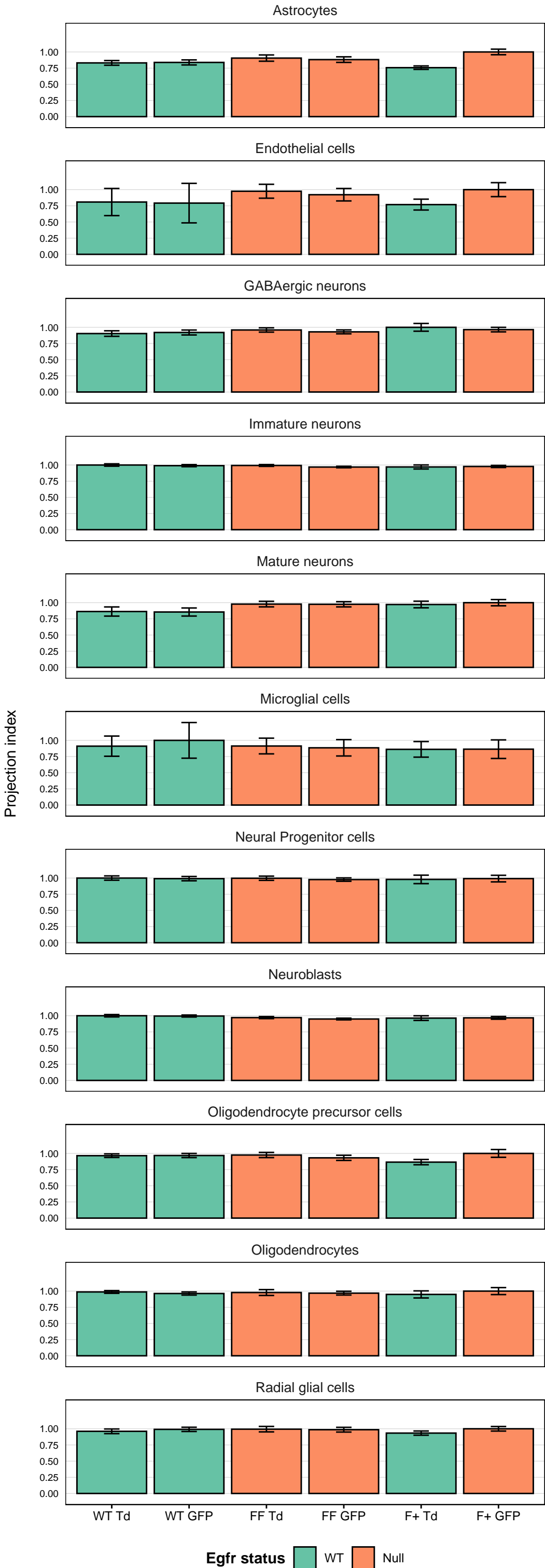
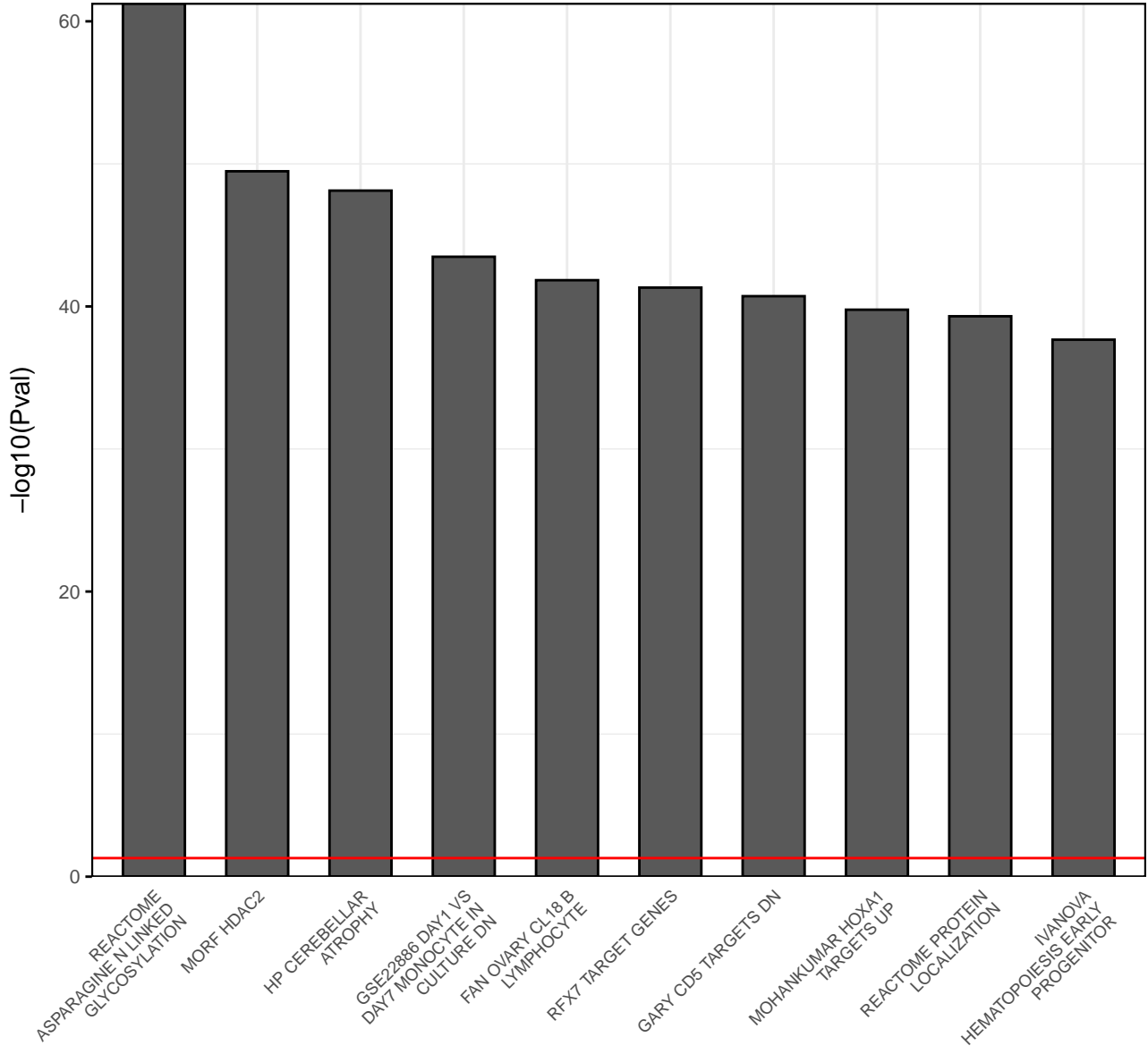


turquoise module
Top 100 by kME
Bicor-None_signum0.577_minSize20_merge_ME_0.85_18566



Top genes by kME

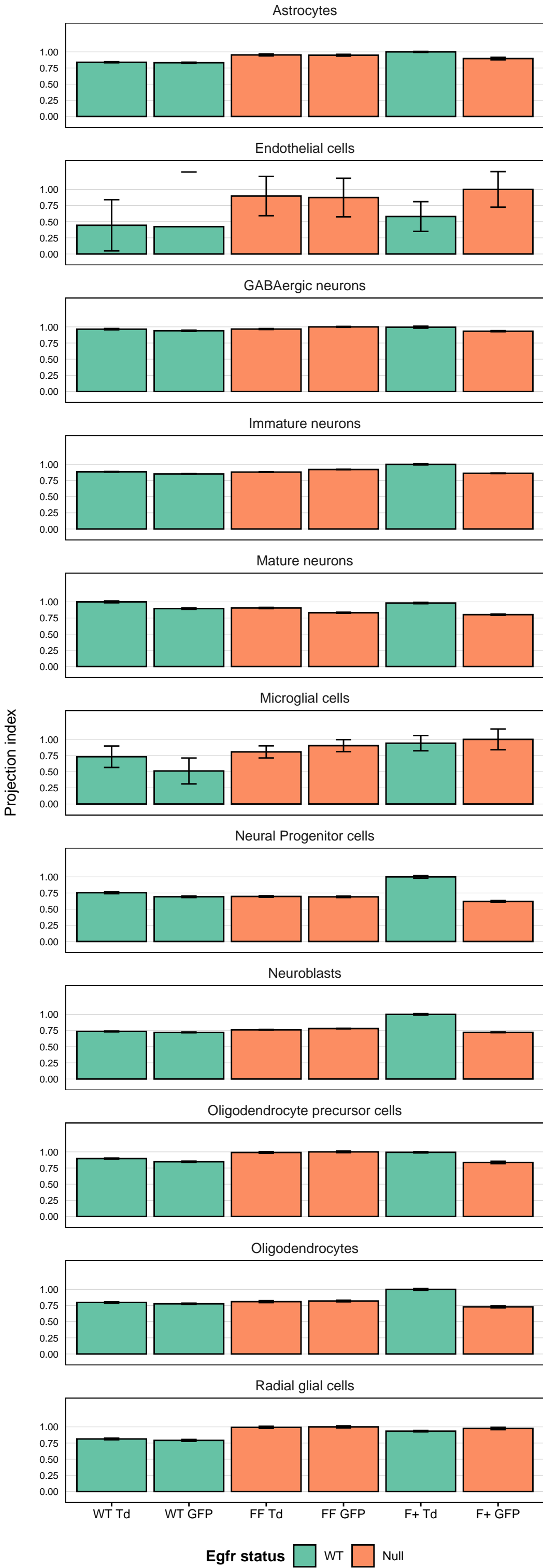
Dhrs7b
Seph2
Trap1
Ndufs2
Chst10
Bap1
Adh5
Nipsnap1
Copz1
Tpi1
Galk2
Amz2
Timm29
Selenof
Vps45
Prpf19
Ei24
Ociad1
Ubb
Nap1l4



yellow module

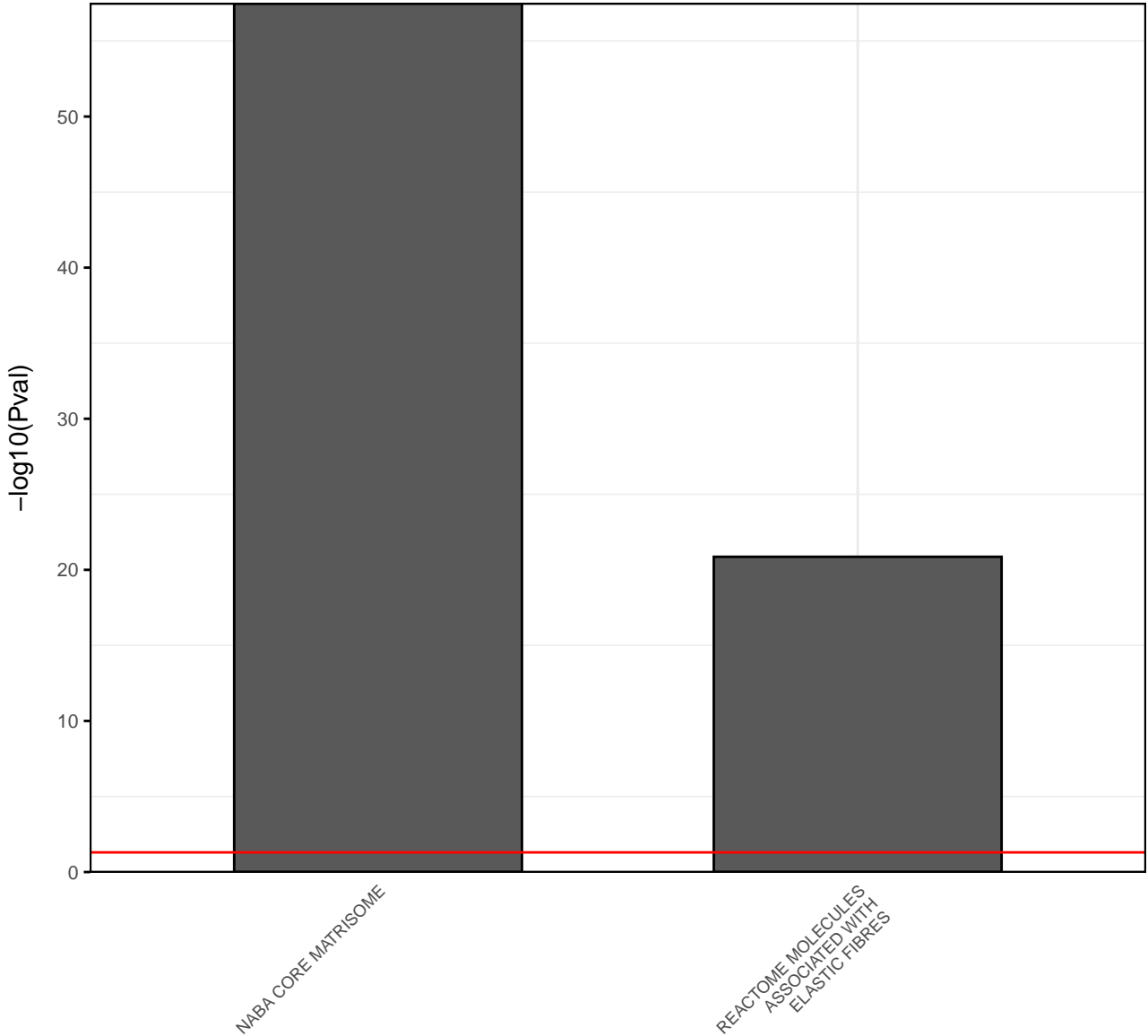
Top 100 by kME

Bicor-None_signum0.577_minSize20_merge_ME_0.85_18566

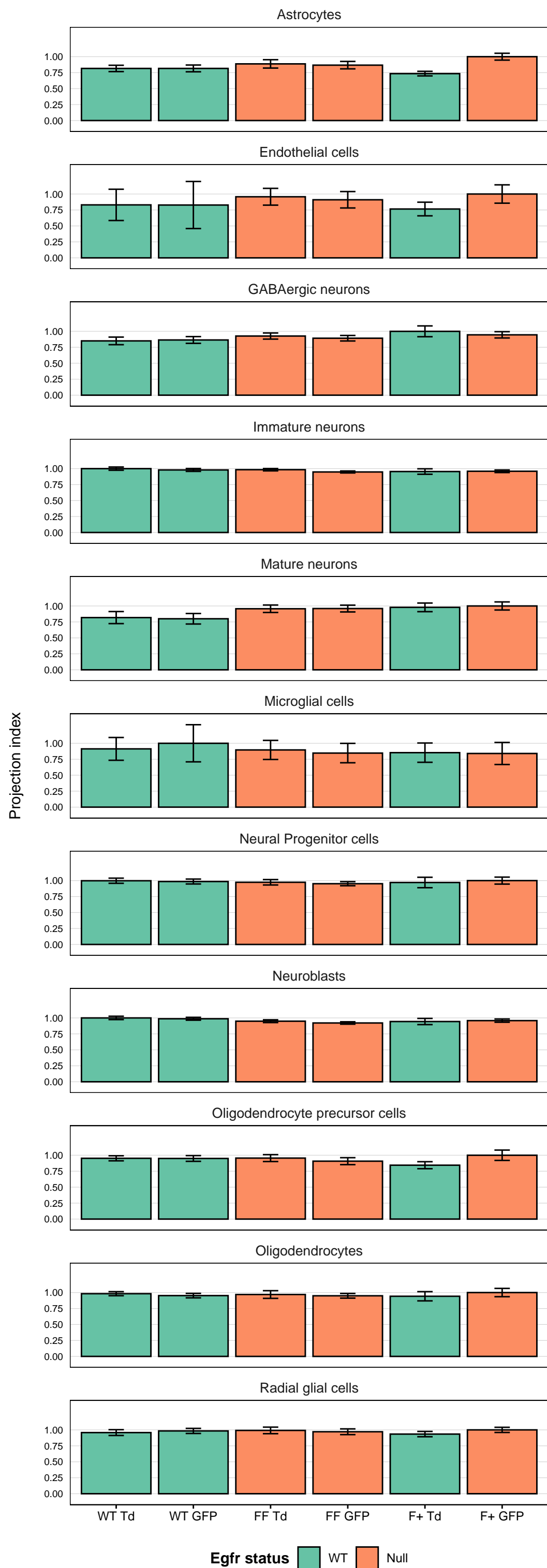


Top genes by kME

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

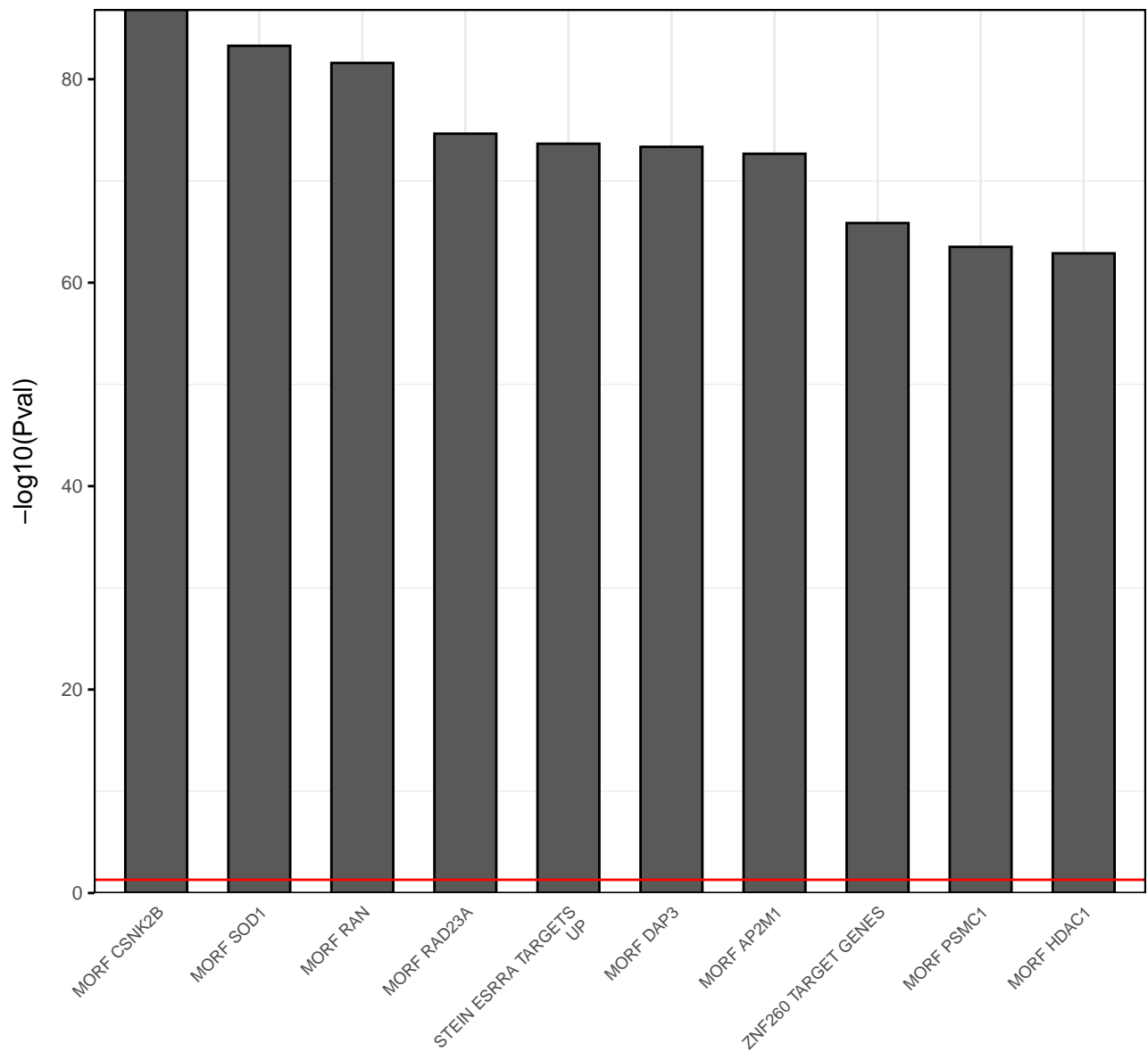


turquoise module
Top 100 by kME
Bicor-None_signum0.69_minSize20_merge_ME_0.85_18566



Top genes by kME

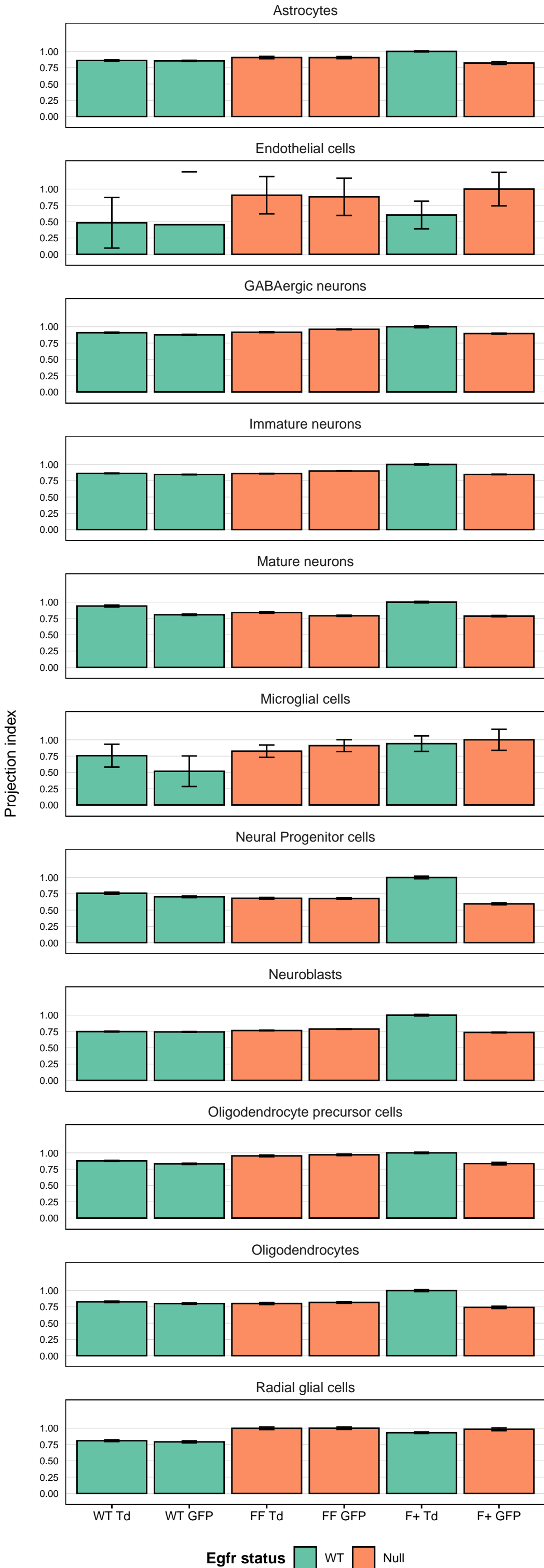
Dhrs7b
Ndufs2
Seph2
Ubb
Atp5a1
BC031181
Nipsnap1
Vps16
Vps45
Chst10
Dap3
Copz1
Amz2
Tpi1
Selenof
Brk1
Dut
Zc3hc1
Mpst
Ei24



yellow module

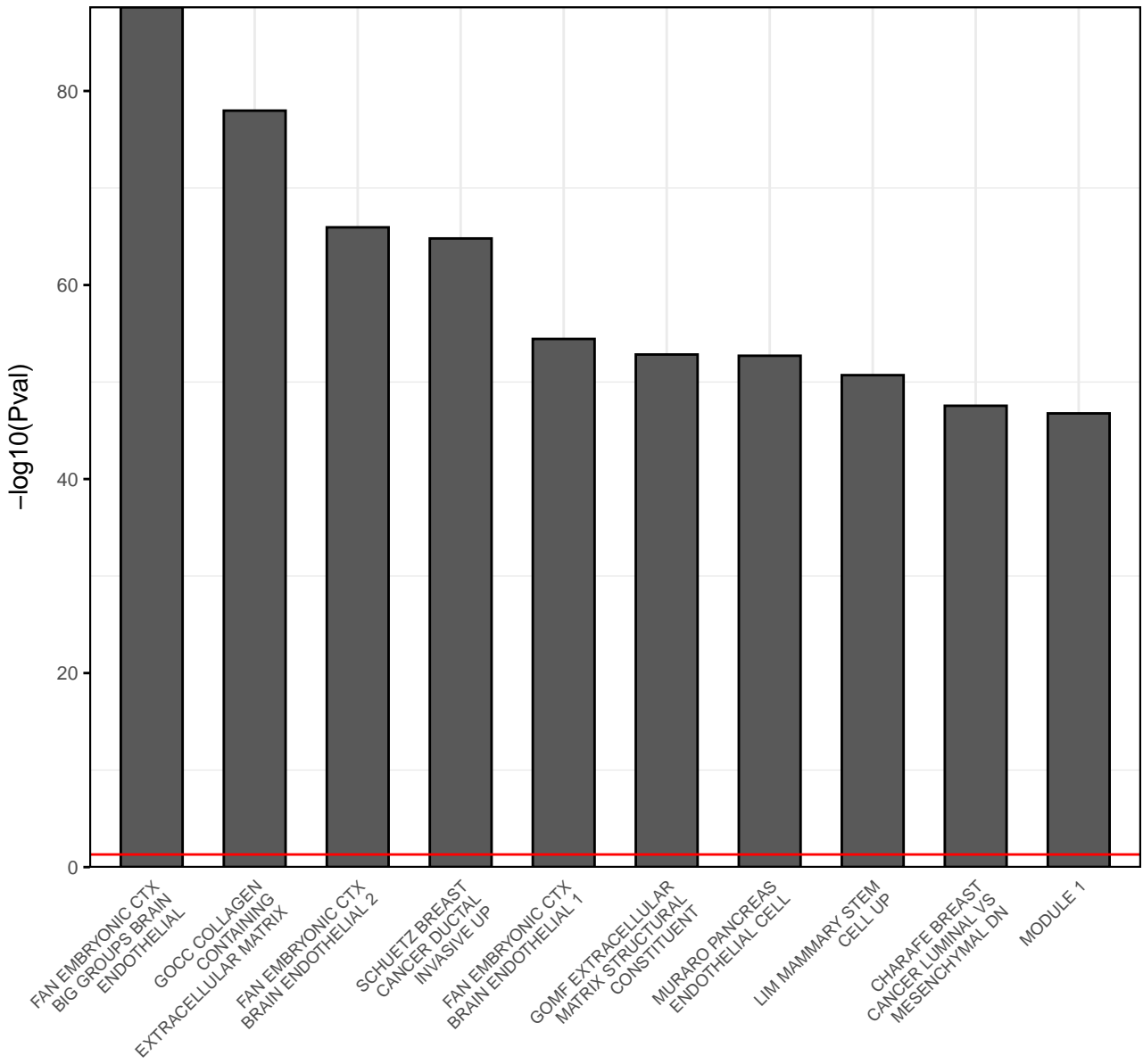
Top 100 by kME

Bicor=None_signum0.69_minSize20_merge_ME_0.85_18566

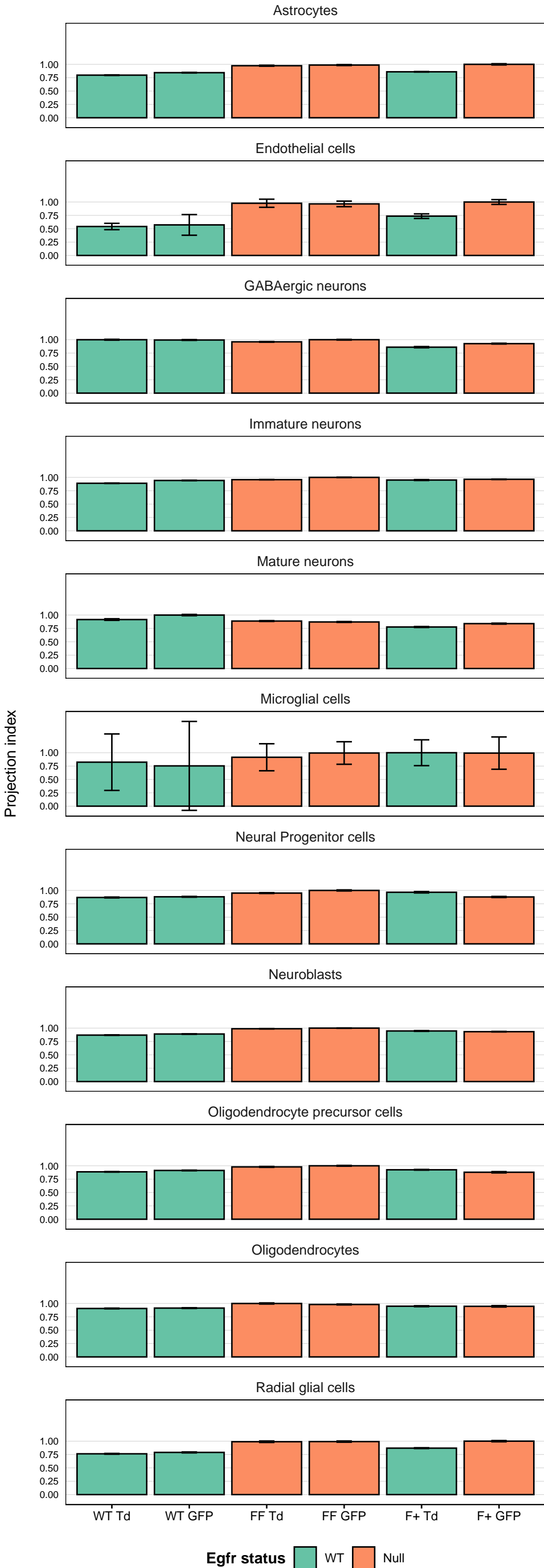


Top genes by kME

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

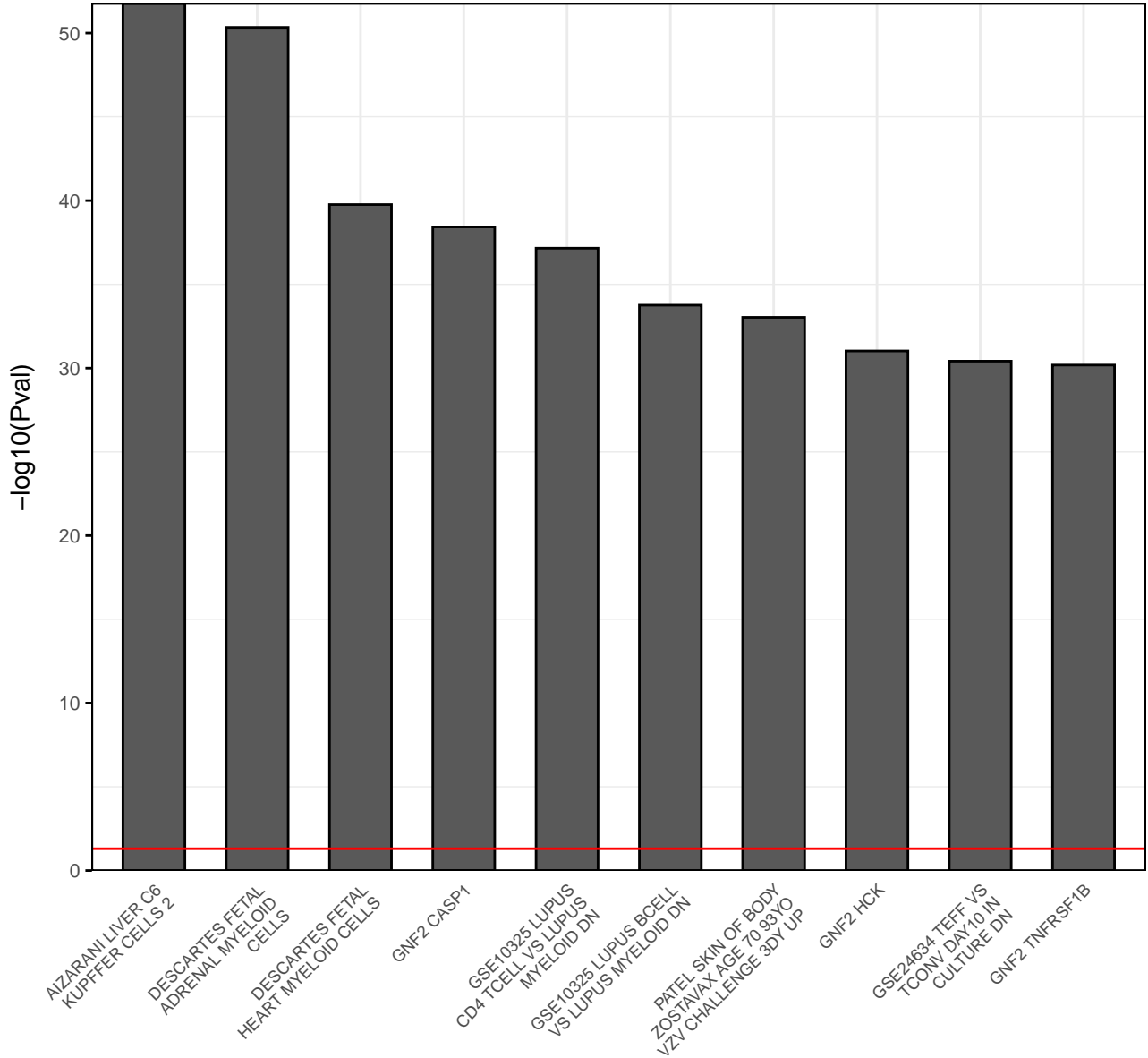


salmon module
Top 100 by kME
Bicor-None_signum0.69_minSize20_merge_ME_0.85_18566



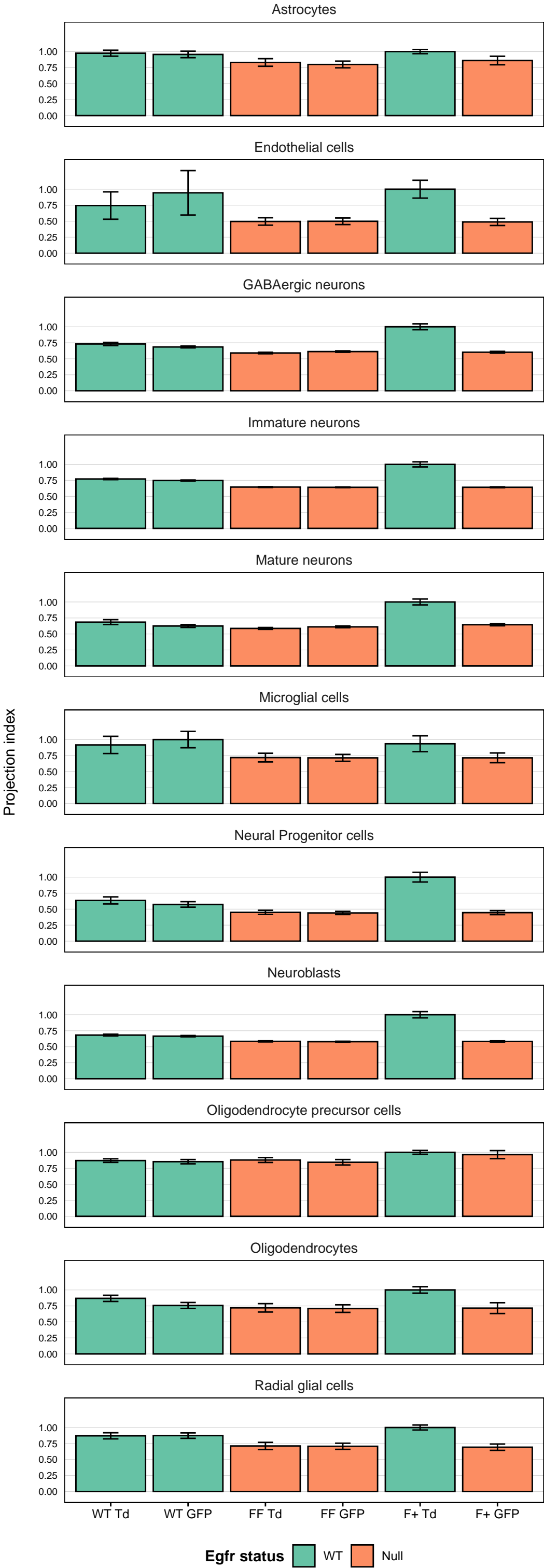
Top genes by kME

Naip5
Cyba
Ncf1
Aif1
Adgre1
Rab32
1700012D14Rik
Unc93b1
Nckap1l
Cd53
Fcgr1
Slc37a2
Naip2
Il10ra
Fyb
Myo1f
AB124611
Pld4
Tnfaip8l2
Aoah



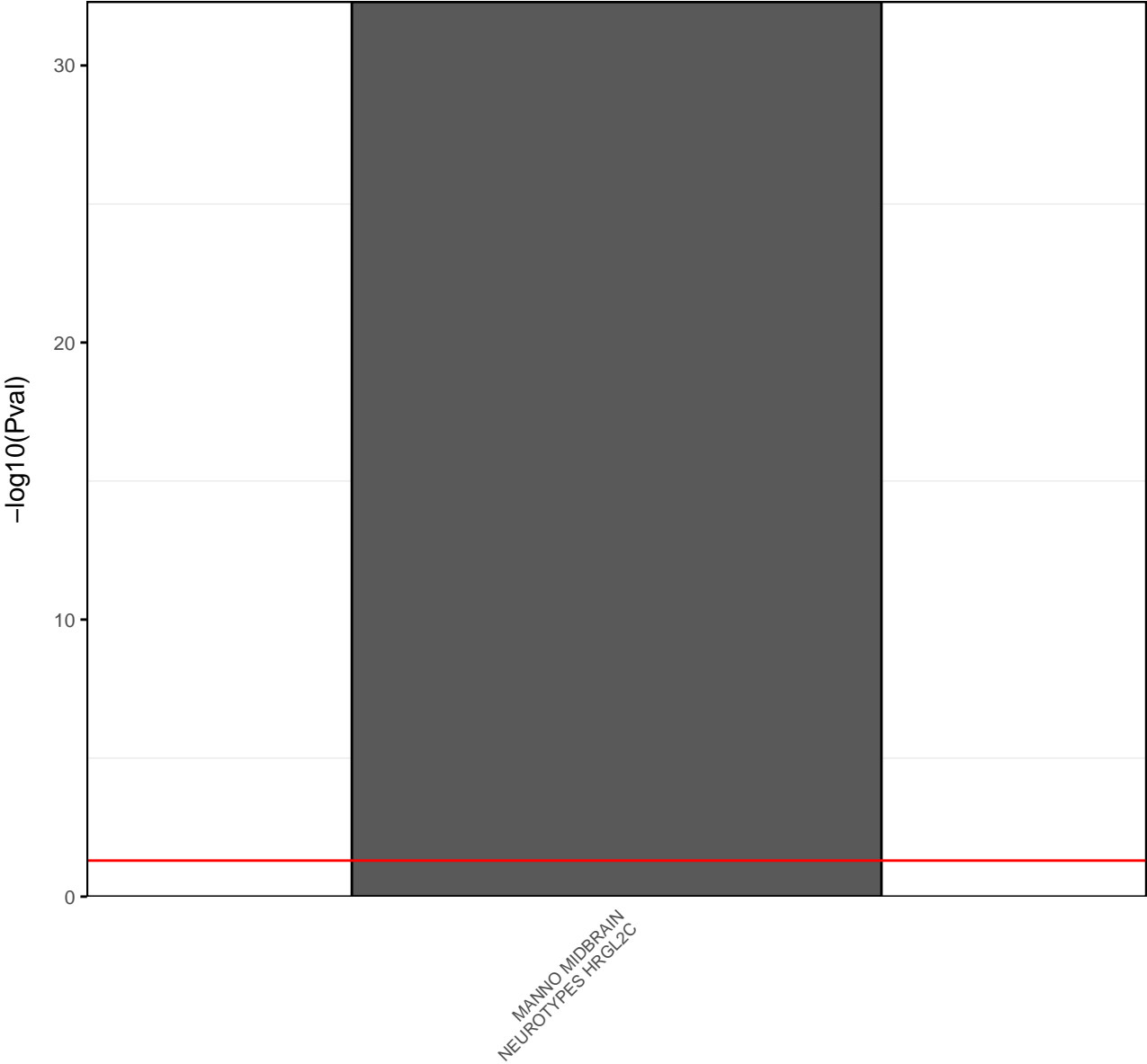
tan module
Top 100 by kME

Bicor-None_signum0.69_minSize20_merge_ME_0.85_18566

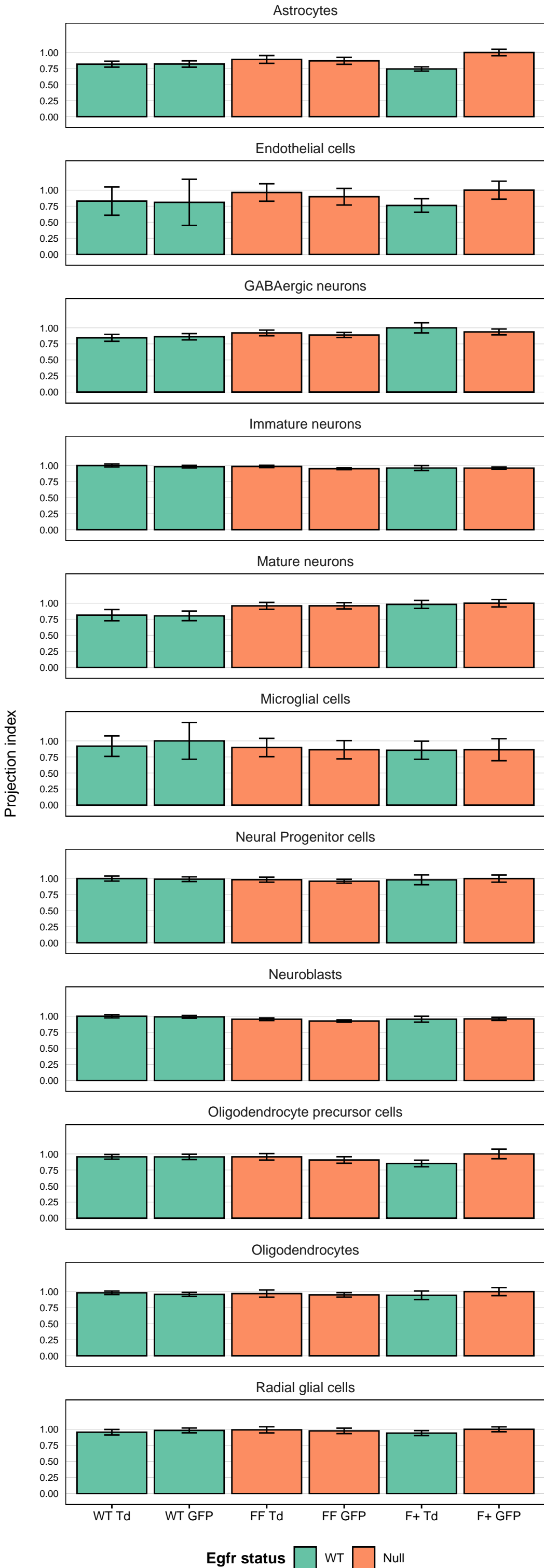


Top genes by kME

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

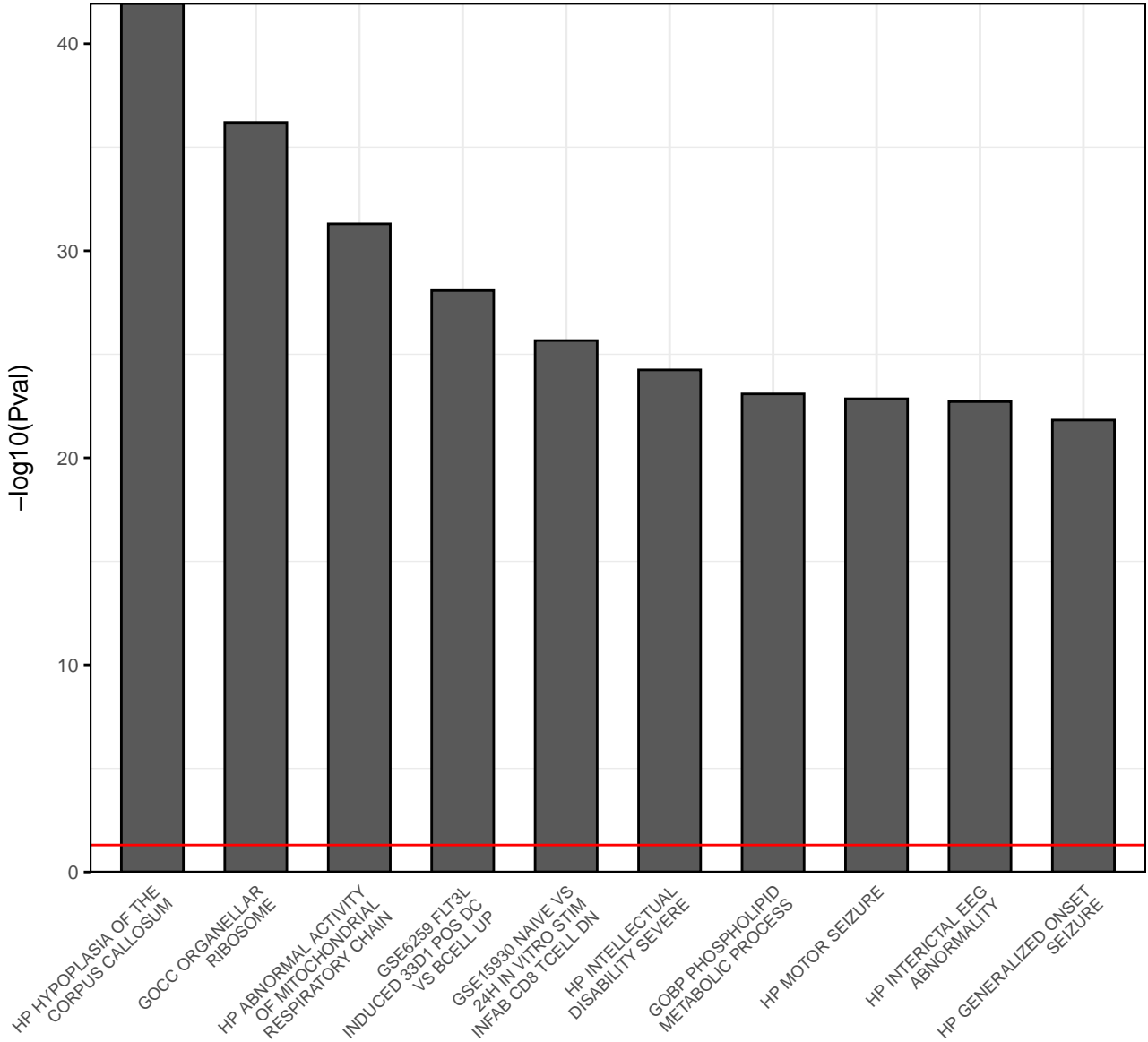


turquoise module
Top 100 by kME
Bicor-None_signum0.529_minSize20_merge_ME_0.85_18566



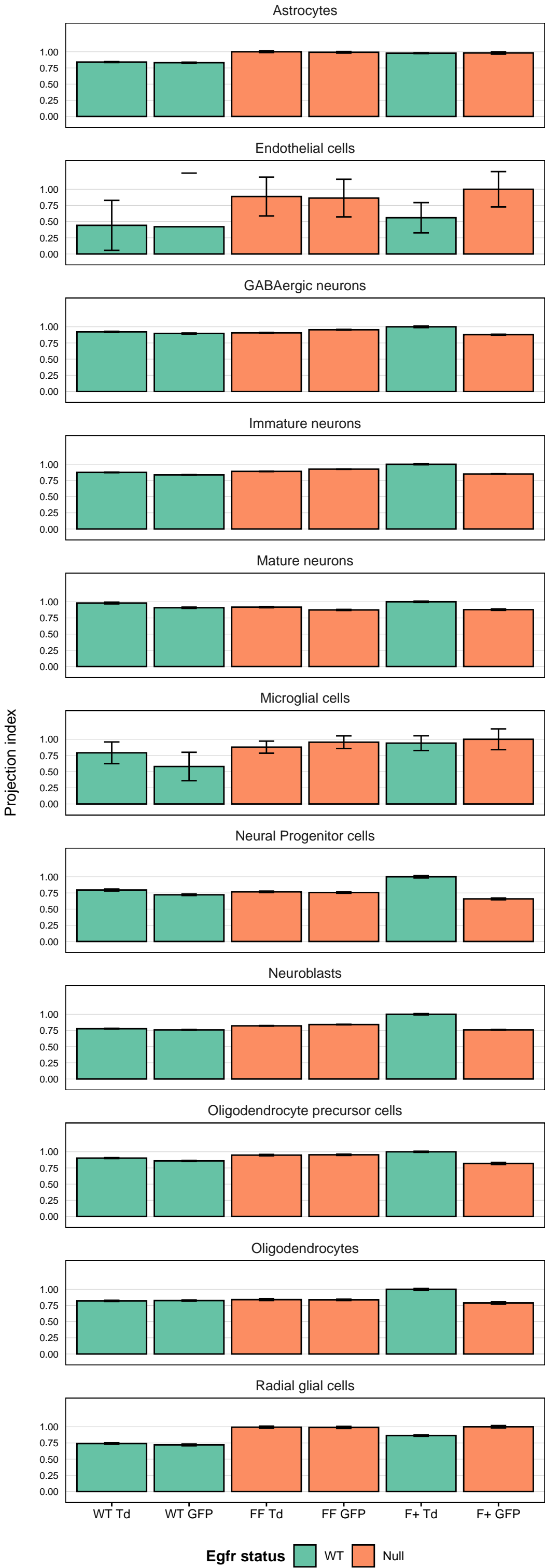
Top genes by kME

Gm36551
Gm47648
Gm45645
Olf107
1700060C20Rik
Gm36602
Gm16169
Gm29455
Trim12a
Rbm15
4930474N09Rik
Gm28198
Fshr
Cst12
Gypa
Gm10961
Gm15777
Aanat
Gm49208
Heatr4



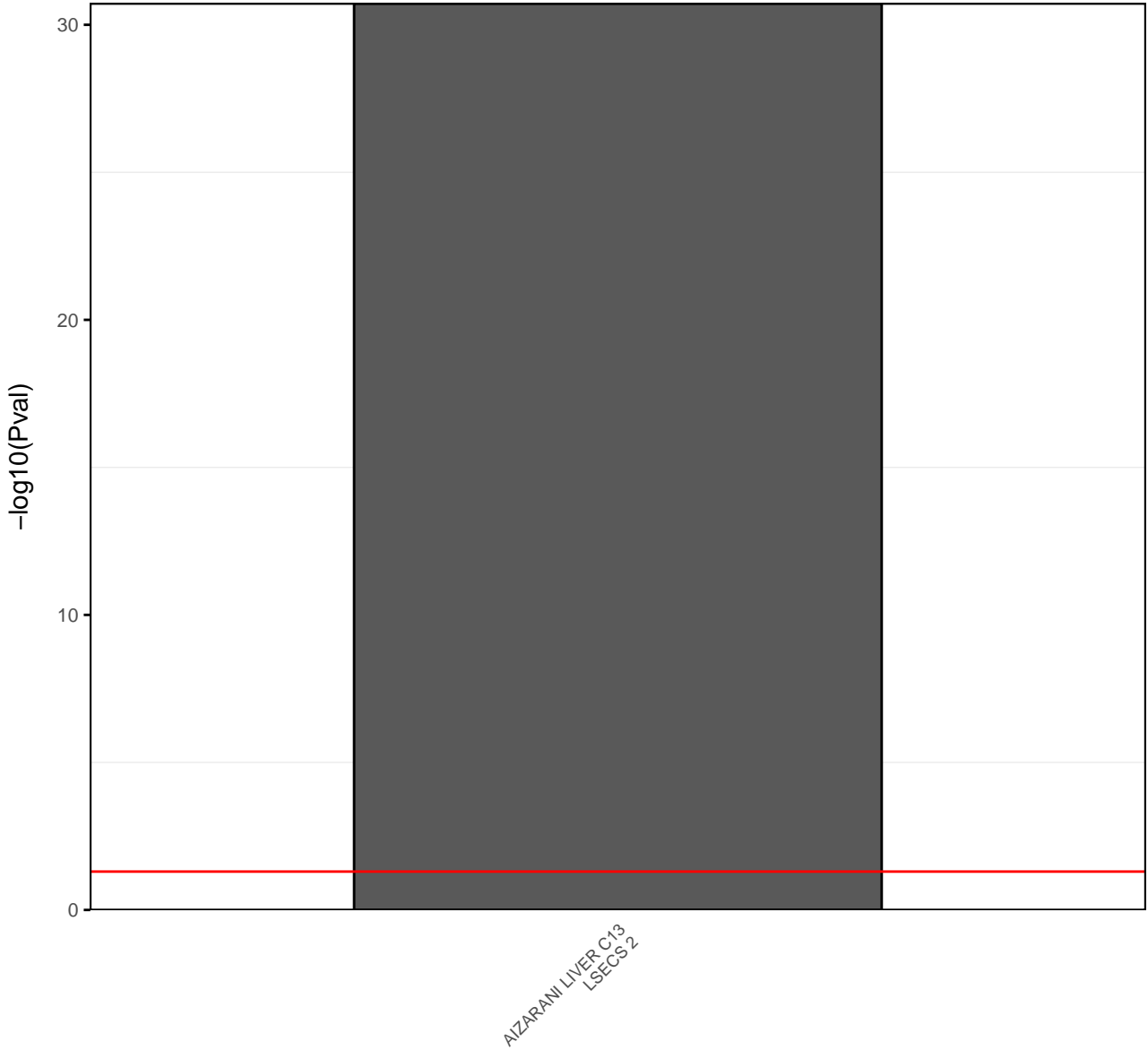
blue module
Top 100 by kME

Bicor-None_signum0.529_minSize20_merge_ME_0.85_18566



Top genes by kME

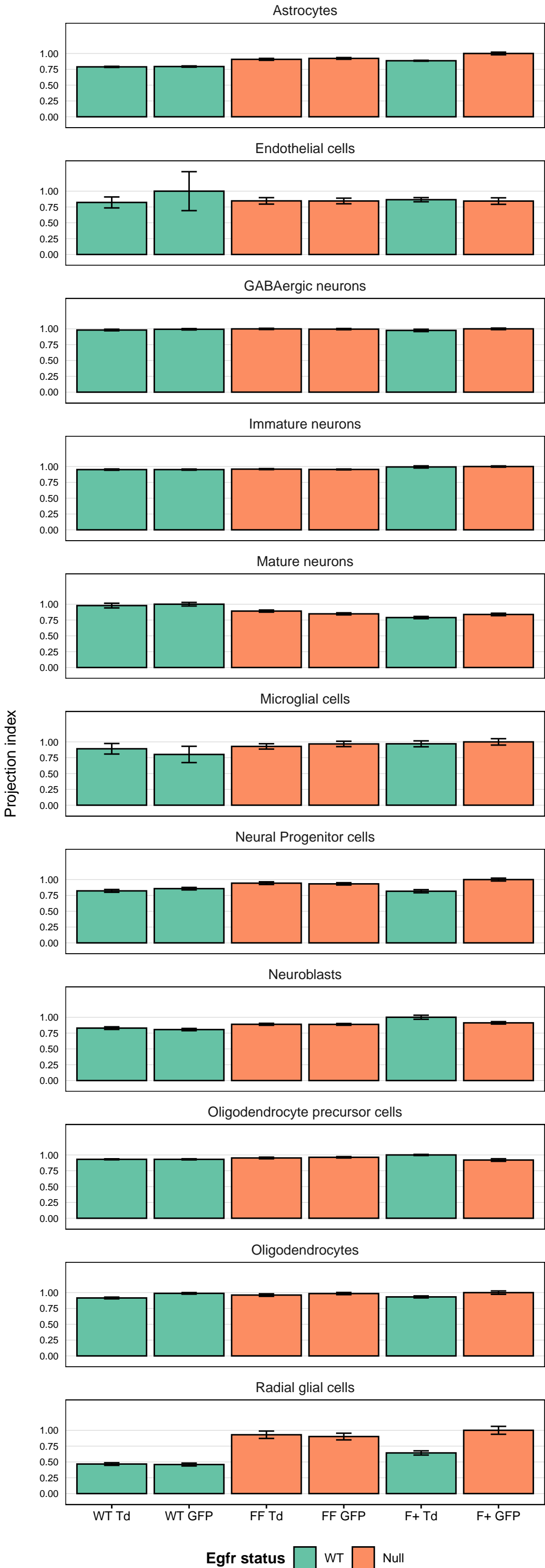
Gm47207
Gm44532
Gm15680
Gm12766
Gm42716
Gm16252
Gm45495
Slc5a11
4930592l03Rik
Lad1
Gm43192
Gm20713
Glrp1
Arhgap26
Mroh7
Tmc2
Rab44
Fam83b
Fhad1os2
Gm2245



pink module

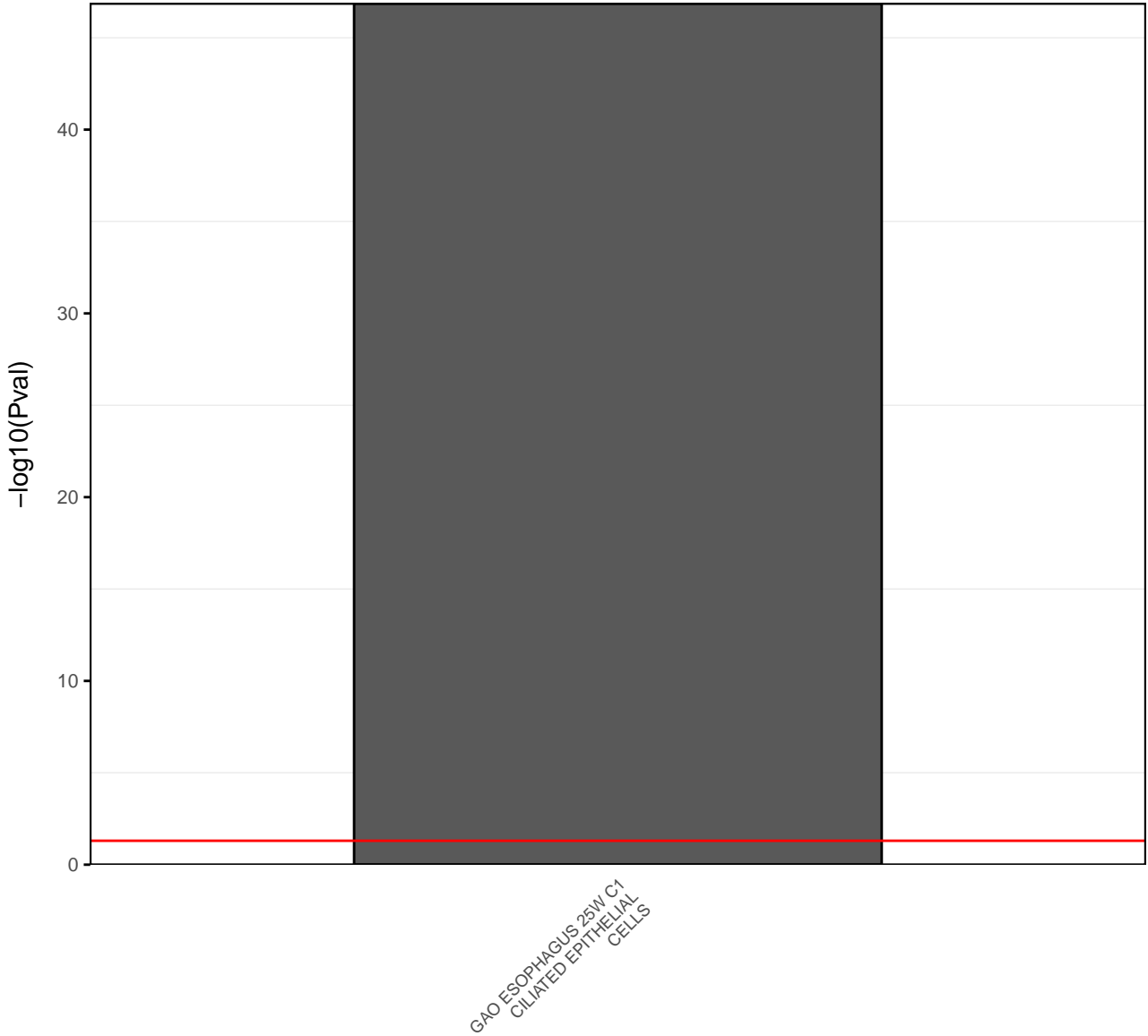
Top 100 by kME

Bicor-None_signum0.529_minSize20_merge_ME_0.85_18566

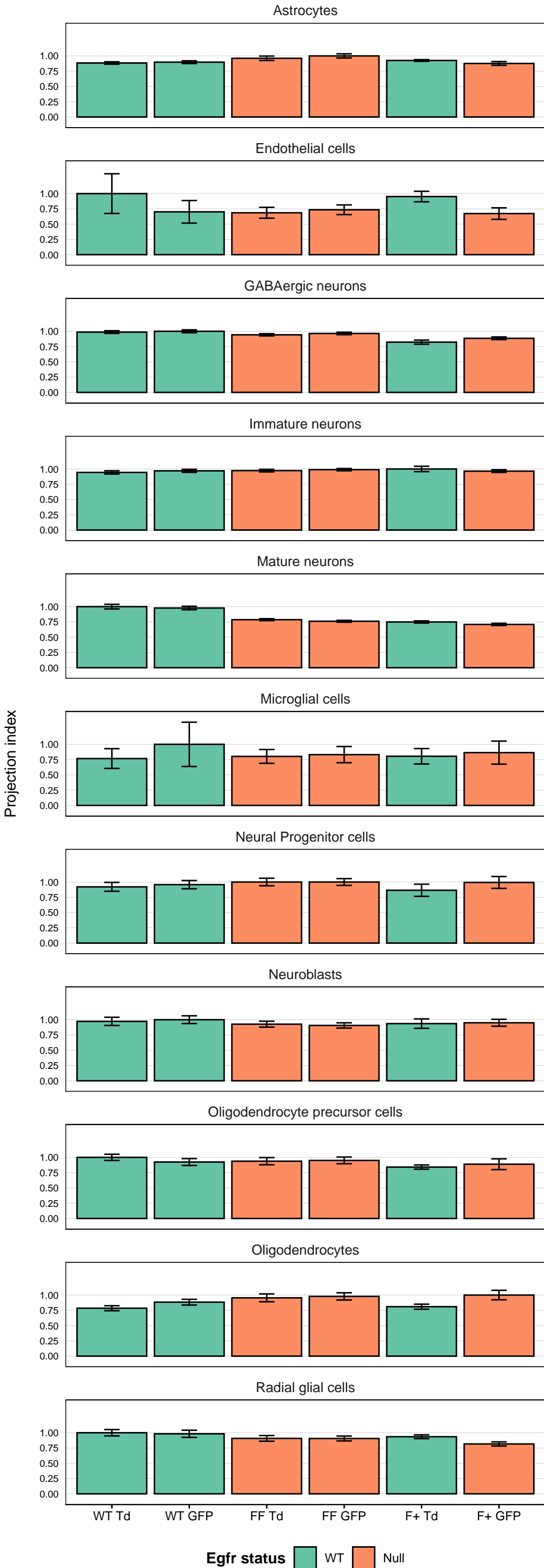


Top genes by kME

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

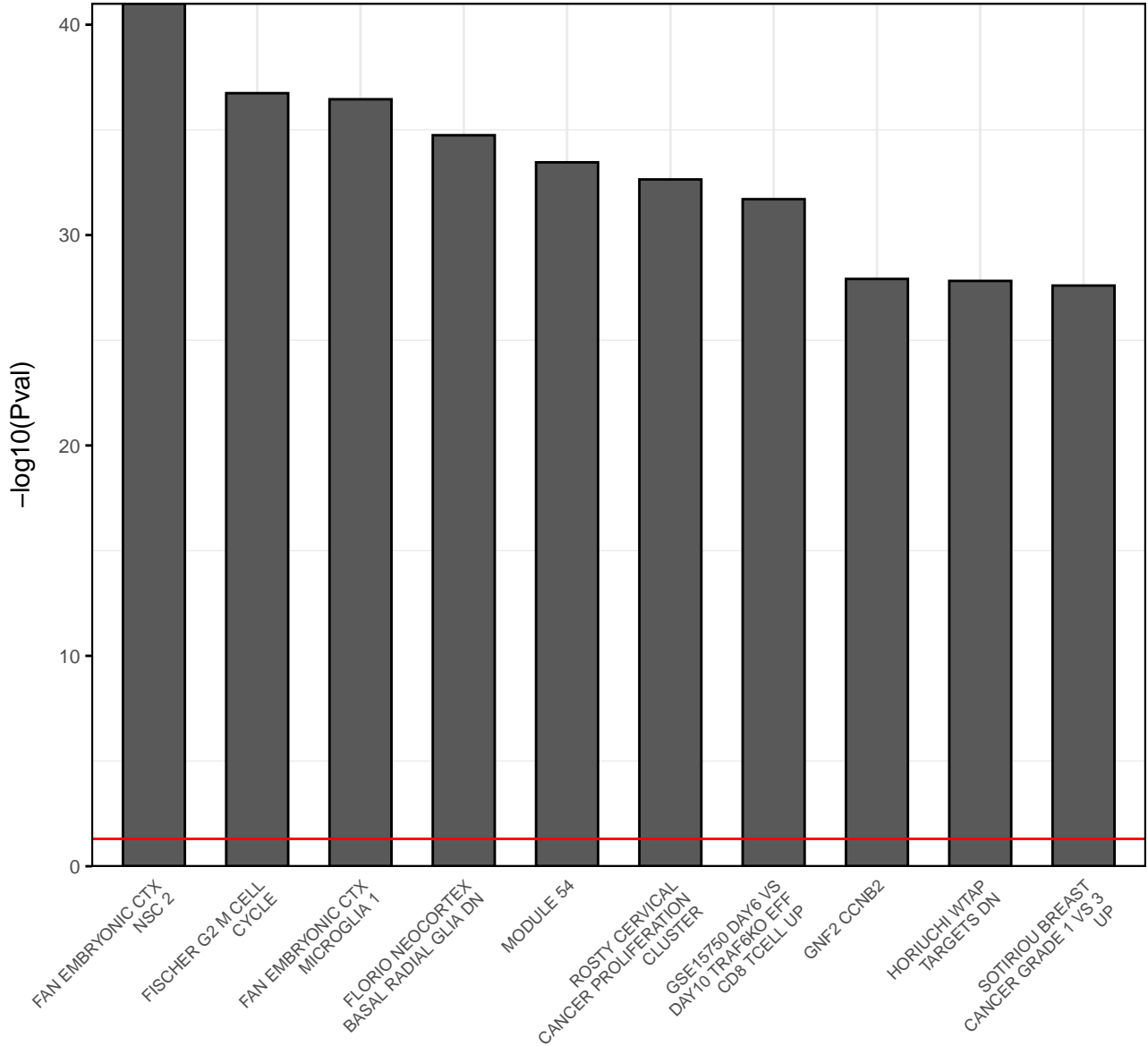


indianred4 module
Top 100 by kME
Bicor-None_signum0.508_minSize15_merge_ME_0.85_18566

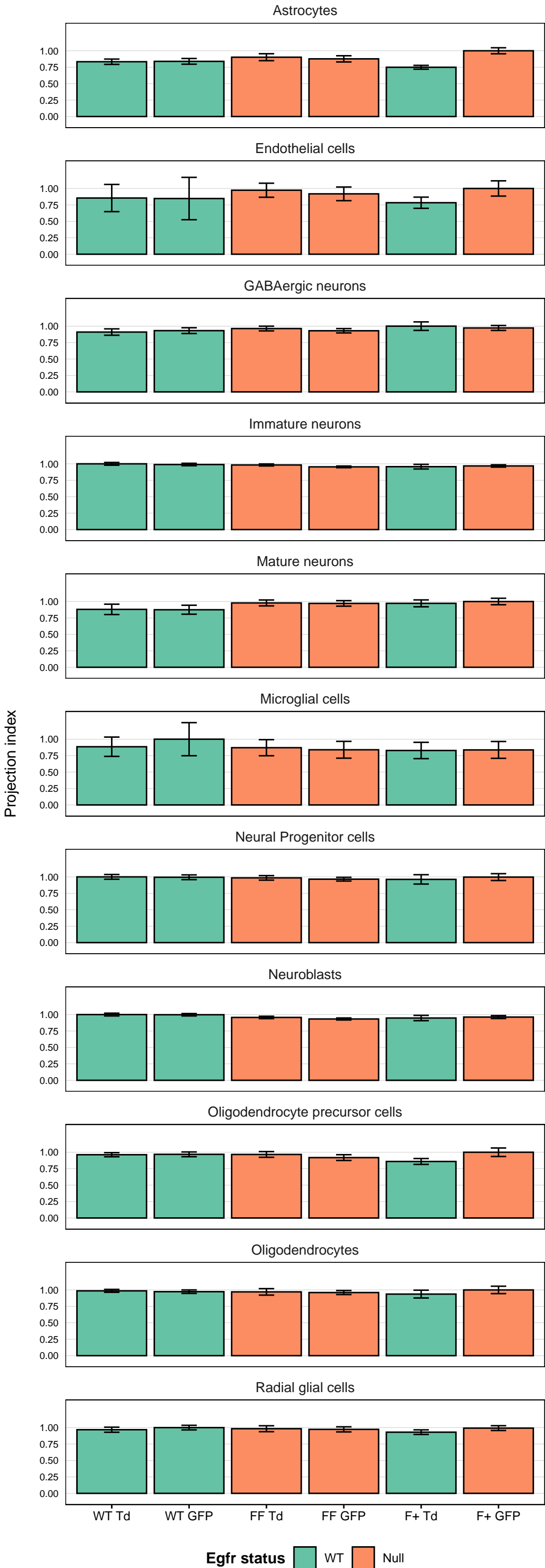


Top genes by kME

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

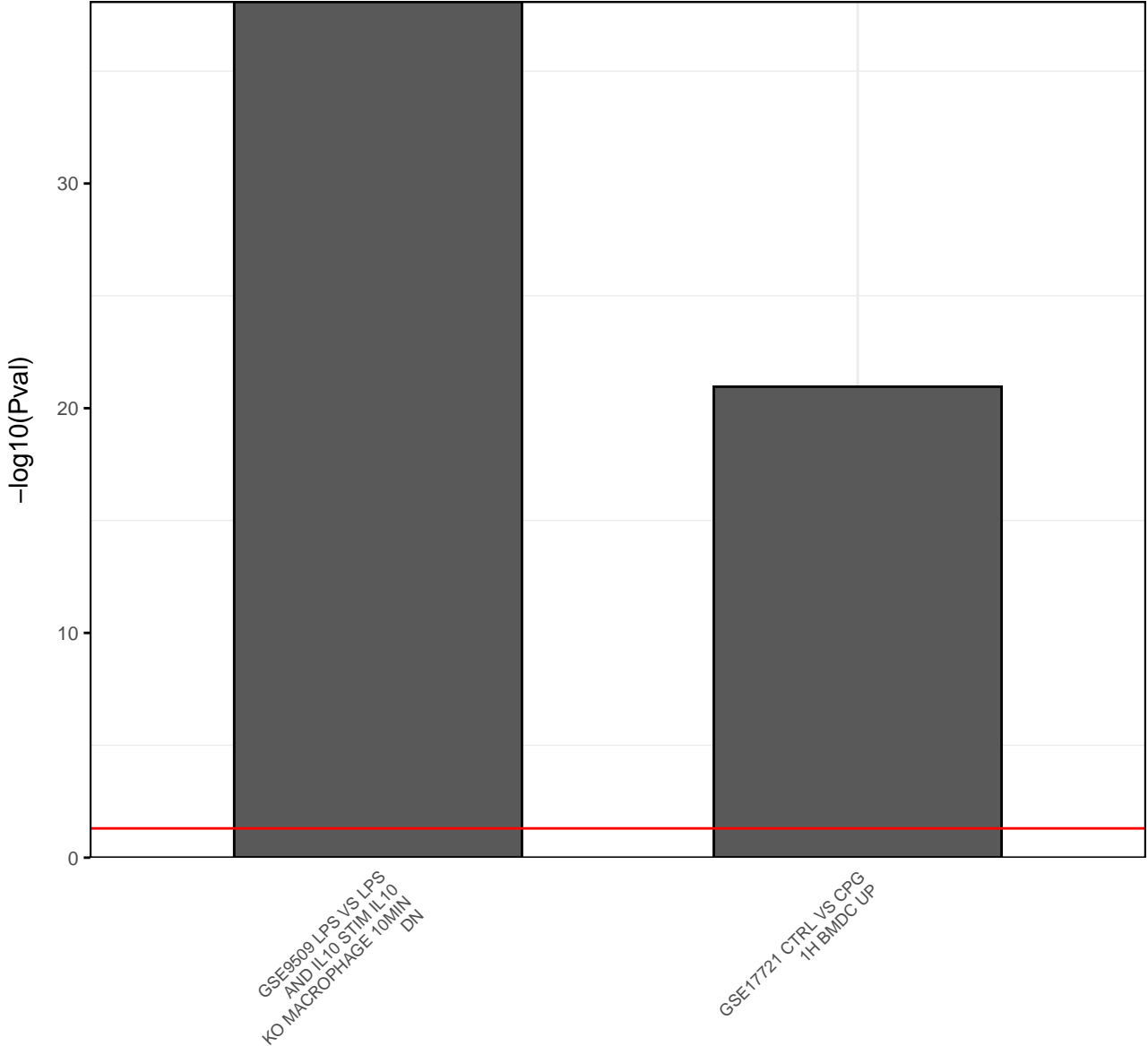


turquoise module
Top 100 by kME
Bicor-None_signum0.508_minSize15_merge_ME_0.85_18566

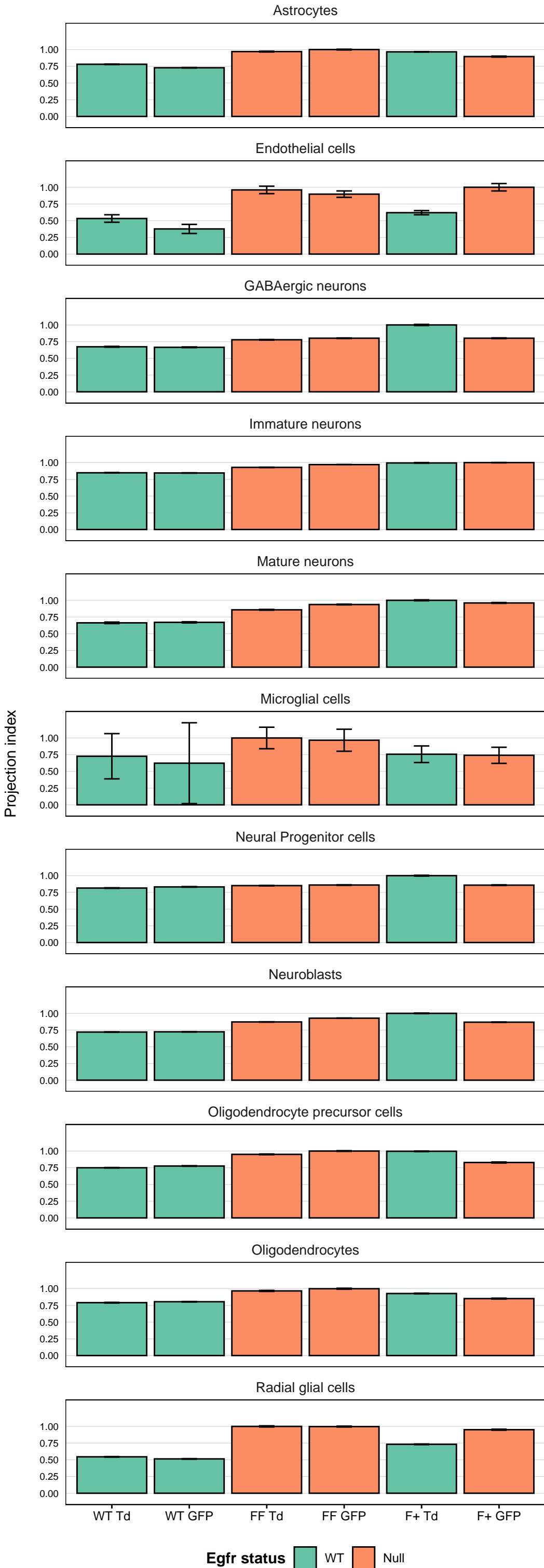


Top genes by kME

Gm48837
Apbb1ip
C5ar1
Evi2
Plek
Gm13727
Brca2
Gm26519
Snx20
Cwc22
Gpr84
Zfp992
Nipbl
Ccl12
Gm47121
Filip1l
Gm26692
Runx1
Gm6225
S100a11

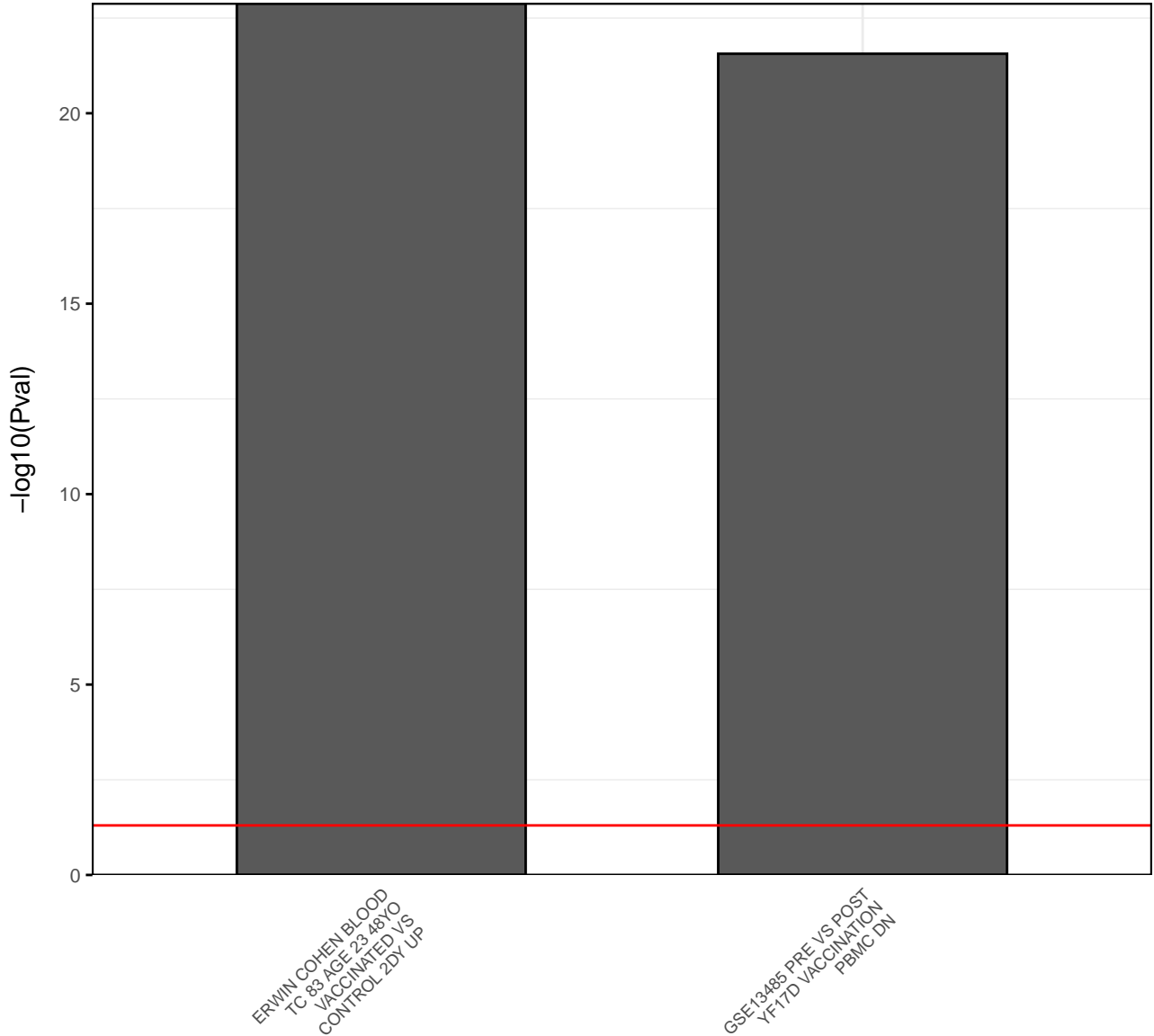


darkred module
Top 100 by kME
Bicor-None_signum0.508_minSize15_merge_ME_0.85_18566



Top genes by kME

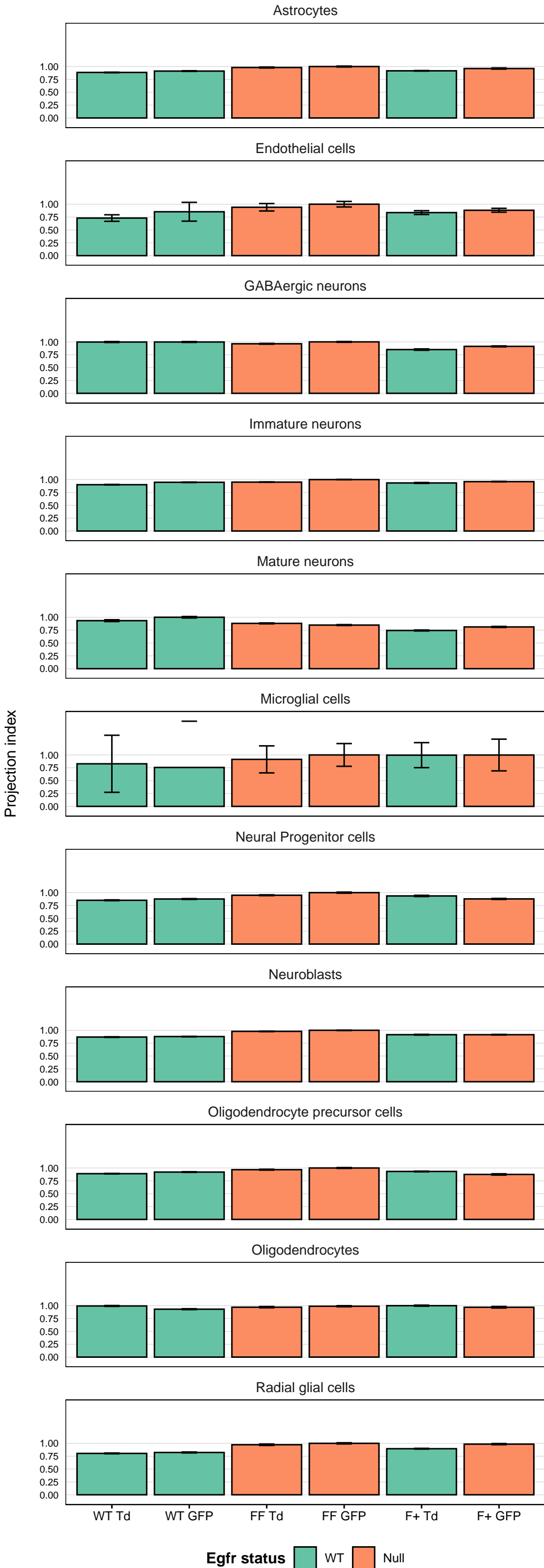
Cfb
Saa3
Ms4a4c
Plac8
Zbp1
Gm20658
Gm12971
Gm19299
Isg15
C3
Nfe2
Hp
Oasl2
Fpr3
Gm15579
F10
Gpr141
Ifi211
H2-Aa
C6



cyan module

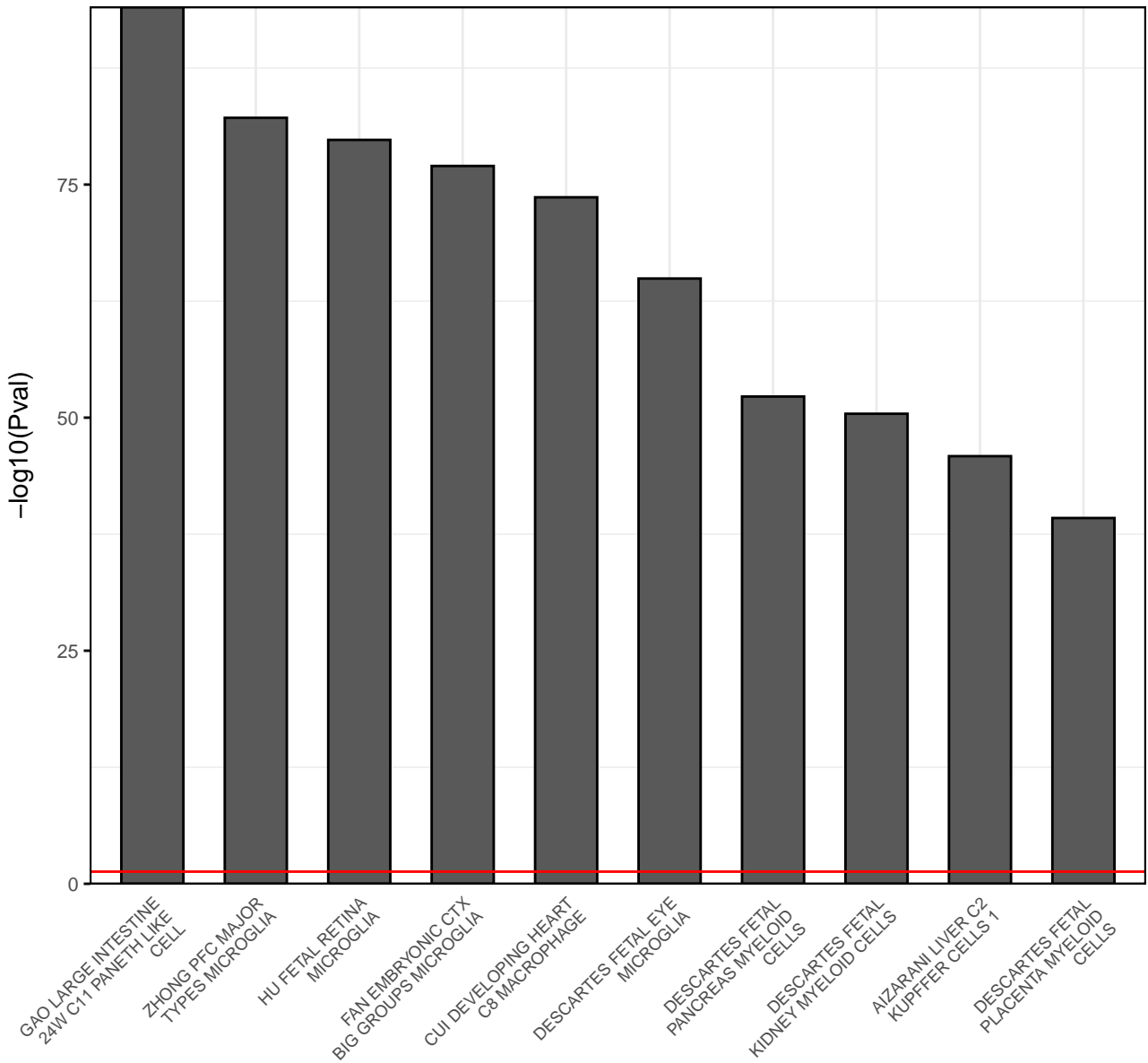
Top 100 by kME

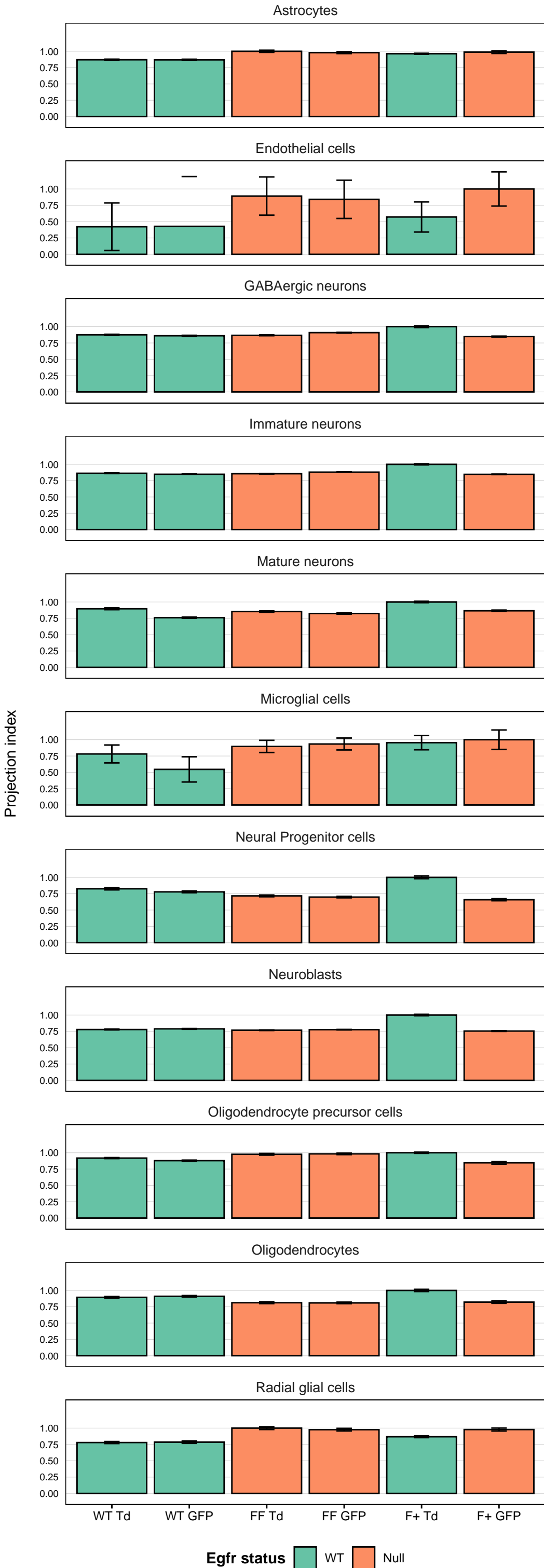
Bicor-None_signum0.757_minSize20_merge_ME_0.85_18566



Top genes by kME

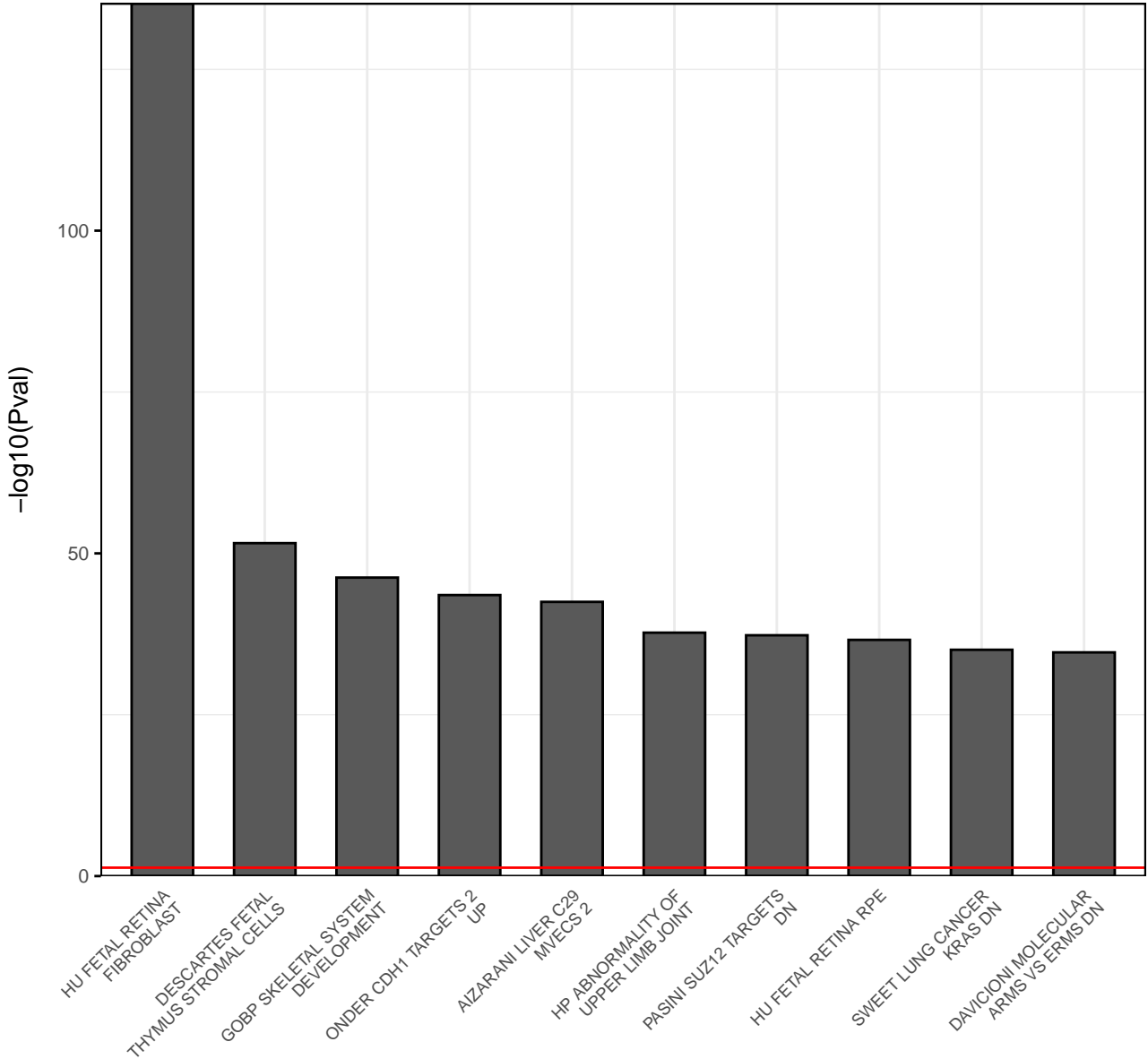
Ncf1
Nckap1l
Naip2
Cd53
AB124611
Il10ra
C1qb
Rab32
Ncf2
Ctss
Naip5
Adgre1
Cyba
Ms4a6c
Ms4a6b
Cd300a
Fcgr1
Dock2
Aoah
Tlr7



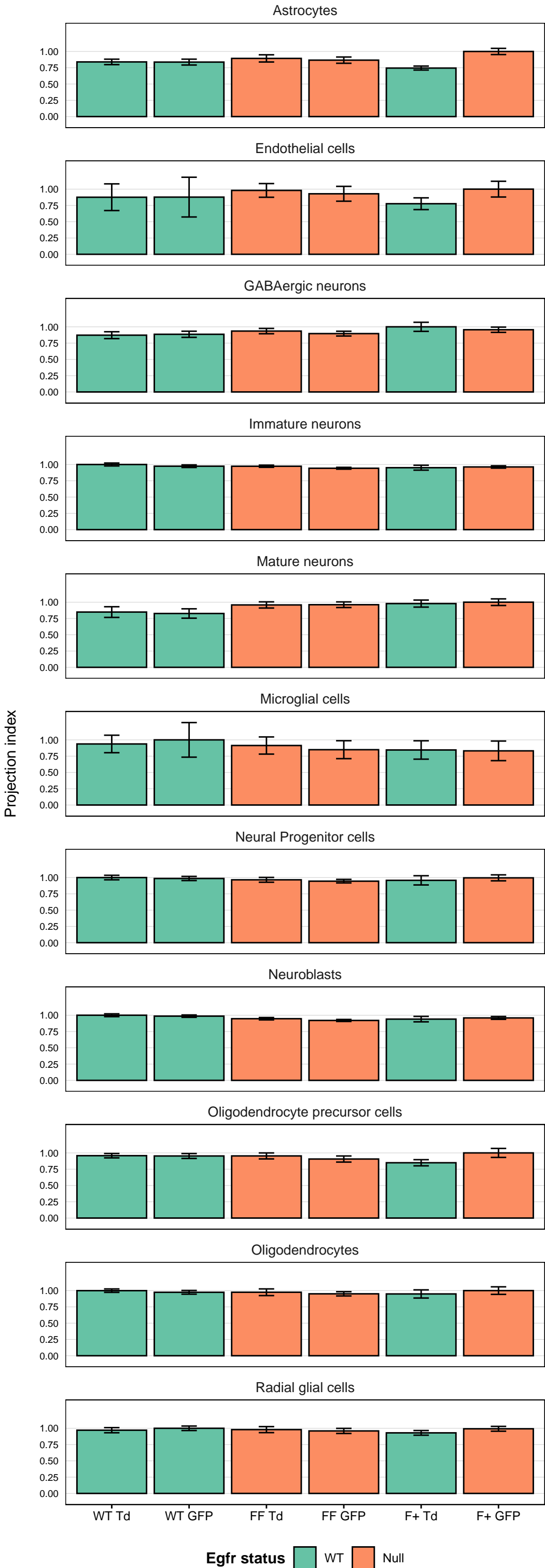


Top genes by kME

Fam43a
Cavin1
Fzd7
Sh3pxd2a
Agtrap
Gpc3
Bche
Eya2
Olfml2a
Notch2
Igf2r
Dcn
Cavin2
Ctsk
Aebp1
Tgfr3
Kirrel
Vstm4
Slc41a1
Slc16a12

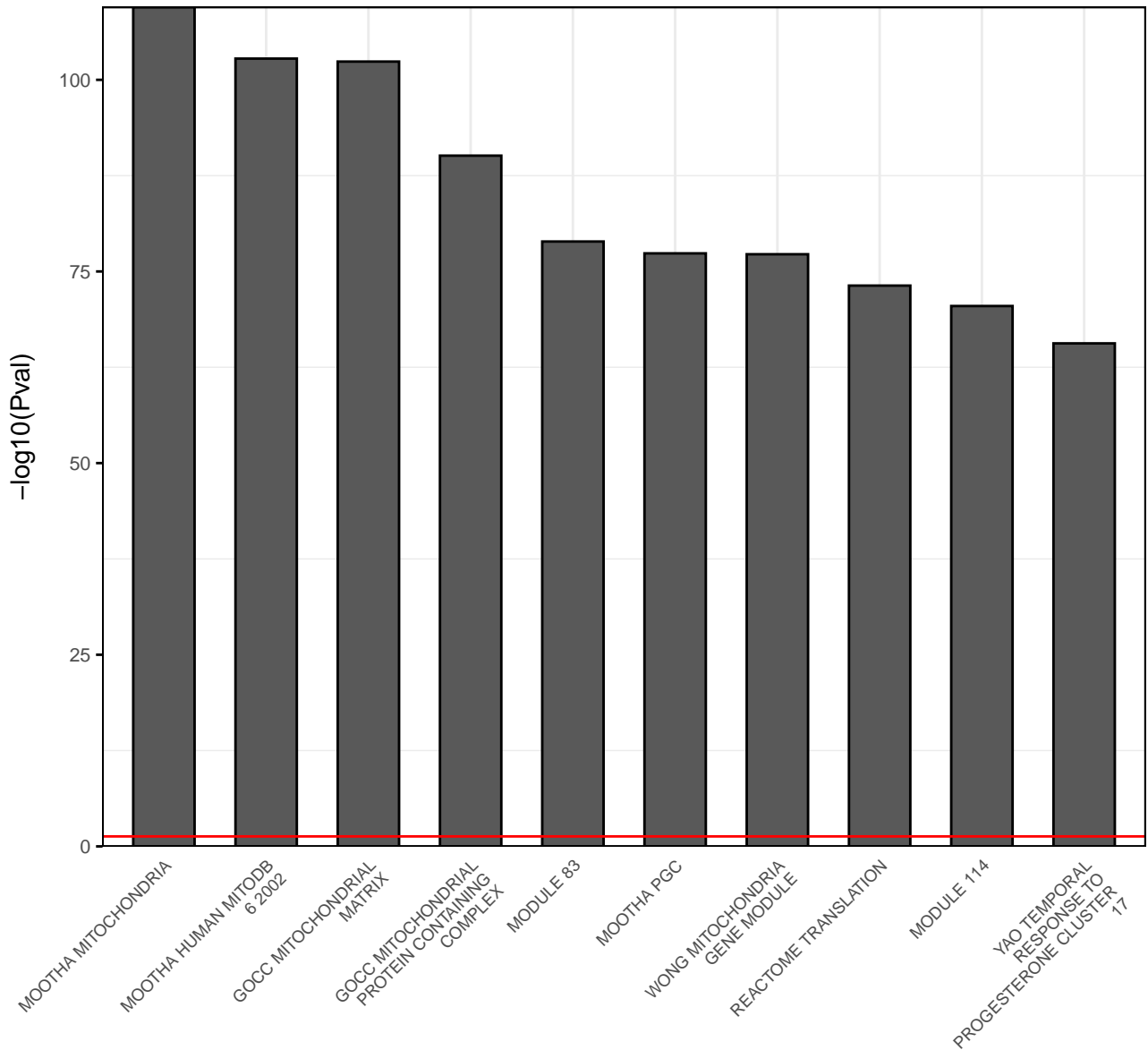


turquoise module
Top 100 by kME
Bicor-None_signum0.757_minSize20_merge_ME_0.85_18566



Top genes by kME

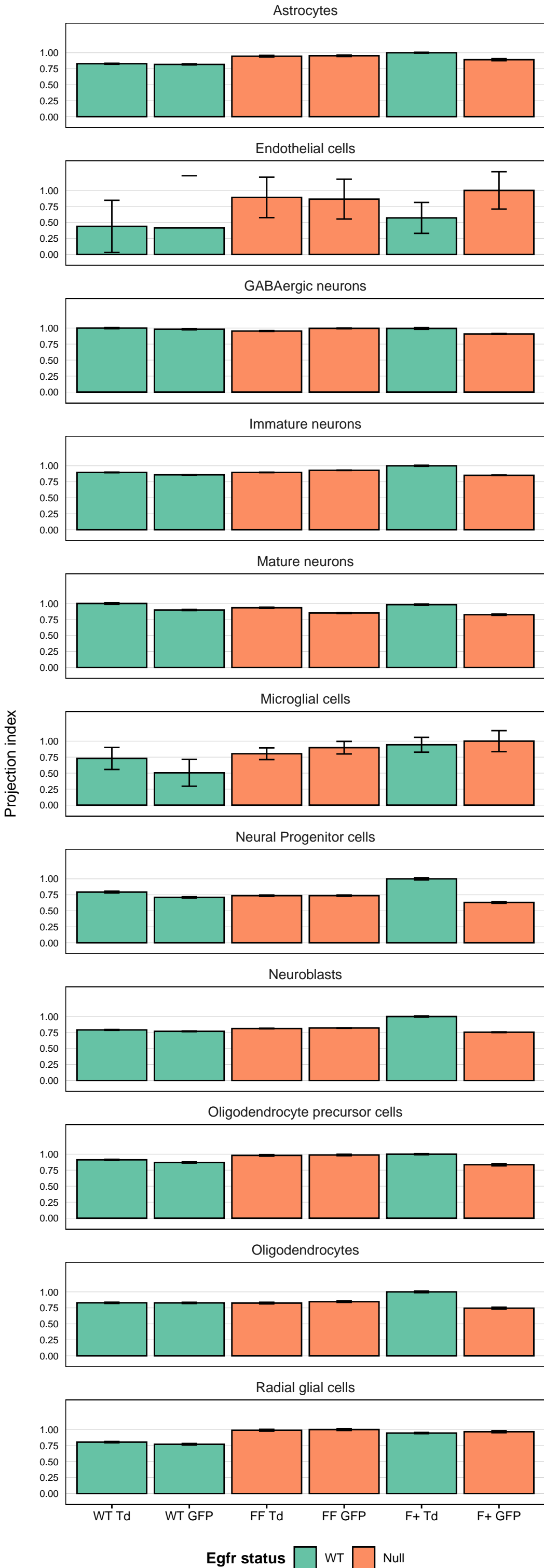
Dut
Dhrs7b
Ndufs2
Nipsnap1
PsmA6
Aip
Amz2
Ubb
SephS2
Selenof
Vps45
Tmem222
Adh5
Uqcrc2
Ociad1
Cog8
BC031181
Spcs1
Zc3hc1
Tatdn1



green module

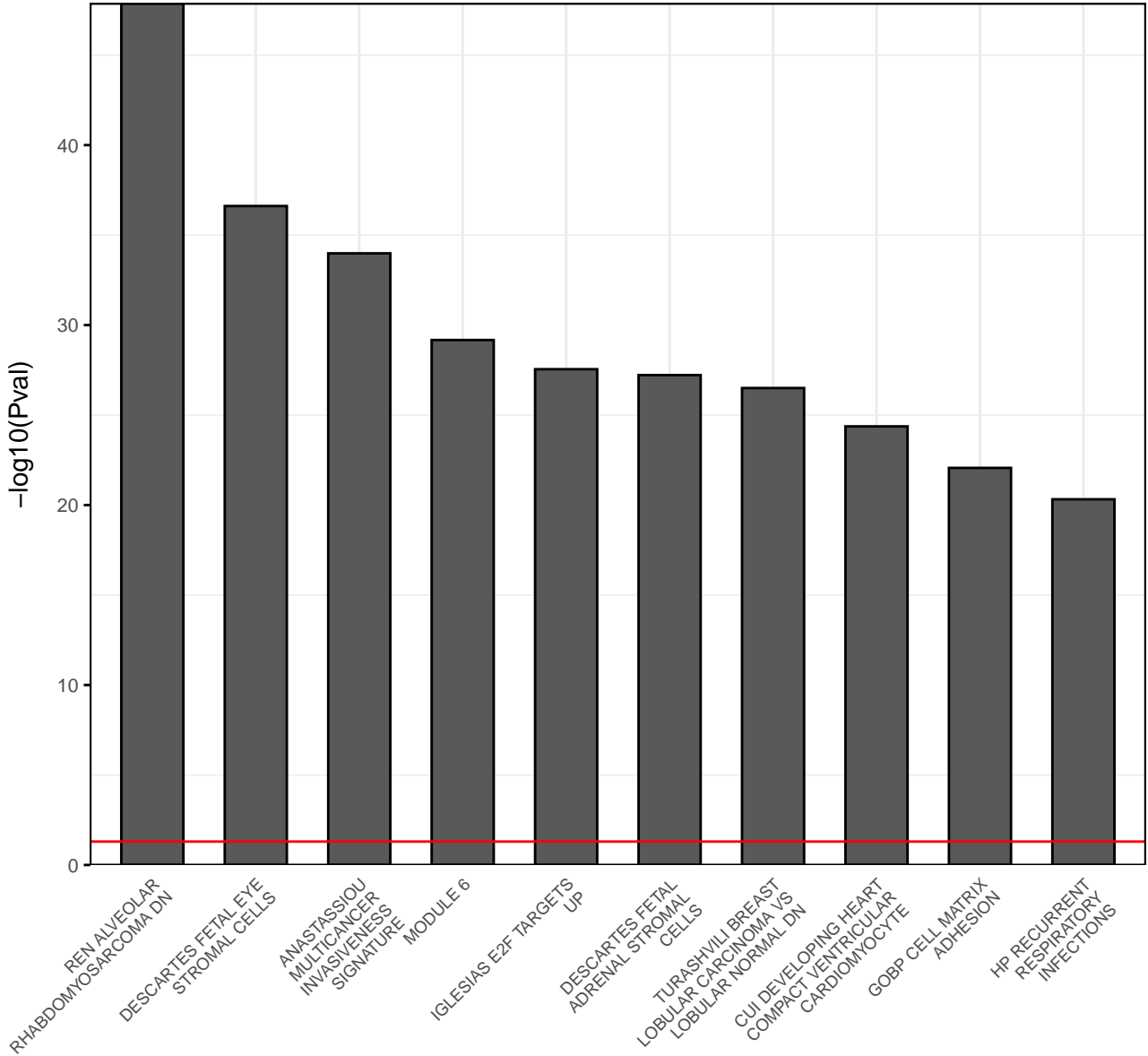
Top 100 by kME

Bicor=None_signum0.757_minSize12_merge_ME_0.85_18566

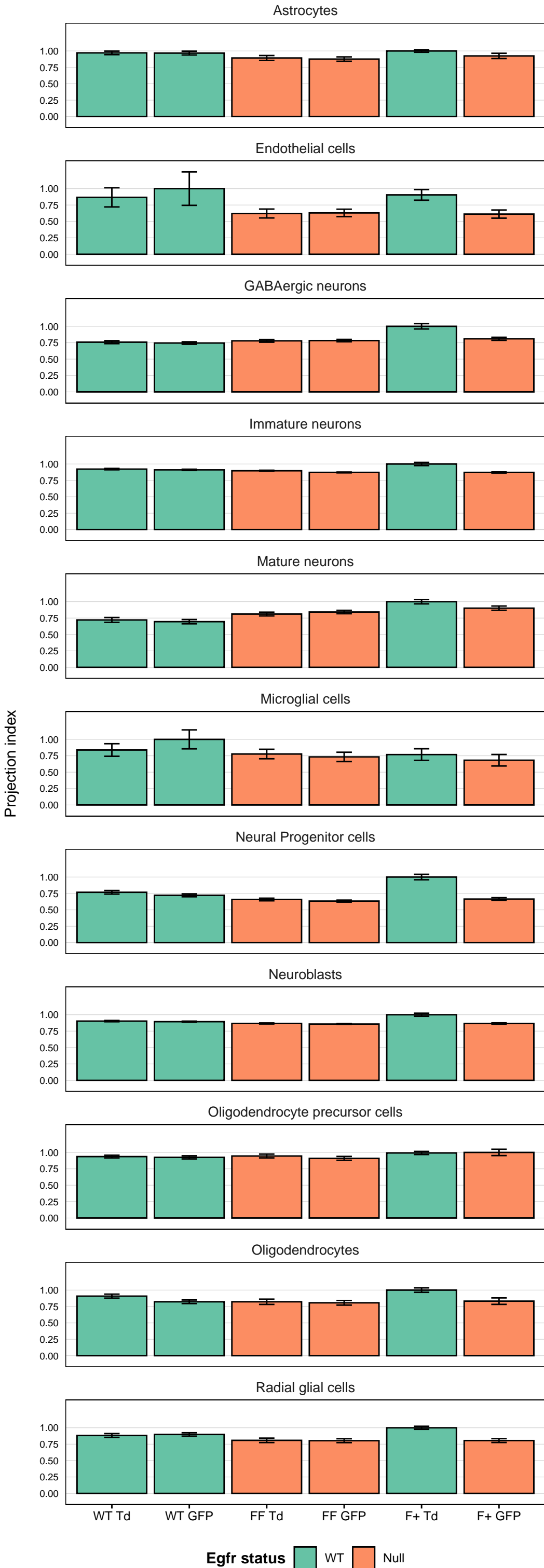


Top genes by kME

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

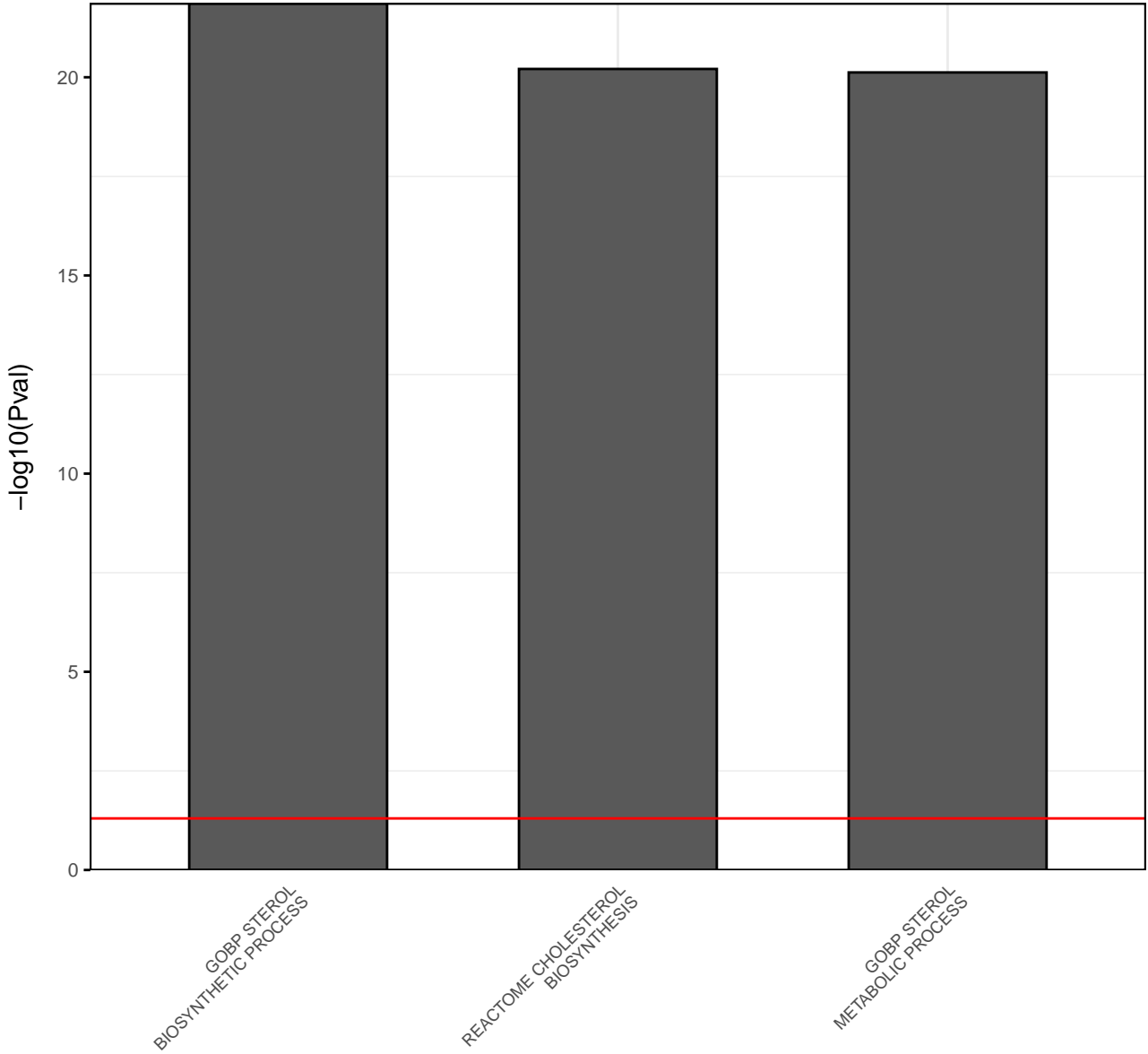


greenyellow module
Top 100 by kME
Bicor-None_signum0.757_minSize12_merge_ME_0.85_18566

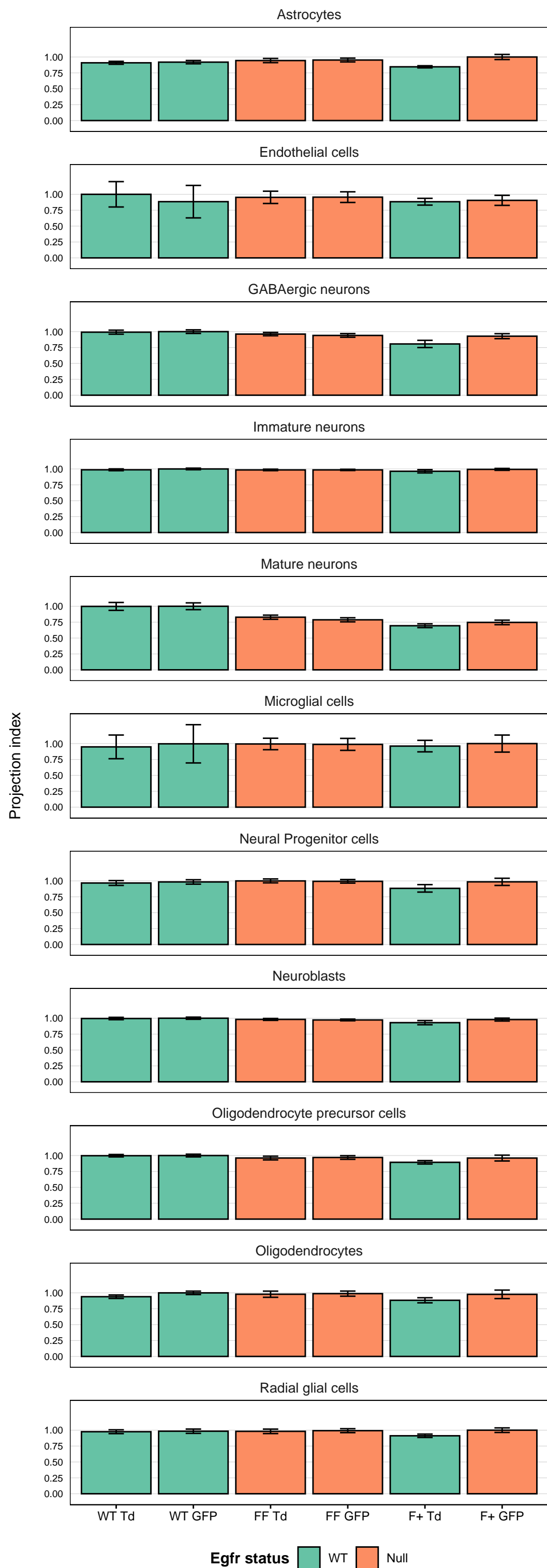


Top genes by kME

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

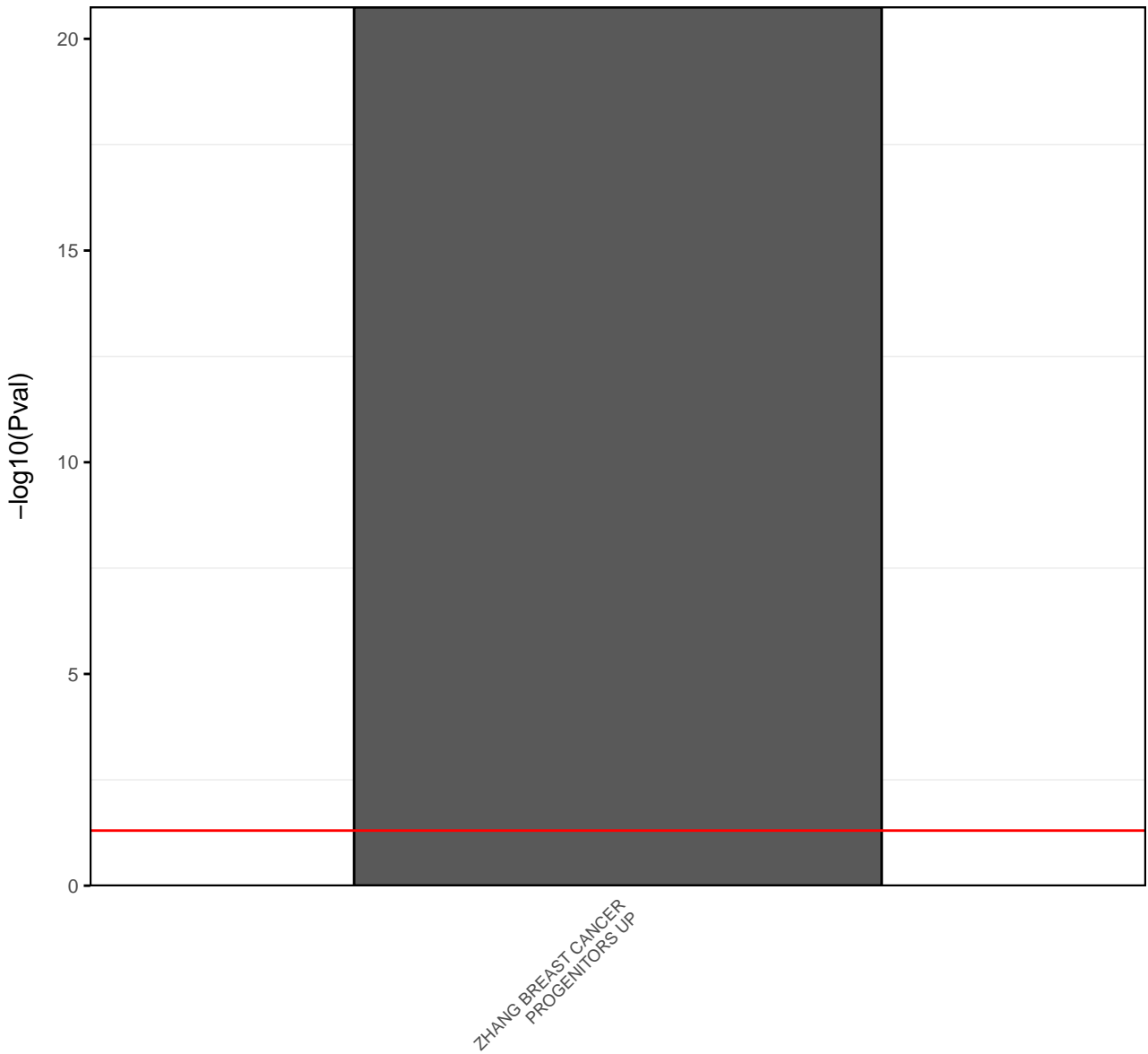


tan module
Top 100 by kME
Bicor-None_signum0.757_minSize12_merge_ME_0.85_18566

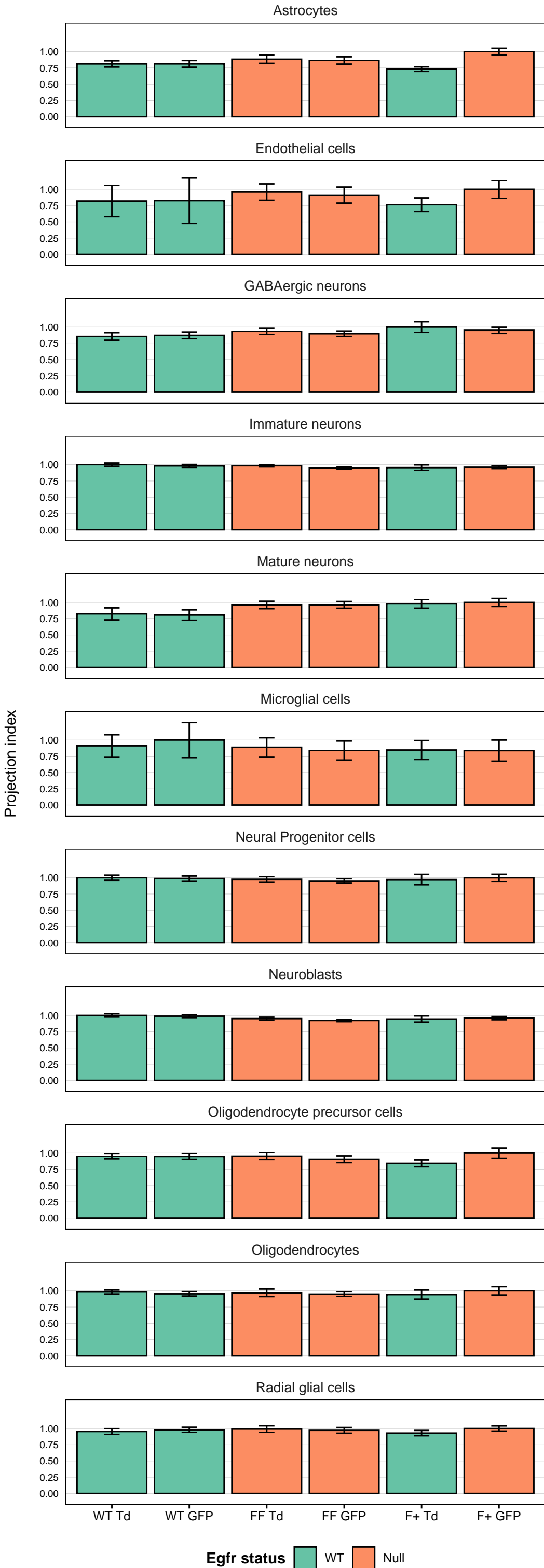


Top genes by kME

Syap1
Tmem67
Ttc8
Gtpbp10
Zfp868
Rnf185
Matn2
Tbc1d15
2010315B03Rik
Gstcd
Ddx50
Ankle2
Fam107b
Wrn
2610008E11Rik
Pls3
Cul5
Polr3f
AU041133
4931406C07Rik

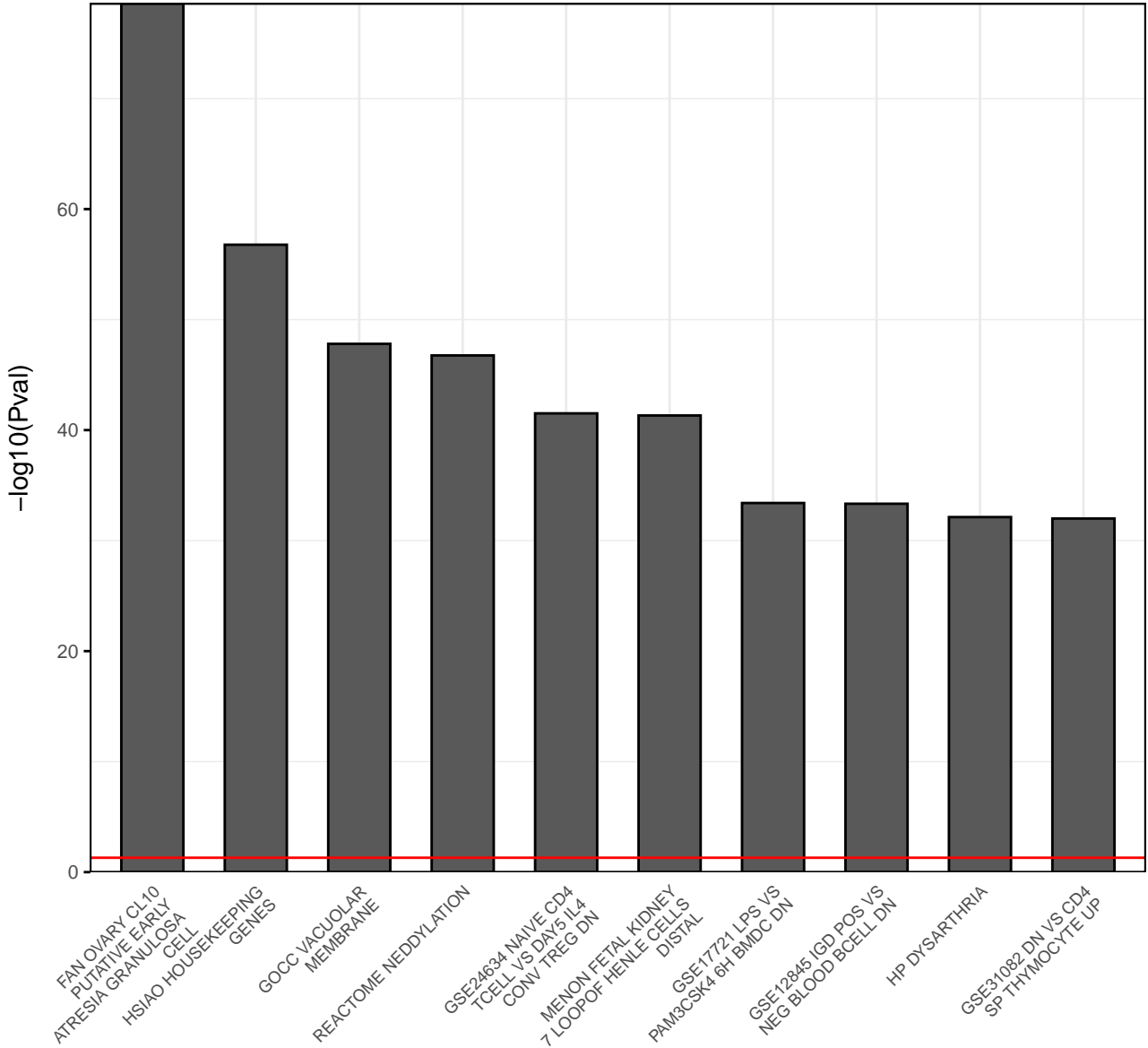


turquoise module
Top 100 by kME
Bicor-None_signum0.757_minSize12_merge_ME_0.85_18566

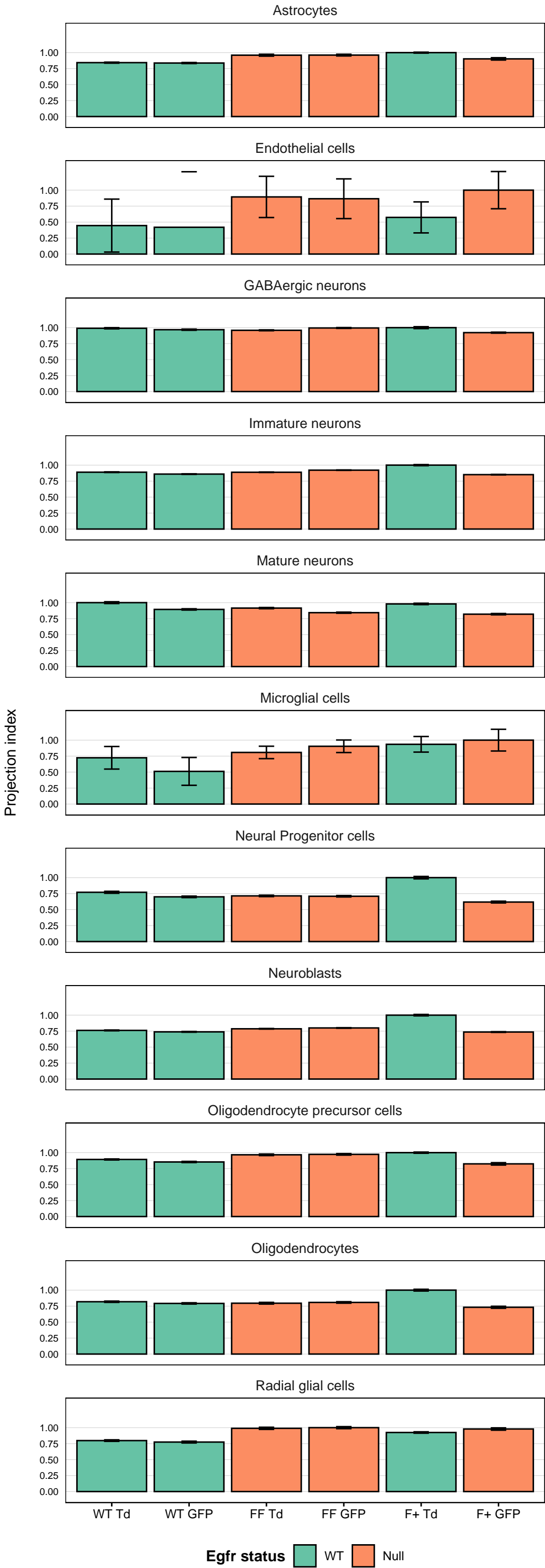


Top genes by kME

Dhrs7b
Ndufs2
SephS2
Ubb
Atp5a1
Nipsnap1
BC031181
Chst10
Vps16
Dap3
Vps45
Copz1
Tpi1
Amz2
Selenof
Trap1
Zc3hc1
Ei24
Mpst
Amfr

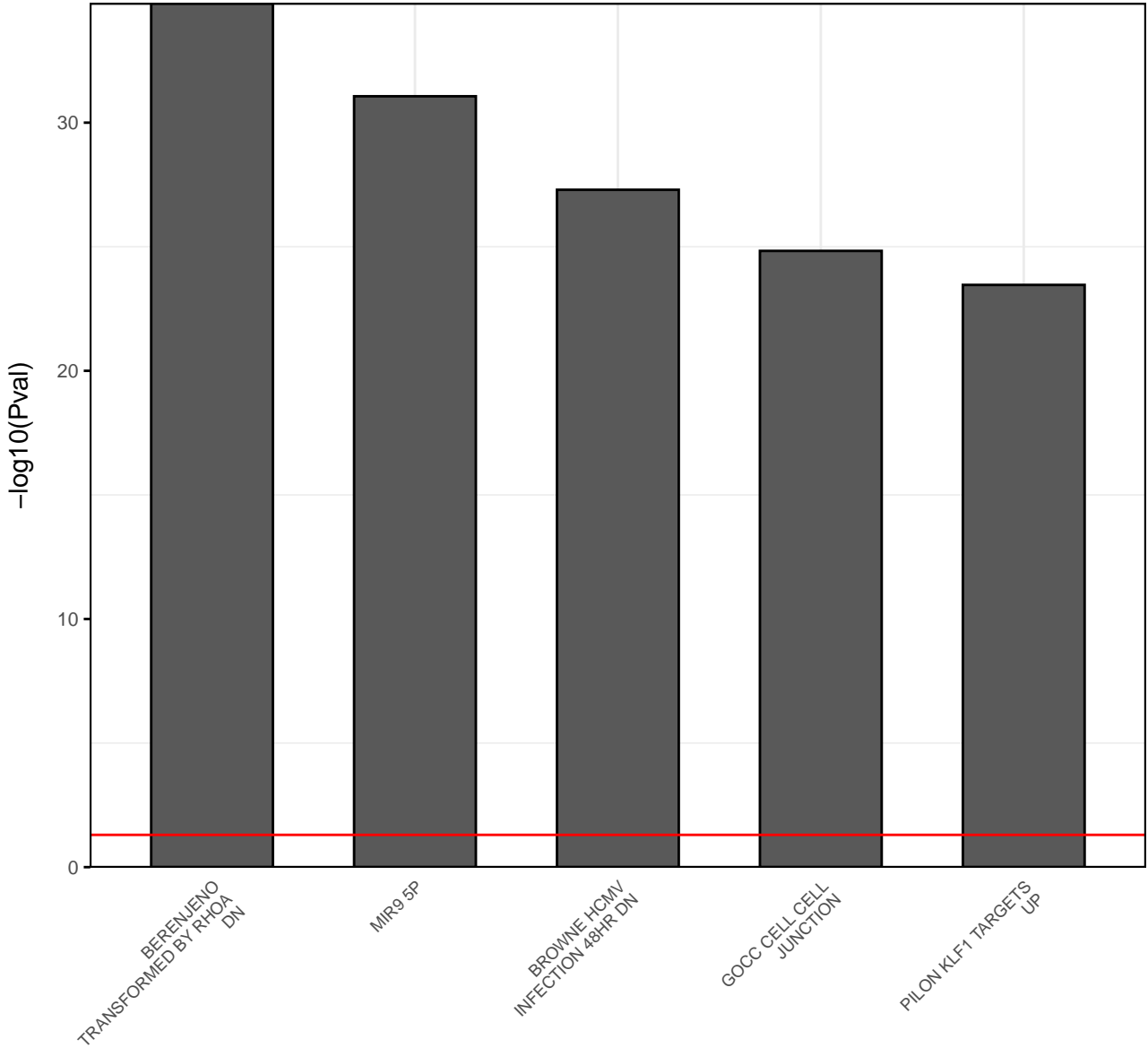


green module
Top 100 by kME
Bicor-None_signum0.643_minSize20_merge_ME_0.85_18566

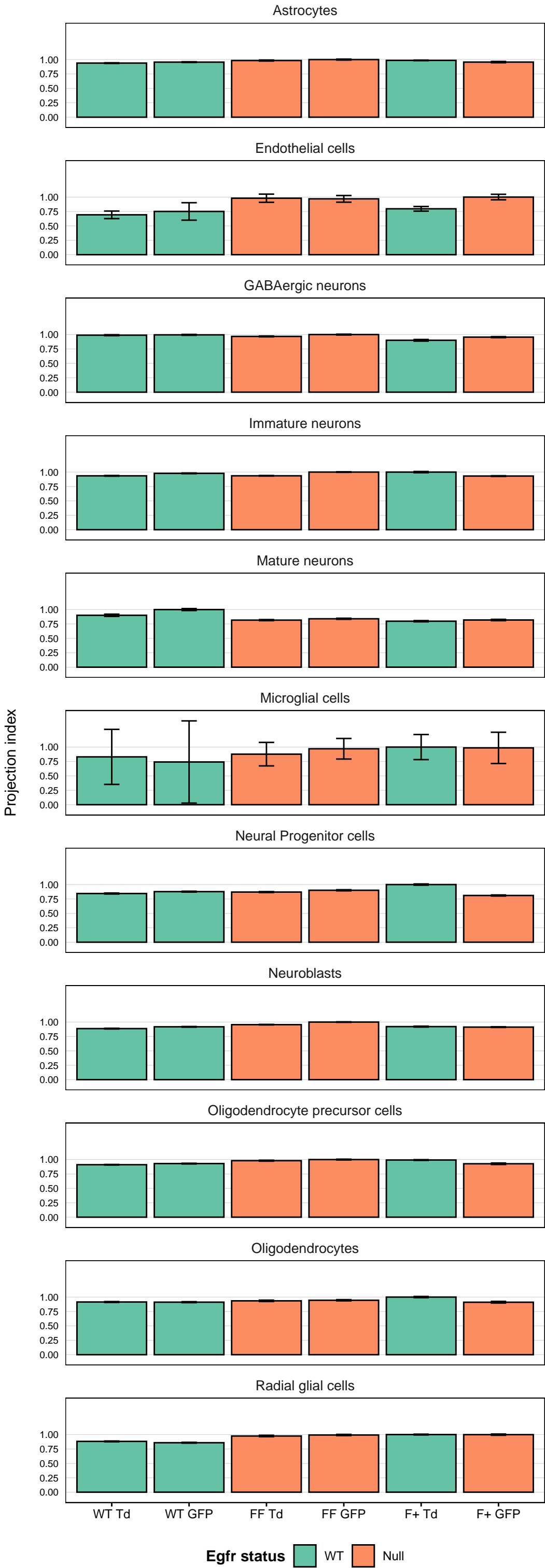


Top genes by kME

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

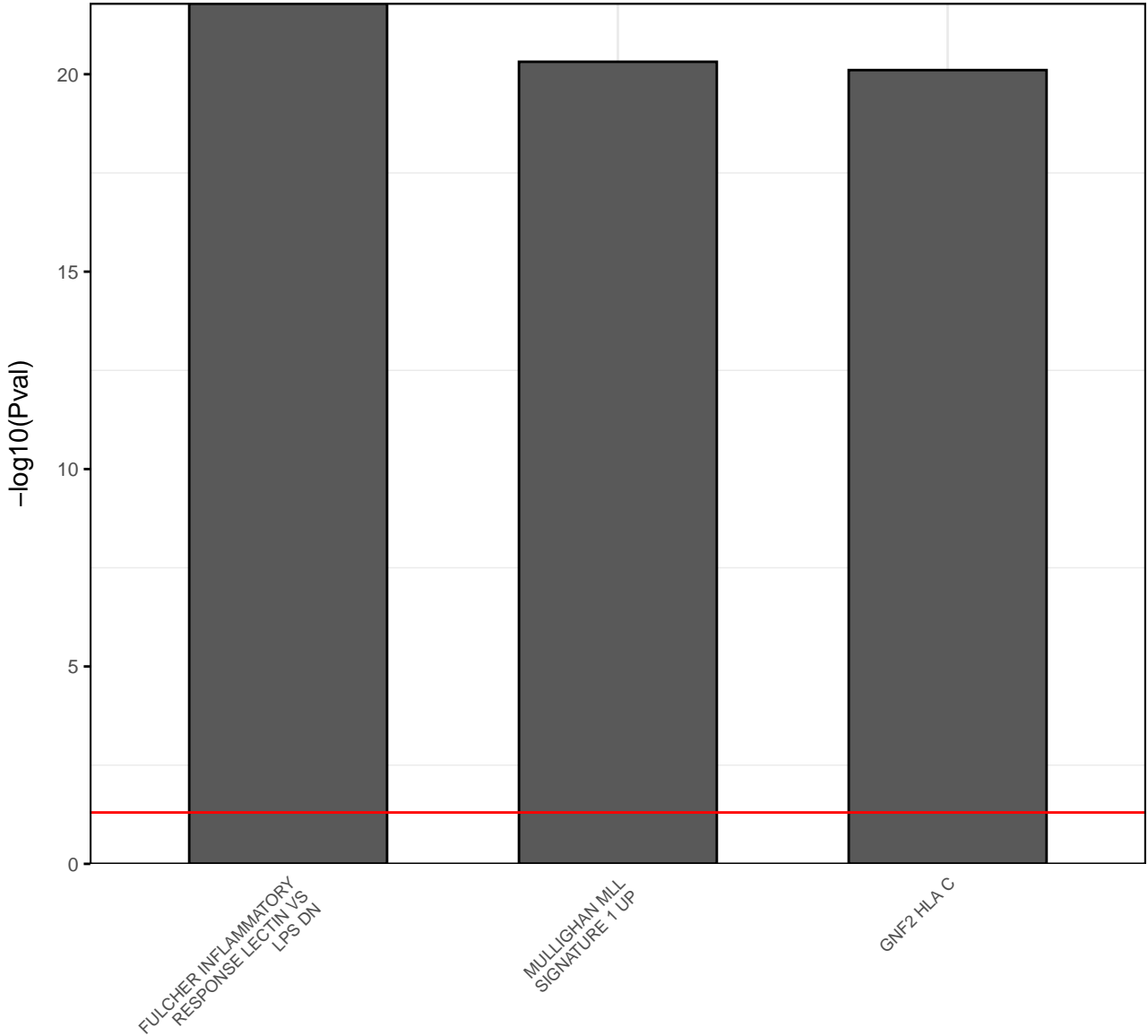


greenyellow module
Top 100 by kME
Bicor-None_signum0.643_minSize20_merge_ME_0.85_18566



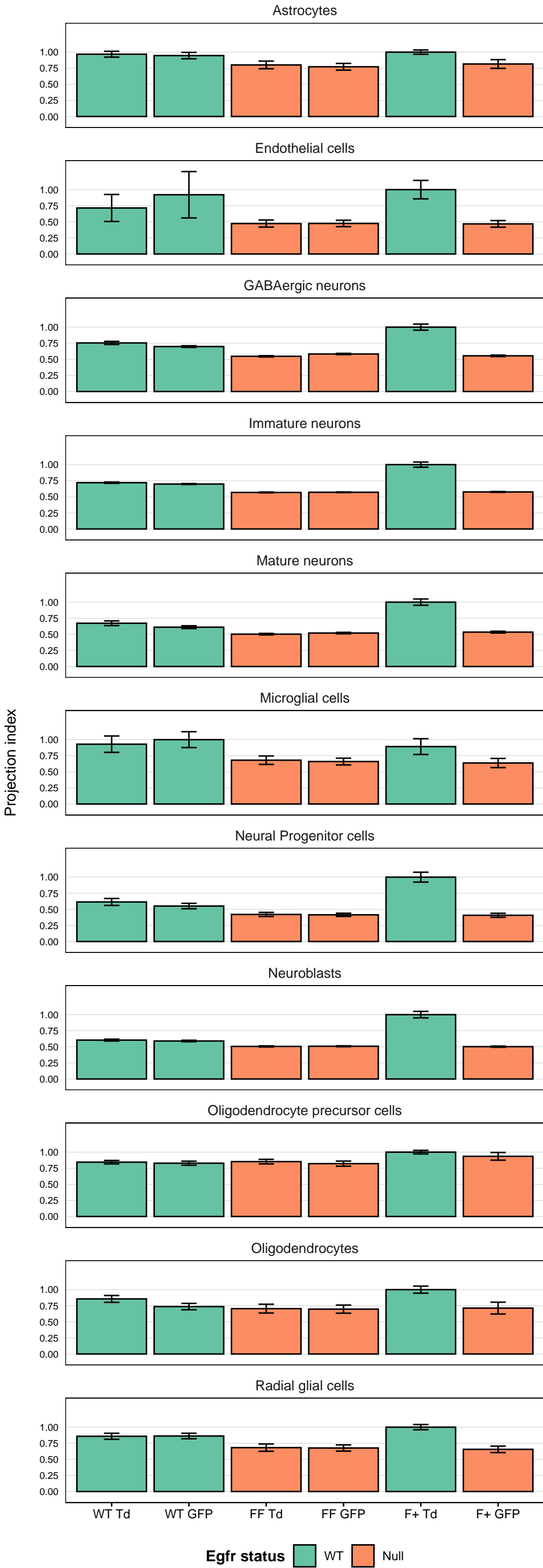
Top genes by kME

- Unc93b1
- Arhgap45
- Ncf1
- Nckap1l
- Rab32
- Gsdmd
- Hk3
- Cyth4
- Cx3cr1
- Il10ra
- Ms4a6b
- Dock2
- Cplane1
- Syk
- Lpcat2
- Tnfaip8l2
- Adgre1
- P2ry6
- Fermt3
- Aoah



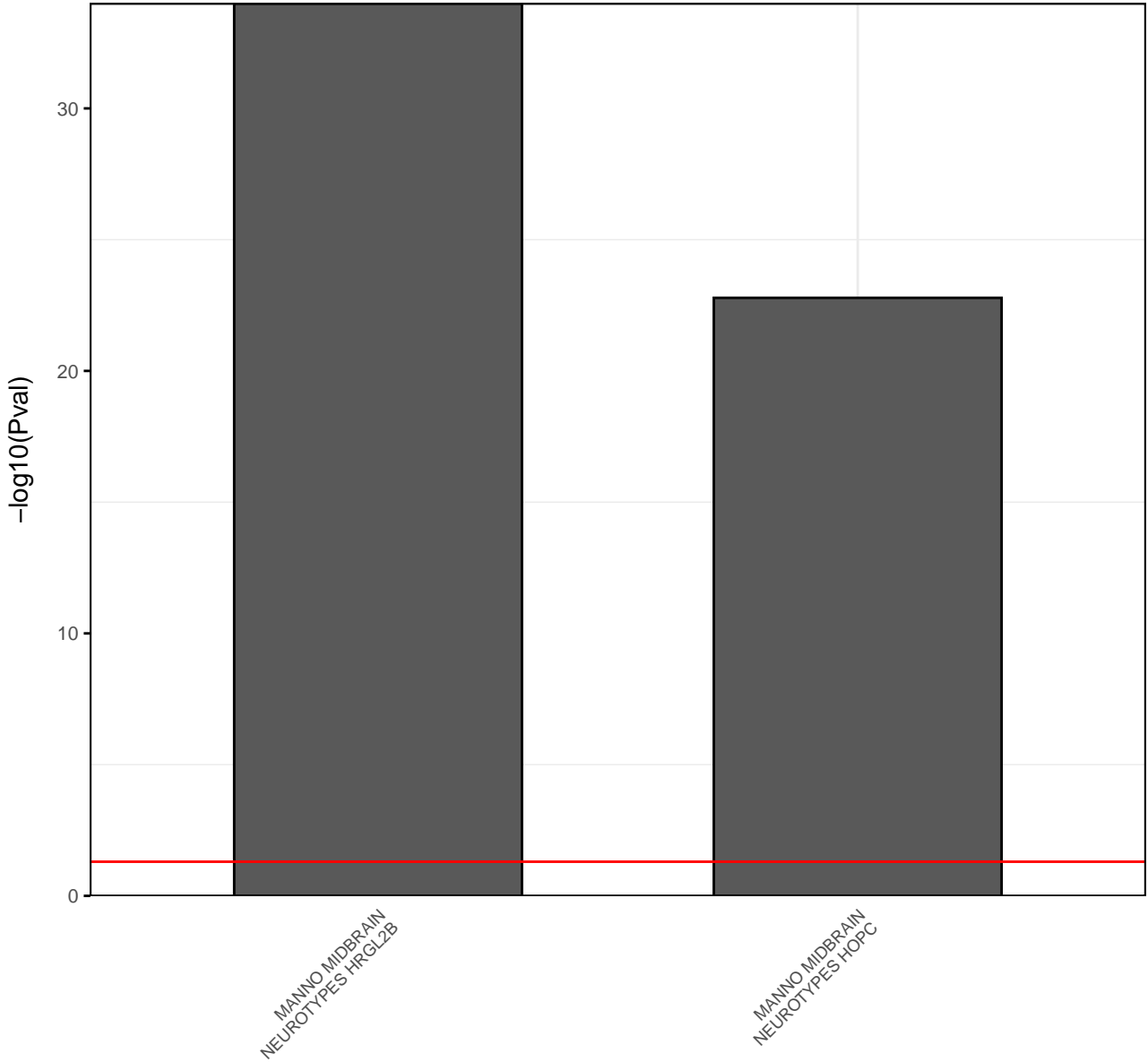
tan module
Top 100 by kME

Bicor-None_signum0.643_minSize20_merge_ME_0.85_18566

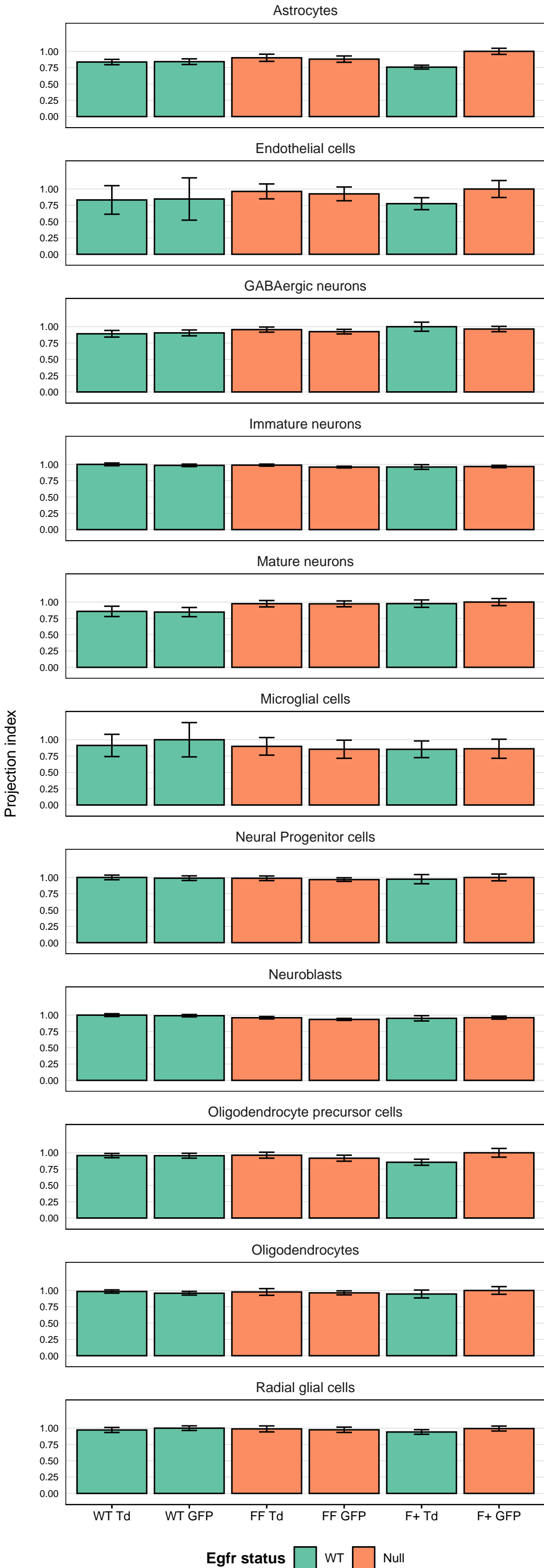


Top genes by kME

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

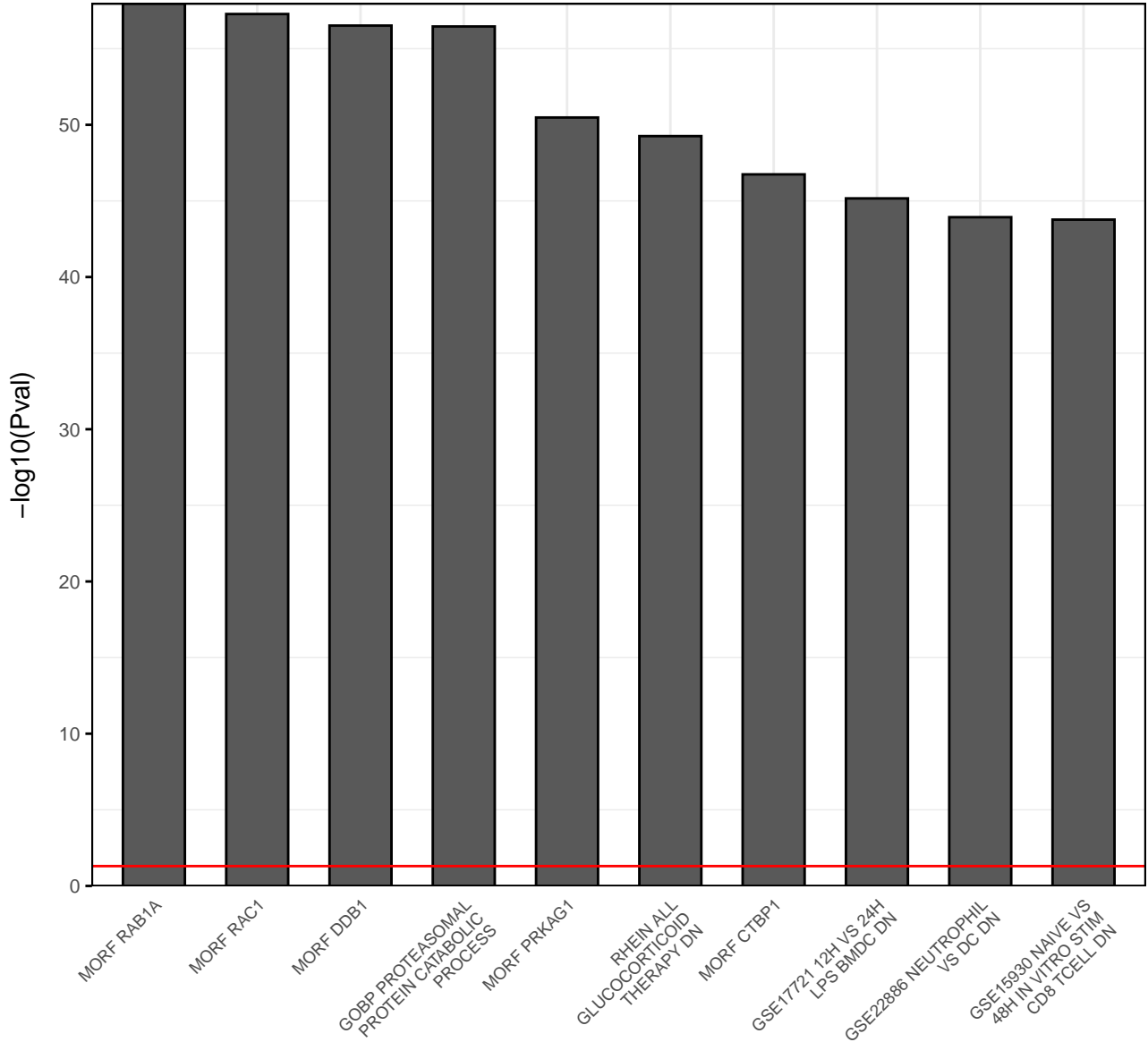


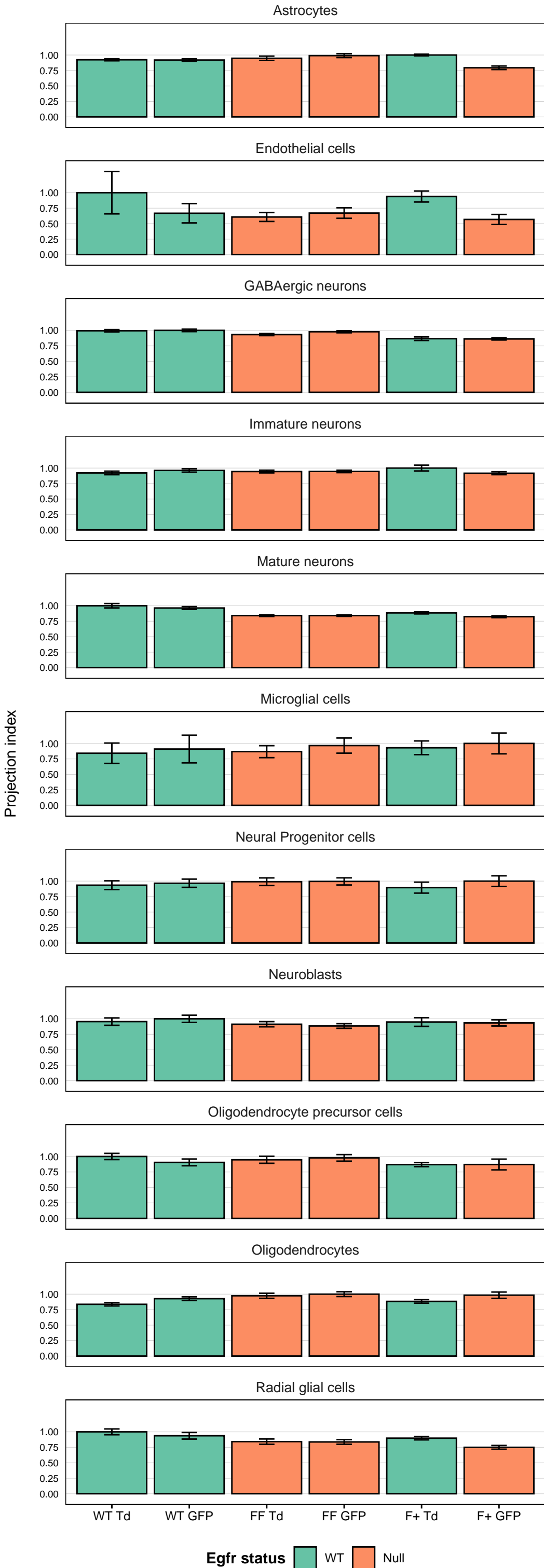
turquoise module
Top 100 by kME
Bicor-None_signum0.643_minSize20_merge_ME_0.85_18566



Top genes by kME

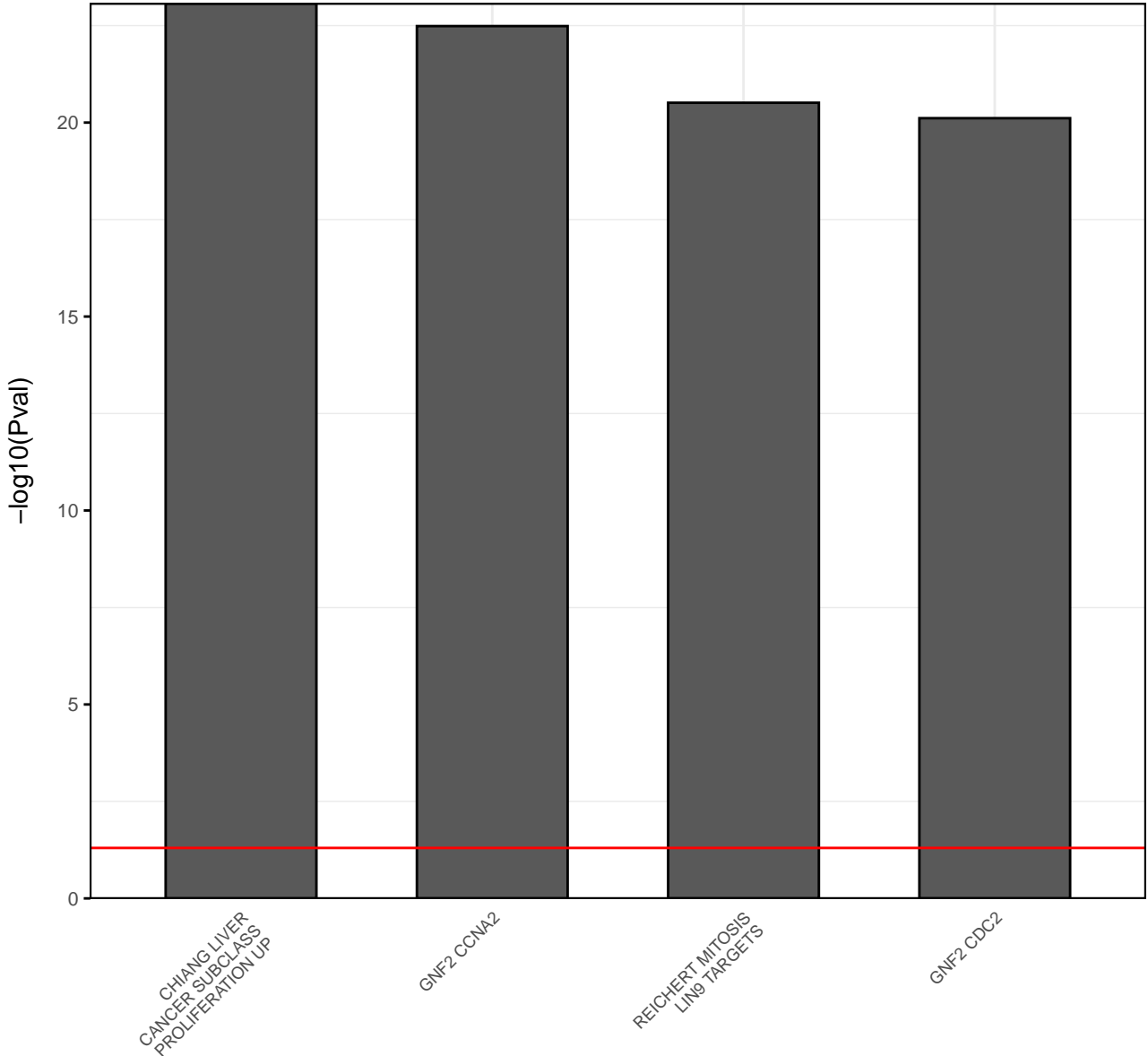
- Fam24a
- Olf1366
- Gm44764
- 4933424L21Rik
- 5430401F13Rik
- Gm36246
- 1500015L24Rik
- Rbm46os
- Gm40923
- Glp2r
- G630055G22Rik
- Gm36550
- Spink4
- Msh6
- Gm26671
- Ptpcap
- Gm12925
- Kctd4
- Rapgef3os1
- Mtrex





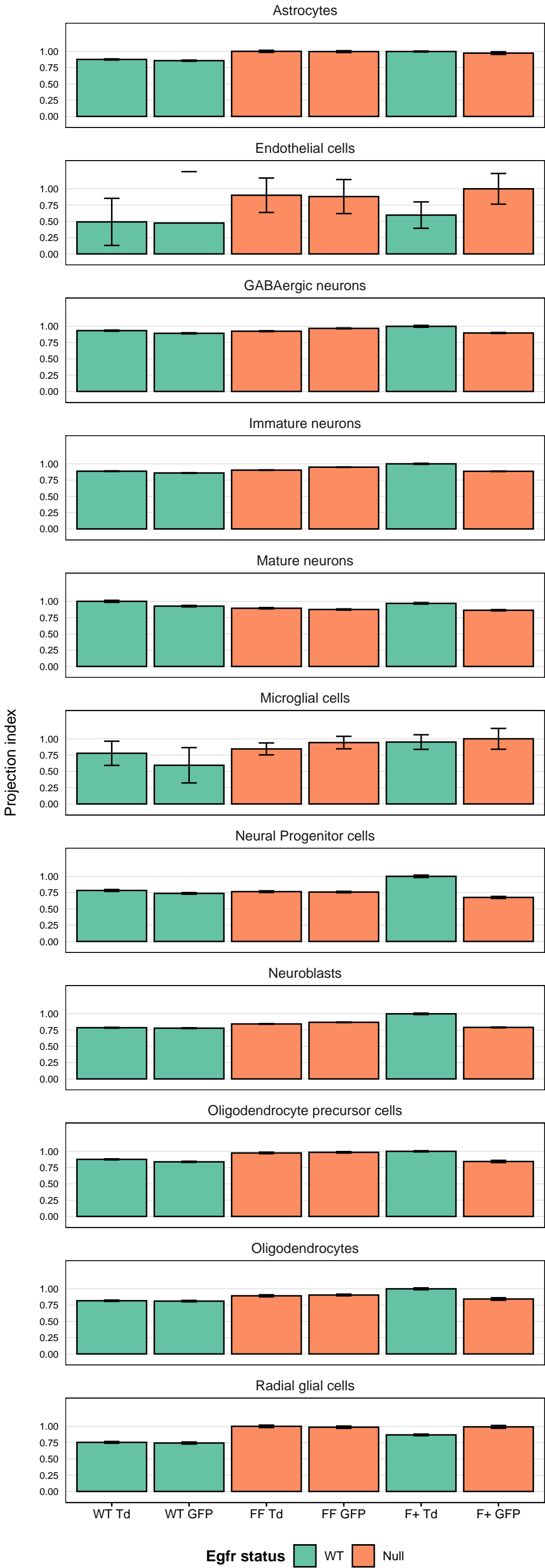
Top genes by kME

Cenpe
C330019F10Rik
Mki67
Cenpf
Ckap2l
Kif14
Prr11
Gm48619
Aspm
Mis18bp1
E2f8
Smc4
Kif20b
Cep55
Kif20a
Hmgb2
Hmmr
Sgo2a
Dlgap5
Ppp1r12a



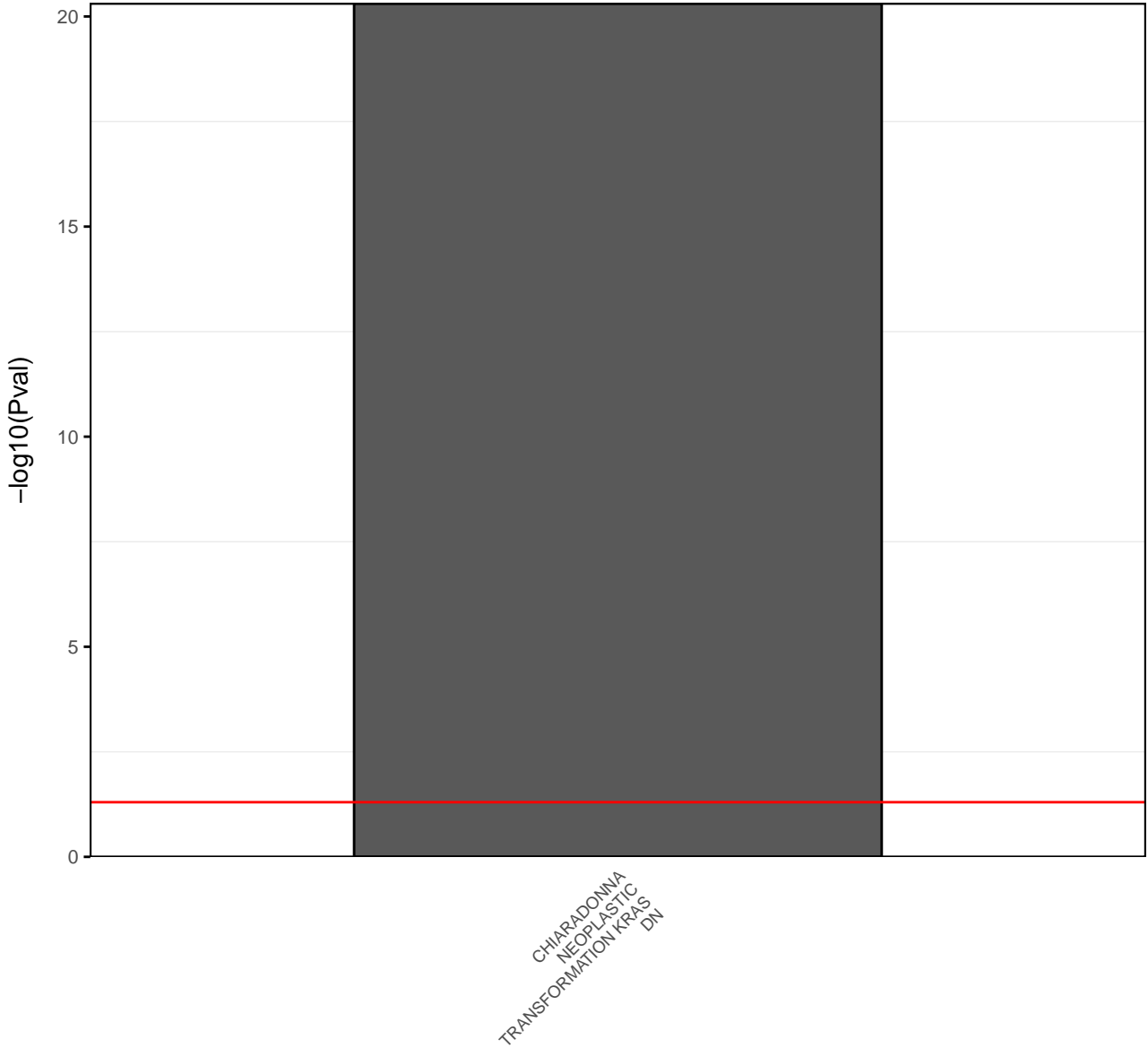
blue module
Top 100 by kME

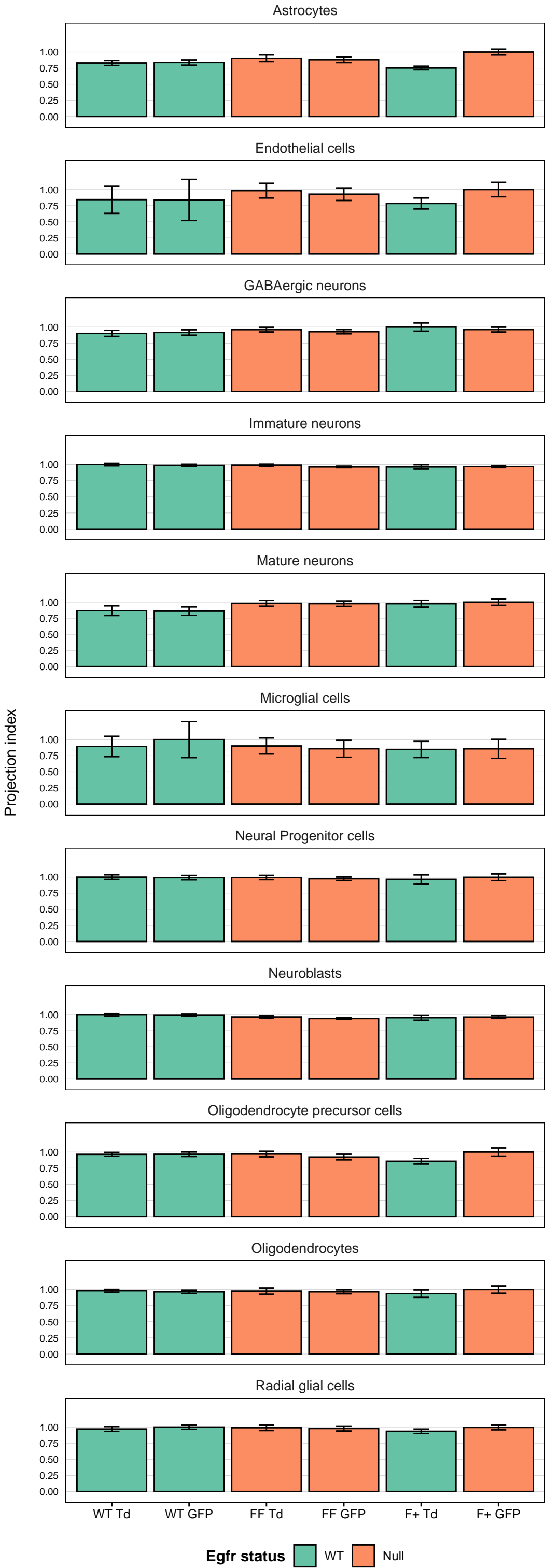
Bicor=None_signum0.607_minSize10_merge_ME_0.85_18566



Top genes by kME

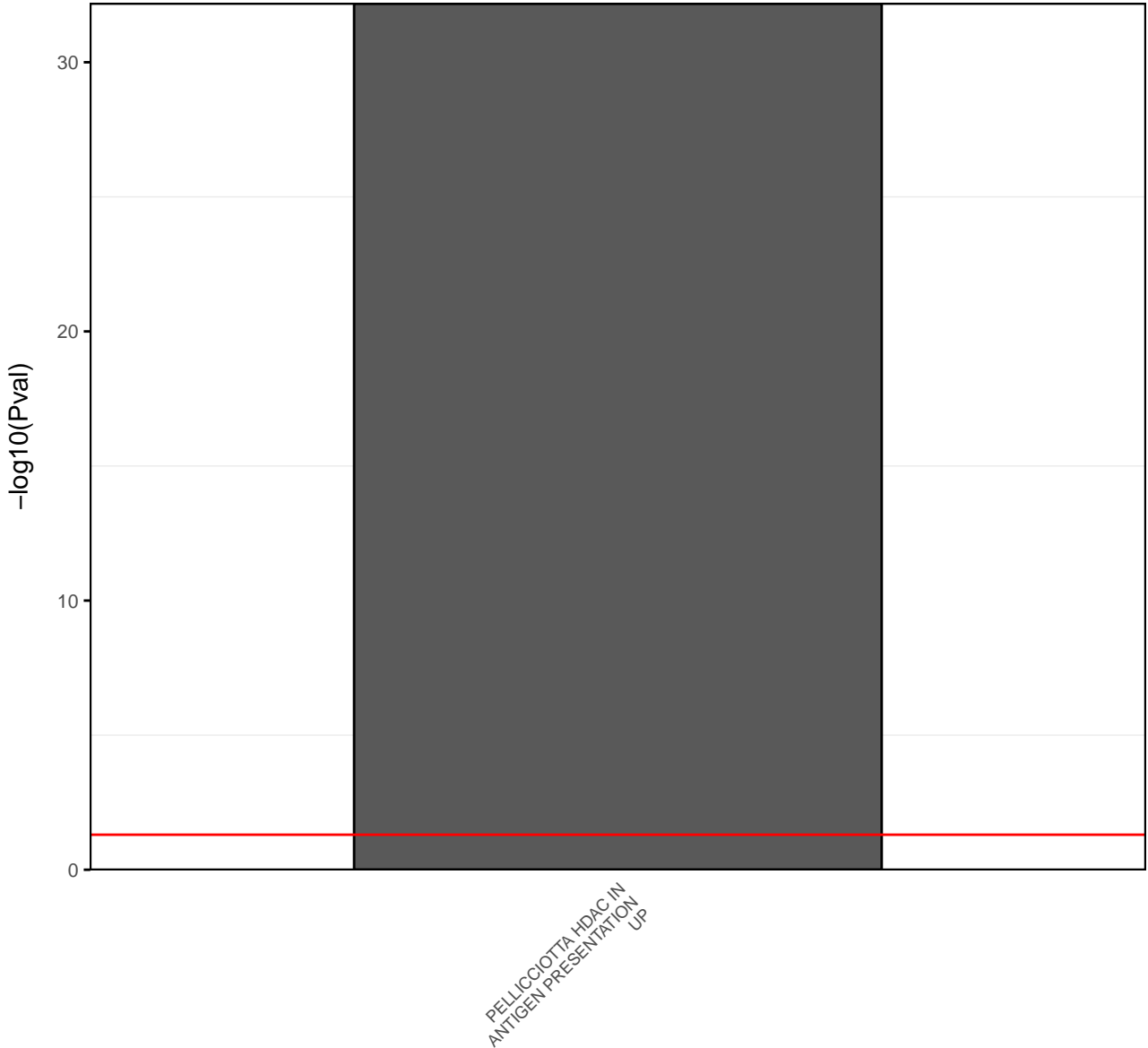
Kcnh1
9130227L01Rik
Fhod3
Cadm2
Sorcs1
Klhl1
Pdzd2
Frmpd4
Kcnn1
E2f1
Mtcl1
Ipcef1
Trbc2
Kcnh5
Tspan5
Agtpbp1
Ldlrad4
Ephx4
5930438M14Rik
Sel1l3





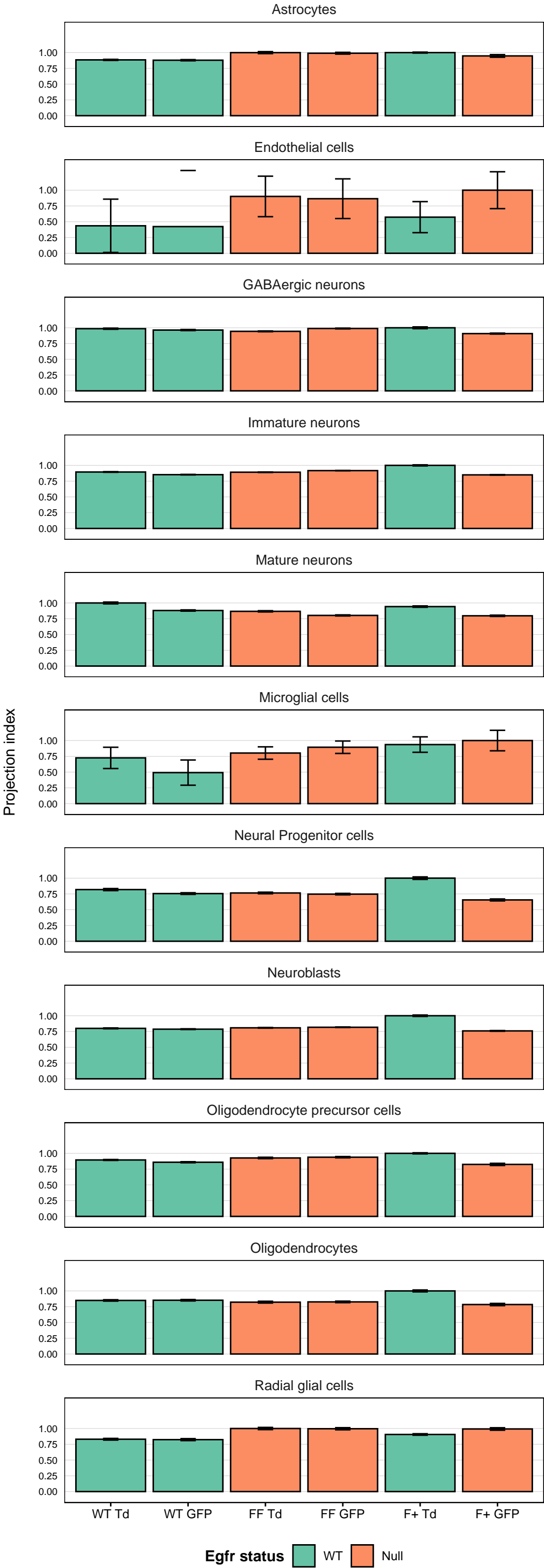
Top genes by kME

Mctp1
Cdkn2aip
1700123M08Rik
AW495222
Gm2164
Rgs11
Eps15
Eldr
Amigo2
Ccser1
Gm26658
Fam169a
Gm16638
Rnf2
Zfp692
Hectd2
Zfp617
Ubxn2b
Slc25a16
B230208B08Rik



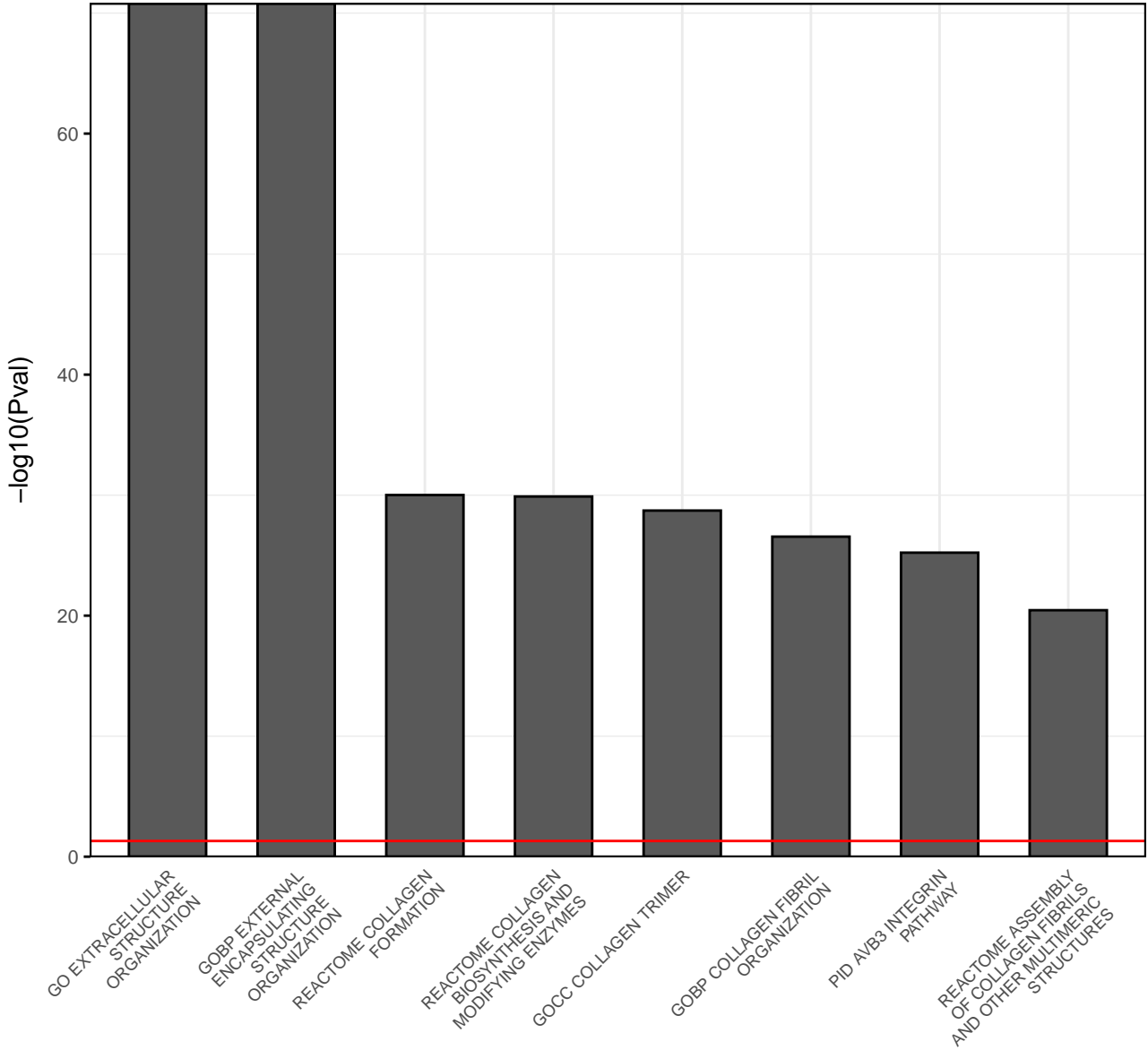
blue module
Top 100 by kME

Bicor-None_signum0.607_minSize15_merge_ME_0.85_18566

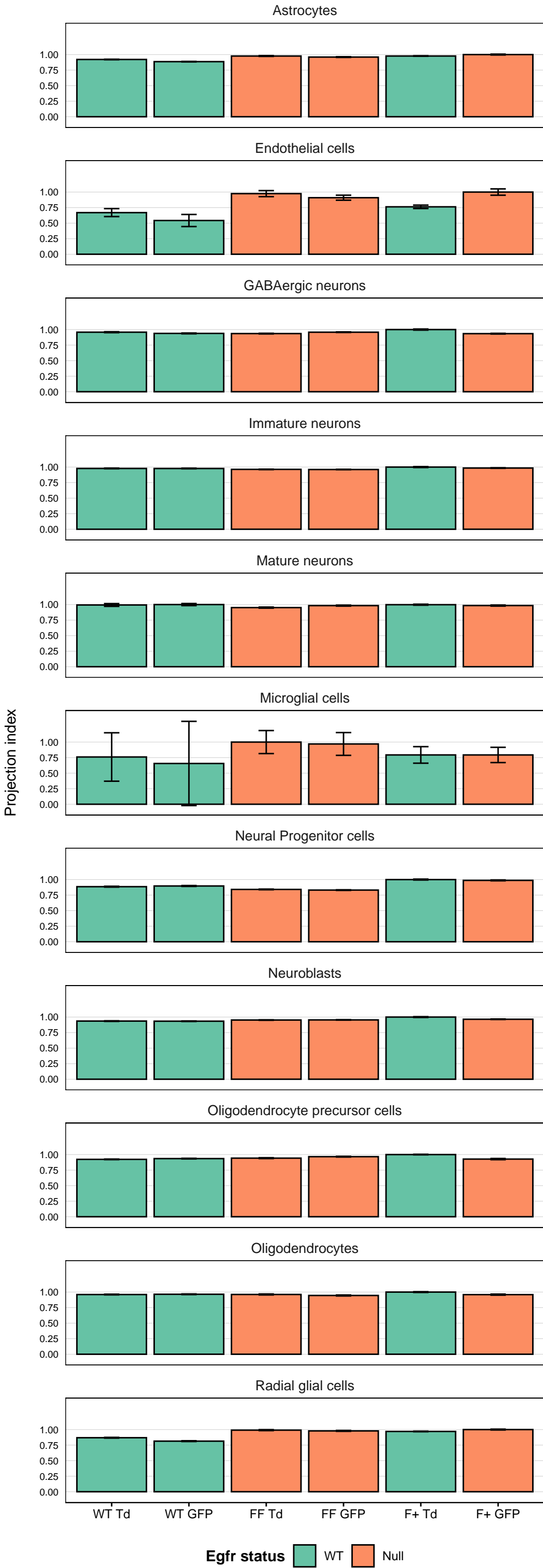


Top genes by kME

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

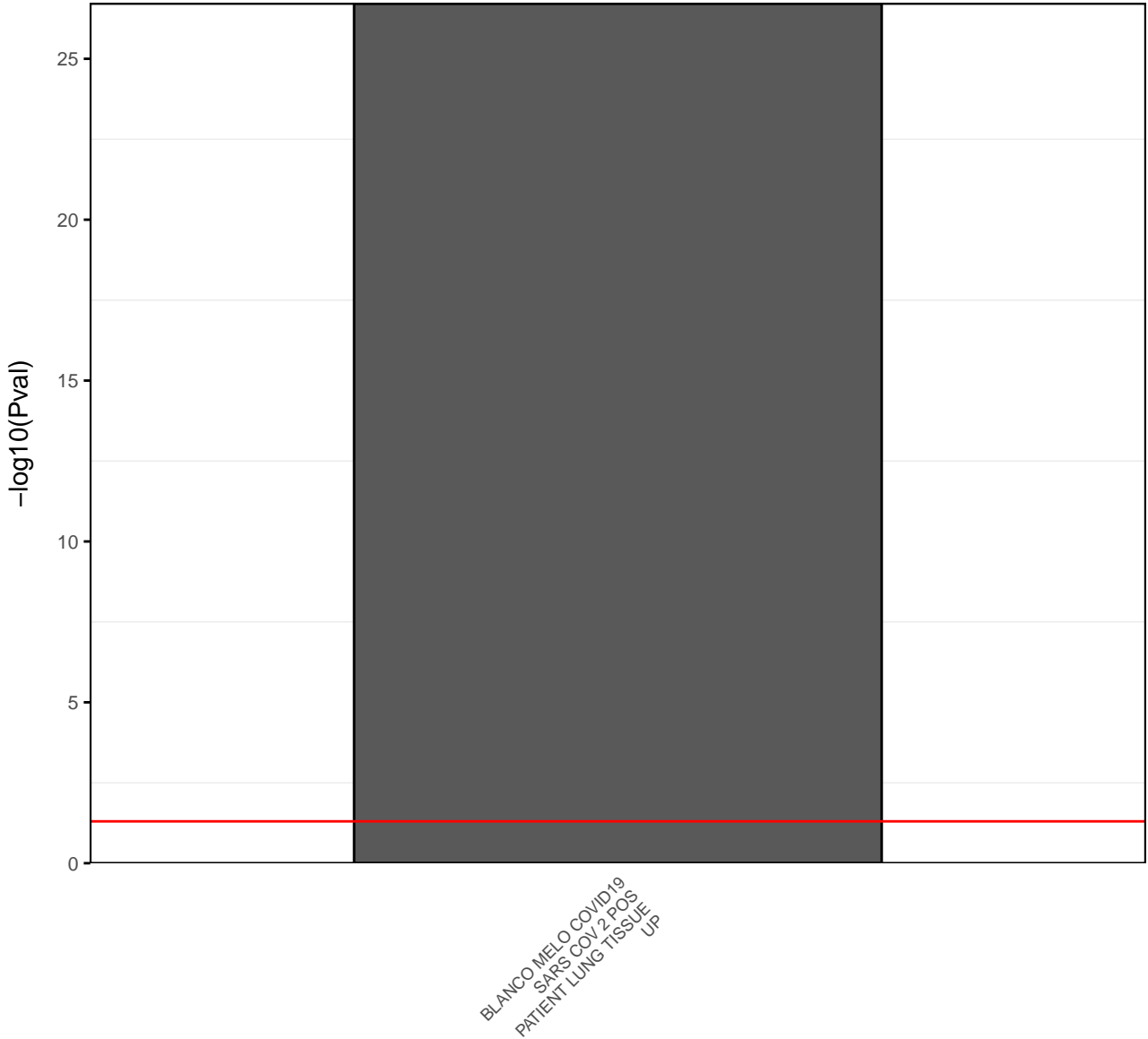


darkred module
Top 100 by kME
Bicor-None_signum0.607_minSize15_merge_ME_0.85_18566



Top genes by kME

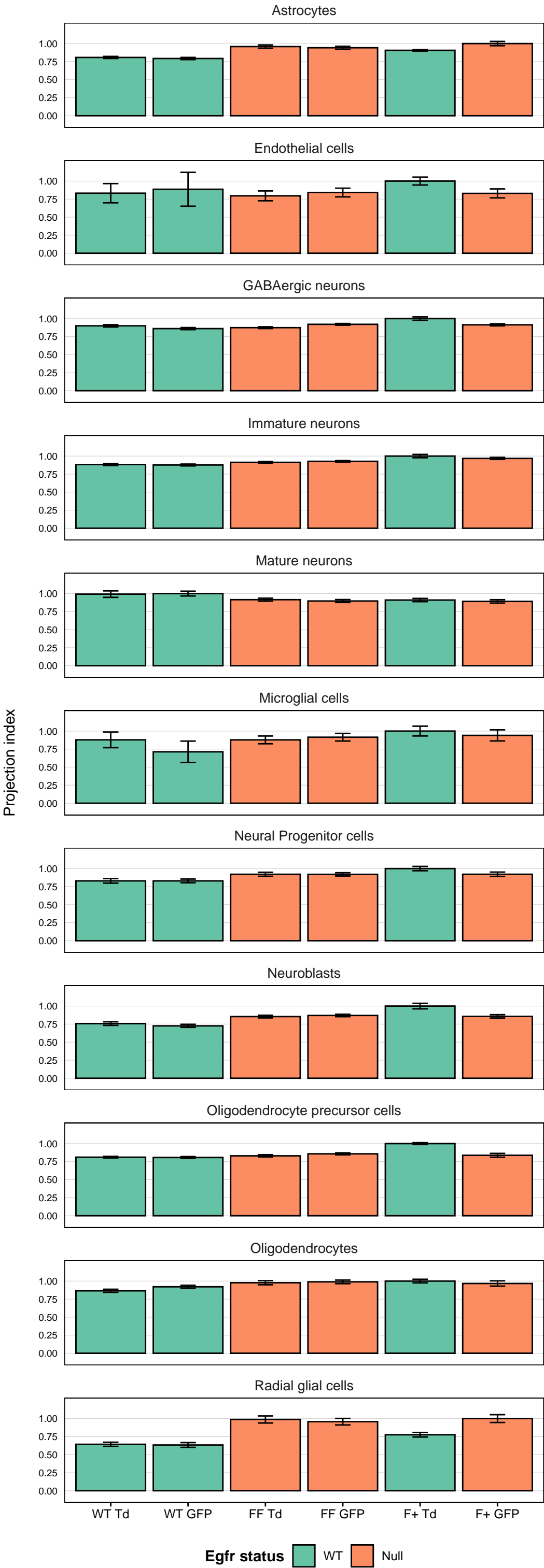
Gm12971
Gm15579
Ms4a4c
Saa3
Cfb
Zbp1
C3
Plac8
F10
Gm19299
Ifi211
Il1b
Hp
Plbd1
Nfe2
Fgr
Psmb8
Isg15
Clec4n
Atp8b4



pink module

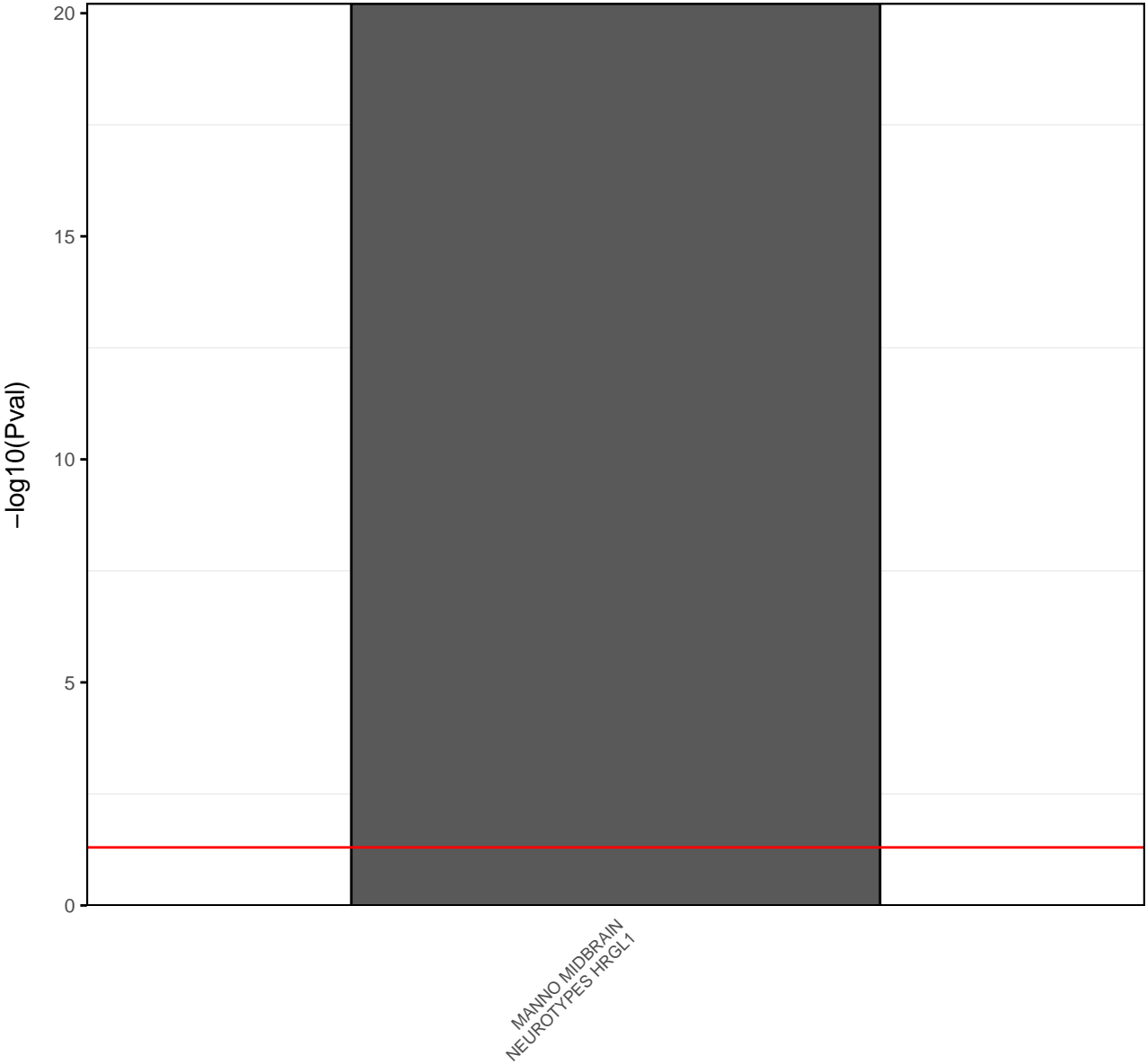
Top 100 by kME

Bicor-None_signum0.607_minSize15_merge_ME_0.85_18566

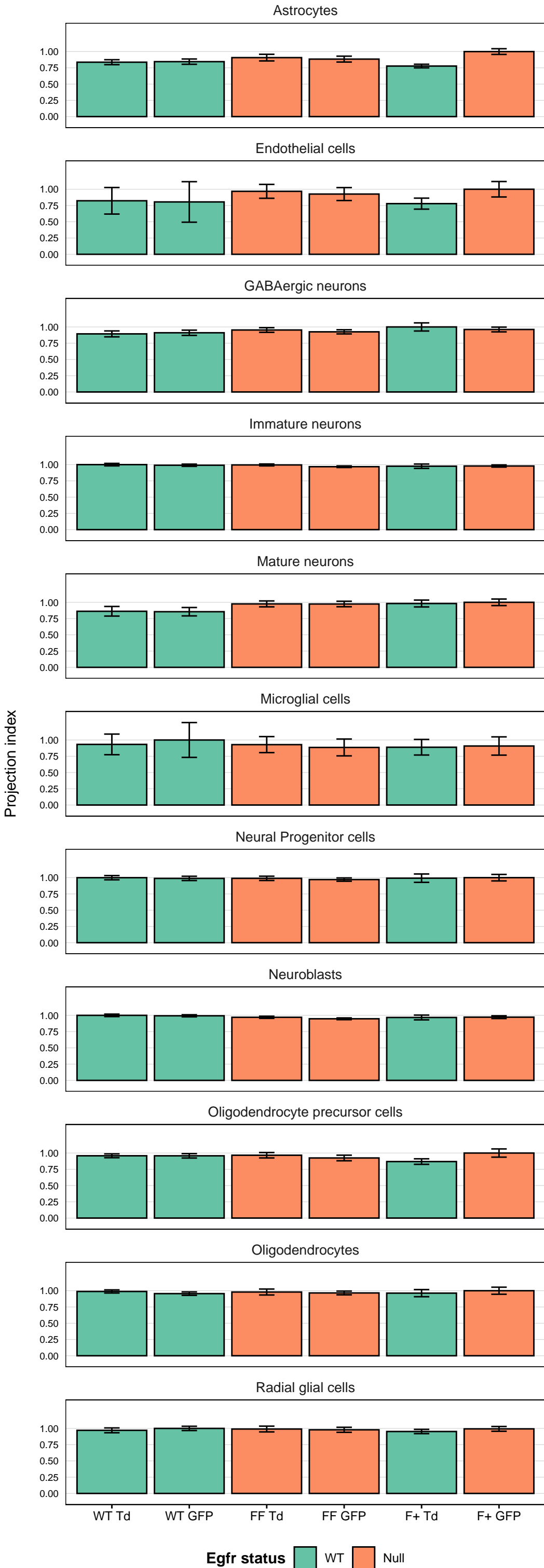


Top genes by kME

Nrp1
Fgfr1
Rerg
Rnf182
Islr2
Dcc
Hopx
Gdf10
Il16
Rwdd3
Hunk
Ecr4
Zfp608
Sh3rf1
Dnah9
Nr4a3
Lhx9
Dnah1
Emx2os
Mirt1

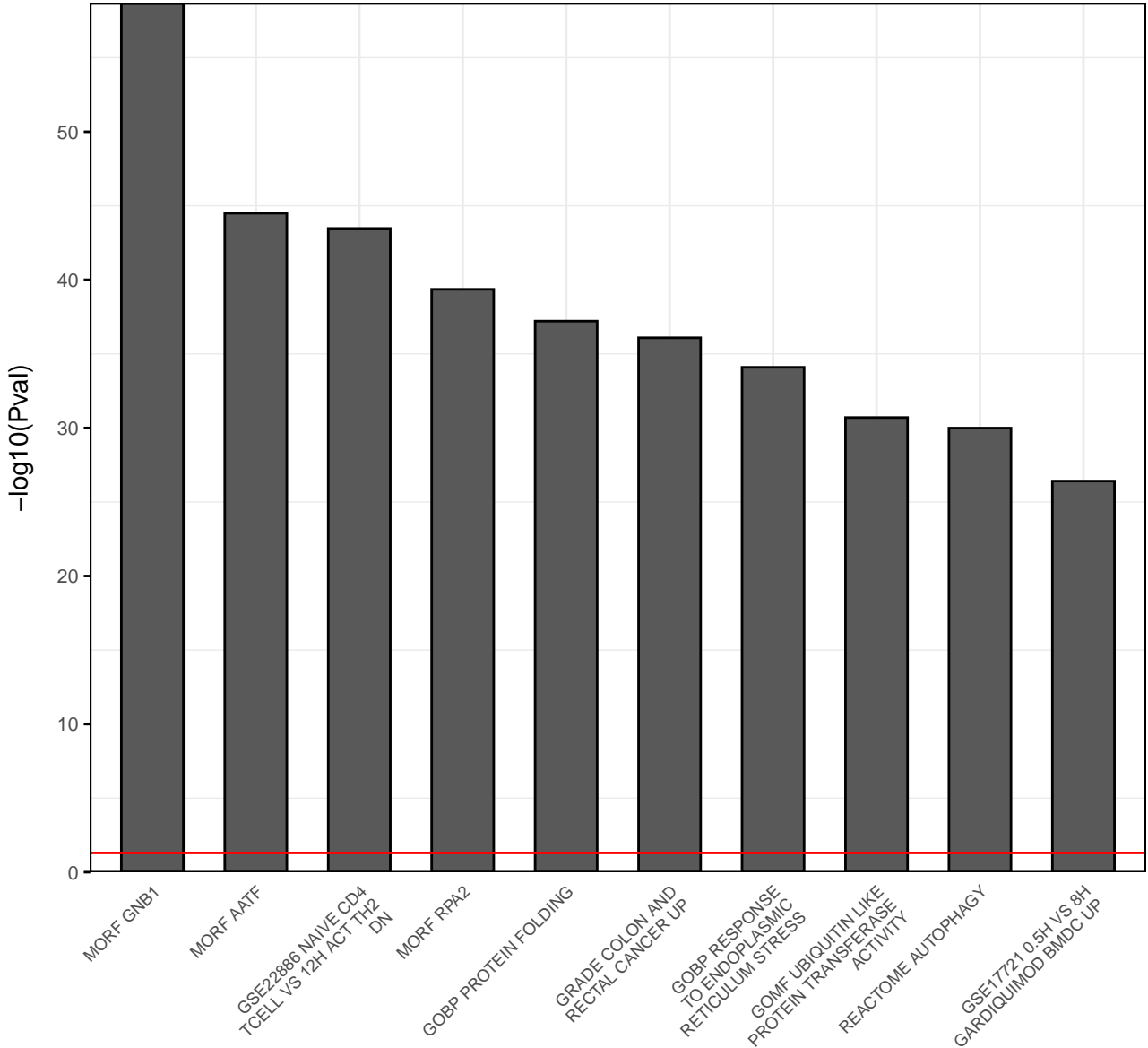


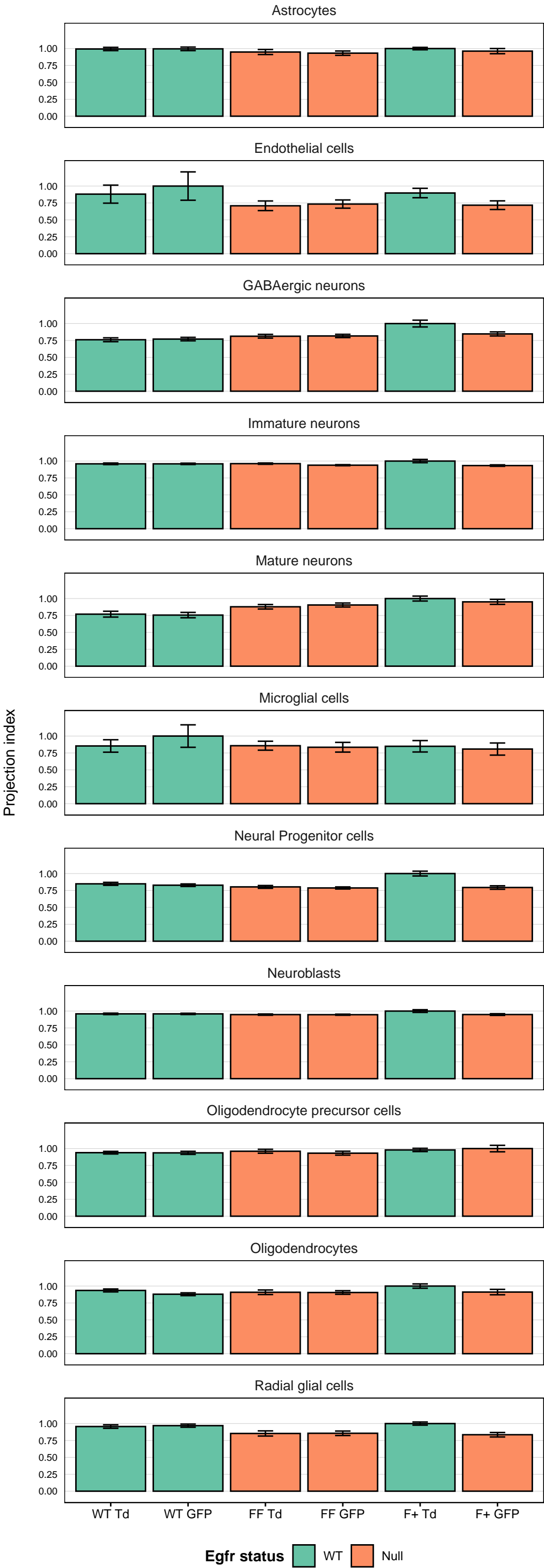
turquoise module
Top 100 by kME
Bicor-None_signum0.607_minSize15_merge_ME_0.85_18566



Top genes by kME

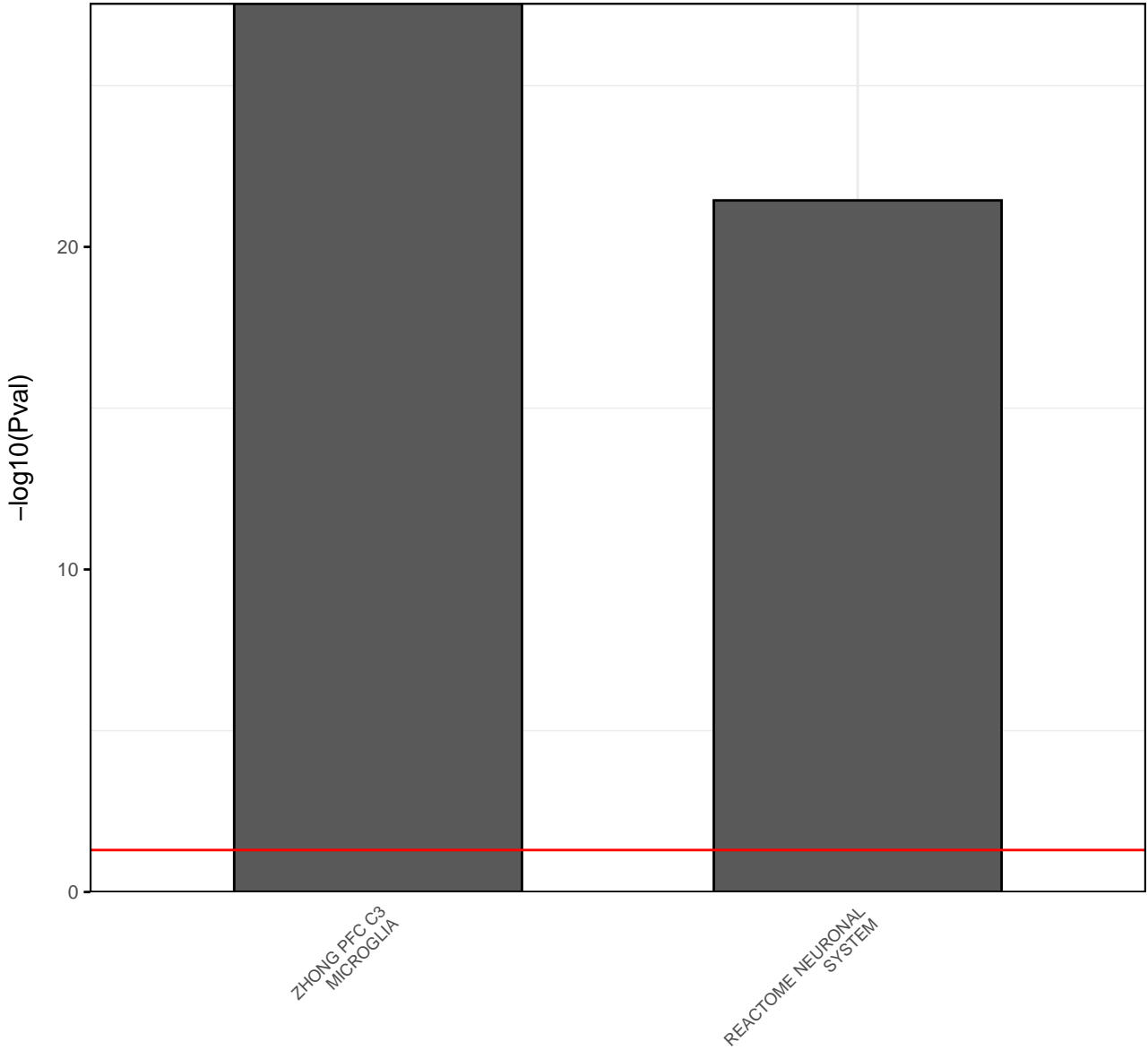
Gm36551
Gm47648
Gm45645
Olfr107
1700060C20Rik
Gm36602
Gm16169
Gm29455
Trim12a
Rbm15
4930474N09Rik
Gm28198
Fshr
Cst12
Gypa
Gm10961
Gm15777
Aanat
Gm49208
Heatr4





Top genes by kME

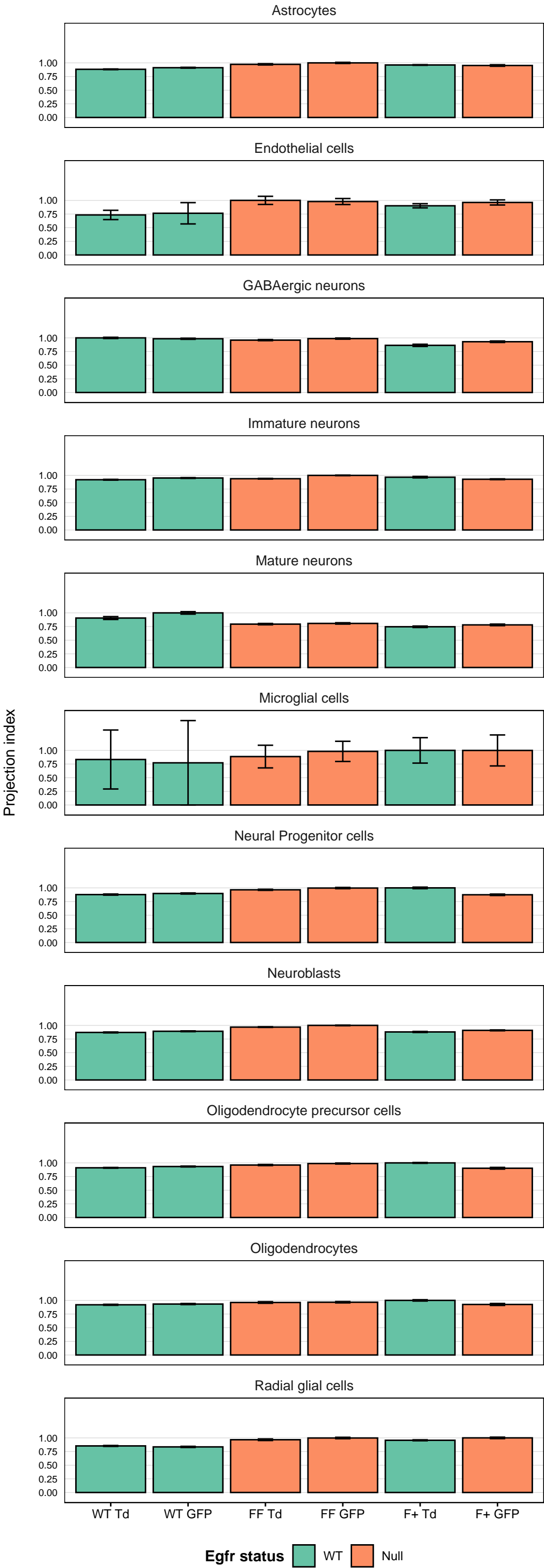
Abcb9
Paqr7
Foxk2
Dhx29
Ado
Eno2
Impdh1
Reep2
Acsl6
9330102E08Rik
Adamtsl2
Trmt61a
Coro7
Scarb1
Rnd1
Dnlz
Tecpr1
Fam43b
Rab31
Kcna6



tan module

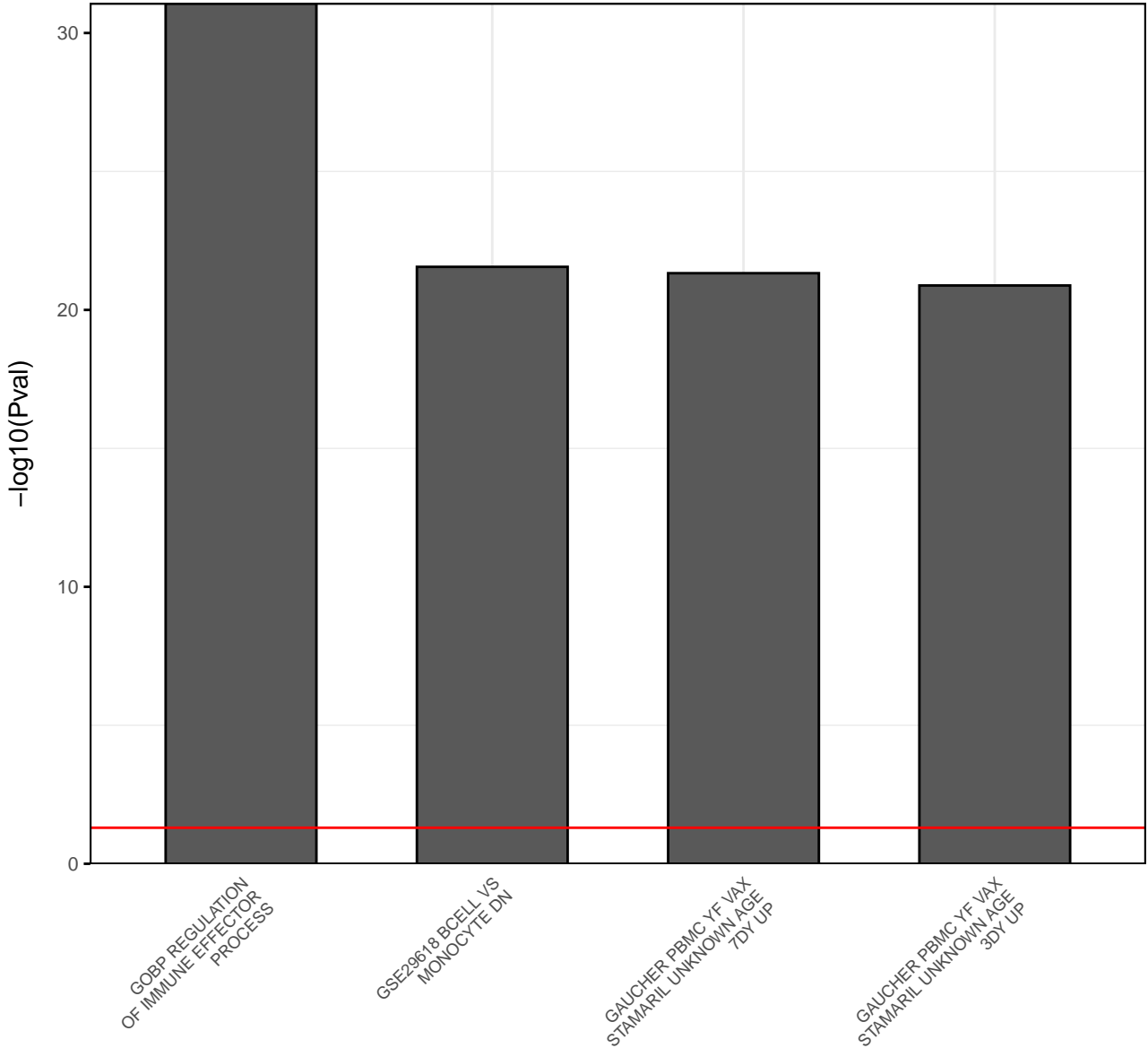
Top 100 by kME

Bicor-None_signum0.607_minSize20_merge_ME_0.85_18566

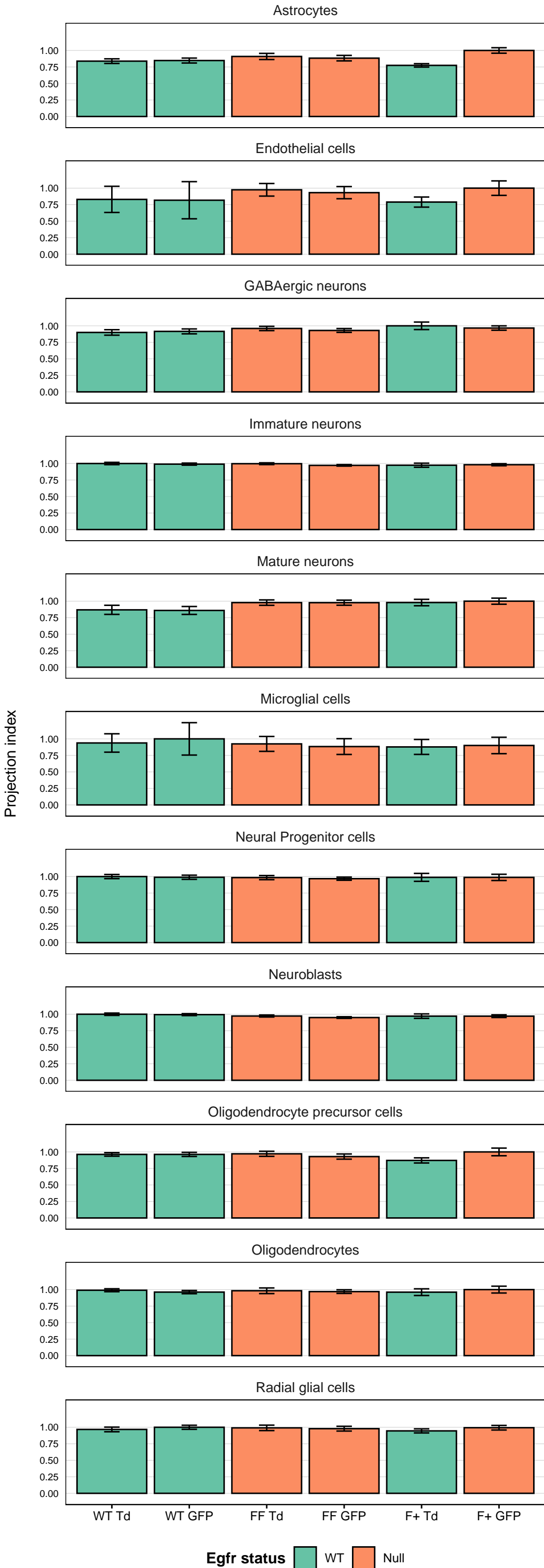


Top genes by kME

Ncf1
Il10ra
Arhgap45
Nckap1l
Unc93b1
Dock2
Cyth4
Rab32
C1qb
Cx3cr1
Gsdmd
Fyb
Rassf4
Cplane1
P2ry6
Ms4a6b
Tnfaip8l2
C1qc
Naip2
Adgre1

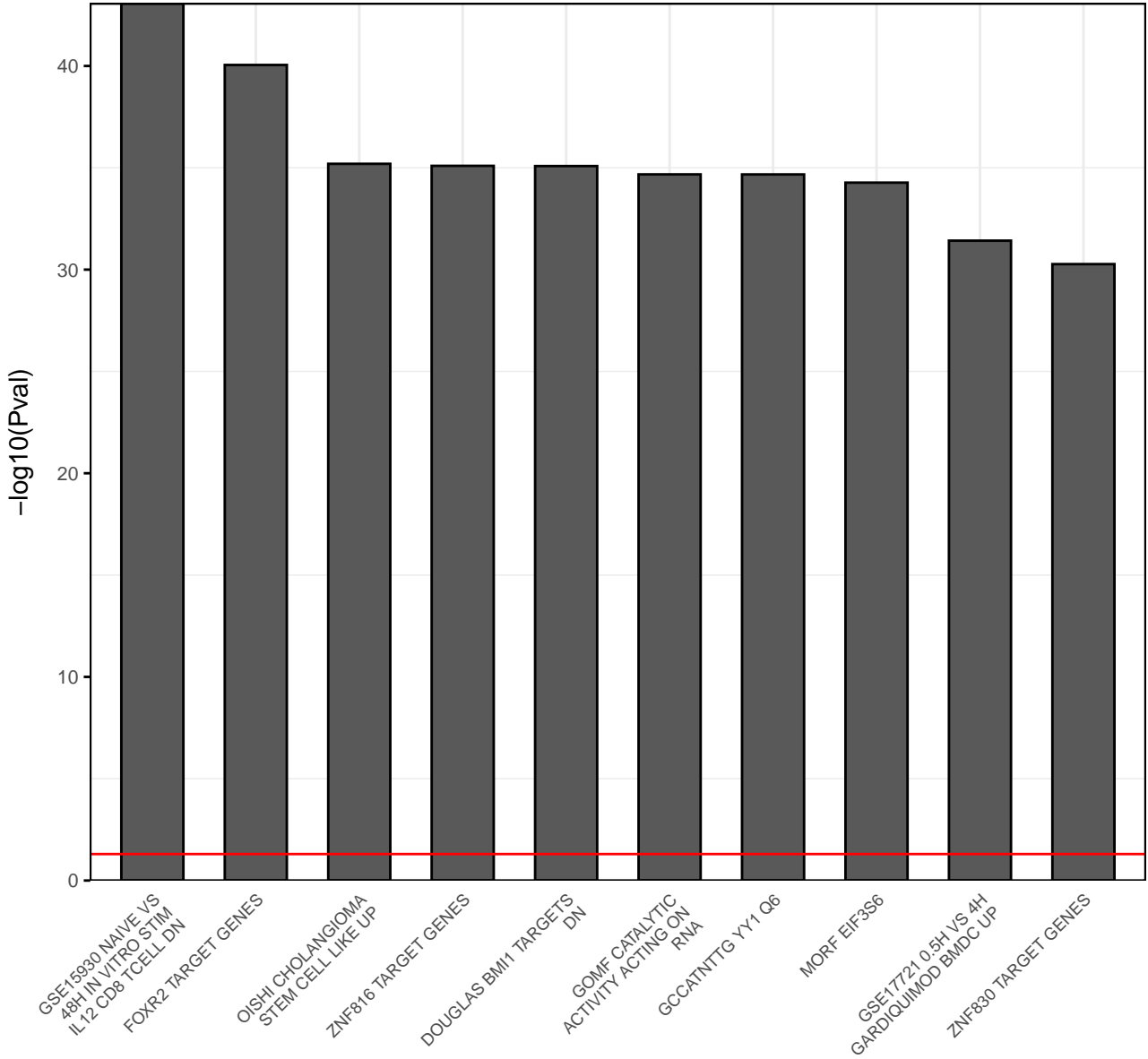


turquoise module
Top 100 by kME
Bicor-None_signum0.607_minSize20_merge_ME_0.85_18566



Top genes by kME

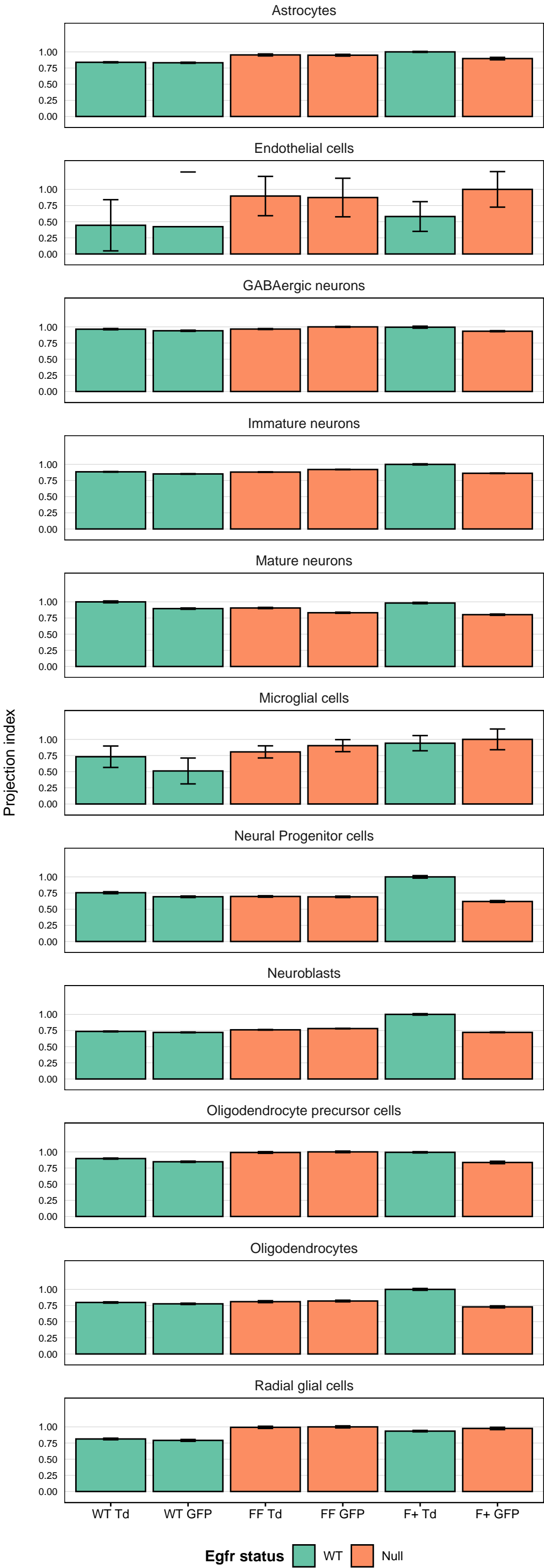
Lpl
Cetn3
Gm20755
Nme9
Nop56
Akap14
Sars
Gm35315
Spink8
Msra
Ptma
Sumo1
Nifk
Gm29069
Mrpl39
Snrnp27
Wdr49
Shisa6
Eif3h
Med8



yellow module

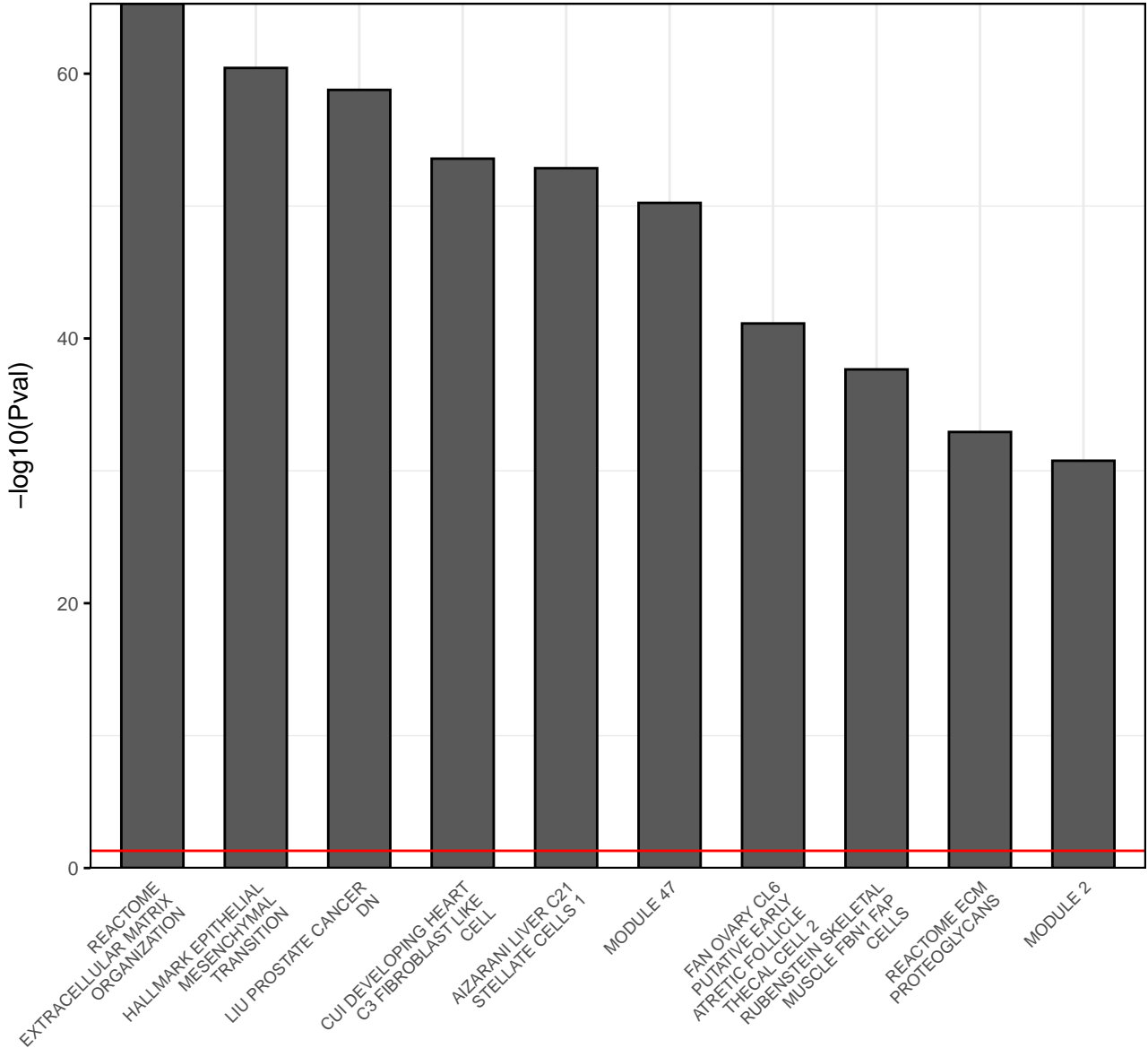
Top 100 by kME

Bicor=None_signum0.607_minSize20_merge_ME_0.85_18566



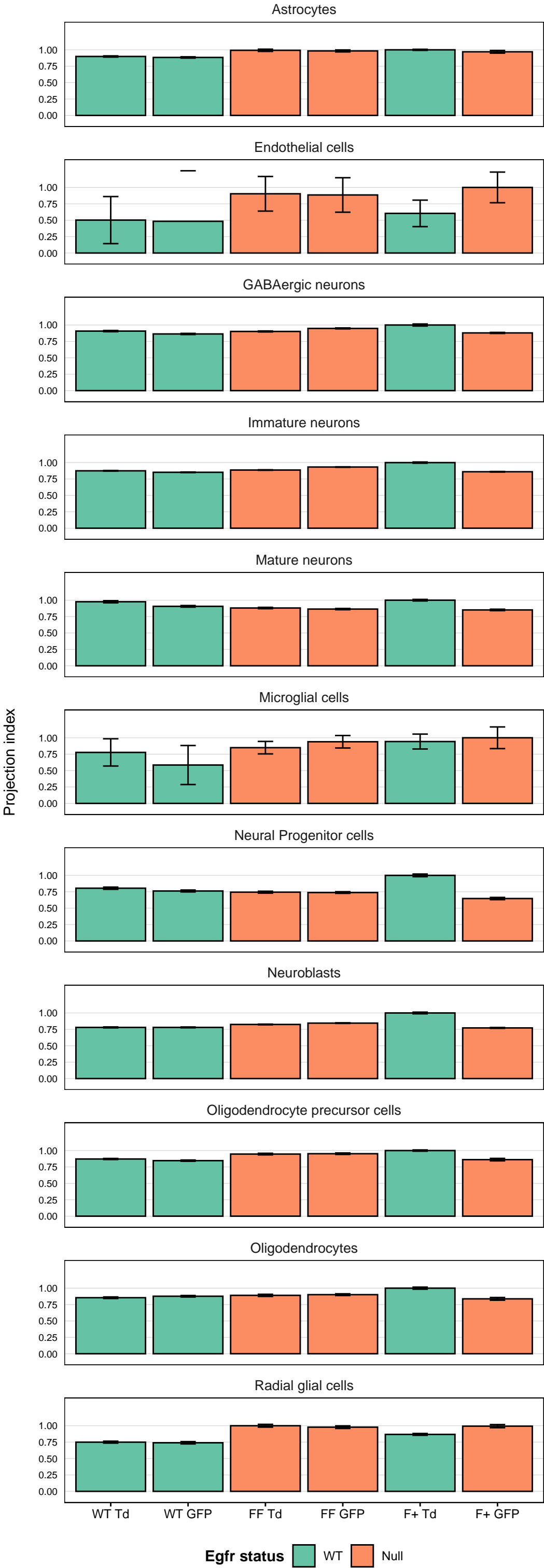
Top genes by kME

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



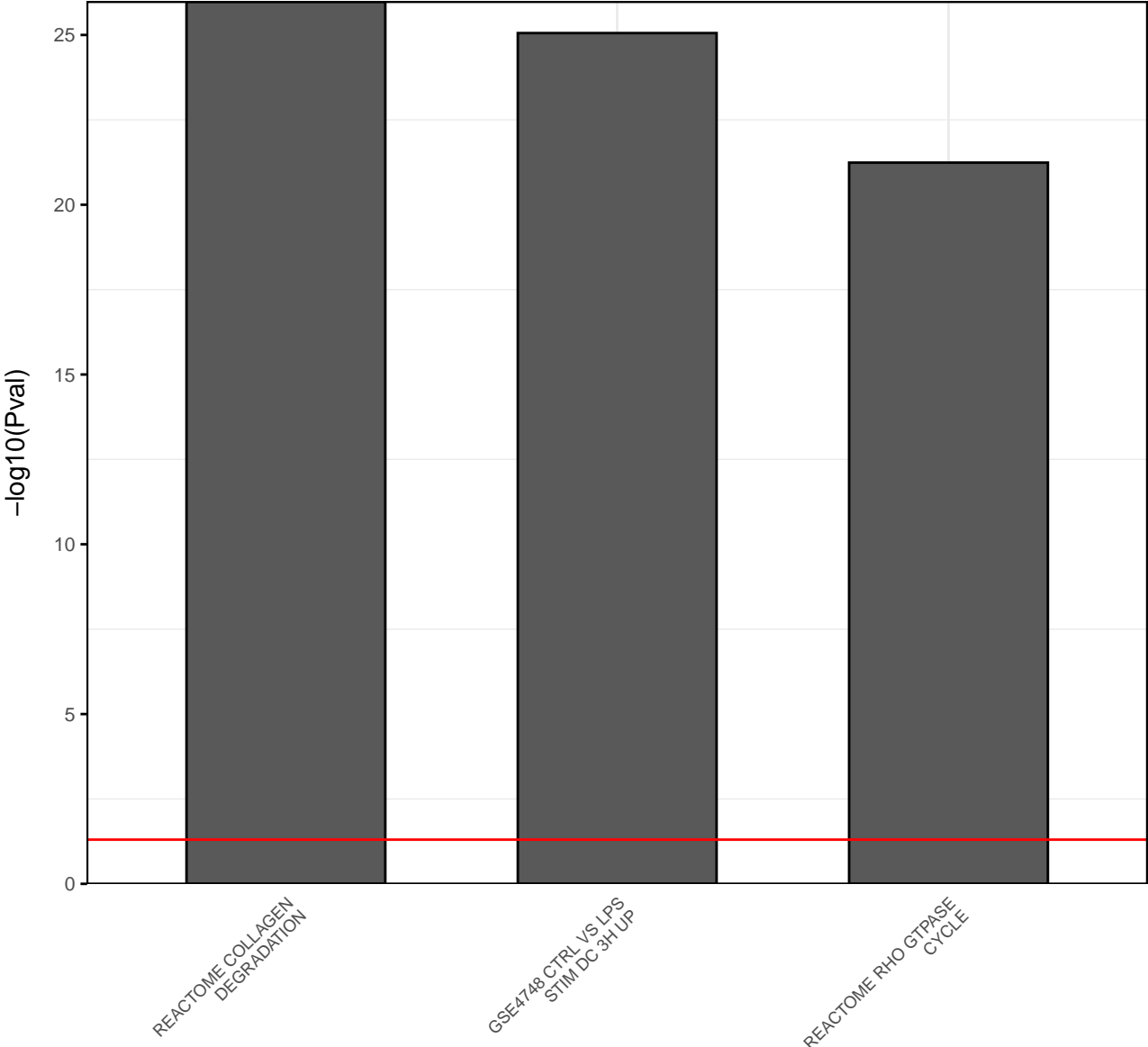
blue module
Top 100 by kME

Bicor=None_sigum0.69_minSize10_merge_ME_0.85_18566

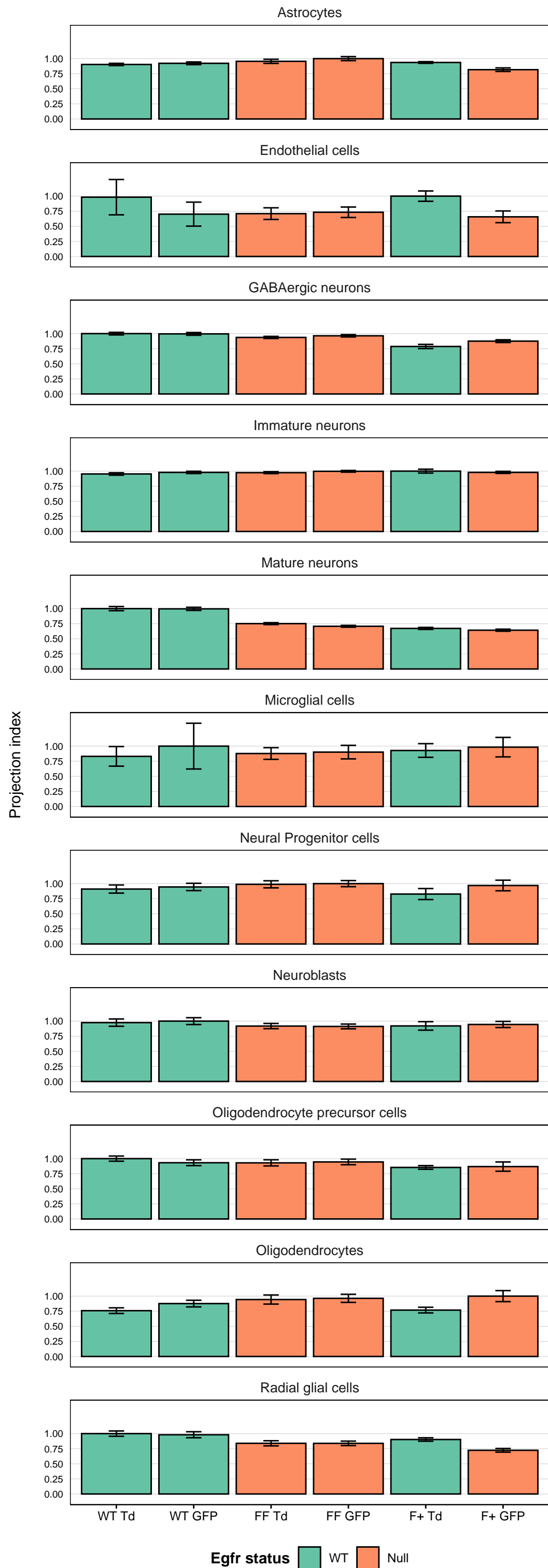


Top genes by kME

- Spock1
- Runx2
- Dst
- Thrb
- Sh3gl2
- Dgkh
- Plcb4
- Tle3
- Ptpkr
- Gm42902
- Plcb1
- Kcnh7
- Far2
- Tbr1
- Kif21b
- Mypn
- Necab1
- Aspdh
- Kihl29
- Myt1l

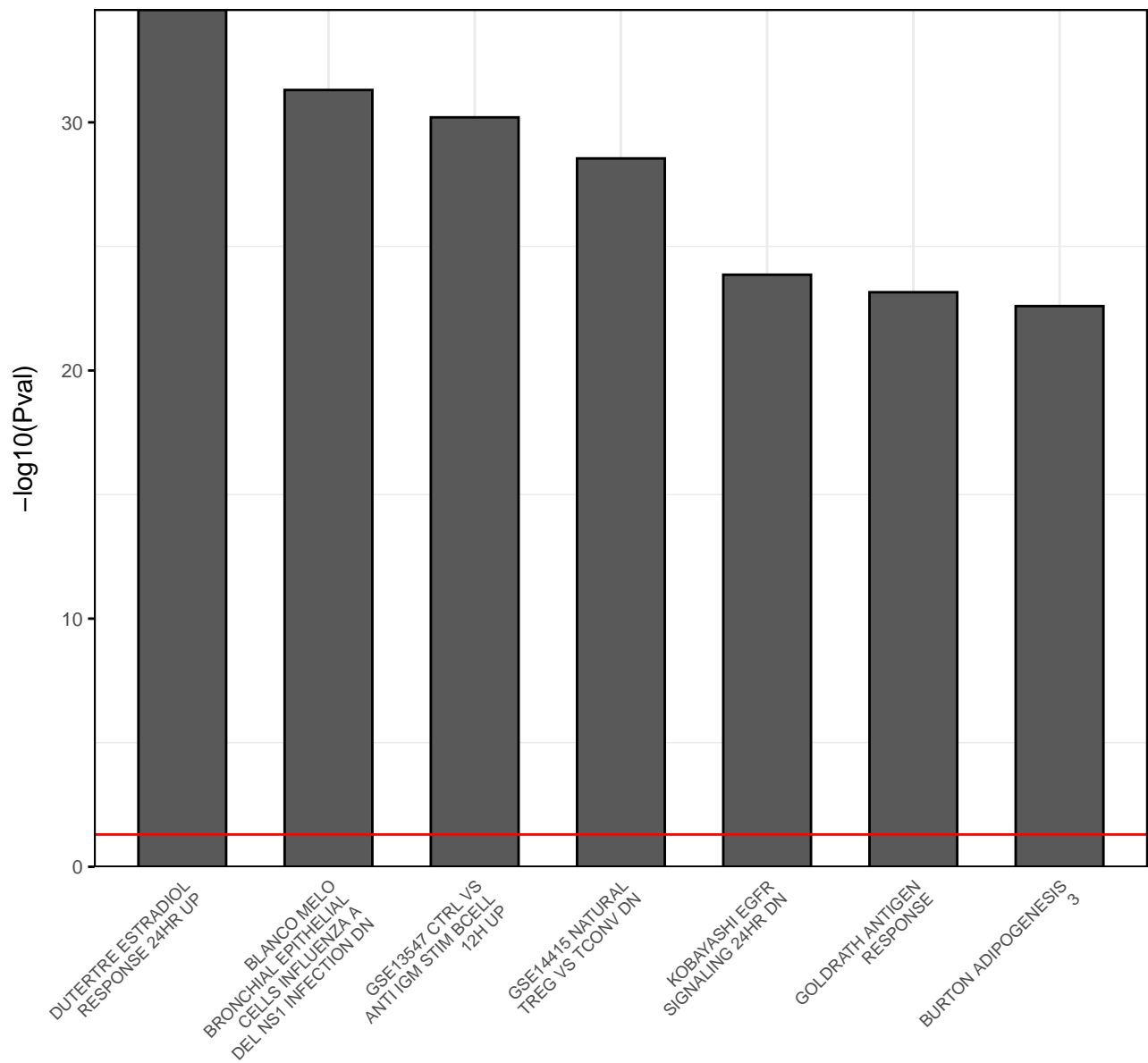


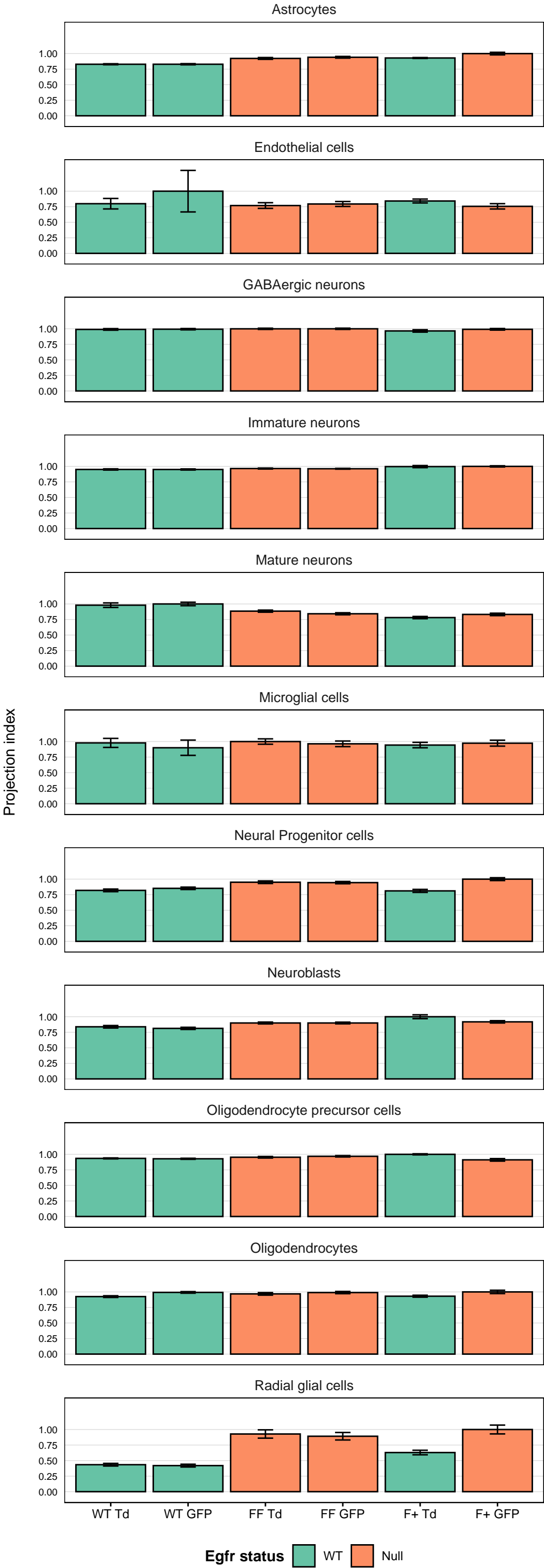
darkorange module
Top 100 by kME
Bicor-None_signum0.69_minSize10_merge_ME_0.85_18566



Top genes by kME

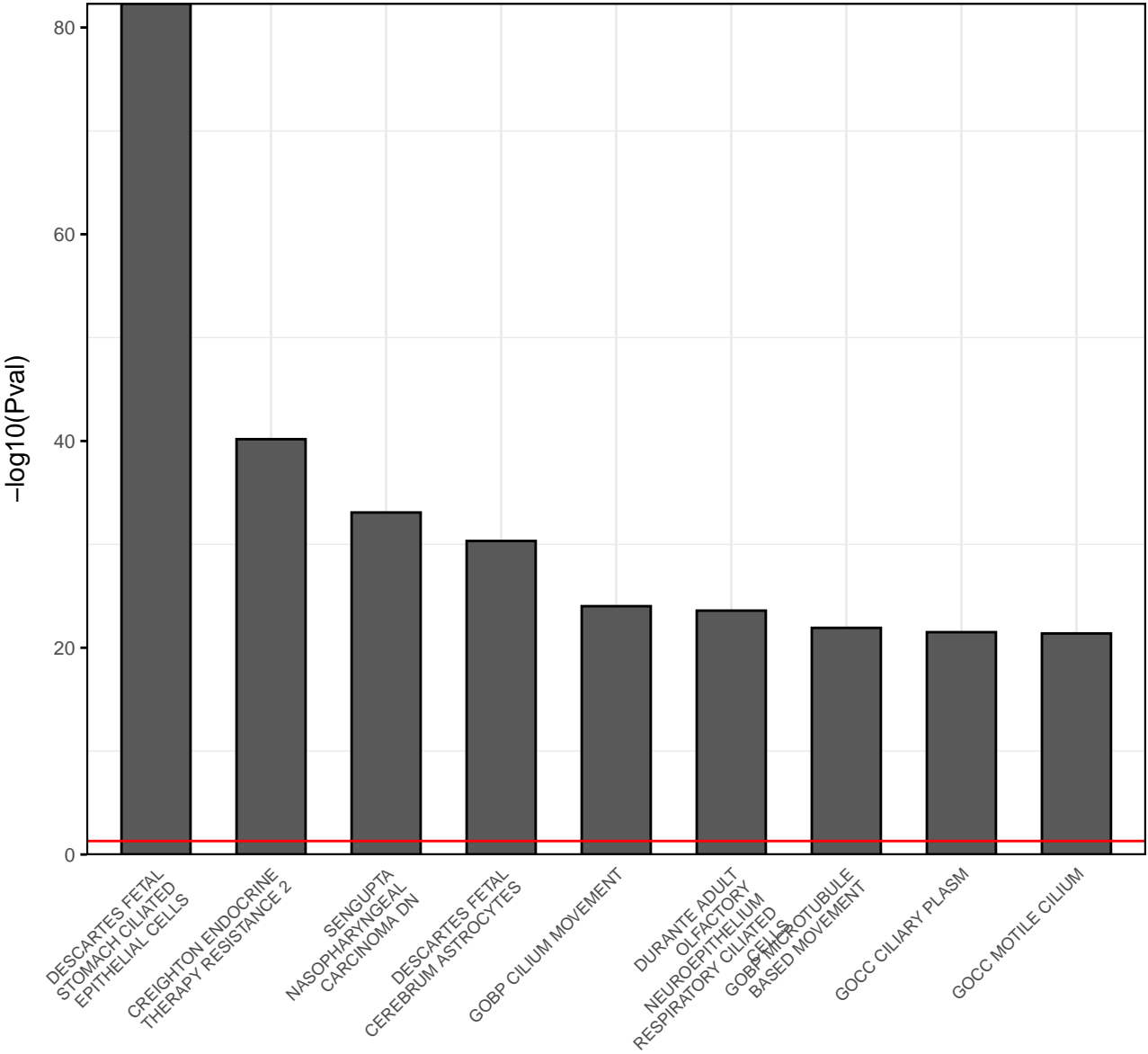
Ncapg2
Gadd45a
D430020J02Rik
Tyms
Tacc3
Tes3-ps
Neil3
Rbl1
Ncapd2
Usp45
Nmi
Ttk
Ncaph
Cdca2
Aurka
Csde1
Cdk1
Ska3
Usp37
Haus6



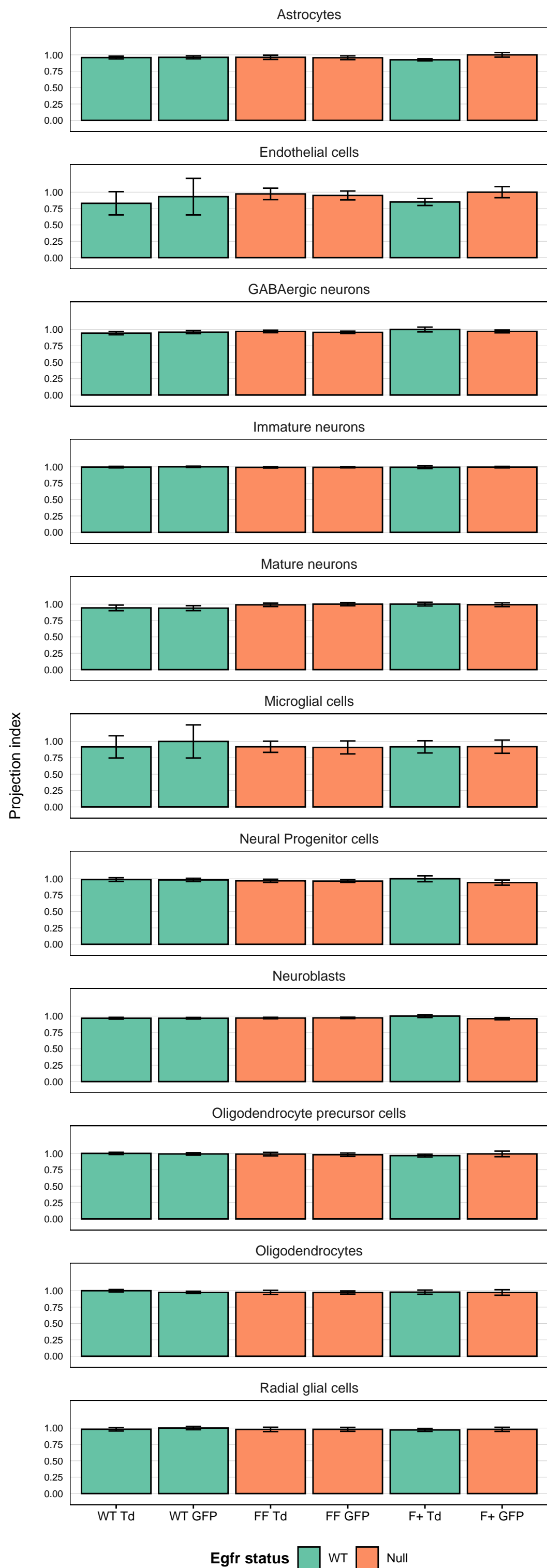


Top genes by kME

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

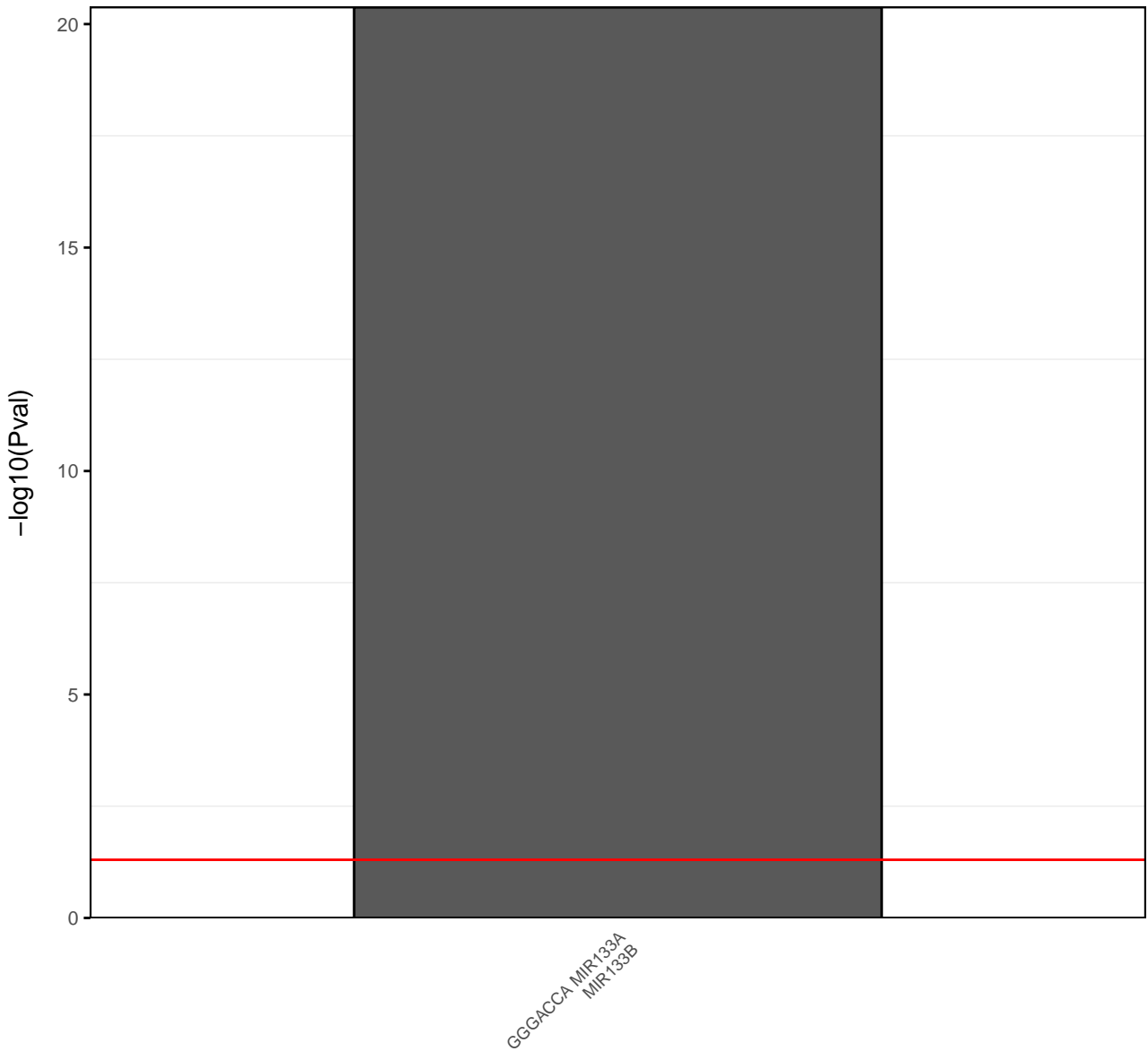


magenta module
Top 100 by kME
Bicor-None_sigum0.69_minSize10_merge_ME_0.85_18566

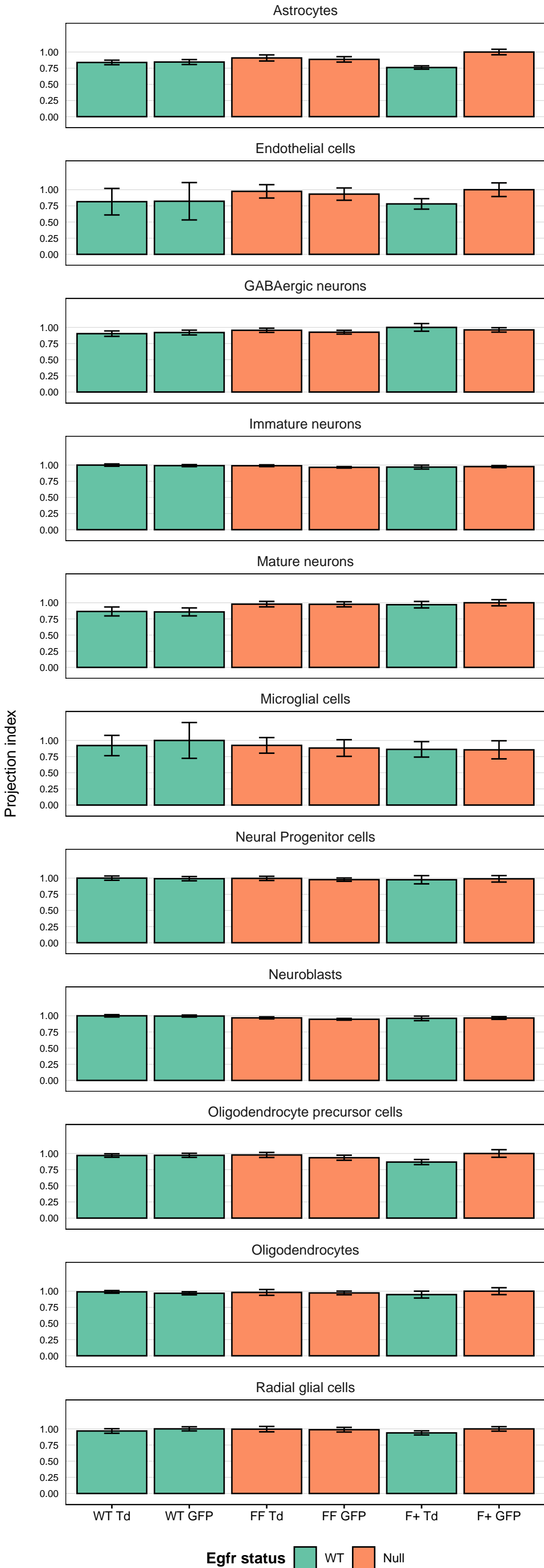


Top genes by kME

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

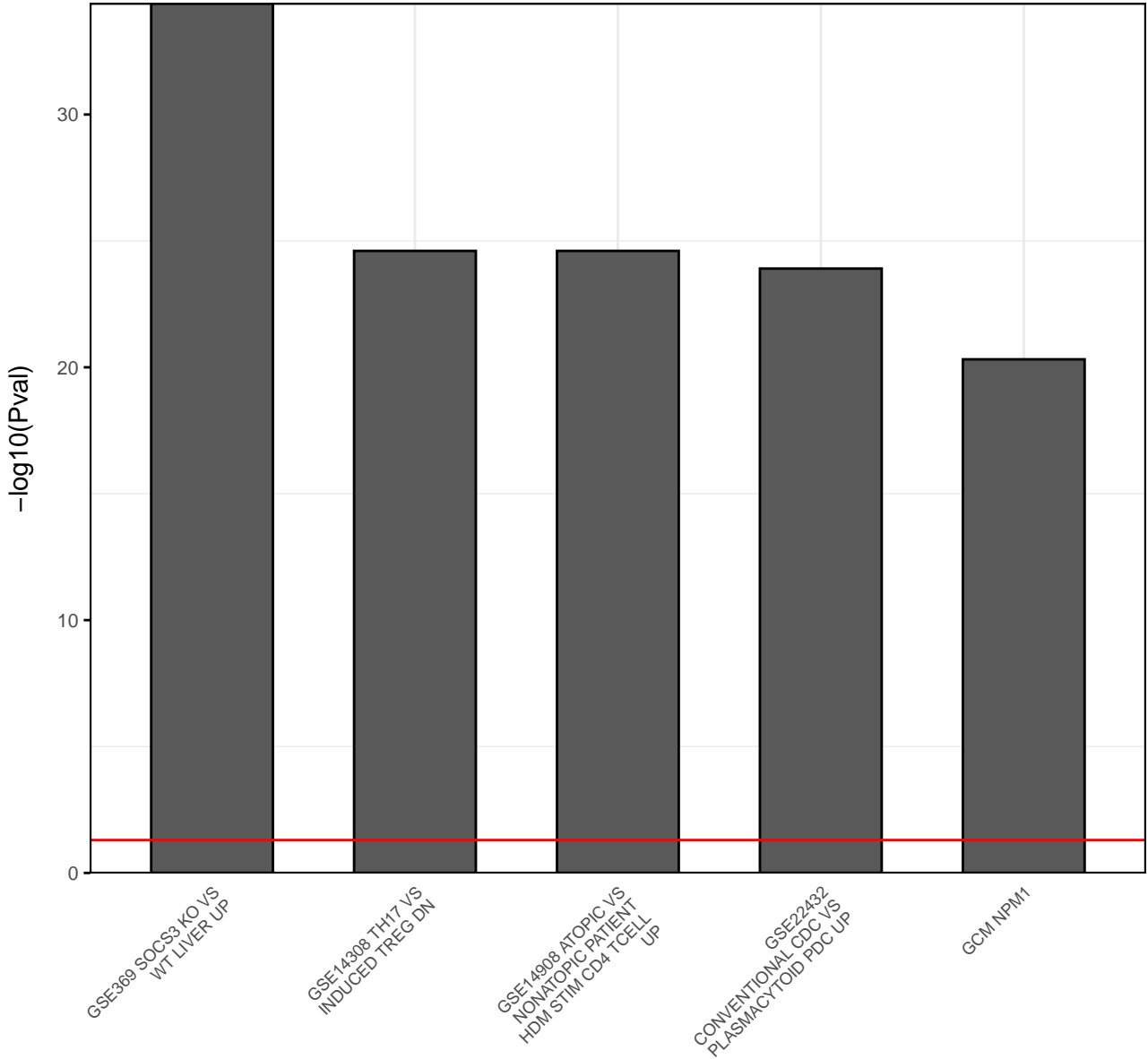


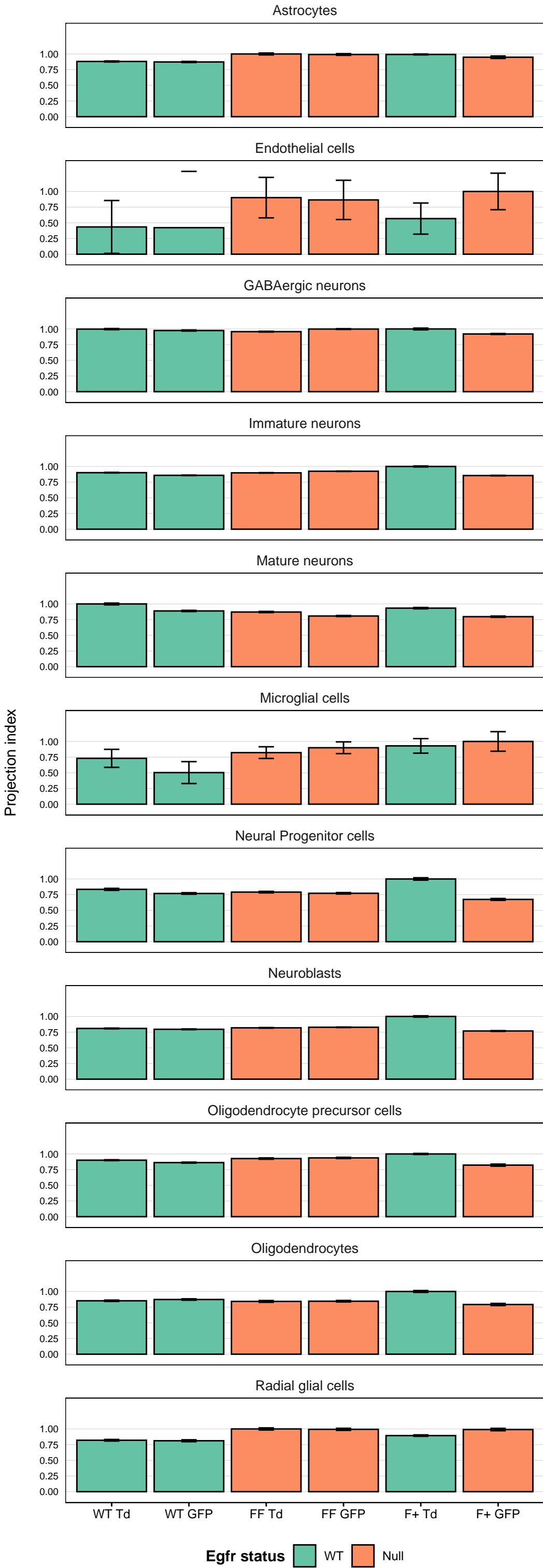
turquoise module
Top 100 by kME
Bicor-None_signum0.69_minSize10_merge_ME_0.85_18566



Top genes by kME

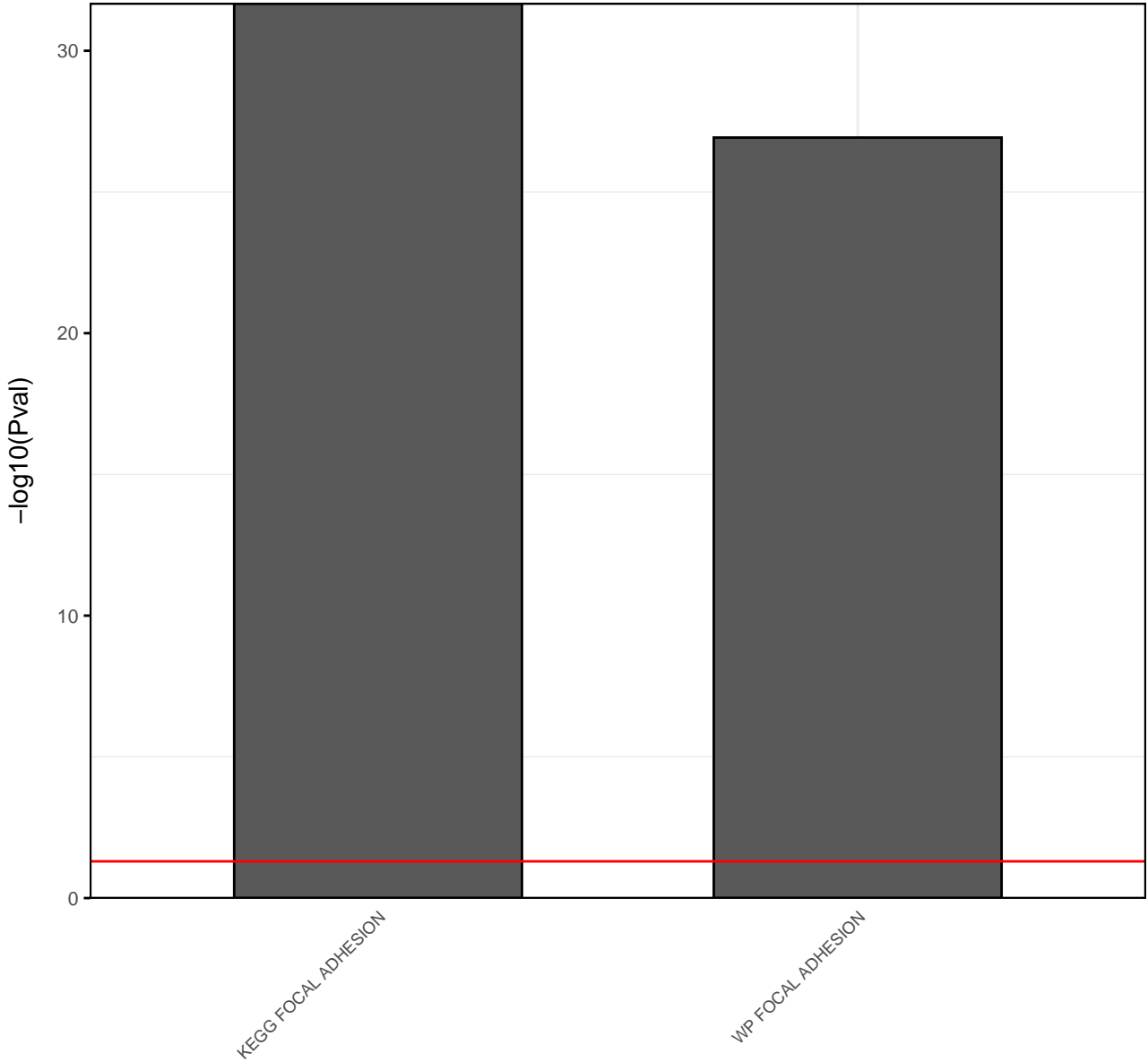
Cadm2
Kcnh1
Agtpbp1
Fhod3
Sorcs1
Pdzd2
Tspan5
Ldlrad4
Plcxd2
Klhl1
Mtcl1
Pik3r1
Frmpd4
Ephx4
9130227L01Rik
Kcnh5
Kcnn1
Rgs6
Ipcef1
Akap7



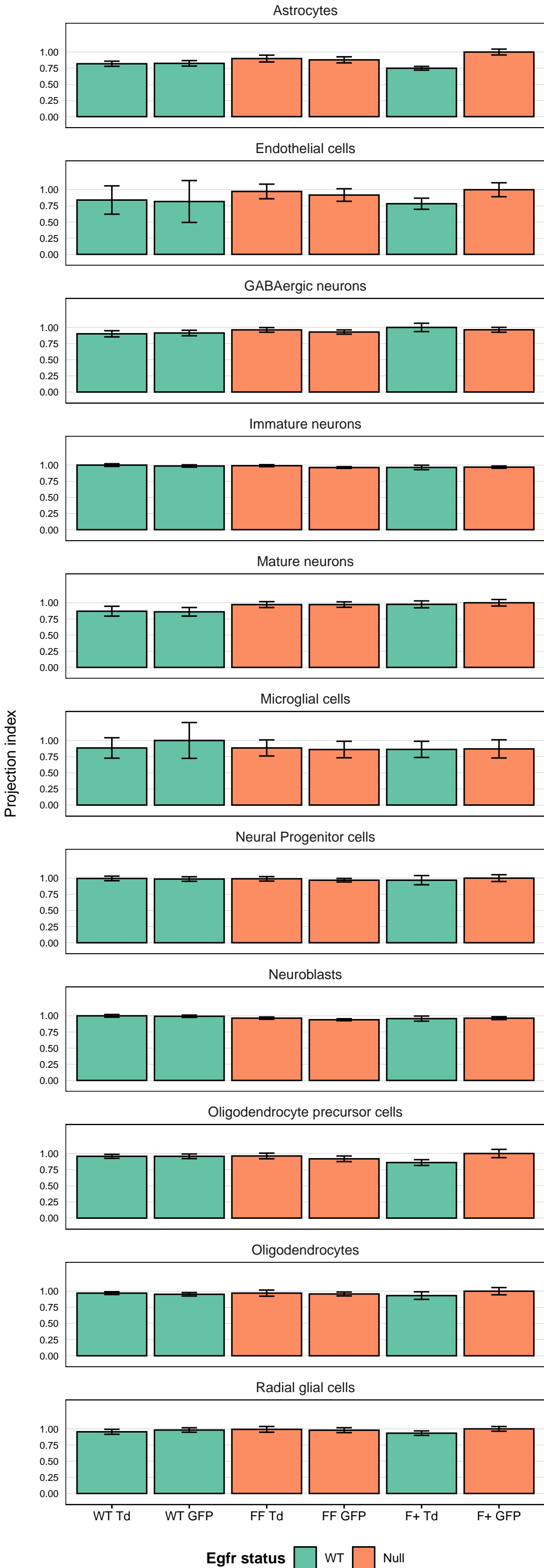


Top genes by kME

- Olfml2a
- Slc16a12
- Fam43a
- Cavin1
- Col6a1
- Tfpi
- Agtrap
- Bmp7
- Slc22a6
- Fcgrt
- Slc7a11
- Colec12
- Mxra8
- Dcn
- Kirrel
- Cxcl12
- Shc1
- Kank2
- Wnk4
- Trim21

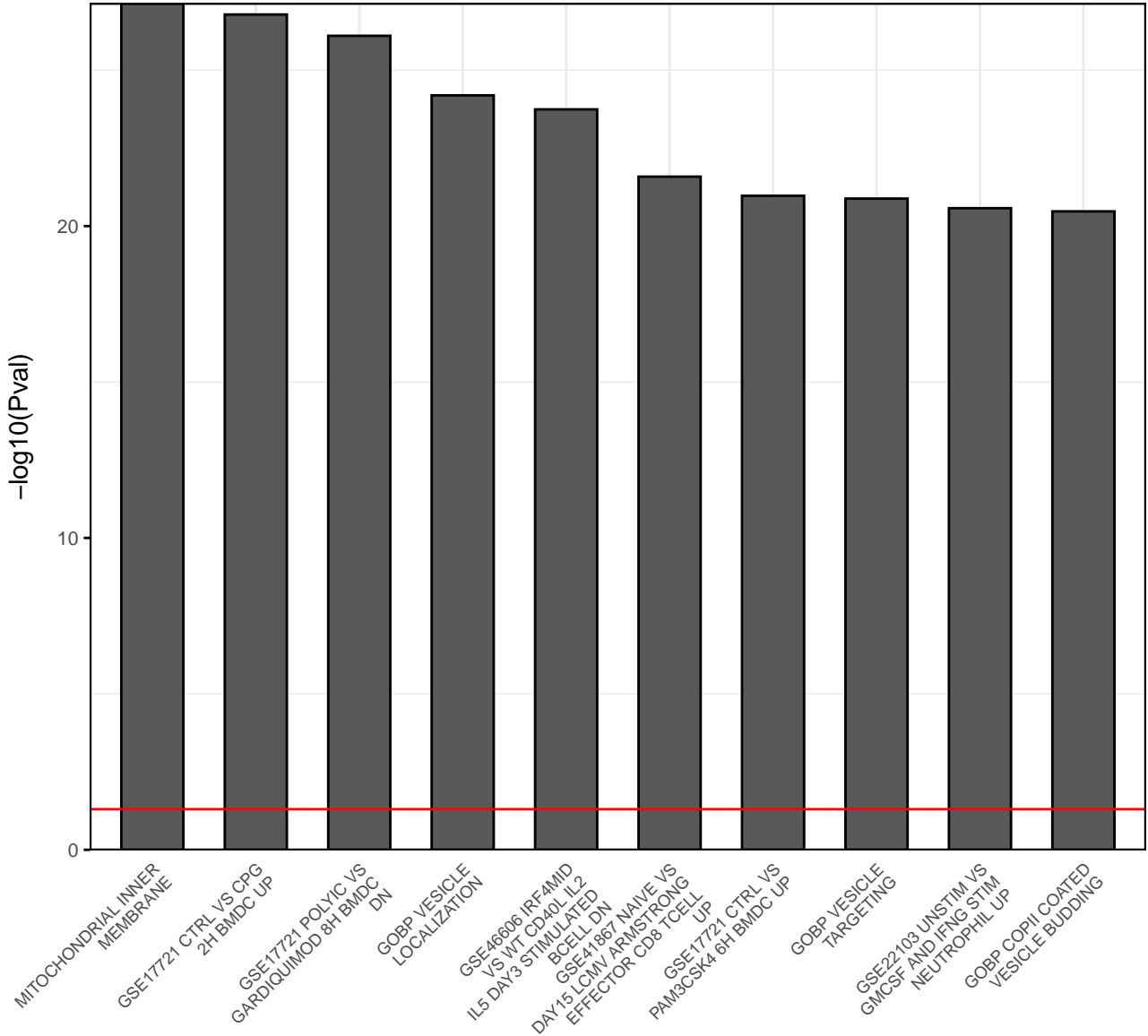


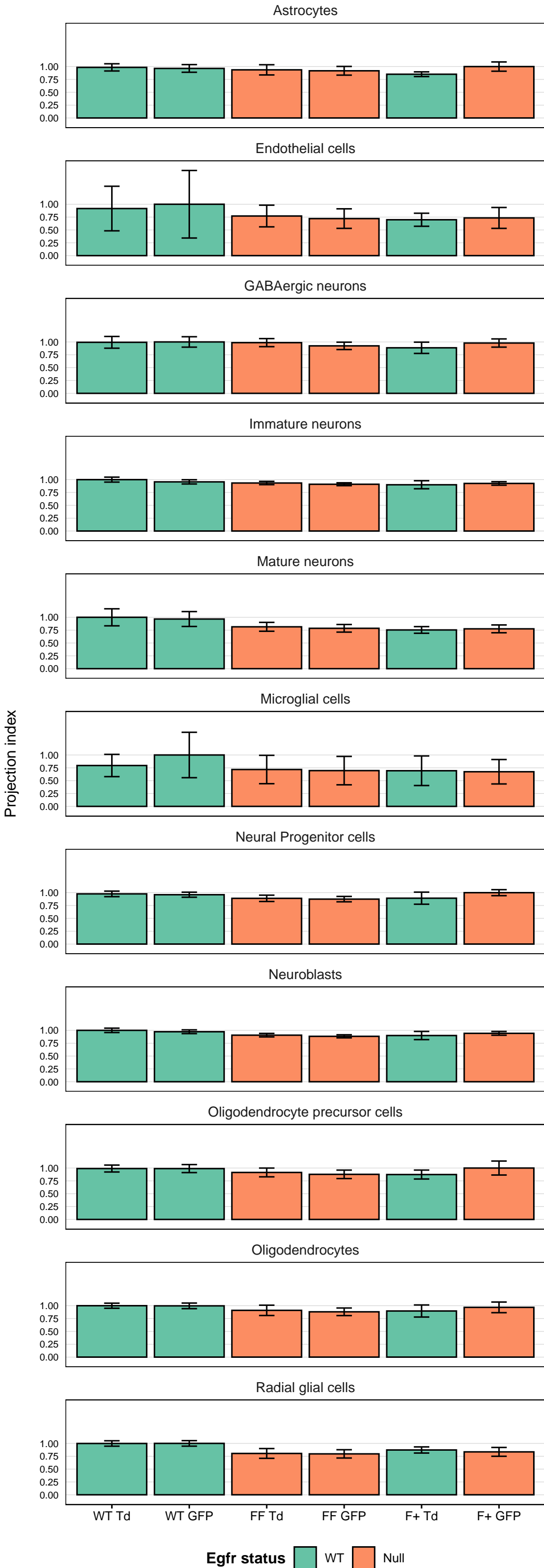
turquoise module
Top 100 by kME
Bicor-None_signum0.607_minSize12_merge_ME_0.85_18566



Top genes by kME

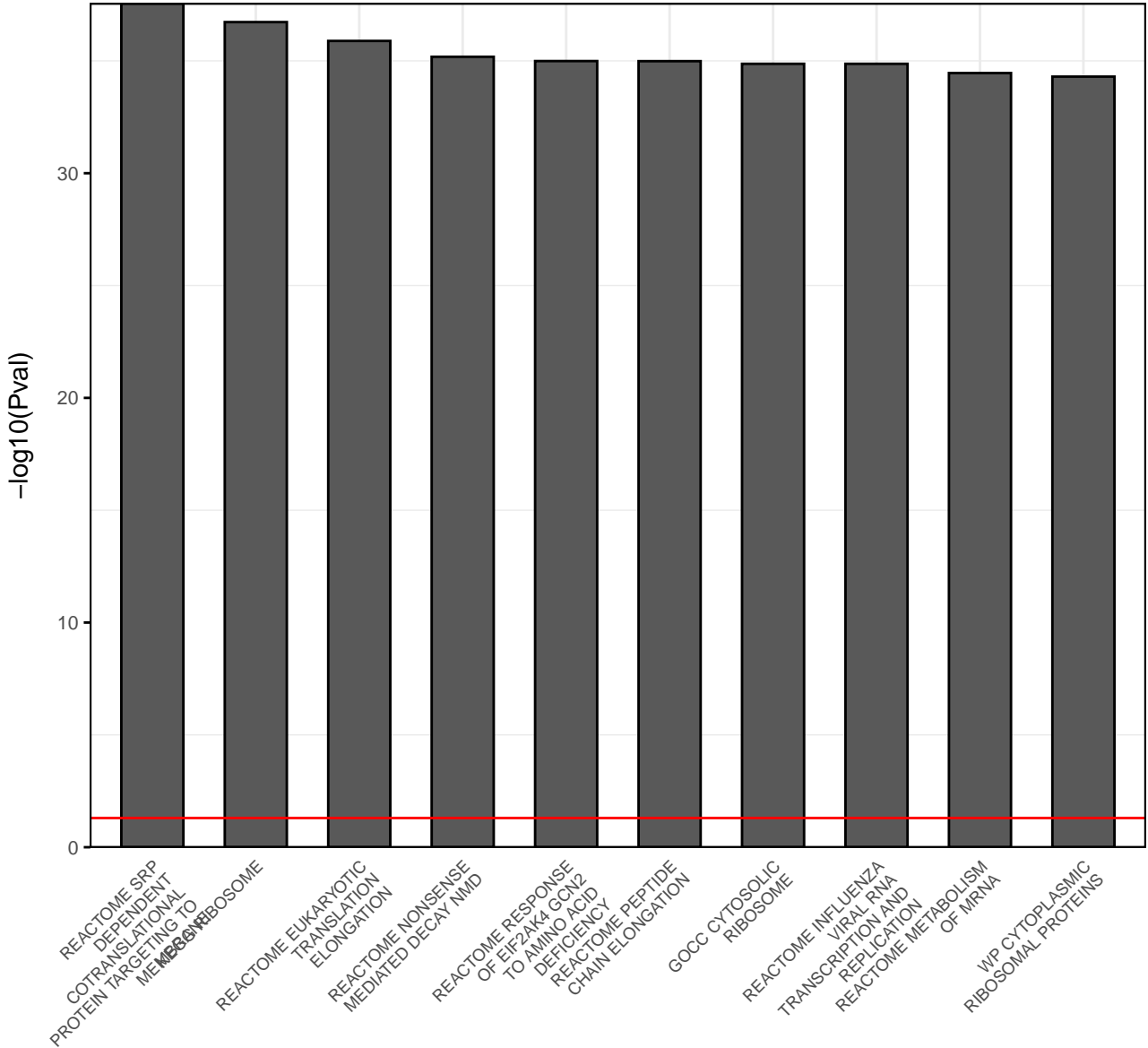
Gm17207
Gm46367
Cfap97d1
Gm38839
Gm48102
4930592A05Rik
Gm12146
Sh2d1a
8030451O07Rik
Gm15522
Gm47359
Gm49761
Gssos1
Ccl22
Gm44982
Gm31706
Slc16a3
Pate4
Gm11638
Gm20642

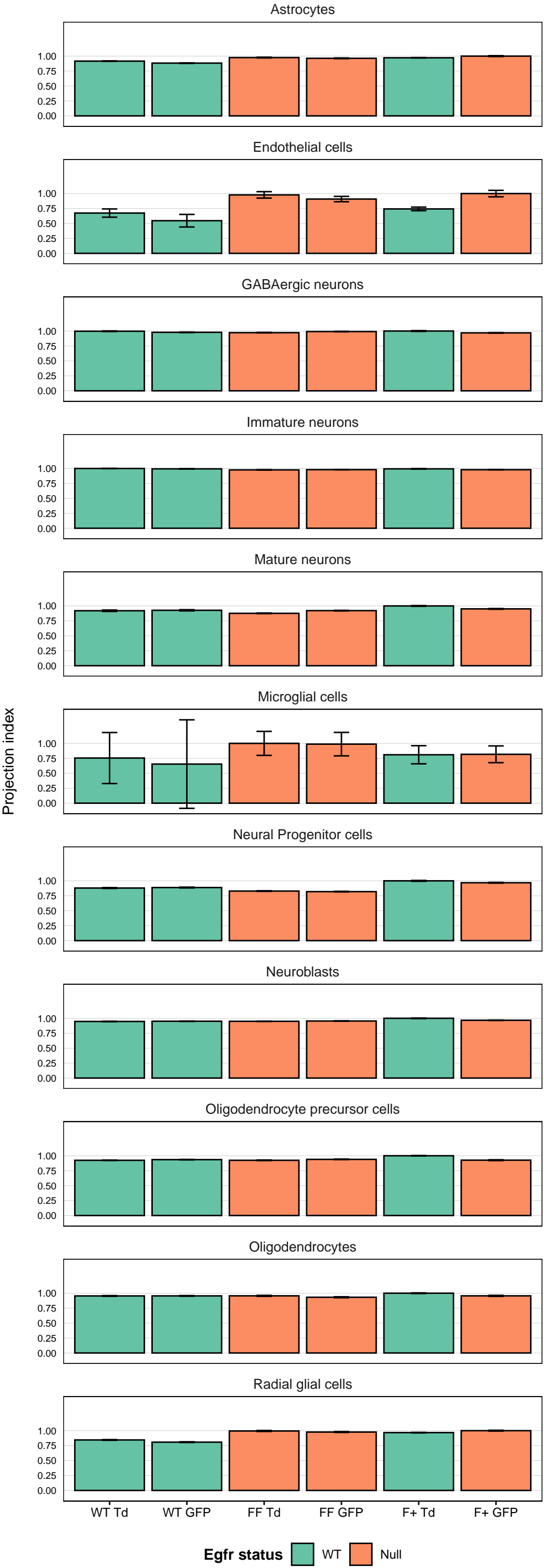




Top genes by kME

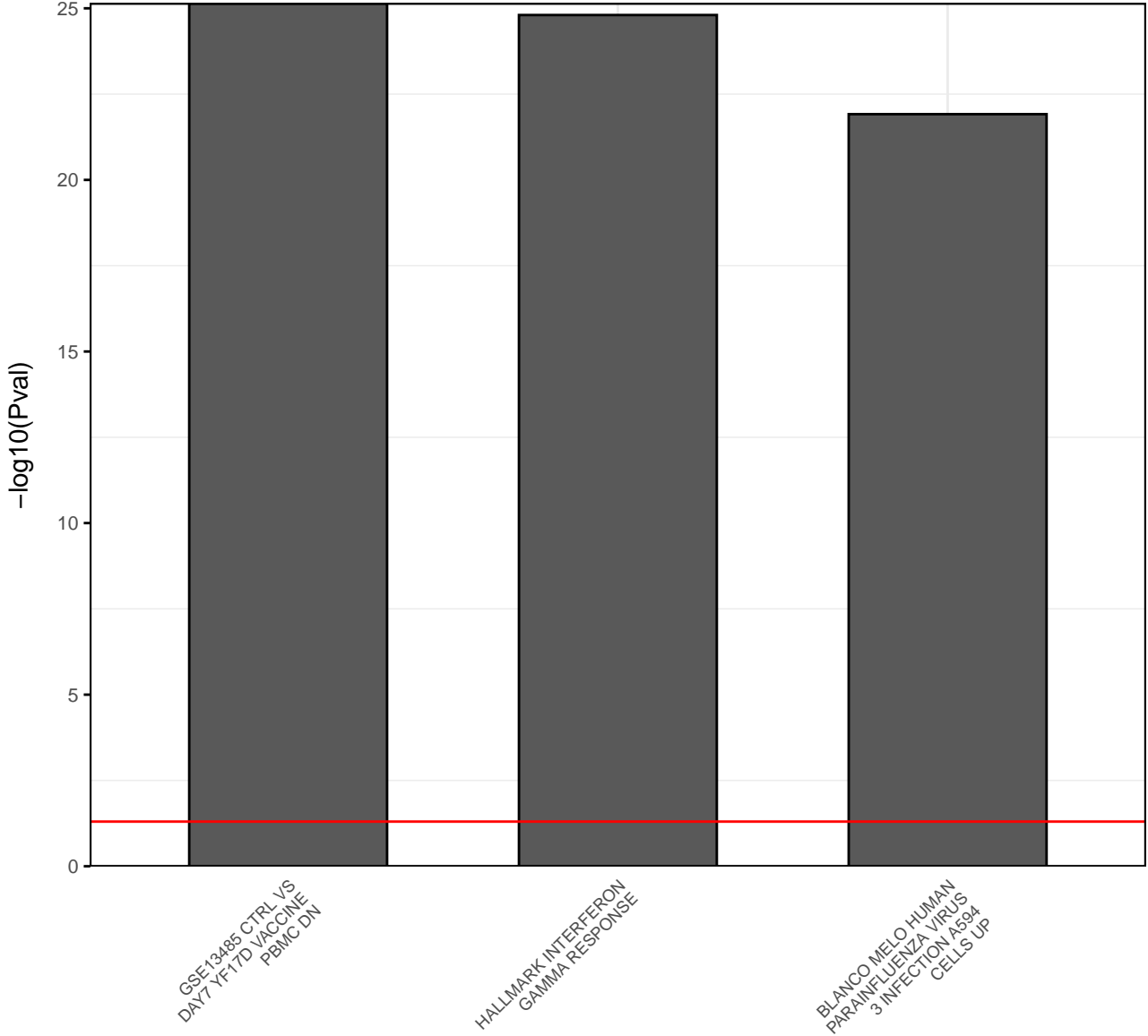
Rpl39
 Nudt13
 Klc4
 Rab33a
 Lsm5
 Exosc7
 Iah1
 Rps17
 Hint2
 Cstb
 Bola1
 Al413582
 Tmem50a
 9530077C05Rik
 Lsm10
 Rpl36
 Ubl5
 Bbs12
 Rps15a
 Nudt22



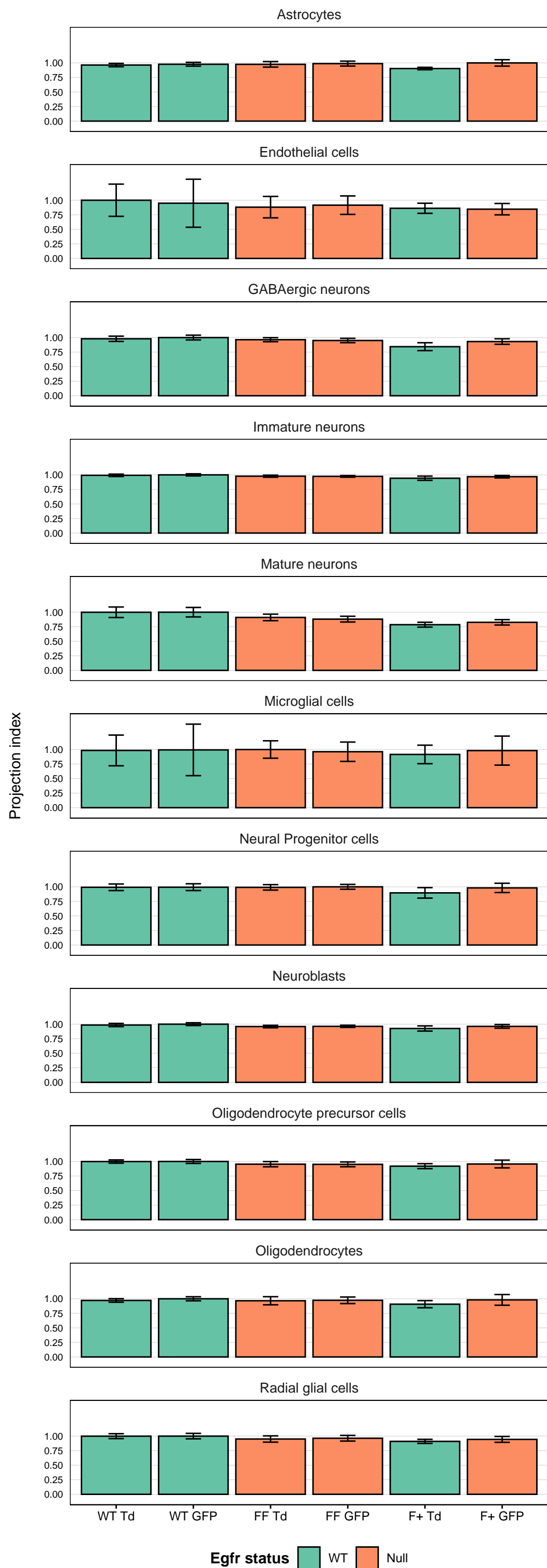


Top genes by kME

Zbp1
Saa3
Ms4a4c
Cfb
Plac8
Gm12971
C3
Plbd1
Gm15579
Hp
Ifi211
Isg15
Fpr3
F10
Gm19299
Il1b
Gpr141
Nfe2
Ifi204
Oasl1

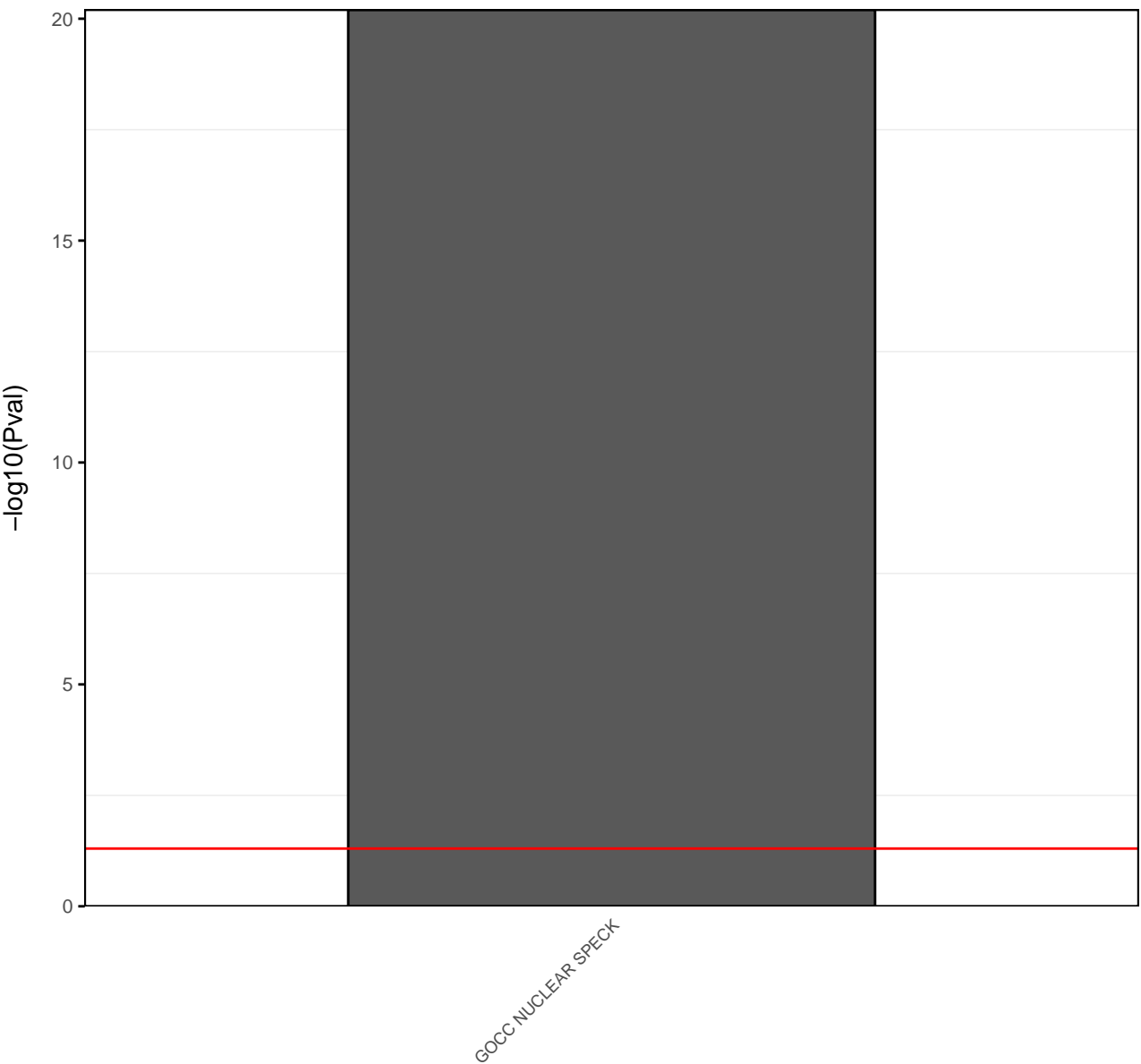


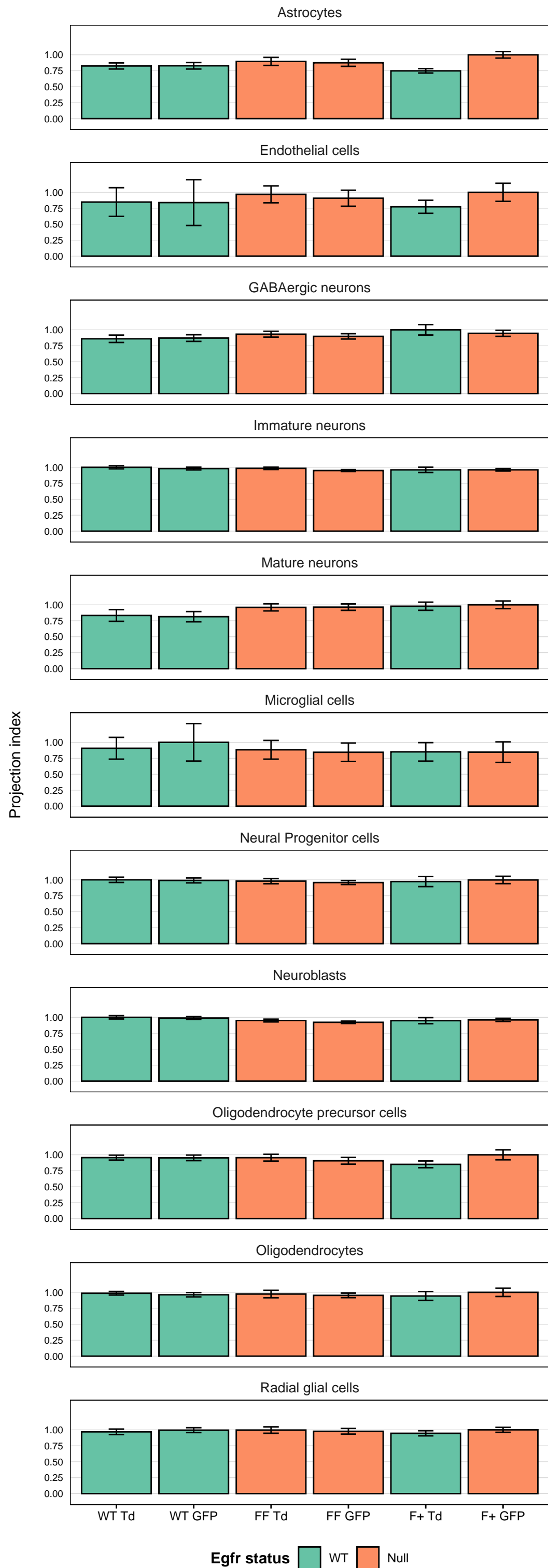
midnightblue module
Top 100 by kME
Bicor-None_signum0.757_minSize8_merge_ME_0.85_18566



Top genes by kME

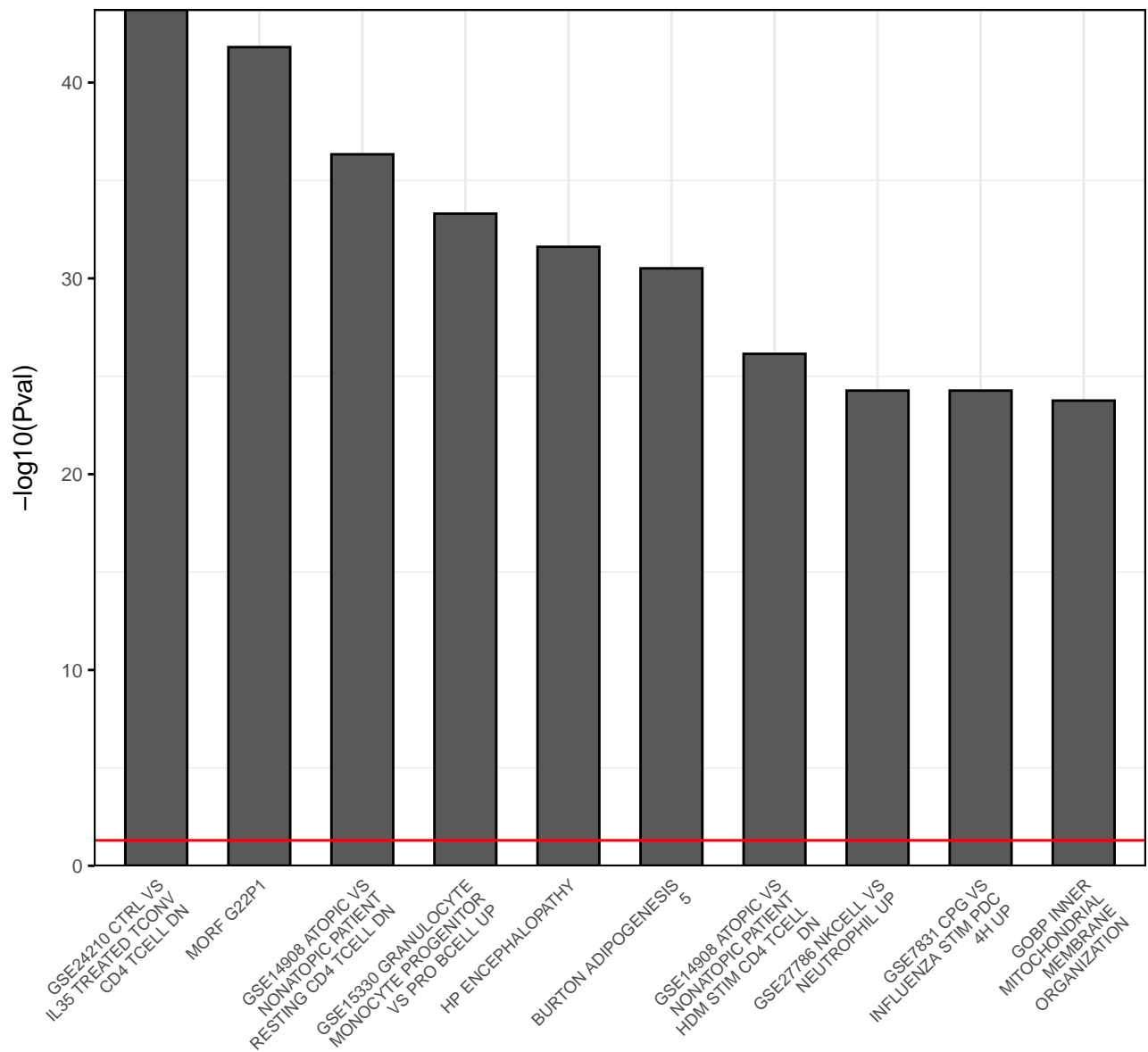
Ik
Mfap1a
Utp3
Zfp1
Fxr1
Nono
Ccdc173
Ncl
Gm7324
Prpf3
Topors
Fip11
Pa2g4
Gripap1
Safb
Myo5b
Tll5
Dnajc7
Gas8
Cwc27



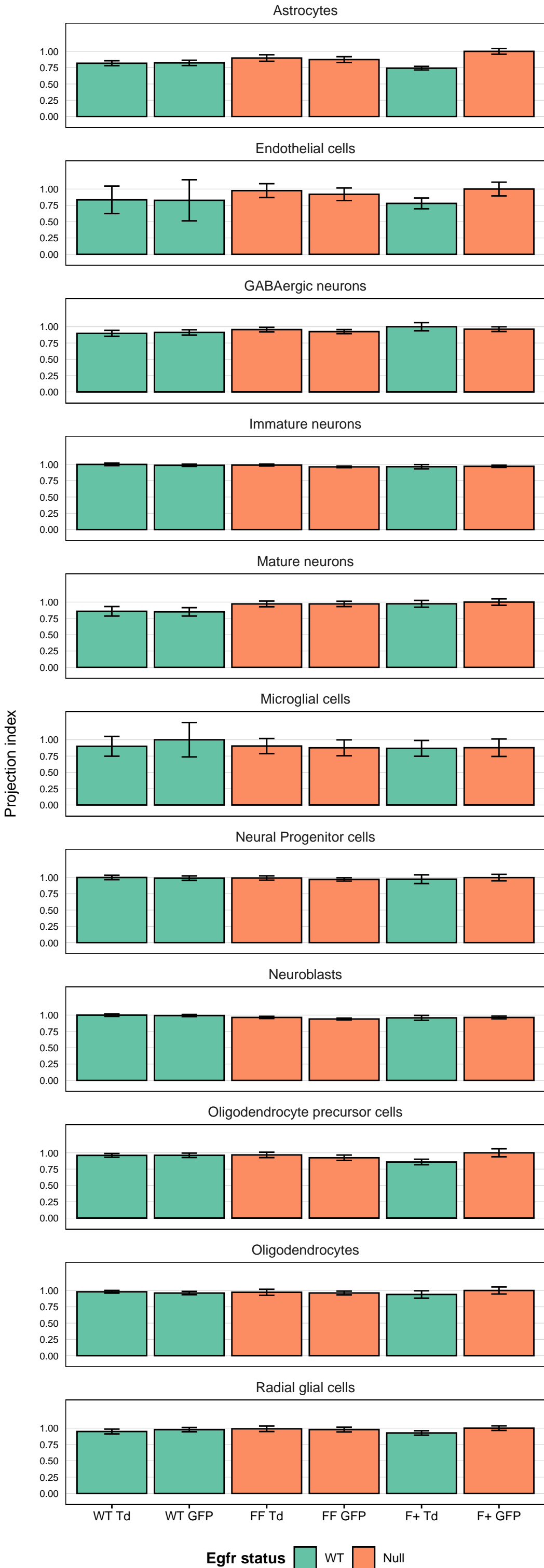


Top genes by kME

Dhrs7b
Ndufs2
Atp5a1
Copz1
Seph2
Ubb
Amfr
Chst10
Vps16
Dap3
Actr10
Ei24
Ptcd2
Spr
BC031181
Mpst
Nipsnap1
Samm50
Nap1l4
Trap1

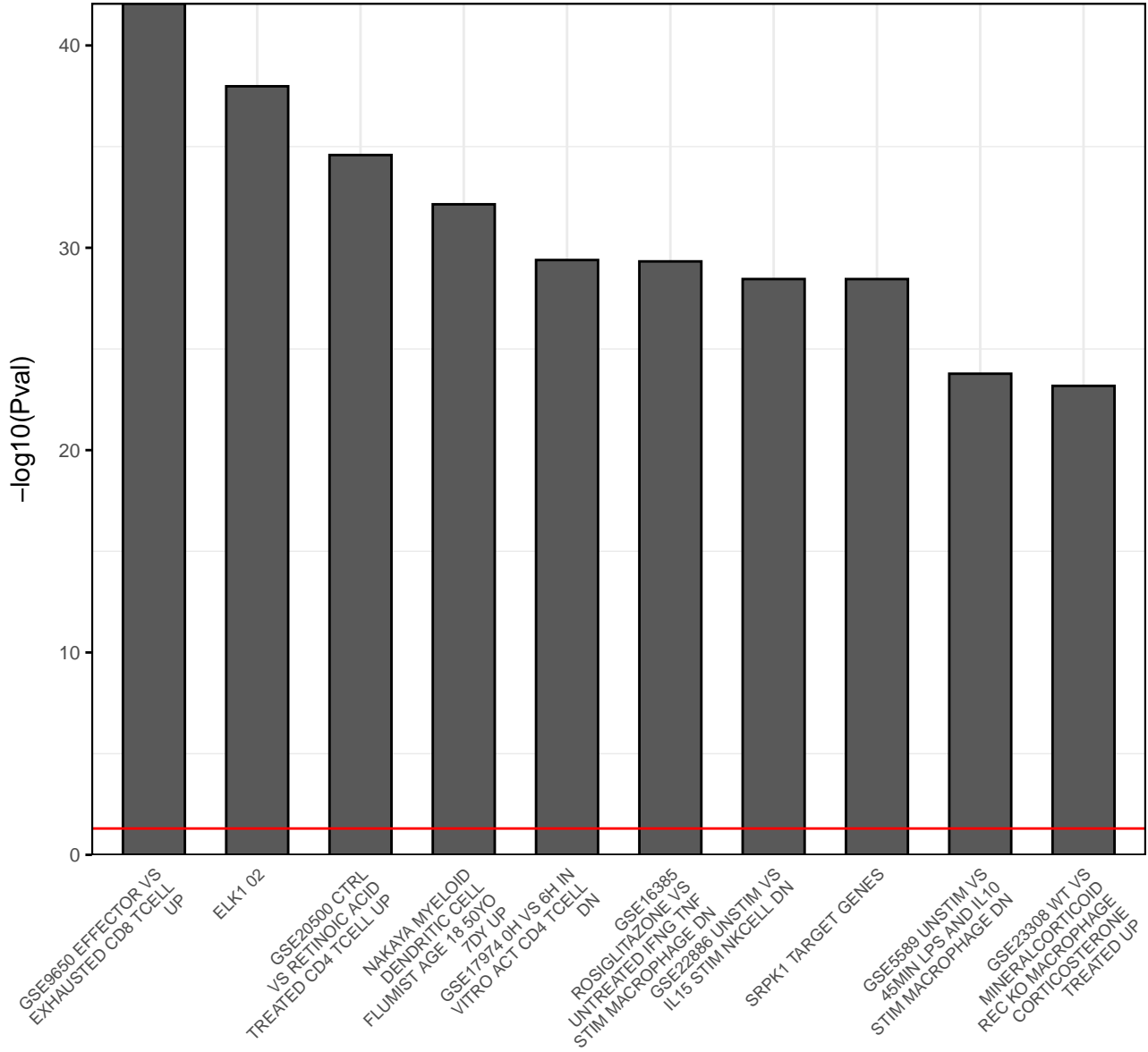


turquoise module
Top 100 by kME
Bicor-None_signum0.577_minSize15_merge_ME_0.85_18566

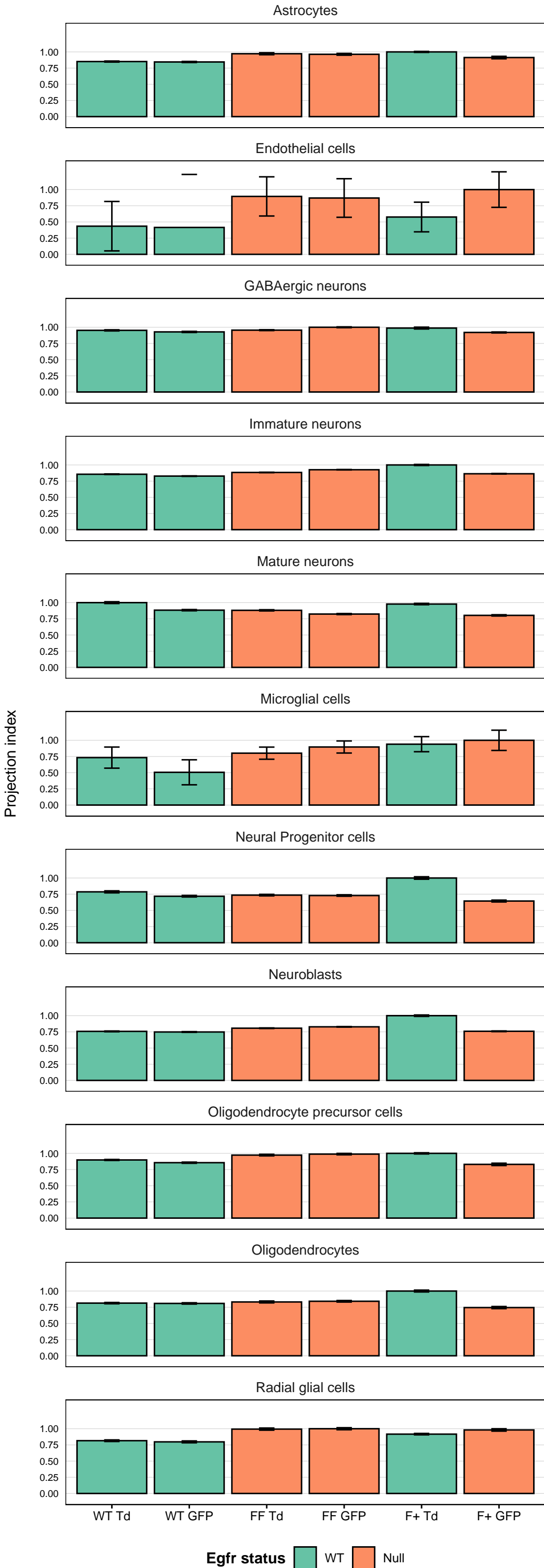


Top genes by kME

Gm12971
Gm15579
Ms4a4c
Saa3
Cfb
Zbp1
C3
Plac8
F10
Gm19299
Ifi211
Il1b
Hp
Plbd1
Nfe2
Fgr
Psmb8
Isg15
Clec4n
Atp8b4

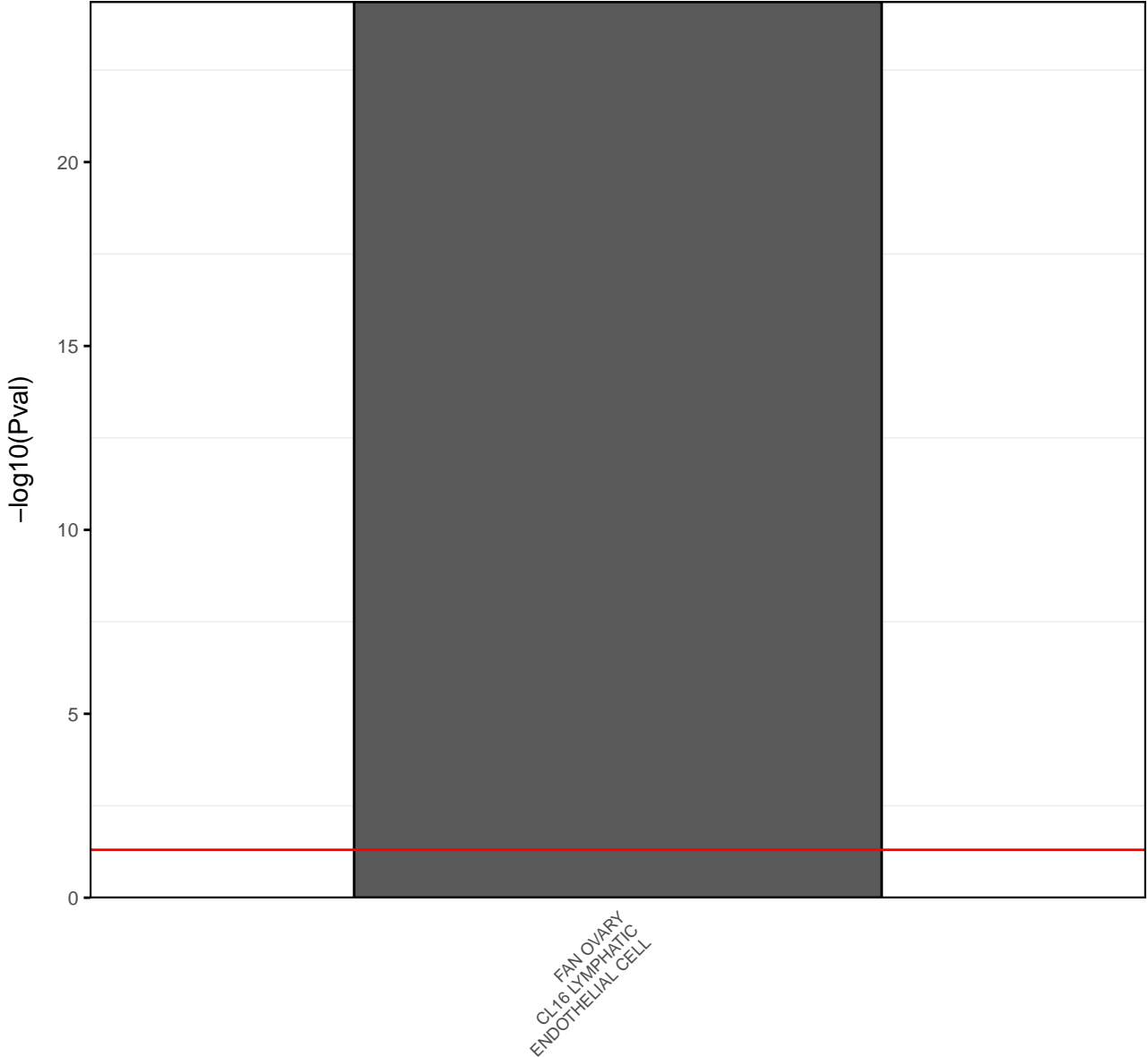


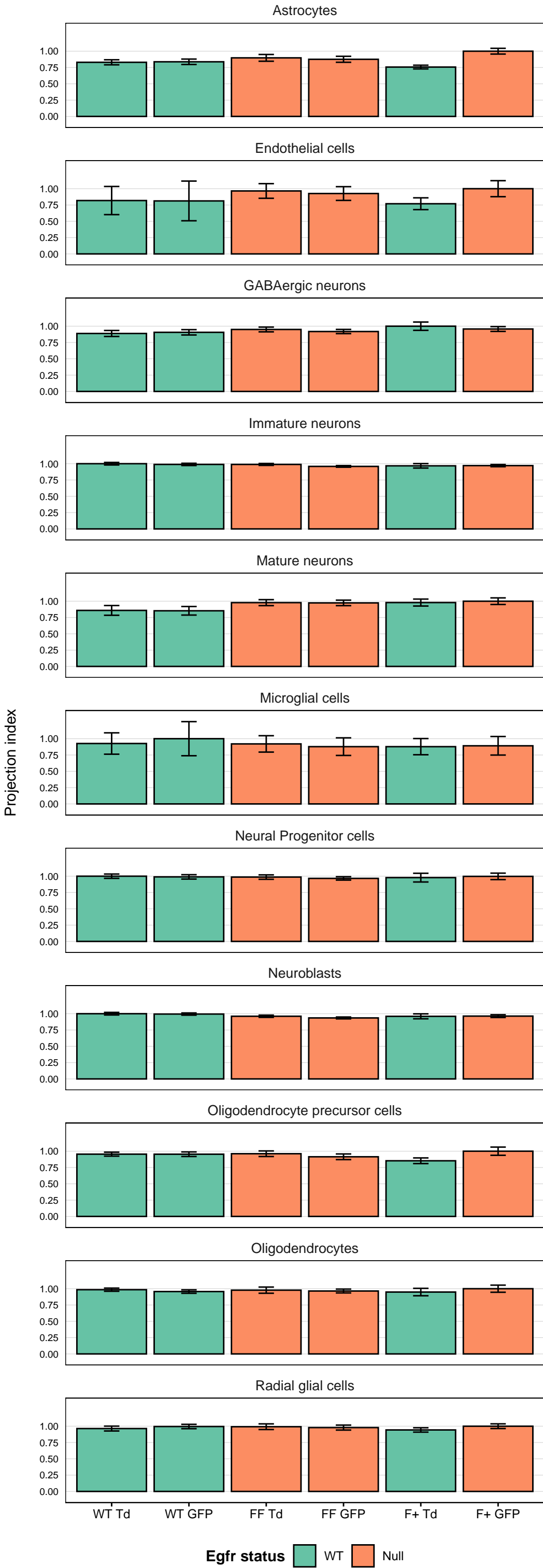
brown module
 Top 100 by kME
 Bicor-None_signum0.577_minSize15_merge_ME_0.85_18566



Top genes by kME

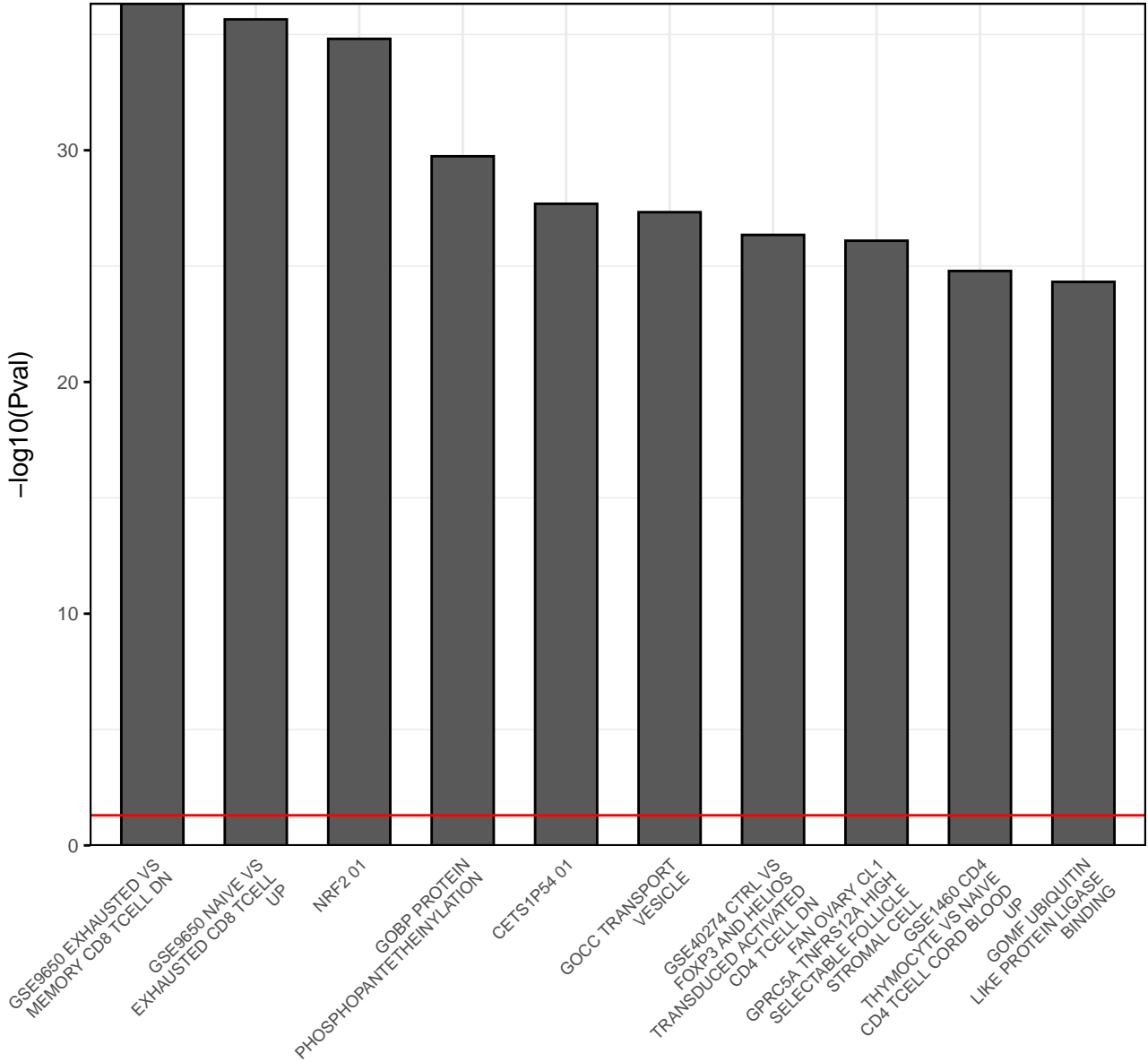
Fam24a
 Olfr1366
 Gm44764
 4933424L21Rik
 5430401F13Rik
 Gm36246
 1500015L24Rik
 Rbm46os
 Gm40923
 Glp2r
 G630055G22Rik
 Gm36550
 Spink4
 Msh6
 Gm26671
 Ptprcap
 Gm12925
 Kctd4
 Rapgef3os1
 Mtrex





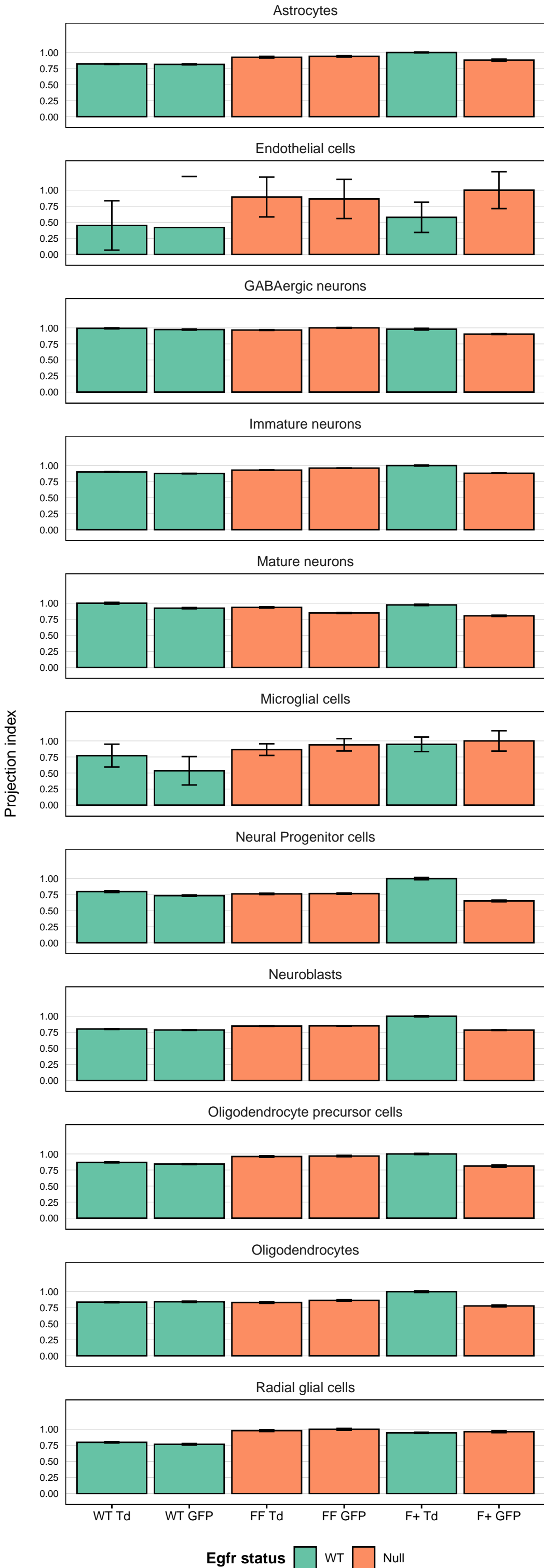
Top genes by kME

Cadm2
Kcnh1
Sorcs1
Agtpbp1
Pdzd2
Fhod3
Plcx2
Mtcl1
Tspan5
Ldlrad4
Frmpd4
Pik3r1
Ipcef1
Klh1
Kcnh5
9130227L01Rik
Rorb
Atp2b2
Gm19410
Ephx4



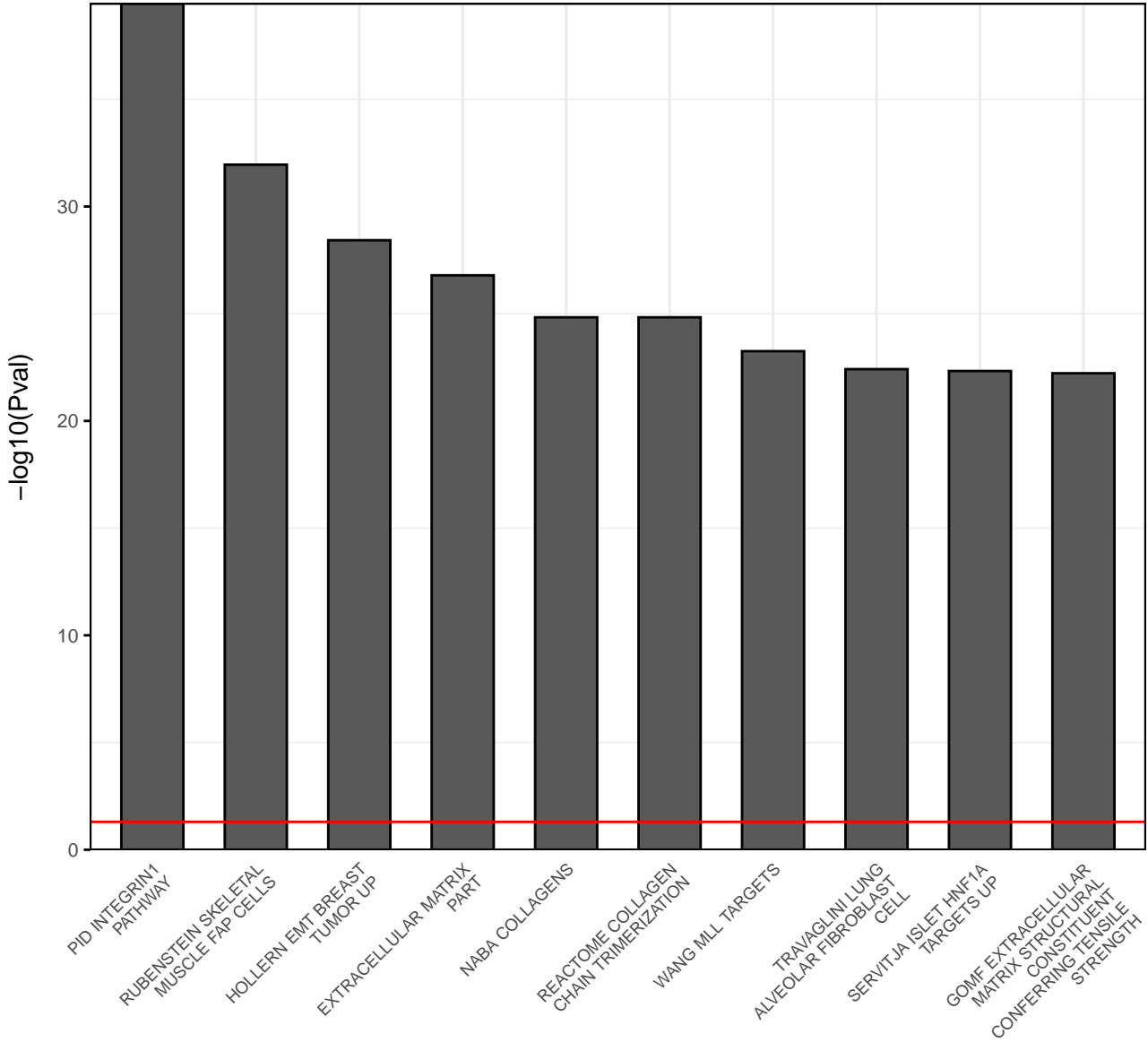
red module
Top 100 by kME

Bicor=None_signum0.757_minSize10_merge_ME_0.85_18566

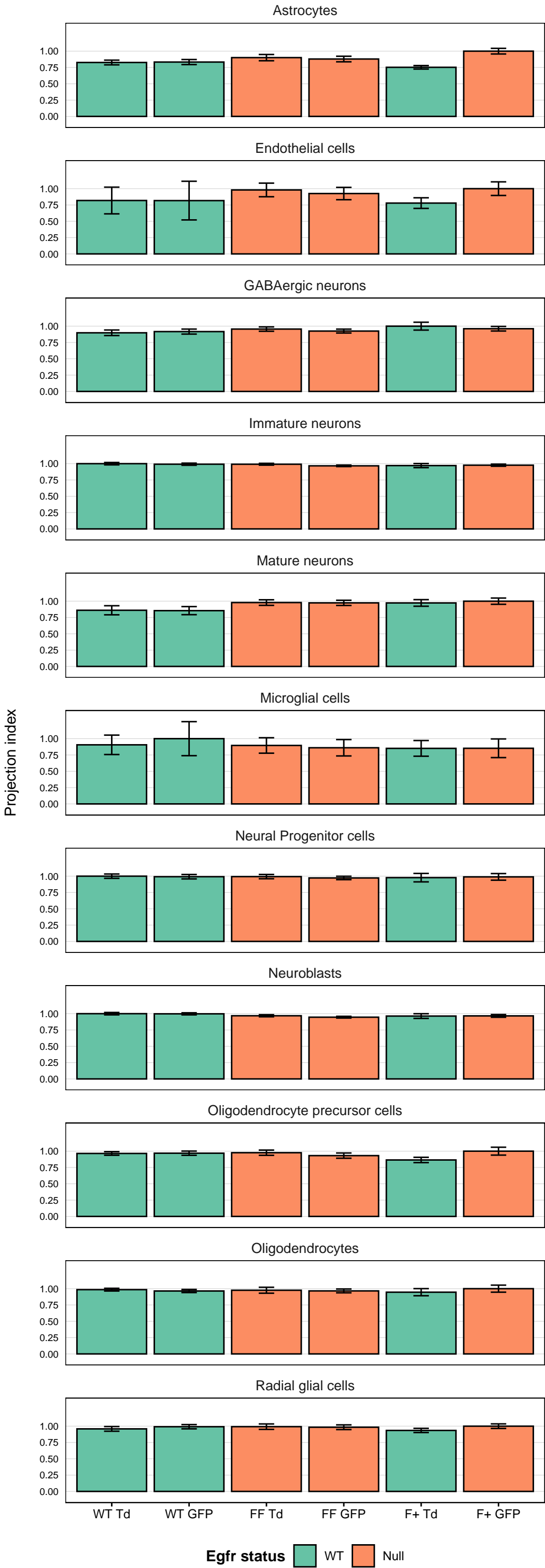


Top genes by kME

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

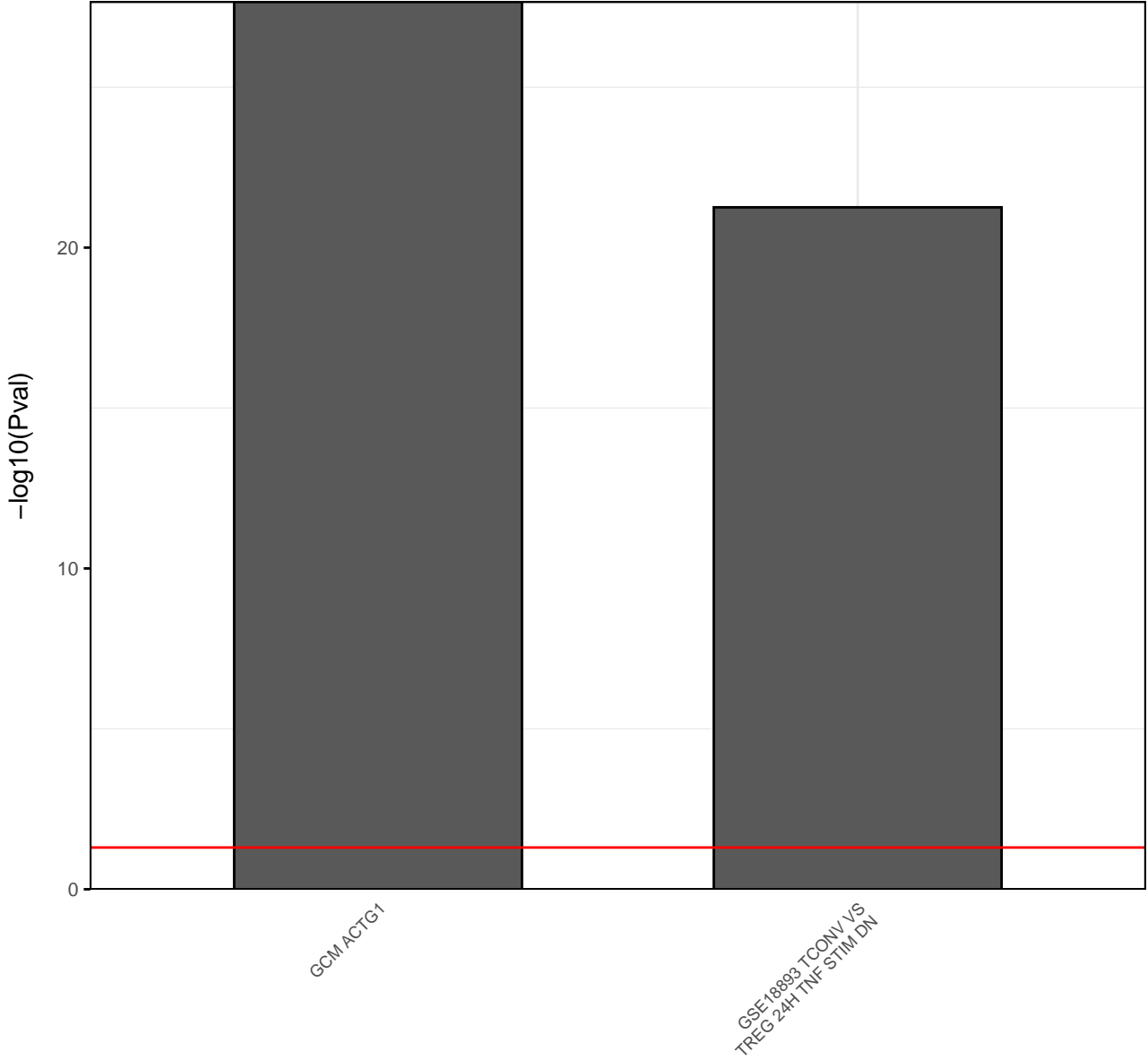


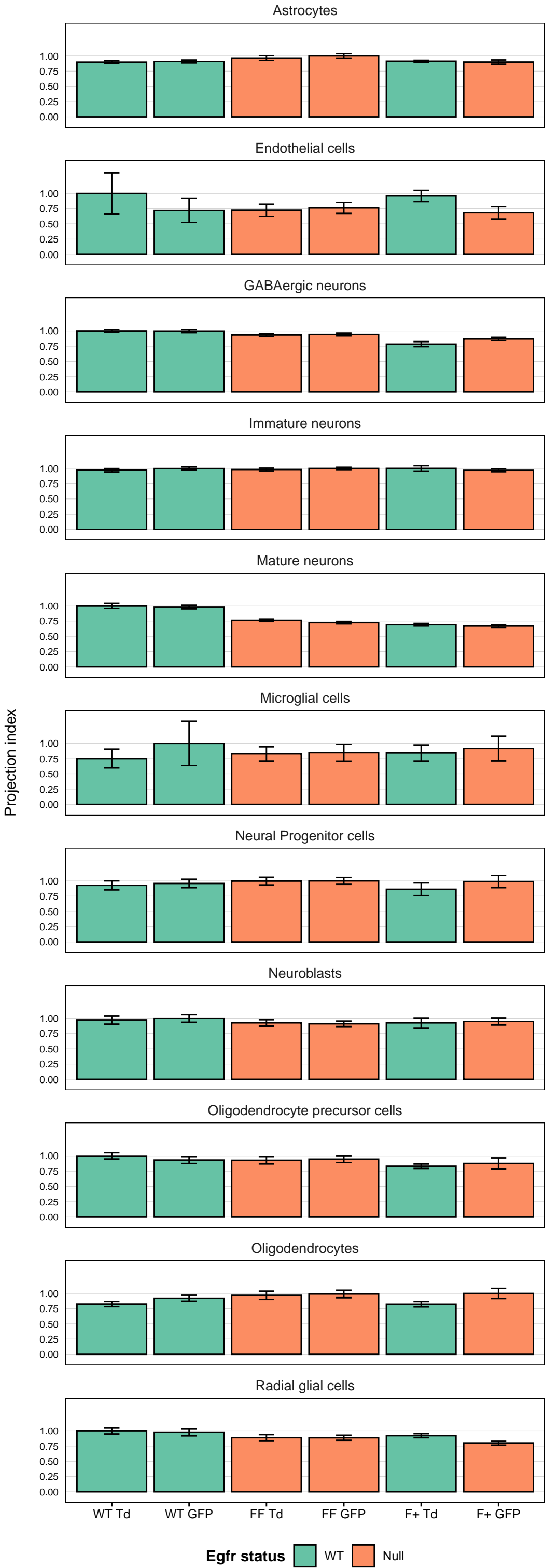
turquoise module
Top 100 by kME
Bicor-None_signum0.551_minSize15_merge_ME_0.85_18566



Top genes by kME

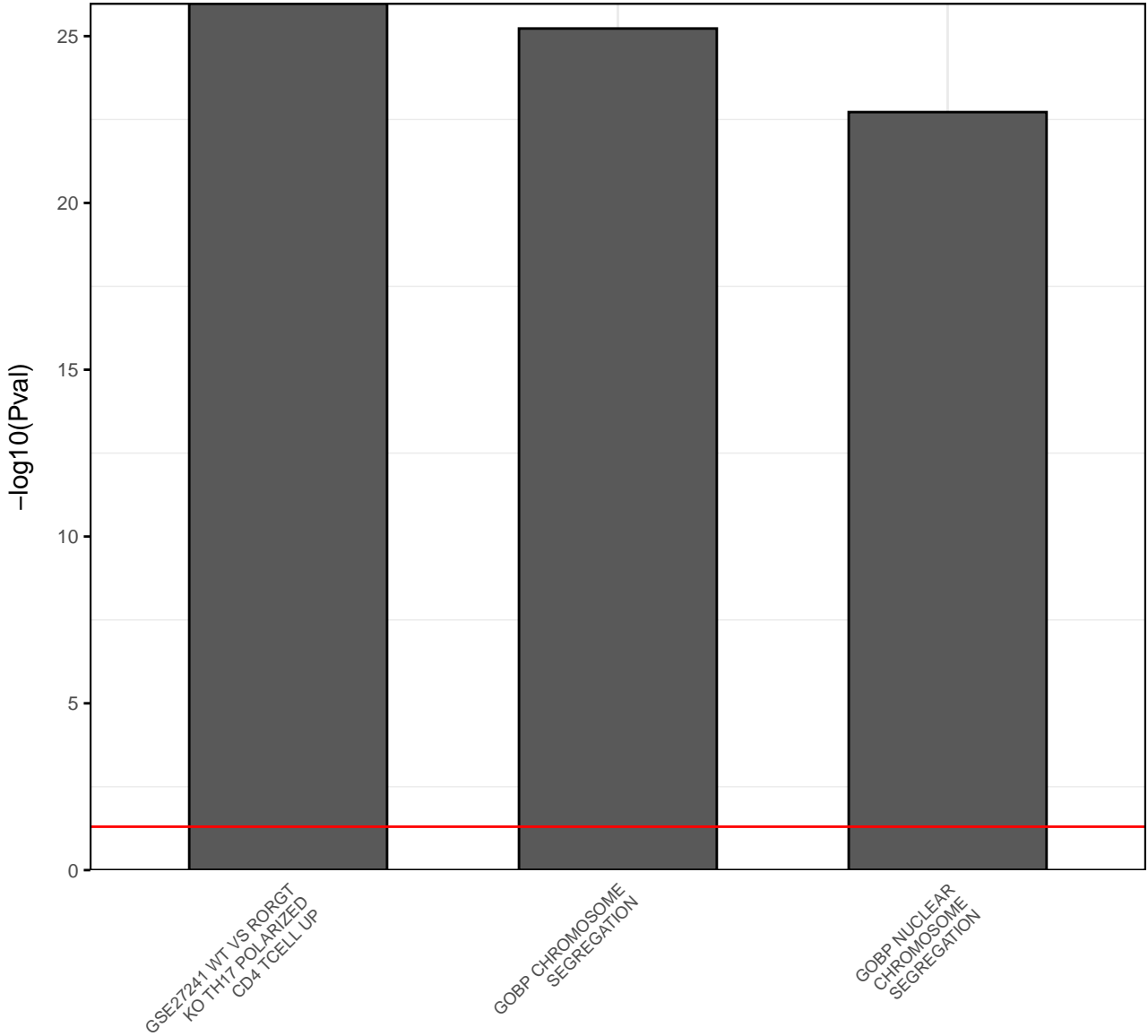
Serpina9
Scn4b
Rarb
Dlx6
Car6
Pde7b
Irf6
Slc5a7
Frem2
Gm35206
Gng7
Drd2
Ido1
Strip2
Th
Nexn
Ppp1r1b
Rgs9
Rxrg
Fam222a



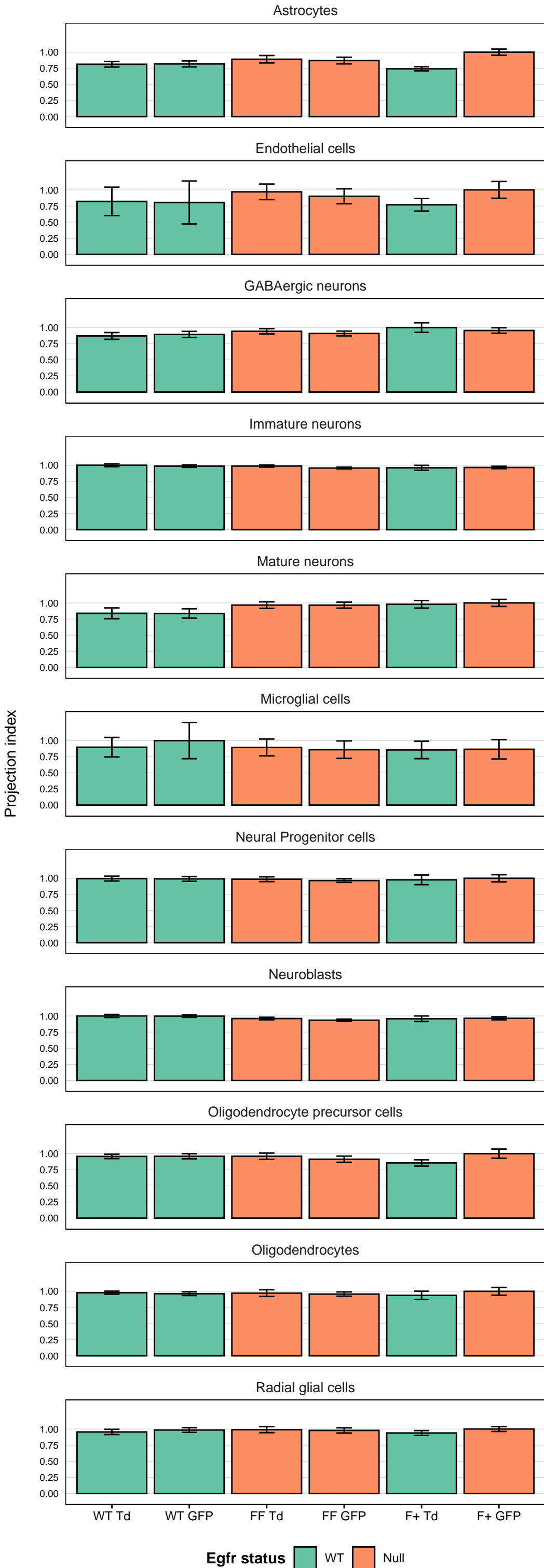


Top genes by kME

Usp45
Neil3
Ect2
Bub1b
Ccnb1
Vps4b
Ncapg2
Rbl1
Tes3-ps
Smc2
Dhfr
Map3k7
Cdca2
Nek2
Top2a
Pbk
Tacc3
Bub1
Ttk
D430020J02Rik

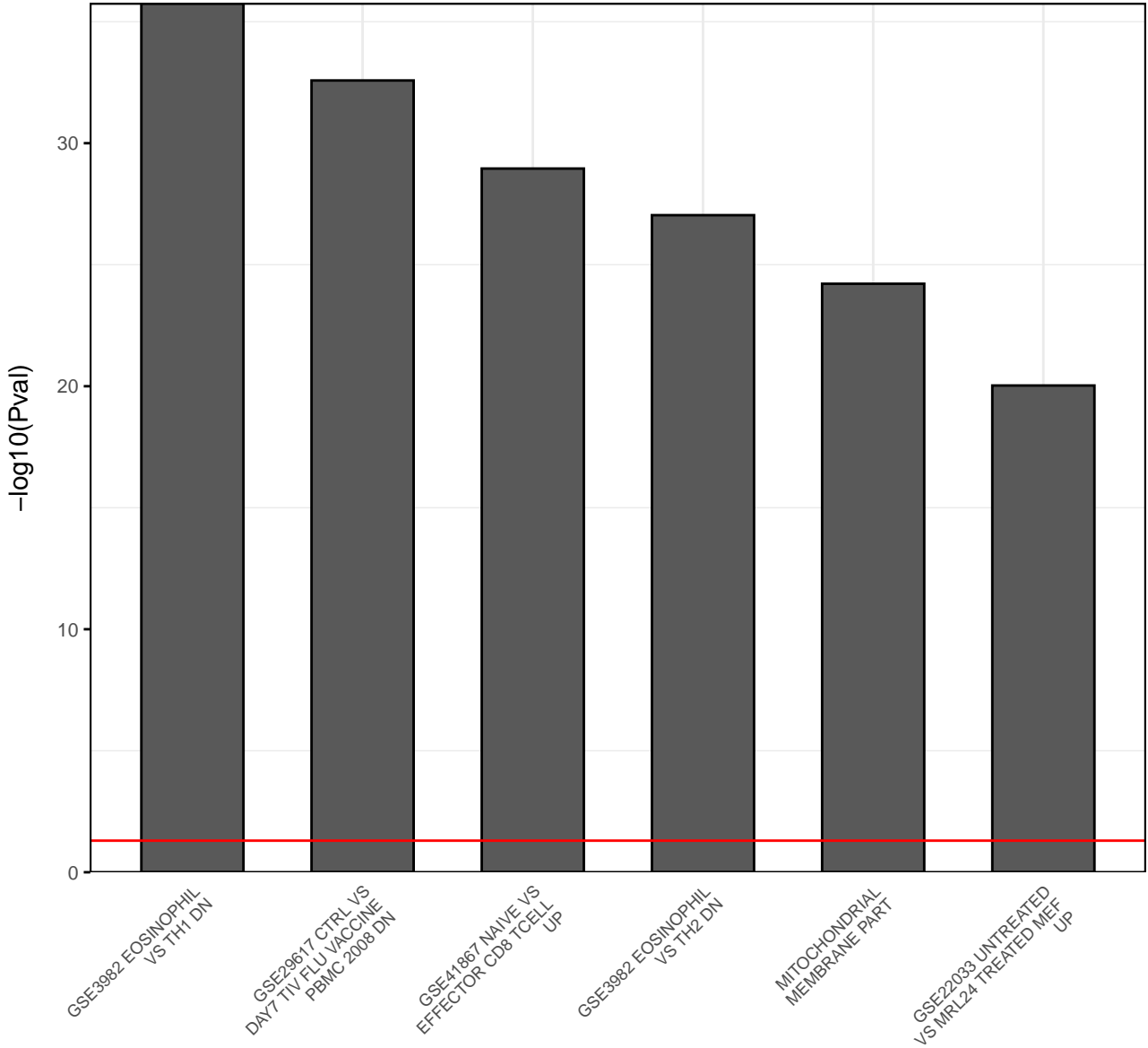


turquoise module
Top 100 by kME
Bicor-None_signum0.69_minSize8_merge_ME_0.85_18566



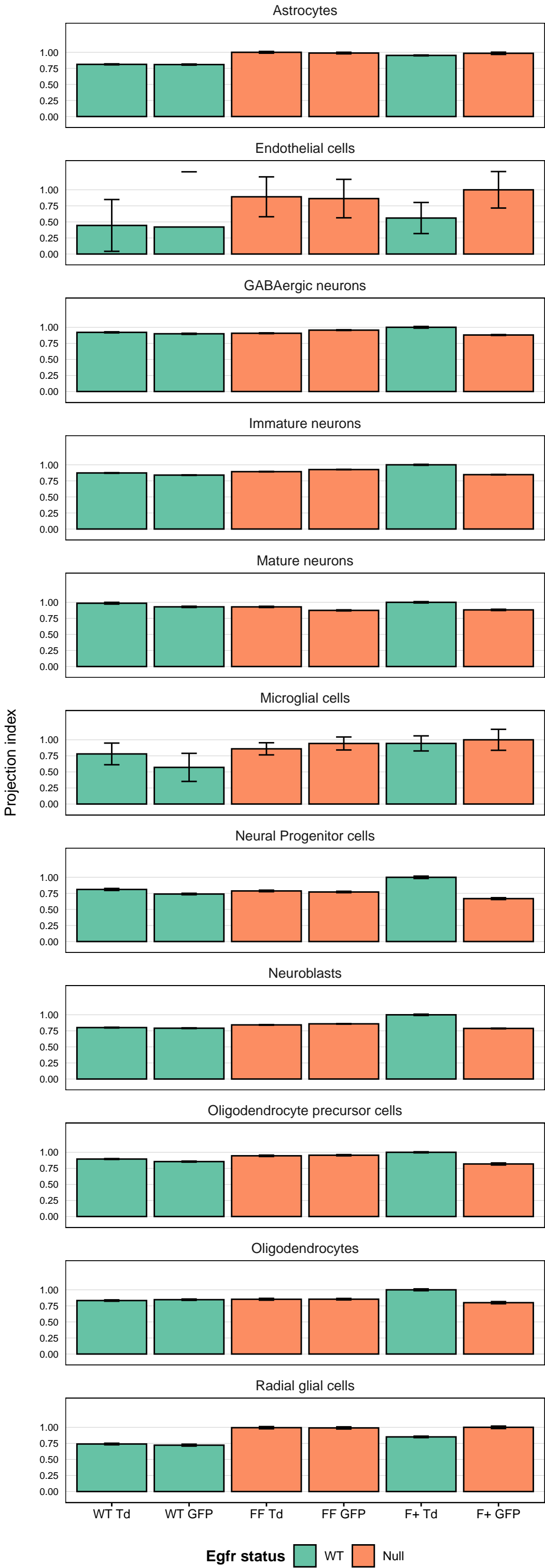
Top genes by kME

Dhrs7b
Ndufs2
Copz1
Ei24
Chst10
Seph2
Amfr
Adh5
Atp5a1
Ubb
Nap114
Trap1
Echs1
Pde6d
Bap1
Brk1
Mpst
Samm50
Vps16
Ptcd2



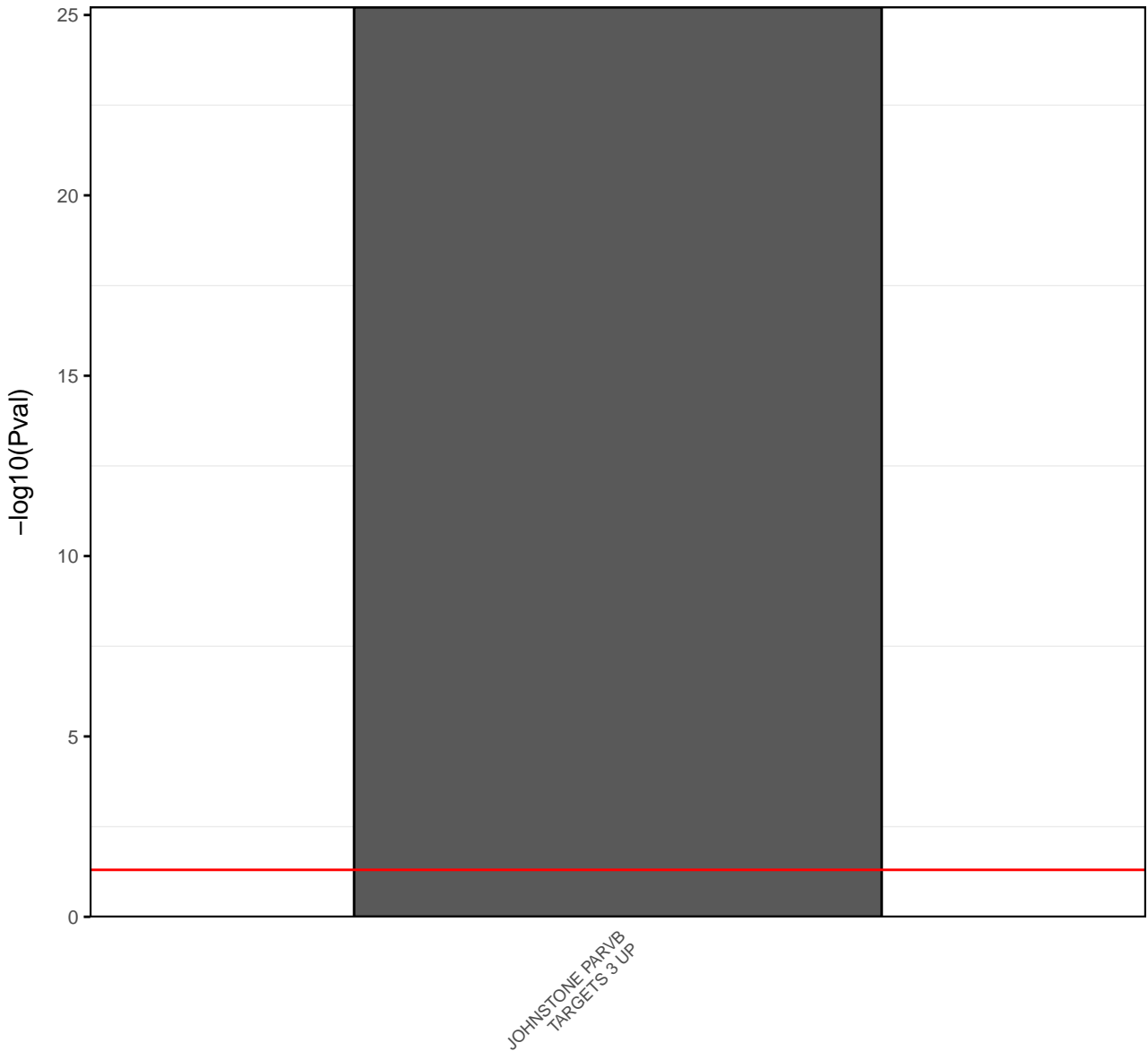
blue module
Top 100 by kME

Bicor-None_signum0.508_minSize20_merge_ME_0.85_18566

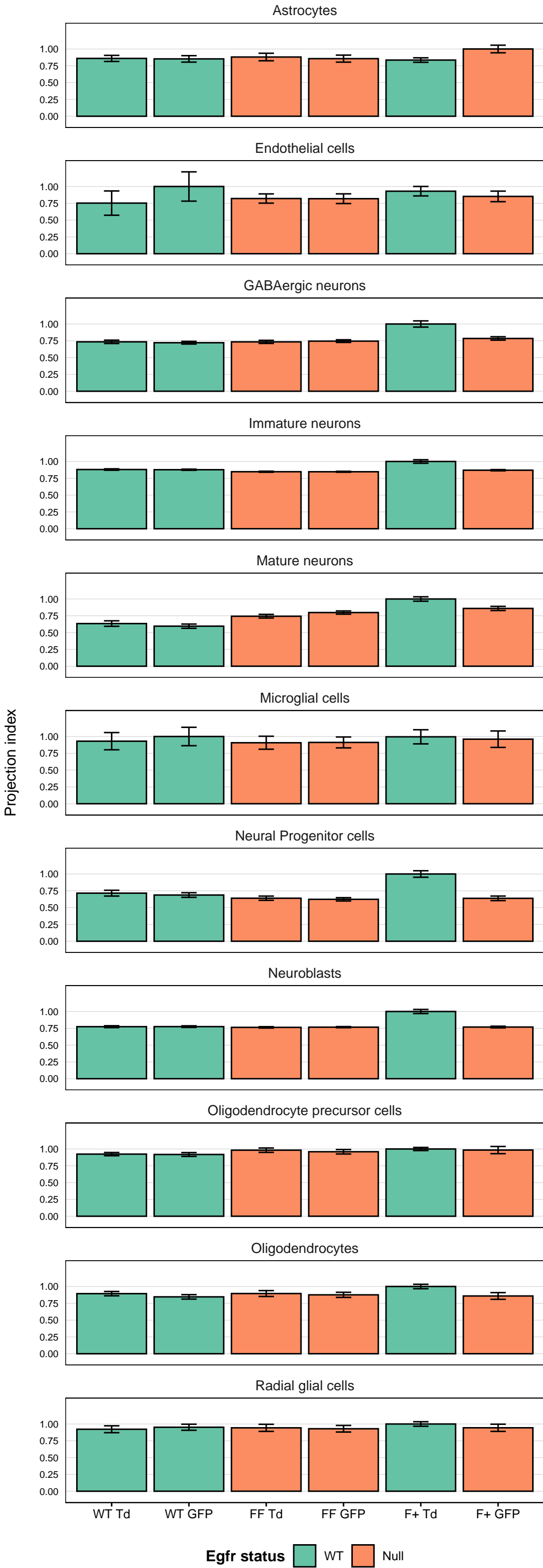


Top genes by kME

Gm36551
Gm47648
Gm45645
Olf107
1700060C20Rik
Gm36602
Gm16169
Gm29455
Trim12a
Rbm15
4930474N09Rik
Gm28198
Fshr
Cst12
Gypa
Gm10961
Gm15777
Aanat
Gm49208
Heatr4

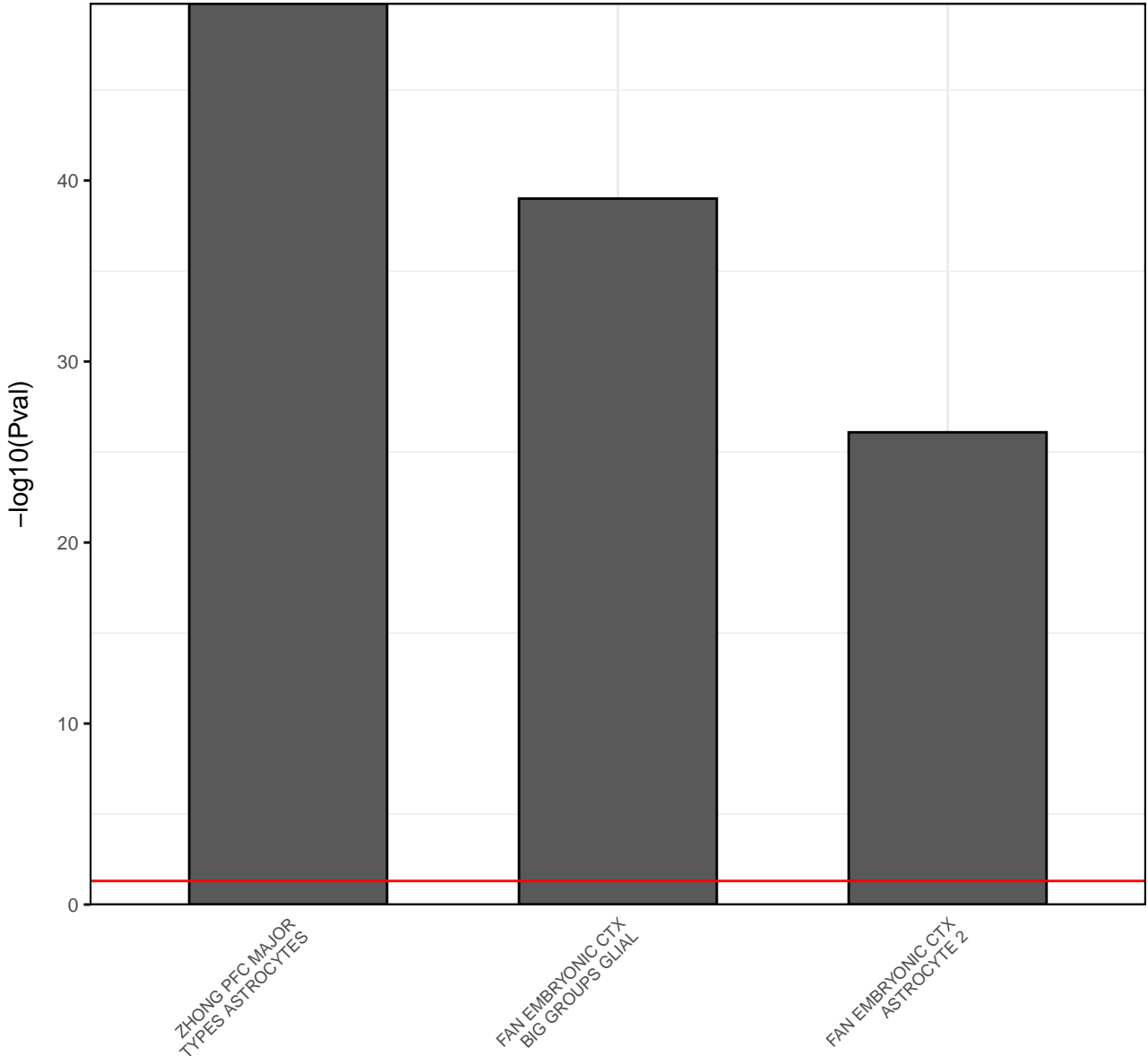


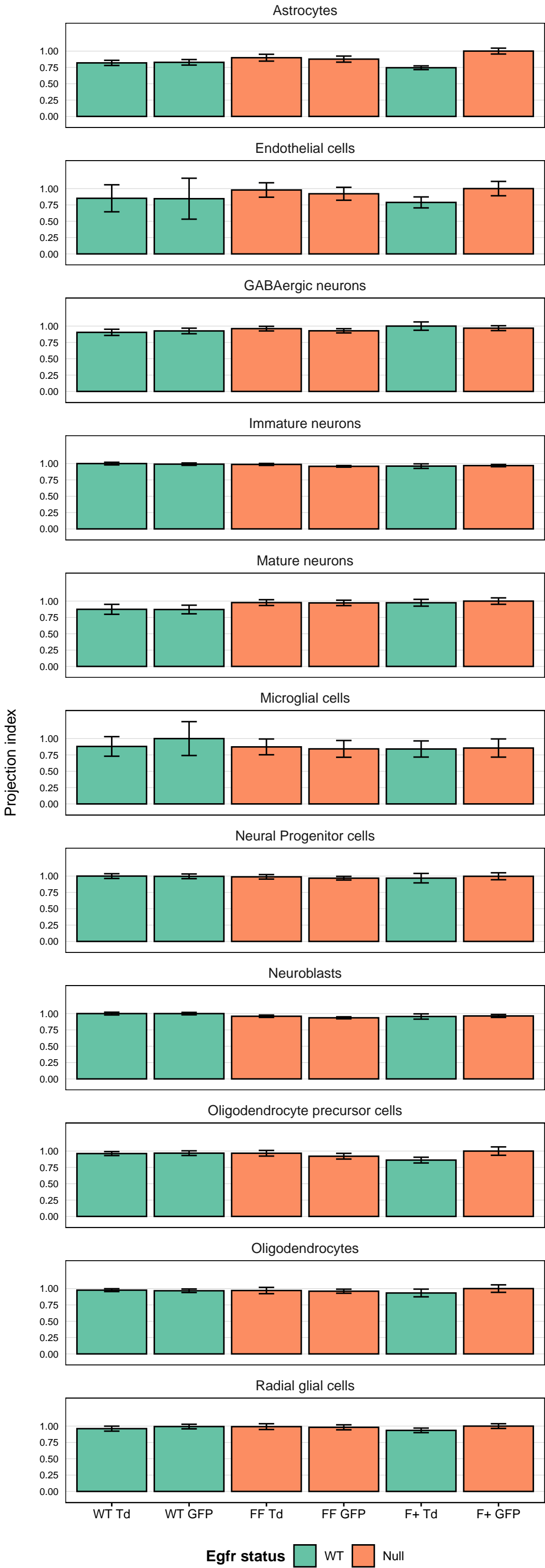
grey60 module
Top 100 by kME
Bicor-None_signum0.508_minSize20_merge_ME_0.85_18566



Top genes by kME

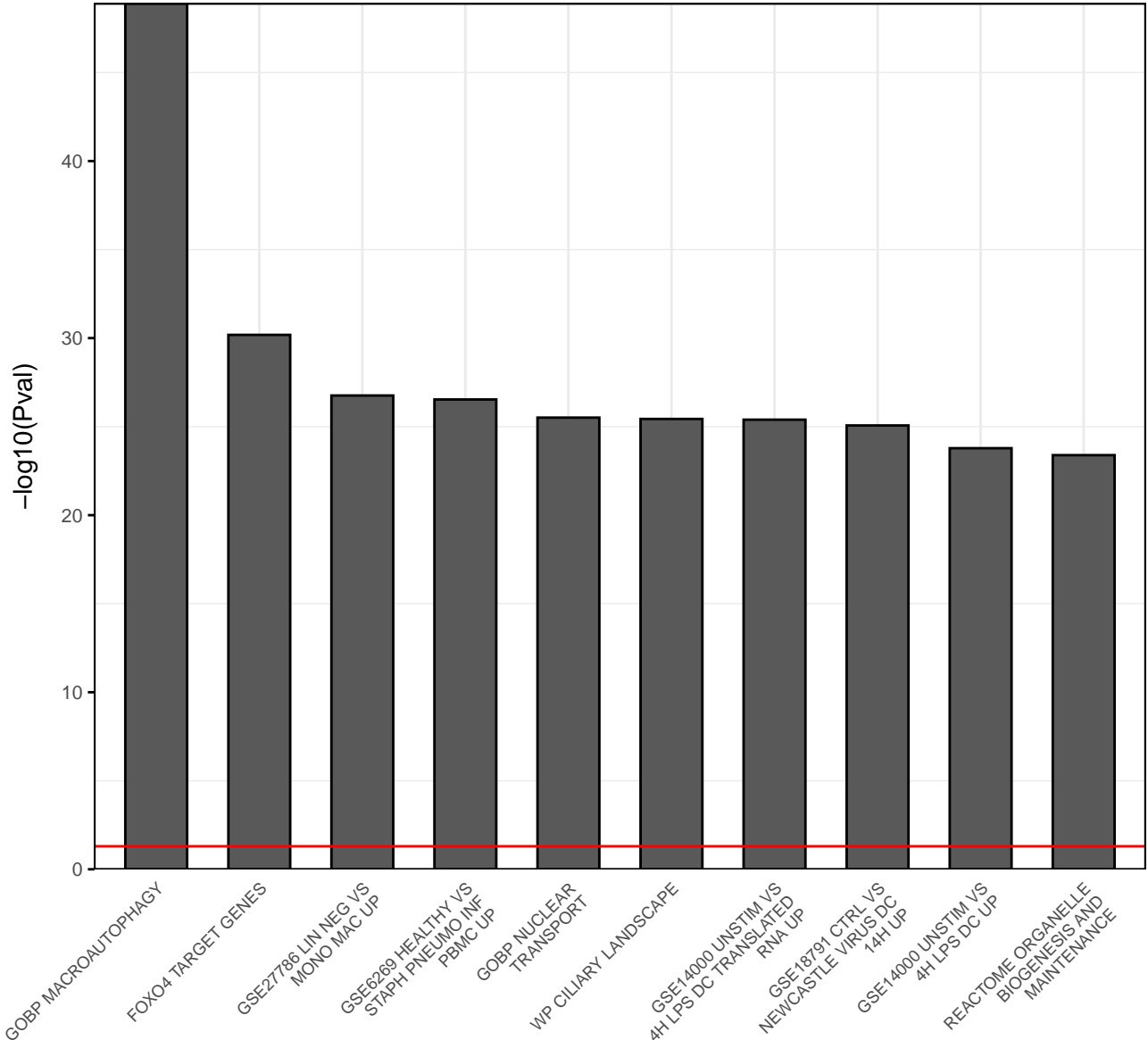
Ppp1r3c
Plcd4
Pgm1
Zswim3
Hes5
Cmtm5
Gm2a
Phgdh
Myorg
Mfge8
Lamp1
Bsg
Scp2
Slc17a7
Rcn2
Gabrg1
Sash1
Arhgef19
Chst1
Acad11

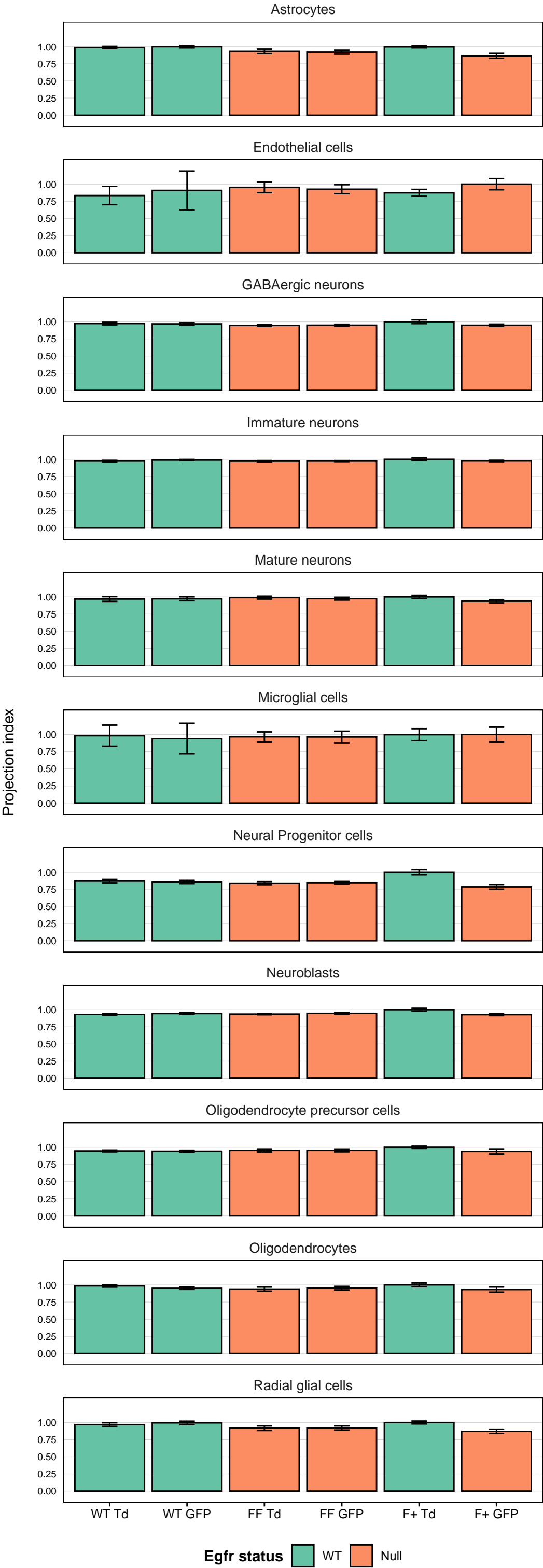




Top genes by kME

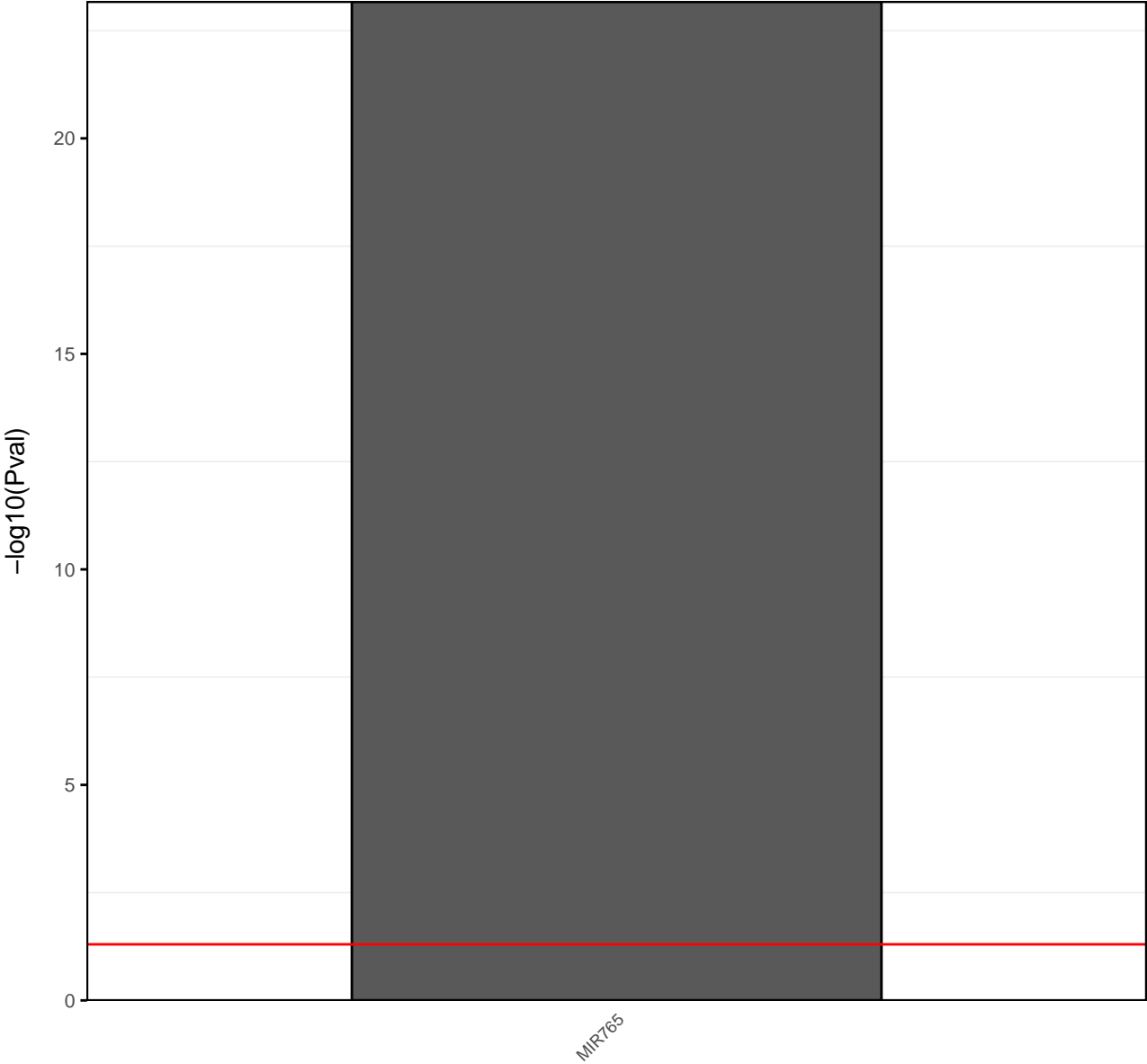
Fam186a
Gm12511
Lrrc14b
Agmat
Slc22a19
Gm17200
Gm16599
Gm15606
Gm17151
1700019L13Rik
Sall4
Gm6657
Barhl1
Gm28100
Etnppl
Gm16196
1810007C17Rik
Gm16208
Vmn2r89
4930478K11Rik

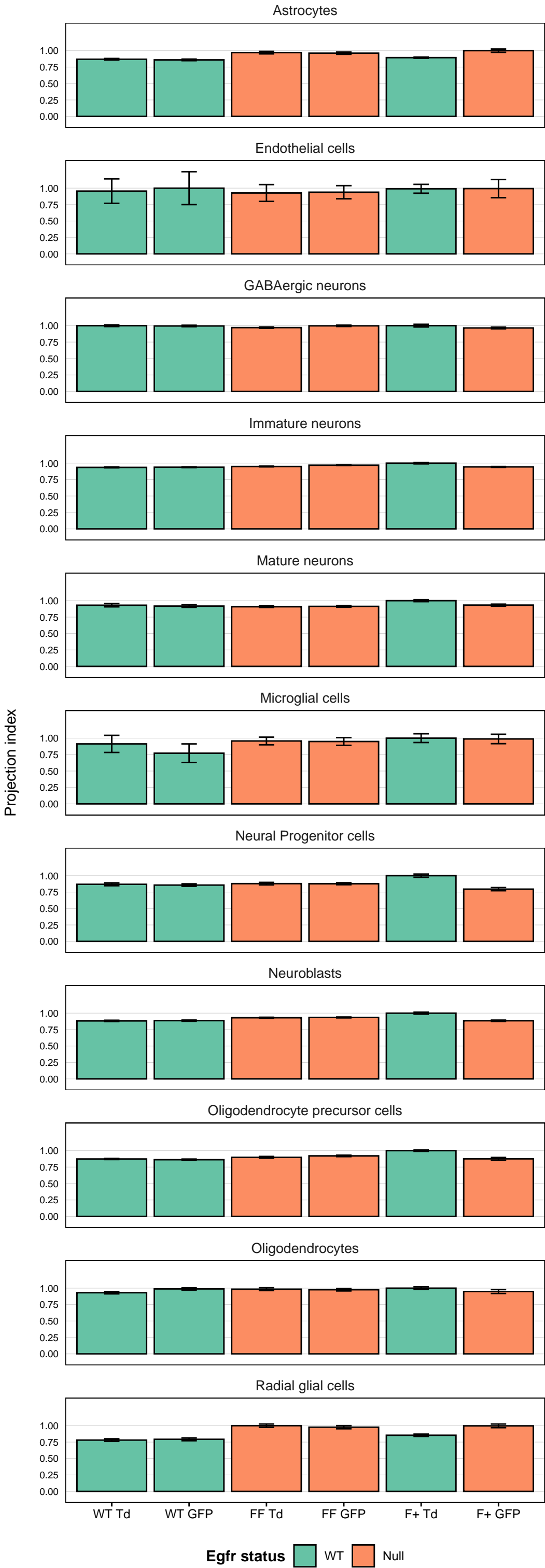




Top genes by kME

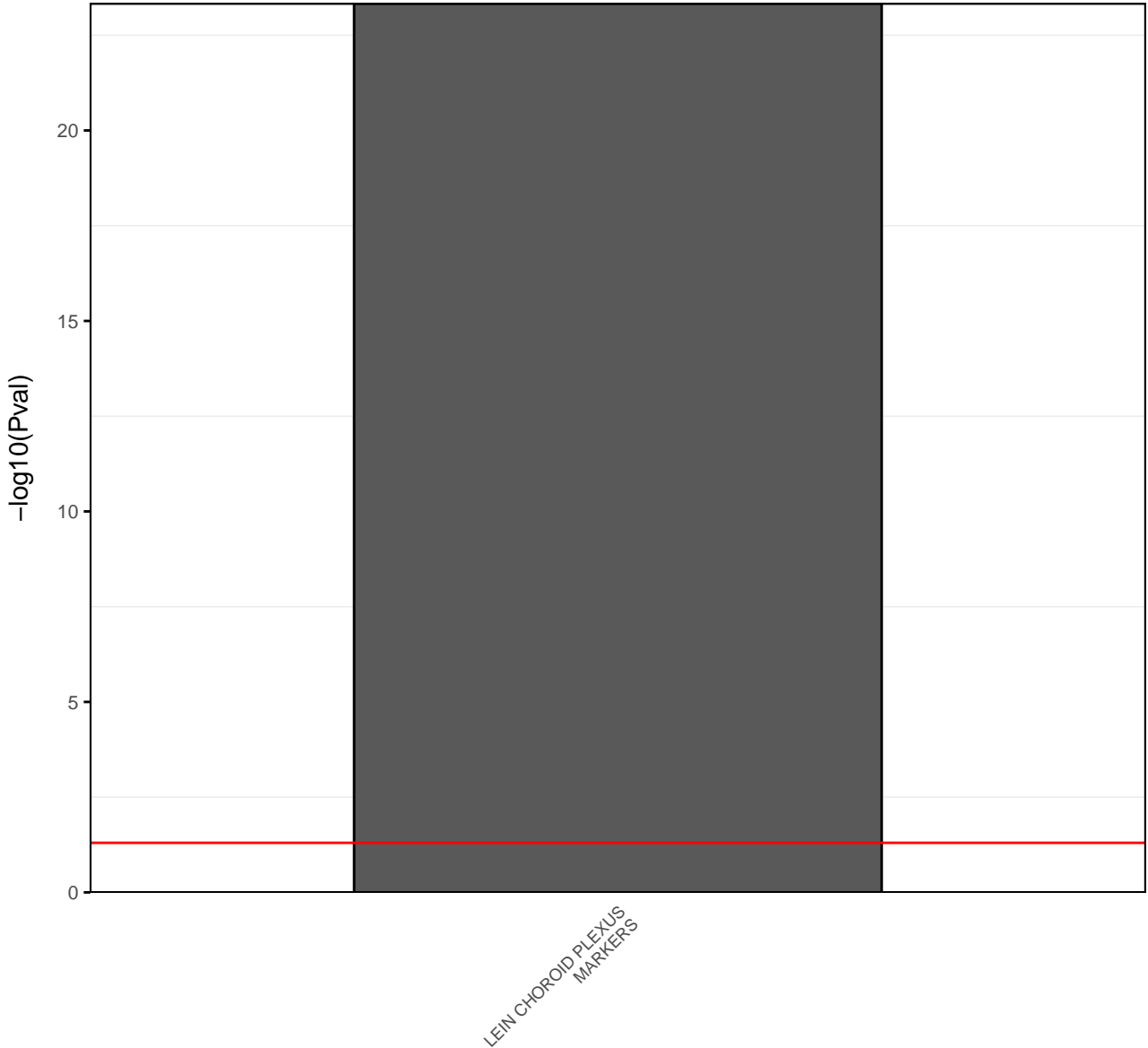
Ik
Gm7324
Rab8a
Mfap1a
Zfp1
Pa2g4
Nono
Gripap1
Dnajc8
Utp3
Fam98b
Tlk2
Fxr1
Ccgc173
Topors
Ncl
Cwc15
Gas8
Ddx27
Safb

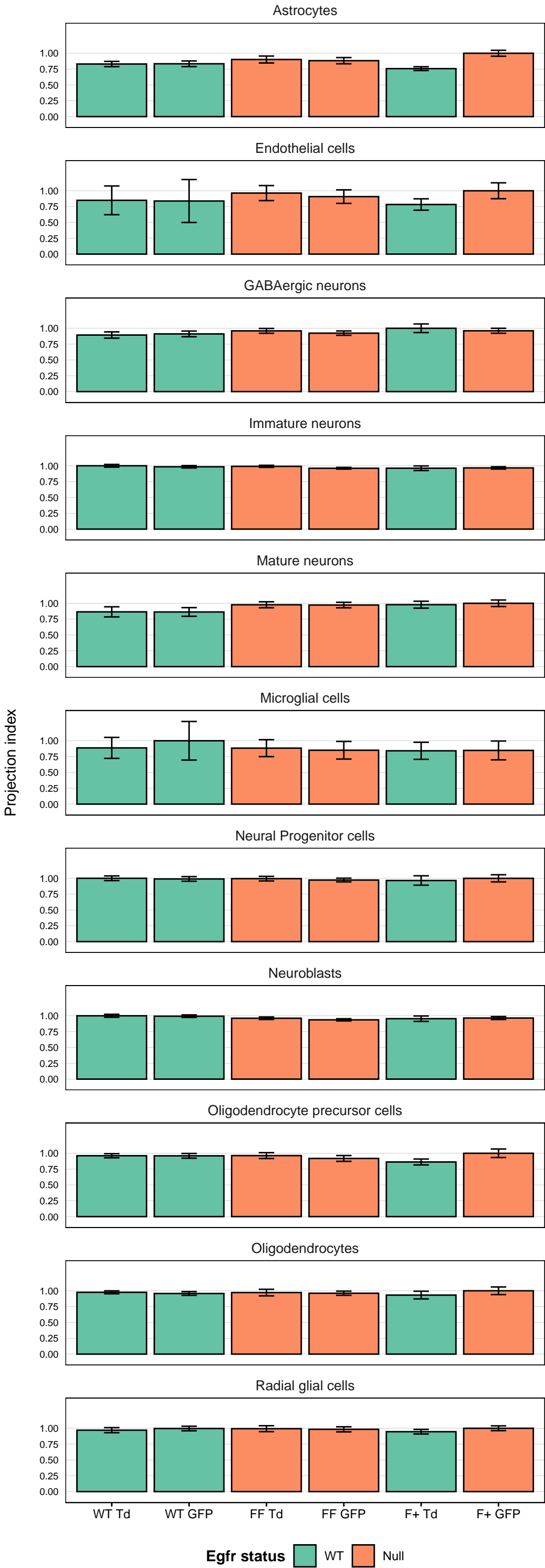




Top genes by kME

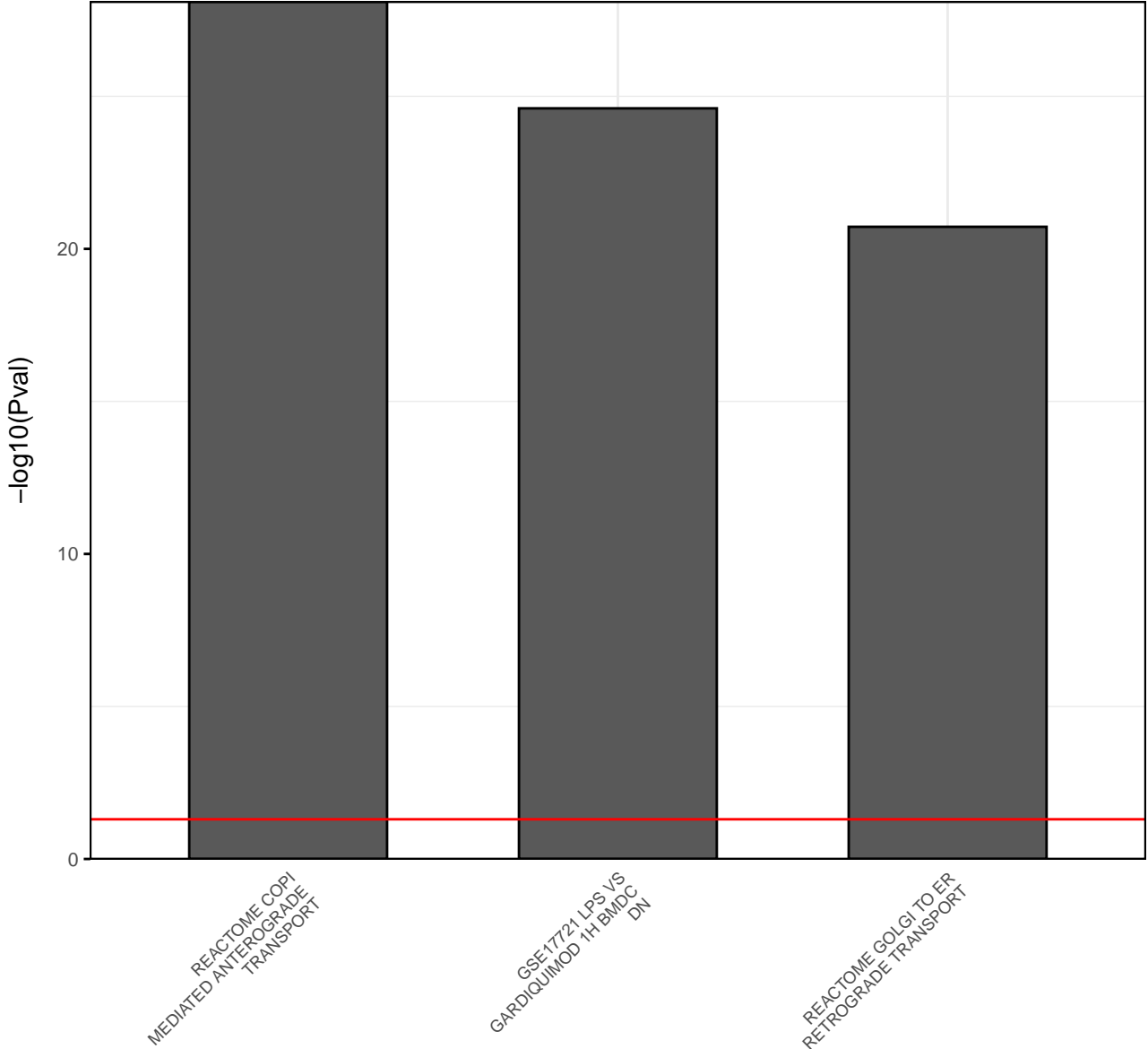
Clic6
F5
Cldn2
Otx2
Krt18
Kl
Wfikkn2
Itprp
Ttr
Iqgap2
Mfrp
Sgms2
Appl2
Slc4a5
Tmem72
Kcnk6
Rorc
Steap1
Cpt1b
Kcne2





Top genes by kME

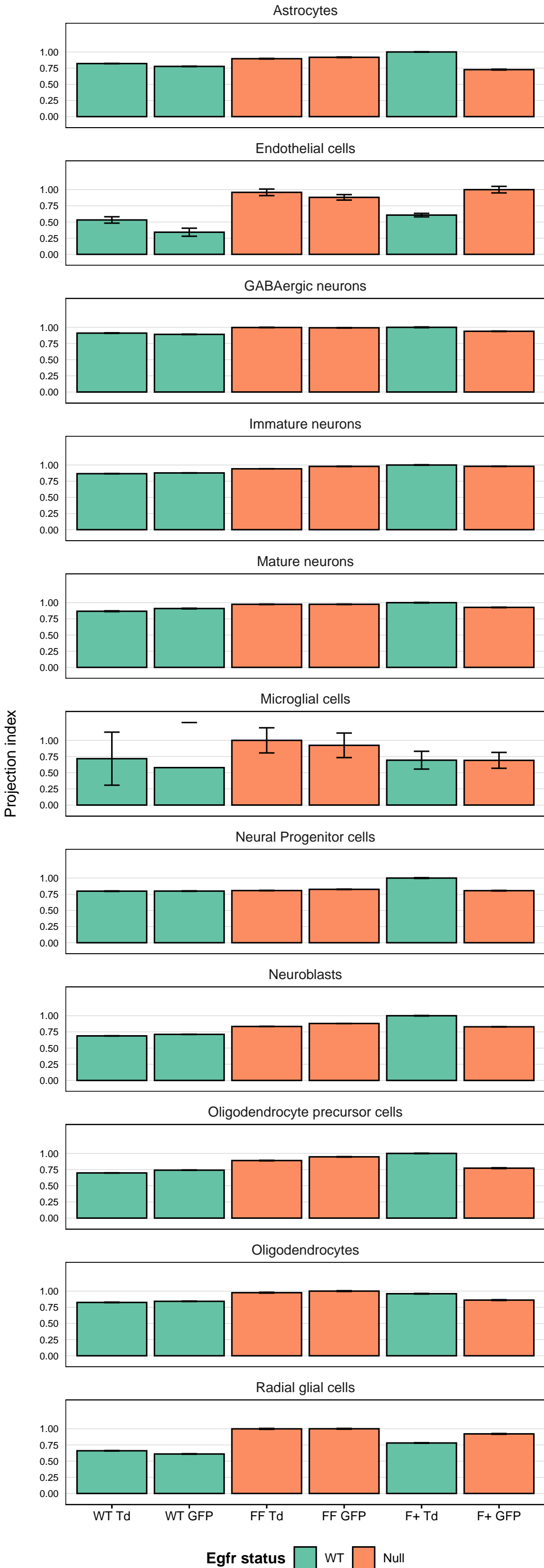
Traf6
Avl9
Klhl24
Rsb1
Fbxo30
Rc3h1
Pde3b
Chuk
Myt1
Crebzf
Ints6
Miip
Zmym6
Ccnl2
Tll4
Chic1
G2e3
Trp5inp1
Trpm7
Arhgap19



darkred module

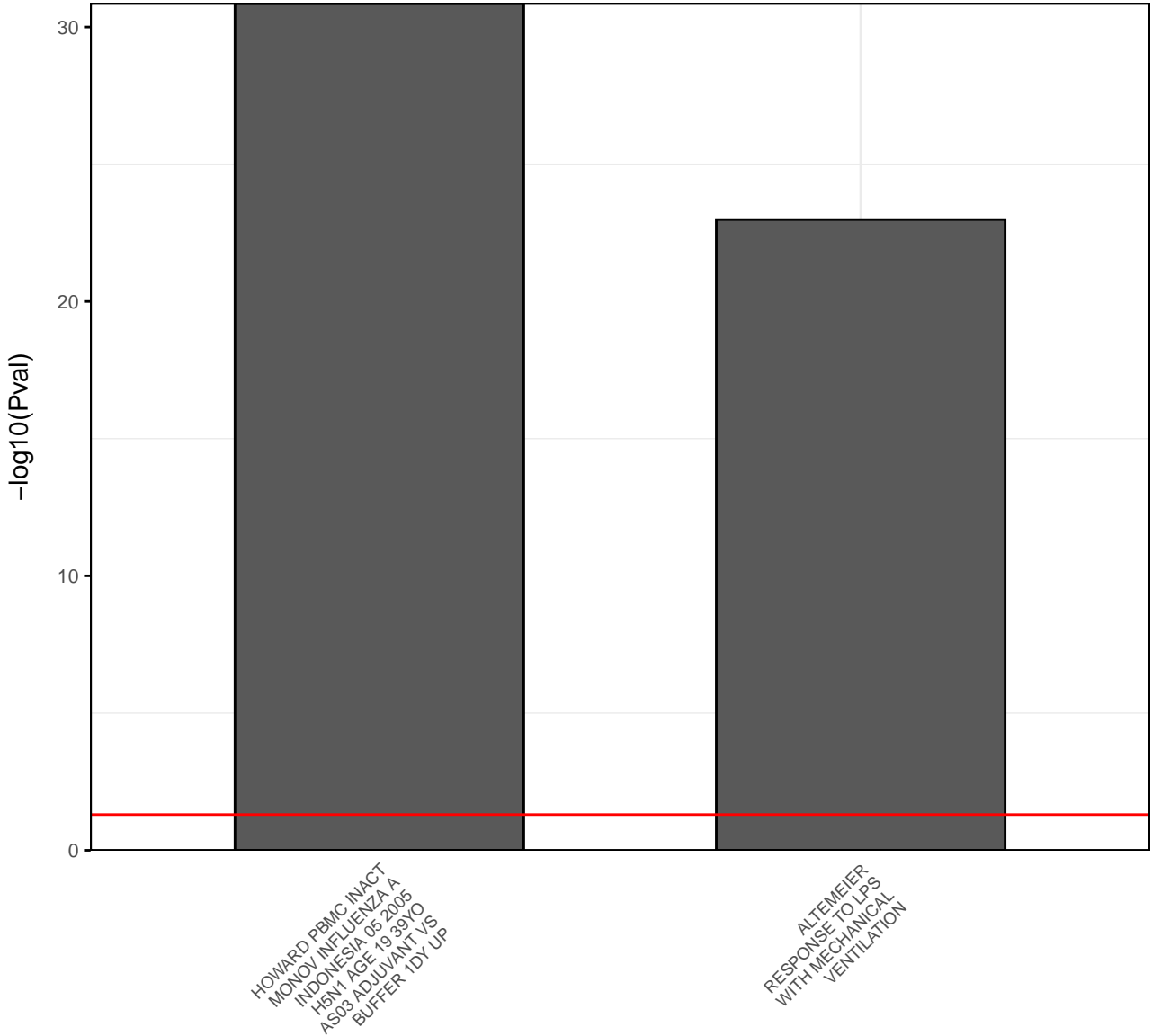
Top 100 by kME

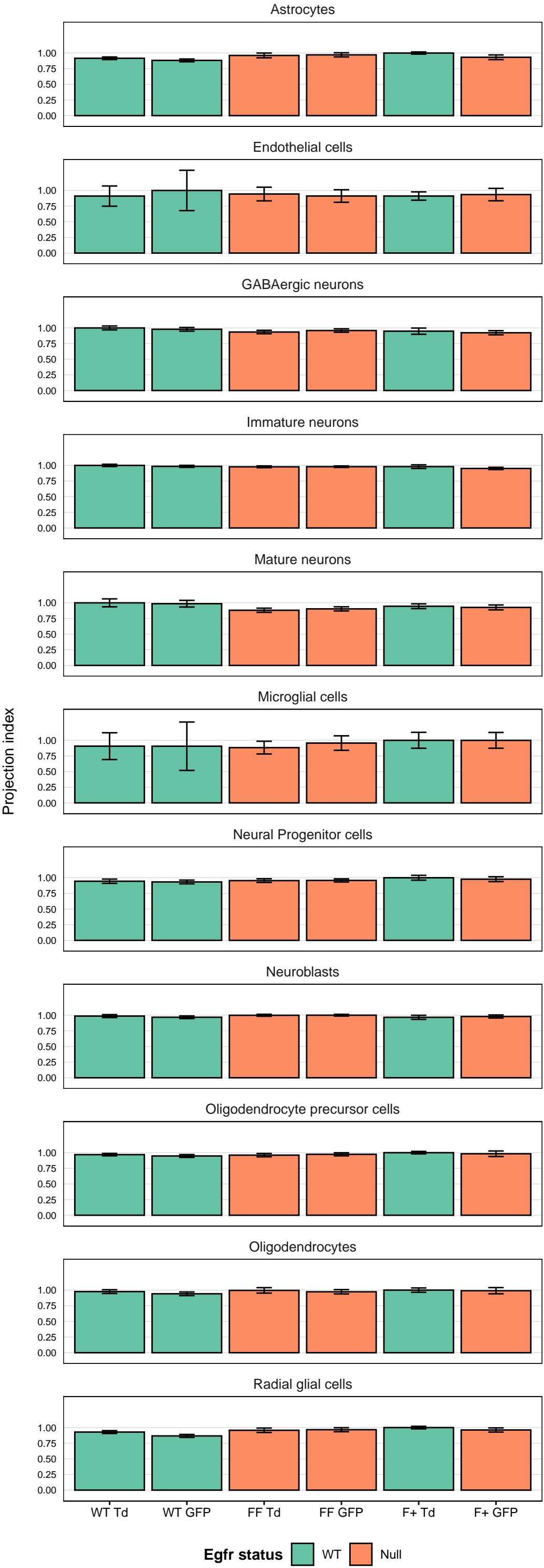
Bicor-None_signum0.643_minSize8_merge_ME_0.85_18566



Top genes by kME

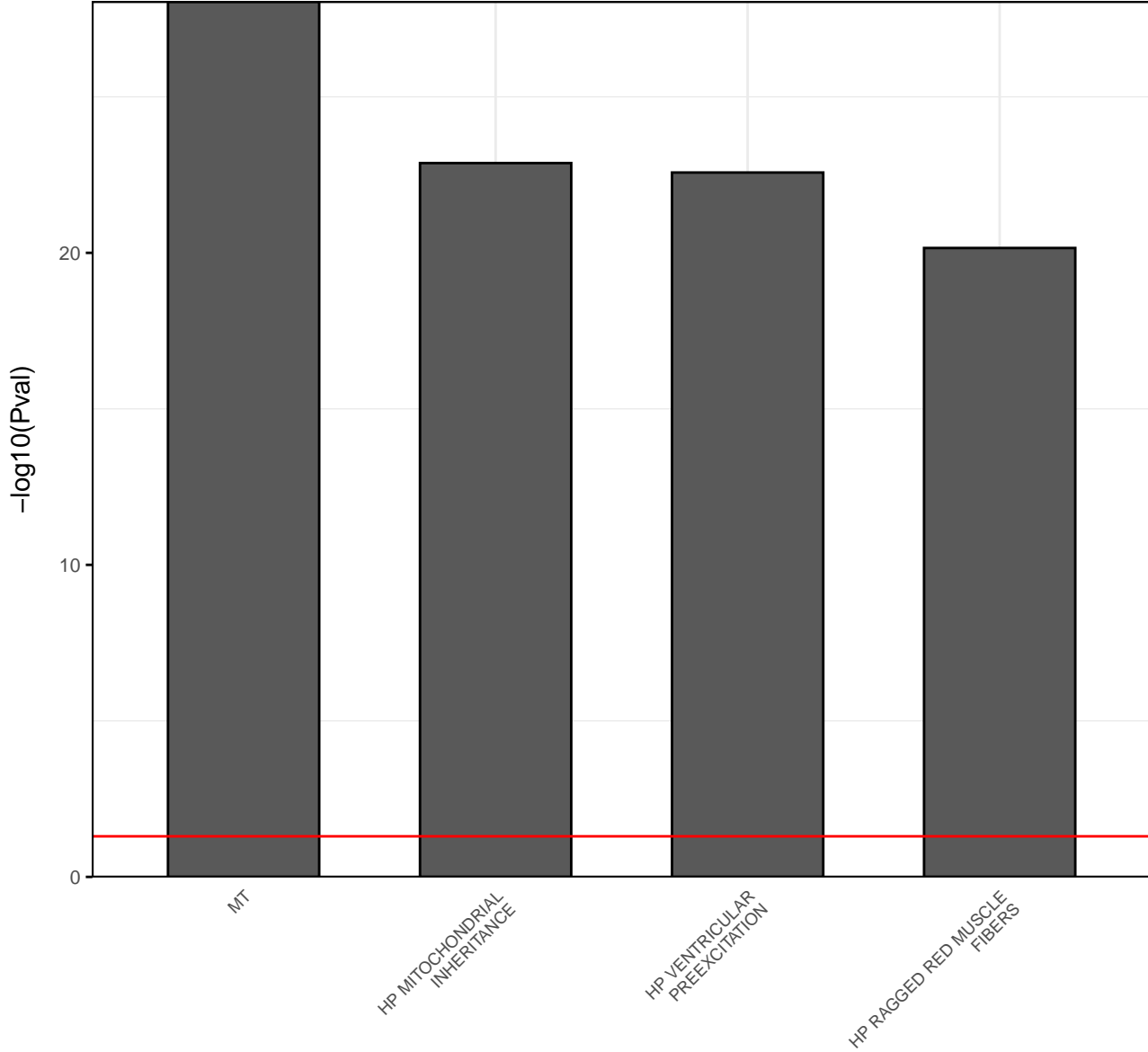
Zbp1
C3
Ms4a4c
Plac8
Saa3
Hp
Gm12971
Plbd1
Cfb
Ifi211
F10
Il1b
Oasl1
Fpr3
Ifi204
Isg15
Gpr141
Fgr
Gm15579
Gm19299



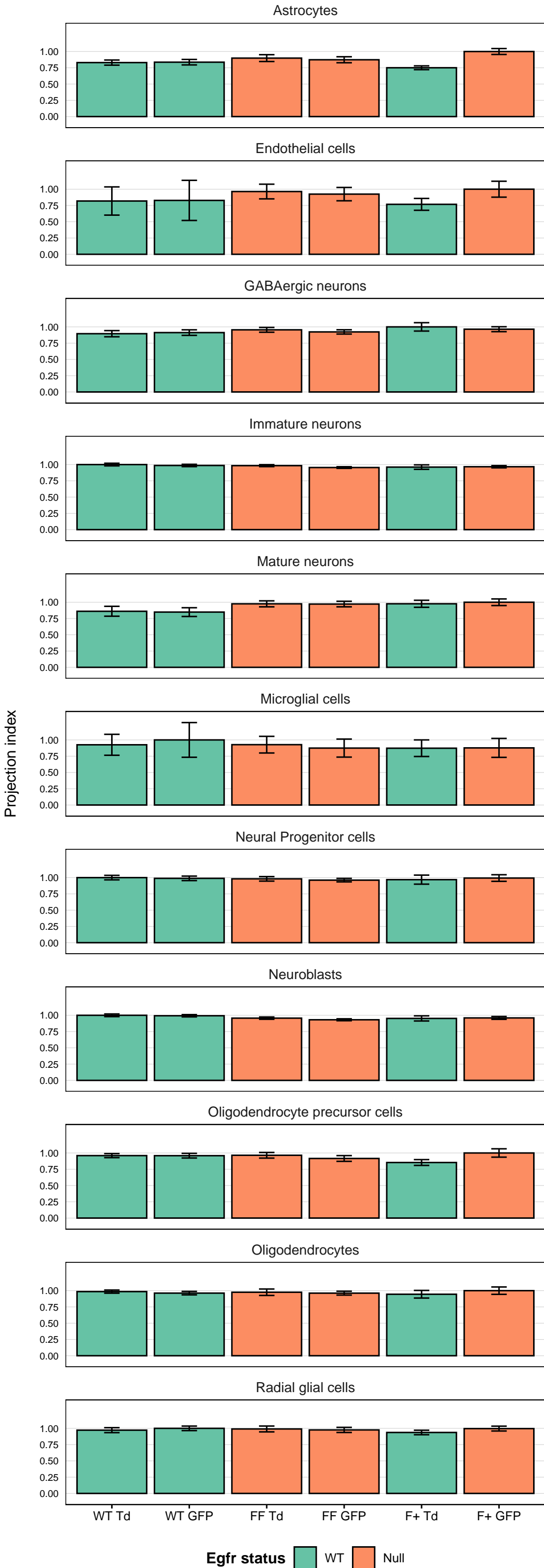


Top genes by kME

- 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

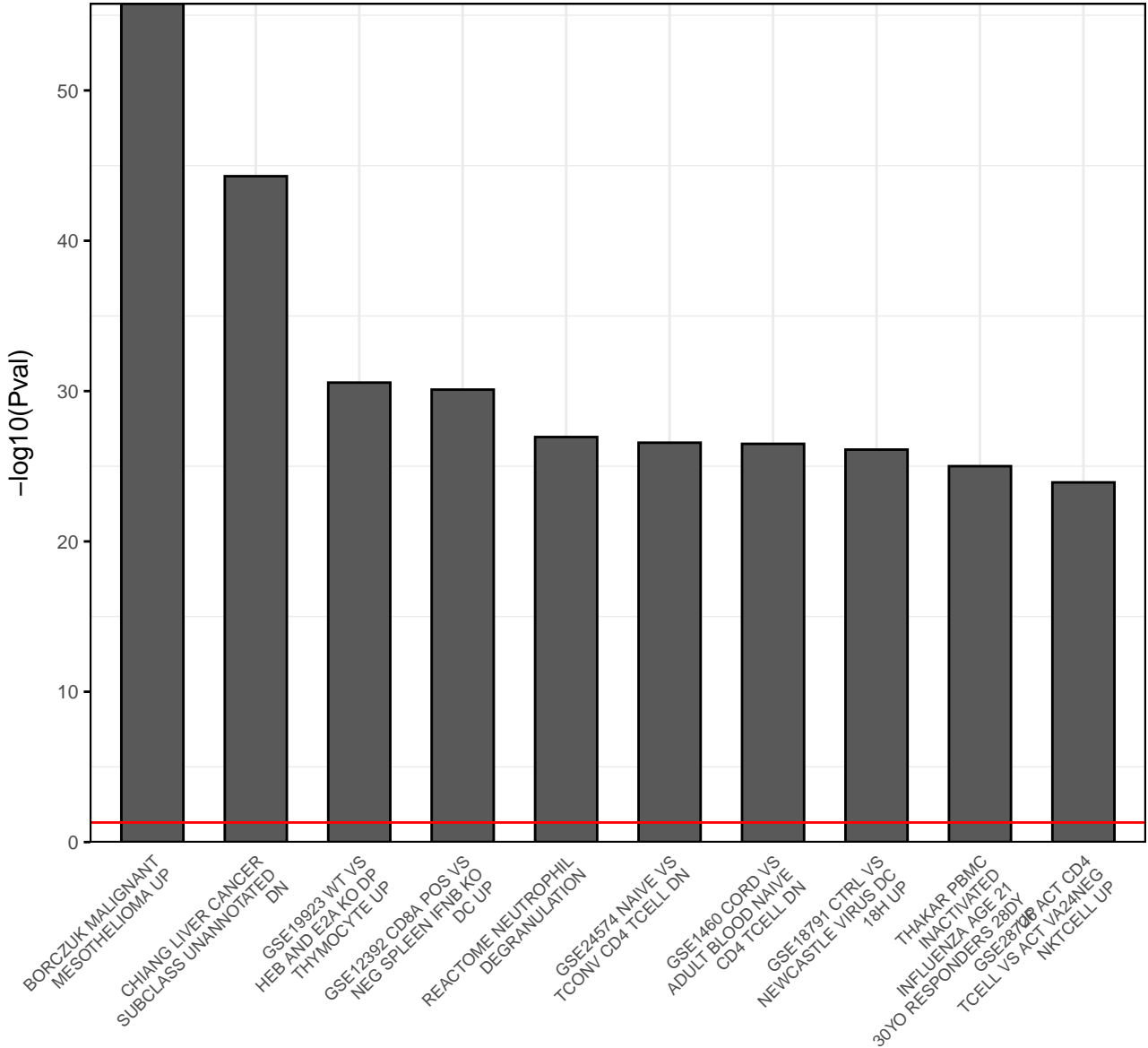


turquoise module
Top 100 by kME
Bicor-None_signum0.643_minSize15_merge_ME_0.85_18566



Top genes by kME

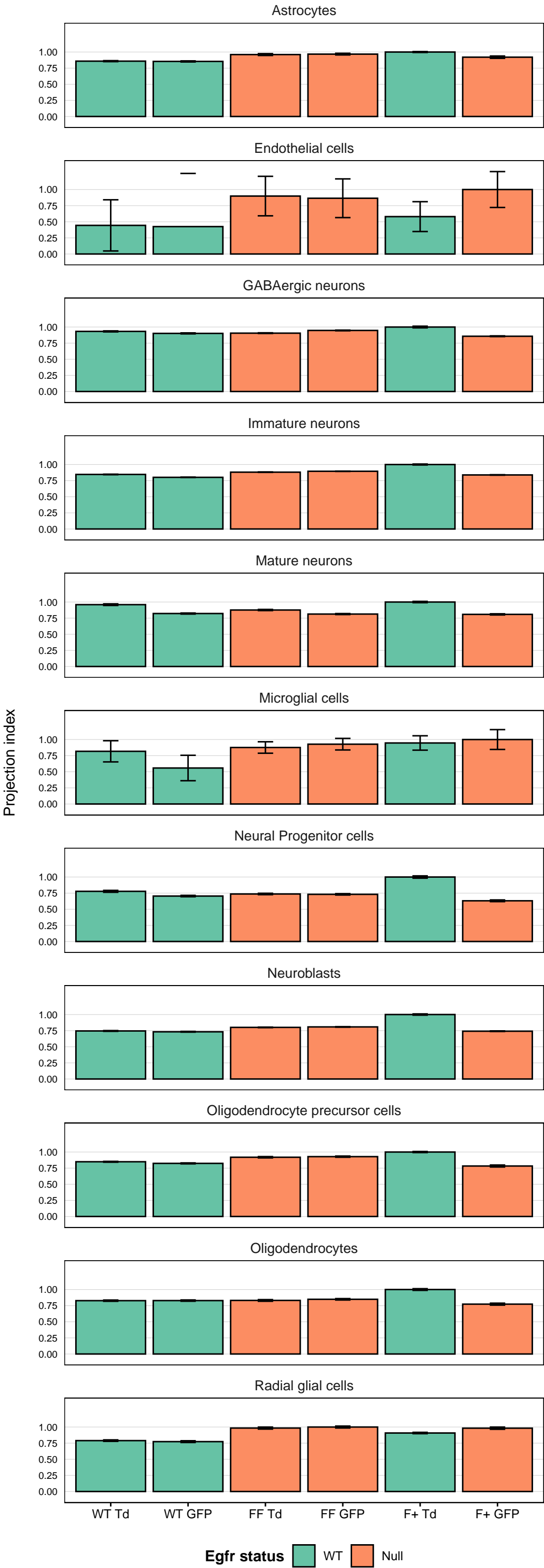
Tnr
Syt6
Shroom1
Grid2
Slc30a3
Gm46633
Chrm2
Adamts18
Tdo2
Tcerg1l
Tacr1
Gprn3
Zfp827
Cwh43
2700069118Rik
Plcb4
Susd5
Gnal
Bhlhe40
Mc4r



yellow module

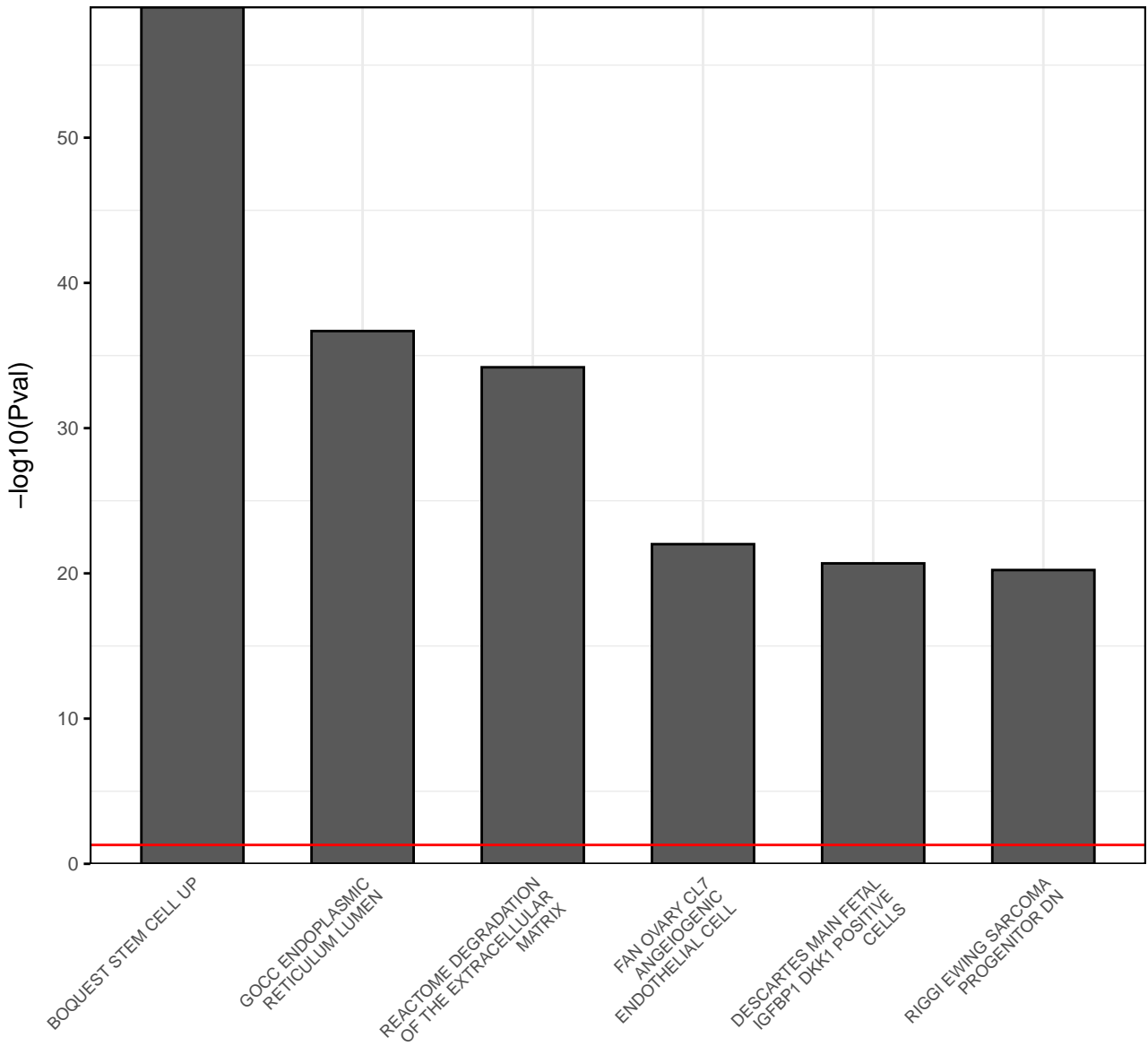
Top 100 by kME

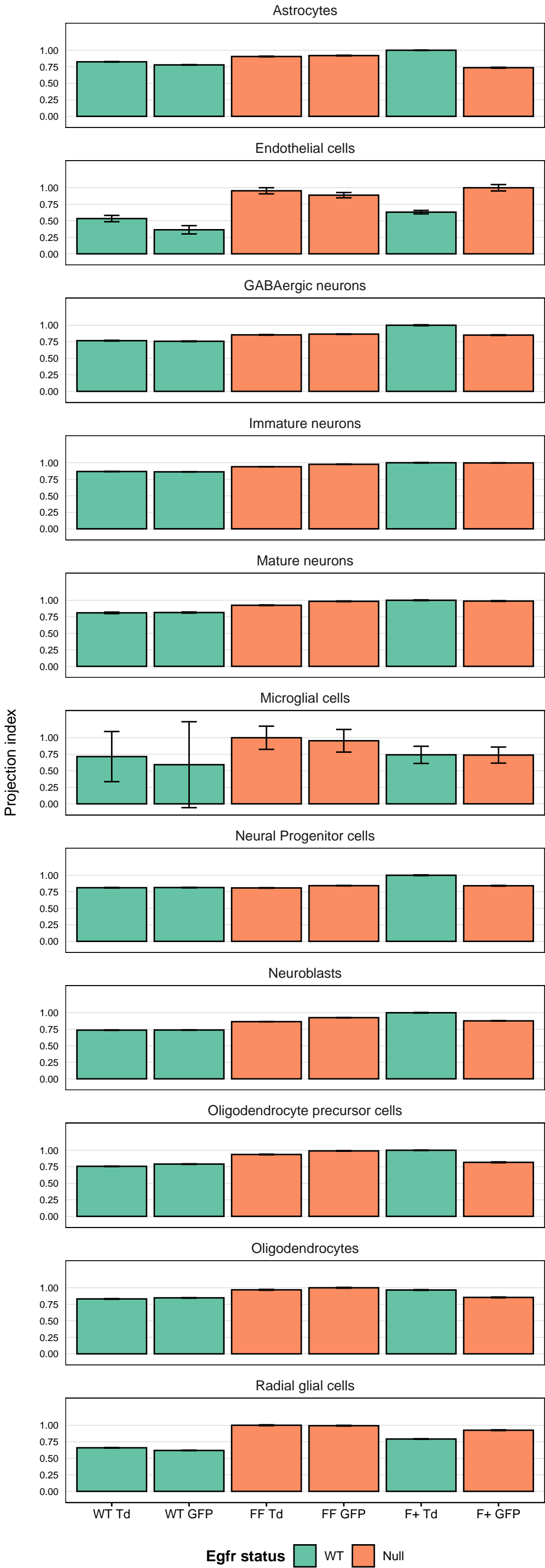
Bicor=None_signum0.643_minSize15_merge_ME_0.85_18566



Top genes by kME

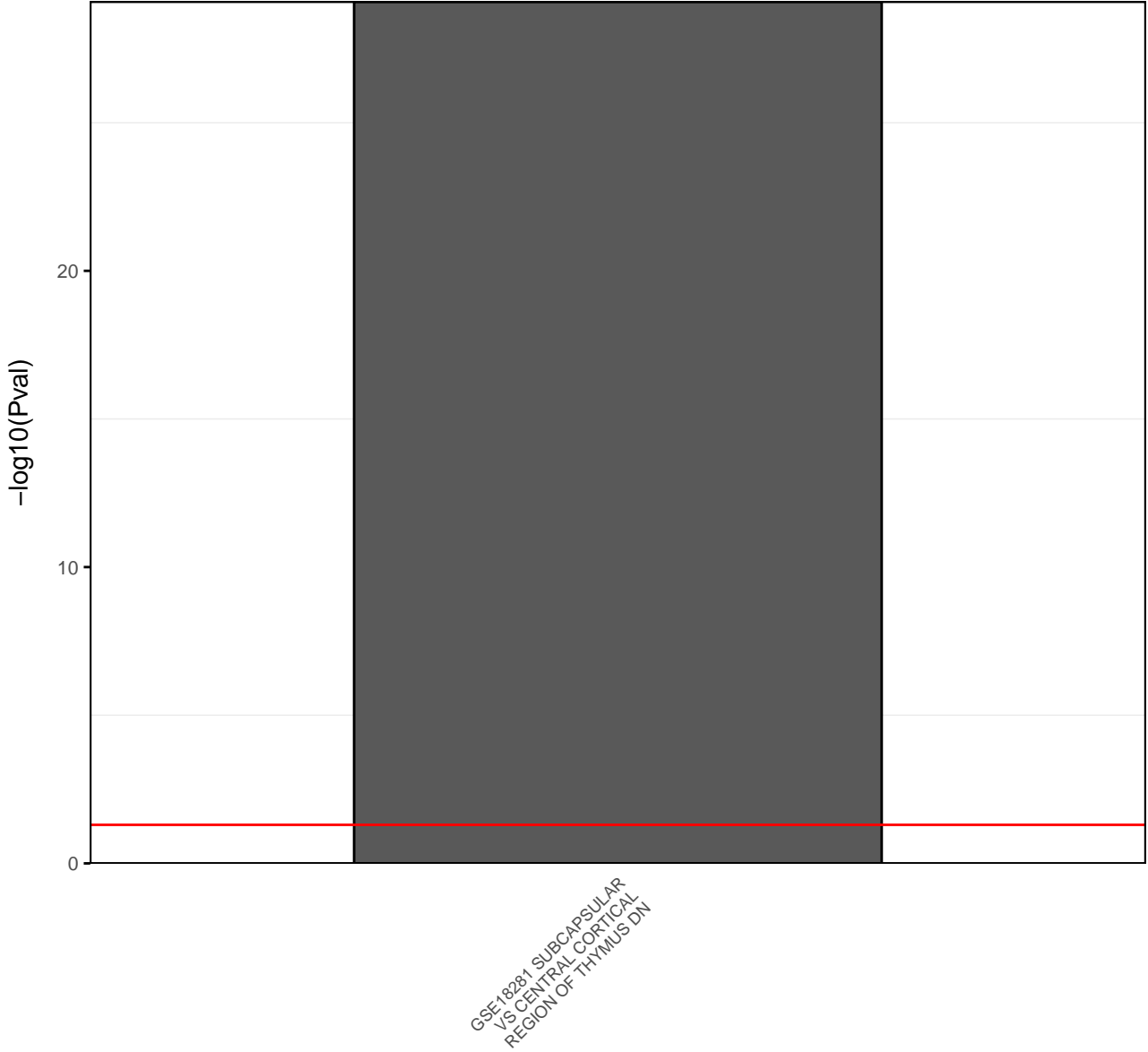
Inhbc
Tnfsf4
Trcg1
Far1os
5430427M07Rik
9030622O22Rik
Gm13405
Gm17233
Gm17545
Gm17234
Gm20496
2310030A07Rik
Gm29290
Gm28675
Gm43464
Gm42560
Gm10280
Gm49454
Gm47507
Gm47914



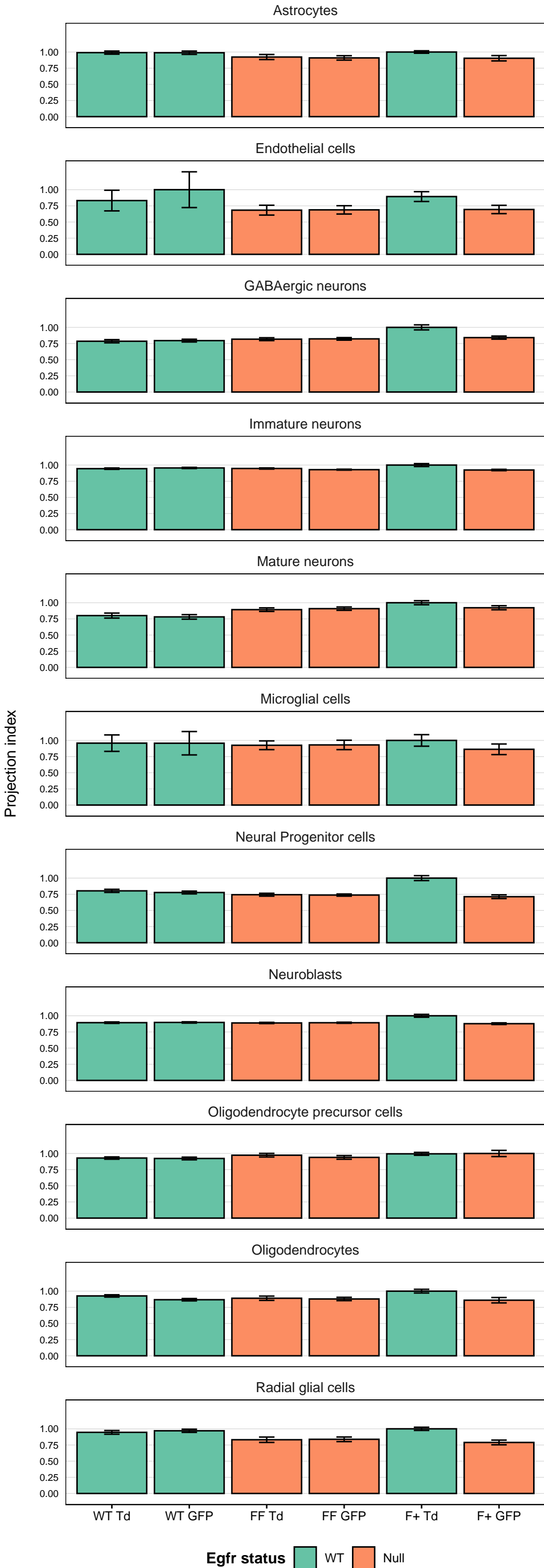


Top genes by kME

Ms4a4c
Saa3
Zbp1
Gm12971
C3
Cfb
Plac8
F10
Hp
Fgr
Fpr3
Plbd1
Ifi211
Il1b
Gpr141
Gm19299
Nfe2
Gm15579
Isg15
Gm20658

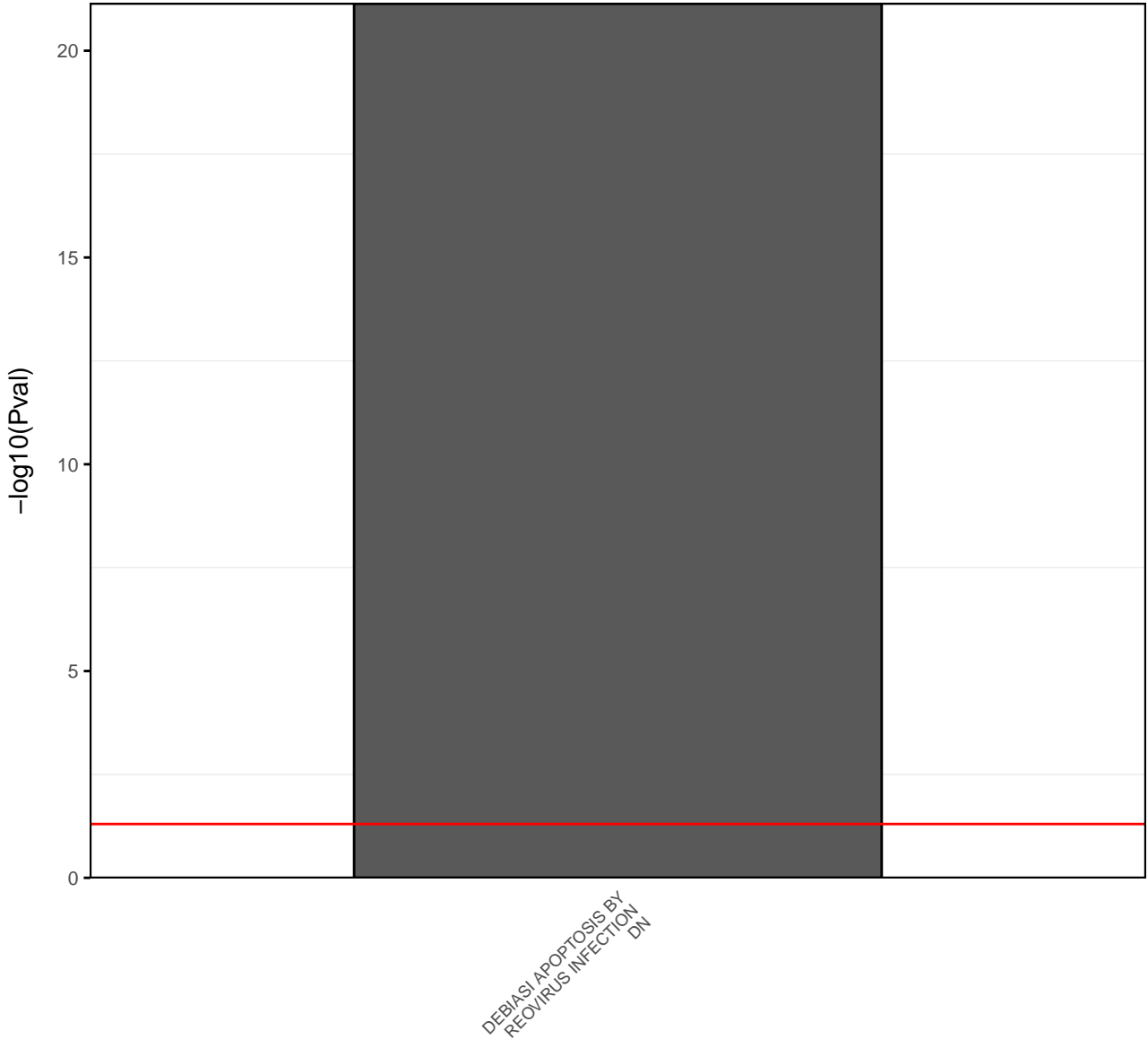


purple module
Top 100 by kME
Bicor-None_signum0.551_minSize12_merge_ME_0.85_18566

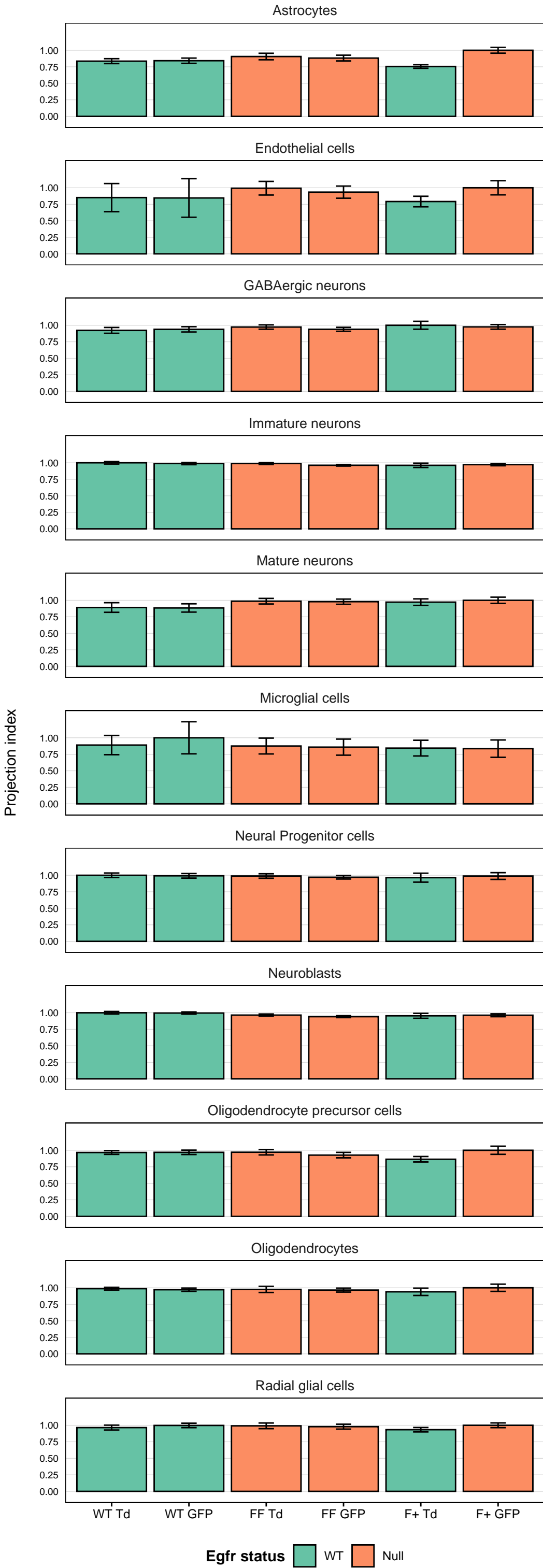


Top genes by kME

Cs
Aldh5a1
Spock2
Tecpr1
Foxk2
Rasl10b
Paqr7
Abcb9
Adcy3
Adamts12
Tmem229a
Acsbg1
Gpm
Metrn
Ccdc85c
Acsl6
Ube2o
Fads6
Scarb1
Snx19

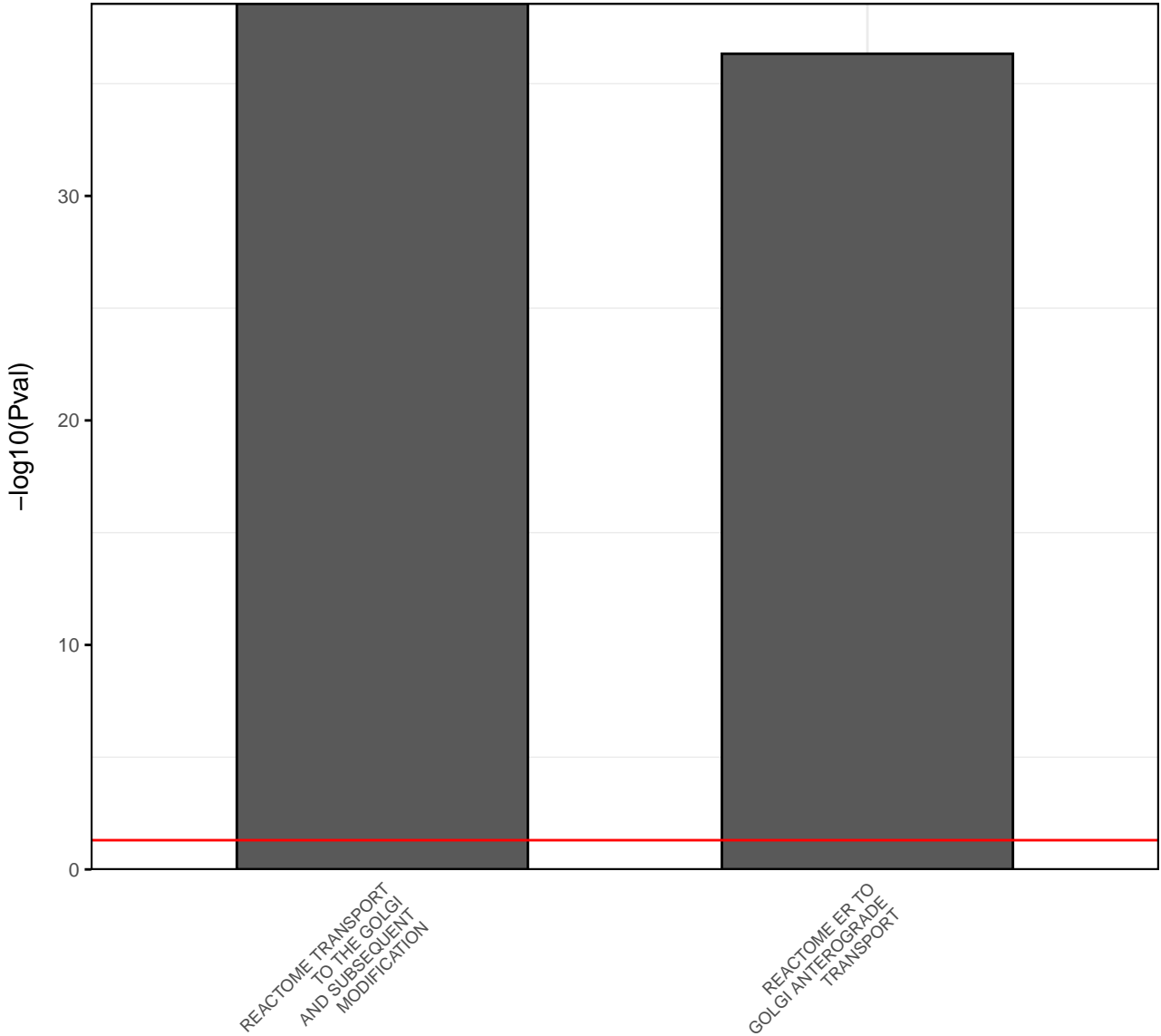


turquoise module
Top 100 by kME
Bicor-None_signum0.551_minSize12_merge_ME_0.85_18566

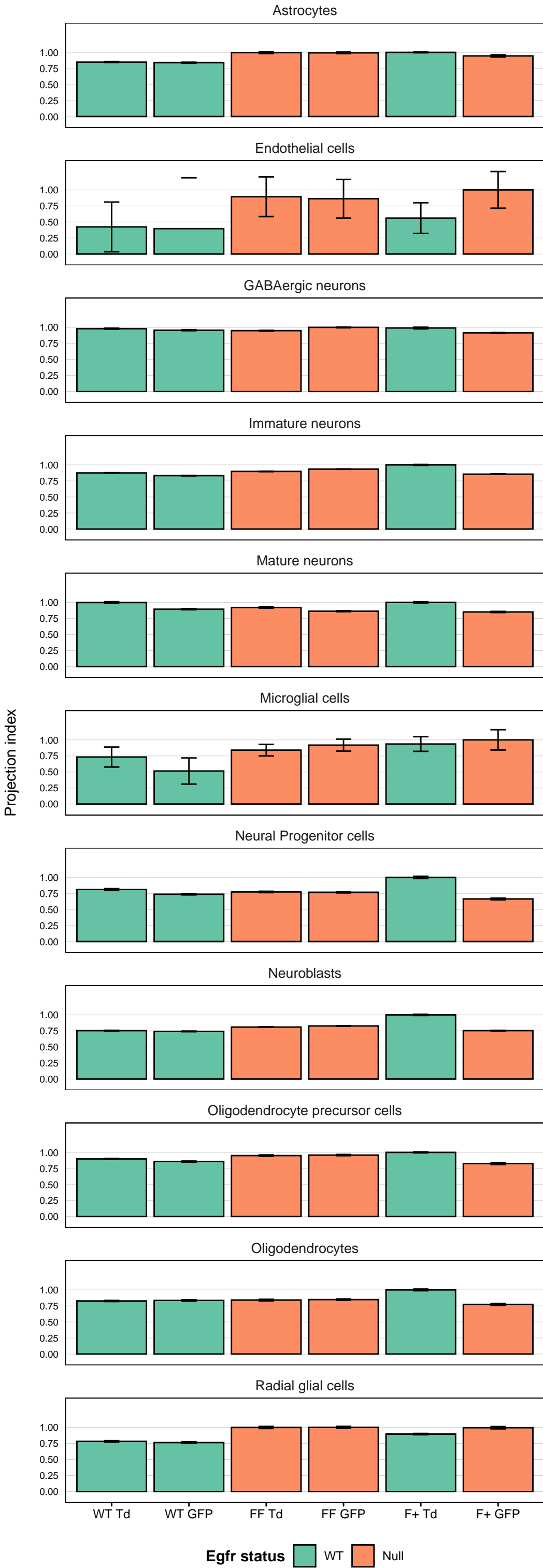


Top genes by kME

Nxpe5
Syt13
Ccn3
Zfp941
Gm27008
Grem2
Gm6602
Camk2d
Slc22a18
Aass
Alx1
Wfs1
Slc27a2
Insyn2b
Oxtr
Chodl
Fign
Gm15825
Plek2
Hpcal1

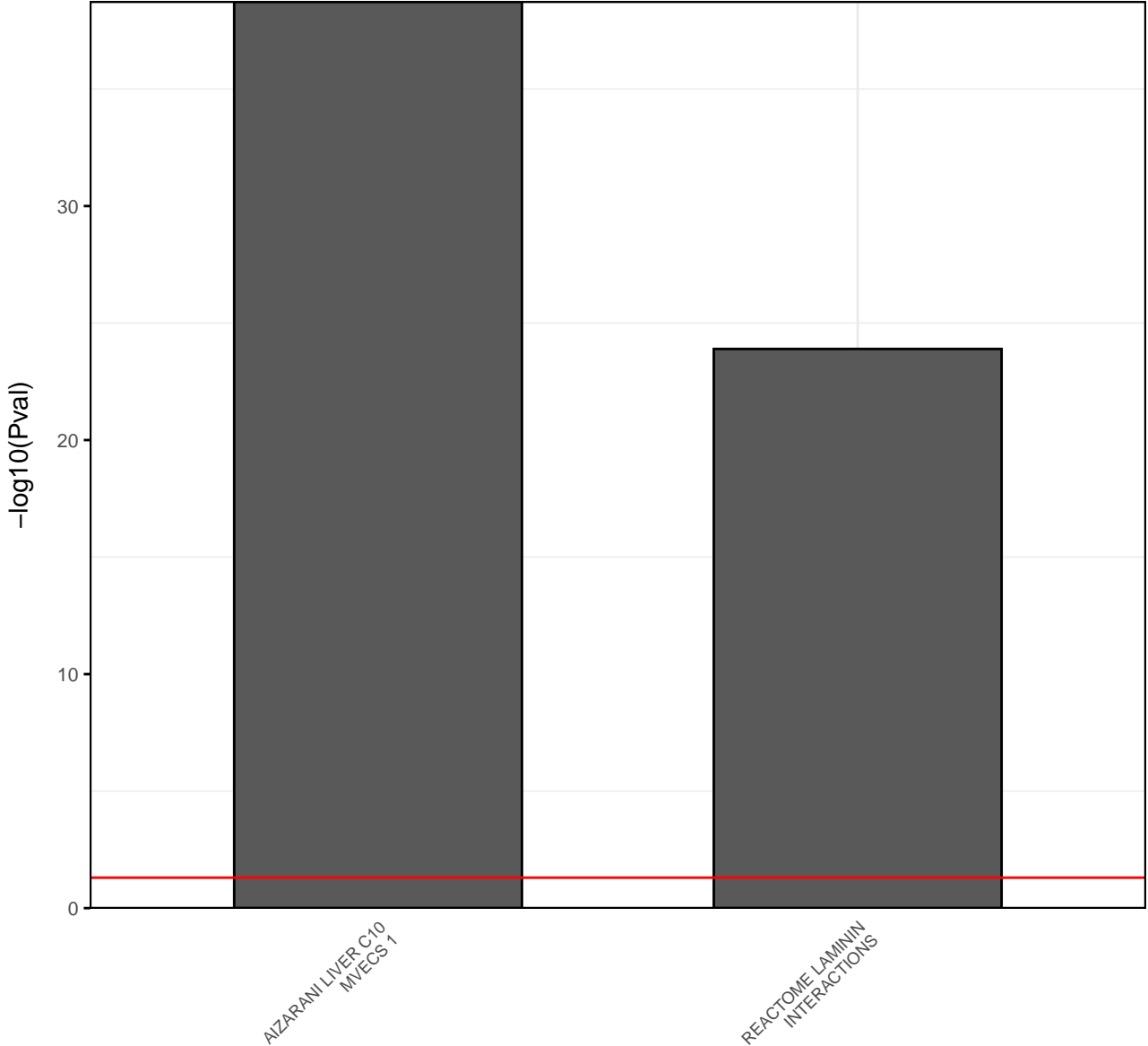


brown module
Top 100 by kME
Bicor-None_signum0.643_minSize12_merge_ME_0.85_18566



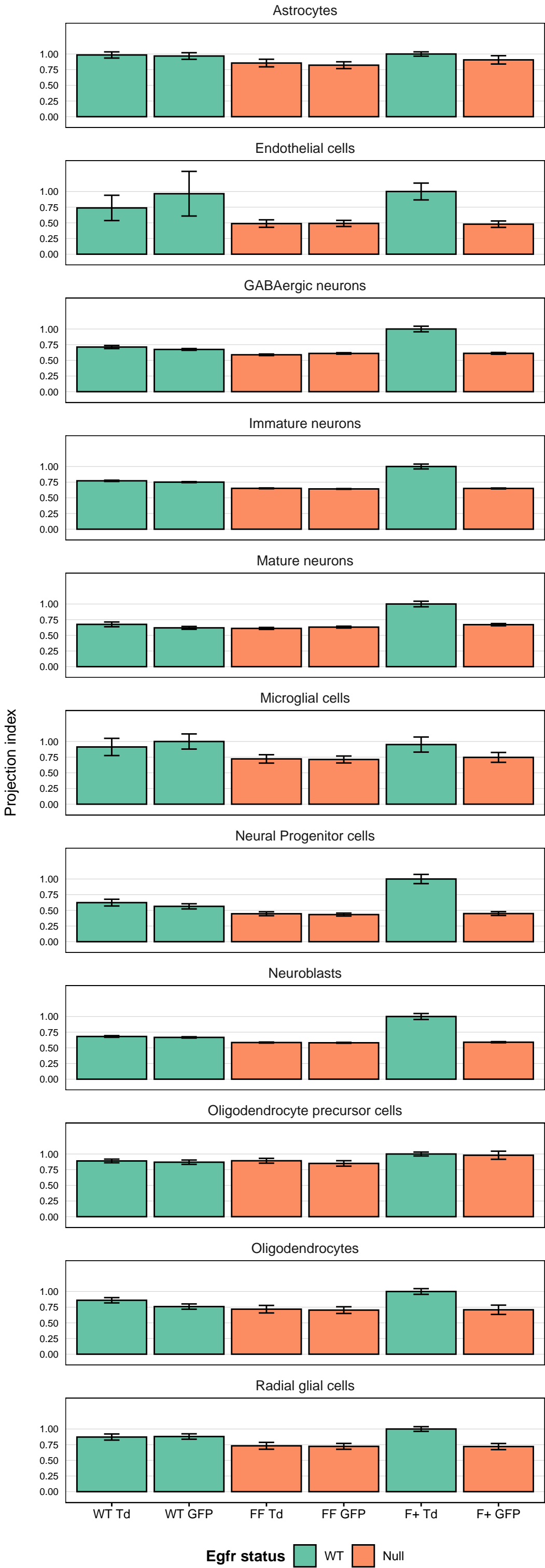
Top genes by kME

Olfml2a
Slc16a12
Slc7a11
Abca9
Bmp7
Colec12
Gabpb2
Col6a1
Wnk4
Cavin1
Bmp5
Fcgrt
Fam43a
Alx4
Foxd1
Slc22a6
Tfpi
Kank2
Ddr2
Shc1



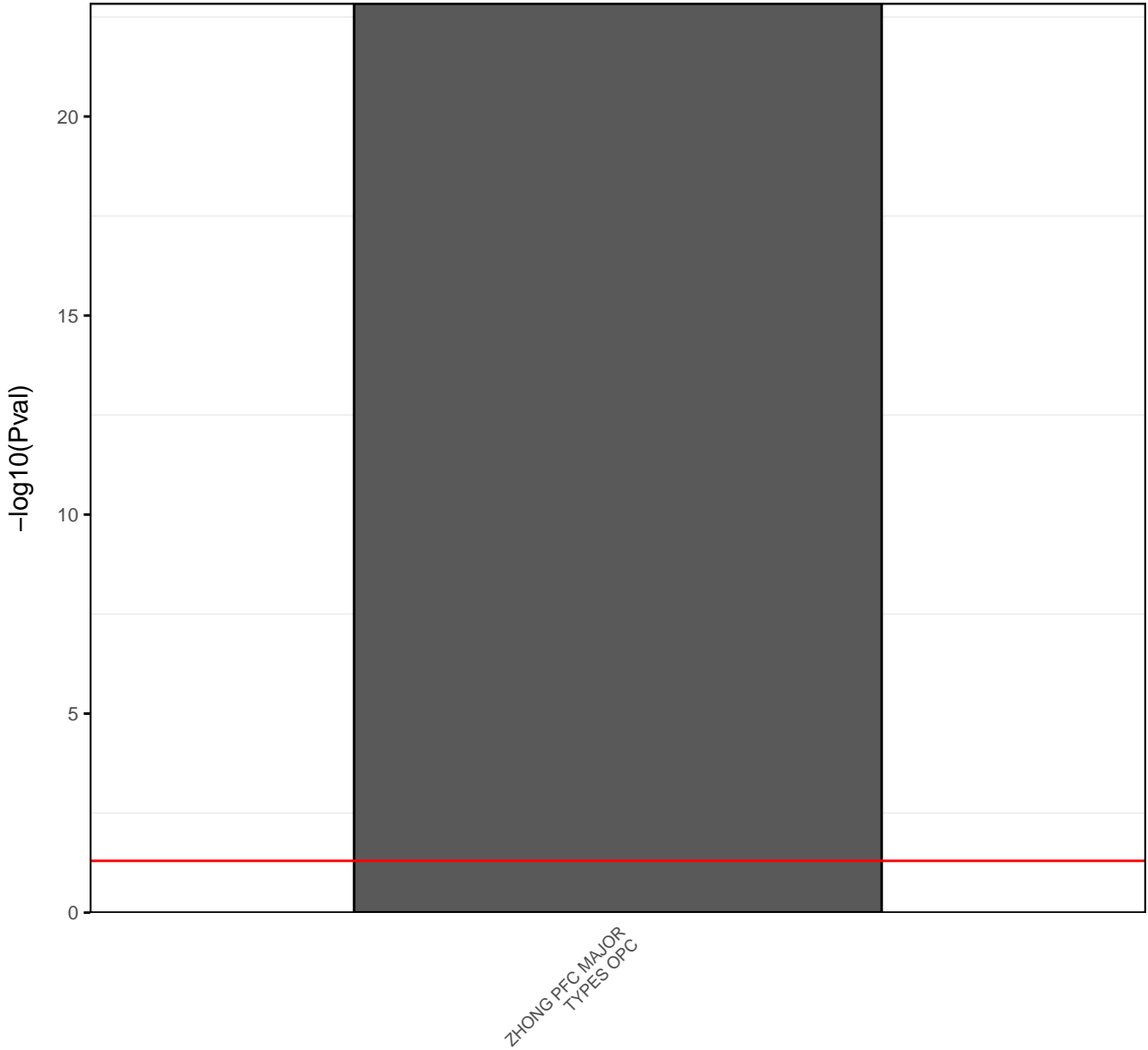
cyan module
Top 100 by kME

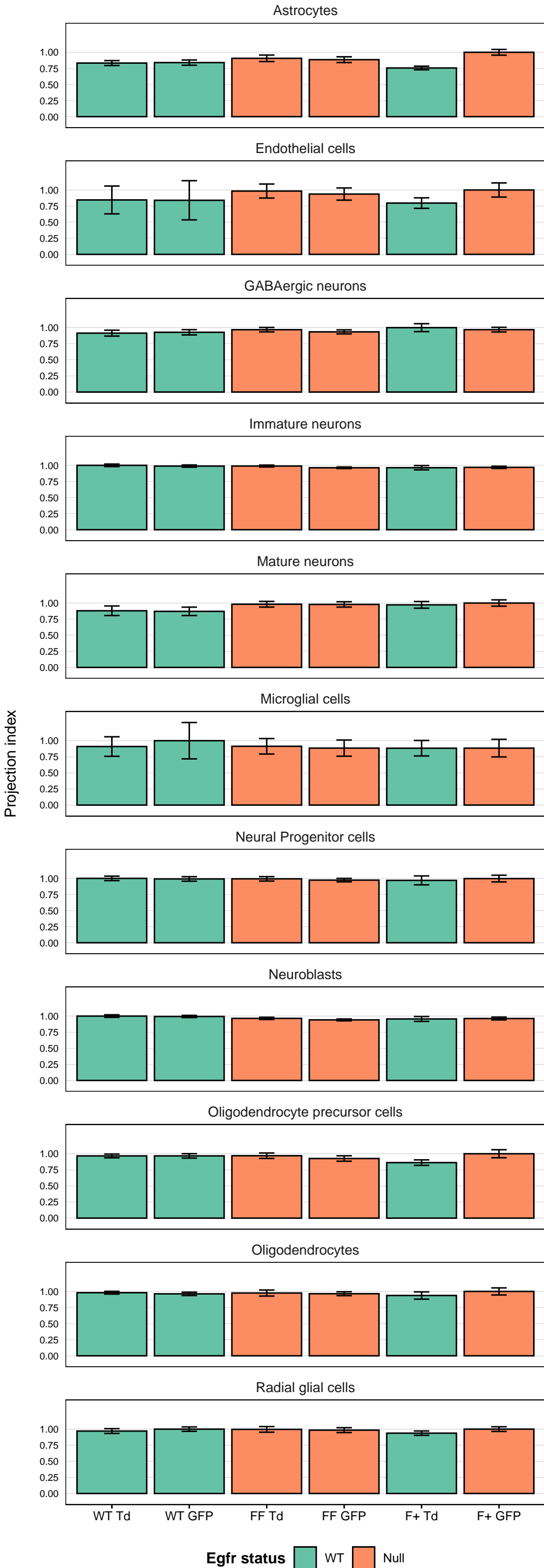
Bicor-None_signum0.643_minSize12_merge_ME_0.85_18566



Top genes by kME

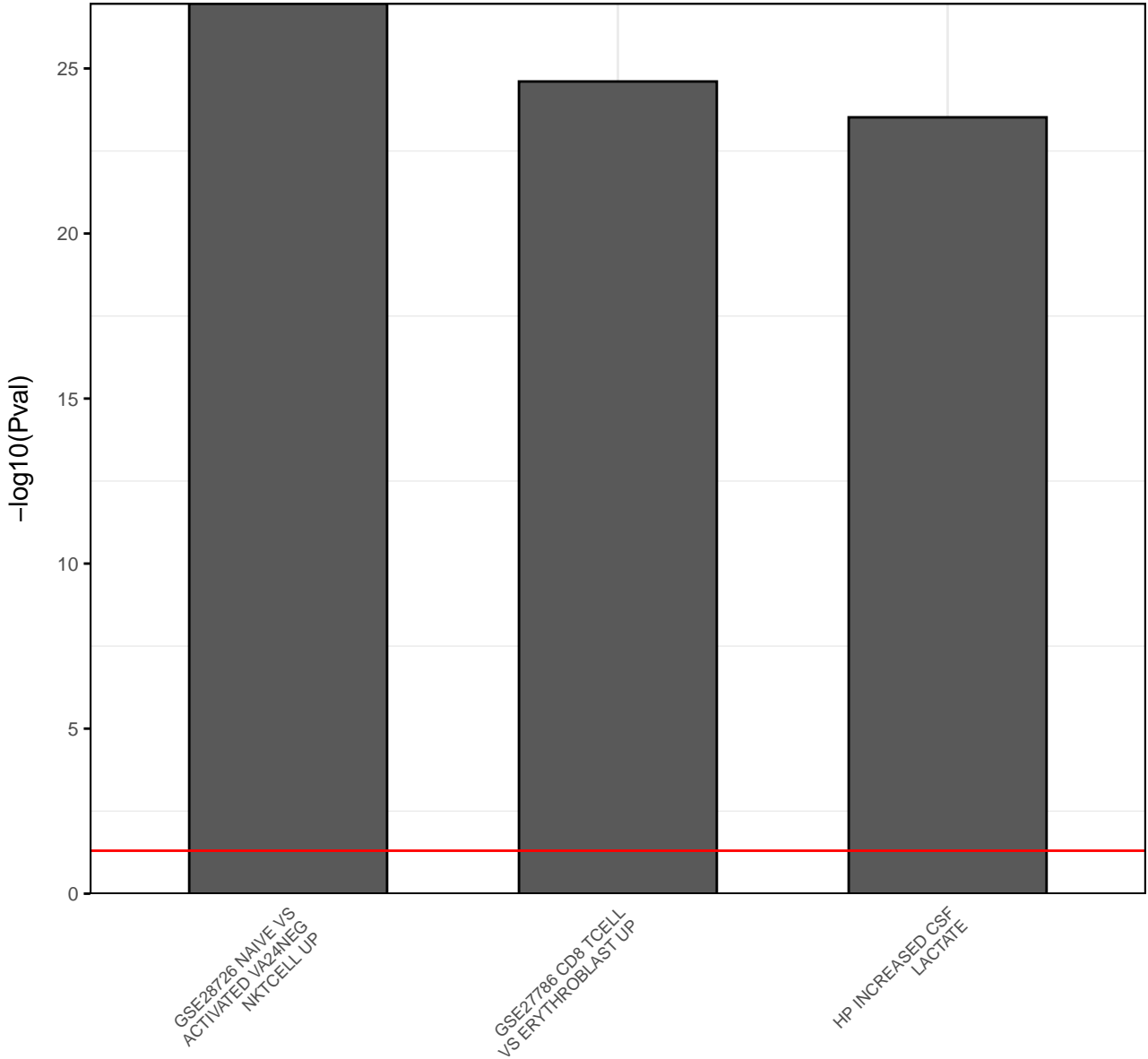
Scd1
Cnp
Slc7a10
Tmem229a
AW047730
Hey1
Sox8
Aldh1l1
Acss2
Fgf1
Paqr7
Timp4
Gpr37l1
Acsbg1
Rlbp1
AU021092
Apln
Meox1
S100a16
Serpine2



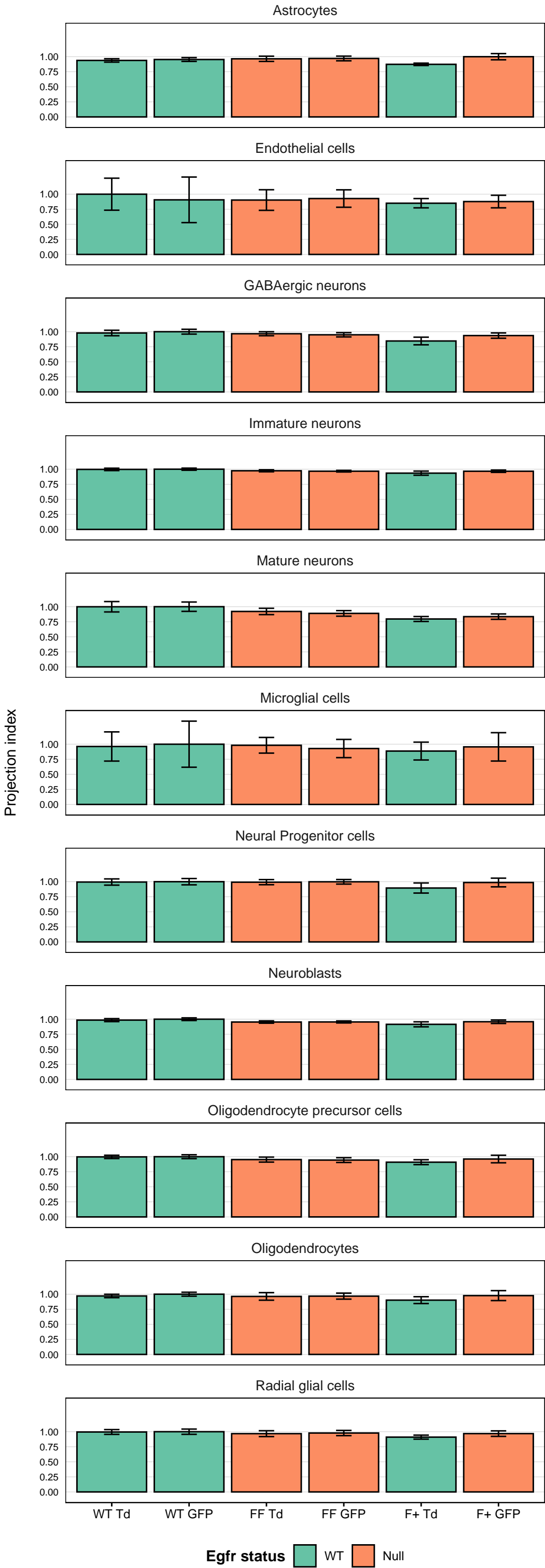


Top genes by kME

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

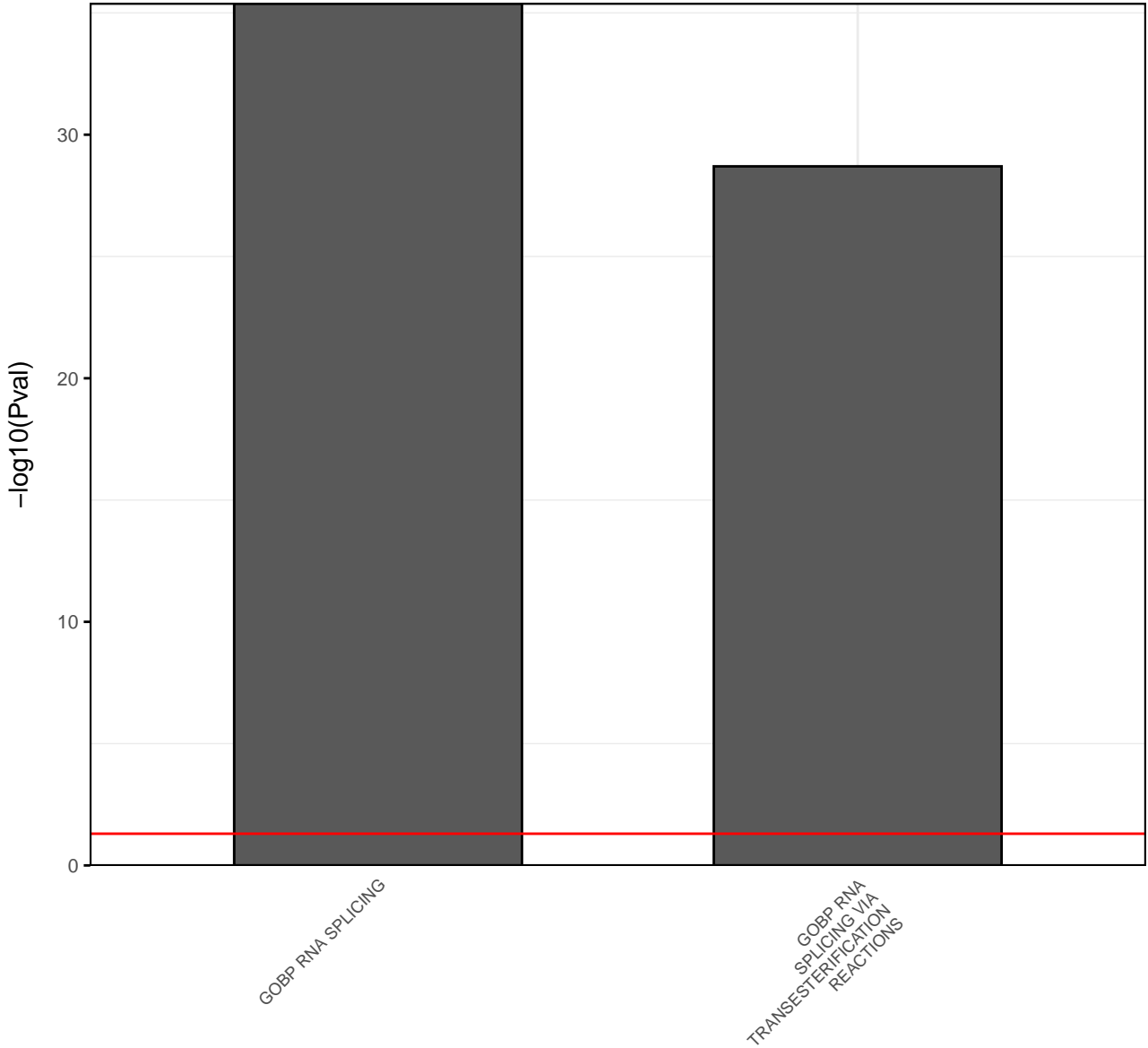


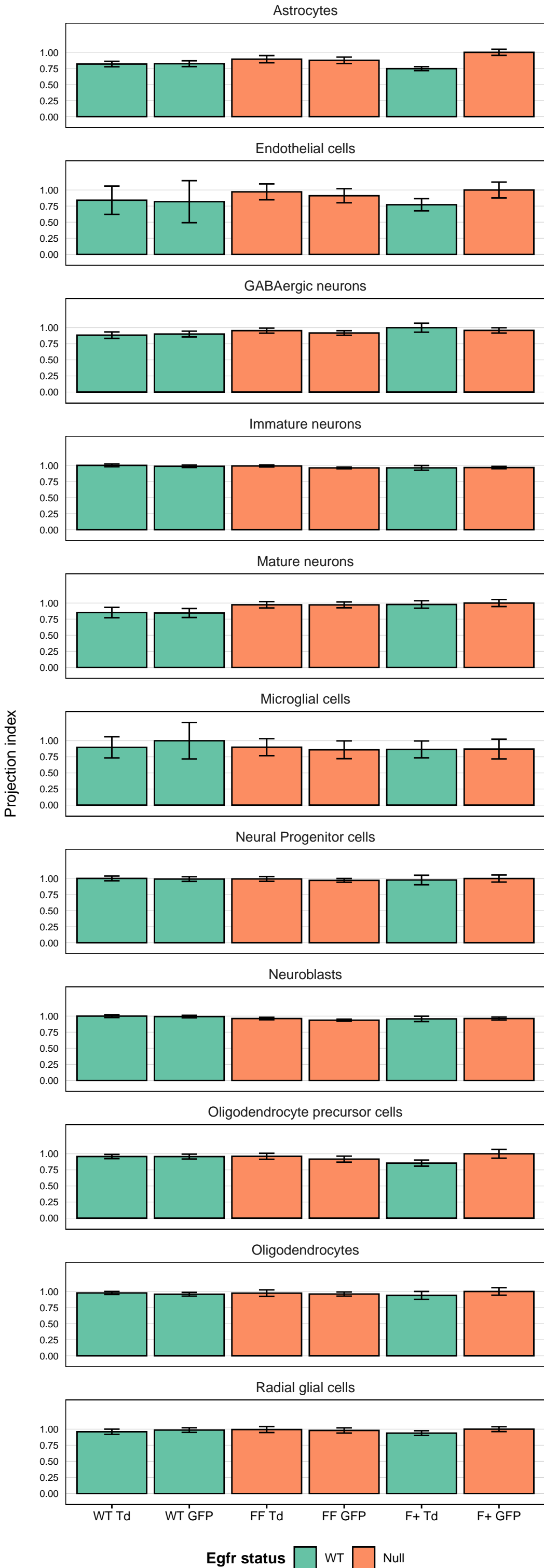
cyan module
Top 100 by kME
Bicor-None_signum0.551_minSize20_merge_ME_0.85_18566



Top genes by kME

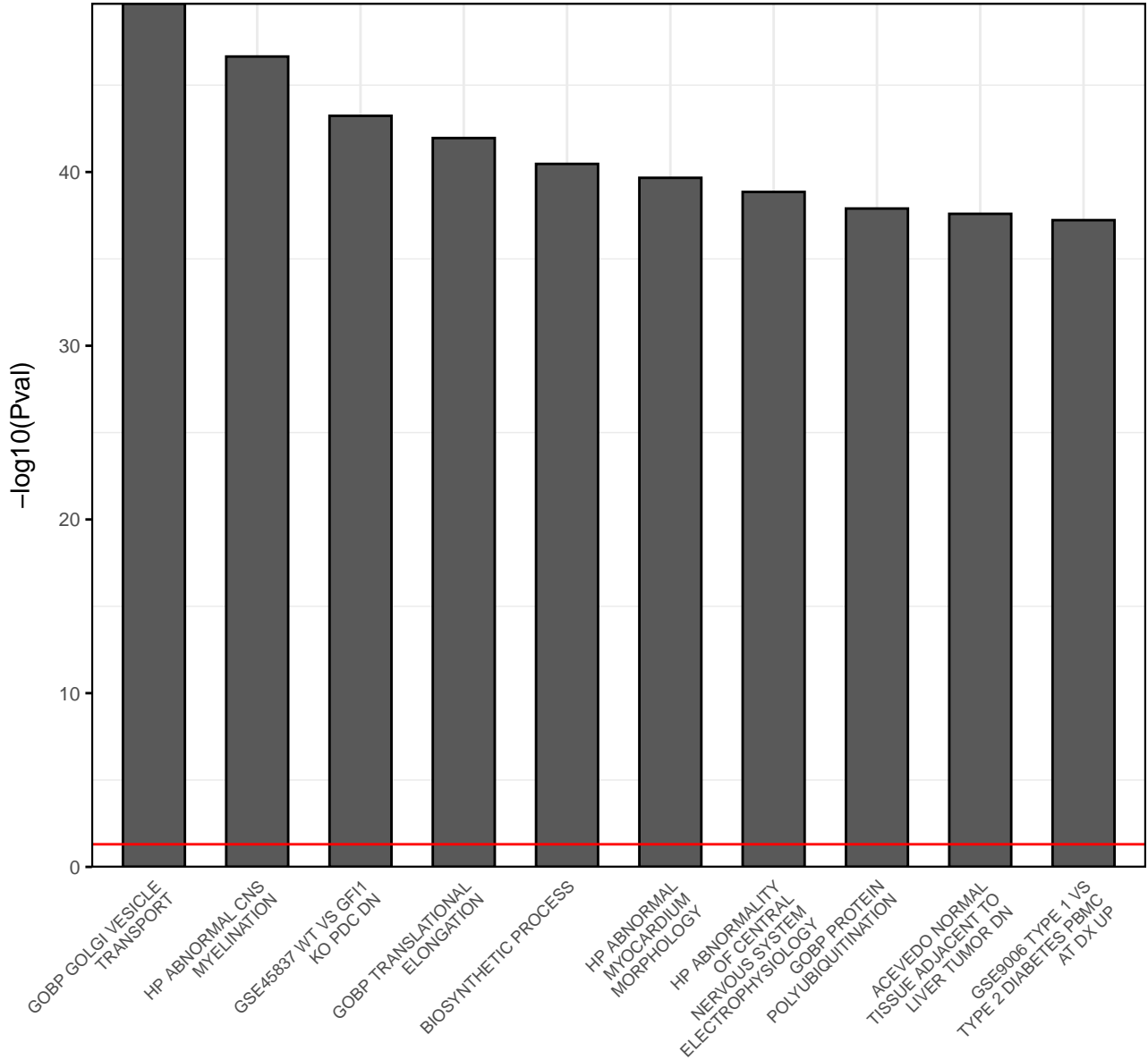
Ik
Mfap1a
Gm7324
Zfp1
Topors
Nono
Fxr1
Utp3
Rab8a
Tlk2
Pa2g4
Ppil4
Dnajc8
Ccgc173
Psip1
Gripap1
Prpf3
Cwc15
Cwc27
Dnajc7





Top genes by kME

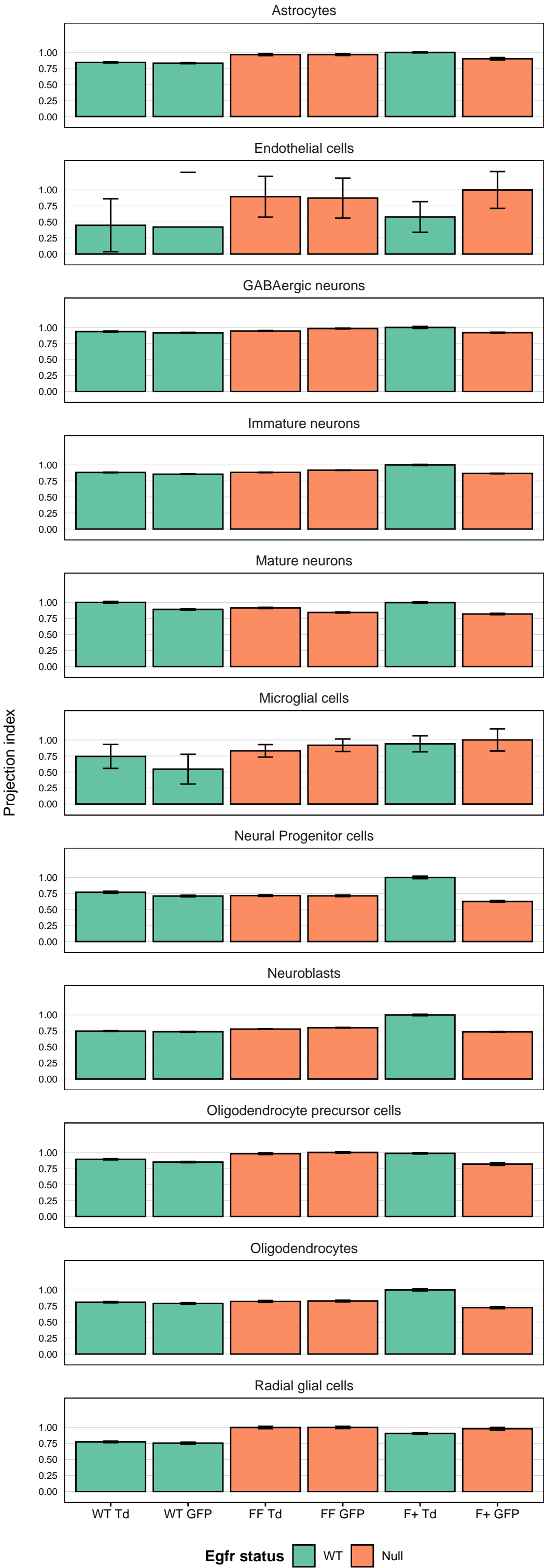
Cadm2
Kcnh1
Agtpbp1
Fhod3
Sorcs1
Pdzd2
Tspan5
Ldlrad4
Plcxd2
Klhl1
Mtcl1
Pik3r1
Frmpd4
Ephx4
9130227L01Rik
Kcnh5
Kcnn1
Rgs6
Ipcef1
Akap7



yellow module

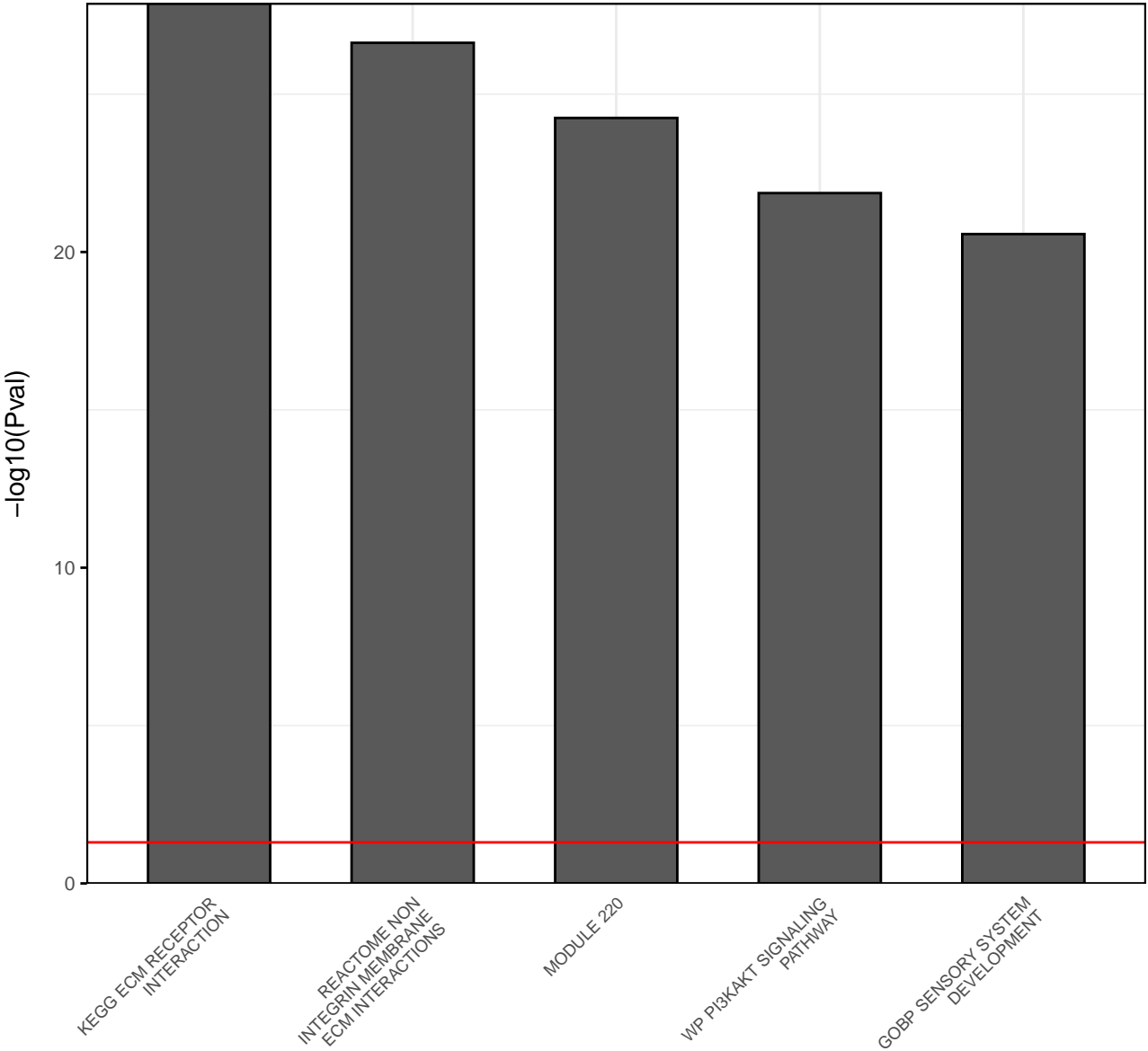
Top 100 by kME

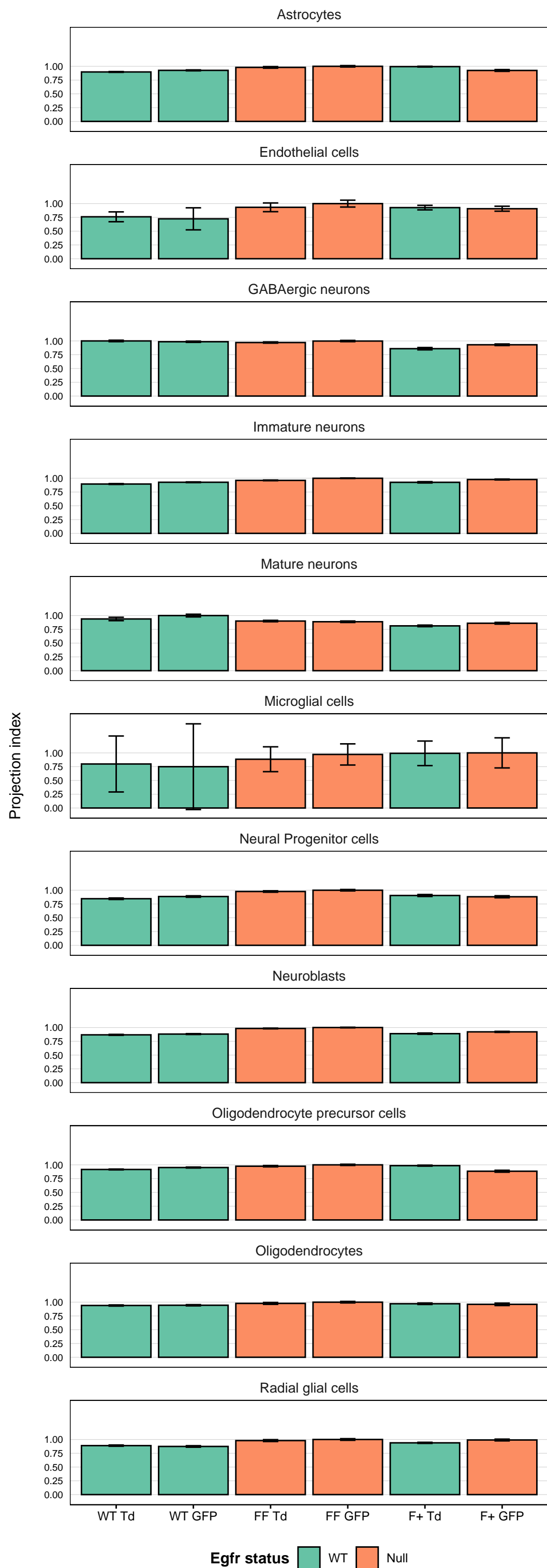
Bicor-None_signum0.551_minSize20_merge_ME_0.85_18566



Top genes by kME

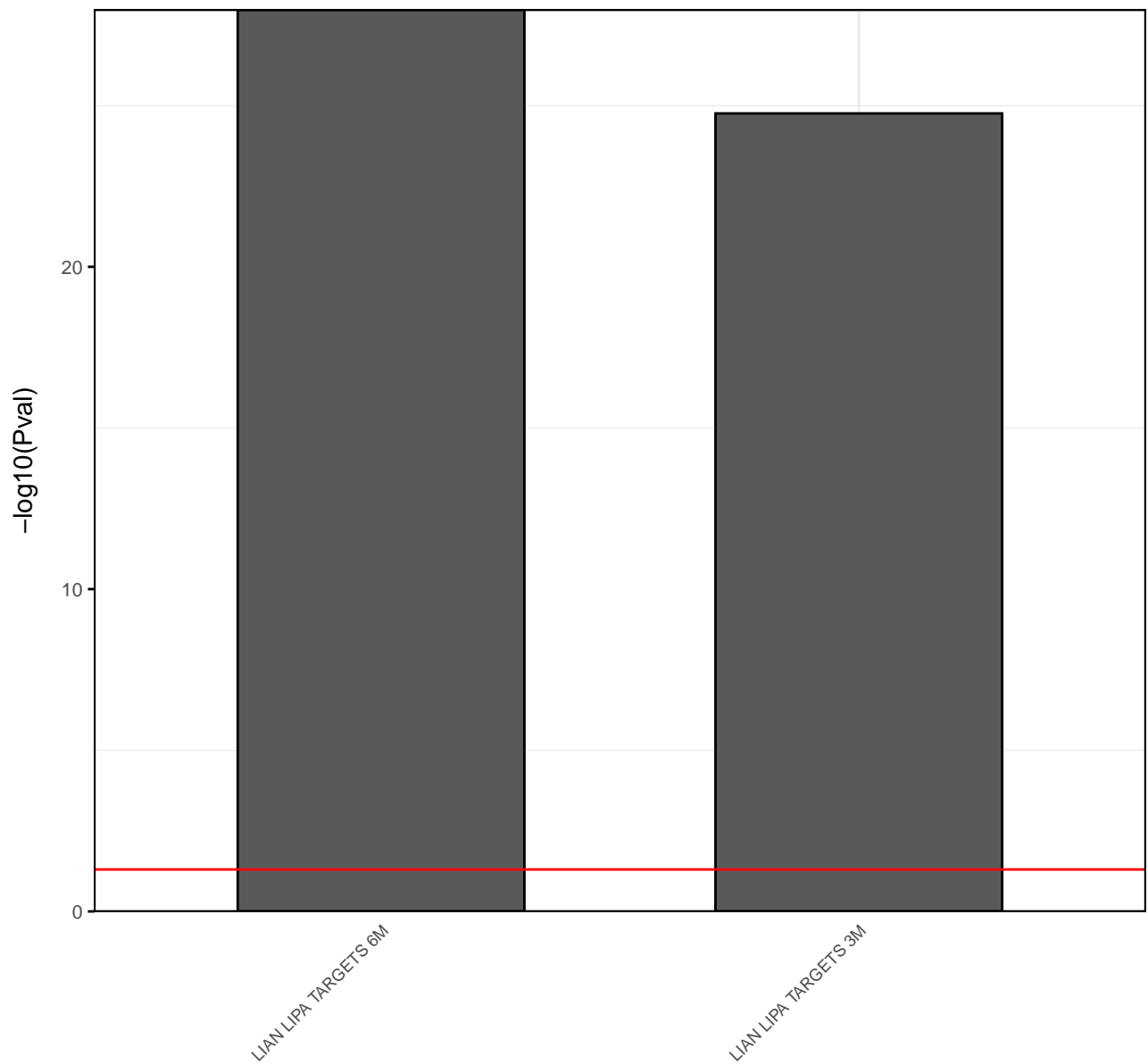
Spaca7
4930447A16Rik
2900092C05Rik
Sult3a1
Gm10800
4930533B01Rik
Gm12092
Gm13842
2210414B05Rik
4930555B11Rik
Gm15046
Gm11739
Gm16555
Vmn2r82
Gm26724
Gm27187
Gm45720
Gm35041
Gm48617
4930415C11Rik



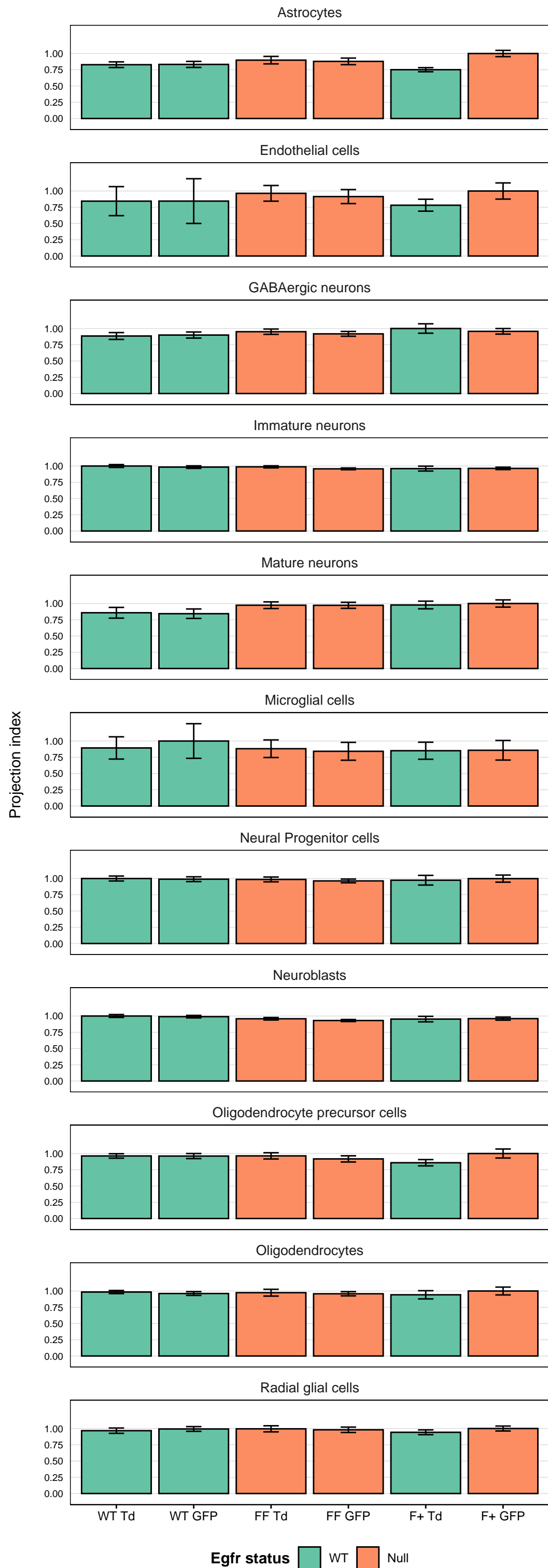


Top genes by kME

Il10ra
C1qb
Ncf1
Dock2
Naip2
Fyb
Irf8
Rassf4
Nckap1l
Gm21781
Ms4a6c
Ints6l
Cd53
Cyth4
Ncf2
Rab32
Ctss
Tlr7
Ticam2
Tnfaip8l2

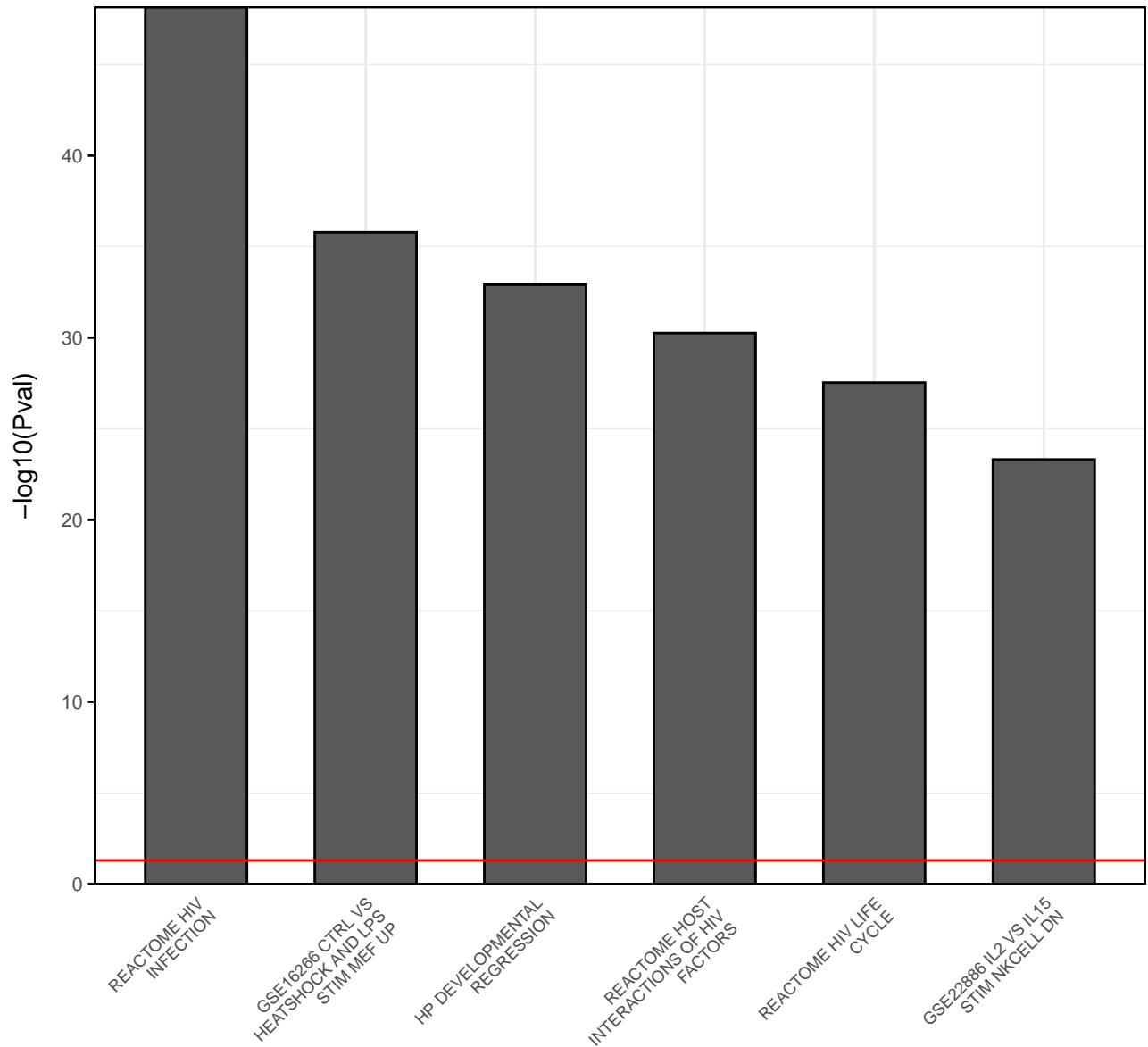


turquoise module
Top 100 by kME
Bicor-None_signum0.69_minSize12_merge_ME_0.85_18566

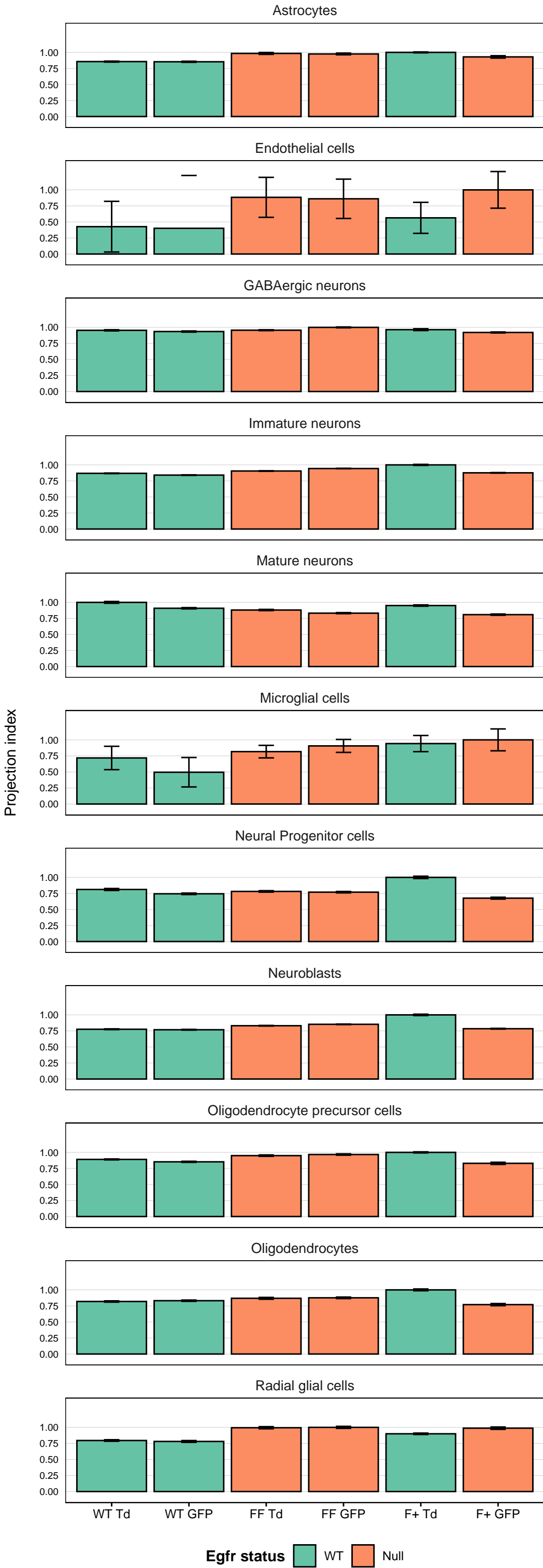


Top genes by kME

Dhrs7b
Ndufs2
Seps2
Chst10
Copz1
Ubb
Atp5a1
Trap1
Nipsnap1
Selenof
Ei24
Amfr
Adh5
Nap1l4
Dap3
Vps16
Vps45
BC031181
Bap1
Actr10

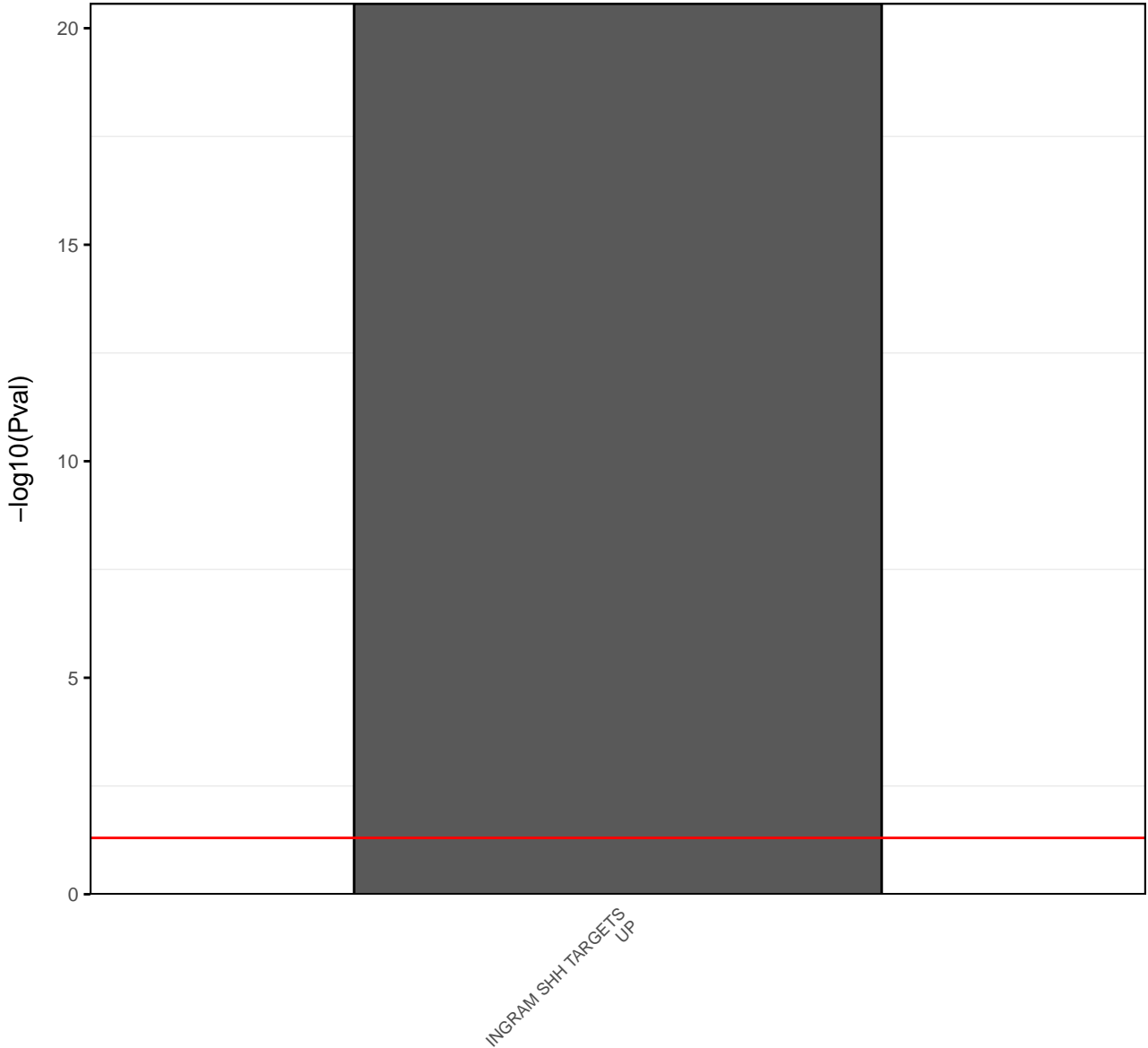


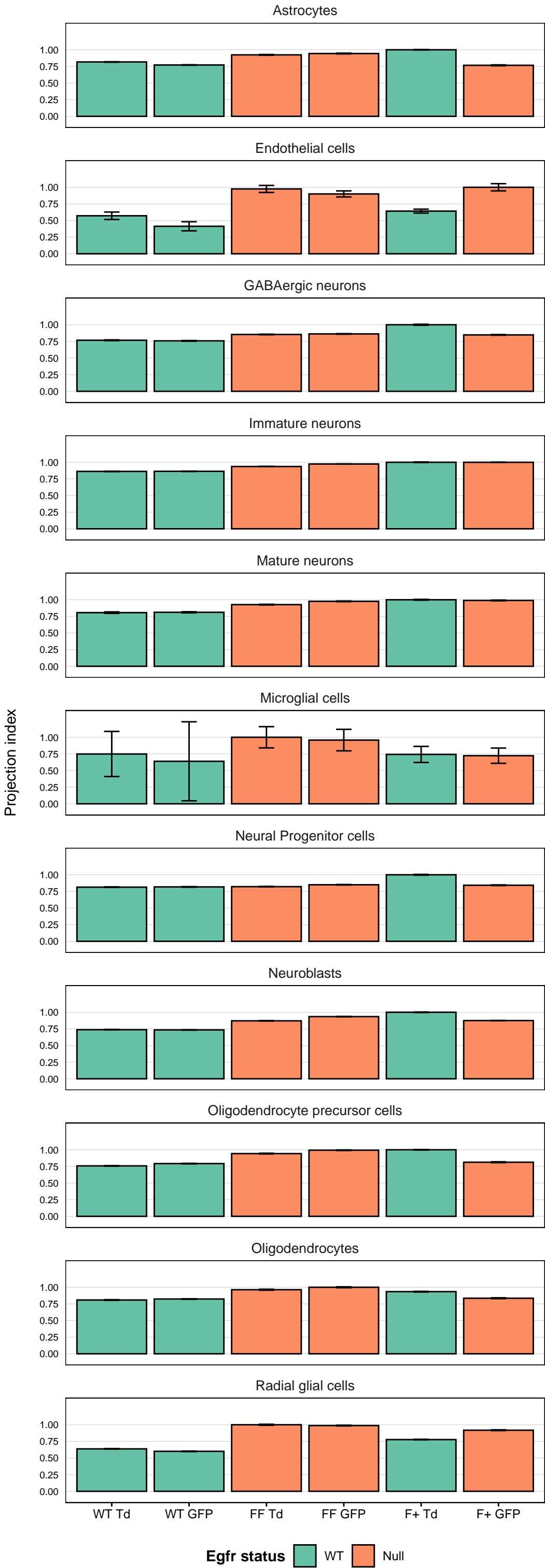
brown module
Top 100 by kME
Bicor-None_signum0.529_minSize15_merge_ME_0.85_18566



Top genes by kME

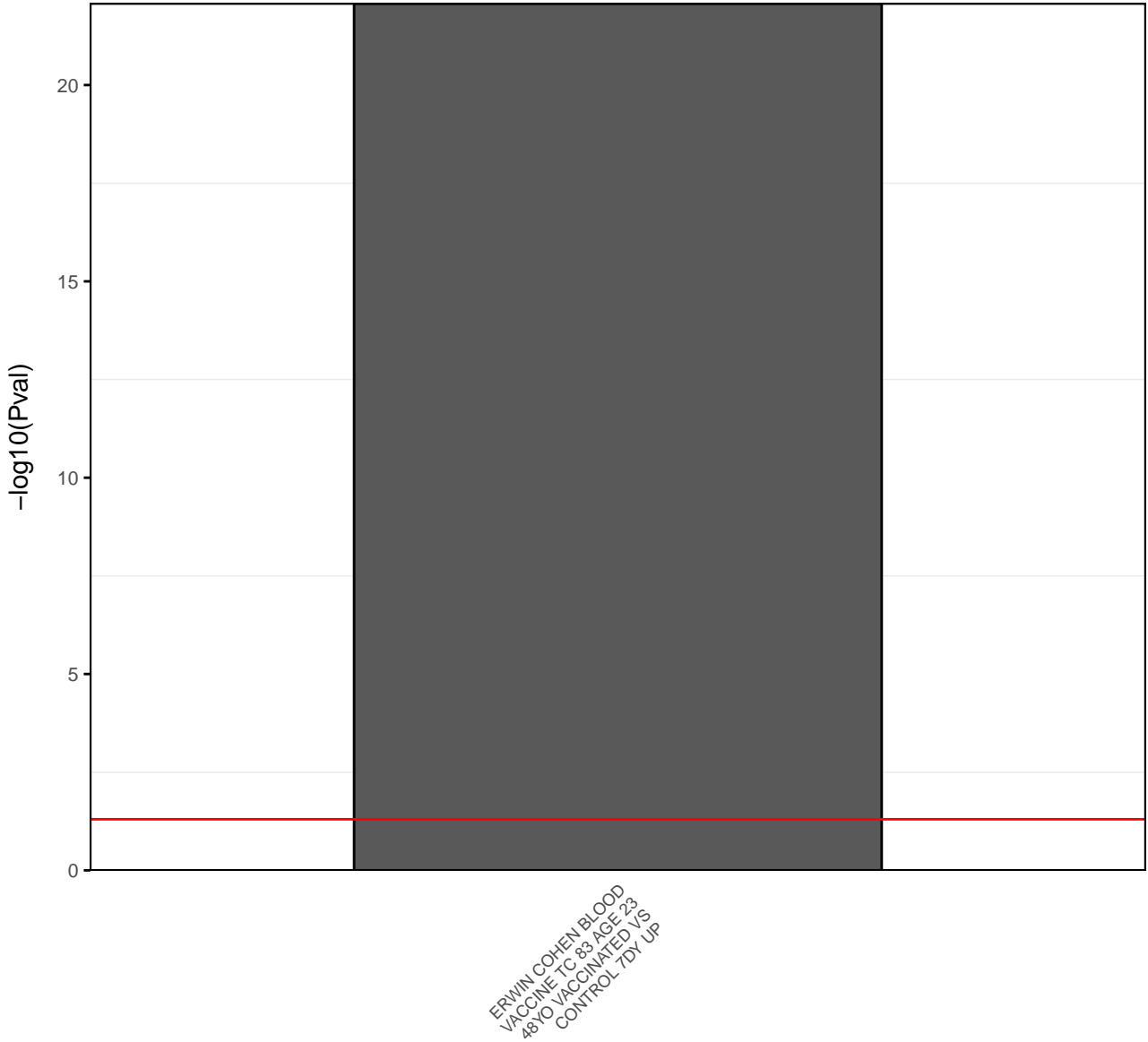
Olfml2a
Slc16a12
Col6a1
Slc7a11
Bmp7
Colec12
Cavin1
Gabpb2
Bmp5
Agtrap
Kank2
Fam43a
Abca9
Wnk4
Slc22a6
Ddr2
Tfpi
Alx4
Fcgrt
Dcn

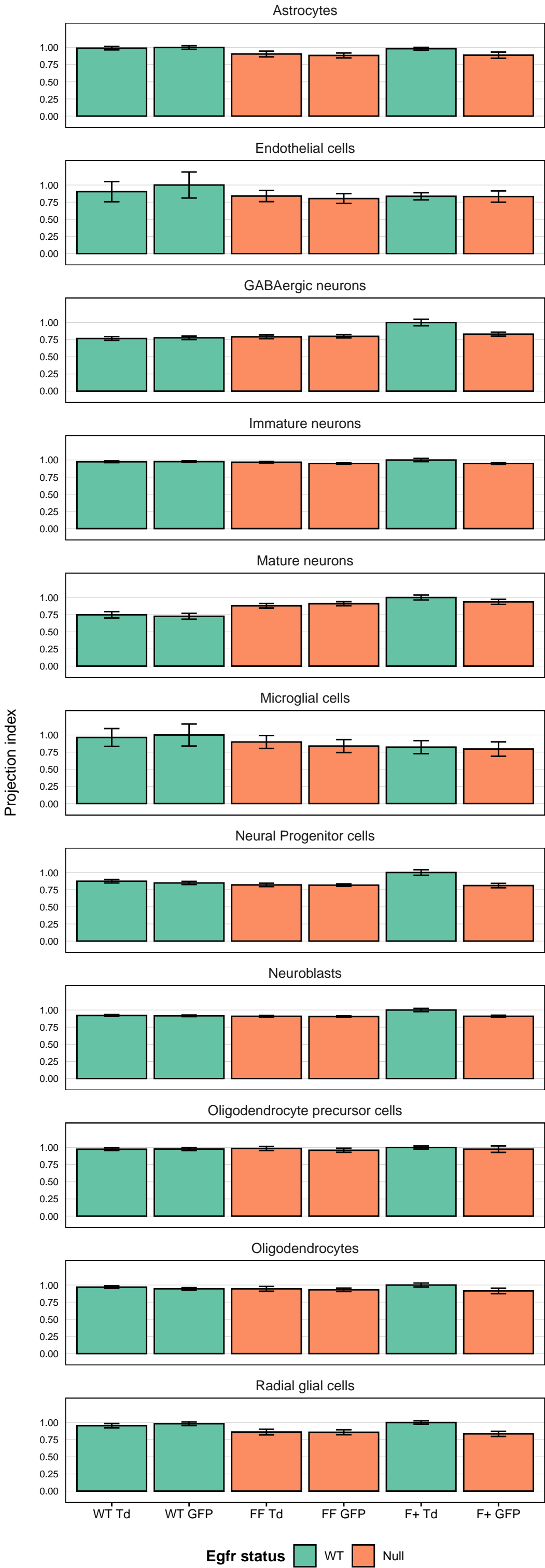




Top genes by kME

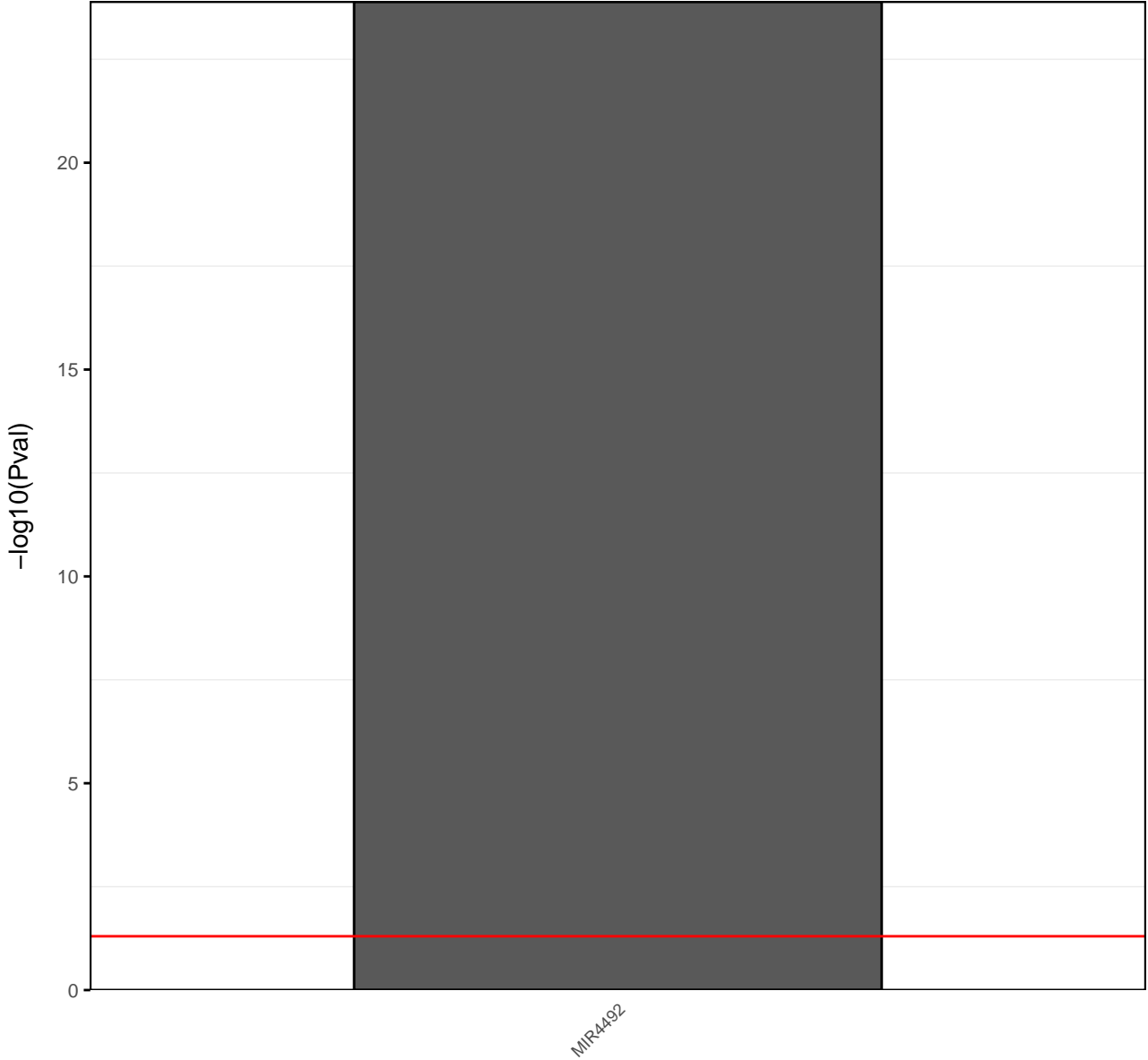
Cfb
Ms4a4c
Saa3
Zbp1
Plac8
Gm12971
C3
Gm20658
Isg15
Gm19299
Nfe2
Fpr3
Gm15579
Hp
Gpr141
Oasl2
F10
H2-Aa
Plbd1
Ifi211

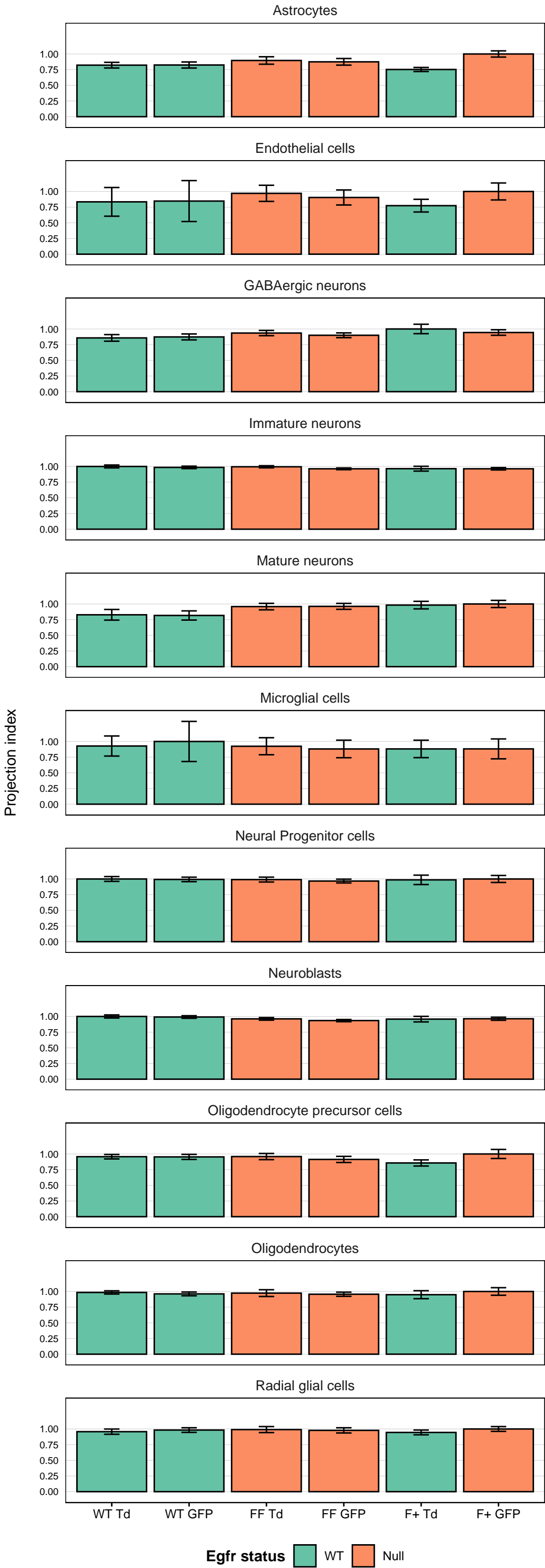




Top genes by kME

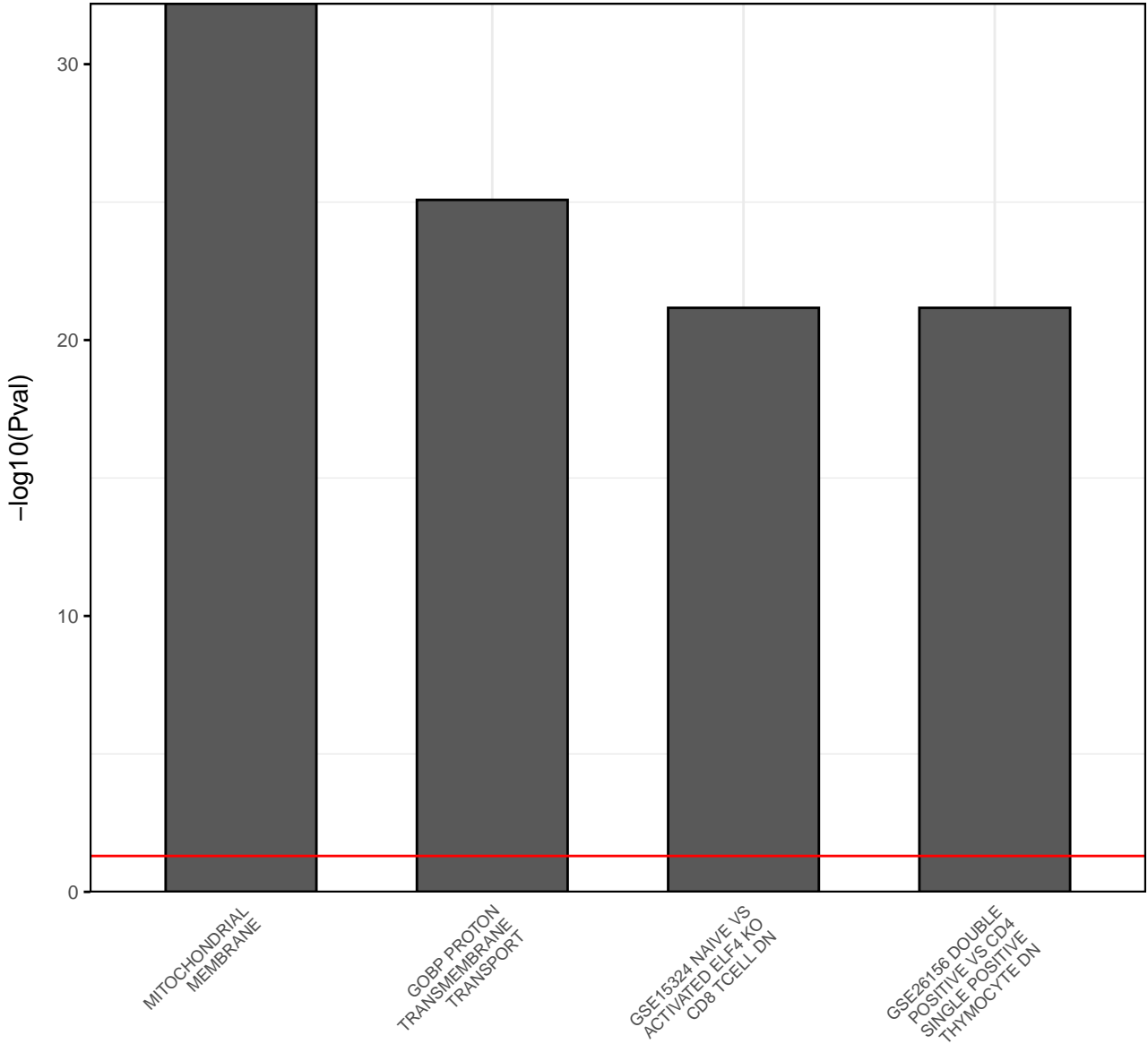
Clptm1
Ncdn
Atp6v0a1
Gabbr1
Ogdh
Jph4
Ephb3
Sez6l2
Tmem201
Rnf208
Rbm42
Rbm19
Phyhip
2310022A10Rik
Lrrc4b
Mast3
Btbd17
Aco2
Cox10
Atp1a3



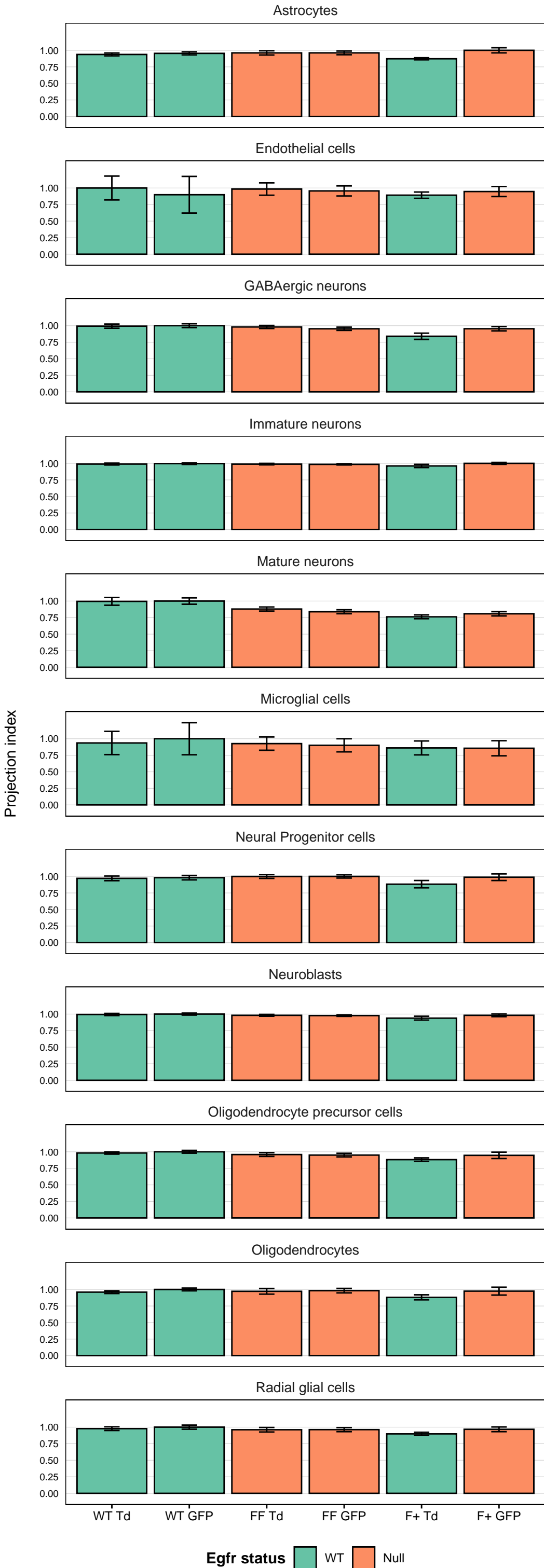


Top genes by kME

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

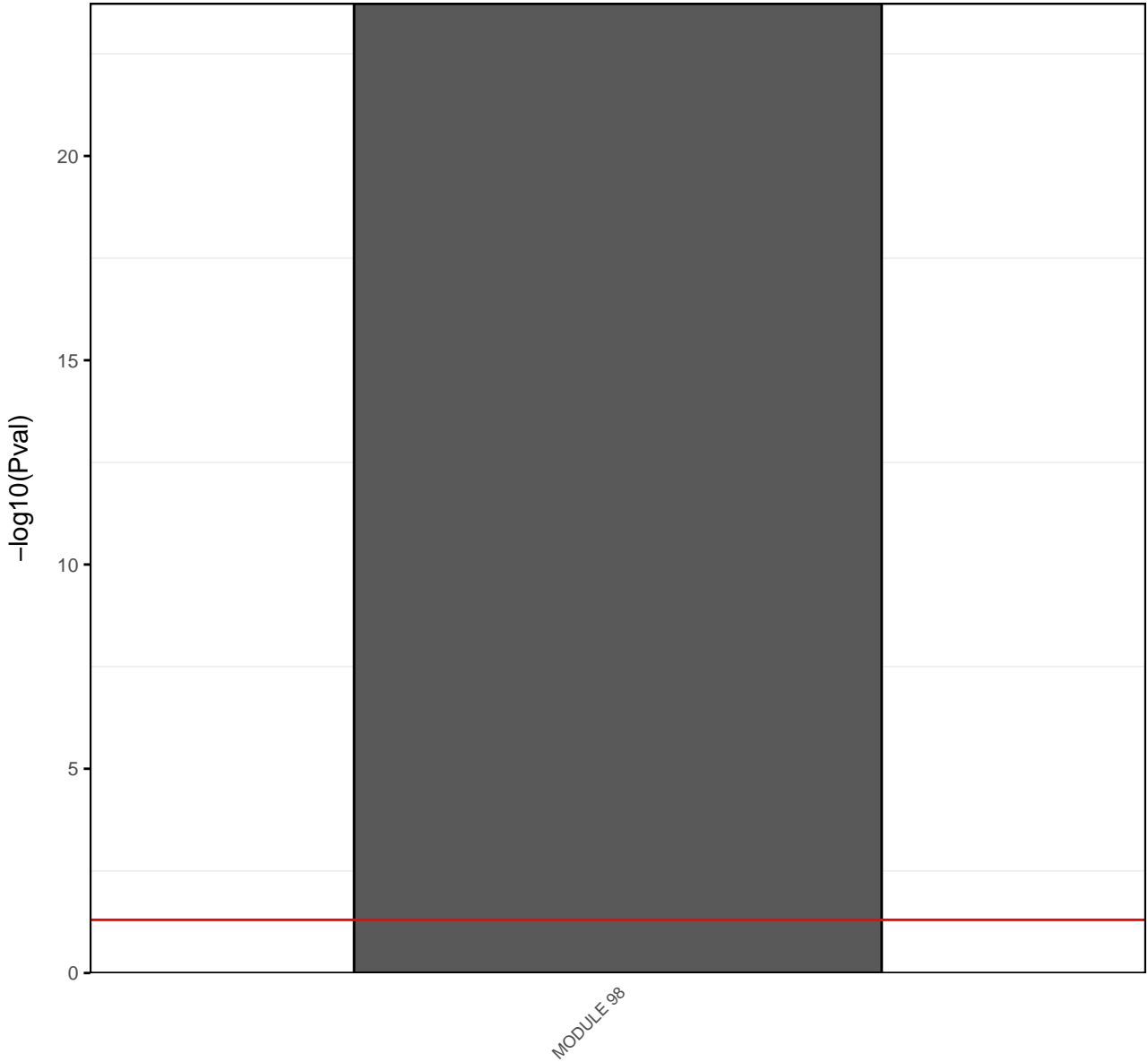


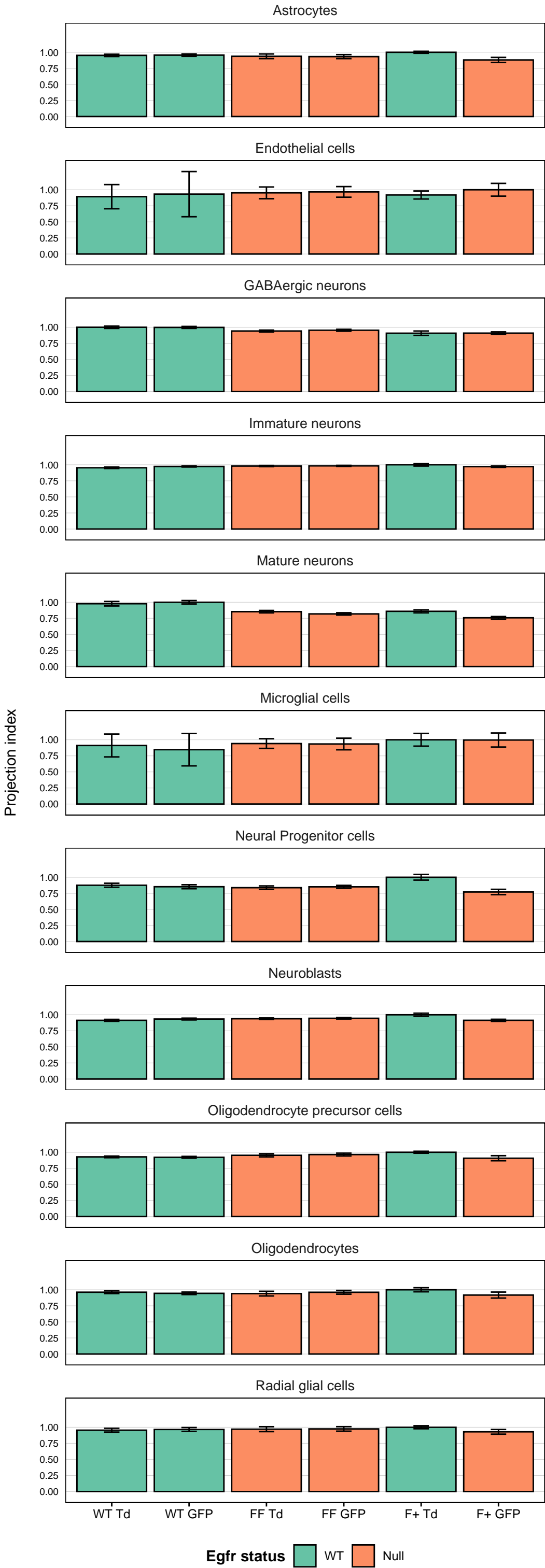
yellow module
Top 100 by kME
Bicor-None_signum0.529_minSize15_merge_ME_0.85_18566



Top genes by kME

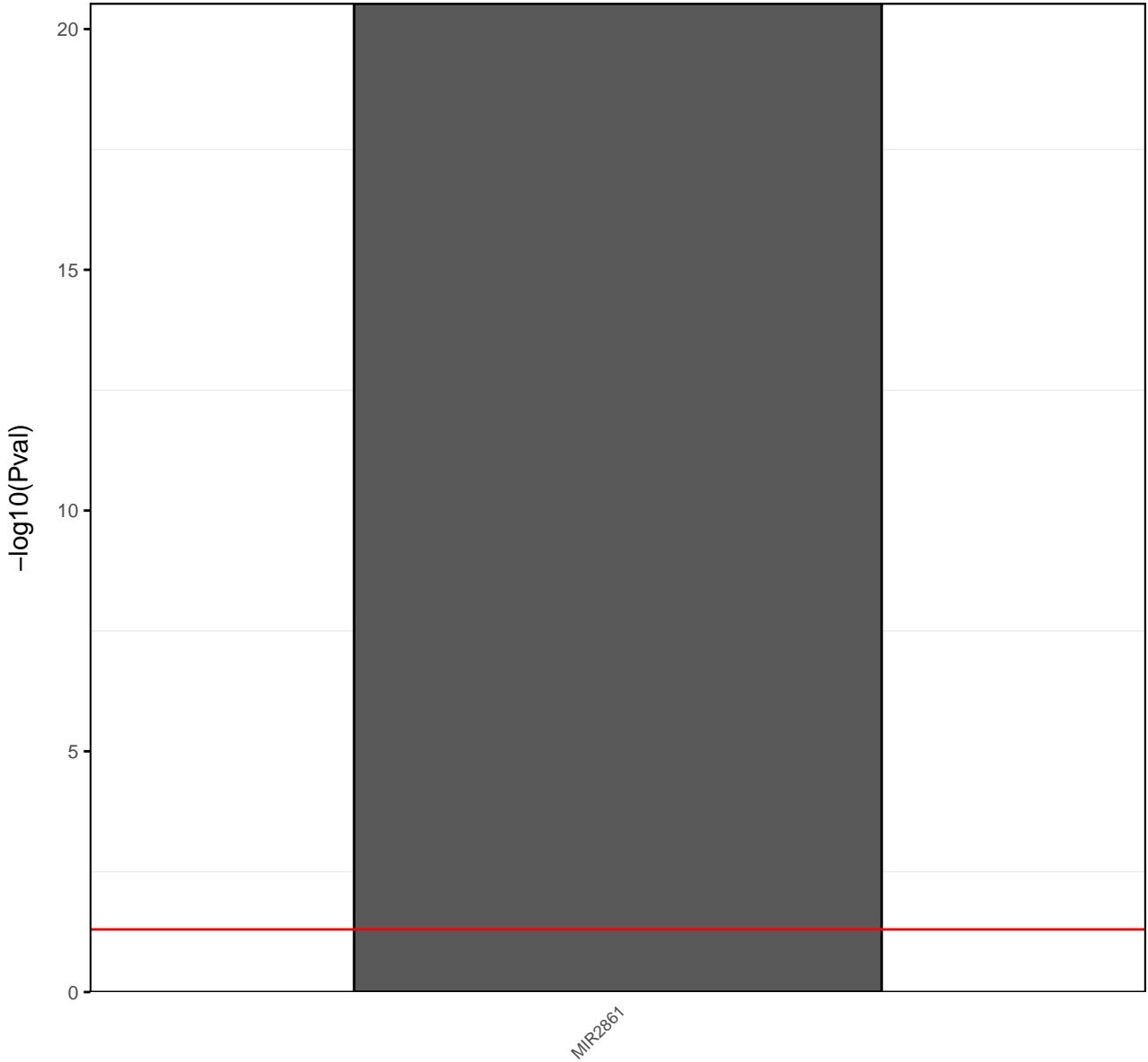
Cfb
Ms4a4c
Saa3
Zbp1
Plac8
Gm12971
C3
Gm20658
Isg15
Gm19299
Nfe2
Fpr3
Gm15579
Hp
Gpr141
Oasl2
F10
H2-Aa
Plbd1
Ifi211

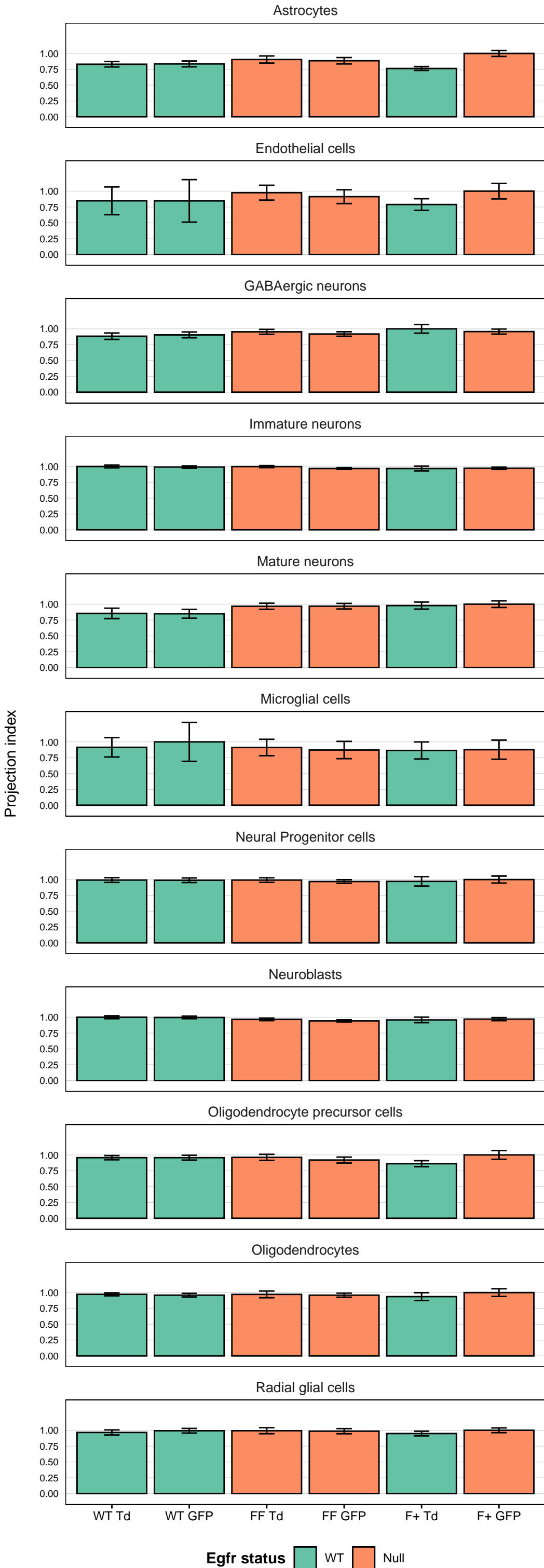




Top genes by kME

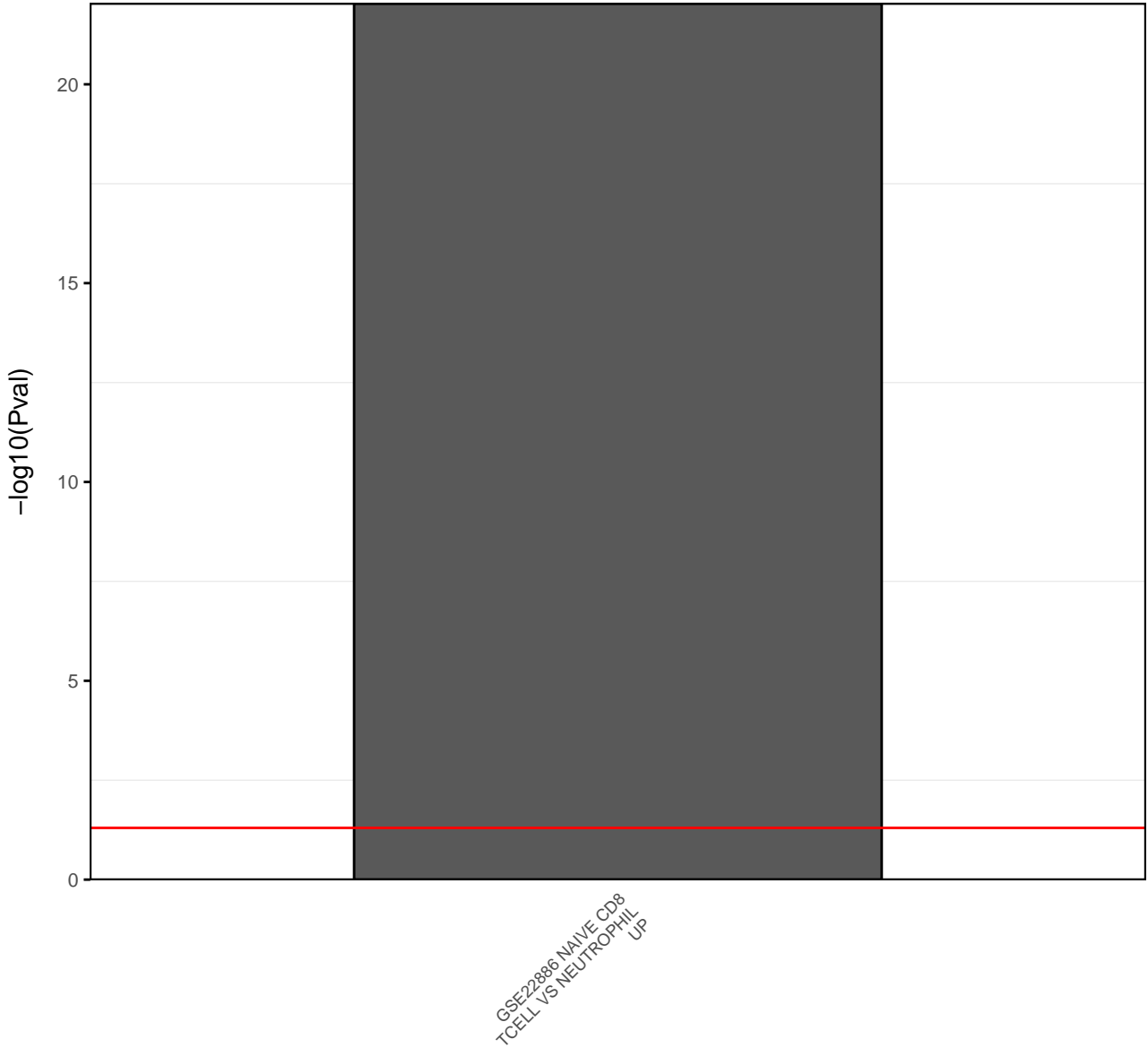
Pak4
Pcdhga2
Trak1
Pcdhgc3
Pcdhgb1
Specc1l
Pcdhga5
Sdha
Btrc
Igfbp2
Pcdhgb5
Rhoa
Zfp385a
Zdhhc5
Pcdhgb4
Mmp14
Palld
Pcdhga10
Sf1
Tjp2

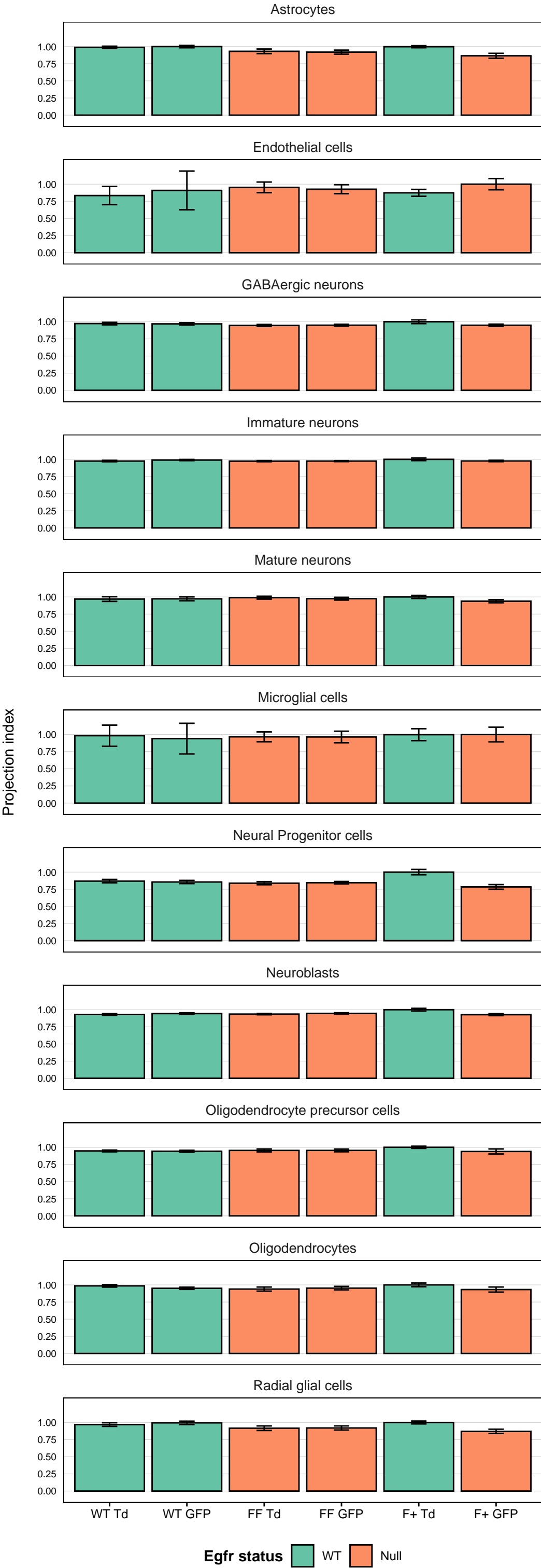




Top genes by kME

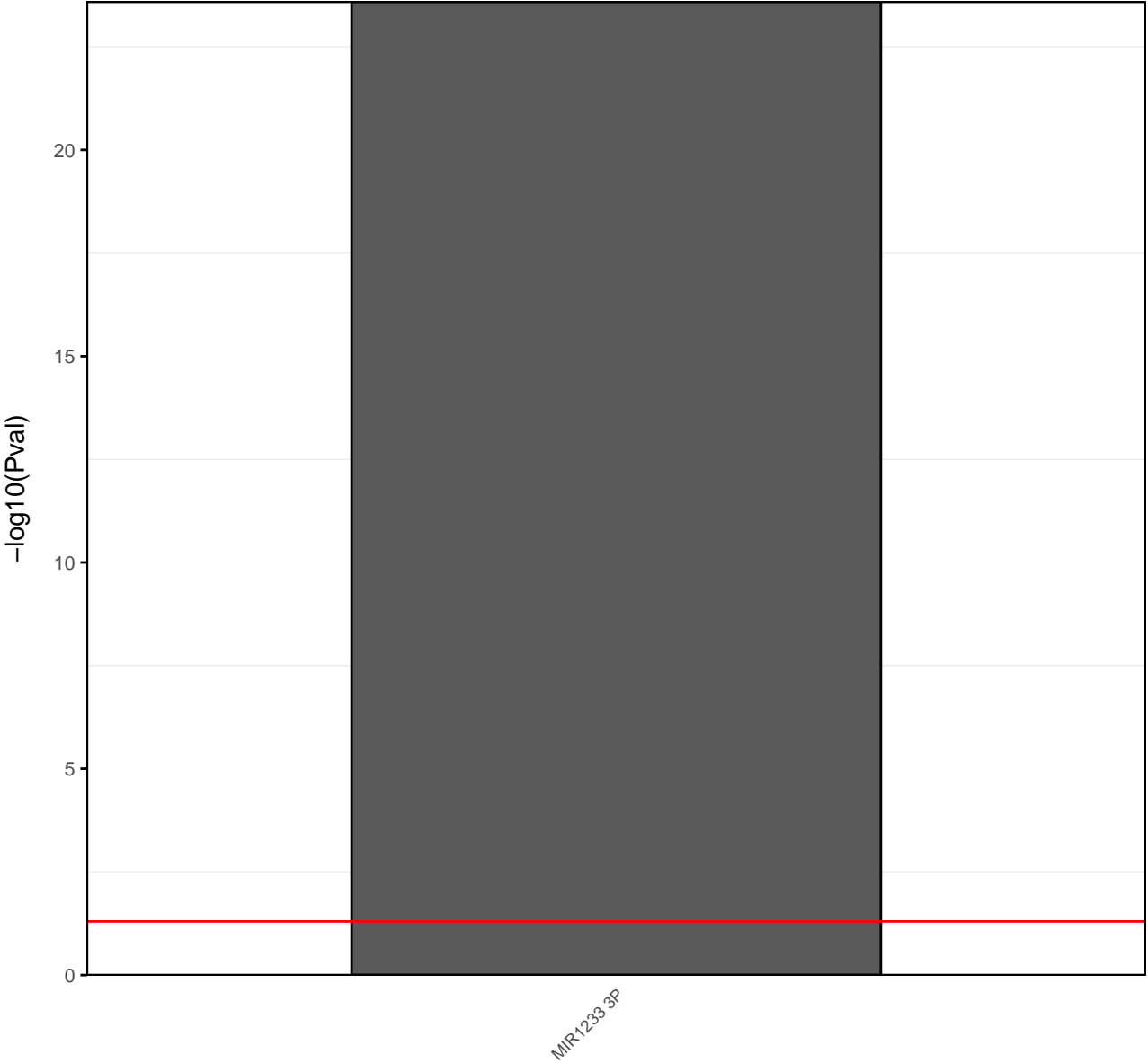
9130227L01Rik
E2f1
Frmpd4
Kcnn1
Fhod3
Pdzd2
5930438M14Rik
Syndig1
Ephx4
Kcnh1
Cadm2
Tspan5
Prickle1
Ipcef1
Sel1l3
Gm45606
Mtcl1
Trbc2
Gm10636
Klh1

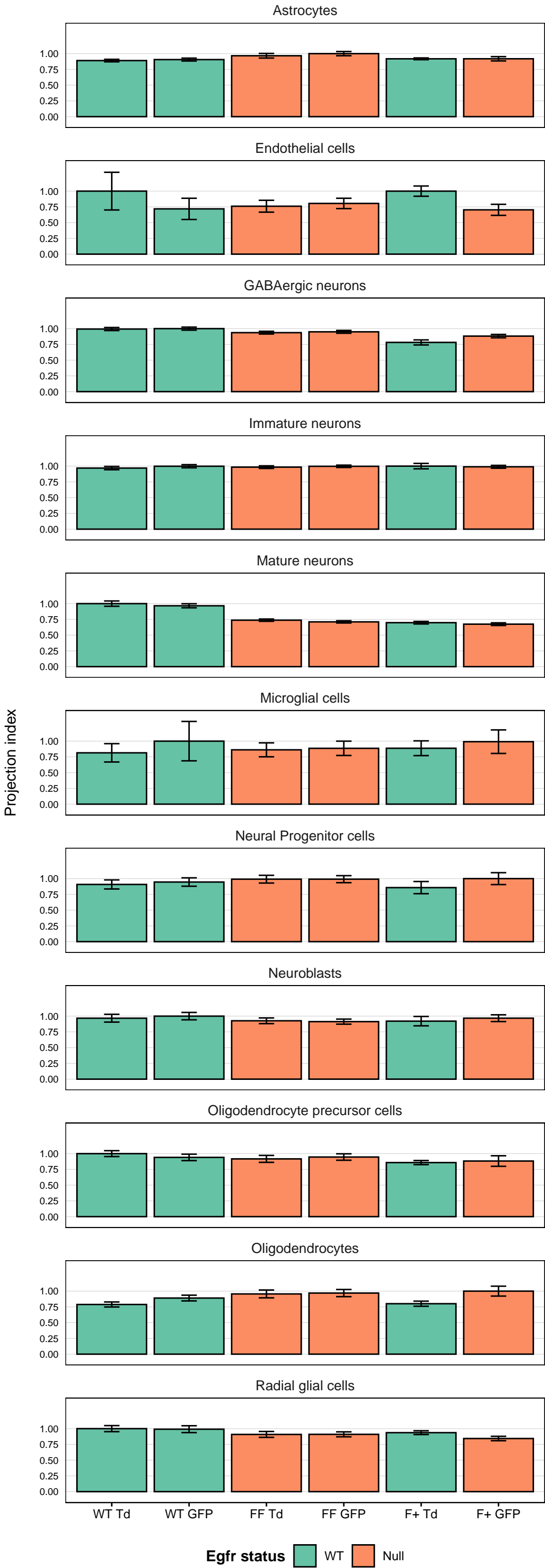




Top genes by kME

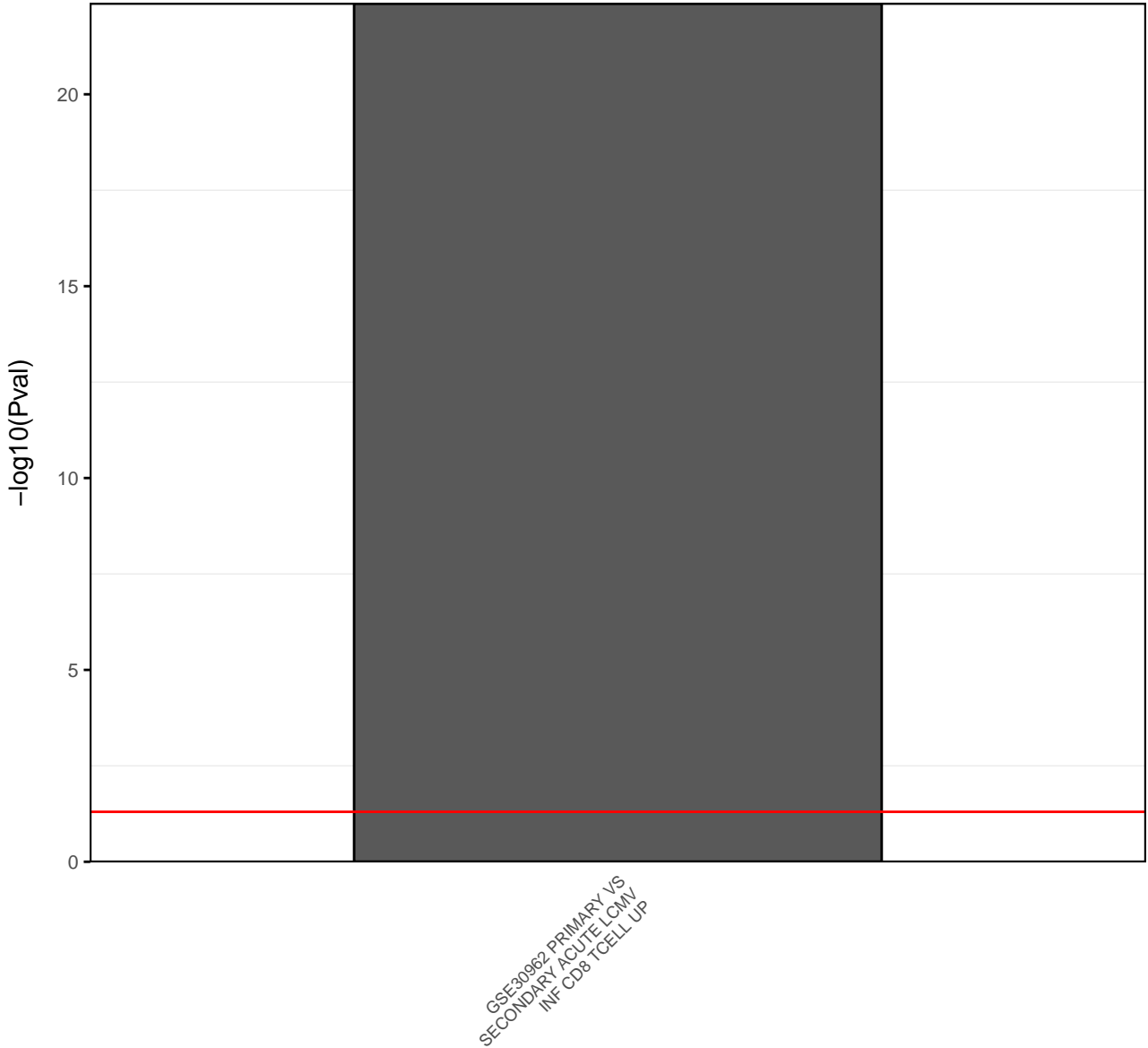
Trak1
Usp10
Pcdhga5
Pcdhgb1
Zfp385a
Sf1
Gtpbp1
Tmem201
Btrc
Rhoa
Pcdhgb2
Pcdhga8
Sdha
Dag1
Pcdhgc3
Pcdhgb5
Zswim8
Rbm14
Sema4b
Men1



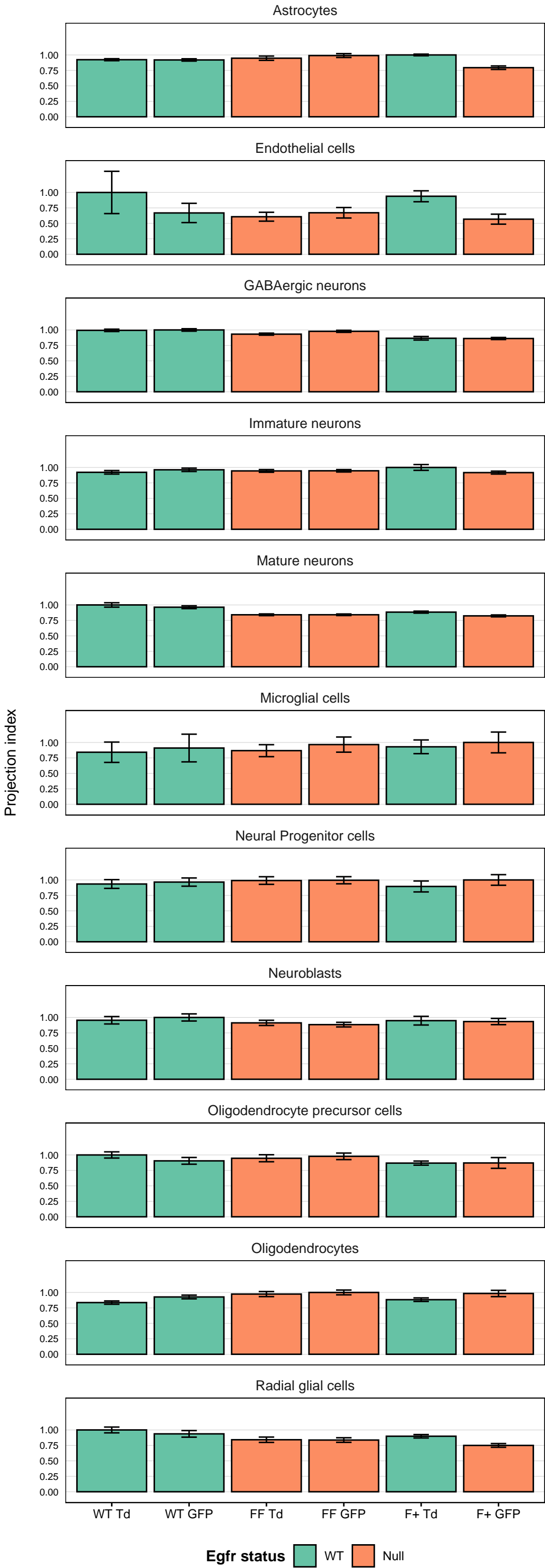


Top genes by kME

Bub1b
Ccnb1
Pbk
Spag5
Nek2
Ect2
Nuf2
Dhfr
Usp45
Smc2
Neil3
Sp3
Ttk
Brca1
Anp32e
Map3k7
Top2a
2810454H06Rik
Ncapg2
Esco2

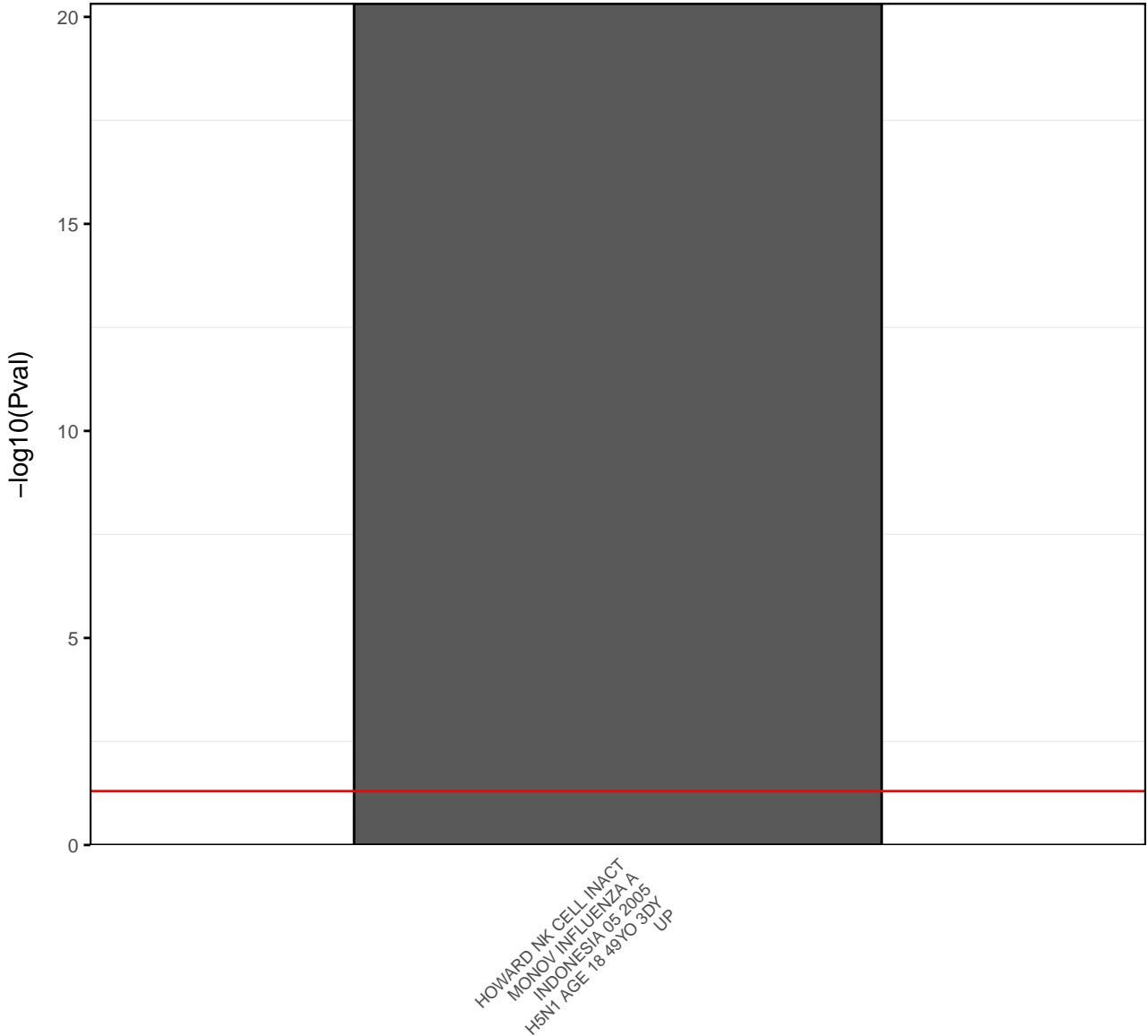


whitesmoke module
Top 100 by kME
Bicor-None_signum0.577_minSize10_merge_ME_0.85_18566

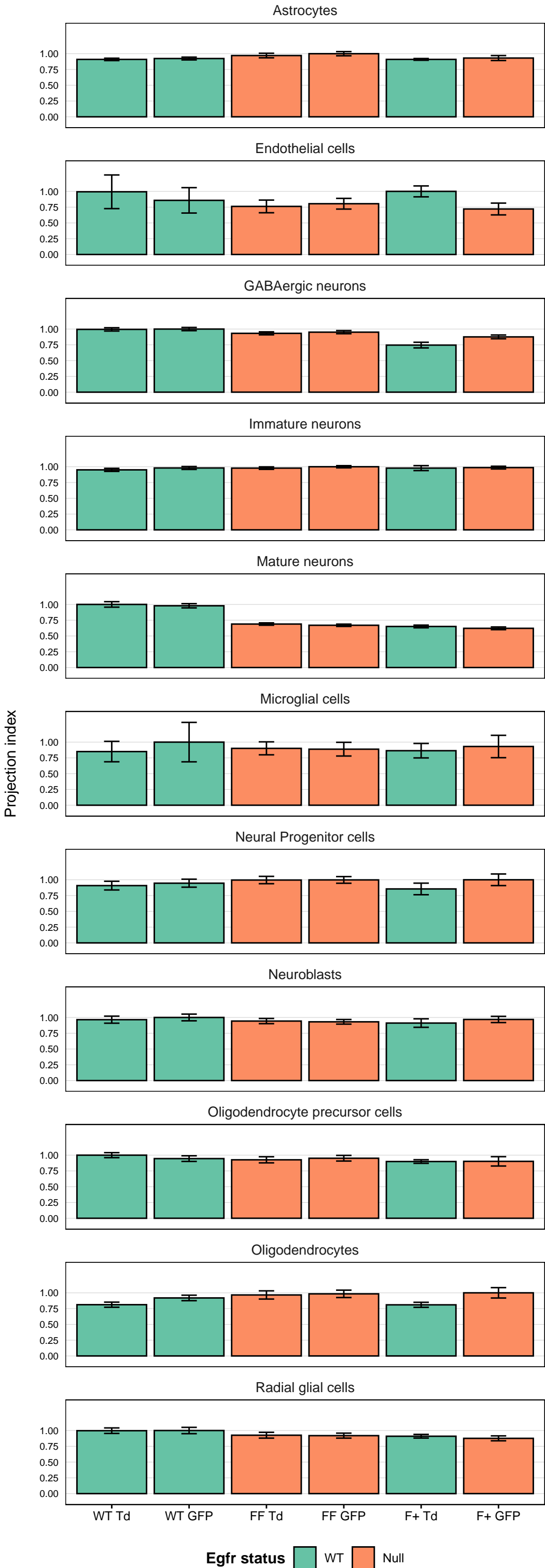


Top genes by kME

Cenpe
C330019F10Rik
Mki67
Cenpf
Ckap2l
Kif14
Prr11
Gm48619
Aspm
Mis18bp1
E2f8
Smc4
Kif20b
Cep55
Kif20a
Hmgb2
Hmmr
Sgo2a
Dlgap5
Ppp1r12a

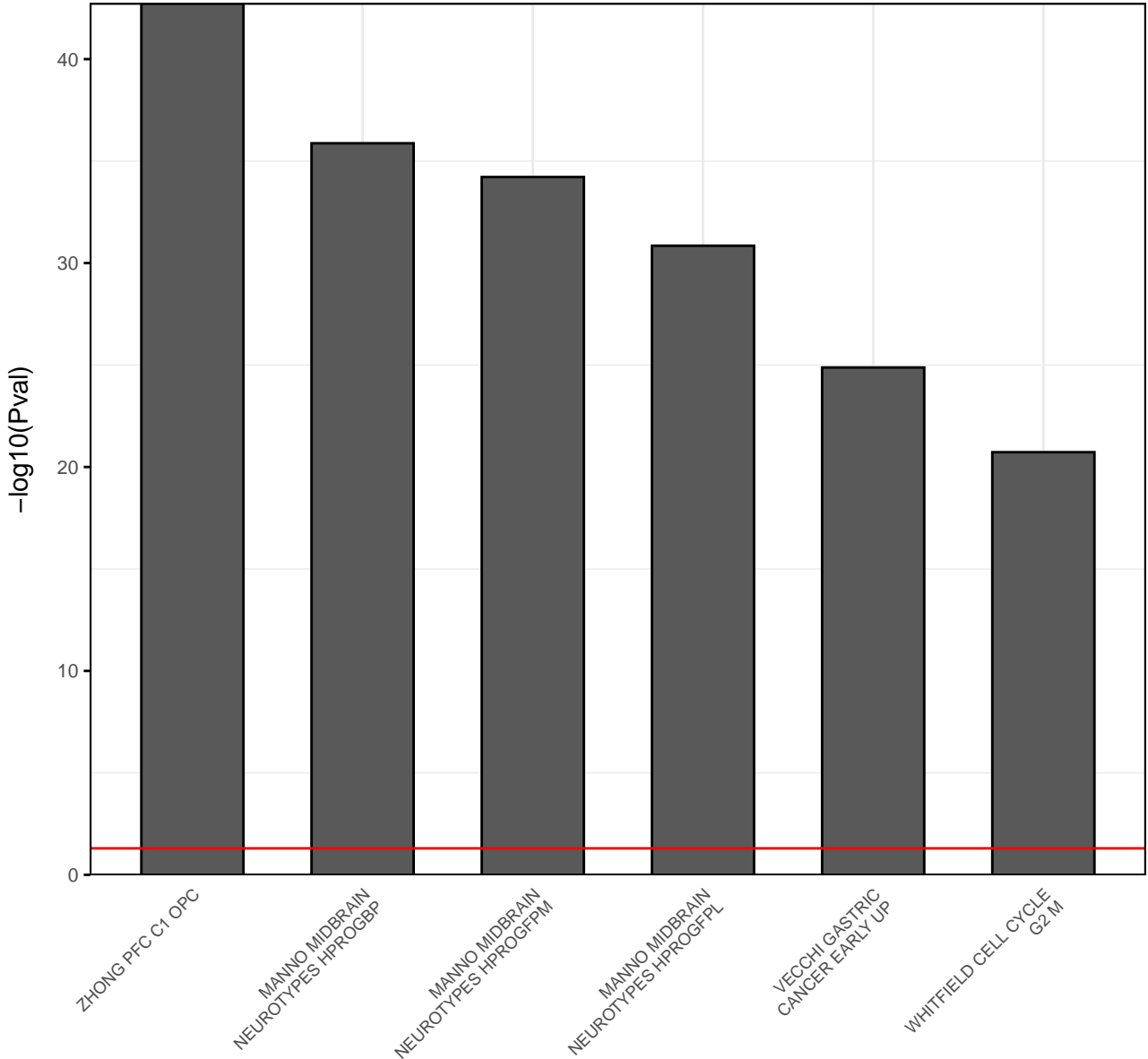


darkturquoise module
Top 100 by kME
Bicor-None_signum0.643_minSize10_merge_ME_0.85_18566

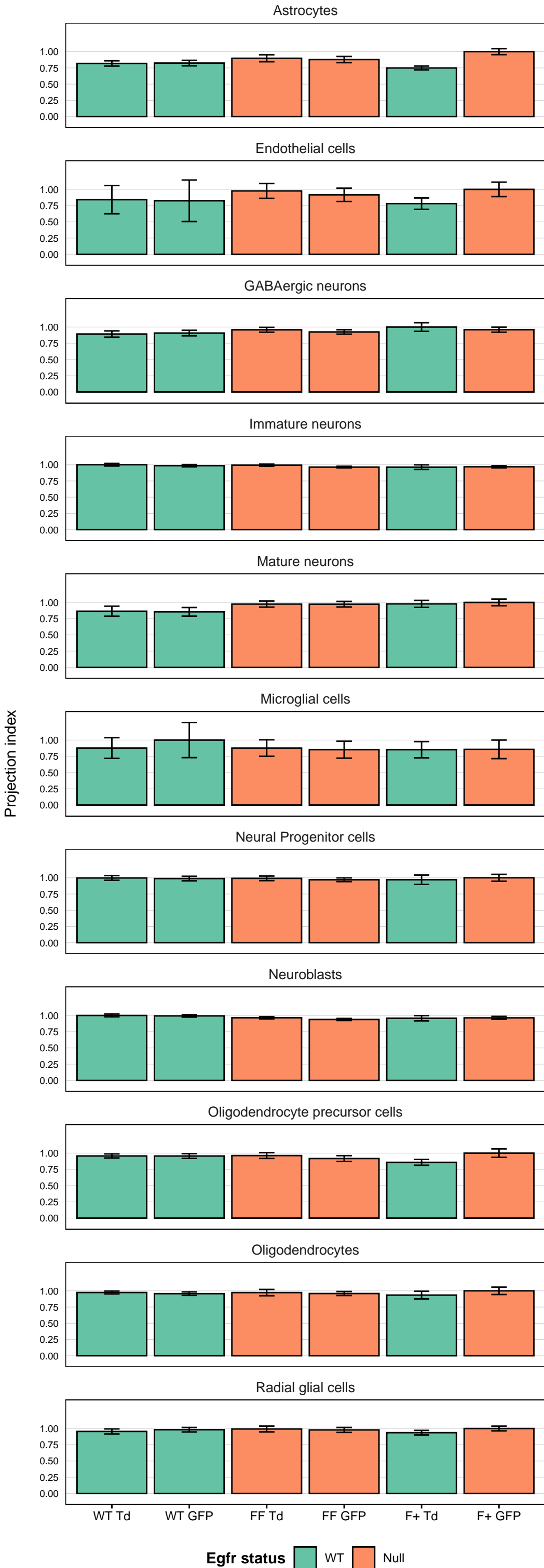


Top genes by kME

Bub1
Nek2
Brca1
Spag5
Gas2l3
Tbc1d8b
Ect2
Top2a
Haus6
Rbl1
Ncapd2
Usp45
6430562O15Rik
Gtse1
Slc2a9
Dhfr
Ckap2
Bub1b
Nuf2
Ncapg2

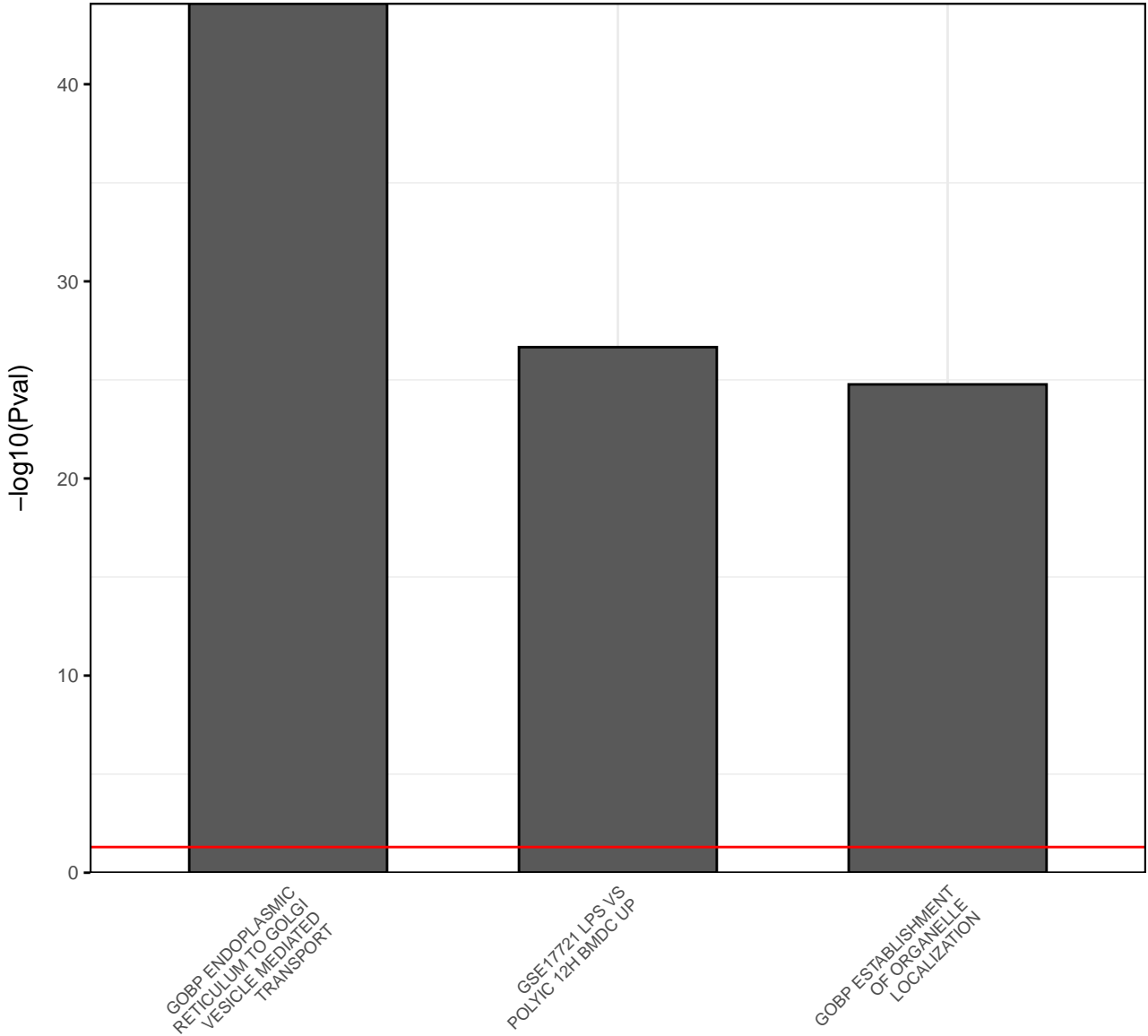


turquoise module
Top 100 by kME
Bicor-None_signum0.643_minSize10_merge_ME_0.85_18566



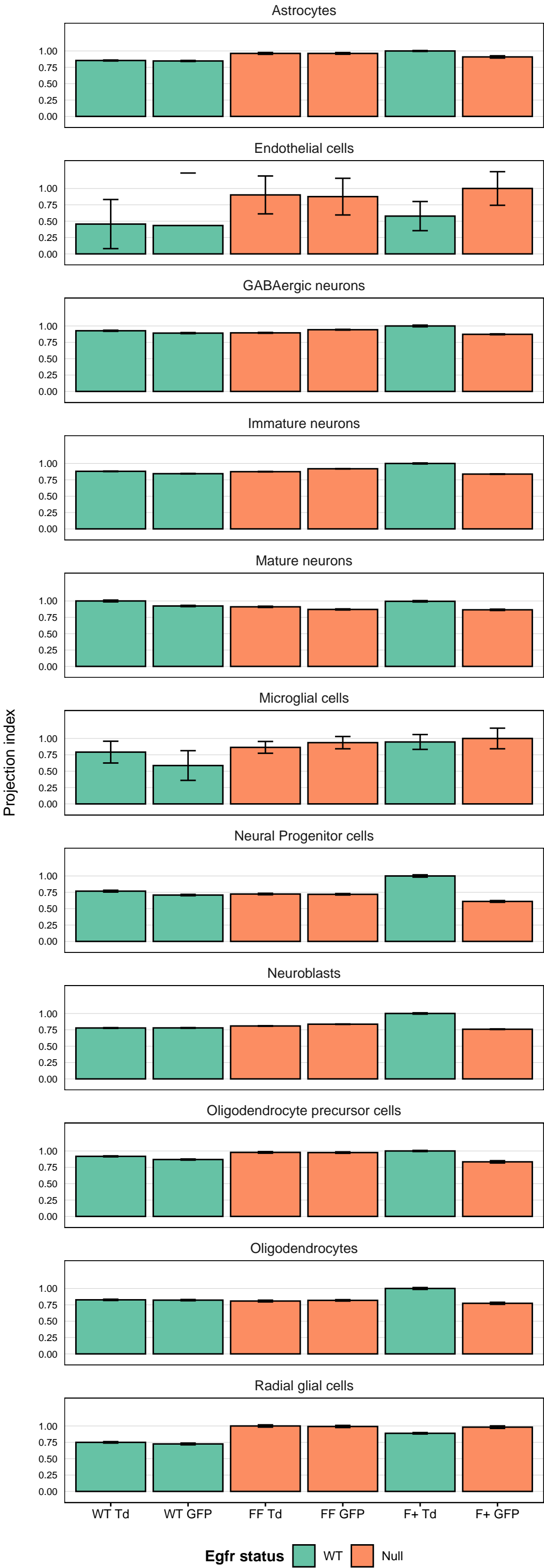
Top genes by kME

G930009F23Rik
Gm27167
Stx19
Smim31
2010106G04Rik
Gm47781
9430078K24Rik
Nos1
Gm15722
Gm4665
Gm48449
Tmem132cos
Reg4
Gm4651
Gm40538
Mgam2-ps
Gm13569
Gm13362
Smim40
Gm16222



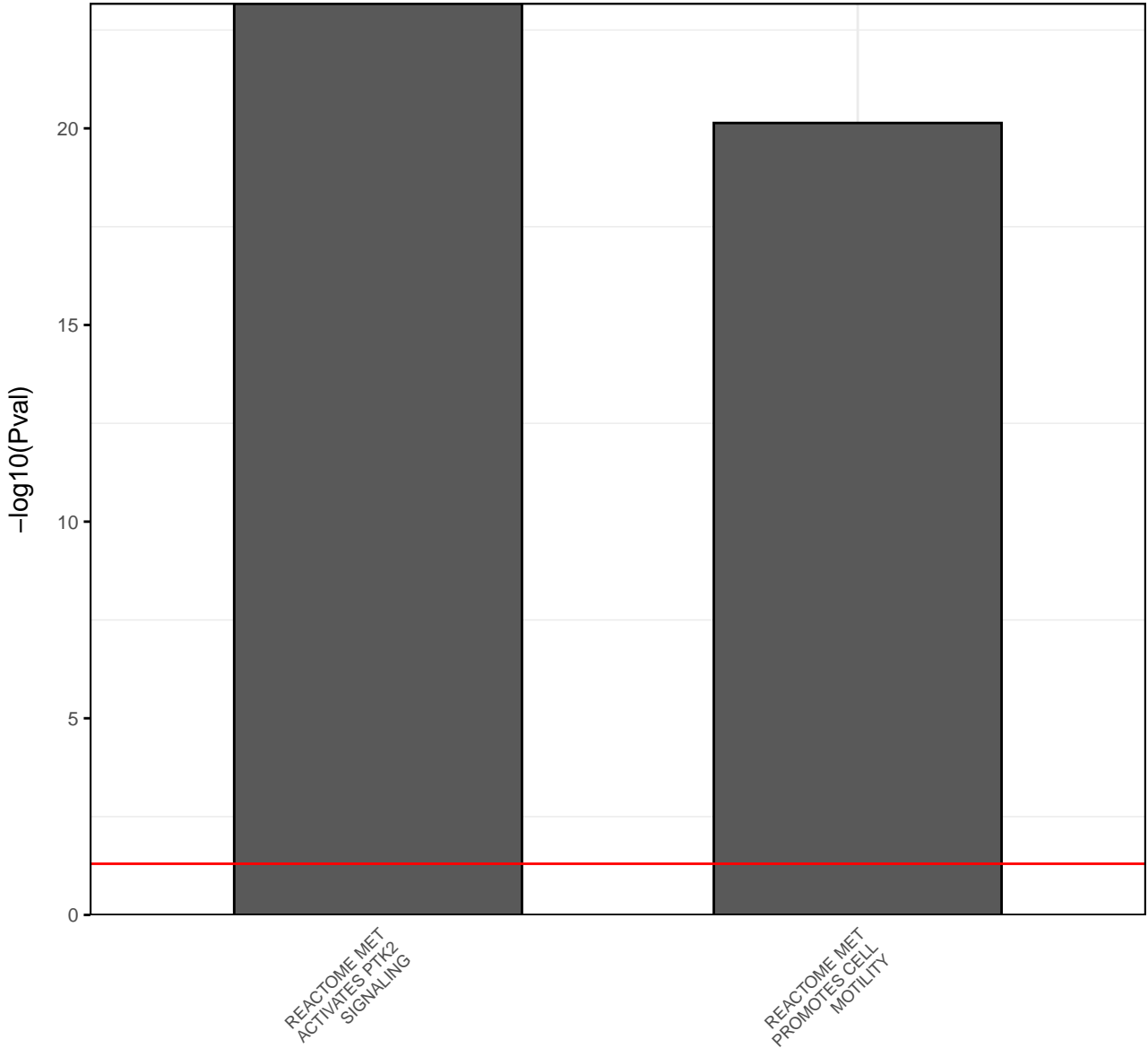
blue module
Top 100 by kME

Bicor-None_signum0.577_minSize12_merge_ME_0.85_18566

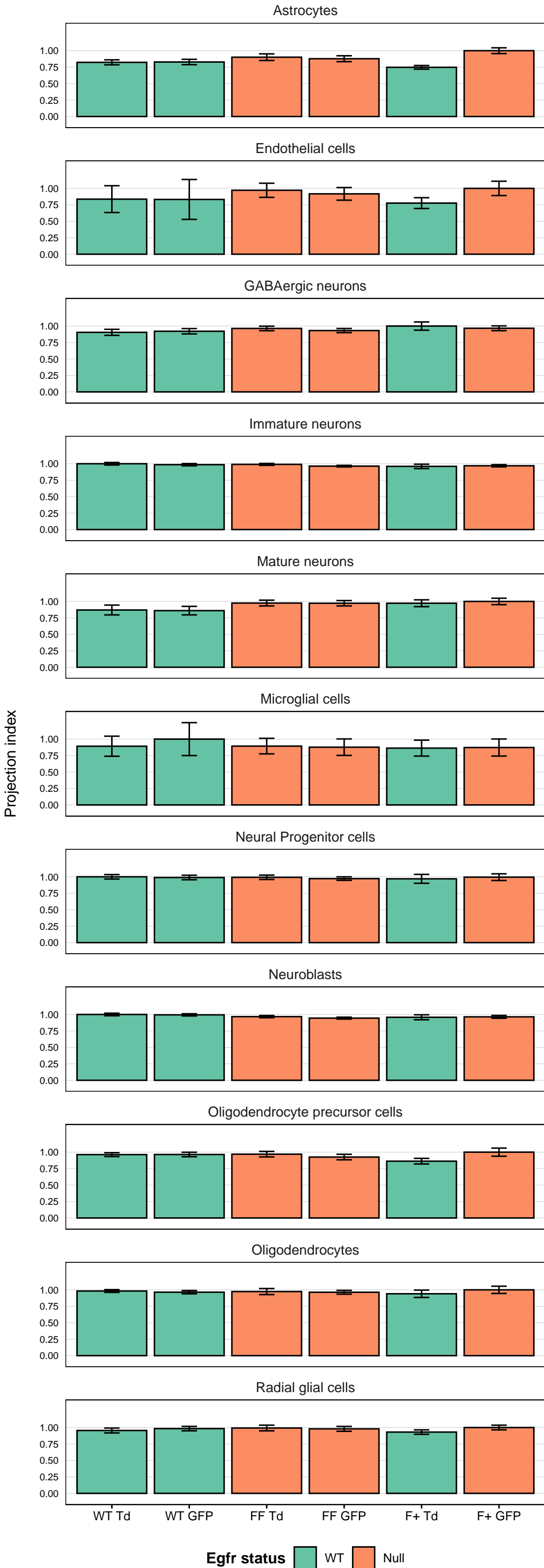


Top genes by kME

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

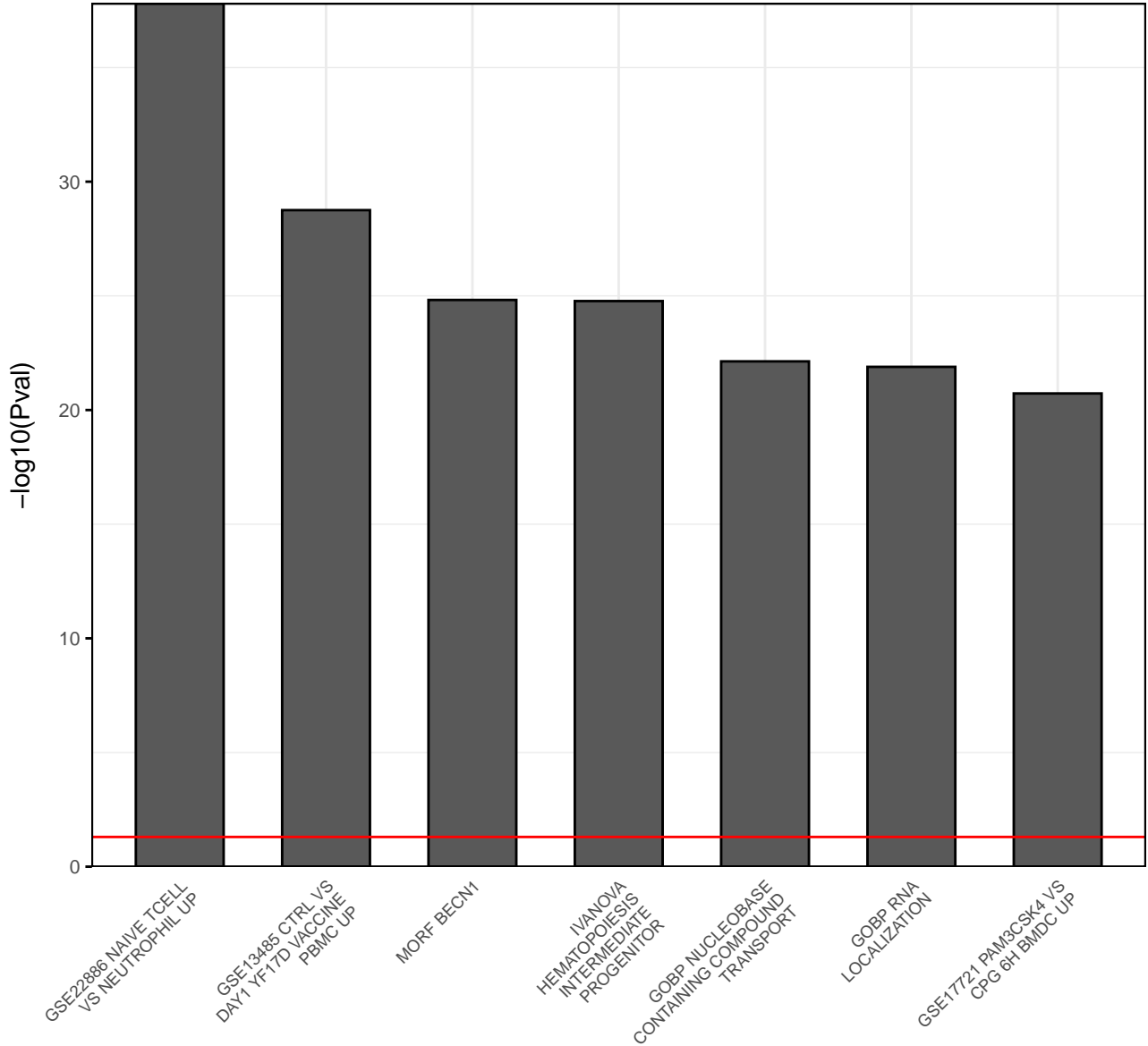


turquoise module
Top 100 by kME
Bicor-None_signum0.577_minSize12_merge_ME_0.85_18566

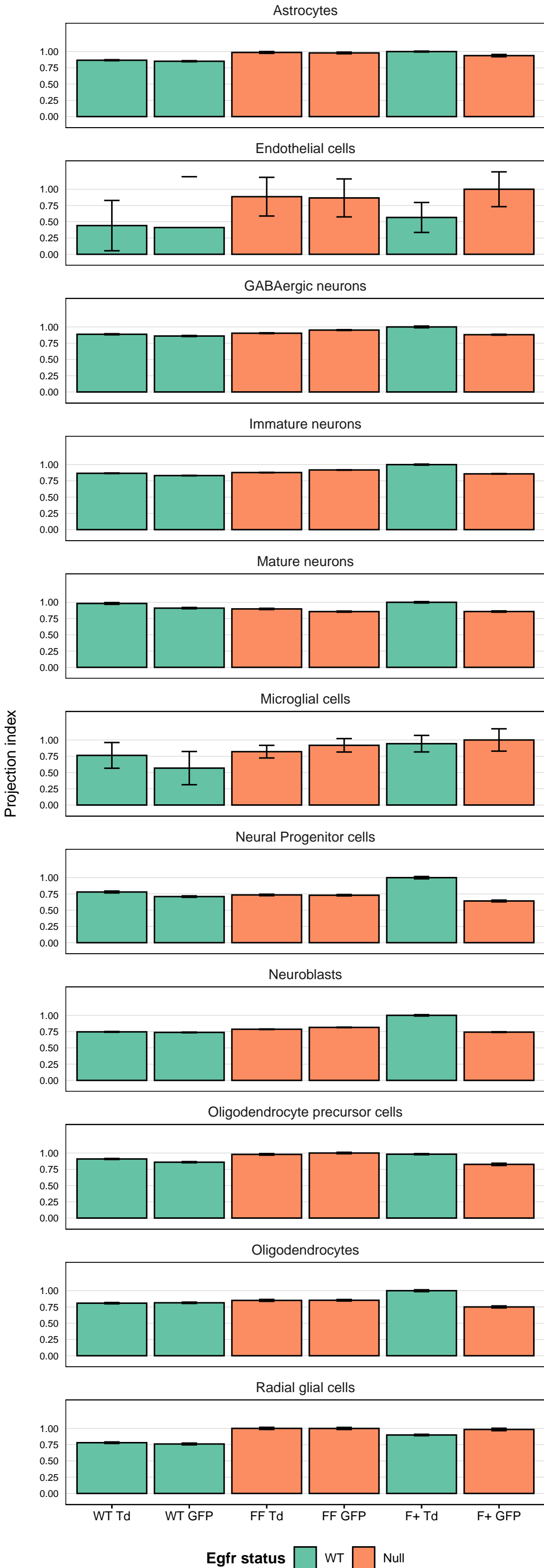


Top genes by kME

Dhrs7b
Ndufs2
Trap1
Seph2
Copz1
Chst10
Adh5
Bap1
Ei24
Timm29
Amfr
Nap114
Brk1
Zdhc16
Ubb
Nipsnap1
Selenof
Atp5a1
Galk2
Amz2

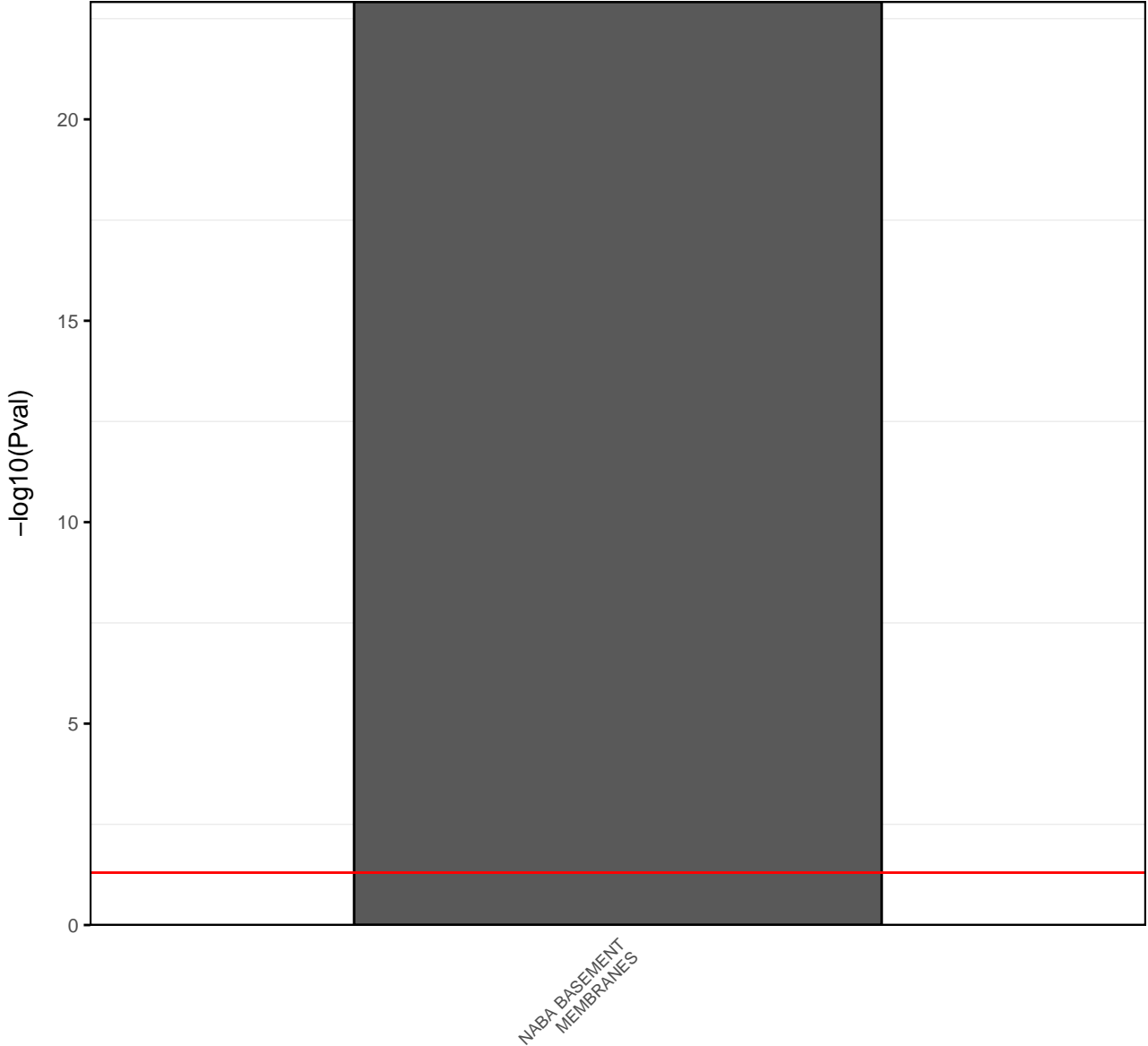


brown module
 Top 100 by kME
 Bicor-None_signum0.551_minSize10_merge_ME_0.85_18566

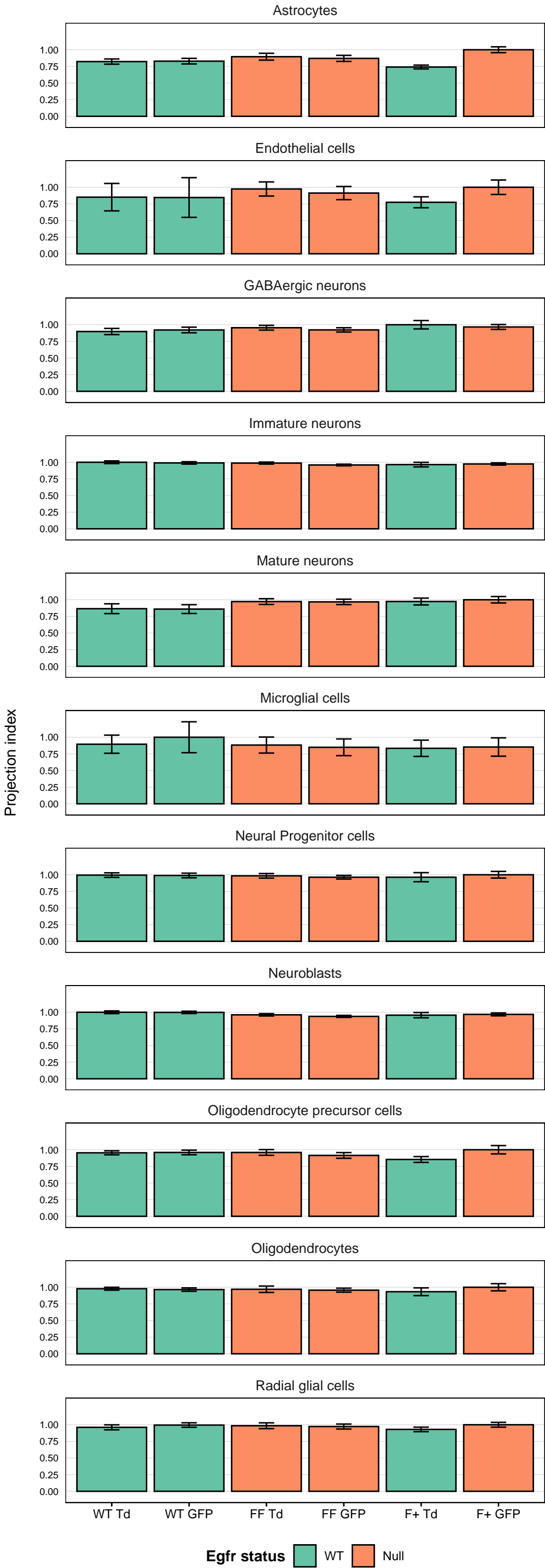


Top genes by kME

Agtrap
 Olfml2a
 Slc16a12
 Col6a1
 Colec12
 Gabpb2
 Bmp7
 Tfpi
 Ripk1
 Kank2
 Dcn
 Cxcl12
 Fcgrt
 Cavin1
 Tgfbr3
 Fam43a
 Vasn
 Abca9
 Slc7a11
 Bmp5

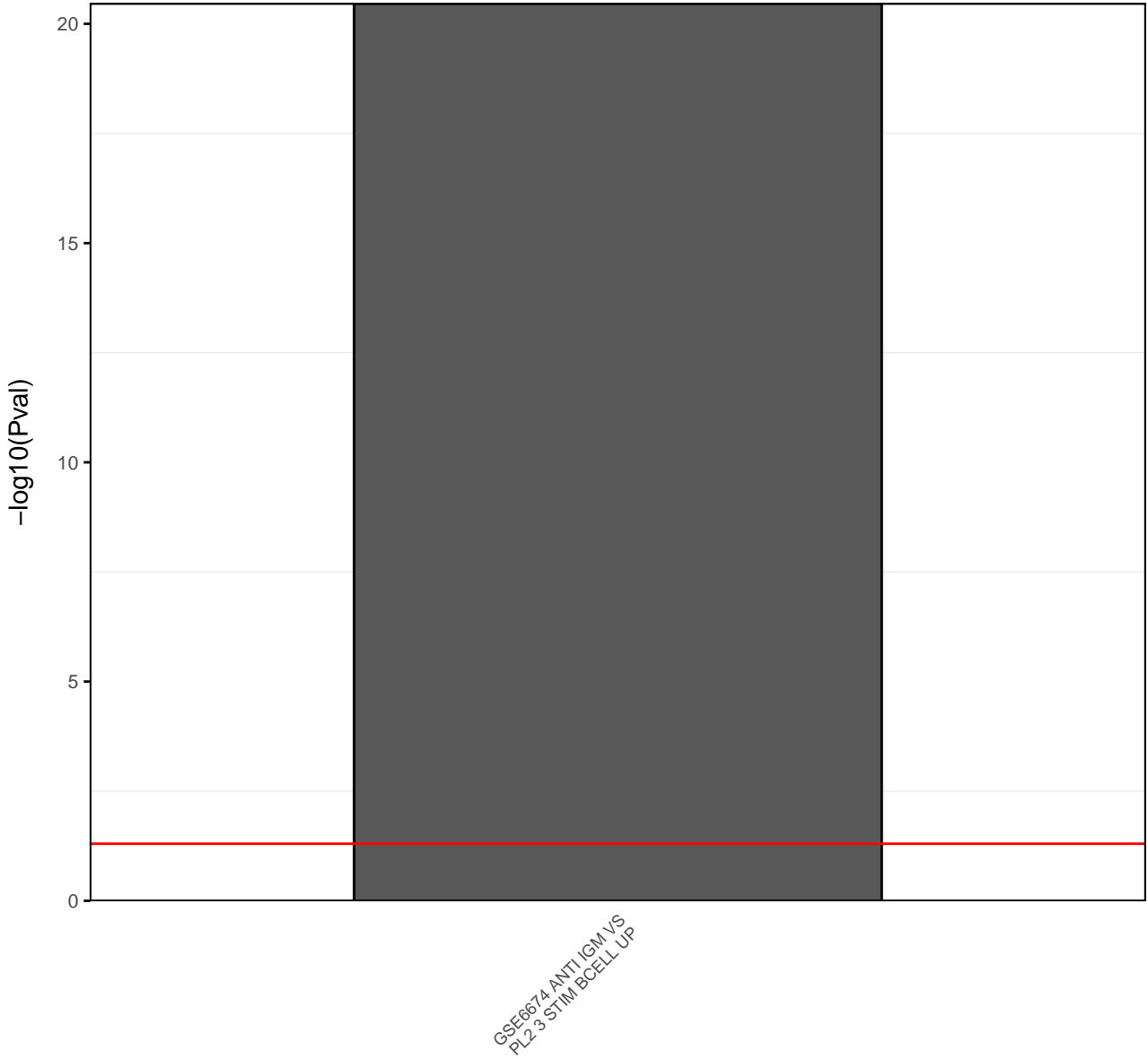


turquoise module
Top 100 by kME
Bicor-None_signum0.551_minSize10_merge_ME_0.85_18566



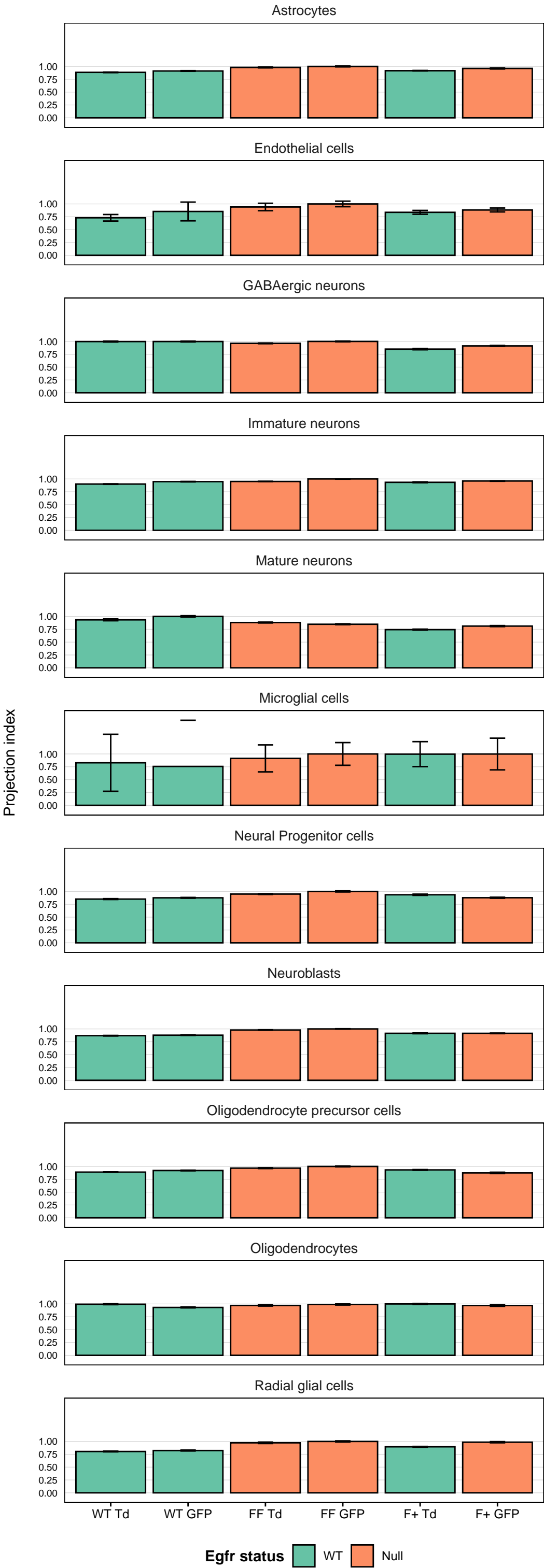
Top genes by kME

Dhrs7b
Adh5
Copz1
Chst10
Ndufs2
Bap1
Trap1
Ei24
Nap1l4
Galk2
Timm29
Seph2
Amfr
Echs1
Pde6d
Brk1
Amz2
Mgat2
Selenof
Nipsnap1



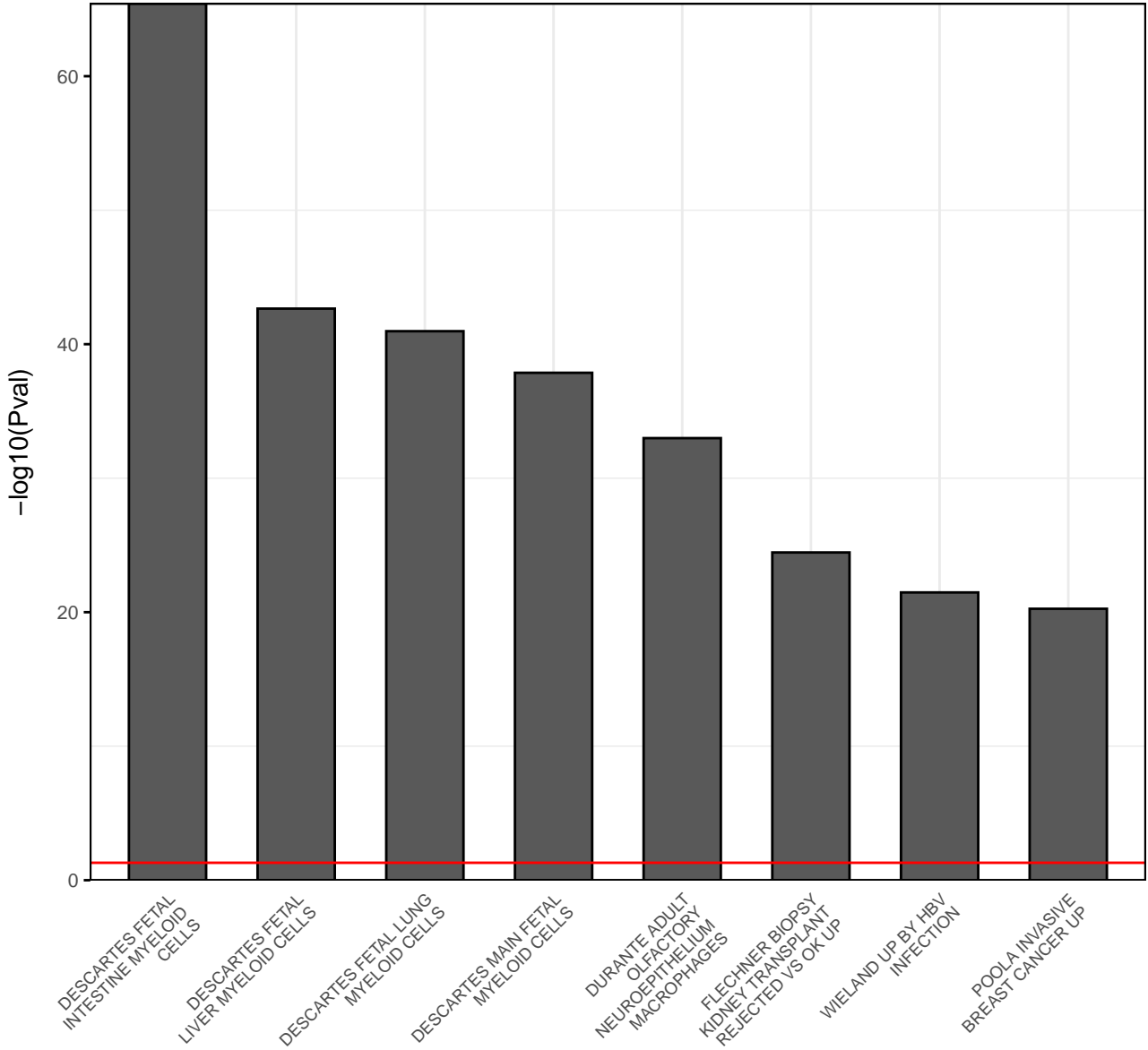
cyan module
Top 100 by kME

Bicor=None_signum0.757_minSize15_merge_ME_0.85_18566

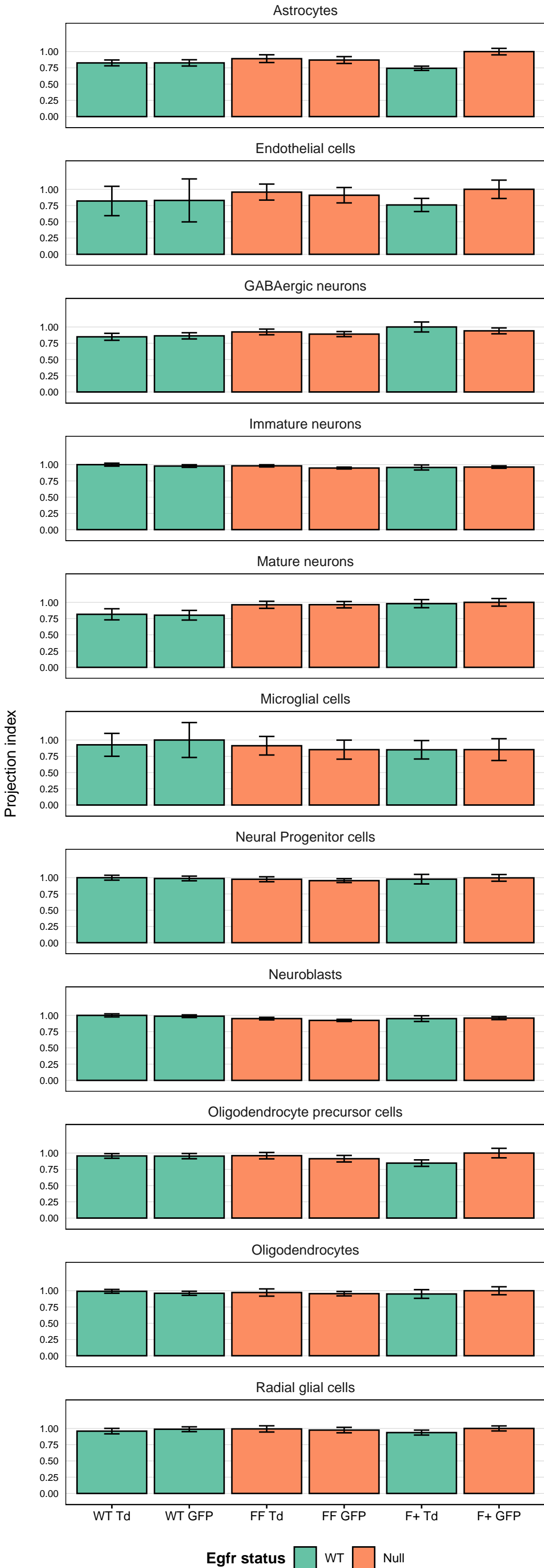


Top genes by kME

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

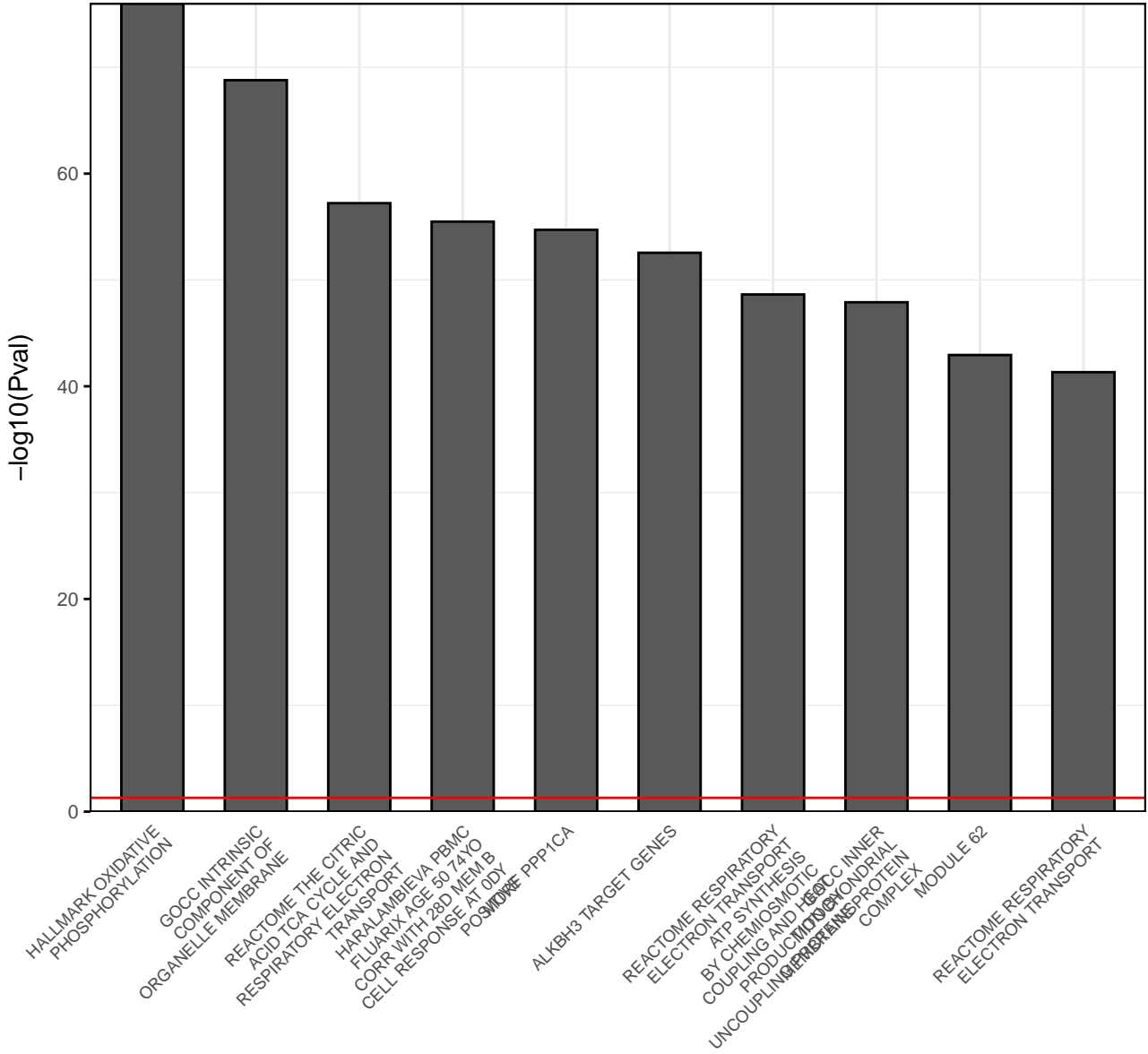


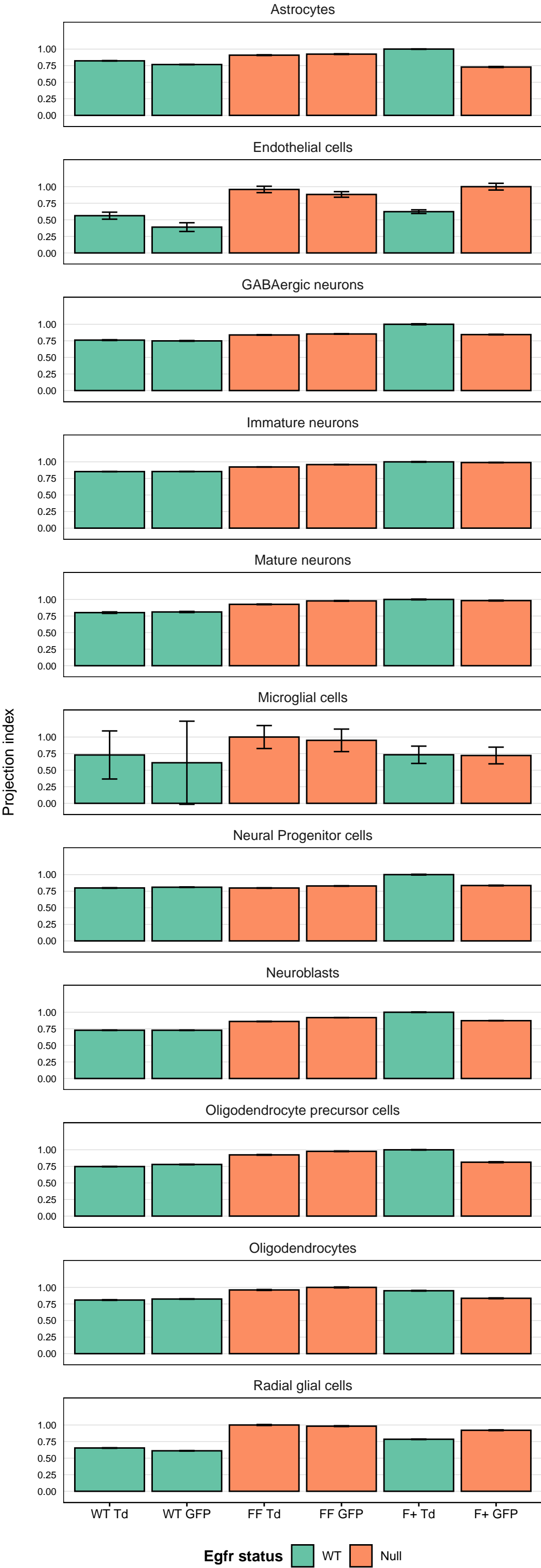
turquoise module
Top 100 by kME
Bicor=None_signum0.757_minSize15_merge_ME_0.85_18566



Top genes by kME

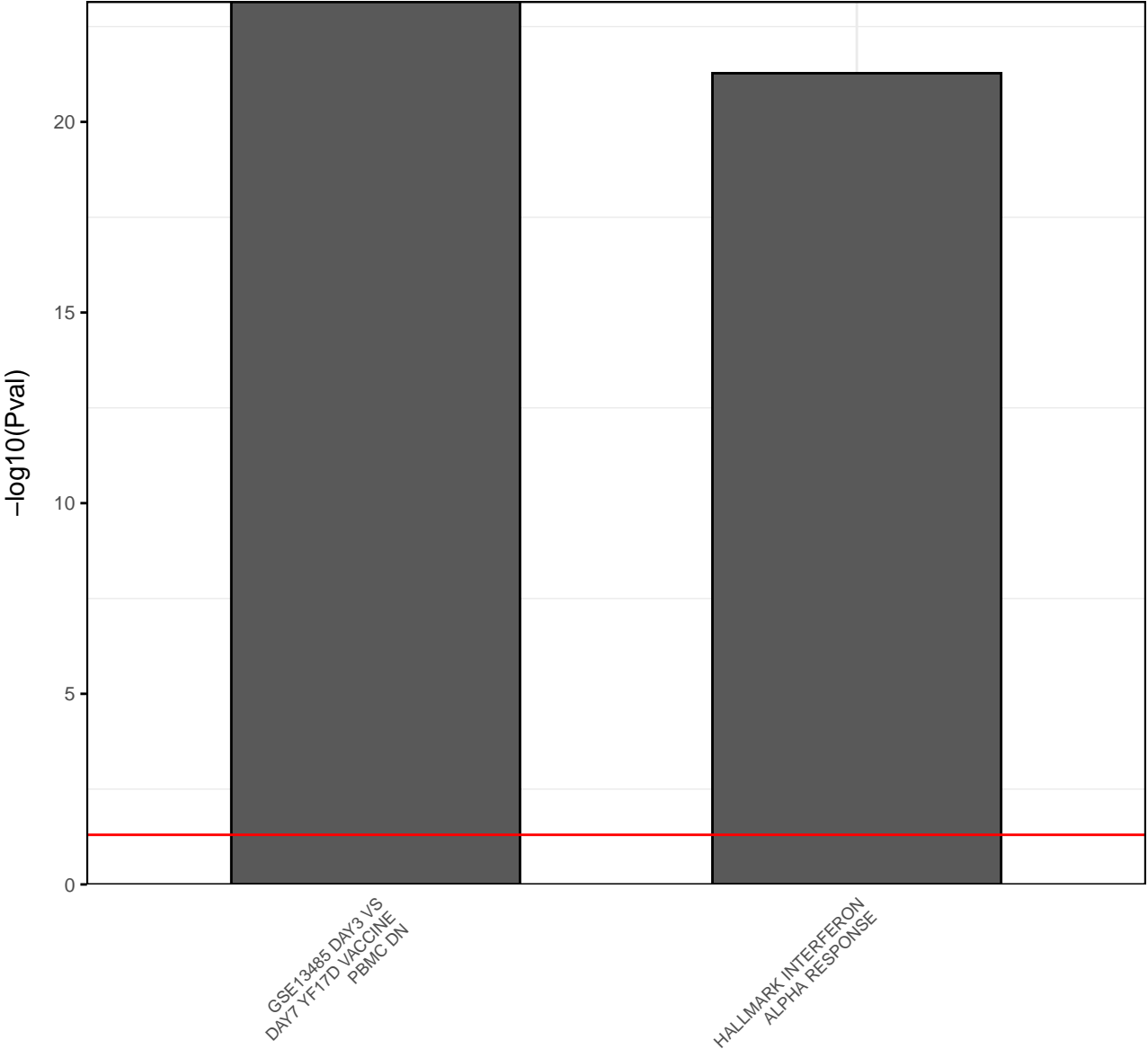
- Dhrs7b
- Ndufs2
- Sephs2
- Nipsnap1
- Ubb
- Amz2
- Chst10
- BC031181
- Vps45
- Tpi1
- Atp5a1
- Selenof
- Psma6
- Copz1
- Vps16
- Dap3
- Mpst
- Zc3hc1
- Ociad1
- Adh5





Top genes by kME

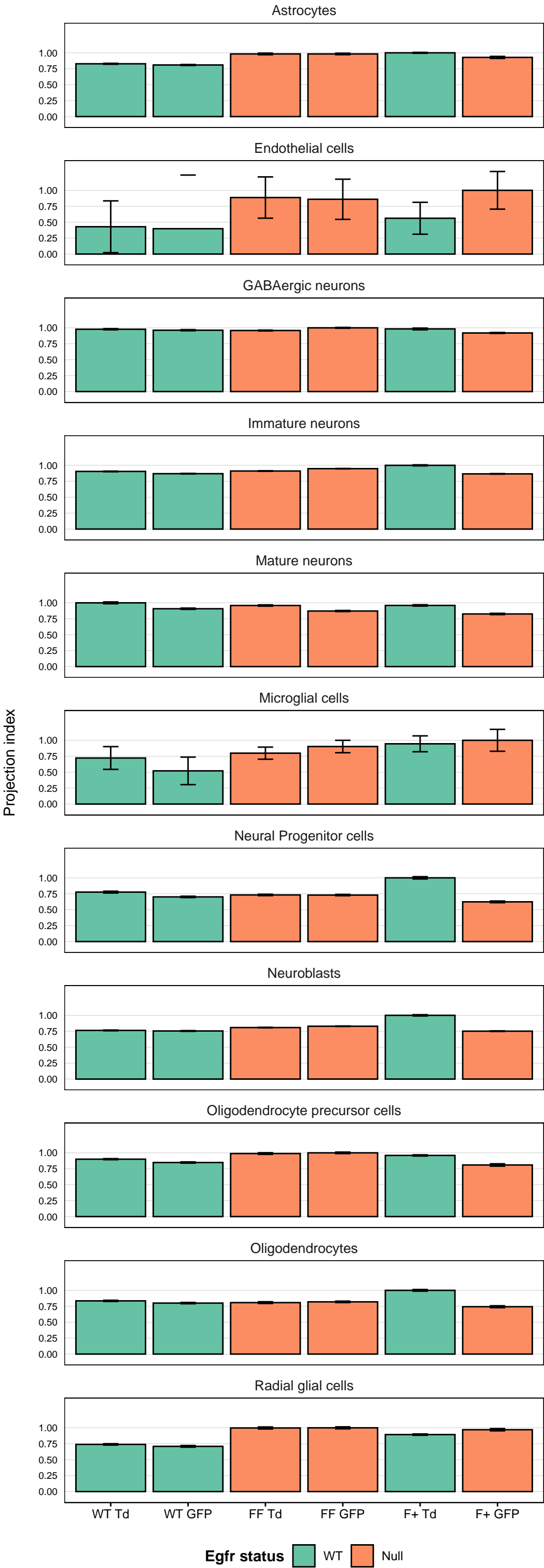
Saa3
Cfb
Ms4a4c
Plac8
Zbp1
Gm19299
Gm12971
F10
C3
Hp
Gpr141
Isg15
Ifi211
Fpr3
Plbd1
Fgr
Il1b
C6
Oasl2
Gm15579



yellow module

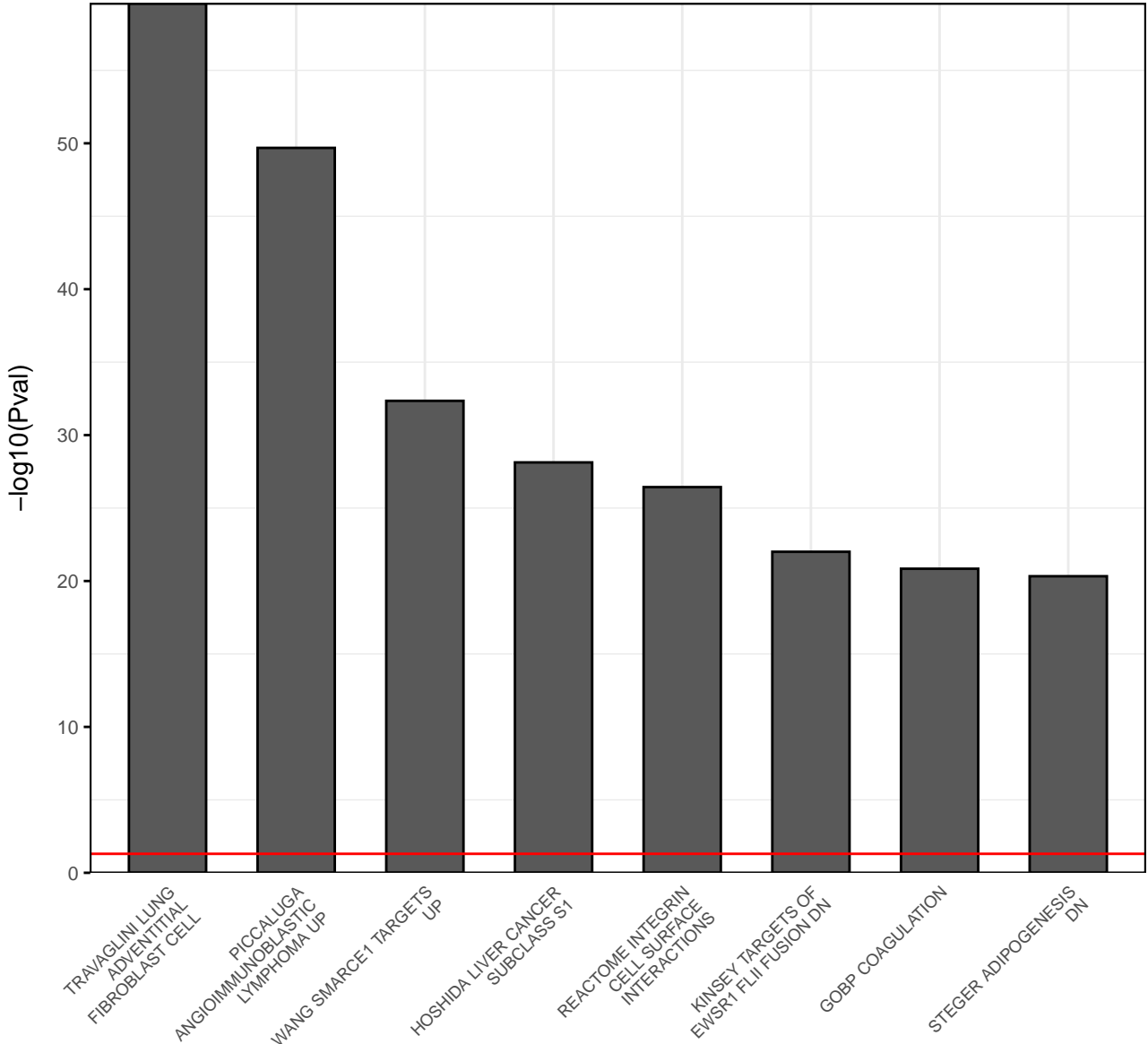
Top 100 by kME

Bicor-None_signum0.757_minSize15_merge_ME_0.85_18566

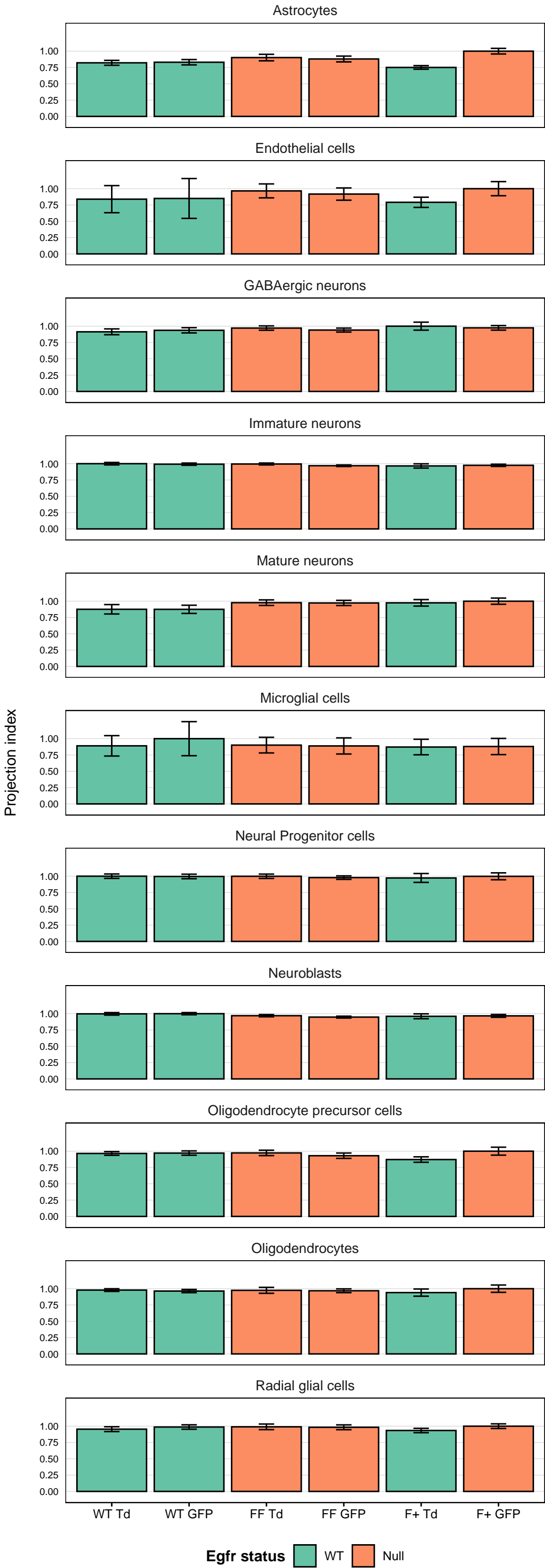


Top genes by kME

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

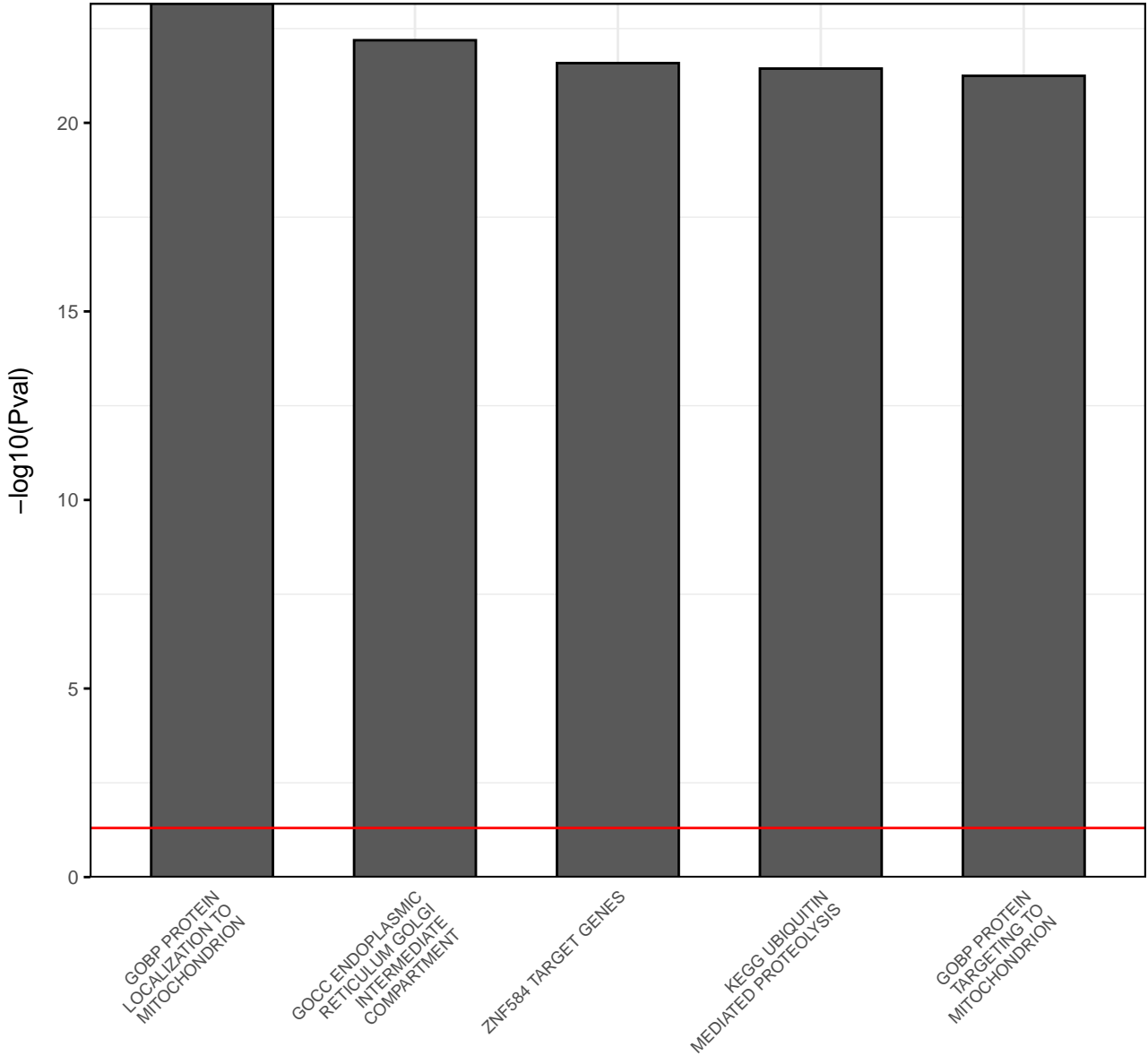


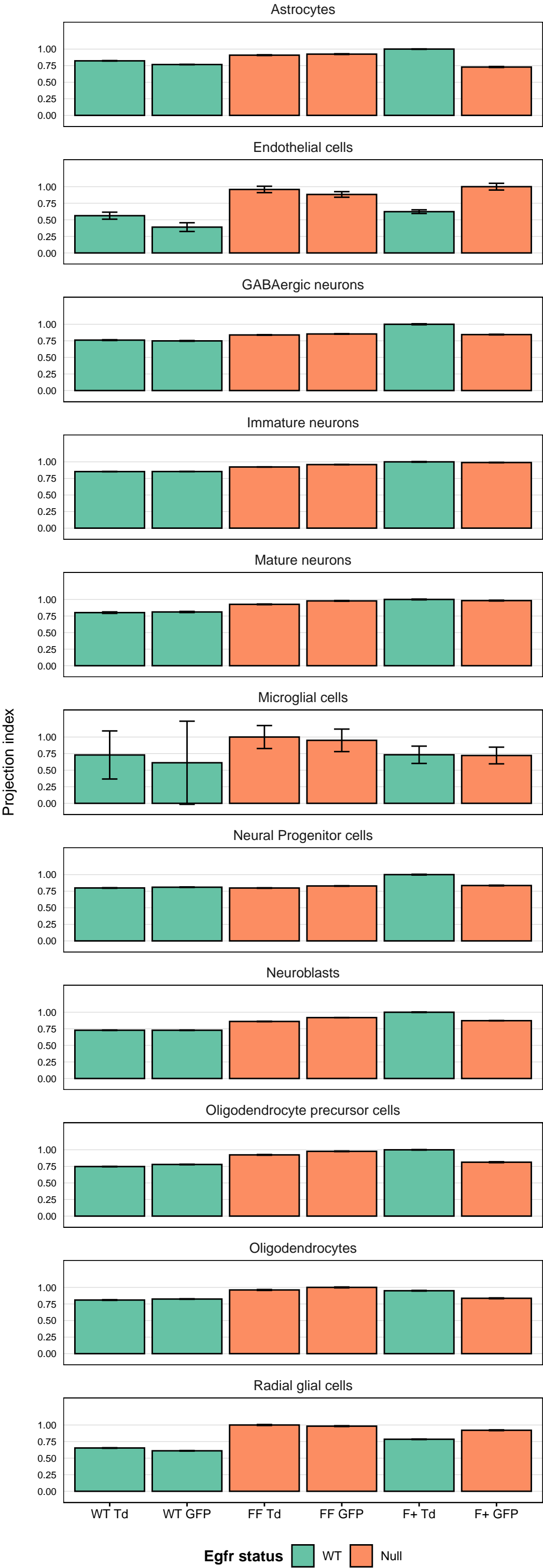
turquoise module
Top 100 by kME
Bicor-None_signum0.508_minSize12_merge_ME_0.85_18566



Top genes by kME

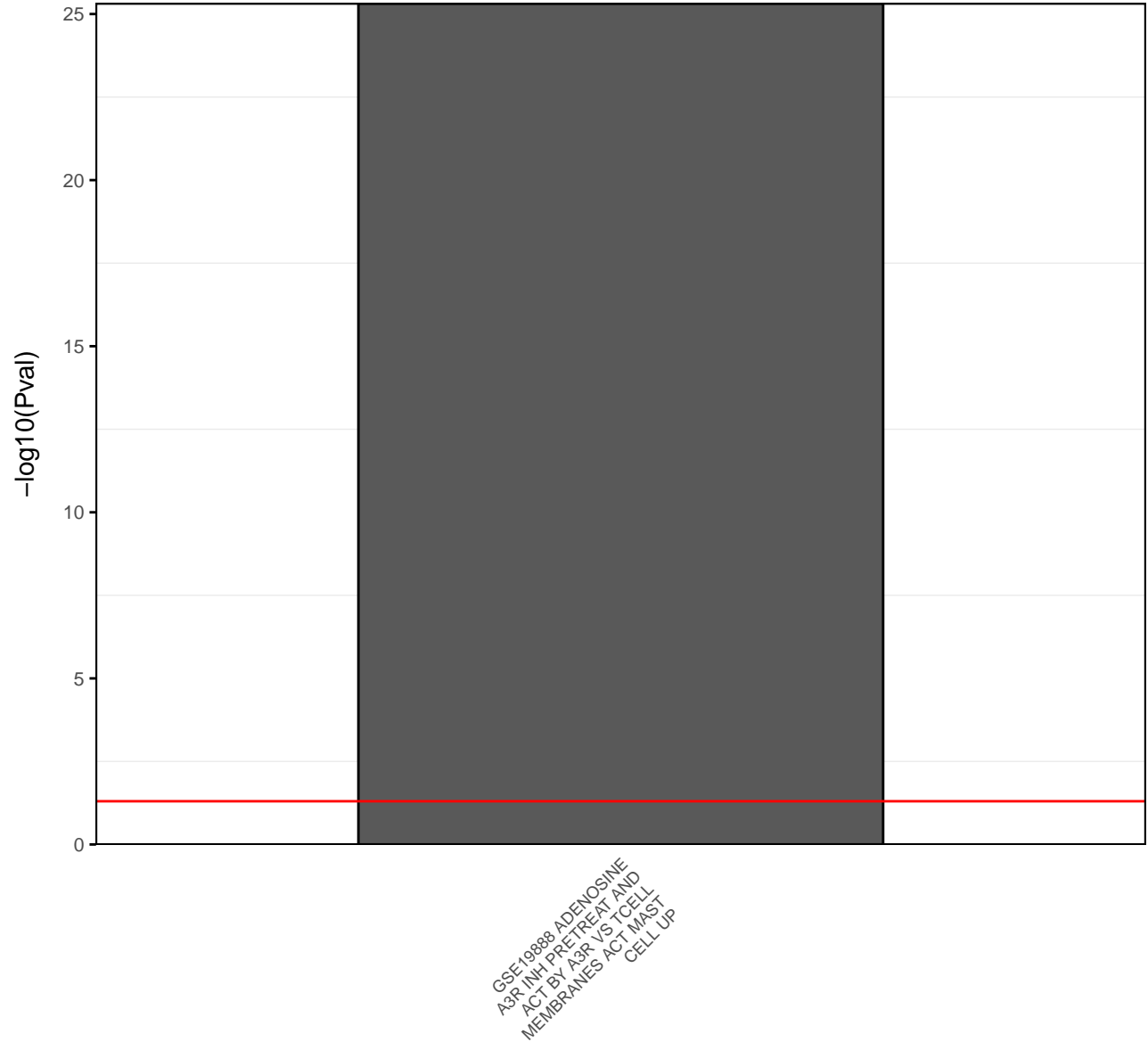
Dhrs7b
Trap1
Copz1
Ndufs2
Bap1
Seph2
Ei24
Adh5
Chst10
Amfr
Timm29
Nap1l4
Zdhc16
Brk1
Mgat2
Atp5a1
Rnft2
Ubb
Spr
Galk2





Top genes by kME

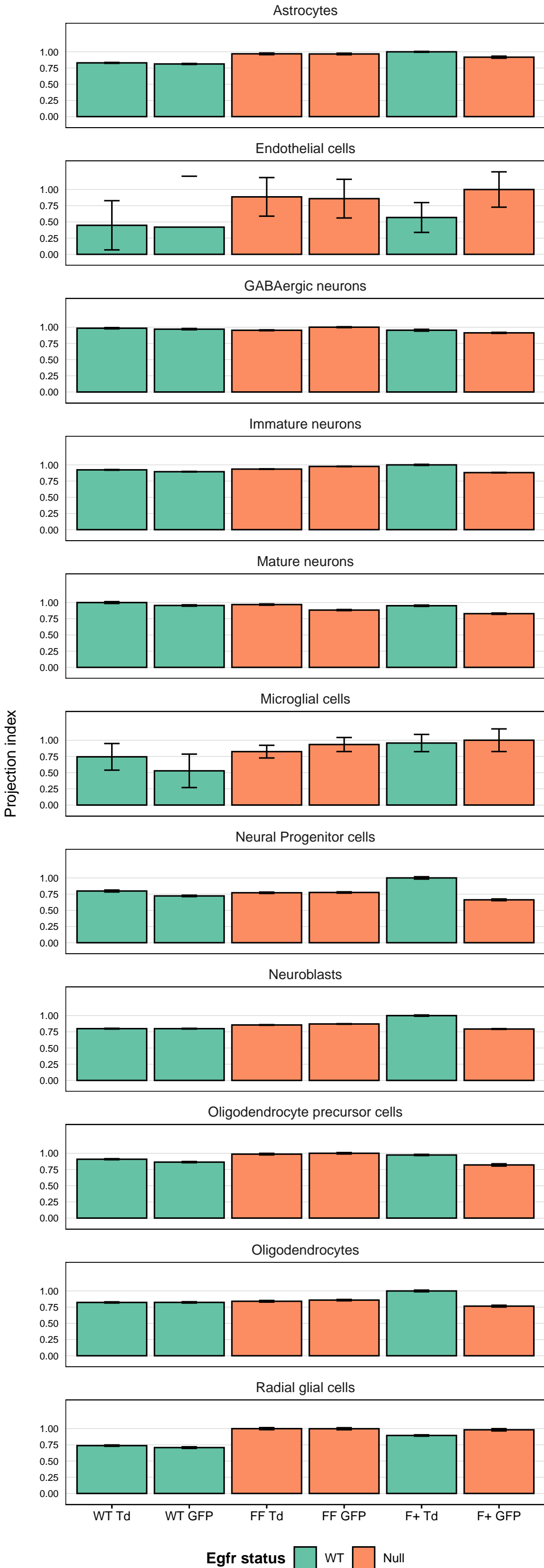
Saa3
Cfb
Ms4a4c
Plac8
Zbp1
Gm19299
Gm12971
F10
C3
Hp
Gpr141
Isg15
Ifi211
Fpr3
Plbd1
Fgr
Il1b
C6
Oasl2
Gm15579



green module

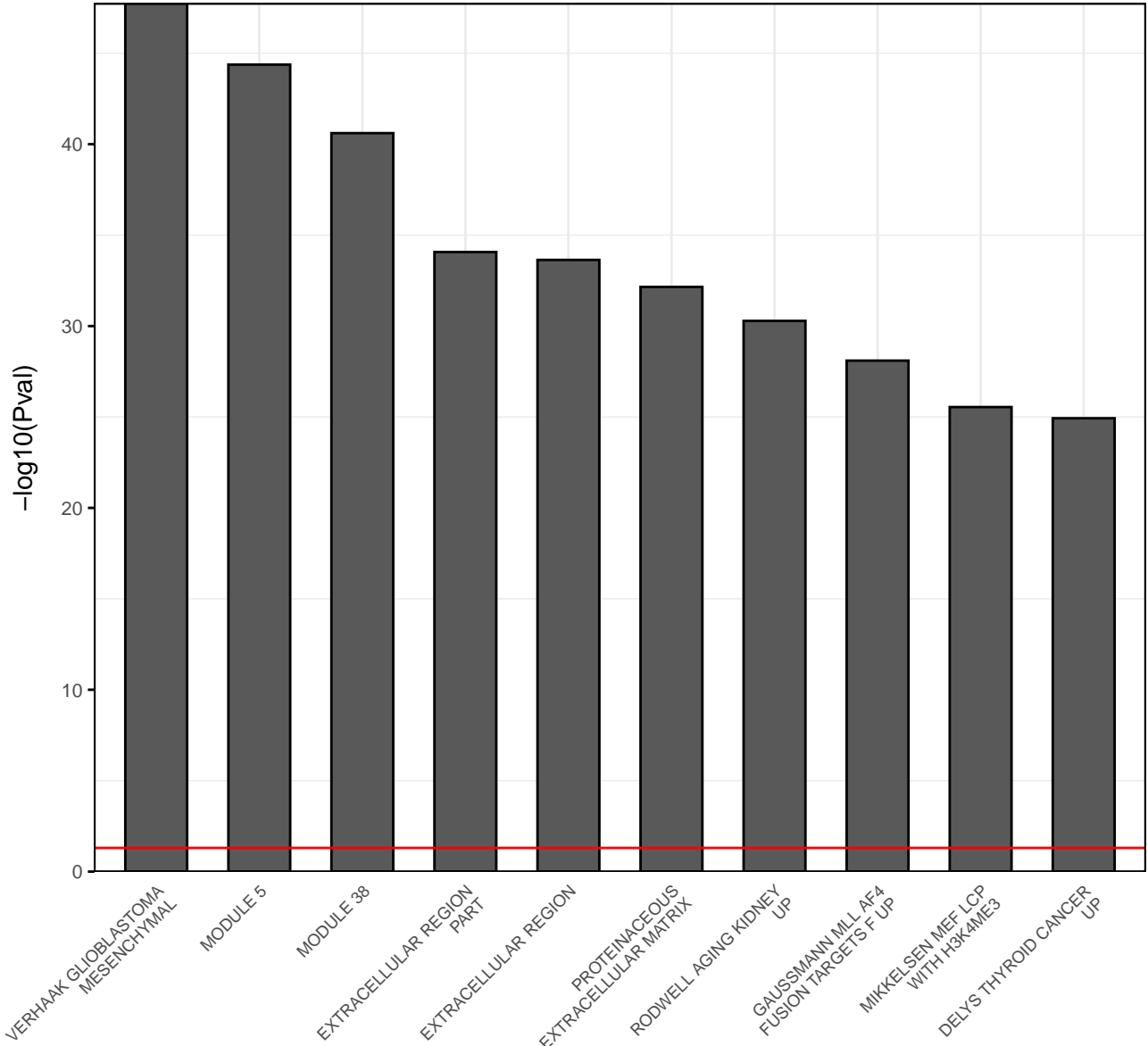
Top 100 by kME

Bicor=None_signum0.69_minSize15_merge_ME_0.85_18566



Top genes by kME

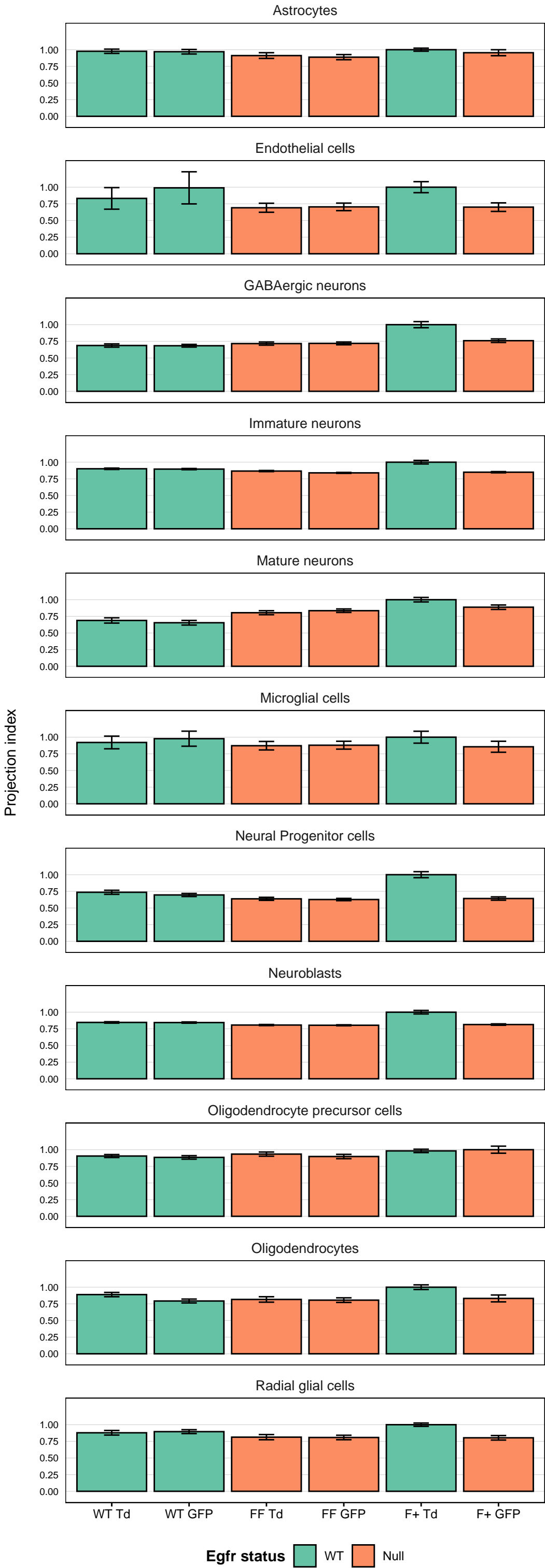
Zfp1
Klhl20
Ik
Nono
Mfap1a
Gm7324
Rab8a
Ctr9
Gripap1
Cxxc1
Dnajc8
Tlk2
Ppil4
Fam98b
Maco1
Pa2g4
Sh3bp5
Cwc15
Hnrnpm
Dnttip2



greenyellow module

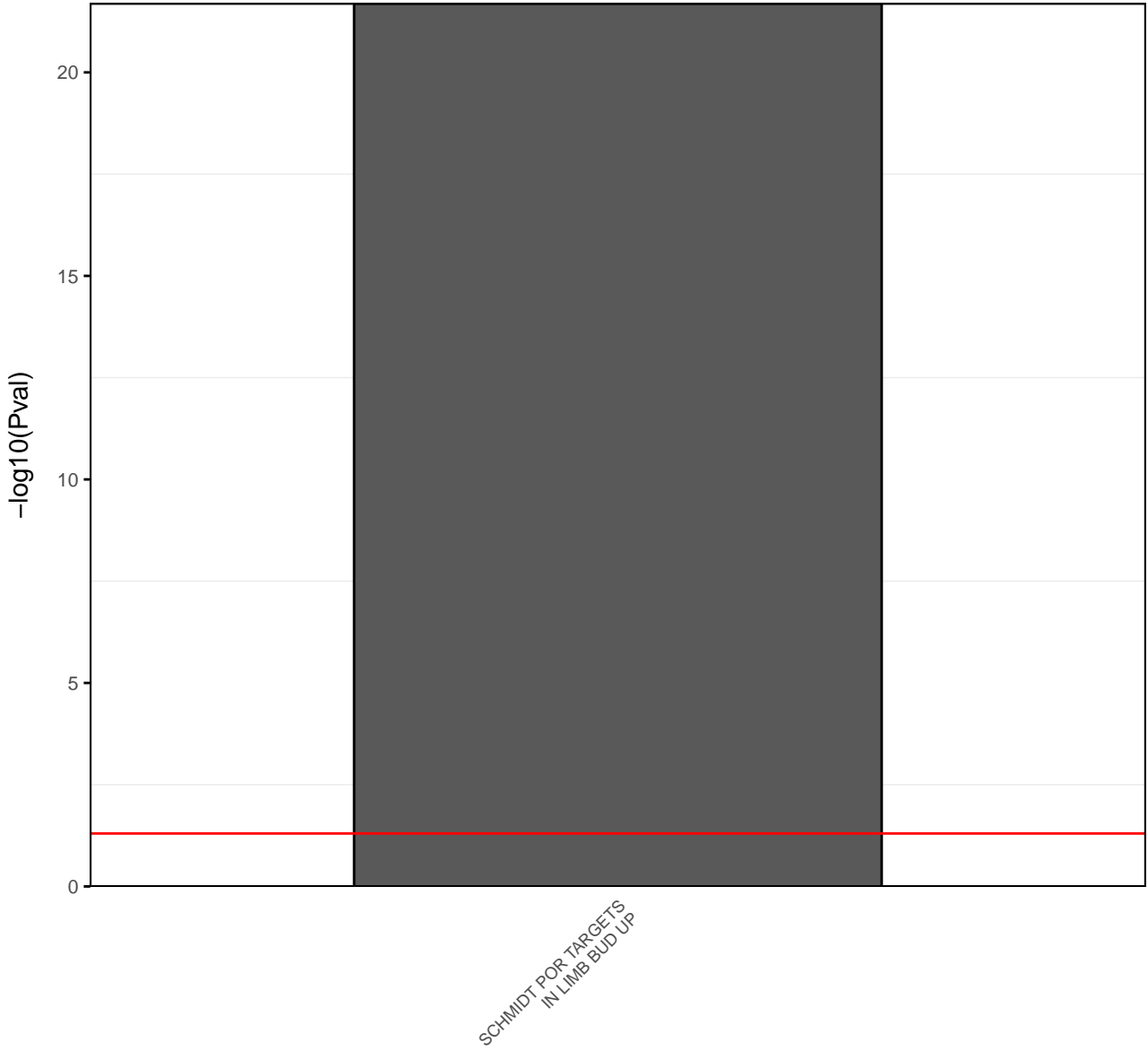
Top 100 by kME

Bicor=None_sigum0.69_minSize15_merge_ME_0.85_18566

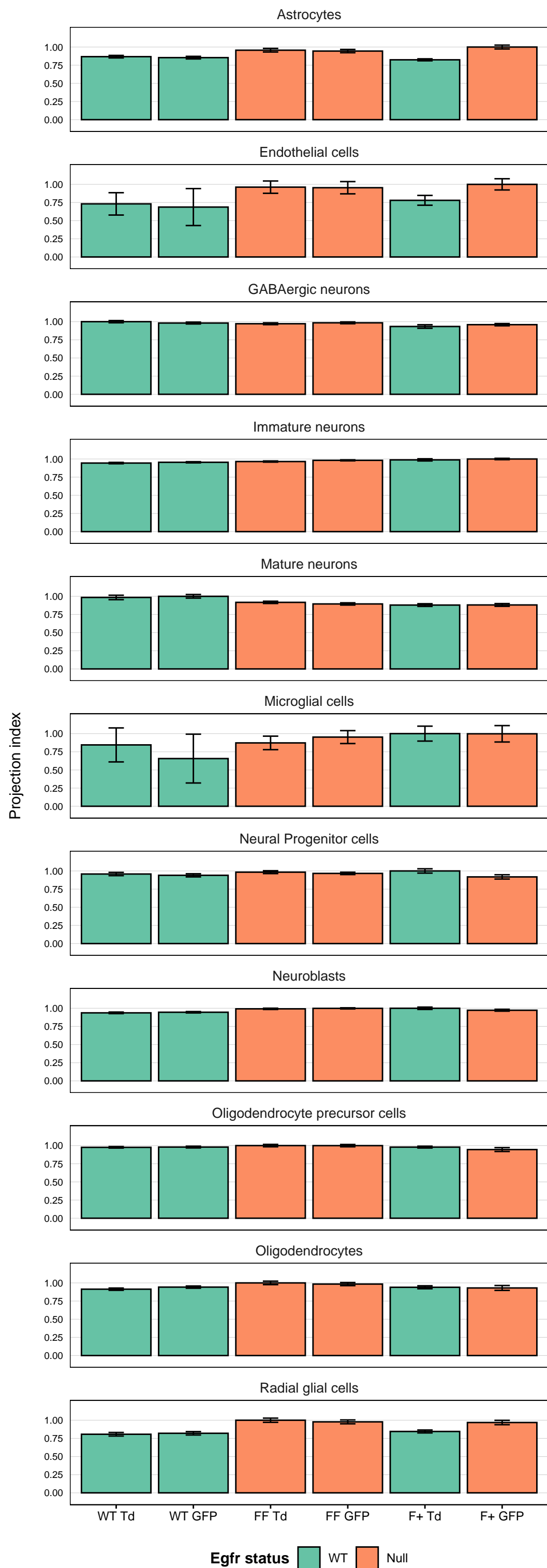


Top genes by kME

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

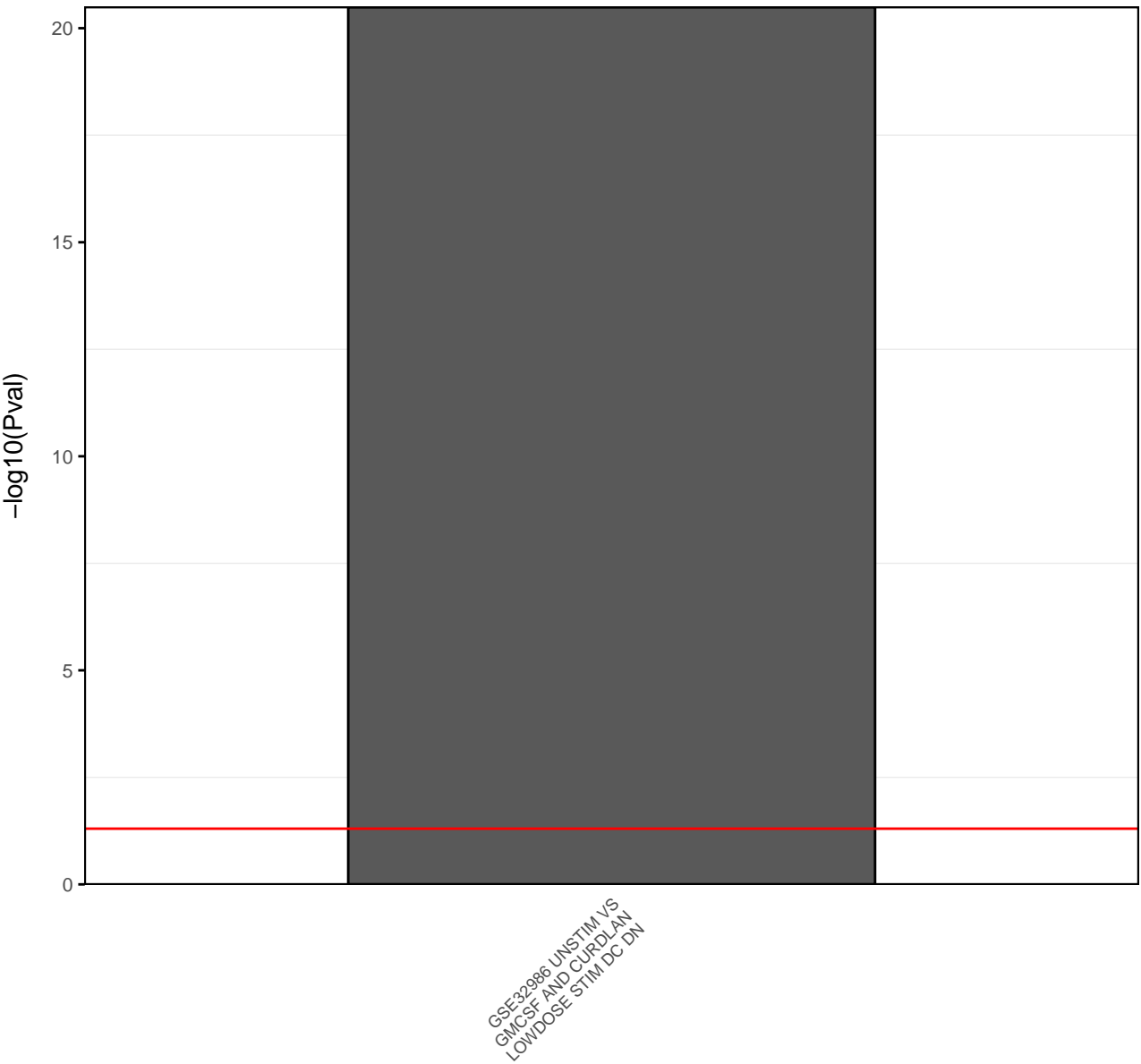


orange module
Top 100 by kME
Bicor-None_signum0.69_minSize15_merge_ME_0.85_18566

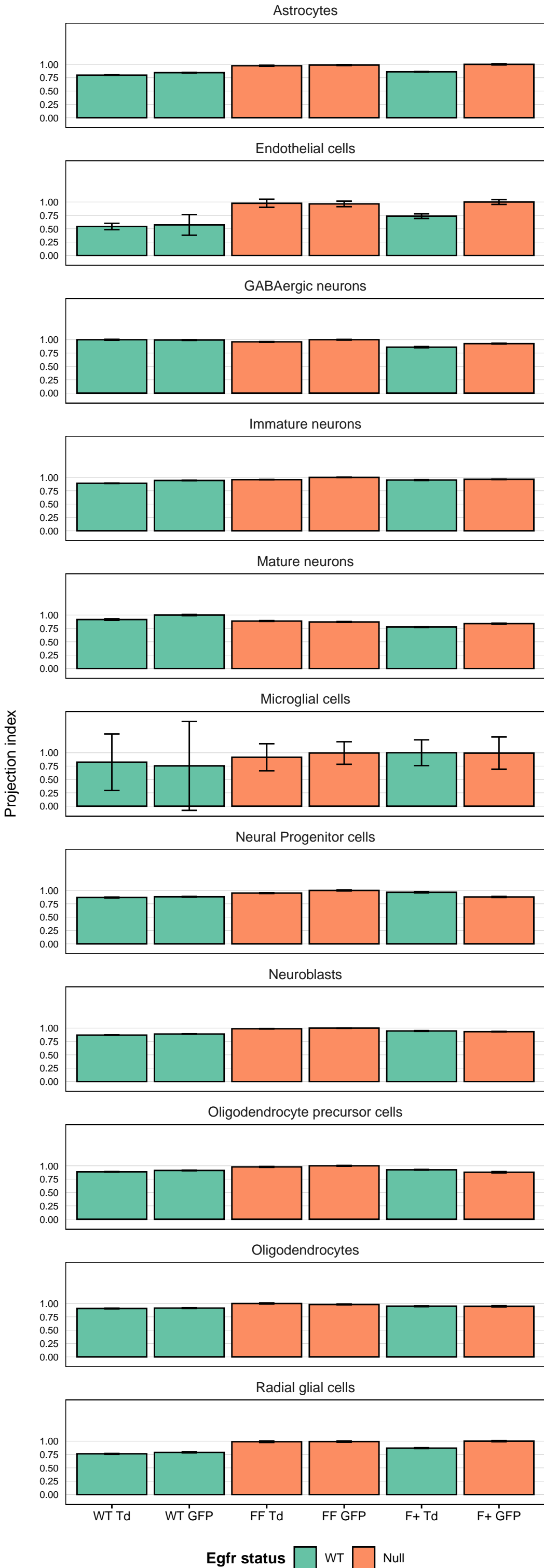


Top genes by kME

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

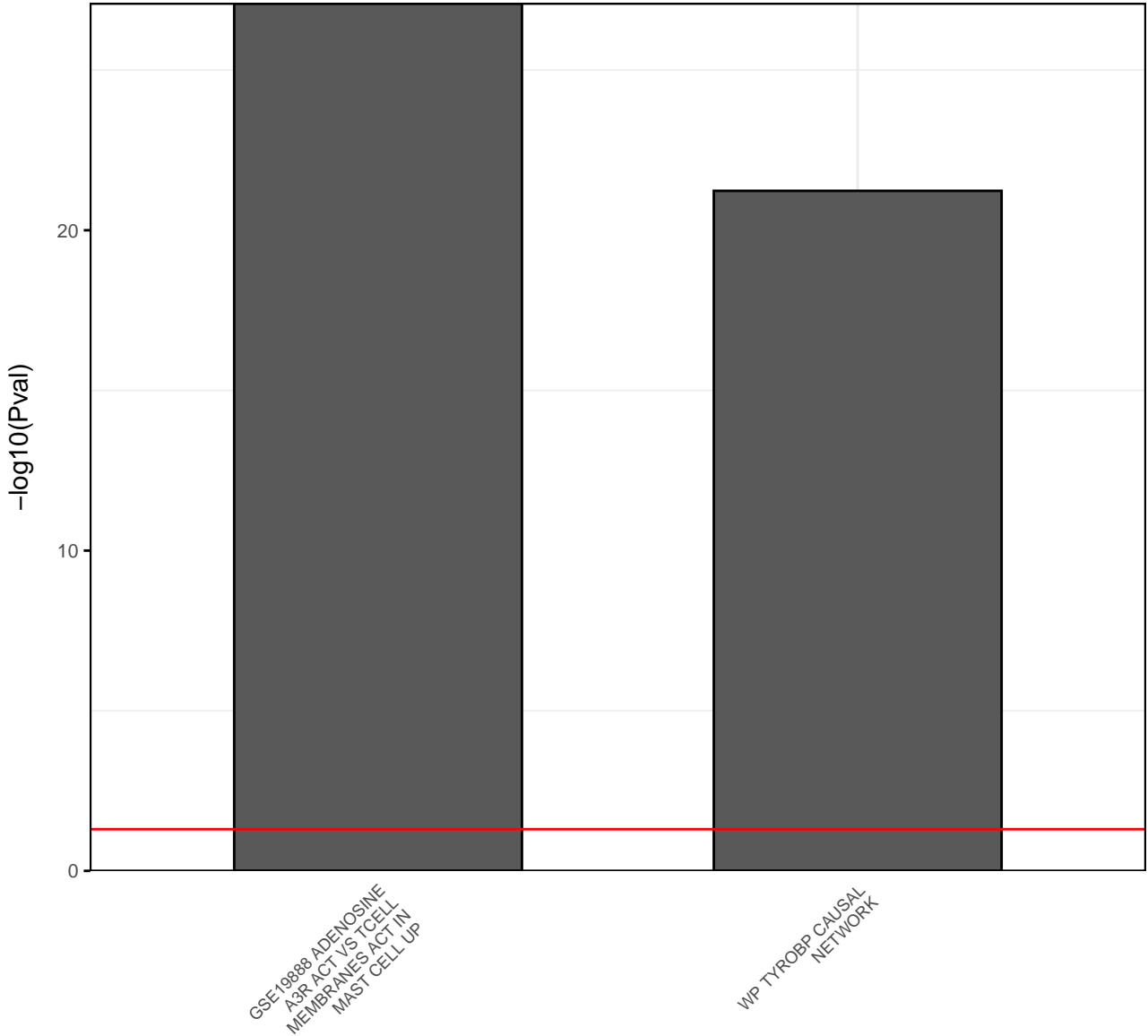


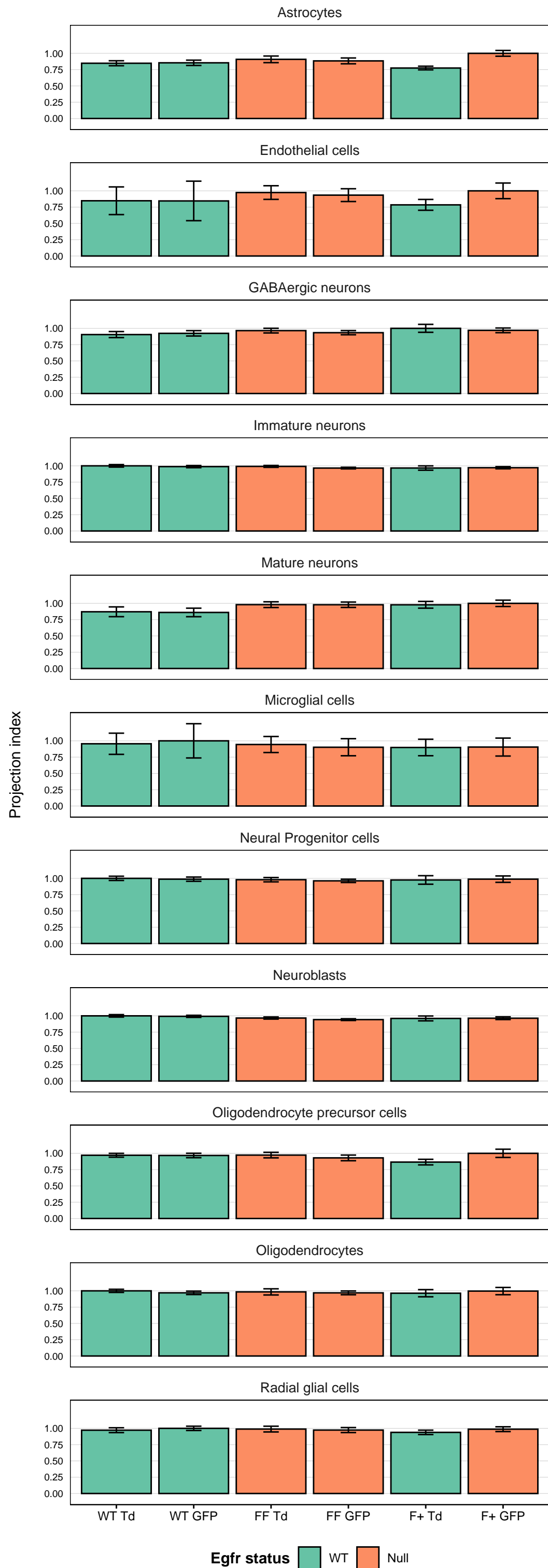
salmon module
Top 100 by kME
Bicor=None_signum0.69_minSize15_merge_ME_0.85_18566



Top genes by kME

Naip5
Cyba
Ncf1
Aif1
Adgre1
Rab32
1700012D14Rik
Unc93b1
Nckap1l
Cd53
Fcgr1
Slc37a2
Naip2
Il10ra
Fyb
Myo1f
AB124611
Pld4
Tnfaip8l2
Aoah





Top genes by kME

Saa3
Cfb
Ms4a4c
Plac8
Zbp1
Gm19299
Gm12971
F10
C3
Hp
Gpr141
Isg15
Ifi211
Fpr3
Plbd1
Fgr
Il1b
C6
Oasl2
Gm15579

