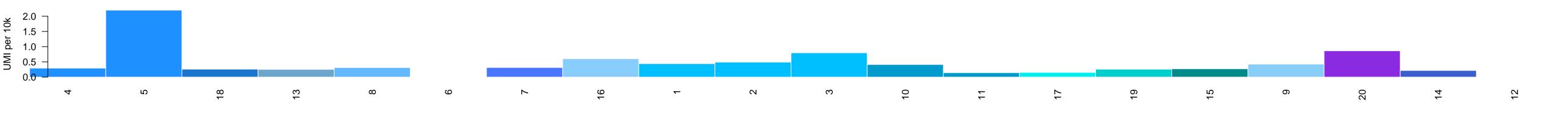
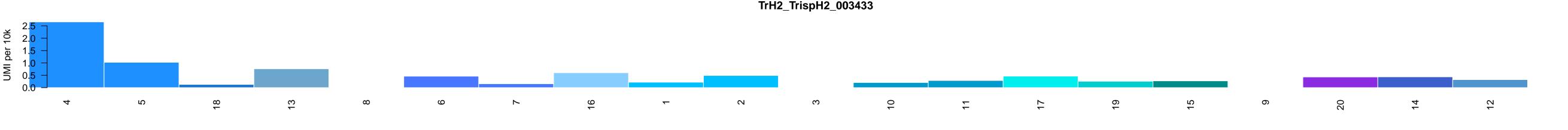
Aa\_trans.HG1.12:SLC36A1/SLC36A2/SLC36A3/SLC36A4 TrH2\_TrispH2\_001826

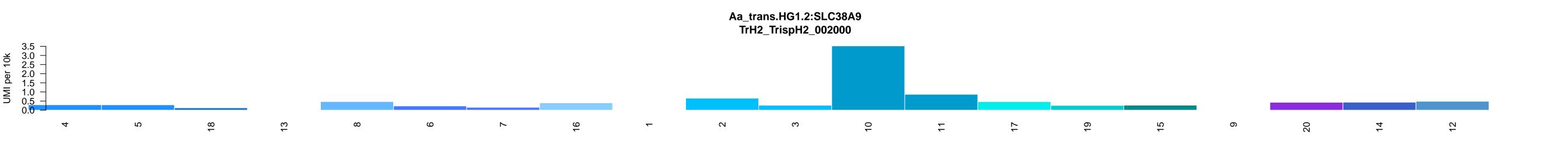


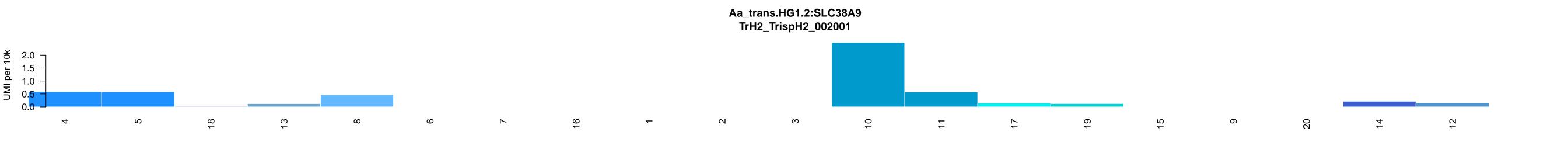
Aa\_trans.HG1.14:SLC38A10 TrH2\_TrispH2\_003433



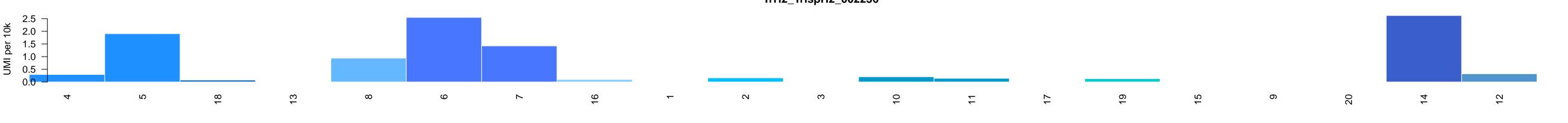
Aa\_trans.HG1.16:like:SLC36A1/SLC36A2/SLC36A3/SLC36A4 TrH2\_TrispH2\_008714



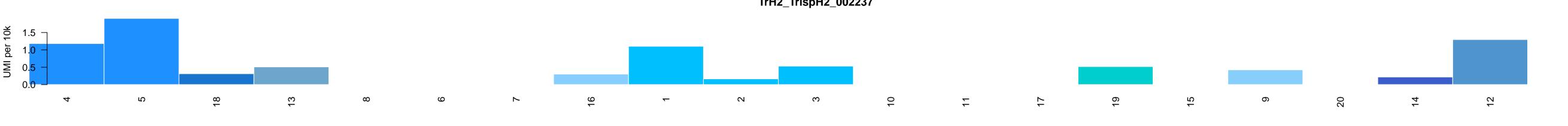




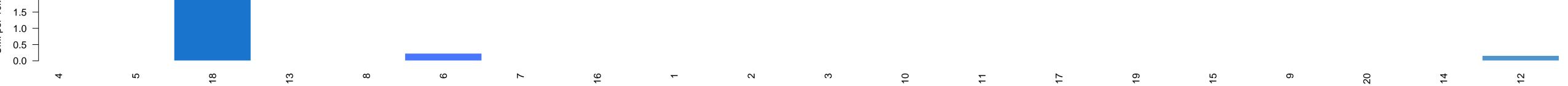
Aa\_trans.HG1.4:SLC38A11 TrH2\_TrispH2\_002236



Aa\_trans.HG1.4:SLC38A11 TrH2\_TrispH2\_002237







# ANF\_receptor.HG1.18:like:GRM1/GRM2/GRM3/GRM4/GRM5/GRM6/GRM7/GRM8 TrH2\_TrispH2\_001842



ANF\_receptor.HG1.18:like:GRM1/GRM2/GRM3/GRM4/GRM5/GRM6/GRM7/GRM8

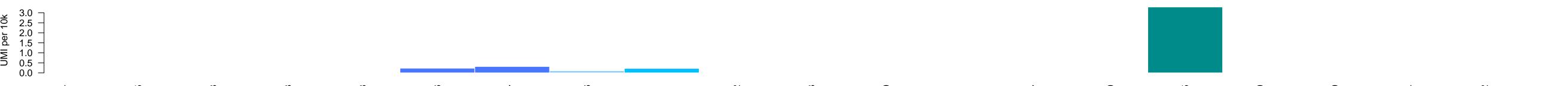
TrH2\_TrispH2\_001843



### ANF\_receptor.HG1.2:like:CASR/GPRC6A/TAS1R1/TAS1R2/TAS1R3 TrH2\_TrispH2\_001749



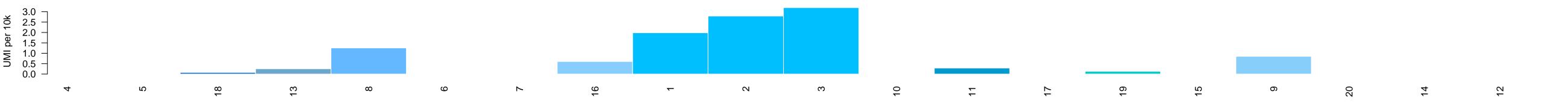
#### ANF\_receptor.HG1.2:like:CASR/GPRC6A/TAS1R1/TAS1R2/TAS1R3 TrH2\_TrispH2\_001750



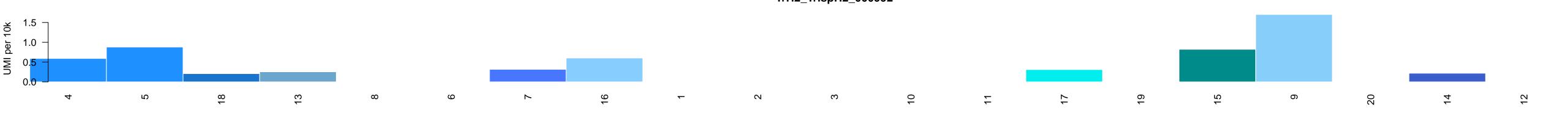
## ANF\_receptor.HG1.2:like:CASR/GPRC6A/TAS1R1/TAS1R2/TAS1R3 TrH2\_TrispH2\_001751



ANF\_receptor.HG1.37:like:CASR/GPRC6A/TAS1R1/TAS1R2/TAS1R3 TrH2\_TrispH2\_000991



ANF\_receptor.HG1.41:like:CASR/GPRC6A/TAS1R1/TAS1R2/TAS1R3 TrH2\_TrispH2\_000992



#### ANF\_receptor.HG1.47:like:CASR/GPRC6A/TAS1R1/TAS1R2/TAS1R3 TrH2\_TrispH2\_003771



#### ANF\_receptor.HG1.48:like:CASR/GPRC6A/TAS1R1/TAS1R2/TAS1R3 TrH2\_TrispH2\_003773



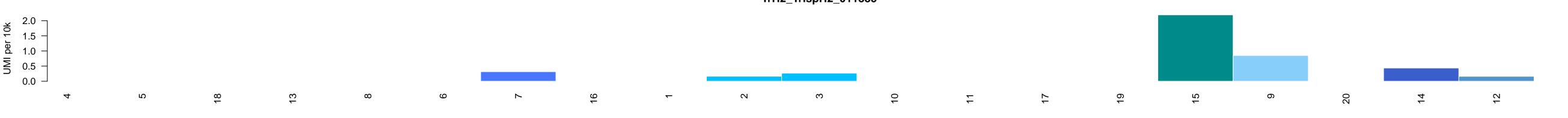
# ANF\_receptor.HG1.54:like:CASR/GPRC6A/TAS1R1/TAS1R2/TAS1R3 TrH2\_TrispH2\_011884







ANF\_receptor.HG1.54:like:CASR/GPRC6A/TAS1R1/TAS1R2/TAS1R3 TrH2\_TrispH2\_011885



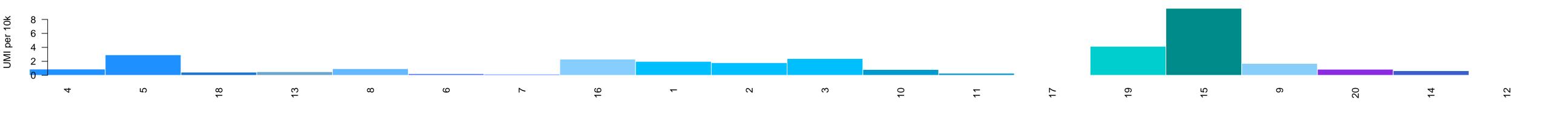




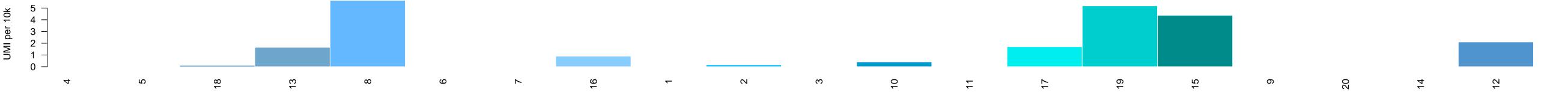
#### ANF\_receptor.HG1.64:like:CASR/GPRC6A/TAS1R1/TAS1R2/TAS1R3 TrH2\_TrispH2\_010119



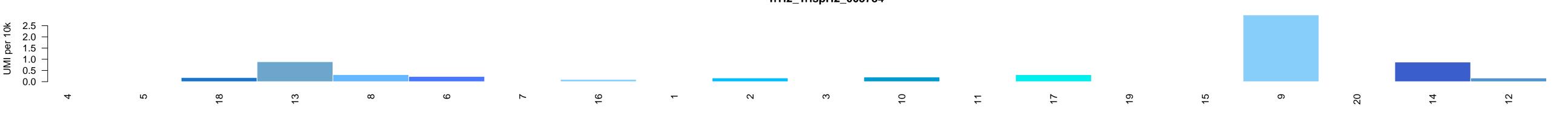
ANF\_receptor.HG2.10:like:GABBR1/GABBR2 TrH2\_TrispH2\_003275



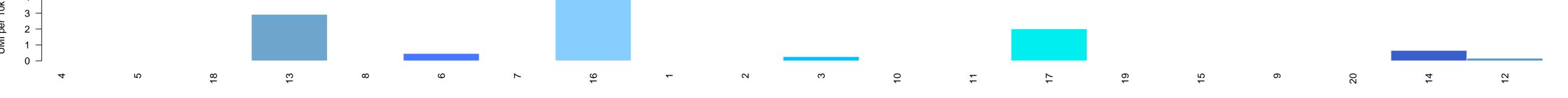
ANF\_receptor.HG2.10:like:GABBR1/GABBR2 TrH2\_TrispH2\_008289



ANF\_receptor.HG2.11:like:GABBR1/GABBR2 TrH2\_TrispH2\_005784



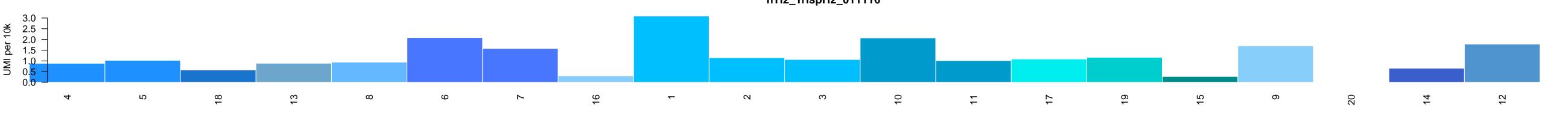
ANF\_receptor.HG2.12:like:GABBR1/GABBR2
TrH2\_TrispH2\_003379



## ANF\_receptor.HG2.13:like:GABBR1/GABBR2 TrH2\_TrispH2\_004463



ANF\_receptor.HG2.14:like:GABBR1/GABBR2 TrH2\_TrispH2\_011116



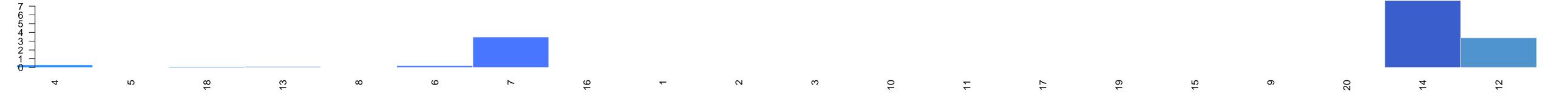




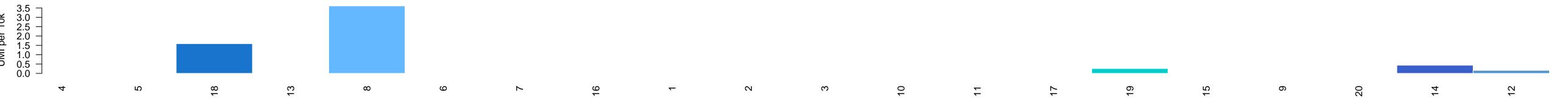






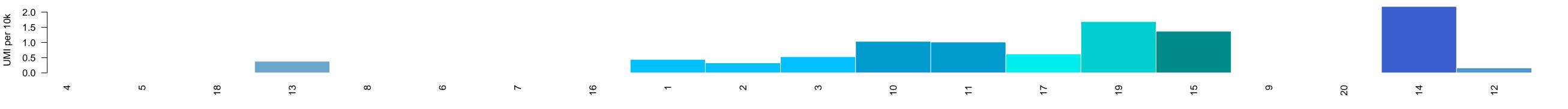


ANF\_receptor.HG2.19:like:GABBR1/GABBR2 TrH2\_TrispH2\_006904



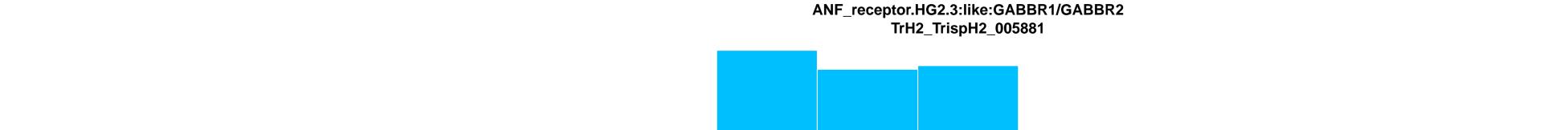
ANF\_receptor.HG2.23:like:GABBR1/GABBR2 TrH2\_TrispH2\_008779

ANF\_receptor.HG2.3:like:GABBR1/GABBR2 TrH2\_TrispH2\_004695











ANF\_receptor.HG2.3:like:GABBR1/GABBR2 TrH2\_TrispH2\_005882







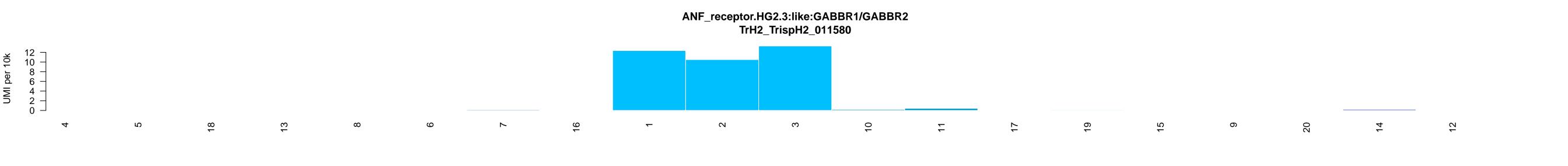






#### ANF\_receptor.HG2.3:like:GABBR1/GABBR2 TrH2\_TrispH2\_010562























### ANF\_receptor.HG2.31:like:GABBR1/GABBR2 TrH2\_TrispH2\_005748



7



ANF\_receptor.HG2.32:like:GABBR1/GABBR2 TrH2\_TrispH2\_005747

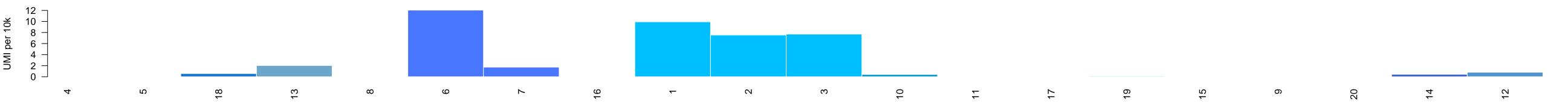




### ANF\_receptor.HG2.4:like:GABBR1/GABBR2 TrH2\_TrispH2\_004736



#### ANF\_receptor.HG2.4:like:GABBR1/GABBR2 TrH2\_TrispH2\_004737







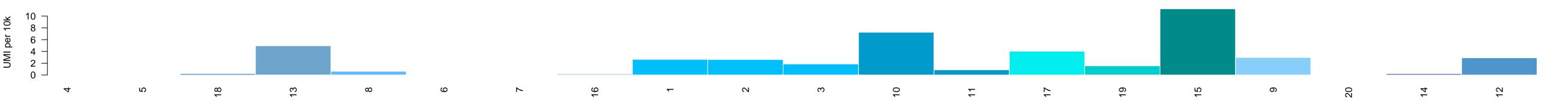






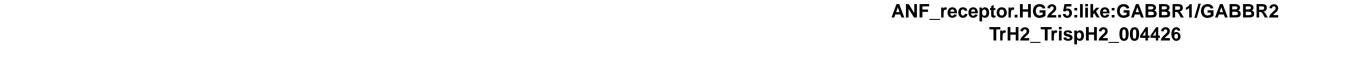


ANF\_receptor.HG2.47:like:GABBR1/GABBR2 TrH2\_TrispH2\_010138



ANF\_receptor.HG2.5:like:GABBR1/GABBR2 TrH2\_TrispH2\_000233



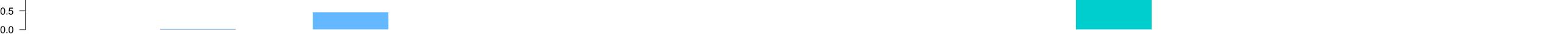




### ANF\_receptor.HG2.5:like:GABBR1/GABBR2 TrH2\_TrispH2\_006332

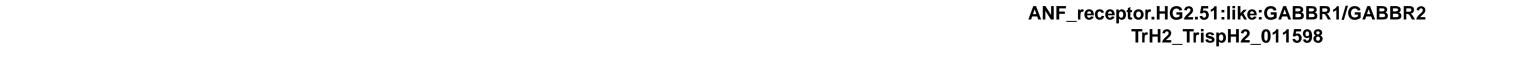


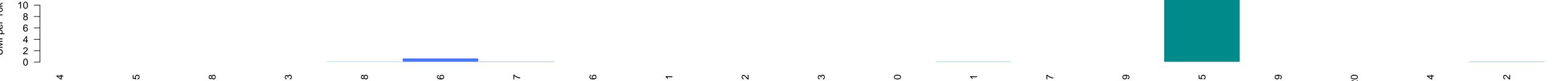
7



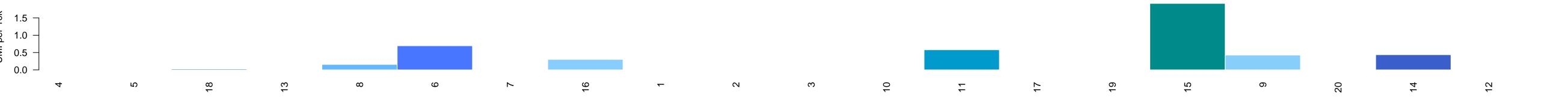




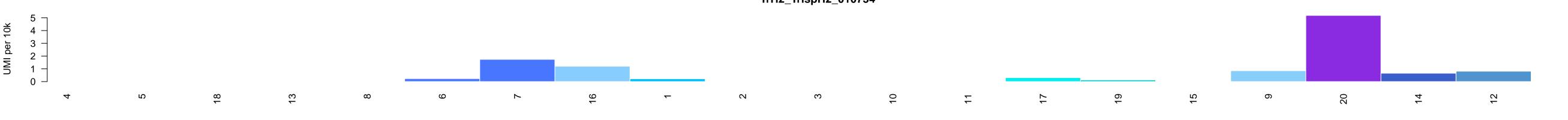




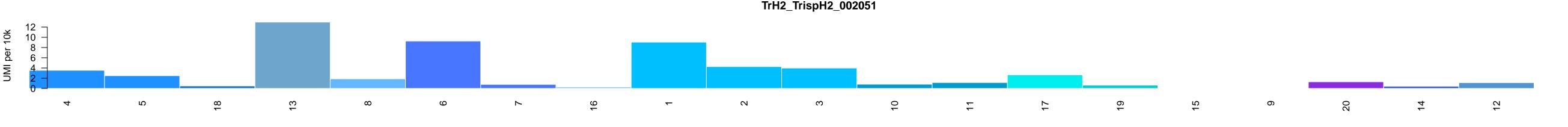




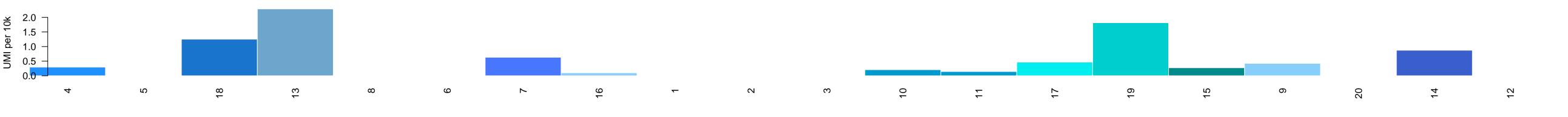
#### ANF\_receptor.HG3.3:like:GRIN1/GRIN2A/GRIN2B/GRIN2C/GRIN2D TrH2\_TrispH2\_010734



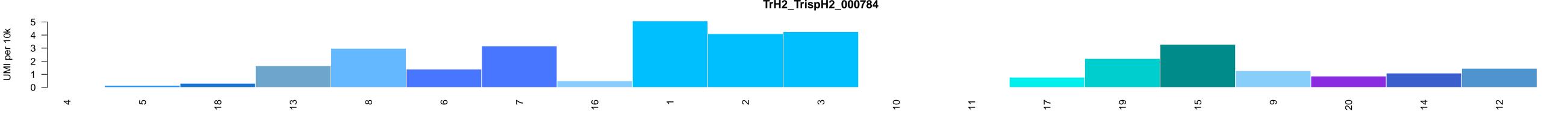
ANF\_receptor.HG4.6:like:GUCY2D/GUCY2F/NPR1/NPR2/NPR3 TrH2\_TrispH2\_002051



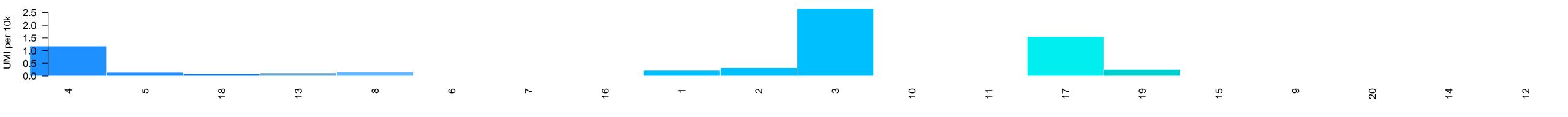
ANF\_receptor.HG4.6:like:GUCY2D/GUCY2F/NPR1/NPR2/NPR3 TrH2\_TrispH2\_003698



ANF\_receptor.HG4.9:like:GUCY2D/GUCY2F/NPR1/NPR2/NPR3 TrH2\_TrispH2\_000784

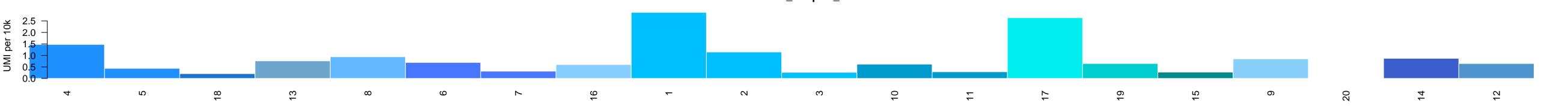


ANF\_receptor.HG4.9:like:GUCY2D/GUCY2F/NPR1/NPR2/NPR3 TrH2\_TrispH2\_002264

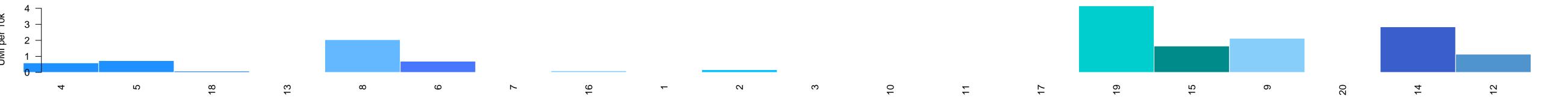


Caps.HG1.1:UNC13A/UNC13B/UNC13C;Synaptotagmin.HG1.66:UNC13A/UNC13C;Unc13.HG1.1:UNC13A/UNC13B/UNC13C

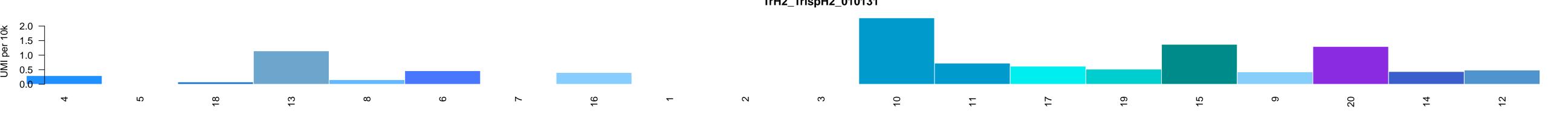
TrH2\_TrispH2\_007769



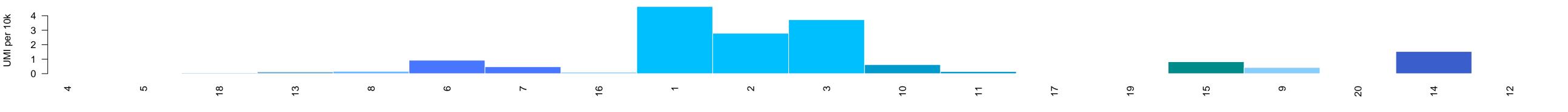
Citron.HG1.4:GARNL3 TrH2\_TrispH2\_009344



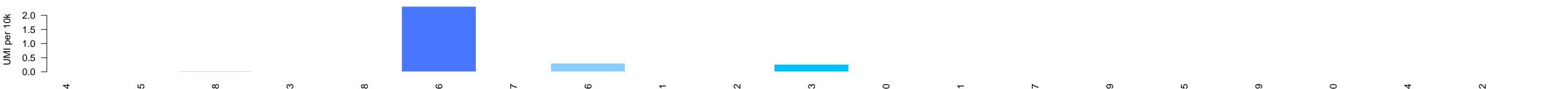
Citron.HG2.0:MAP4K1/MAP4K2/MAP4K3/MAP4K5 TrH2\_TrispH2\_010131



## COesterase.HG1.16:like:ACHE/BCHE/CEL/CES1/CES2/CES3/CES4A/CES5A/TG TrH2\_TrispH2\_010570



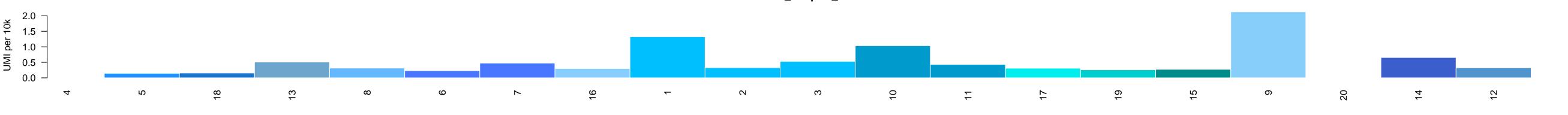
## COesterase.HG1.16:like:ACHE/BCHE/CEL/CES1/CES2/CES3/CES4A/CES5A/TG TrH2\_TrispH2\_010576



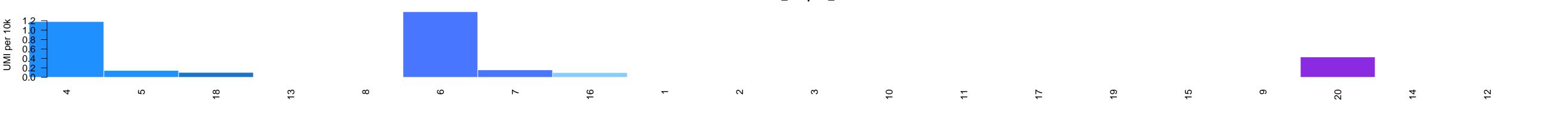
# COesterase.HG1.16:like:ACHE/BCHE/CEL/CES1/CES2/CES3/CES4A/CES5A/TG TrH2\_TrispH2\_010578

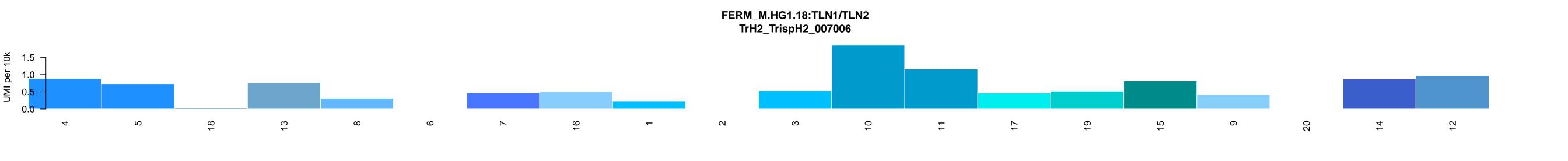


FERM\_M.HG1.1:like:MYO10/PLEKHH1/PLEKHH2/PLEKHH3 TrH2\_TrispH2\_000438

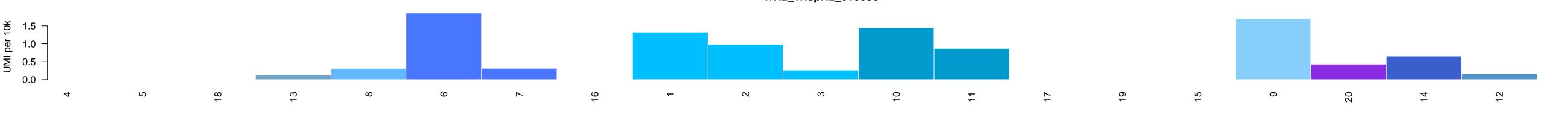


FERM\_M.HG1.14:like:MYO7A/MYO7B TrH2\_TrispH2\_006313



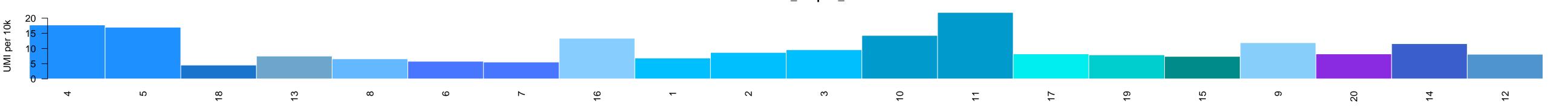


FERM\_M.HG1.3:PLEKHH1/PLEKHH2 TrH2\_TrispH2\_010036

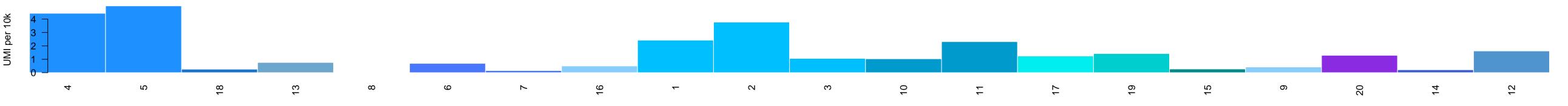


FERM\_M.HG1.32:EPB41/EPB41L1/EPB41L2/EPB41L3/EPB41L4A/EPB41L4B/EPB41L5/FARP1/FARP2/FRMD3/FRMD5/FRMD7/PTPN3/PTPN4

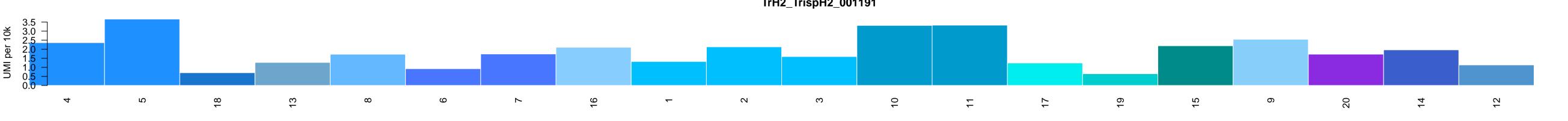
TrH2\_TrispH2\_001493



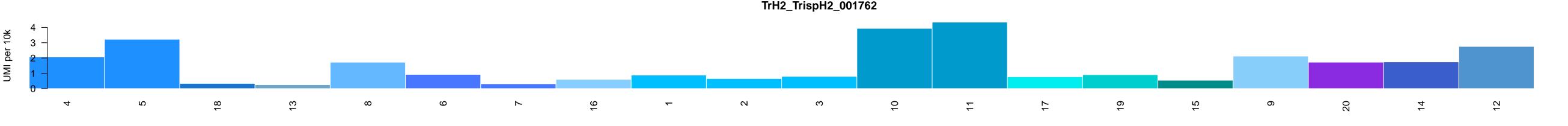
FERM\_M.HG1.33:like:EZR/MSN/NF2/RDX TrH2\_TrispH2\_001968



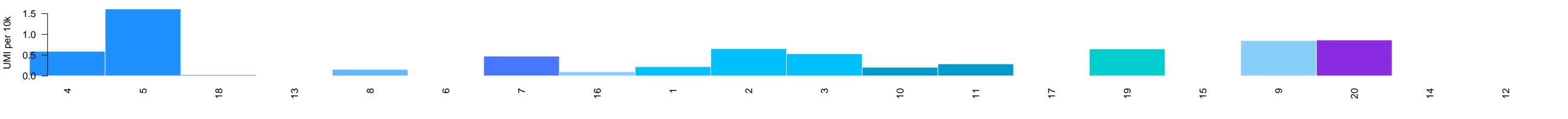
FERM\_M.HG1.40:EZR/MSN/RDX TrH2\_TrispH2\_001191



Guanylate\_kin.HG1.0:MAGI1/MAGI2/MAGI3 TrH2\_TrispH2\_001762

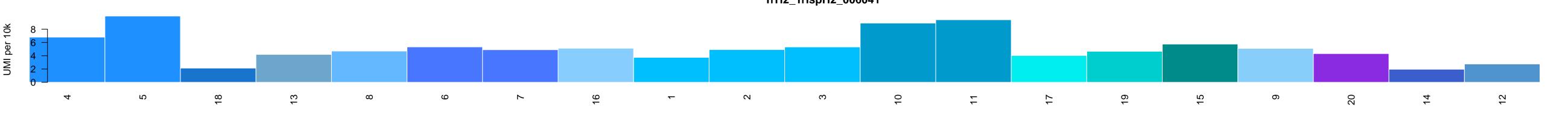


Guanylate\_kin.HG1.11:AL358113.1/DLG5/TJP1/TJP2/TJP3 TrH2\_TrispH2\_000851

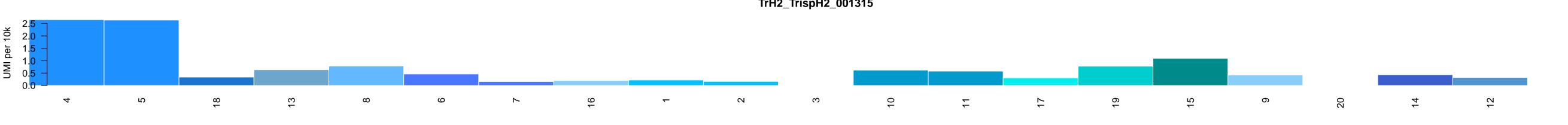


Guanylate\_kin.HG1.14:DLG1/DLG2/DLG3/DLG4 TrH2\_TrispH2\_000924

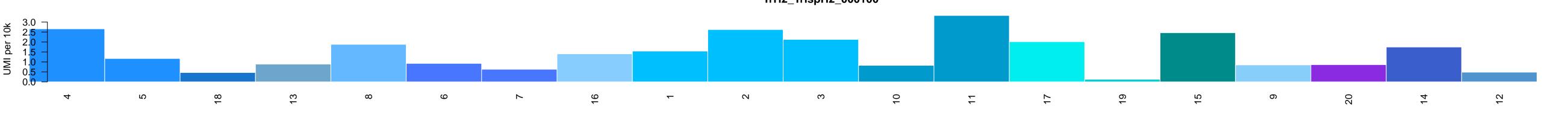
Guanylate\_kin.HG1.9:like:CASK/MPP1/MPP2/MPP6;PDZ.HG2.5:MPP2/MPP6 TrH2\_TrispH2\_006041



Homer.HG1.2:HOMER1/HOMER2/HOMER3 TrH2\_TrispH2\_001315



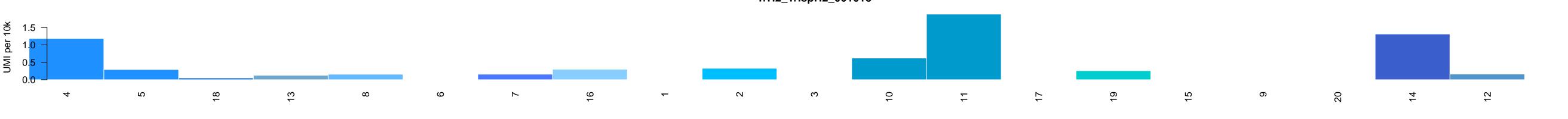
MARVEL.HG1.13:SYNPR/SYP/SYPL1/SYPL2 TrH2\_TrispH2\_000100



MARVEL.HG1.7:like:OCLN/SYNPR/SYP/SYPL1/SYPL2 TrH2\_TrispH2\_001541



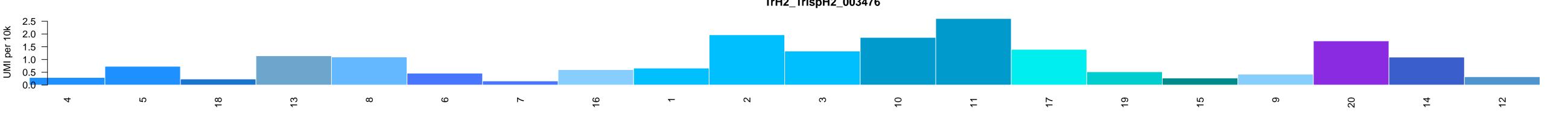
MFS\_1.HG1.16:SLC16A2/SLC16A10 TrH2\_TrispH2\_001018



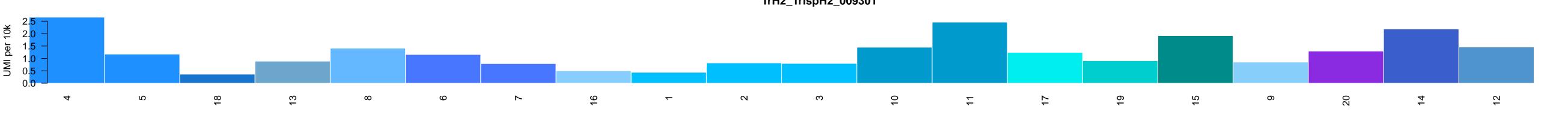
MFS\_1.HG12.2:like:MFSD6 TrH2\_TrispH2\_009488



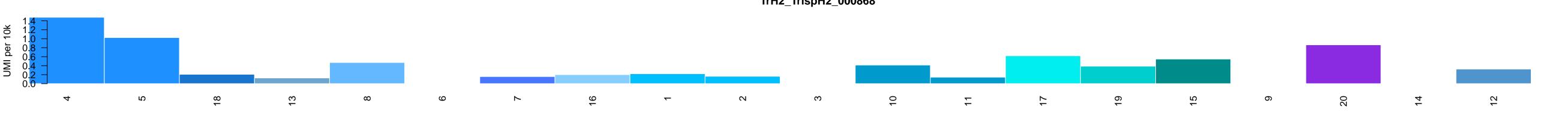
MFS\_1.HG14.4:like:SPNS1/SPNS2/SPNS3;Sugar\_tr.HG6.5:like:SPNS1/SPNS2/SPNS3 TrH2\_TrispH2\_003476



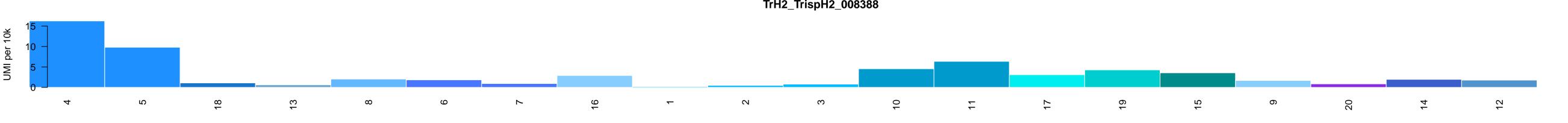
MFS\_1.HG18.0:NA TrH2\_TrispH2\_009301



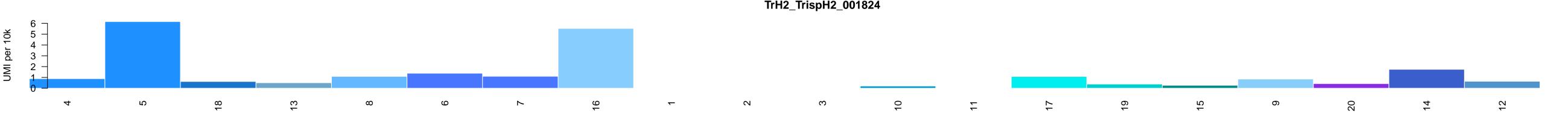
MFS\_1.HG3.3:SV2A/SV2B/SV2C;Sugar\_tr.HG2.26:like:SV2A/SV2B/SV2C TrH2\_TrispH2\_000868



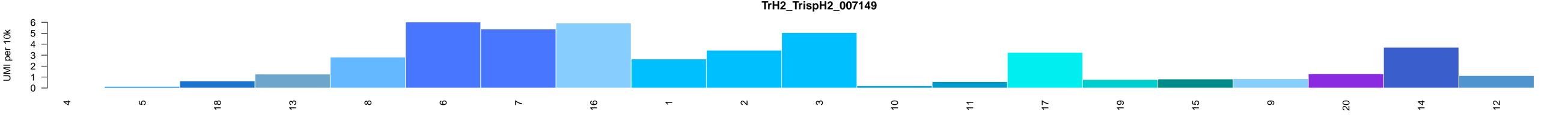
MFS\_1.HG4.3:like:SLC2A10/SLC2A12;Sugar\_tr.HG3.4:like:SLC2A10/SLC2A12/SLC2A13 TrH2\_TrispH2\_008388



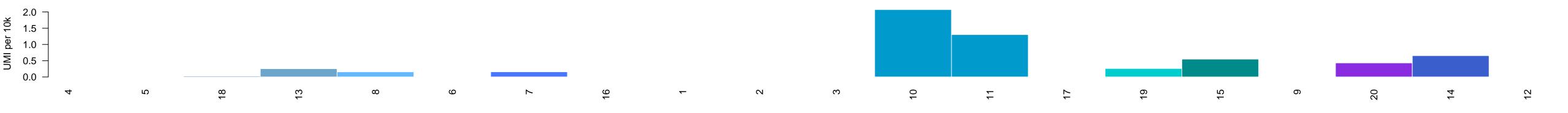
MFS\_1.HG5.21:SLC17A6/SLC17A7/SLC17A8 TrH2\_TrispH2\_001824



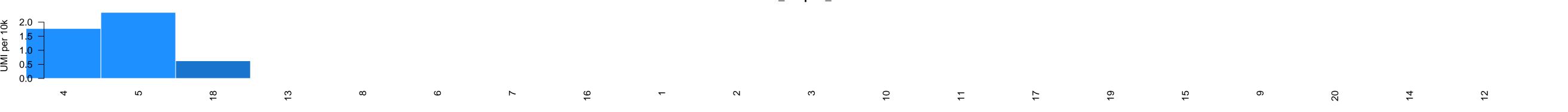
MFS\_1.HG5.8:SLC17A9;Sugar\_tr.HG5.5:NA TrH2\_TrispH2\_007149



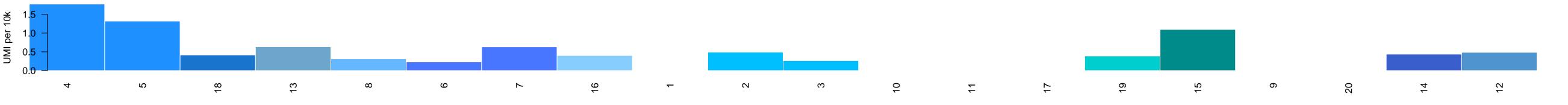
MFS\_1.HG6.1:like:SLCO1A2/SLCO1B1/SLCO1B3/SLCO1B3-SLCO1B7/SLCO1C1/SLCO2A1/SLCO2B1/SLCO3A1/SLCO4A1/SLCO4C1/SLCO5A1/SLCO6A1 TrH2\_TrispH2\_004962

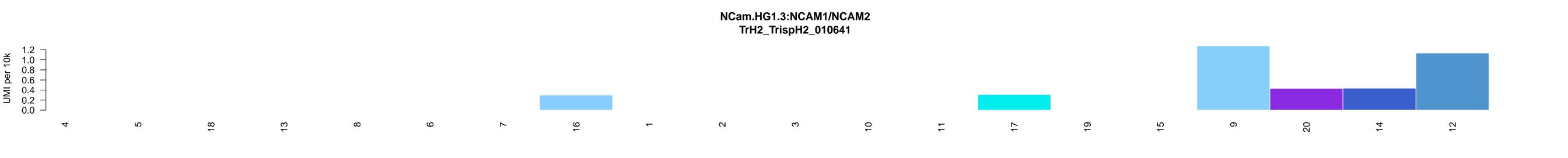


## MFS\_1.HG7.0:SLC18A1/SLC18A2/SLC18A3/SLC18B1 TrH2\_TrispH2\_005765



MFS\_1.HG8.11:SLC22A18 TrH2\_TrispH2\_000654

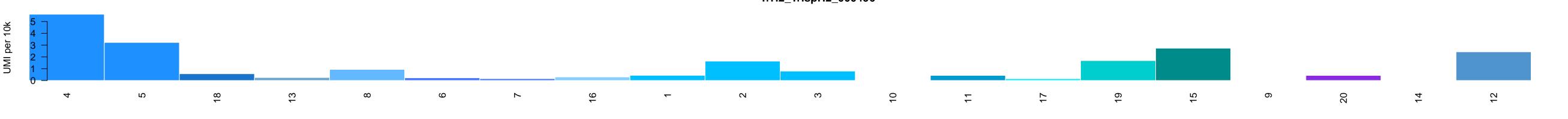




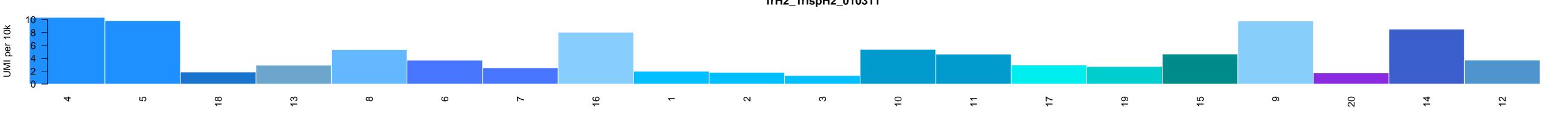
NO\_synthase.HG1.0:NOS1/NOS2/NOS3 TrH2\_TrispH2\_010039



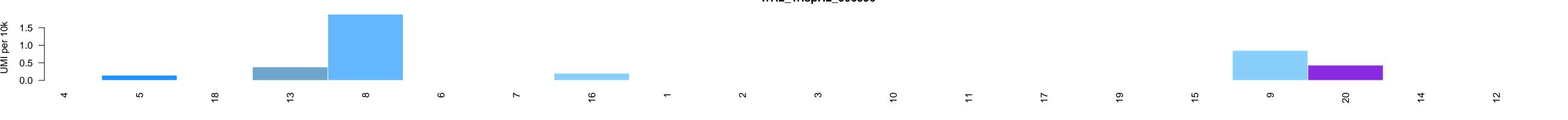
PDZ.HG2.2:like:PARD6A/PARD6B/PARD6G TrH2\_TrispH2\_000496

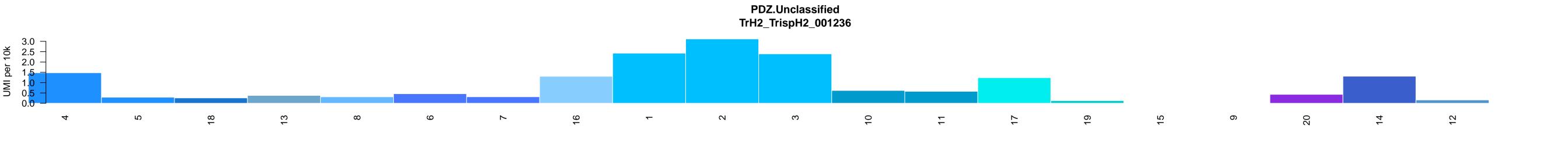


PDZ.HG3.14:SHROOM2/SHROOM3/SHROOM4/SYNPO2/SYNPO2L TrH2\_TrispH2\_010311



PDZ.HG4.9:like:HTRA1/HTRA2/HTRA3/HTRA4 TrH2\_TrispH2\_006590

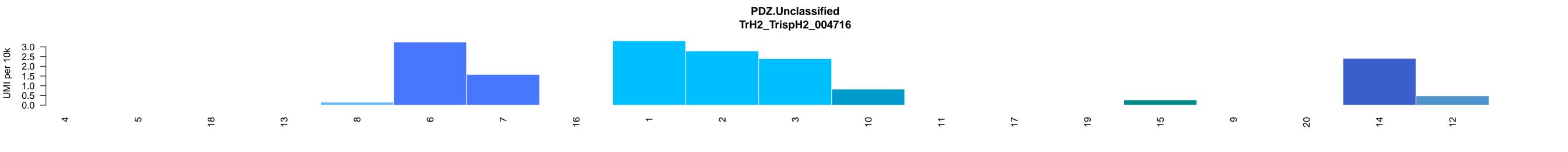


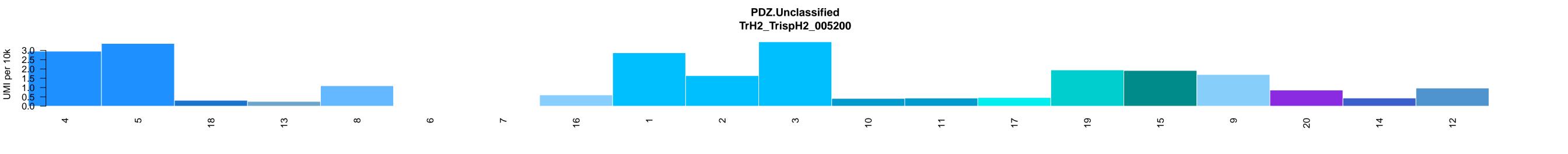


PDZ.Unclassified TrH2\_TrispH2\_001404

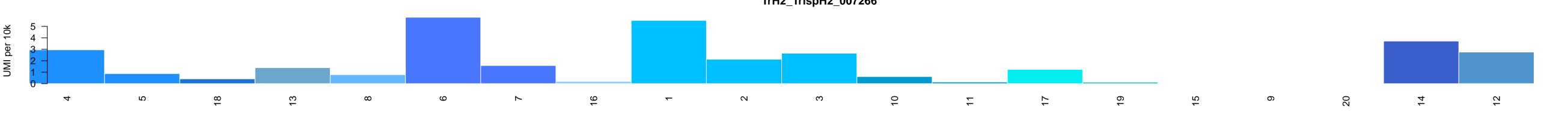


PDZ.Unclassified TrH2\_TrispH2\_001446

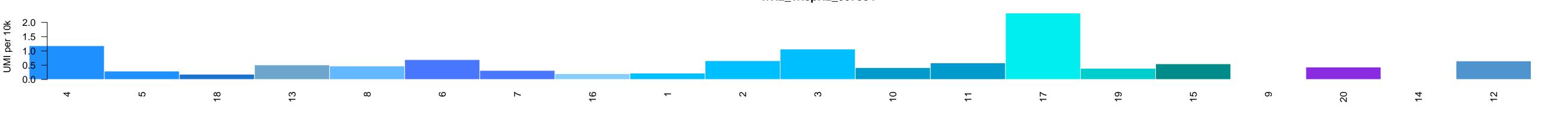




PDZ.Unclassified TrH2\_TrispH2\_007266

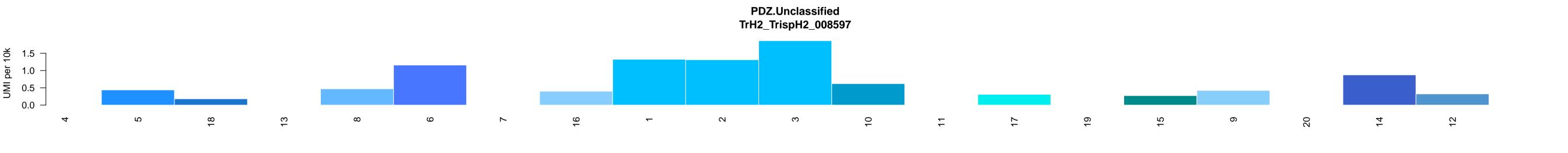


PDZ.Unclassified TrH2\_TrispH2\_007584

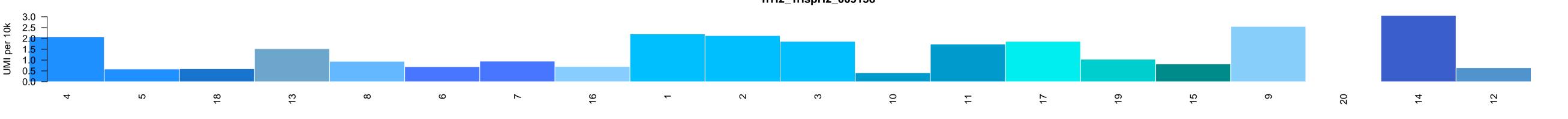


PDZ.Unclassified
TrH2\_TrispH2\_008054

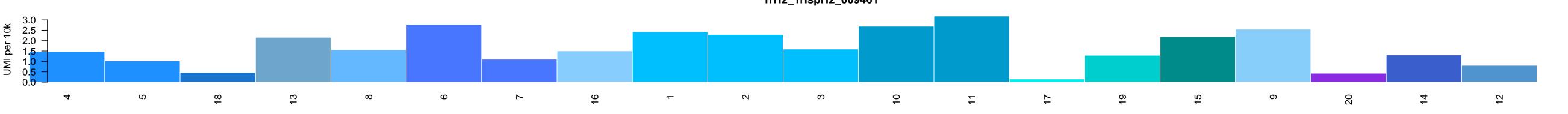




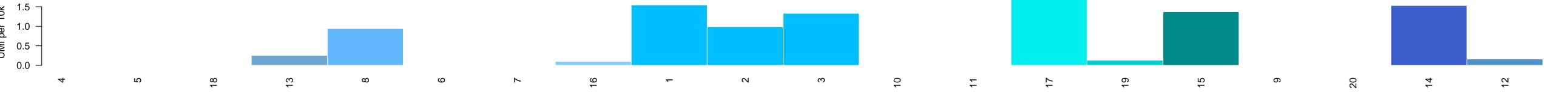
PDZ.Unclassified TrH2\_TrispH2\_009138



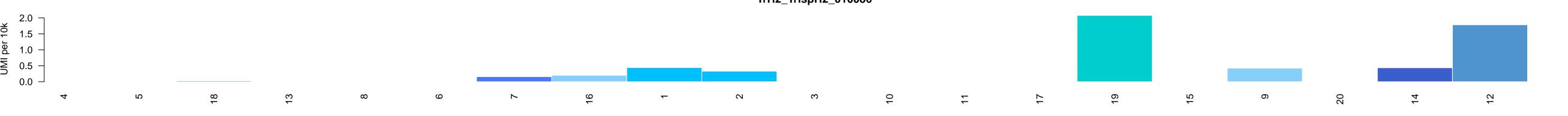
PDZ.Unclassified TrH2\_TrispH2\_009461



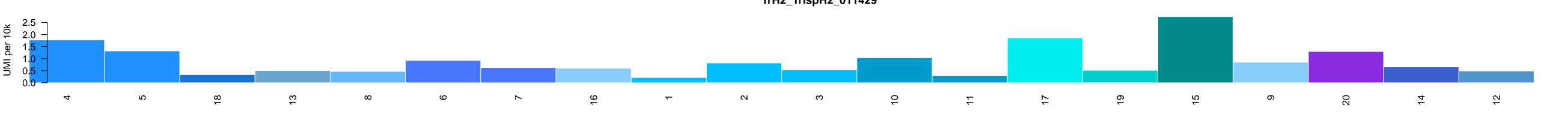
PDZ.Unclassified TrH2\_TrispH2\_009583



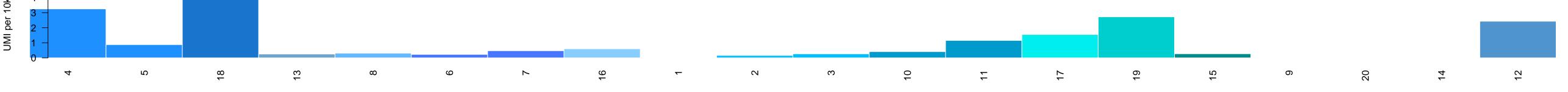
PDZ.Unclassified TrH2\_TrispH2\_010086



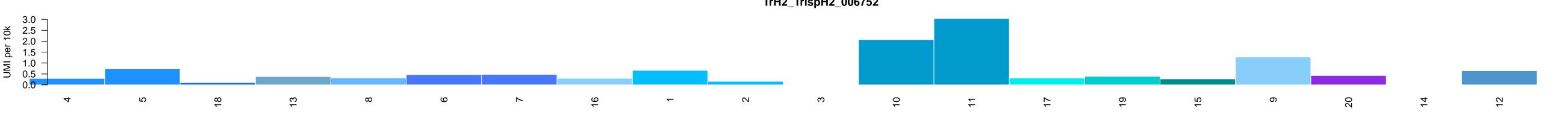
PDZ.Unclassified TrH2\_TrispH2\_011429

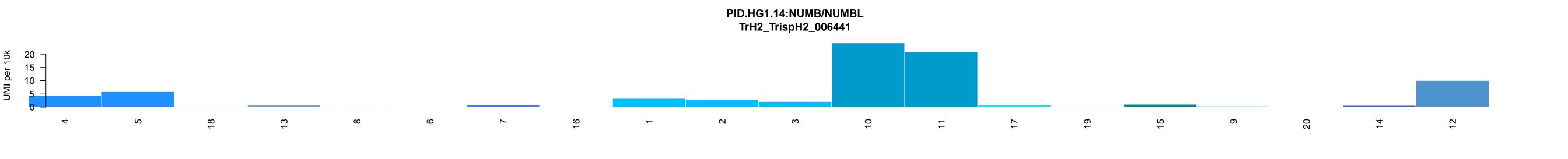


PID.HG1.1:TBC1D1/TBC1D4 TrH2\_TrispH2\_007739

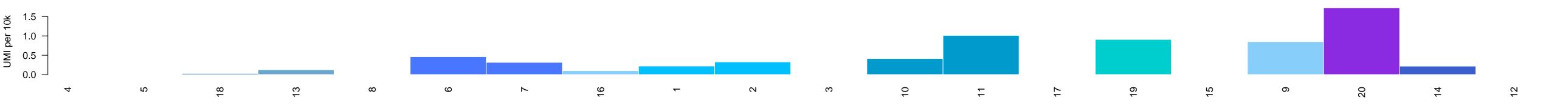


PID.HG1.12:SHC1/SHC2/SHC3/SHC4 TrH2\_TrispH2\_006752

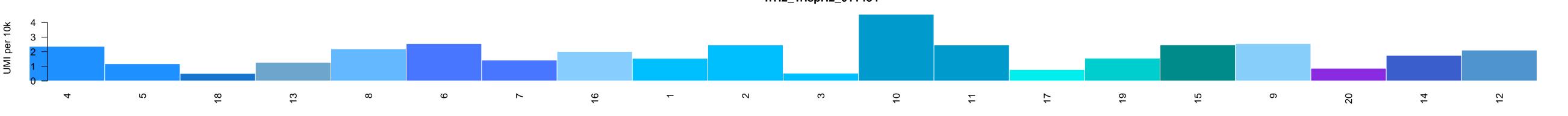




PID.HG1.8:like:LDLRAP1/PID1 TrH2\_TrispH2\_001443

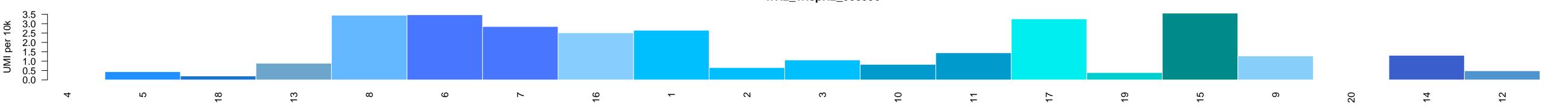


PMCA.HG1.5:AC010616.1/ATP1A1/ATP1A2/ATP1A3/ATP1A4/ATP4A/ATP12A TrH2\_TrispH2\_011484

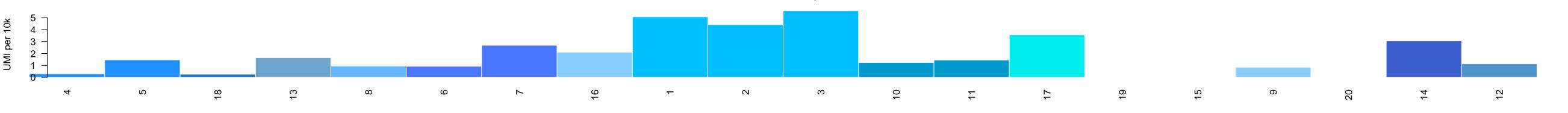


RabphilinRIM.HG1.2:like:RIMS1/RIMS2/RPH3A/RPH3AL;Synaptotagmin.HG1.45:like:SYTL1/SYTL2/SYTL3/SYTL4/SYTL5

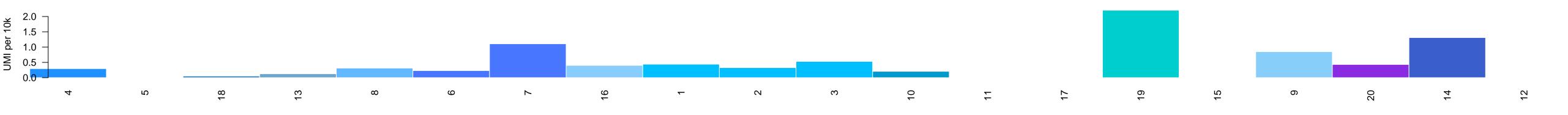
TrH2\_TrispH2\_008996



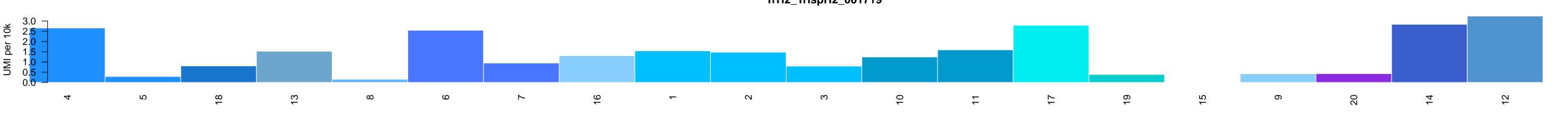
RabphilinRIM.HG1.3:RIMS1/RIMS2 TrH2\_TrispH2\_000666



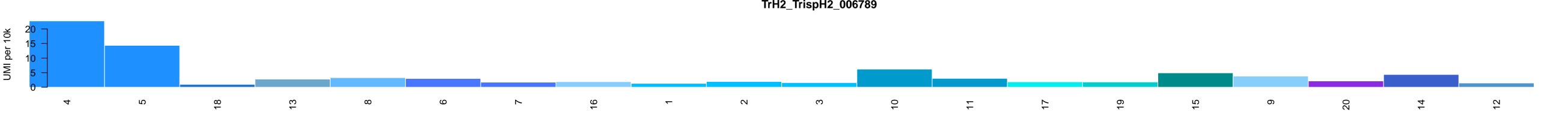
RasGAP.HG1.5:DAB2IP/RASAL2/RASAL3/SYNGAP1;SynGAP.HG1.2:like:DAB2IP/RASAL2/SYNGAP1 TrH2\_TrispH2\_003065



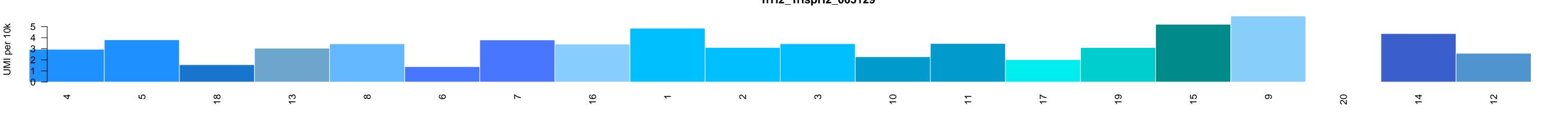
RasGAP.HG1.9:RASA2/RASA3;Synaptotagmin.HG1.57:RASA2/RASA3 TrH2\_TrispH2\_001719



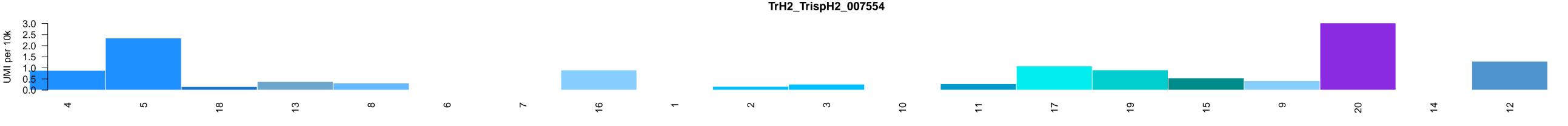
SDF.HG1.1:SLC1A1/SLC1A2/SLC1A3/SLC1A4/SLC1A5/SLC1A6/SLC1A7 TrH2\_TrispH2\_006789



SNAP-25.HG1.2:SNAP25 TrH2\_TrispH2\_003129

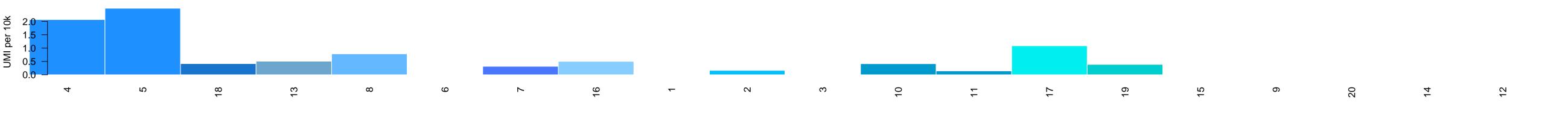


SNF.HG1.1:like:AC136616.1/SLC6A1/SLC6A2/SLC6A3/SLC6A4/SLC6A5/SLC6A6/SLC6A7/SLC6A8/SLC6A9/SLC6A11/SLC6A12/SLC6A13/SLC6A14/SLC6A15/SLC6A16/SLC6A17/SLC6A18/SLC6A19/SLC6A20



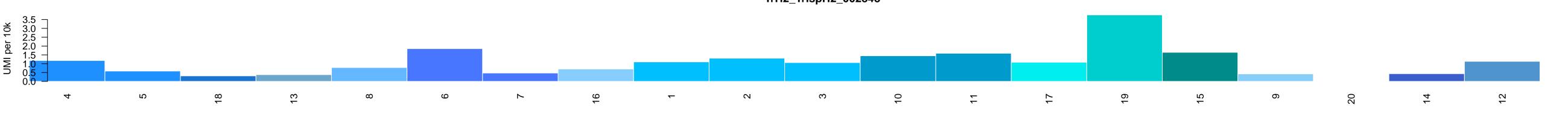
SNF.HG1.2:like:AC136616.1/SLC6A1/SLC6A2/SLC6A3/SLC6A4/SLC6A5/SLC6A6/SLC6A7/SLC6A8/SLC6A9/SLC6A11/SLC6A12/SLC6A13/SLC6A14/SLC6A15/SLC6A16/SLC6A17/SLC6A18/SLC6A19/SLC6A20

TrH2\_TrispH2\_002073



SNF.HG1.2:like:AC136616.1/SLC6A1/SLC6A2/SLC6A3/SLC6A4/SLC6A5/SLC6A6/SLC6A7/SLC6A8/SLC6A9/SLC6A11/SLC6A12/SLC6A13/SLC6A14/SLC6A15/SLC6A16/SLC6A17/SLC6A18/SLC6A19/SLC6A20

TrH2\_TrispH2\_002848



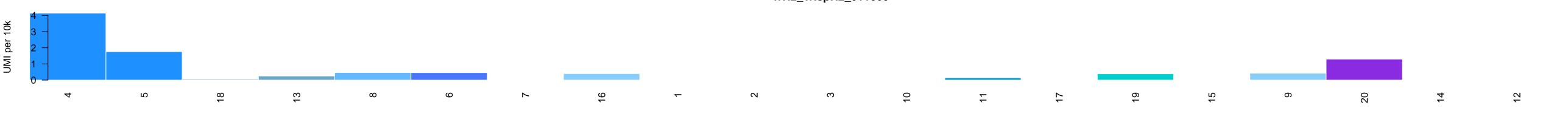
SNF.HG1.2:like:AC136616.1/SLC6A1/SLC6A2/SLC6A3/SLC6A4/SLC6A5/SLC6A6/SLC6A7/SLC6A8/SLC6A9/SLC6A11/SLC6A12/SLC6A13/SLC6A14/SLC6A15/SLC6A16/SLC6A17/SLC6A18/SLC6A19/SLC6A20

TrH2\_TrispH2\_007345

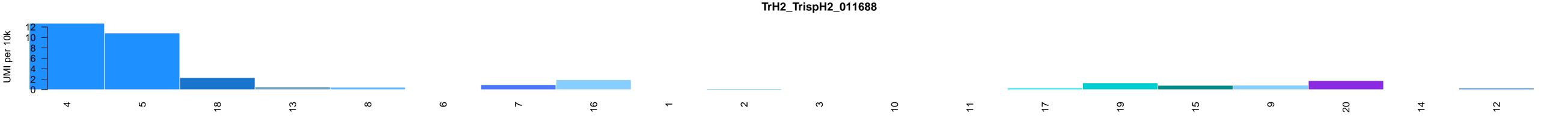


SNF.HG1.2:like:AC136616.1/SLC6A1/SLC6A2/SLC6A3/SLC6A4/SLC6A5/SLC6A6/SLC6A7/SLC6A8/SLC6A9/SLC6A11/SLC6A12/SLC6A13/SLC6A14/SLC6A15/SLC6A16/SLC6A17/SLC6A18/SLC6A19/SLC6A20

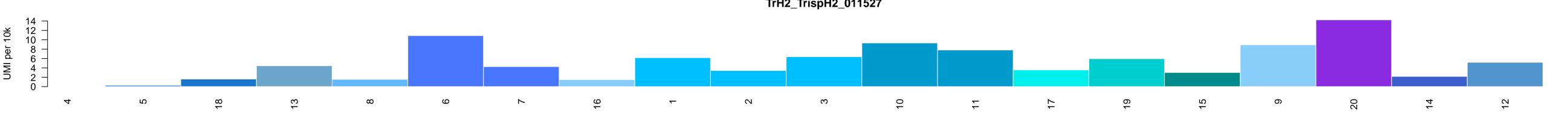
TrH2\_TrispH2\_011660



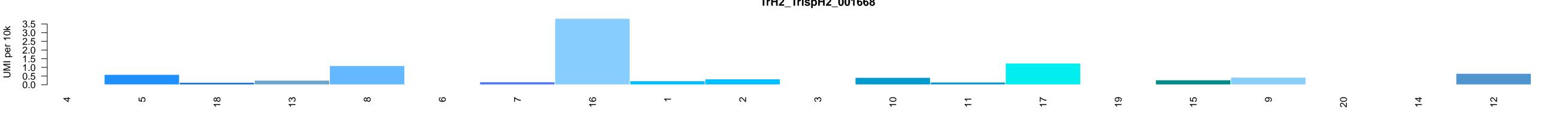
SNF.HG1.30:like:SLC6A5/SLC6A7/SLC6A9/SLC6A14 TrH2\_TrispH2\_011688



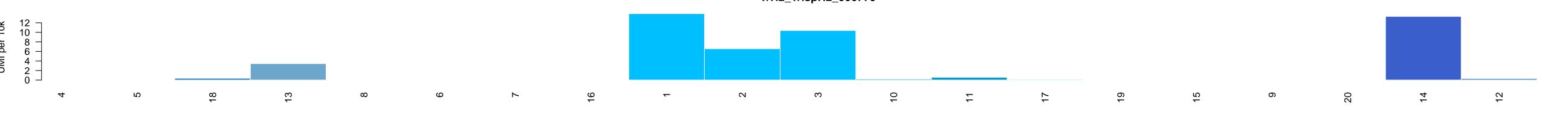
SNF.HG1.31:like:SLC6A5/SLC6A7/SLC6A9/SLC6A14 TrH2\_TrispH2\_011527



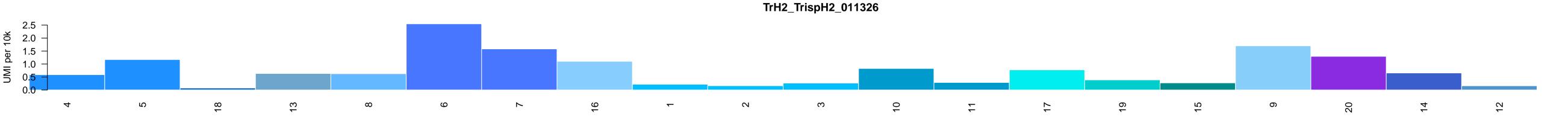
SNF.HG1.4:SLC6A15/SLC6A16/SLC6A17/SLC6A18/SLC6A19/SLC6A20 TrH2\_TrispH2\_001668



## SNF.HG1.46:like:SLC6A5/SLC6A7/SLC6A9/SLC6A14 TrH2\_TrispH2\_006779

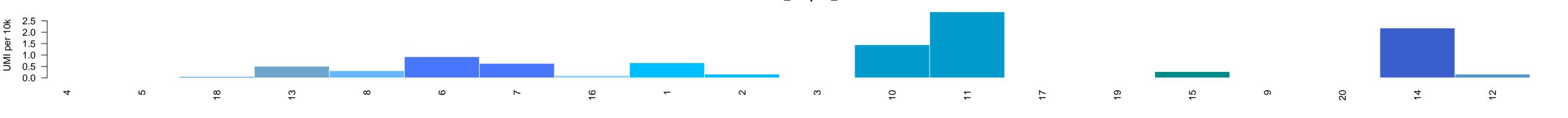


SNF.HG1.46:like:SLC6A5/SLC6A7/SLC6A9/SLC6A14 TrH2\_TrispH2\_011326



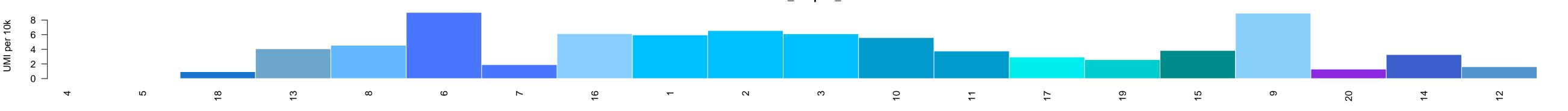
SNF.HG1.5:like:AC136616.1/SLC6A1/SLC6A2/SLC6A3/SLC6A4/SLC6A5/SLC6A6/SLC6A7/SLC6A8/SLC6A9/SLC6A11/SLC6A12/SLC6A13/SLC6A14/SLC6A15/SLC6A16/SLC6A17/SLC6A18/SLC6A19/SLC6A20

TrH2\_TrispH2\_009352

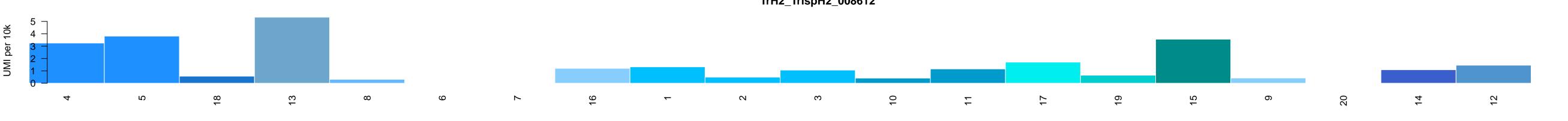


Synaphin.HG2.0:NA TrH2\_TrispH2\_005012

Synaptotagmin.HG1.0:SYT7 TrH2\_TrispH2\_007647



Synaptotagmin.HG1.18:FO681492.1/SYT15 TrH2\_TrispH2\_008612

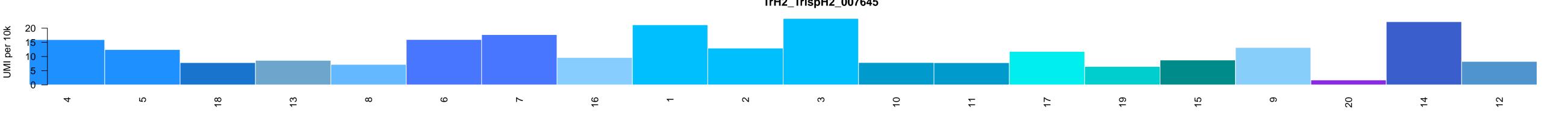


Synaptotagmin.HG1.19:like:TC2N TrH2\_TrispH2\_001296

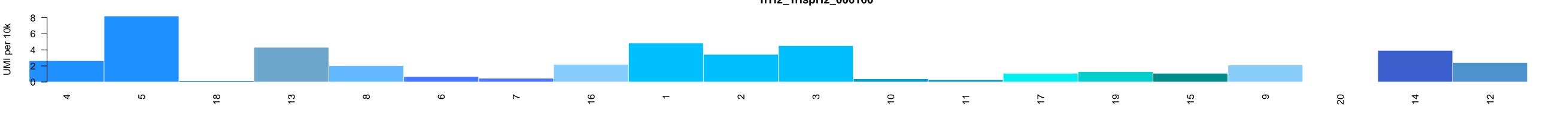


Synaptotagmin.HG1.2:SYT1/SYT2/SYT5/SYT8

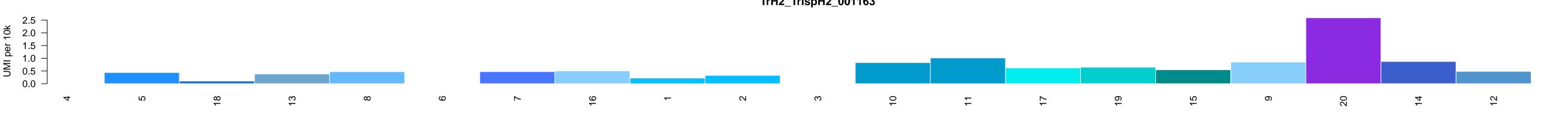
TrH2\_TrispH2\_007645



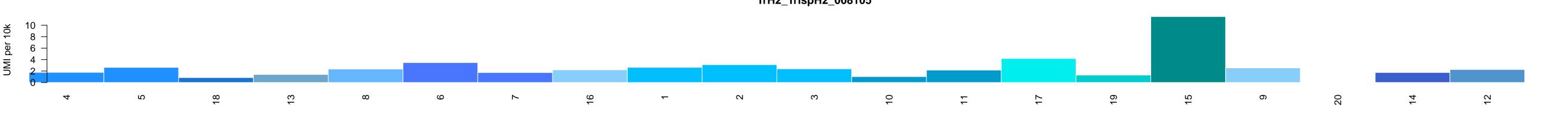
Synaptotagmin.HG1.32:BAIAP3/UNC13D TrH2\_TrispH2\_006160



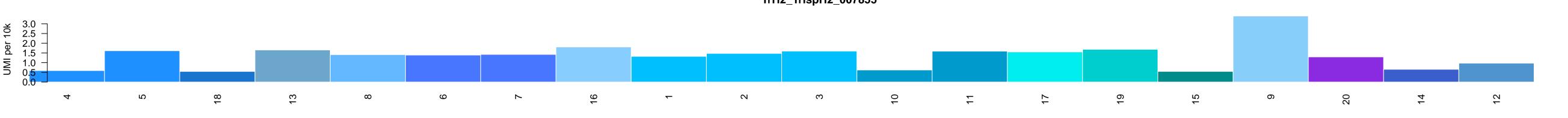
Synaptotagmin.HG1.43:like:ESYT1/ESYT2/ESYT3 TrH2\_TrispH2\_001163



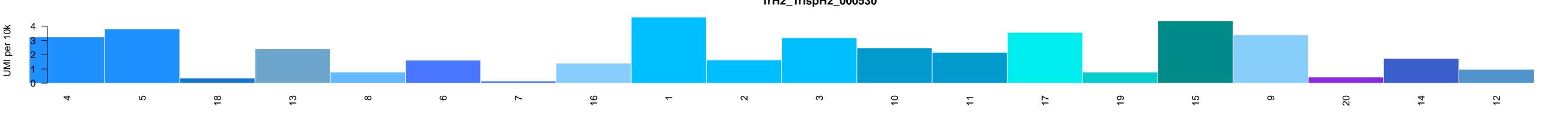
Synaptotagmin.HG1.49:ESYT1/ESYT2/ESYT3 TrH2\_TrispH2\_008105



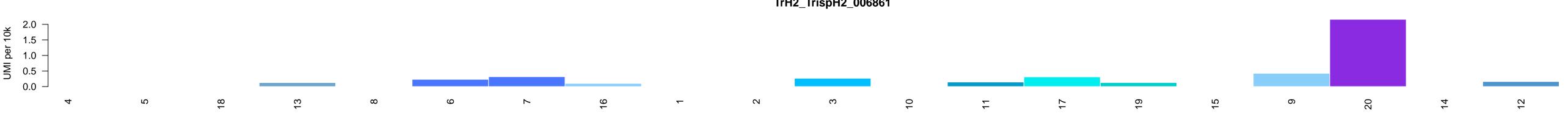
Synaptotagmin.HG1.62:PRKCA/PRKCB/PRKCG TrH2\_TrispH2\_007855



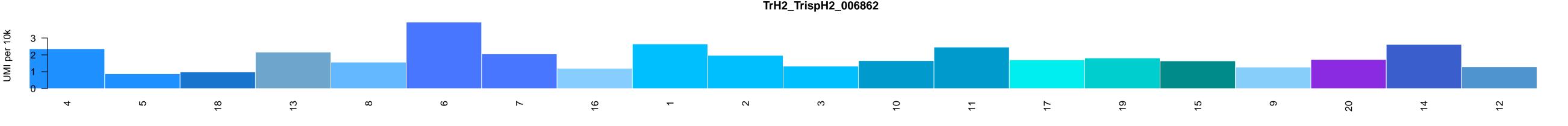
Syntaxin.HG1.2:STX7/STX12 TrH2\_TrispH2\_000530



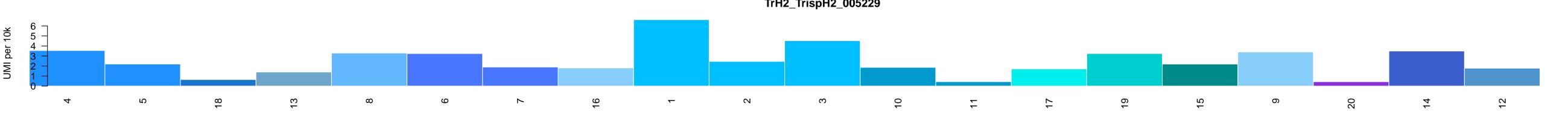
Syntaxin.HG1.4:STX1A/STX1B/STX2/STX3/STX4
TrH2\_TrispH2\_006861



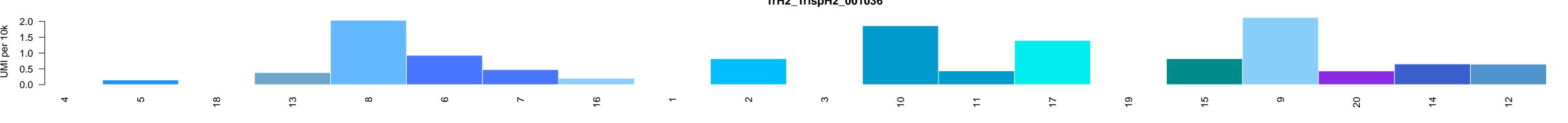
Syntaxin.HG1.4:STX1A/STX1B/STX2/STX3/STX4 TrH2\_TrispH2\_006862



Y\_phosphatase.HG1.14:PTPN5/PTPN7/PTPRR TrH2\_TrispH2\_005229



Y\_phosphatase.HG1.16:like:PTPRK/PTPRM/PTPRT/PTPRU TrH2\_TrispH2\_001036

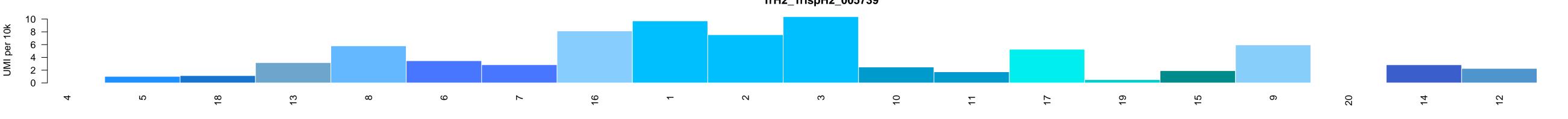


Y\_phosphatase.HG1.24:like:PTPRA/PTPRC/PTPRD/PTPRE/PTPRF/PTPRG/PTPRS/PTPRZ1 TrH2\_TrispH2\_005289



Y\_phosphatase.HG1.26:like:PTPN9 . TrH2\_TrispH2\_002552

Y\_phosphatase.HG1.29:PTPRN/PTPRN2 TrH2\_TrispH2\_005739



Y\_phosphatase.HG2.6:PTPDC1 TrH2\_TrispH2\_004243

Y\_phosphatase.HG2.8:PTP4A1/PTP4A2/PTP4A3 TrH2\_TrispH2\_010534