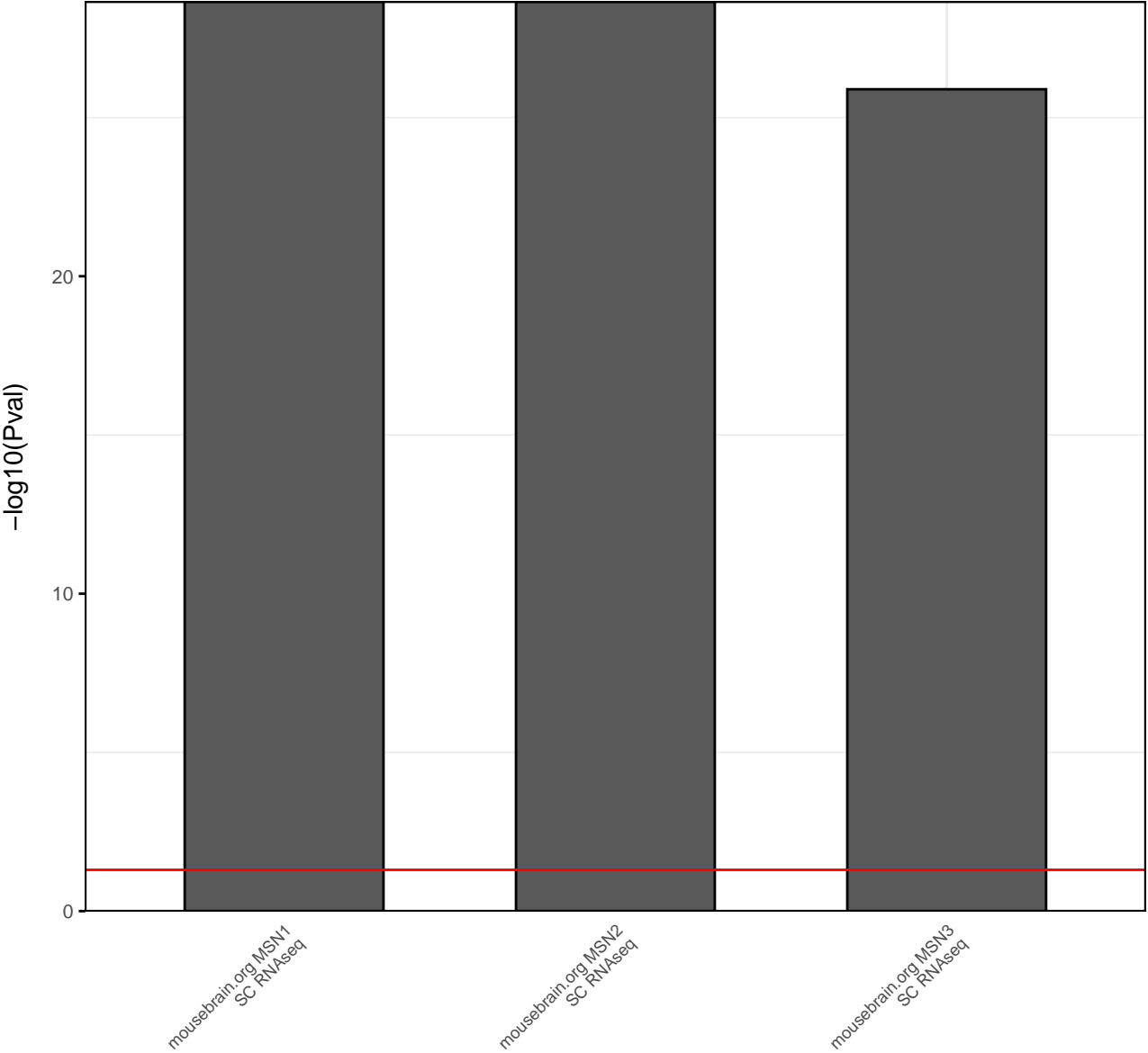


darkslateblue module
Top 100 by kME
Bicor-None_sigum0.757_minSize8_merge_ME_0.85_18566

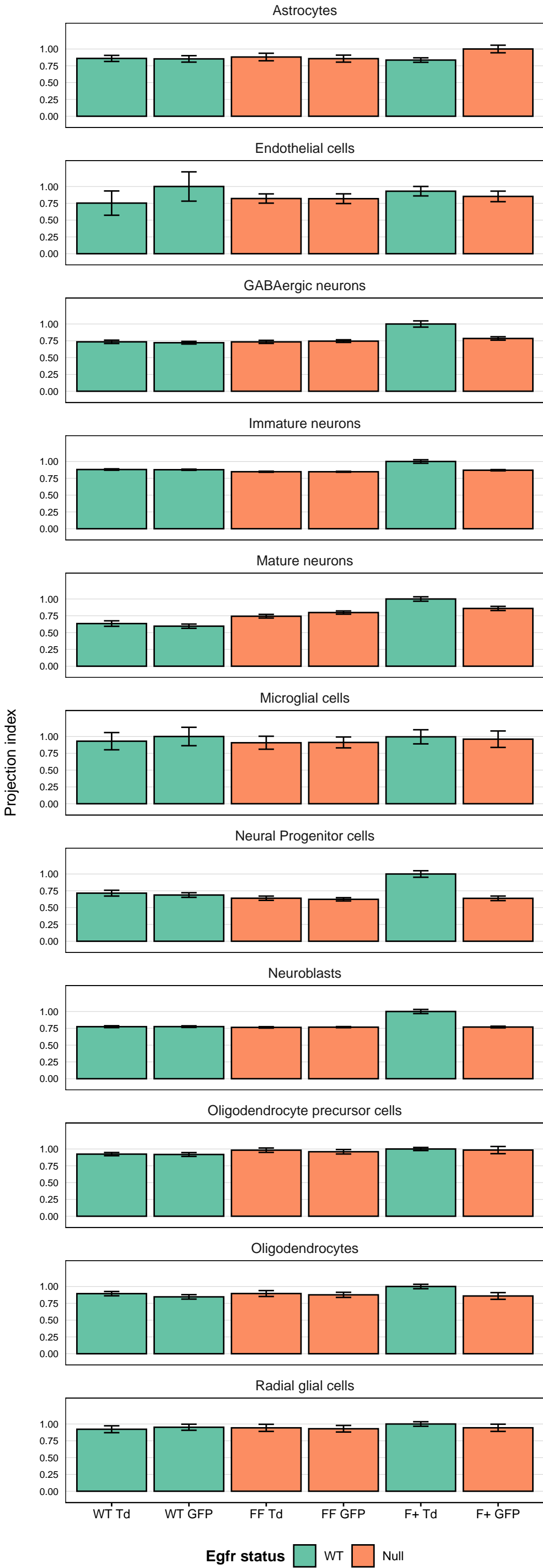


Top genes by kME

Serpina9
Dlx6
Scn4b
Drd2
Rarb
Gm35206
Ido1
Ppp1r1b
Irf6
Nexn
Adora2a
Rxrg
Strip2
Slc5a7
Pde10a
Gng7
Prss56
Th
Ebf1
Gm12898

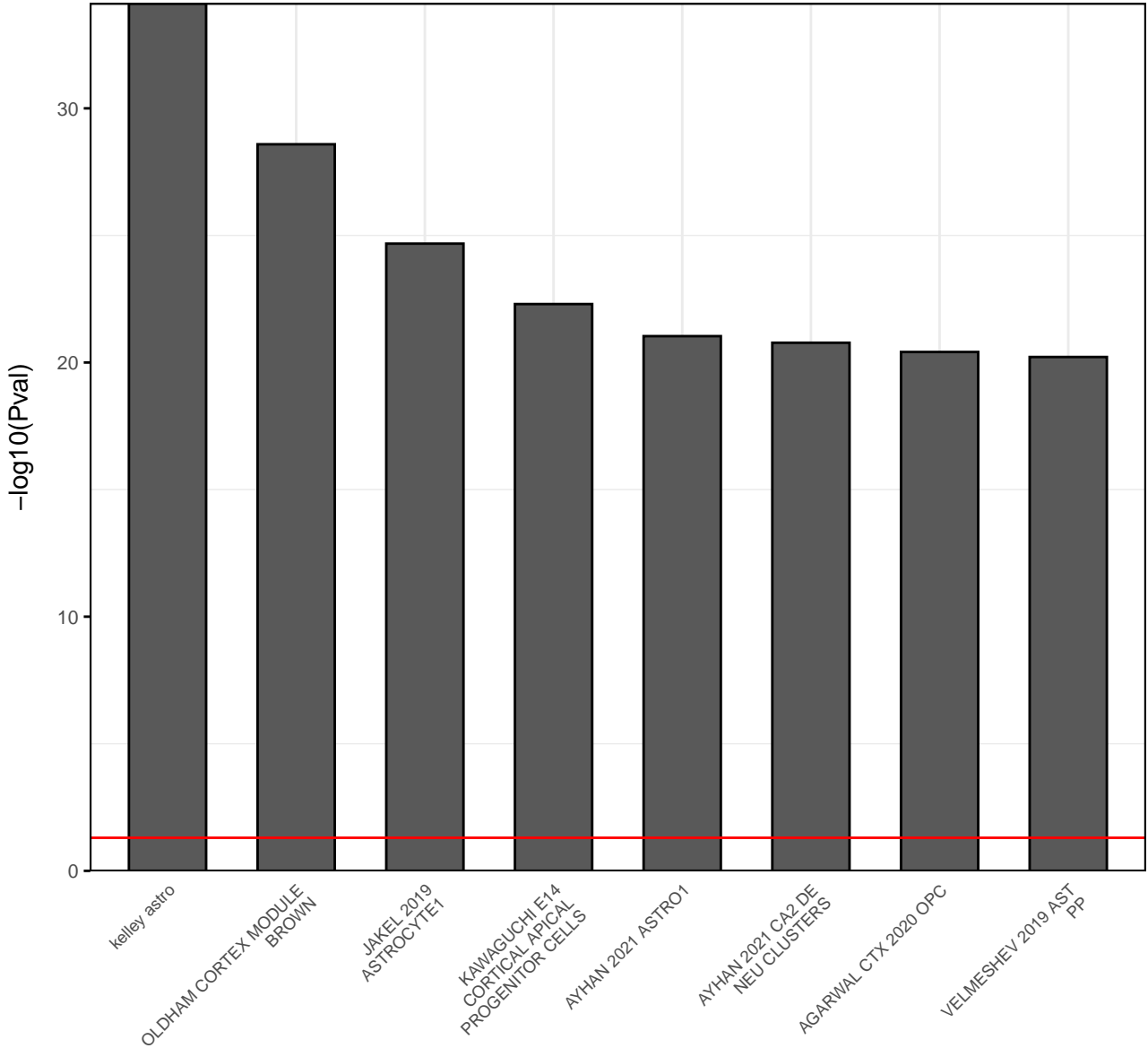


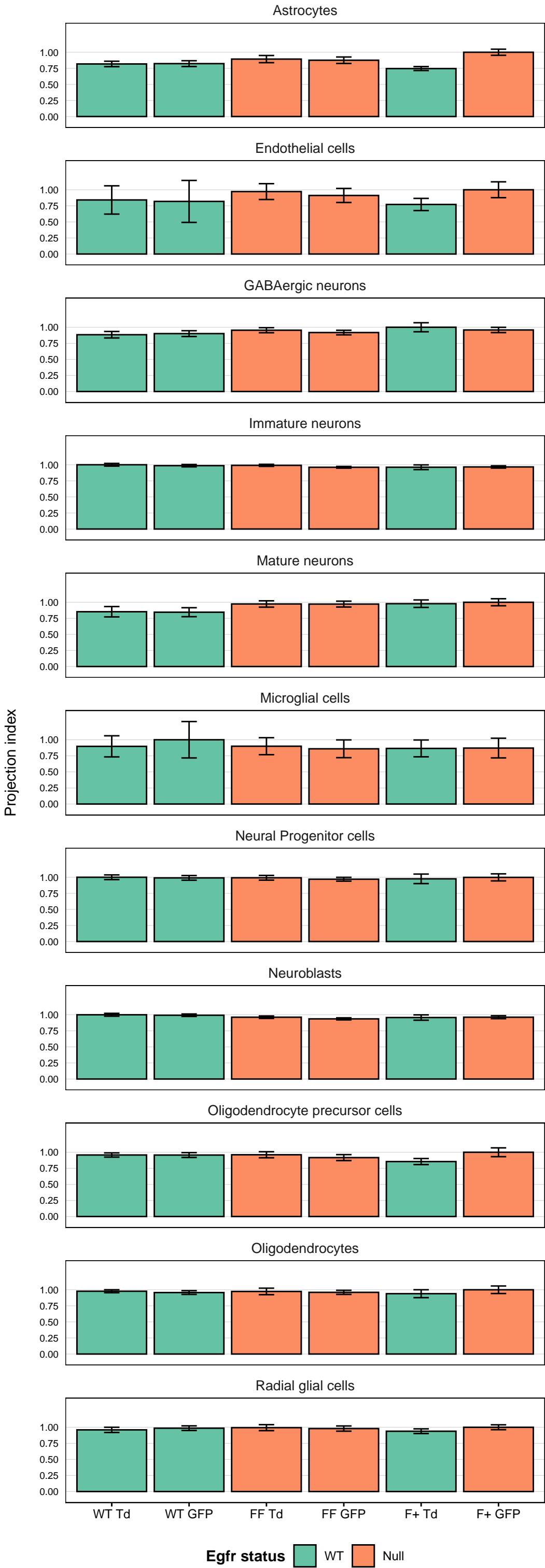
grey60 module
Top 100 by kME
Bicor-None_signum0.508_minSize20_merge_ME_0.85_18566



Top genes by kME

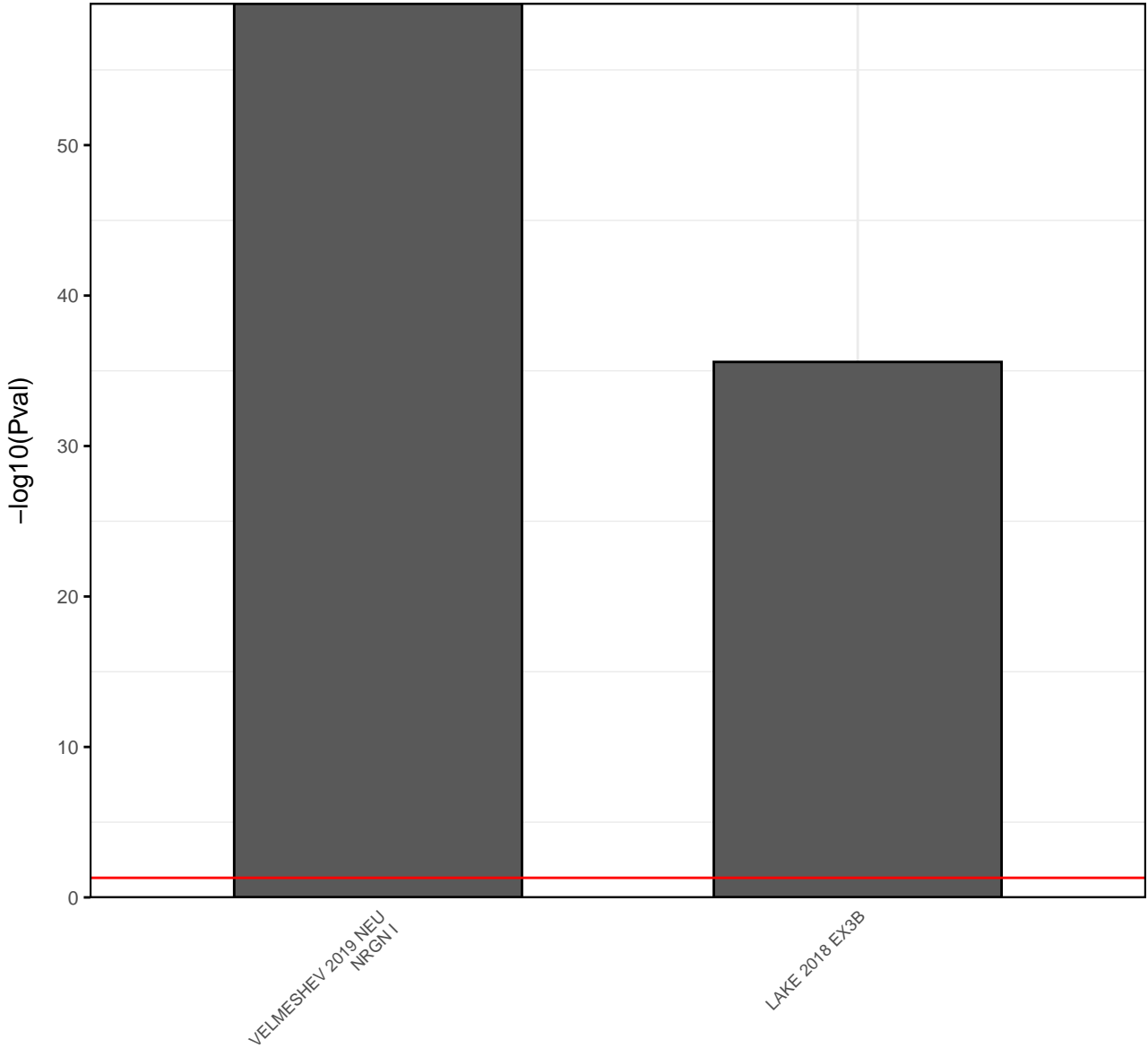
Ppp1r3c
Plcd4
Pgm1
Zswim3
Hes5
Cmtm5
Gm2a
Phgdh
Myorg
Mfge8
Lamp1
Bsg
Scp2
Slc17a7
Rcn2
Gabrg1
Sash1
Arhgef19
Chst1
Acad11





Top genes by kME

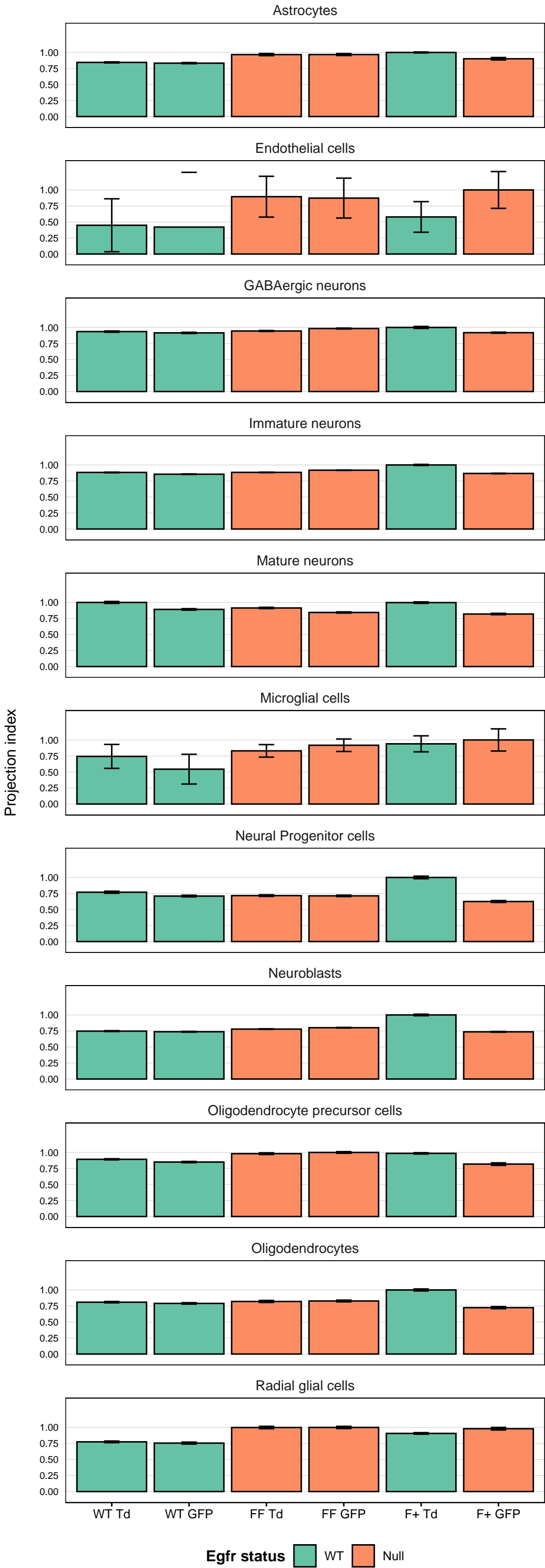
- Cadm2
- Kcnh1
- Agtpbp1
- Fhod3
- Sorcs1
- Pdzd2
- Tspan5
- Ldlrad4
- Plcxd2
- Klhl1
- Mtcl1
- Pik3r1
- Frmpd4
- Ephx4
- 9130227L01Rik
- Kcnh5
- Kcnn1
- Rgs6
- Ipcef1
- Akap7



yellow module

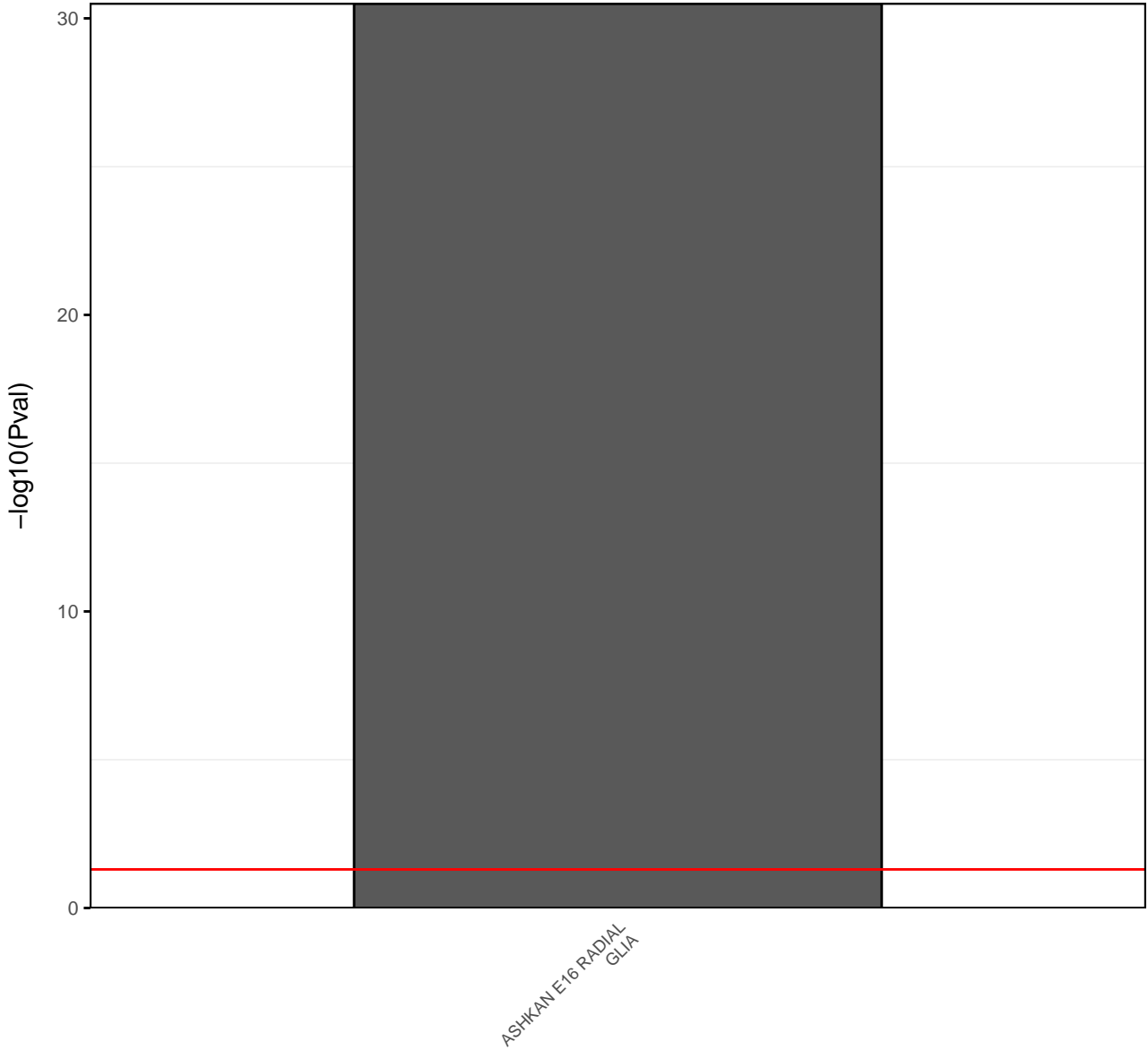
Top 100 by kME

Bicor-None_signum0.551_minSize20_merge_ME_0.85_18566



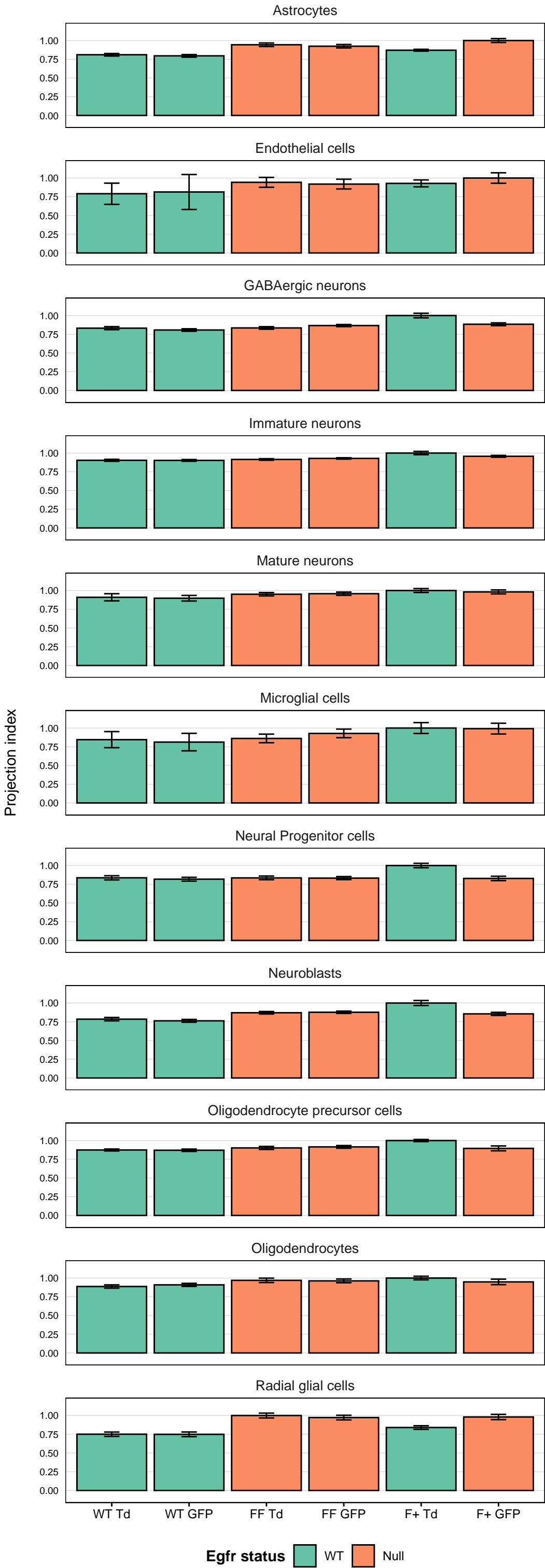
Top genes by kME

Spaca7
4930447A16Rik
2900092C05Rik
Sult3a1
Gm10800
4930533B01Rik
Gm12092
Gm13842
2210414B05Rik
4930555B11Rik
Gm15046
Gm11739
Gm16555
Vmn2r82
Gm26724
Gm27187
Gm45720
Gm35041
Gm48617
4930415C11Rik



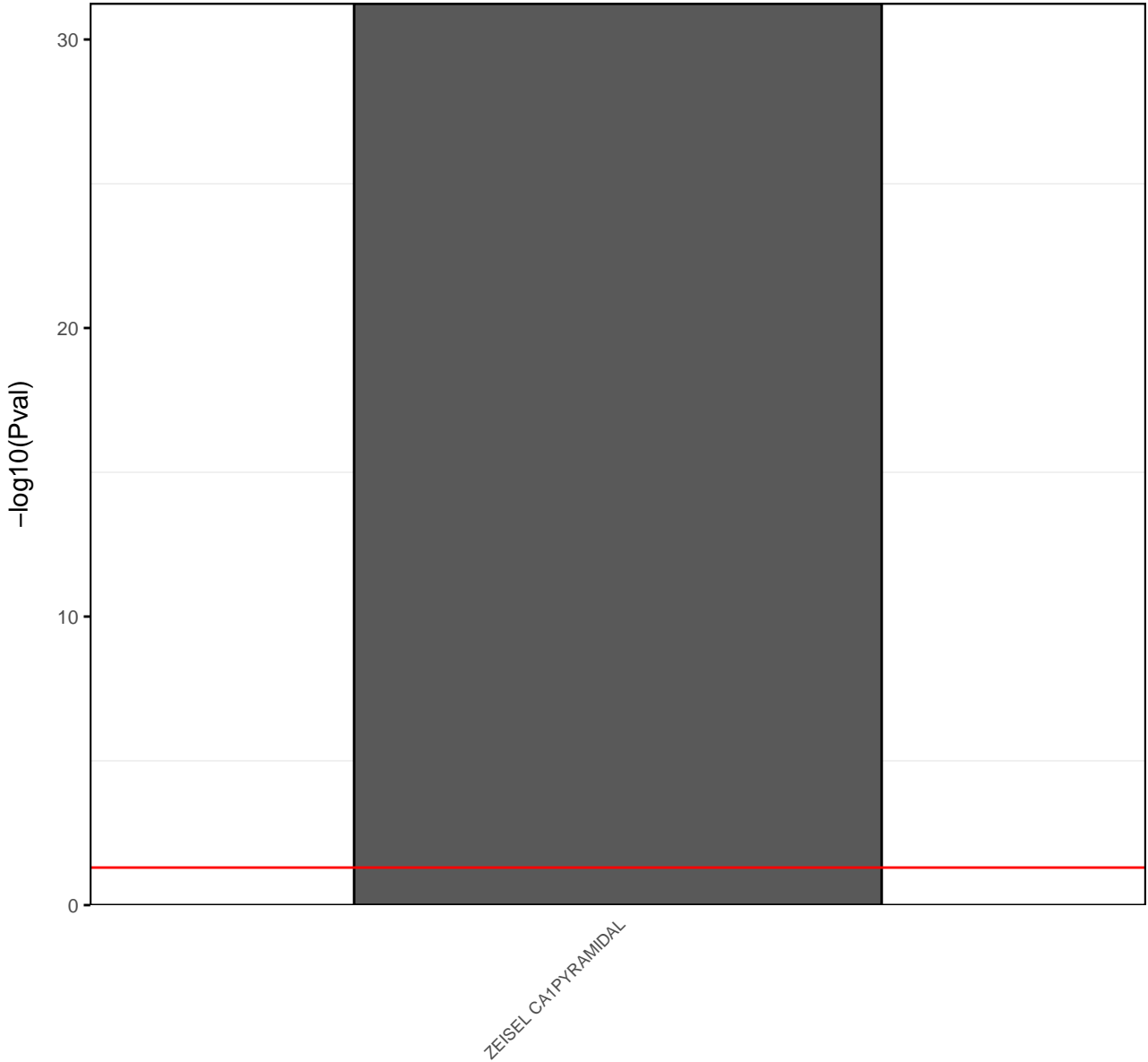
blue module
Top 100 by kME

Bicor-None_signum0.551_minSize20_merge_ME_0.85_18566



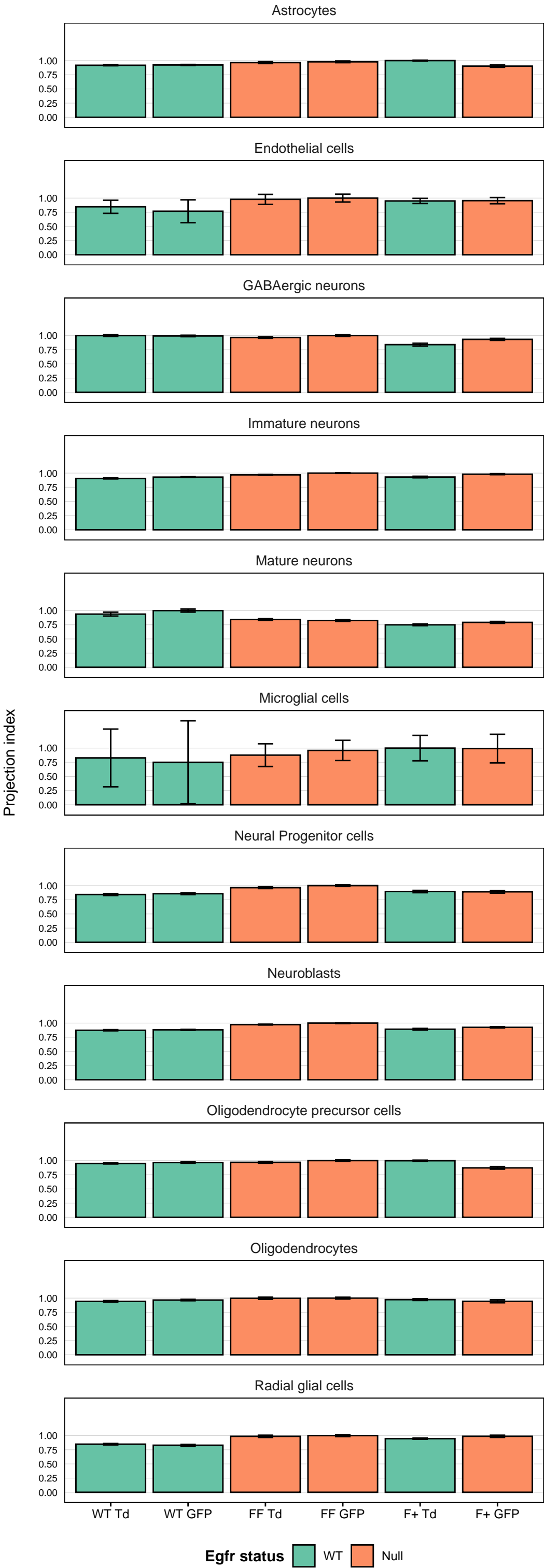
Top genes by kME

Gm36551
Gm47648
Gm45645
Olfr107
1700060C20Rik
Gm36602
Gm16169
Gm29455
Trim12a
Rbm15
4930474N09Rik
Gm28198
Fshr
Cst12
Gypa
Gm10961
Gm15777
Aanat
Gm49208
Heatr4



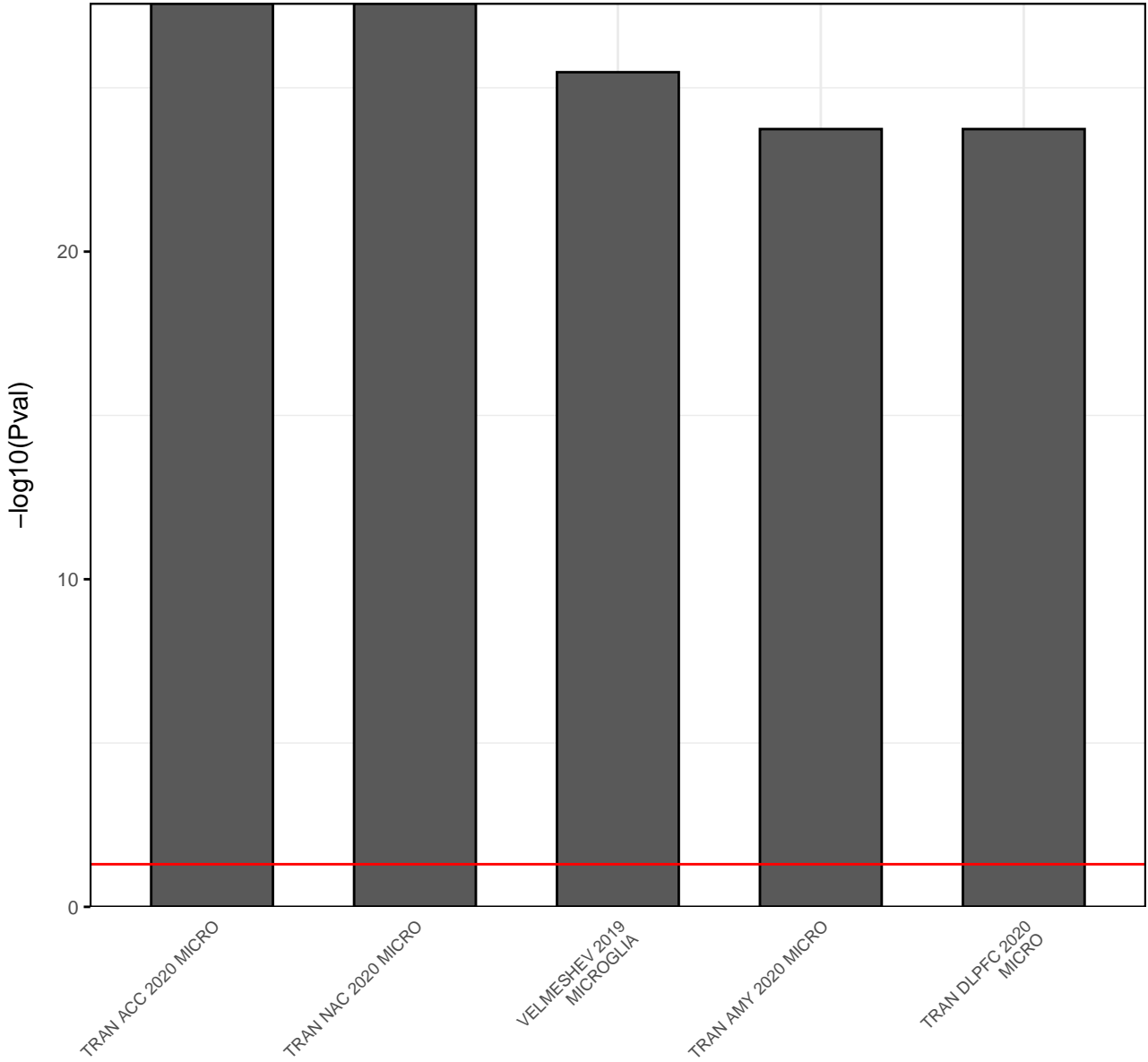
tan module
Top 100 by kME

Bicor=None_signum0.551_minSize20_merge_ME_0.85_18566



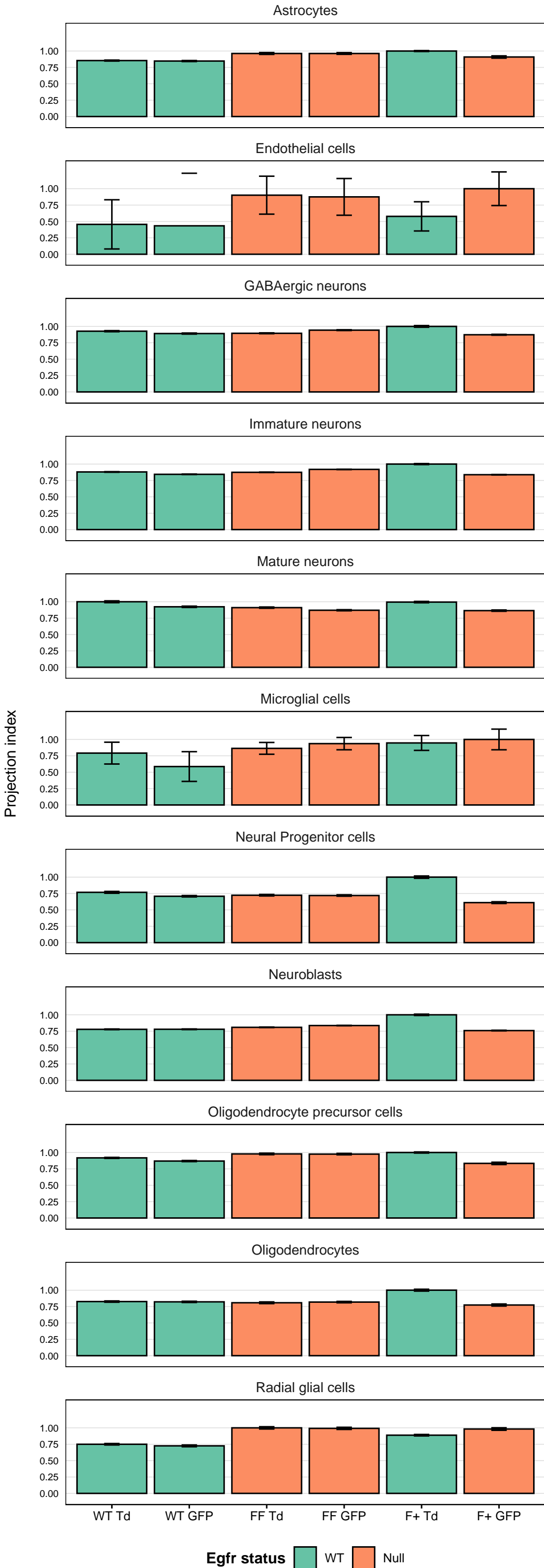
Top genes by kME

Il10ra
C1qb
Rassf4
Ncf1
Arhgap45
Nckap1l
Npl
Dock2
C1qc
Ints6l
C1qa
Unc93b1
Cx3cr1
Rab32
Cyth4
Cplane1
Fyb
Clk1
Naip2
P3h3



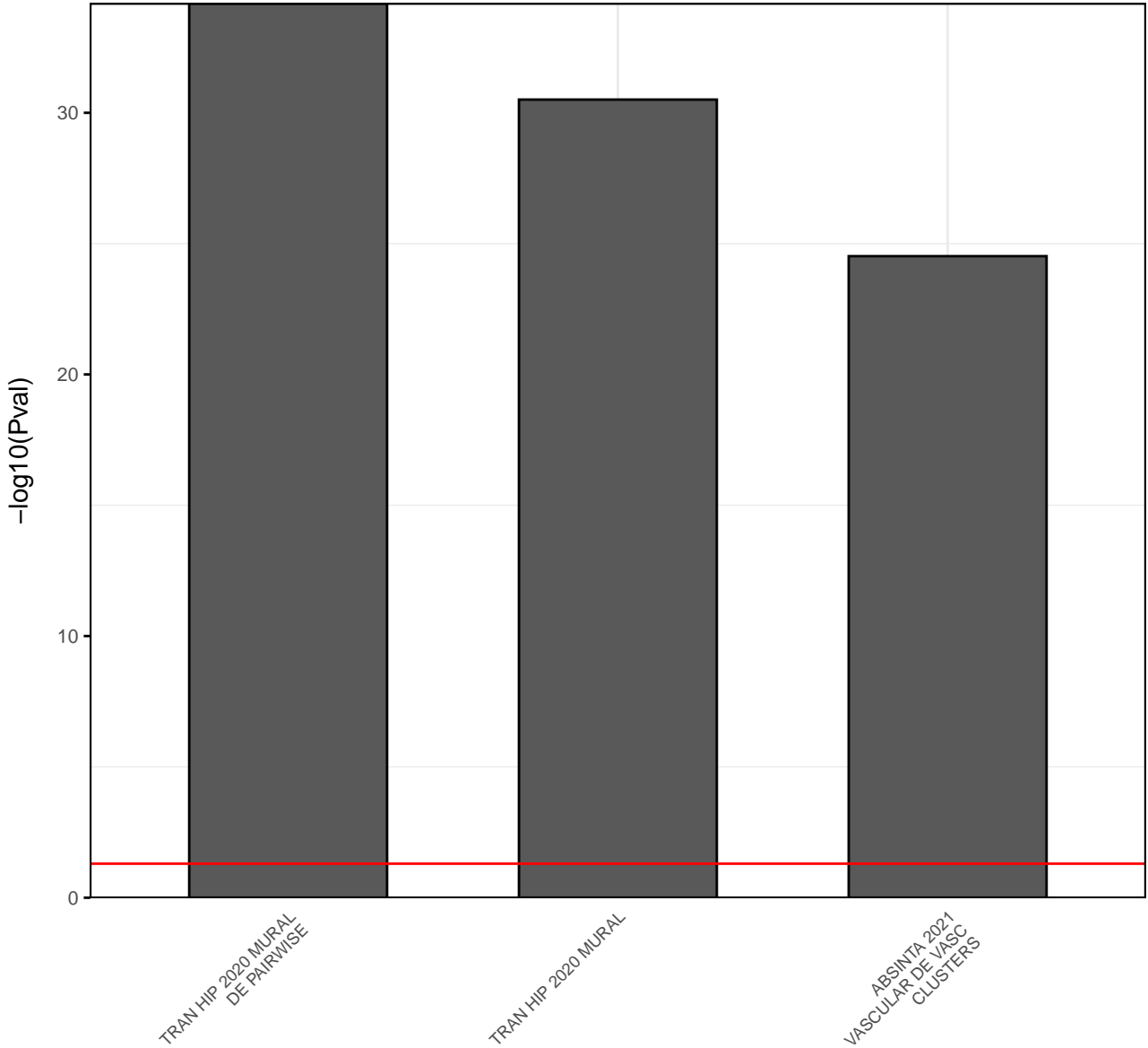
blue module
Top 100 by kME

Bicor=None_signum0.577_minSize12_merge_ME_0.85_18566

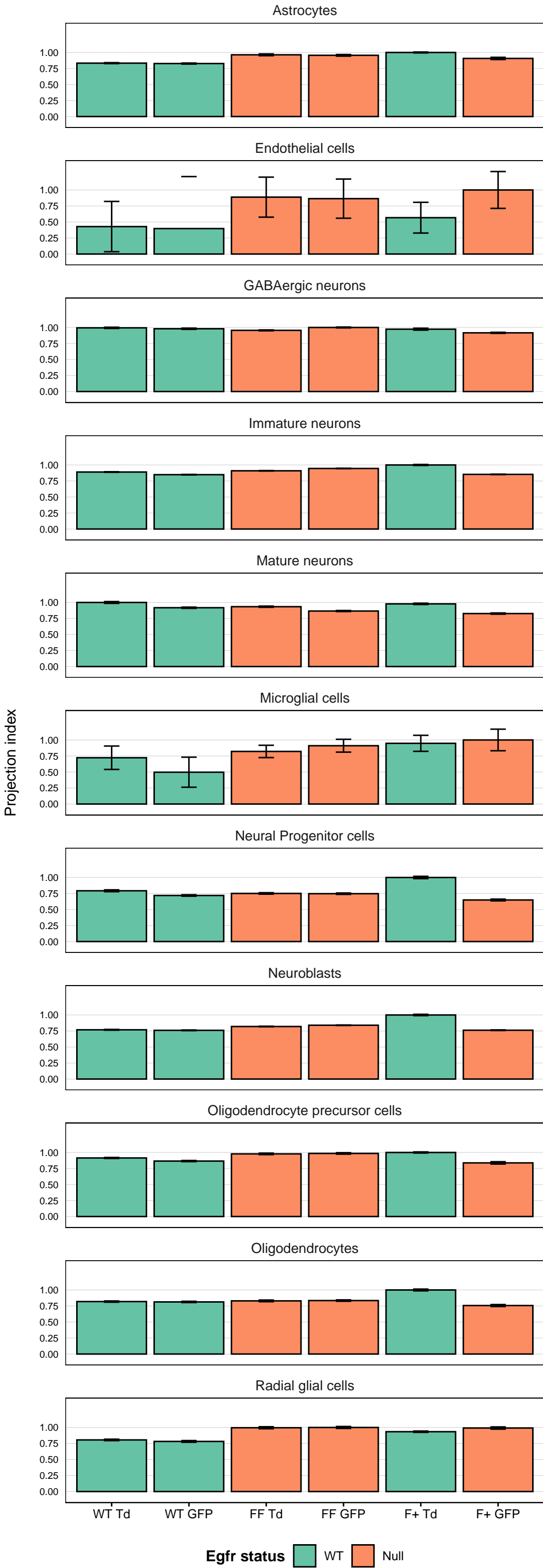


Top genes by kME

Gm16958
Gm49708
Gm43689
Gbp7
Fbn2
Fendrr
Gm42679
Hs3st3b1
Dntt
Usp49
Smim9
Ino80d
Plagl2
Tmem233
Rem1
Wdfy3
Dtx3l
Zc3hav1
Eva1c
4930594M22Rik

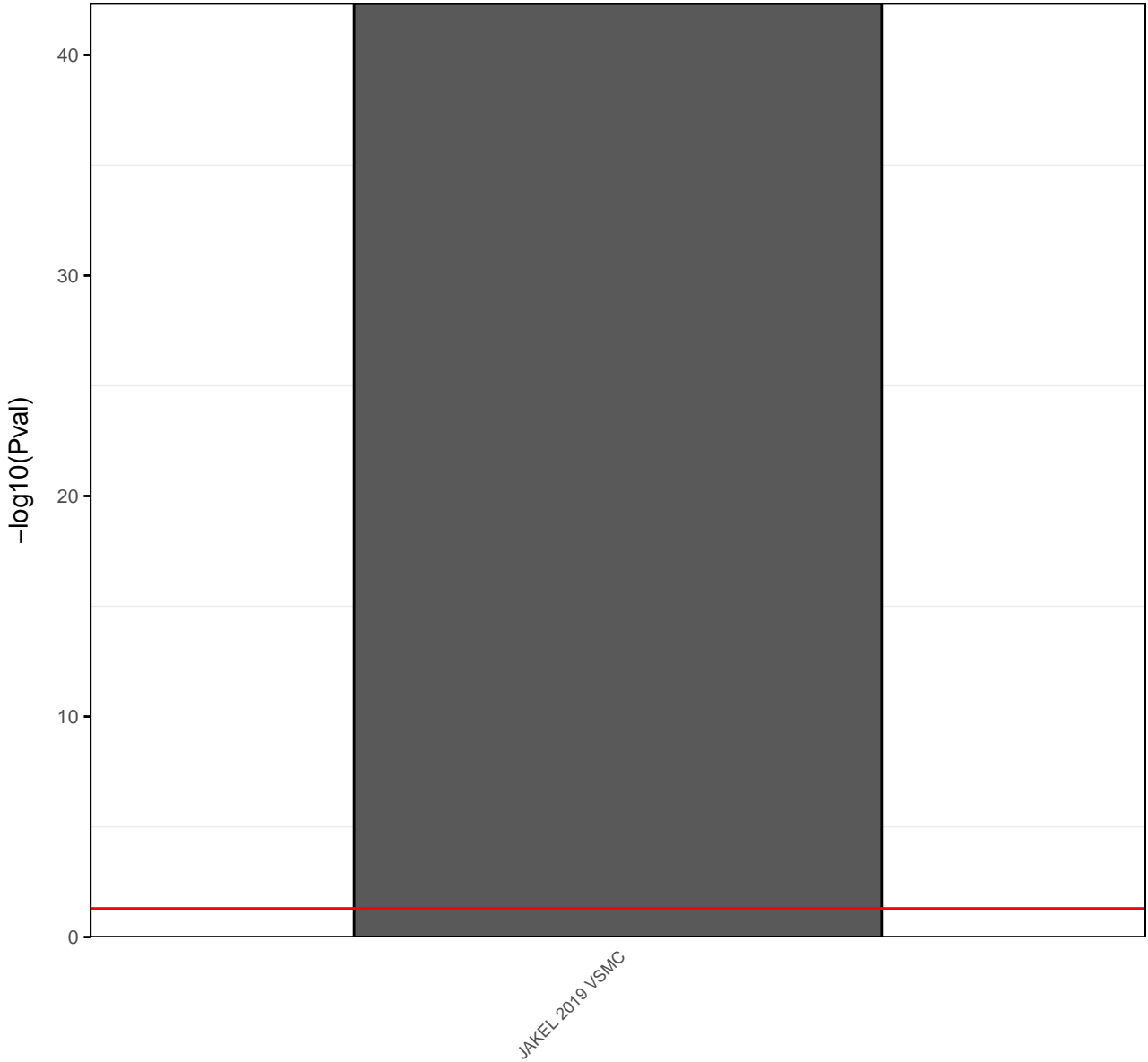


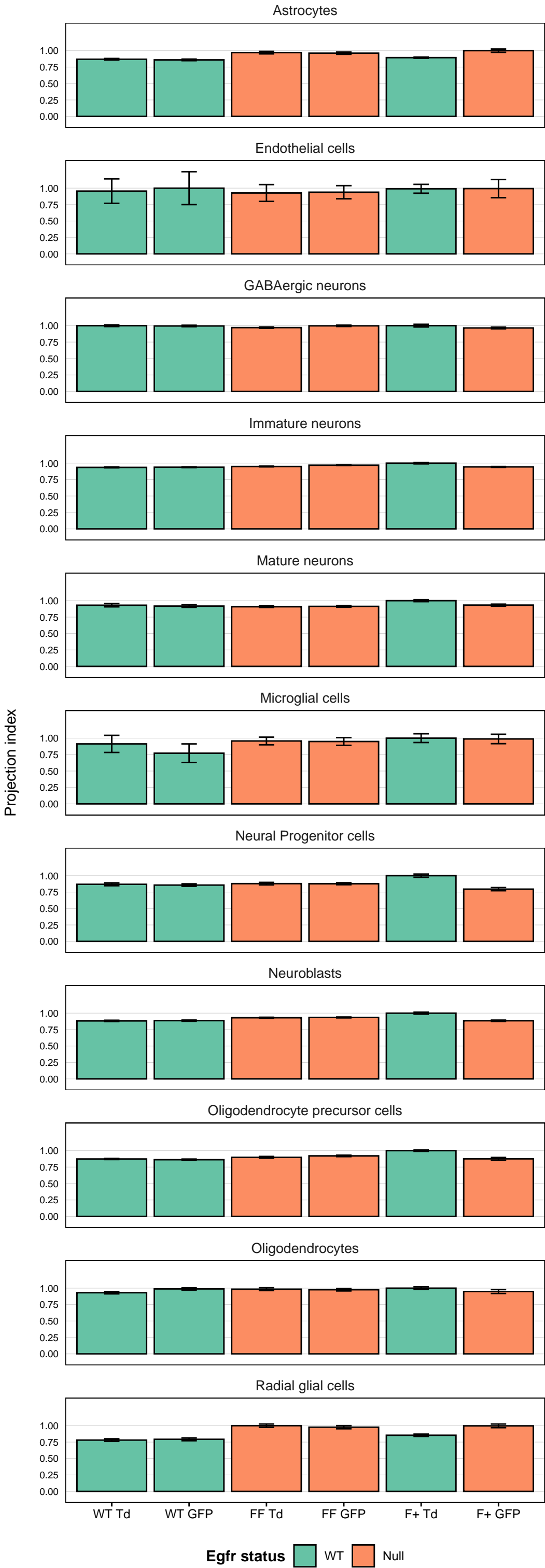
brown module
Top 100 by kME
Bicor-None_signum0.529_minSize12_merge_ME_0.85_18566



Top genes by kME

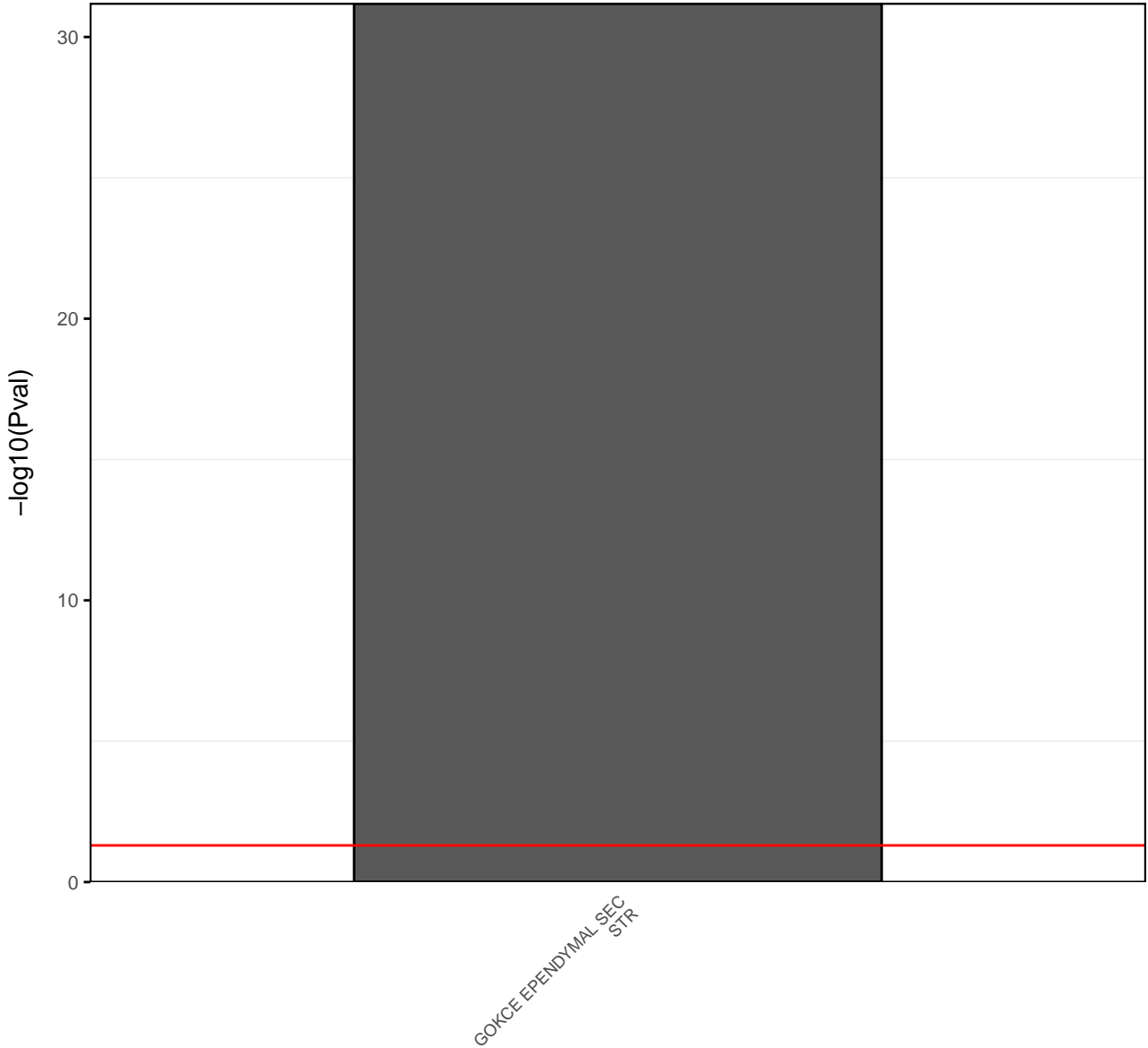
Olfml2a
Slc16a12
Slc7a11
Col6a1
Gabpb2
Bmp7
Colec12
Bmp5
Abca9
Wnk4
Cavin1
Alx4
Kank2
Agtrap
Fcgrt
Fam43a
Ddr2
Tfpi
Slc22a6
Dcn

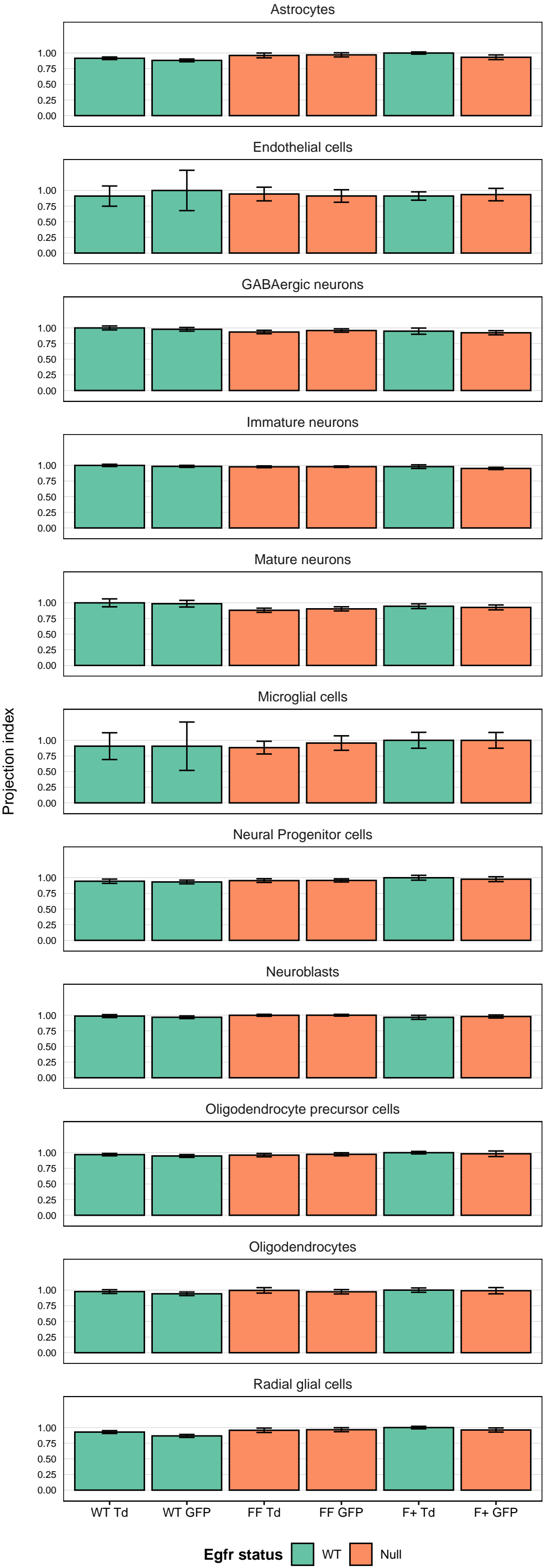




Top genes by kME

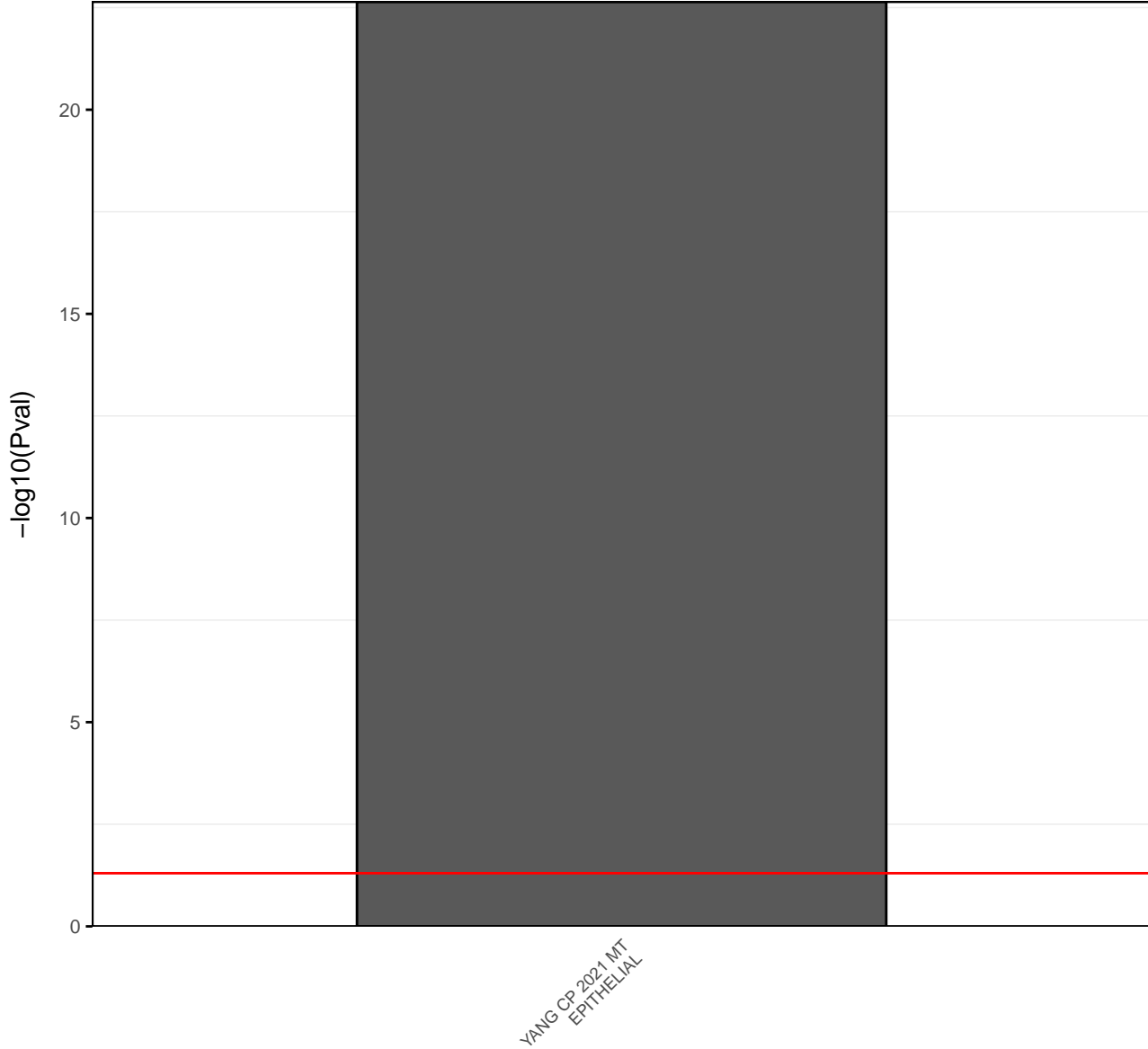
Clic6
F5
Cldn2
Otx2
Krt18
Kl
Wfikkn2
Itprp
Ttr
Iqgap2
Mfrp
Sgms2
Appl2
Slc4a5
Tmem72
Kcnk6
Rorc
Steap1
Cpt1b
Kcne2





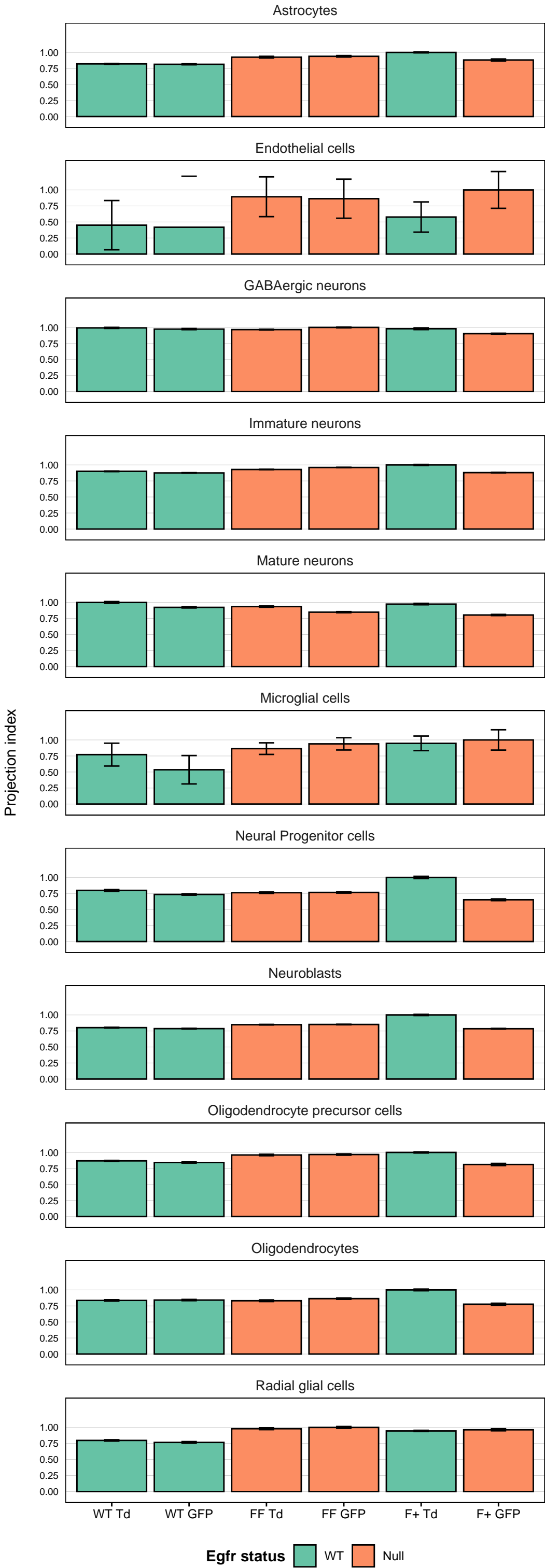
Top genes by kME

- mt-Co1
- mt-Co2
- mt-Atp6
- mt-Nd4l
- mt-Cytb
- mt-Co3
- mt-Nd1
- mt-Nd2
- mt-Atp8
- mt-Nd4
- Lsp1
- mt-Nd5
- Spata31d1a
- Tet2
- BC026513
- Gm49539
- Gm20705
- Mast4
- Bcl3
- Gm49745



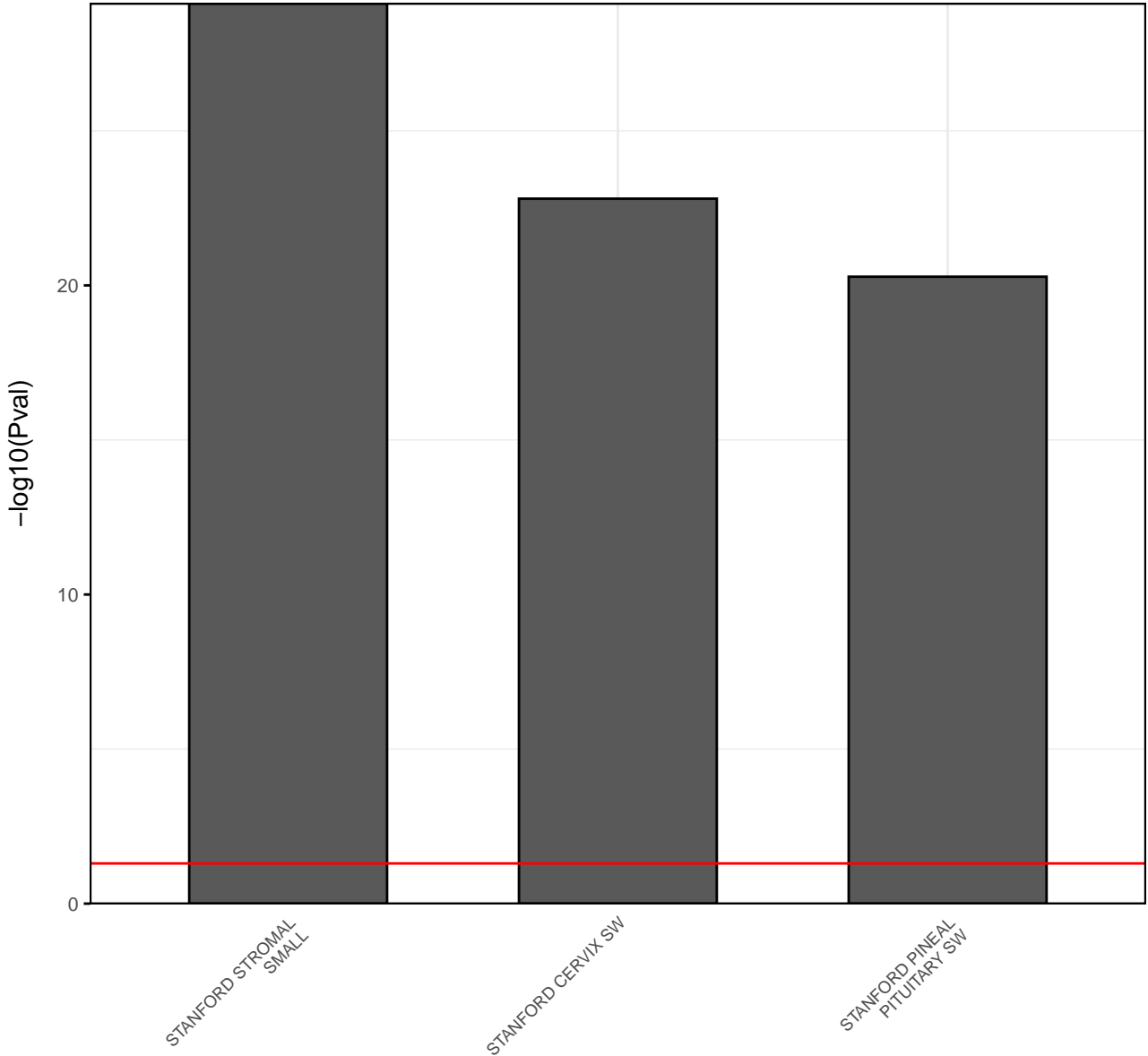
red module
Top 100 by kME

Bicor-None_signum0.757_minSize10_merge_ME_0.85_18566



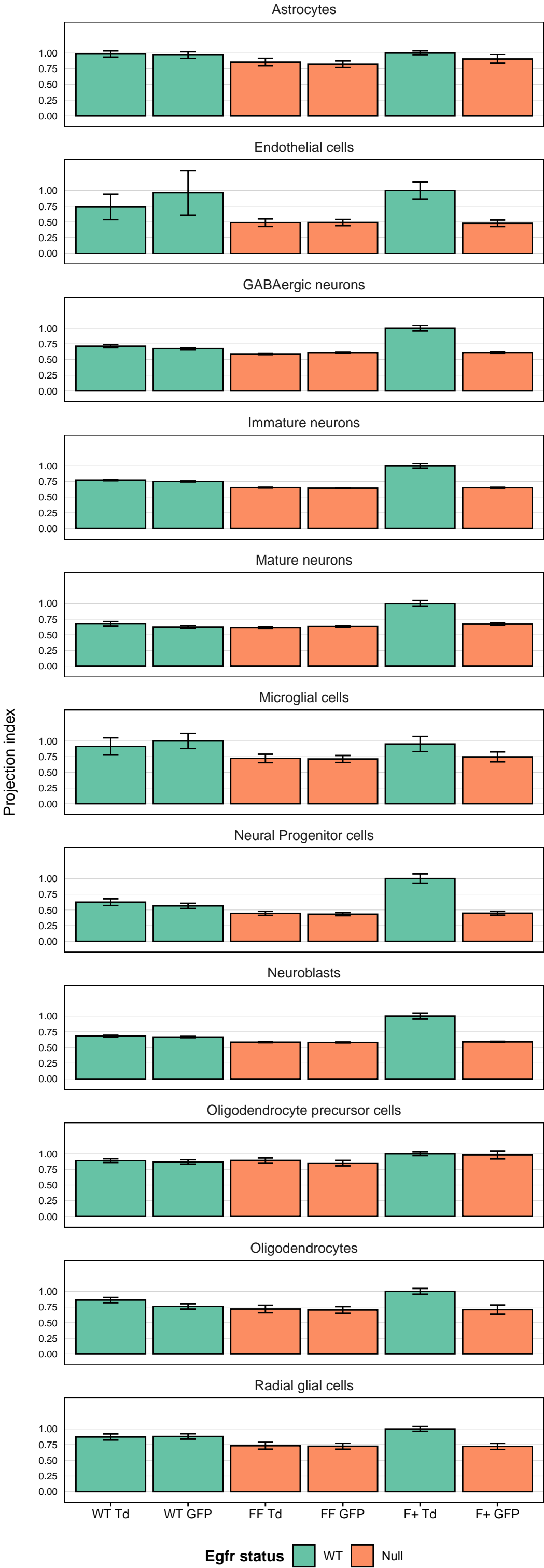
Top genes by kME

Gm11961
1700001K19Rik
Gm12381
Gm20476
Gm34804
Gm47771
Gm48678
Gm16230
Fam50b
Ribc2
Gm36172
AU017674
Cidec
Gm11670
Gm17225
Gm16341
Lrp2bp
Gm31819
Iqcm
Sycp3



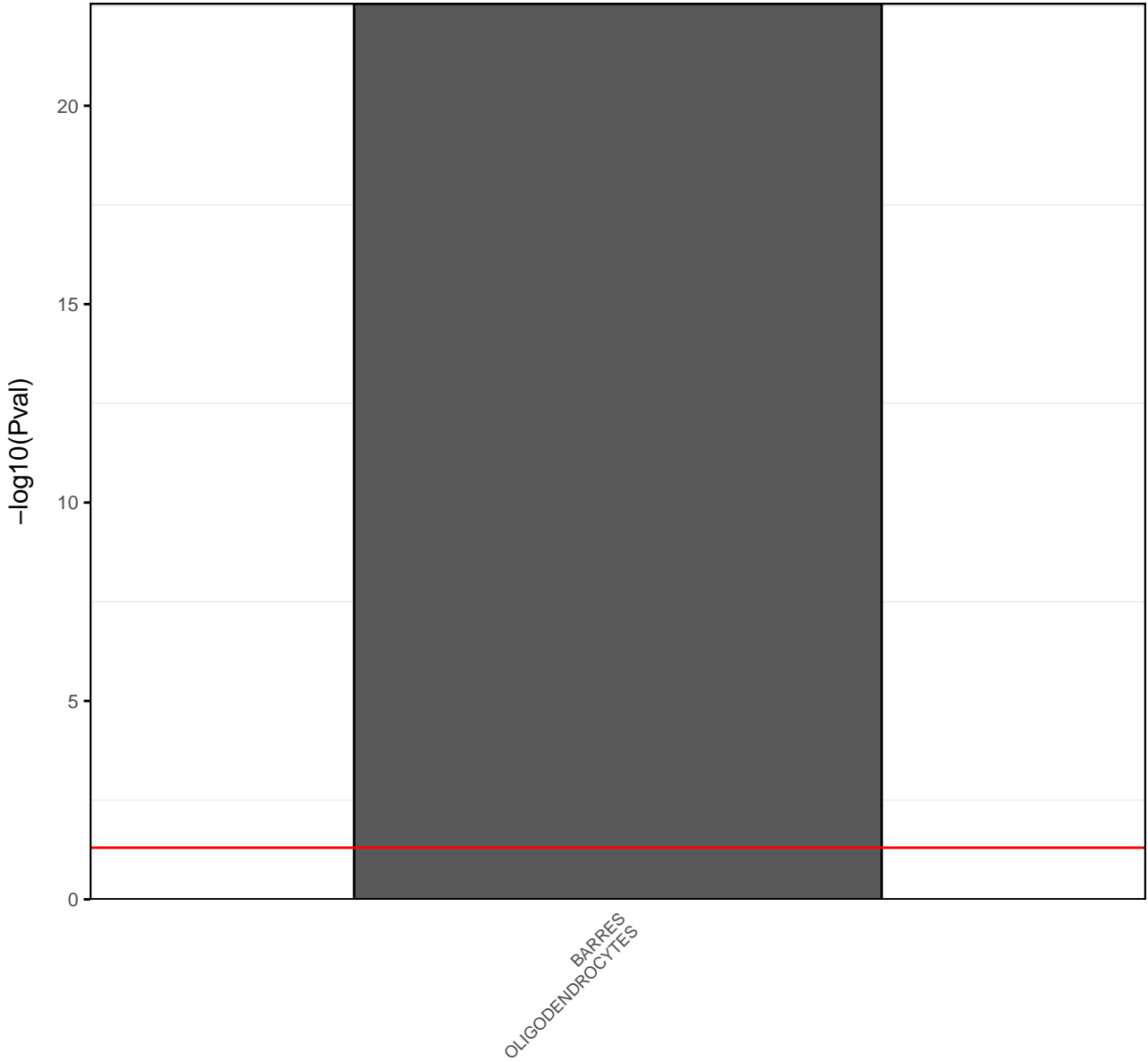
cyan module
Top 100 by kME

Bicor-None_signum0.643_minSize12_merge_ME_0.85_18566



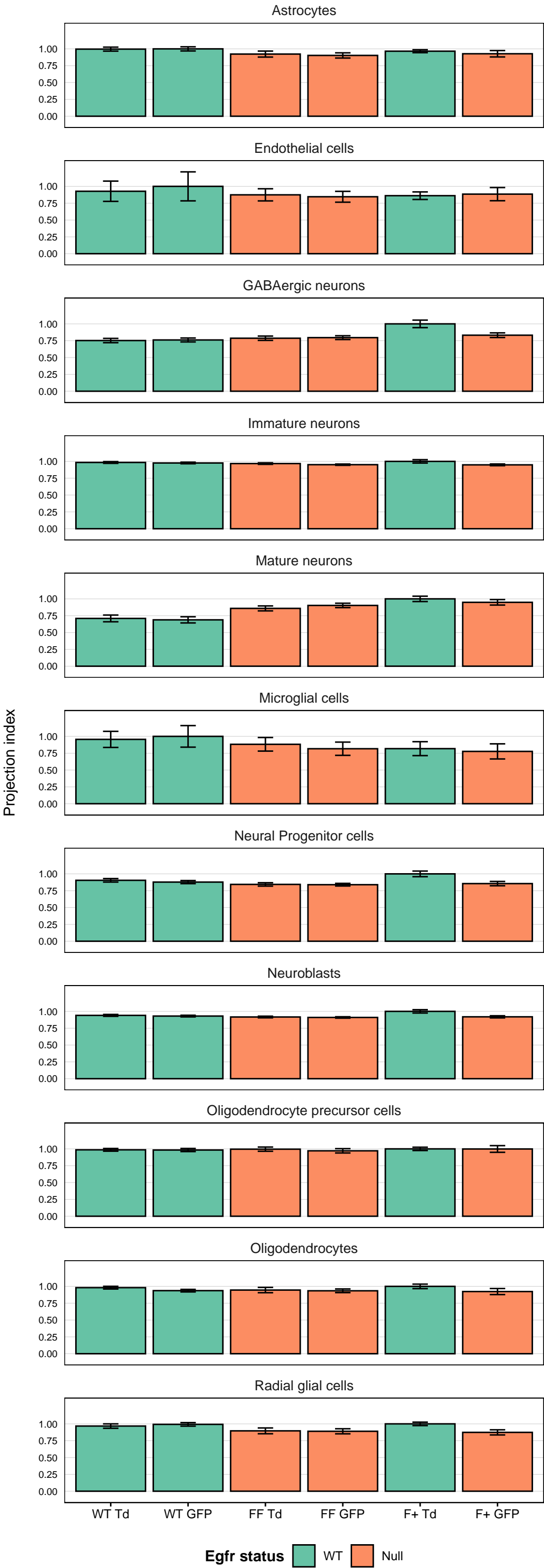
Top genes by kME

Scd1
Cnp
Slc7a10
Tmem229a
AW047730
Hey1
Sox8
Aldh1l1
Acss2
Fgf1
Paqr7
Timp4
Gpr37l1
Acsbg1
Rlbp1
AU021092
Apln
Meox1
S100a16
Serpine2



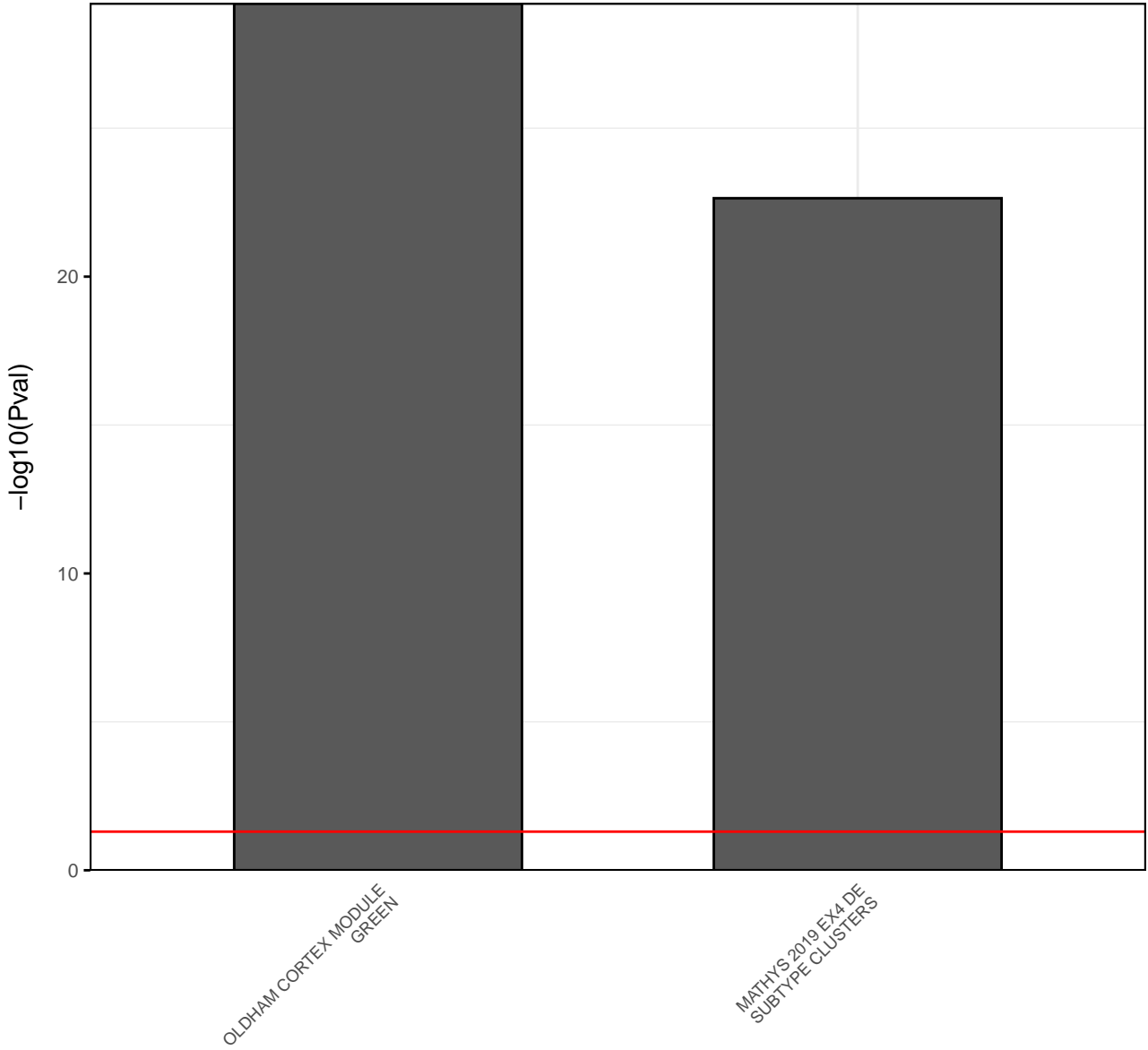
cyan module
Top 100 by kME

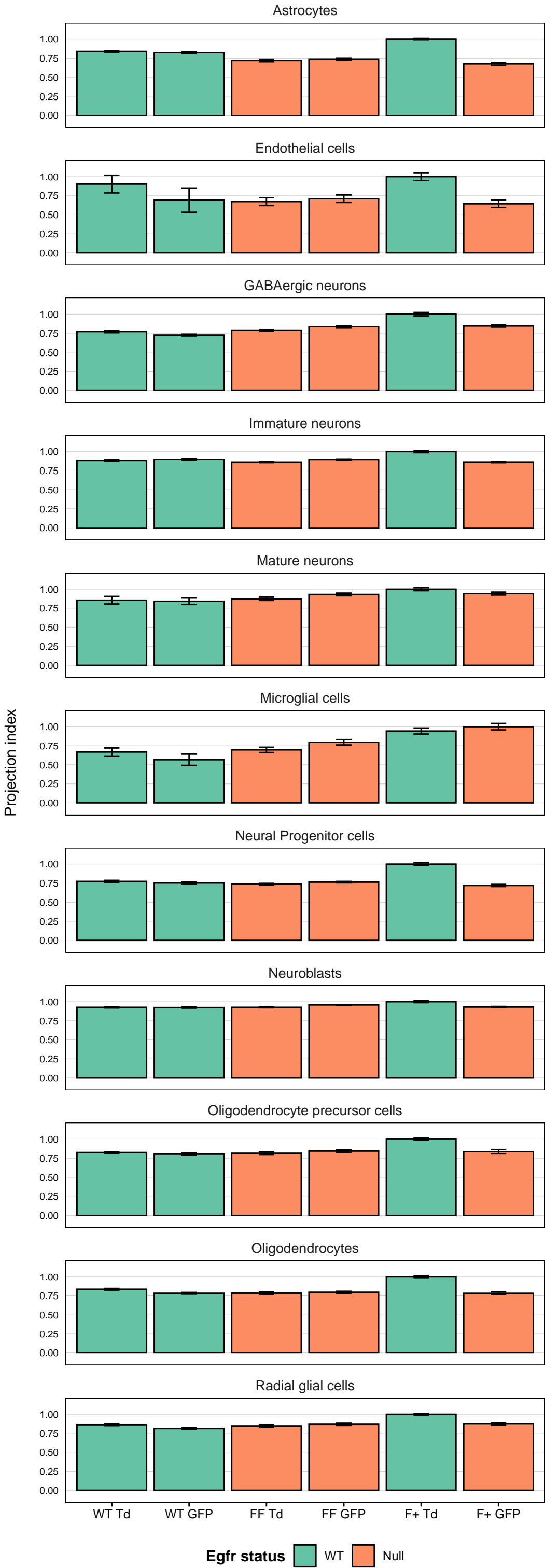
Bicor-None_signum0.551_minSize15_merge_ME_0.85_18566



Top genes by kME

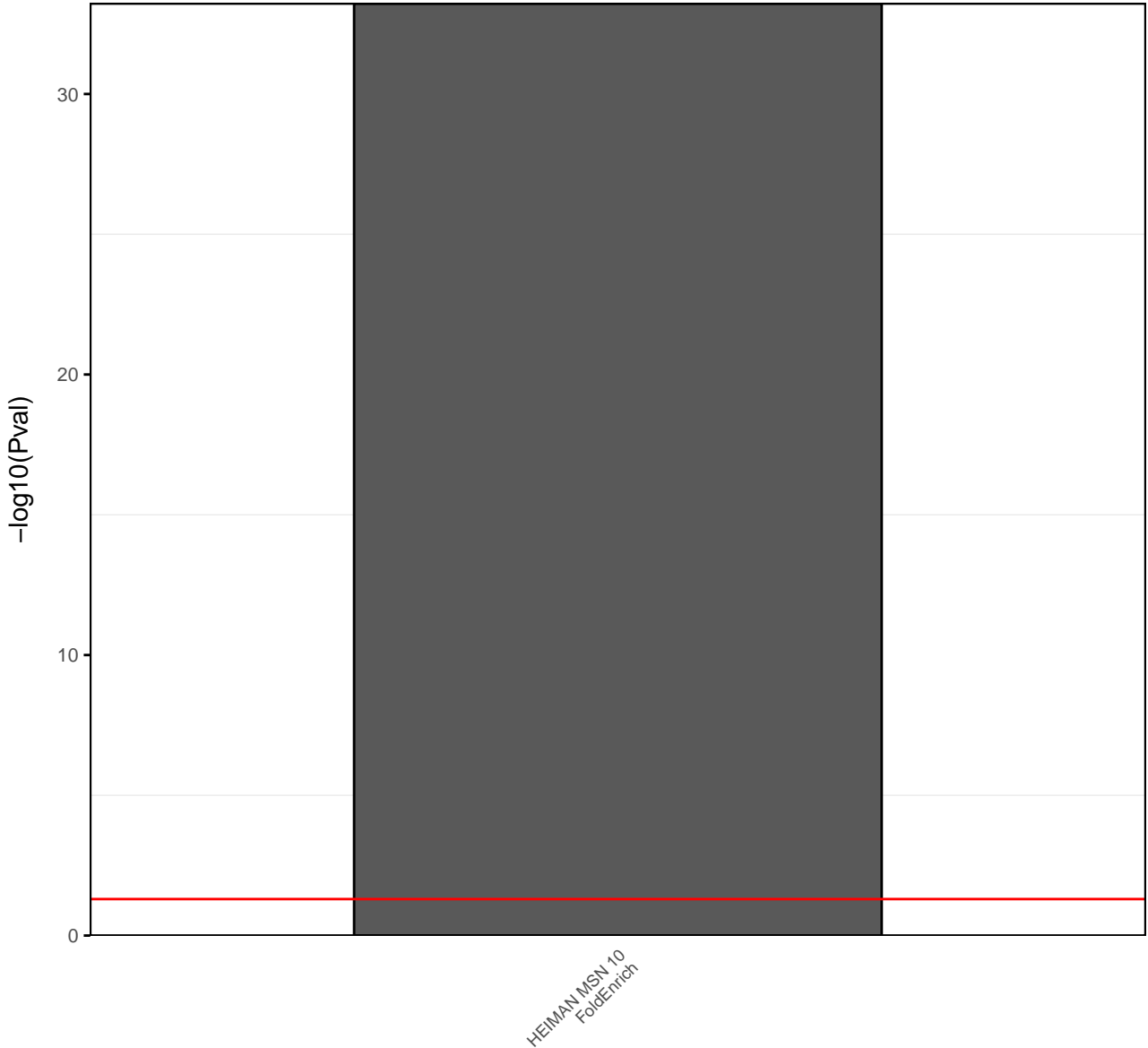
Dyrk2
Grk5
Ivns1abp
Adam19
Nmt2
Ephb6
Psd2
Ache
Enc1
Agfg1
Prkar2b
Rragd
Mapk11
Gm20712
Grm3
9930014A18Rik
Calm1
Adk
Arhgef10l
Rap1gap2



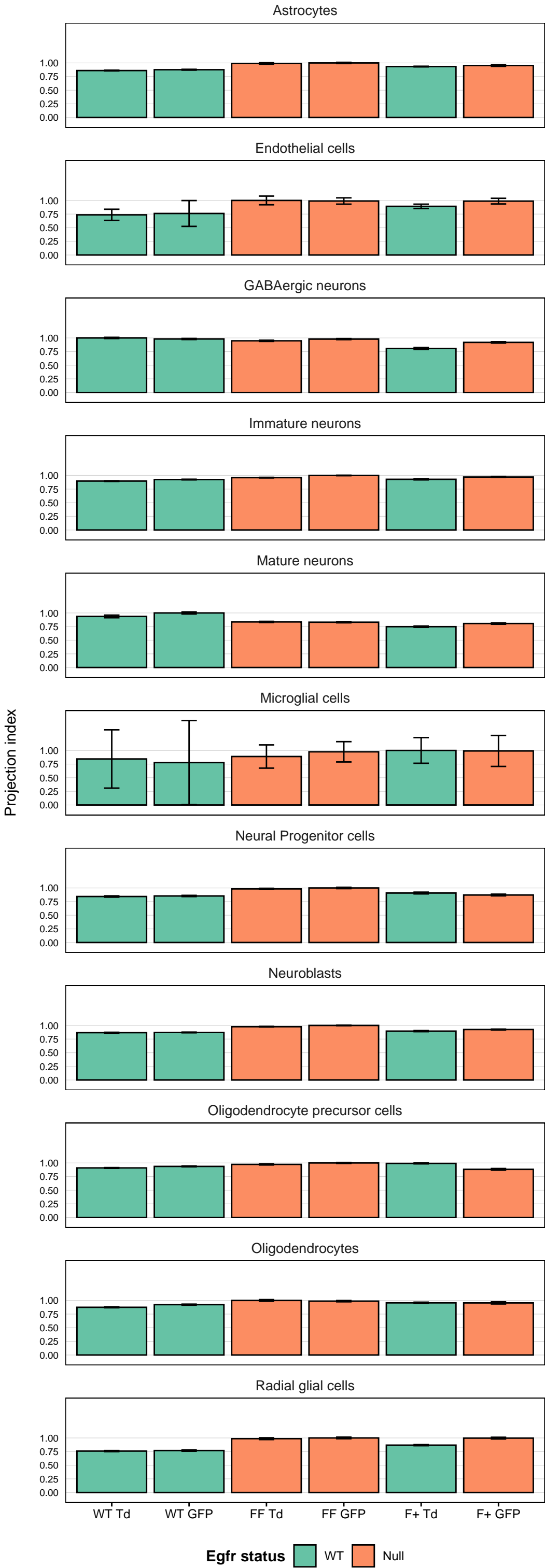


Top genes by kME

Serpina9
Slc5a7
Scn4b
Rarb
Pde7b
Th
Dlx6
Gng7
Car6
Rgs9
Strip2
Arhgap27os2
Ntn1
Ido1
Gm12898
Irf6
Sgpp2
Tgfa
Nexn
Strn

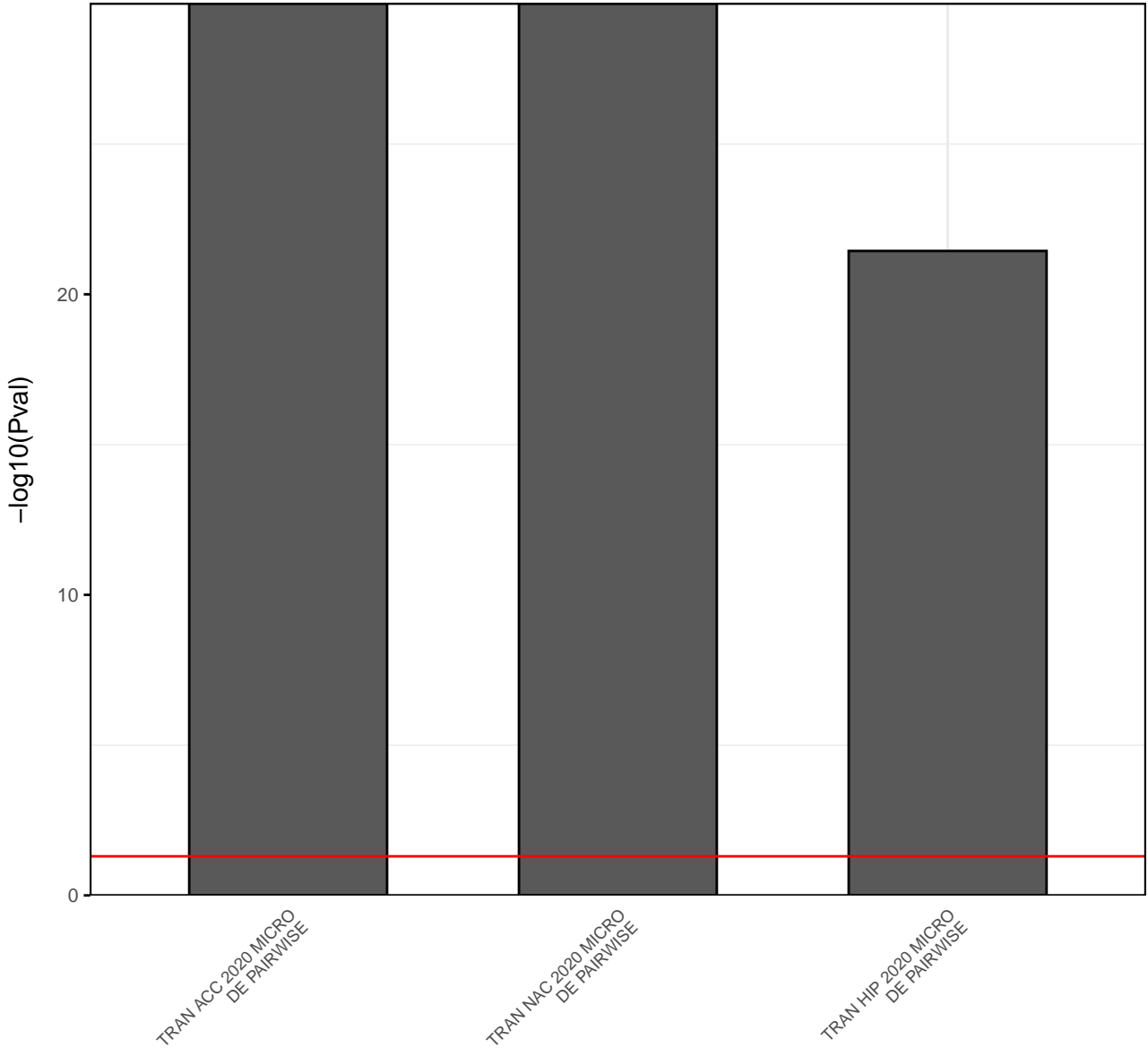


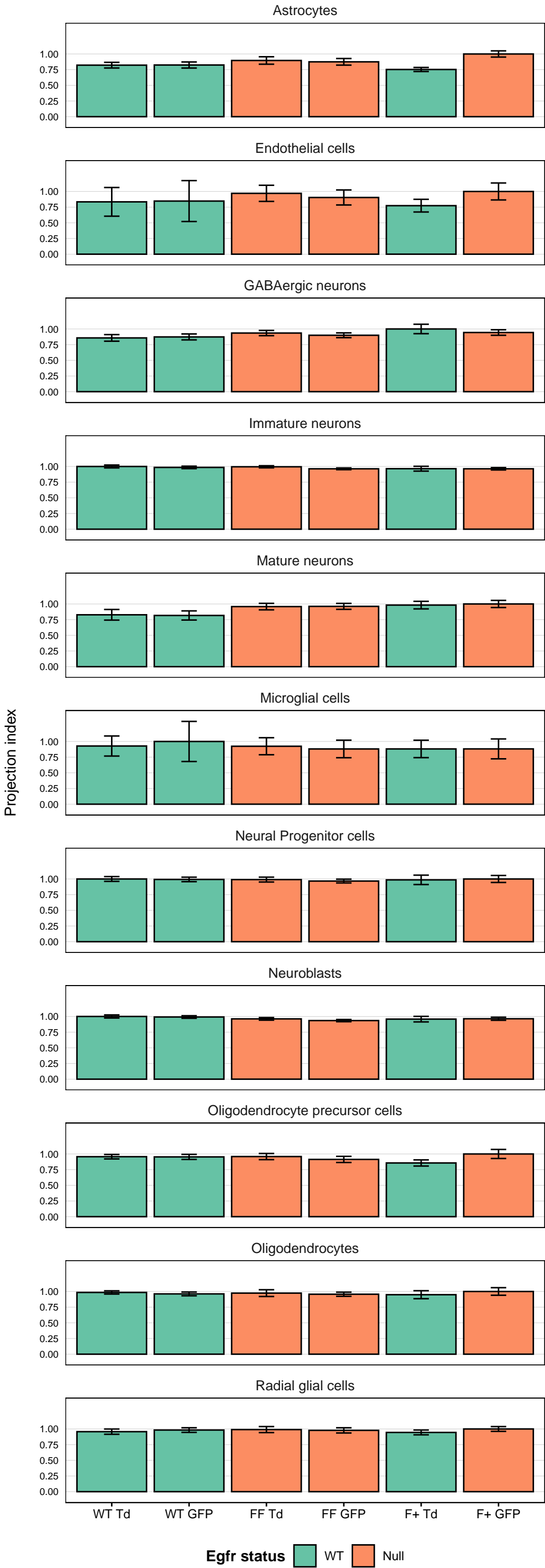
greenyellow module
Top 100 by kME
Bicor-None_signum0.577_minSize15_merge_ME_0.85_18566



Top genes by kME

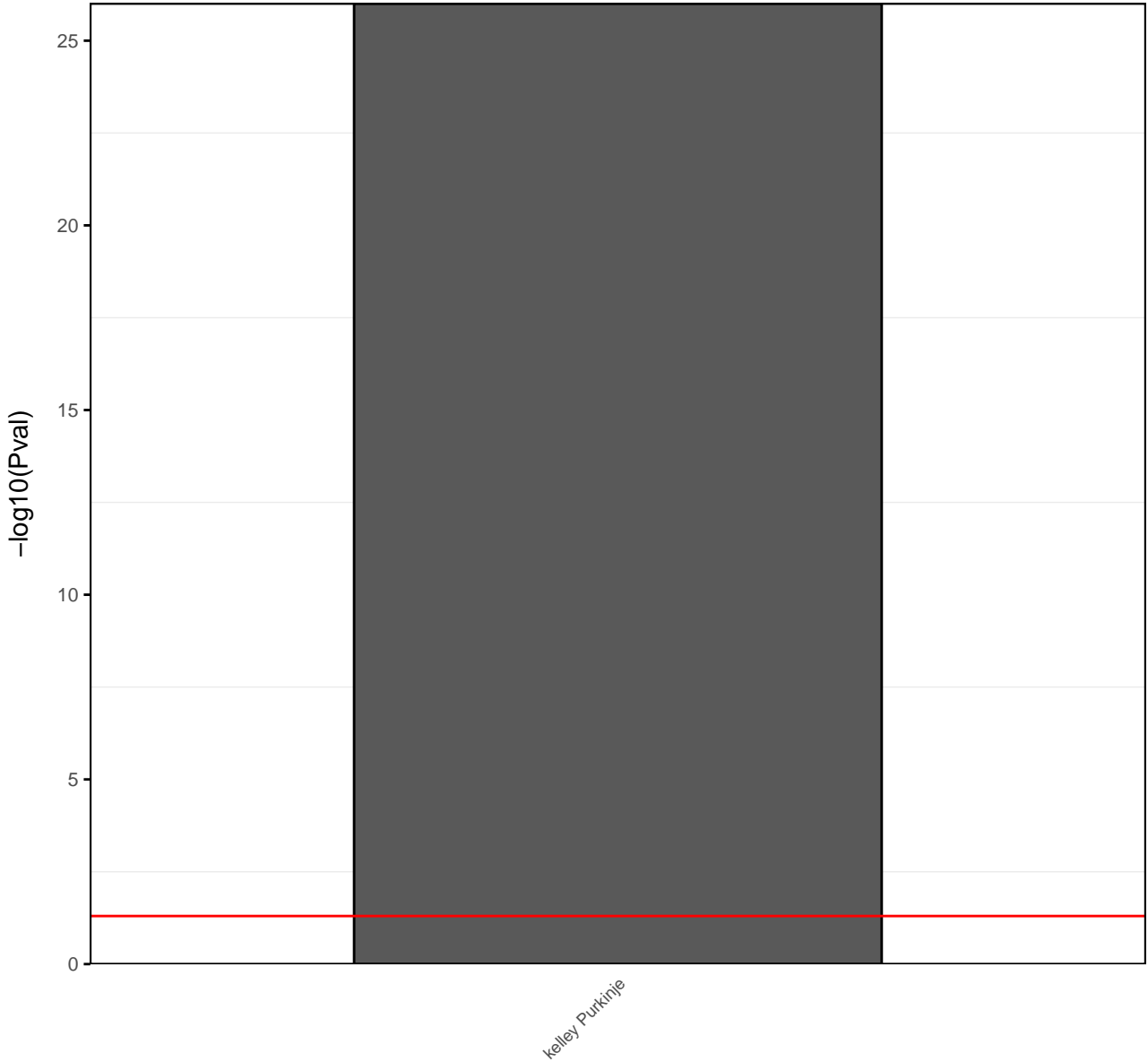
Ncf1
Il10ra
Arhgap45
C1qb
Nckap1l
Unc93b1
Cx3cr1
Rassf4
Rab32
Dock2
C1qc
Cyth4
C1qa
Cplane1
Gsdmd
P2ry6
Npl
Fyb
Adgre1
Pld4



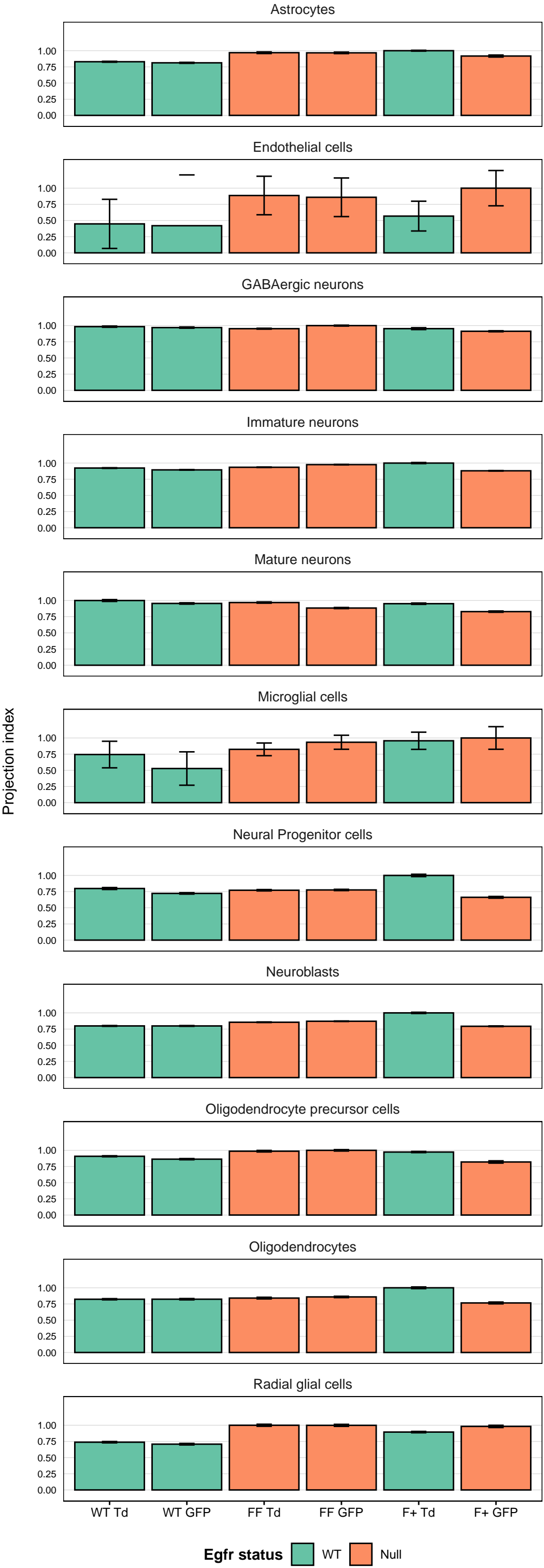


Top genes by kME

Gm11961
1700001K19Rik
Gm12381
Gm20476
Gm34804
Gm47771
Gm48678
Gm36172
Fam50b
Gm17225
Gm16230
Ribc2
Cidec
AU017674
Gm11670
Gm31819
Lrp2bp
Gm16341
Iqcm
Sycp3

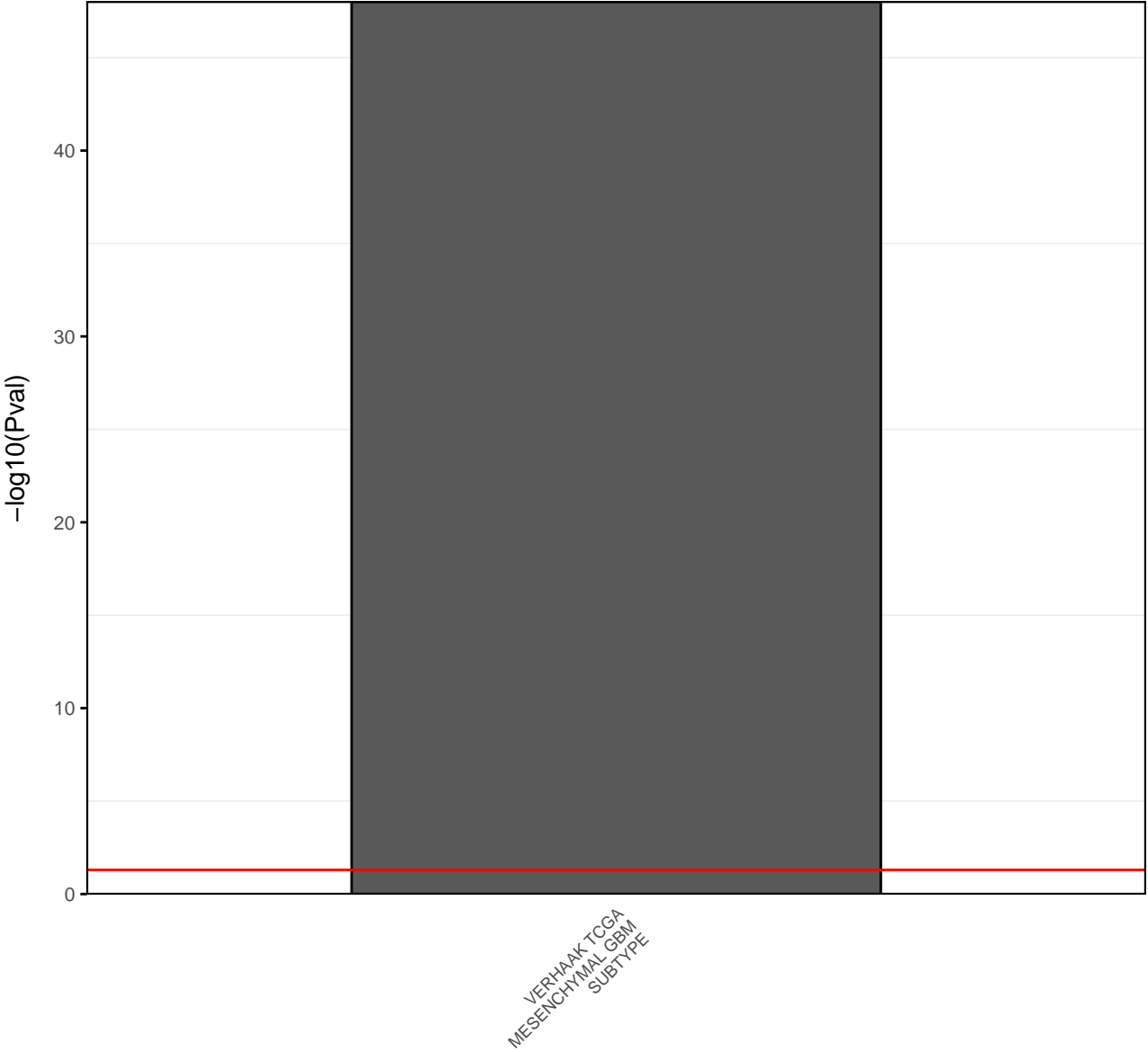


green module
Top 100 by kME
Bicor-None_signum0.69_minSize15_merge_ME_0.85_18566

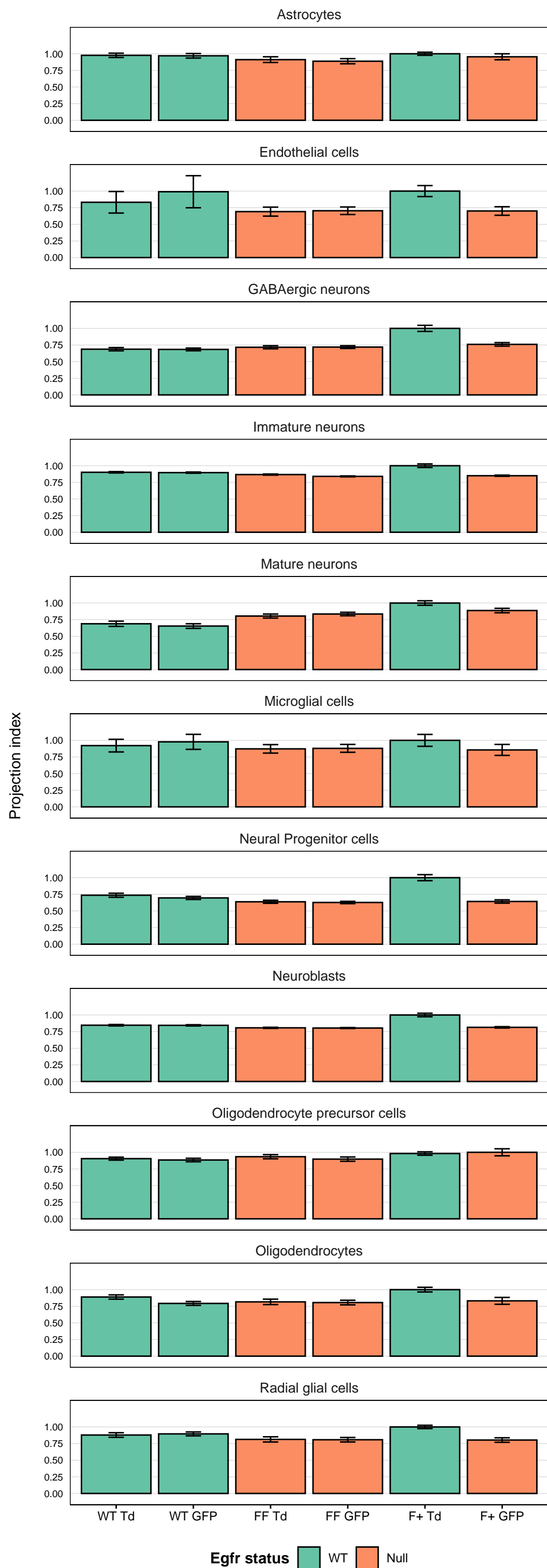


Top genes by kME

Zfp1
Klhl20
Ik
Nono
Mfap1a
Gm7324
Rab8a
Ctr9
Gripap1
Cxxc1
Dnajc8
Tlk2
Ppil4
Fam98b
Maco1
Pa2g4
Sh3bp5
Cwc15
Hnrnpm
Dnttip2



greenyellow module
Top 100 by kME
Bicor-None_signum0.69_minSize15_merge_ME_0.85_18566



Top genes by kME

Foxk2
Acsbg1
Paqr7
1500009C09Rik
Cspg5
Lrtm2
Reep2
Abcb9
Rasl10b
Tmem229a
Gpr37l1
AW047730
Scarb1
Acss2
Adamtsl2
S100a16
Rgcc
Sstr1
Aldh5a1
Fam43b

