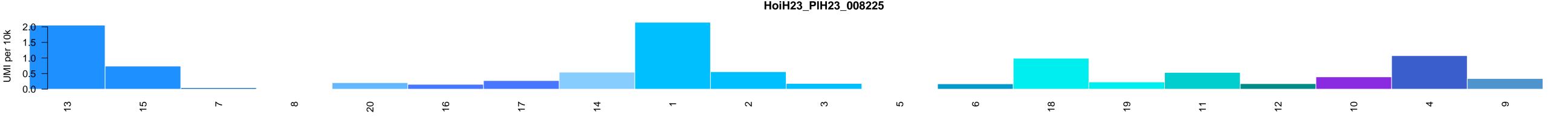
Aa_trans.HG1.12:SLC36A1/SLC36A2/SLC36A3/SLC36A4 HoiH23_PIH23_000321

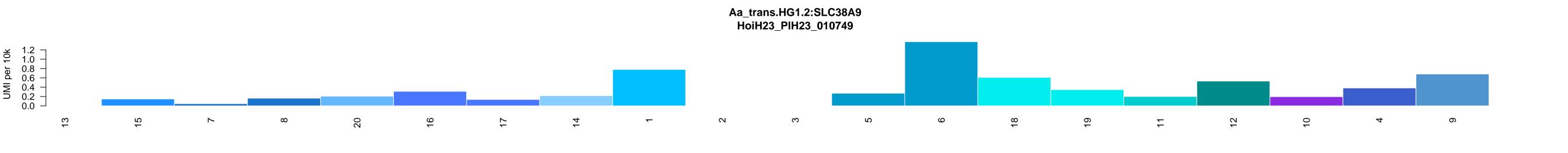
Aa_trans.HG1.14:SLC38A10 HoiH23_PIH23_000144

Aa_trans.HG1.16:like:SLC36A1/SLC36A2/SLC36A3/SLC36A4 HoiH23_PIH23_008225



Aa_trans.HG1.2:SLC38A9 HoiH23_PIH23_008104

Aa_trans.HG1.2:SLC38A9 HoiH23_PIH23_008634



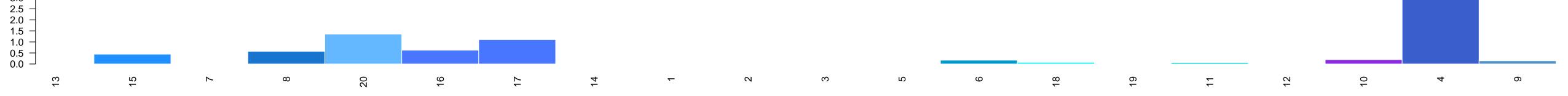
Aa_trans.HG1.4:SLC38A11 HoiH23_PIH23_002728



Aa_trans.HG1.4:SLC38A11 HoiH23_PIH23_002729



Aa_trans.HG1.4:SLC38A11
HoiH23_PIH23_002730



ANF_receptor.HG1.2:like:CASR/GPRC6A/TAS1R1/TAS1R2/TAS1R3 HoiH23_PIH23_007935



ANF_receptor.HG1.2:like:CASR/GPRC6A/TAS1R1/TAS1R2/TAS1R3 HoiH23_PIH23_007937



ANF_receptor.HG1.2:like:CASR/GPRC6A/TAS1R1/TAS1R2/TAS1R3 HoiH23_PIH23_011778



ANF_receptor.HG1.42:like:CASR/GPRC6A/TAS1R1/TAS1R2/TAS1R3 HoiH23_PIH23_010018



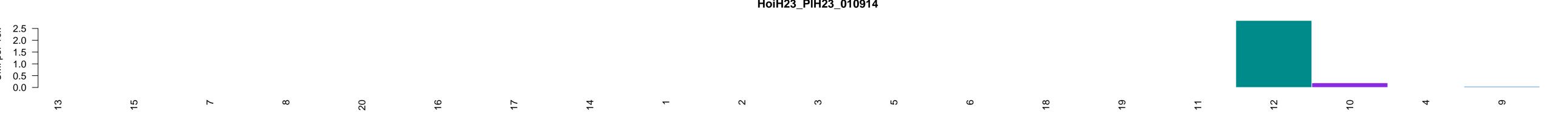
ANF_receptor.HG1.48:like:CASR/GPRC6A/TAS1R1/TAS1R2/TAS1R3 HoiH23_PIH23_006254



ANF_receptor.HG1.50:like:CASR/GPRC6A/TAS1R1/TAS1R2/TAS1R3 HoiH23_PIH23_010912



ANF_receptor.HG1.51:like:CASR/GPRC6A/TAS1R1/TAS1R2/TAS1R3 HoiH23_PIH23_010914



ANF_receptor.HG1.52:like:CASR/GPRC6A/TAS1R1/TAS1R2/TAS1R3 HoiH23_PIH23_005656



ANF_receptor.HG1.54:like:CASR/GPRC6A/TAS1R1/TAS1R2/TAS1R3 HoiH23_PIH23_011426



ANF_receptor.HG1.62:like:CASR/GPRC6A/TAS1R1/TAS1R2/TAS1R3 HoiH23_PIH23_010637

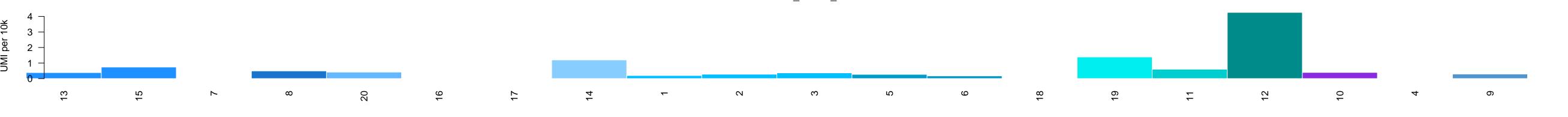


ANF_receptor.HG1.63:like:CASR/GPRC6A/TAS1R1/TAS1R2/TAS1R3 HoiH23_PIH23_010633

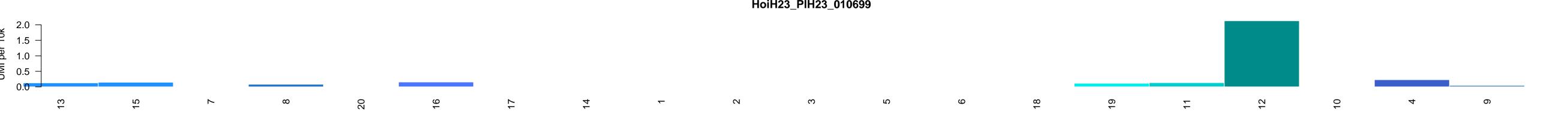


ANF_receptor.HG2.10:like:GABBR1/GABBR2 HoiH23_PIH23_006171

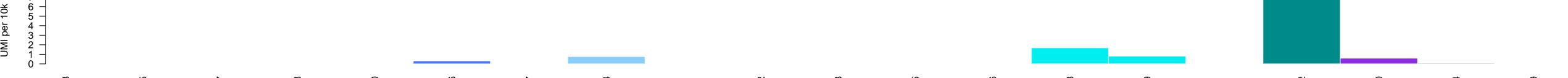
ANF_receptor.HG2.10:like:GABBR1/GABBR2 HoiH23_PIH23_010698



ANF_receptor.HG2.10:like:GABBR1/GABBR2 HoiH23_PIH23_010699



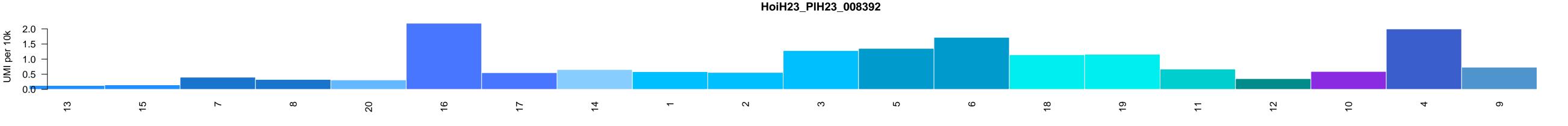
ANF_receptor.HG2.12:like:GABBR1/GABBR2
HoiH23_PIH23_010039



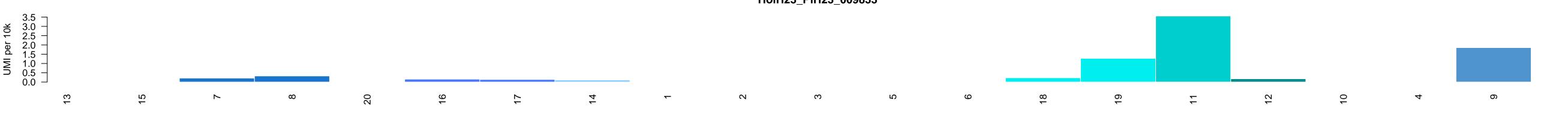
ANF_receptor.HG2.13:like:GABBR1/GABBR2 HoiH23_PIH23_009125



ANF_receptor.HG2.14:like:GABBR1/GABBR2 HoiH23_PIH23_008392



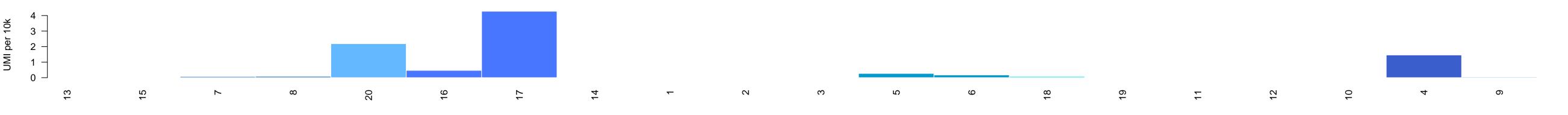
ANF_receptor.HG2.16:like:GABBR1/GABBR2 HoiH23_PIH23_009833



ANF_receptor.HG2.17:like:GABBR1/GABBR2 HoiH23_PIH23_009834



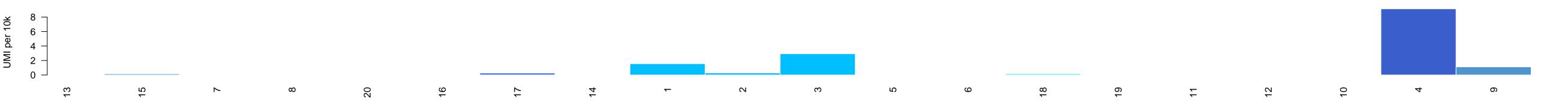
ANF_receptor.HG2.18:like:GABBR1/GABBR2 HoiH23_PIH23_010902



ANF_receptor.HG2.19:like:GABBR1/GABBR2 HoiH23_PIH23_010901



ANF_receptor.HG2.20:like:GABBR1/GABBR2 HoiH23_PIH23_003840



ANF_receptor.HG2.21:like:GABBR1/GABBR2 HoiH23_PIH23_000006

ANF_receptor.HG2.22:like:GABBR1/GABBR2 HoiH23_PIH23_000005

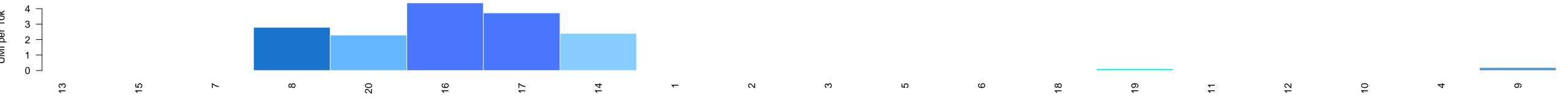


ANF_receptor.HG2.23:like:GABBR1/GABBR2 HoiH23_PIH23_001275

ANF_receptor.HG2.24:like:GABBR1/GABBR2 HoiH23_PIH23_001278



ANF_receptor.HG2.3:like:GABBR1/GABBR2 HoiH23_PIH23_005343



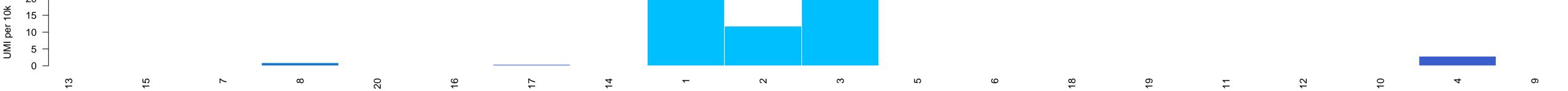
ANF_receptor.HG2.3:like:GABBR1/GABBR2 HoiH23_PIH23_007026



ANF_receptor.HG2.3:like:GABBR1/GABBR2 HoiH23_PIH23_007027



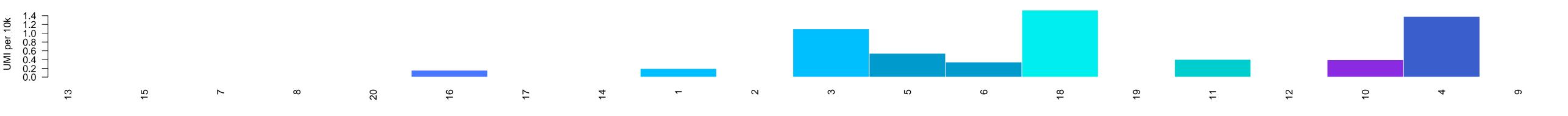
ANF_receptor.HG2.3:like:GABBR1/GABBR2 HoiH23_PIH23_008285



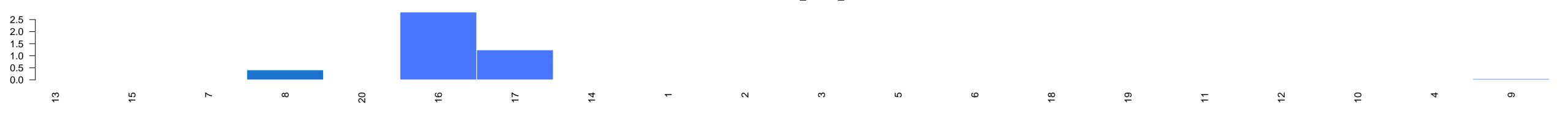




ANF_receptor.HG2.3:like:GABBR1/GABBR2 HoiH23_PIH23_010723



ANF_receptor.HG2.3:like:GABBR1/GABBR2 HoiH23_PIH23_011071







ANF_receptor.HG2.3:like:GABBR1/GABBR2 HoiH23_PIH23_011539

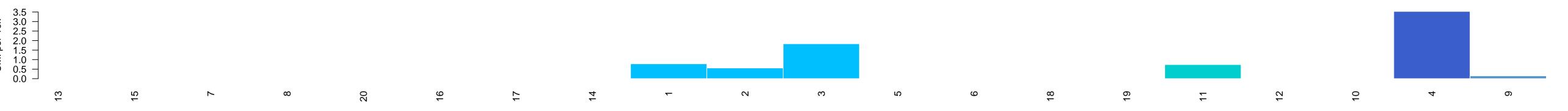


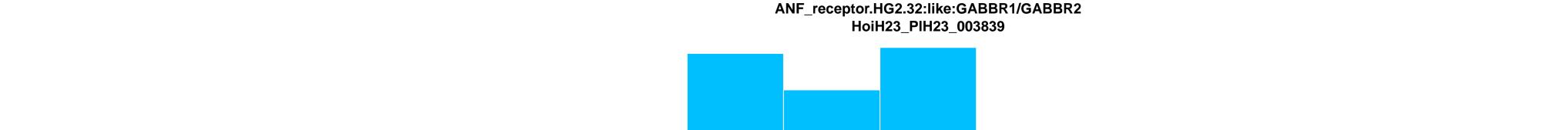






ANF_receptor.HG2.31:like:GABBR1/GABBR2 HoiH23_PIH23_003841

















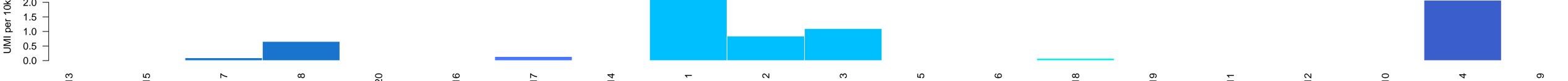




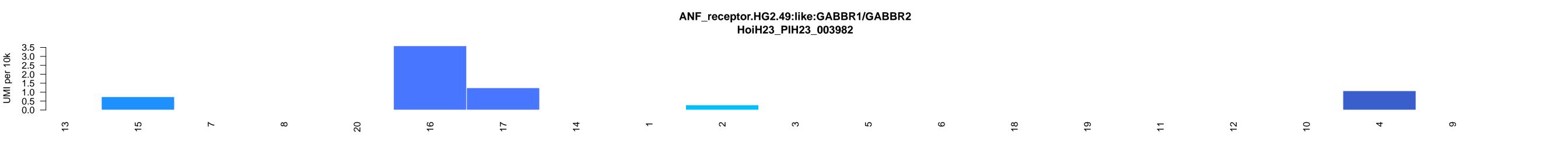
ANF_receptor.HG2.46:like:GABBR1/GABBR2 HoiH23_PIH23_003984

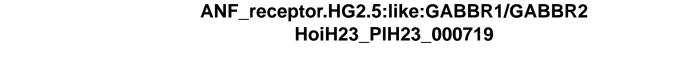


ANF_receptor.HG2.47:like:GABBR1/GABBR2 HoiH23_PIH23_004027



ANF_receptor.HG2.47:like:GABBR1/GABBR2 HoiH23_PIH23_011312







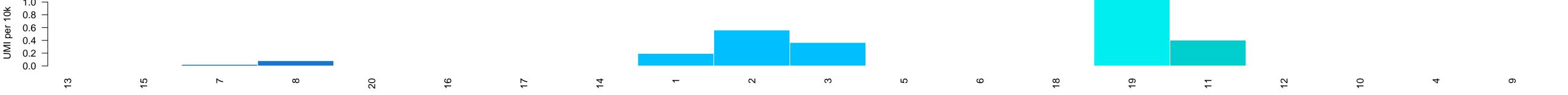
ANF_receptor.HG2.5:like:GABBR1/GABBR2 HoiH23_PIH23_000720



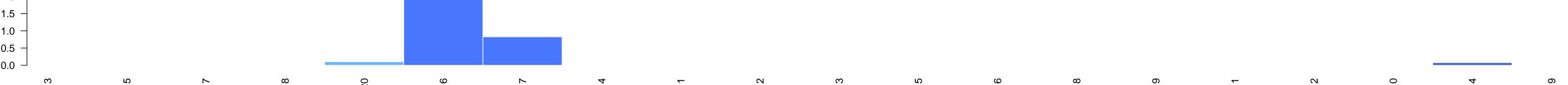
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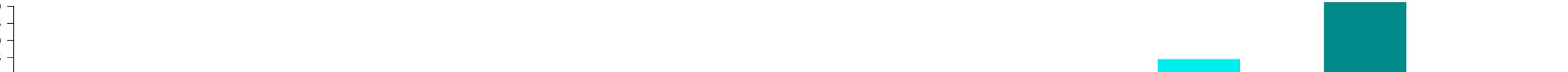
ANF_receptor.HG2.5:like:GABBR1/GABBR2 HoiH23_PIH23_004242



ANF_receptor.HG2.50:like:GABBR1/GABBR2 HoiH23_PIH23_003983



ANF_receptor.HG2.51:like:GABBR1/GABBR2 HoiH23_PIH23_004854



ANF_receptor.HG2.52:like:GABBR1/GABBR2 HoiH23_PIH23_011145



ANF_receptor.HG3.3:like:GRIN1/GRIN2A/GRIN2B/GRIN2C/GRIN2D HoiH23_PIH23_006516



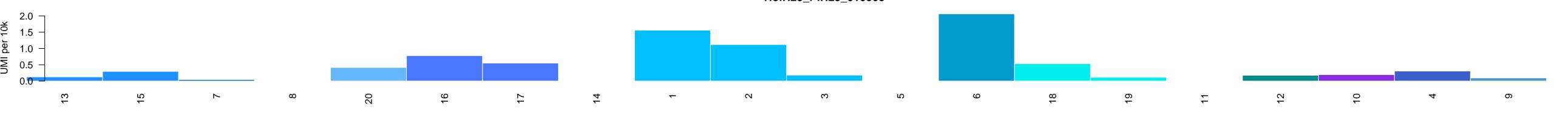




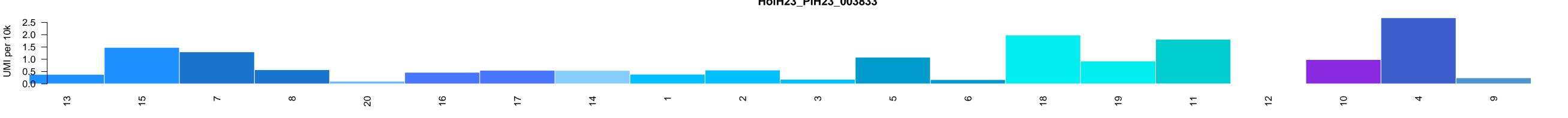




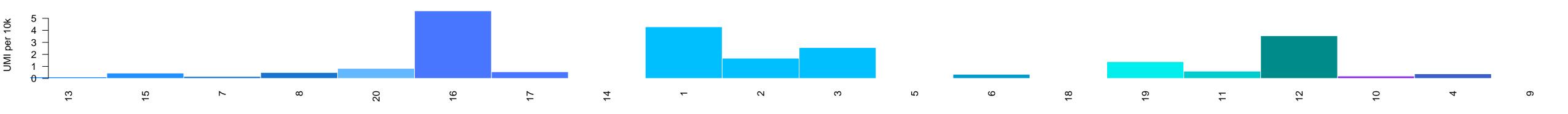
ANF_receptor.HG3.4:like:GRIA1/GRIA2/GRIA3/GRIA4/GRIK1/GRIK2/GRIK3/GRIK4/GRIK5 HoiH23_PIH23_010905



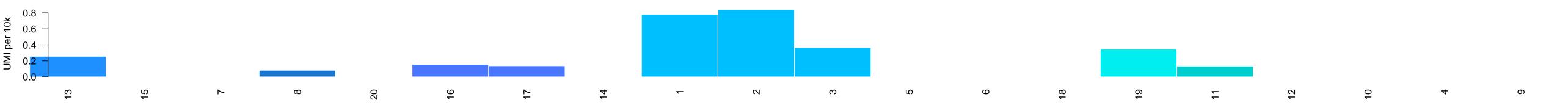
ANF_receptor.HG4.6:like:GUCY2D/GUCY2F/NPR1/NPR2/NPR3 HoiH23_PIH23_003833



ANF_receptor.HG4.6:like:GUCY2D/GUCY2F/NPR1/NPR2/NPR3 HoiH23_PIH23_009783



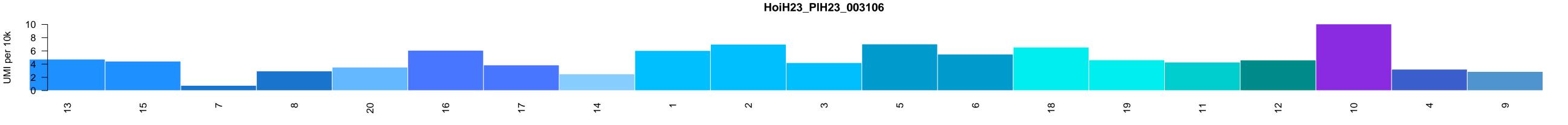
ANF_receptor.HG4.9:like:GUCY2D/GUCY2F/NPR1/NPR2/NPR3 HoiH23_PIH23_001006



ANF_receptor.HG4.9:like:GUCY2D/GUCY2F/NPR1/NPR2/NPR3 HoiH23_PIH23_003854

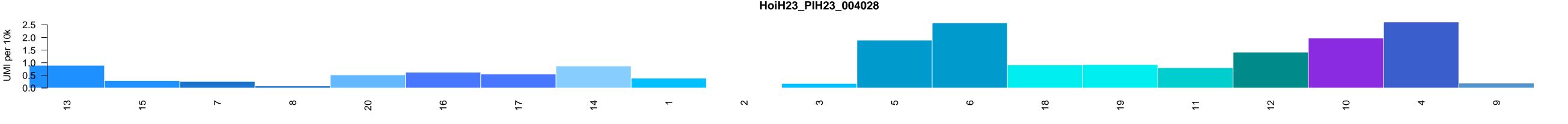


CaMKII.HG1.1:CAMK2A/CAMK2B/CAMK2D/CAMK2G HoiH23_PIH23_003106

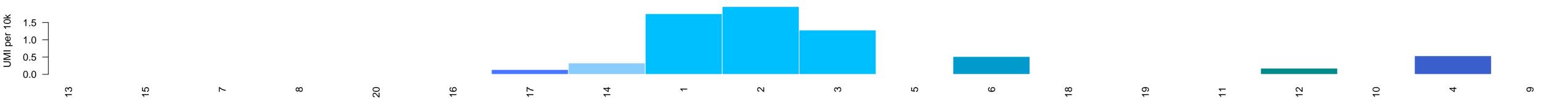


Citron.HG1.4:GARNL3 HoiH23_PIH23_006555

Citron.HG2.0:MAP4K1/MAP4K2/MAP4K3/MAP4K5 HoiH23_PIH23_004028

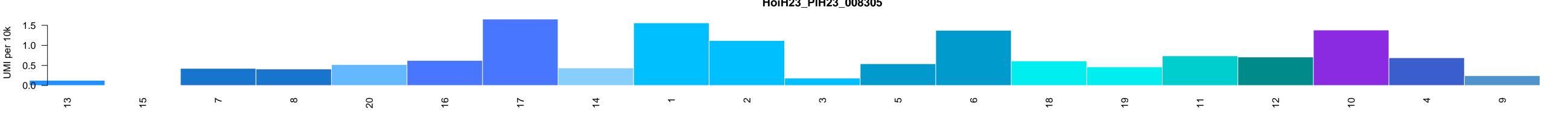


COesterase.HG1.16:like:ACHE/BCHE/CEL/CES1/CES2/CES3/CES4A/CES5A/TG HoiH23_PIH23_010957

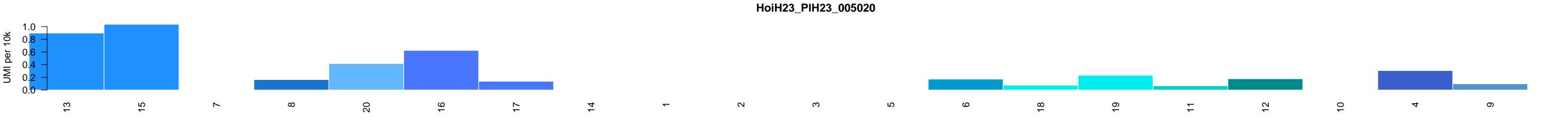


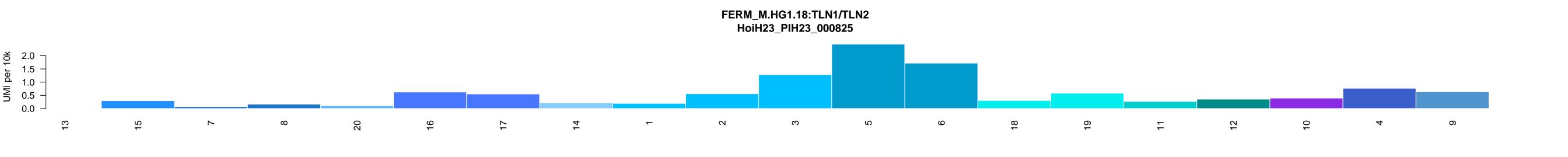
Cript.HG1.0:CRIPT HoiH23_PIH23_000418

FERM_M.HG1.1:like:MYO10/PLEKHH1/PLEKHH2/PLEKHH3 HoiH23_PIH23_008305

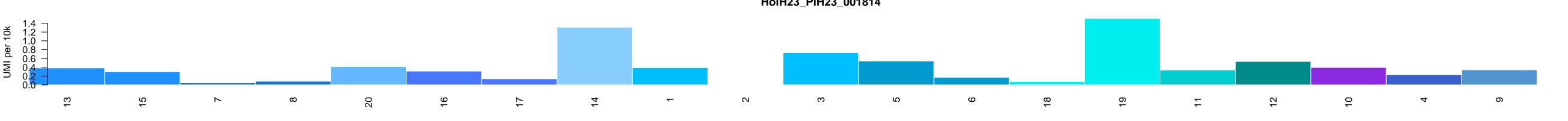


FERM_M.HG1.14:like:MYO7A/MYO7B HoiH23_PIH23_005020

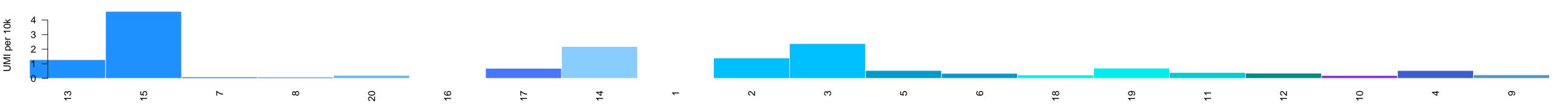




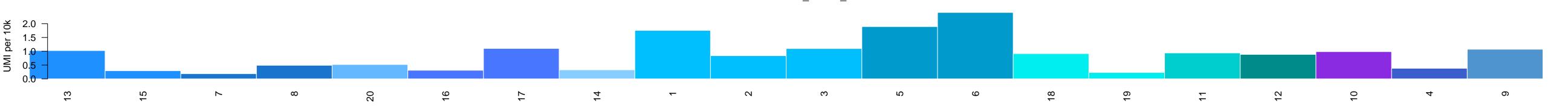
FERM_M.HG1.22:PTPN14/PTPN21;Y_phosphatase.HG1.37:PTPN14/PTPN21 HoiH23_PIH23_001814



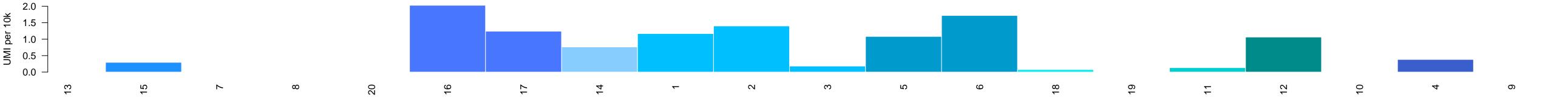
FERM_M.HG1.24:FRMD1/FRMD6/FRMPD2/PTPN13 HoiH23_PIH23_006873



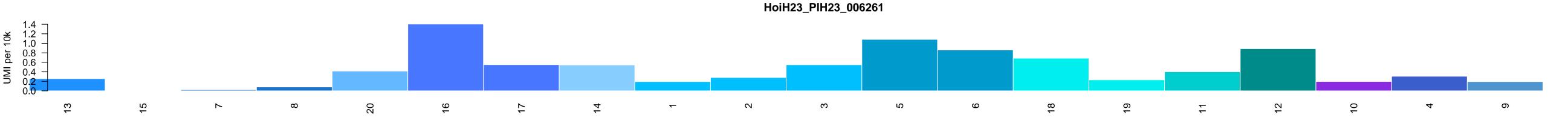
FERM_M.HG1.24:FRMD1/FRMD6/FRMPD2/PTPN13;Y_phosphatase.HG1.21:PTPN13/PTPN20 HoiH23_PIH23_008213



FERM_M.HG1.3:PLEKHH1/PLEKHH2 HoiH23_PIH23_009708



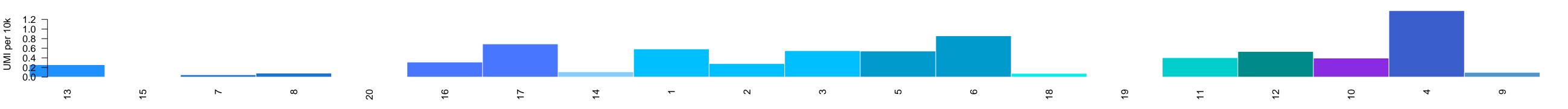
FERM_M.HG1.30:FRMD4A/FRMD4B HoiH23_PIH23_006261



FERM_M.HG1.32:EPB41/EPB41L1/EPB41L2/EPB41L3/EPB41L4A/EPB41L4B/EPB41L5/FARP1/FARP2/FRMD3/FRMD5/FRMD7/PTPN3/PTPN4 HoiH23_PIH23_002477



FERM_M.HG1.32:EPB41/EPB41L1/EPB41L2/EPB41L3/EPB41L4A/EPB41L4B/EPB41L5/FARP1/FARP2/FRMD3/FRMD5/FRMD7/PTPN3/PTPN4 HoiH23_PIH23_004814

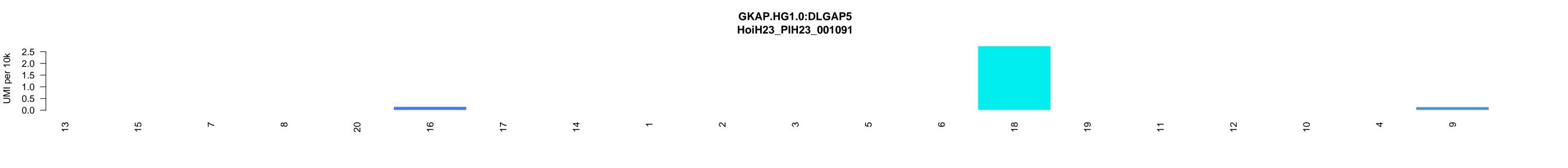


FERM_M.HG1.33:like:EZR/MSN/NF2/RDX HoiH23_PIH23_005869

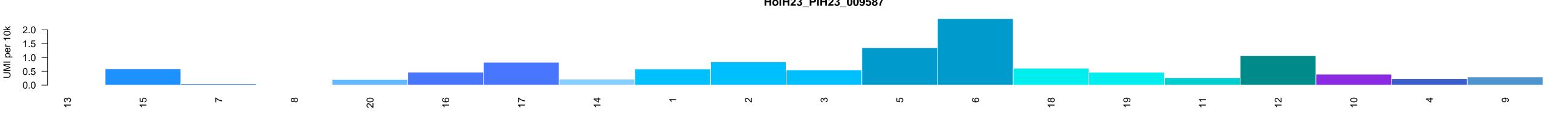
FERM_M.HG1.40:EZR/MSN/RDX HoiH23_PIH23_000264

FERM_M.HG1.7:like:FERMT1/FERMT2/FERMT3/TLN1/TLN2 HoiH23_PIH23_001224

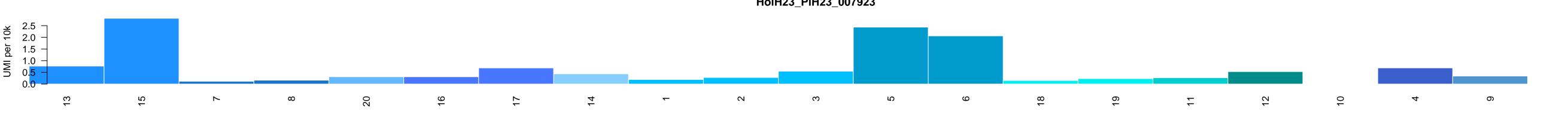




GKAP.HG1.1:DLGAP1/DLGAP2/DLGAP3/DLGAP4 HoiH23_PIH23_009587

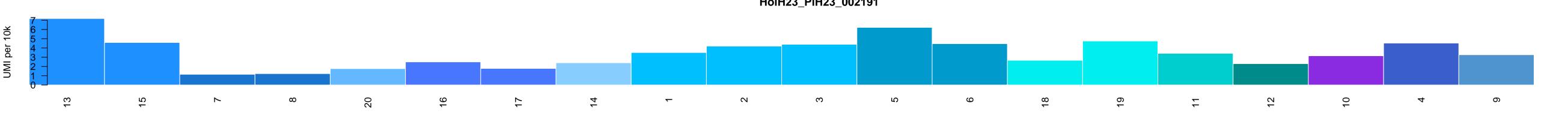


Guanylate_kin.HG1.0:MAGI1/MAGI2/MAGI3 HoiH23_PIH23_007923

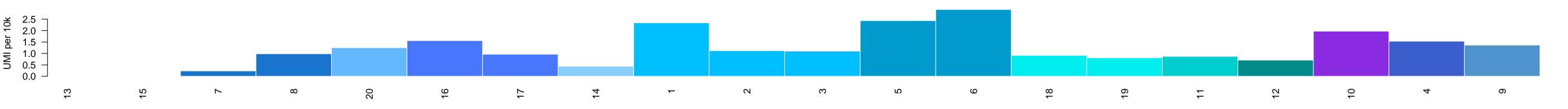


Guanylate_kin.HG1.10:like:GUK1/LRGUK HoiH23_PIH23_003279

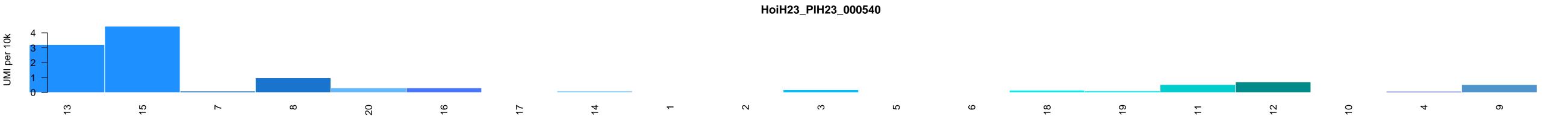
Guanylate_kin.HG1.9:like:CASK/MPP1/MPP2/MPP6;PDZ.HG2.5:MPP2/MPP6
HoiH23_PIH23_002191



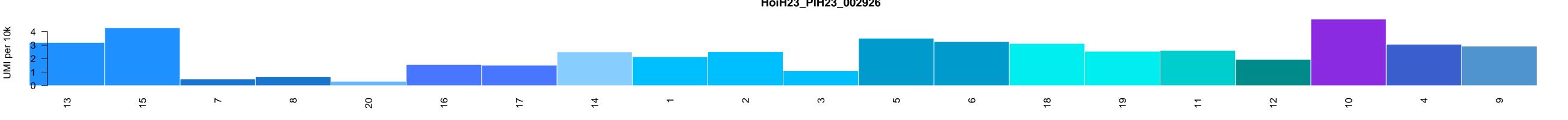
Guanylate_kin.HG2.0:CACNB1/CACNB2/CACNB3/CACNB4 HoiH23_PIH23_000883



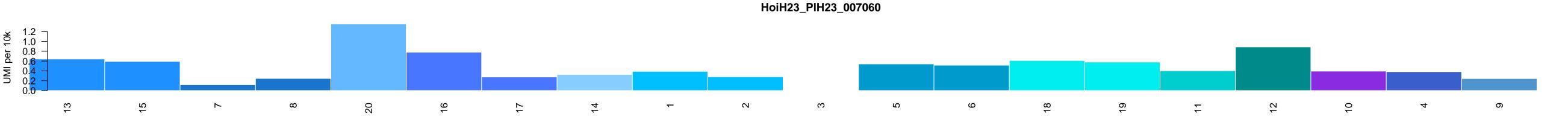
Homer.HG1.2:HOMER1/HOMER2/HOMER3



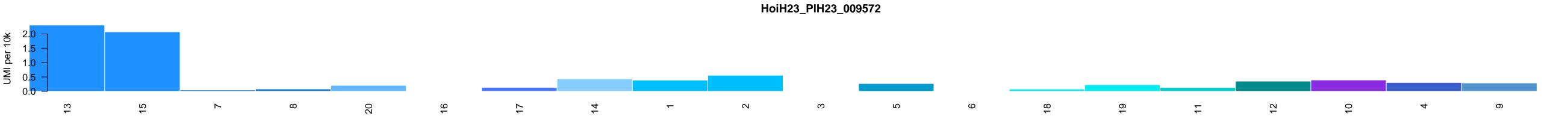
MARVEL.HG2.0:SYNGR1/SYNGR2/SYNGR4 HoiH23_PIH23_002926

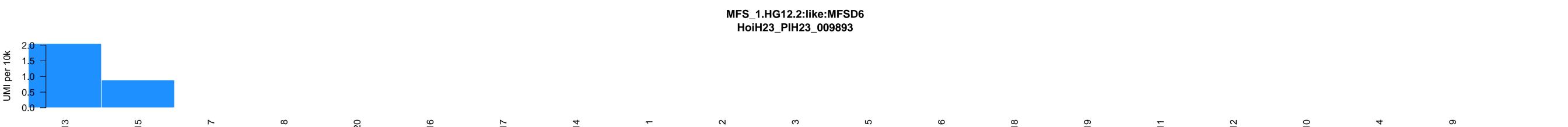


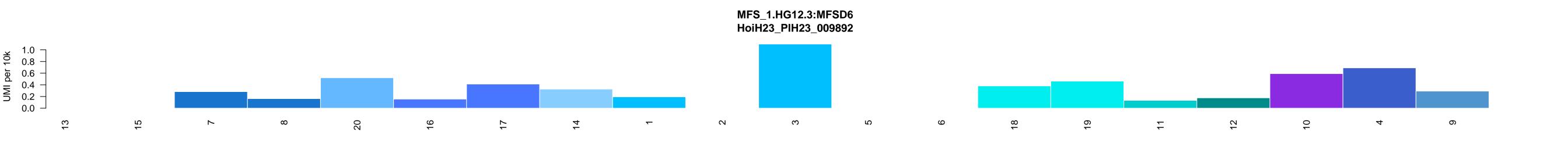
MARVEL.HG2.0:SYNGR1/SYNGR2/SYNGR4 HoiH23_PIH23_007060



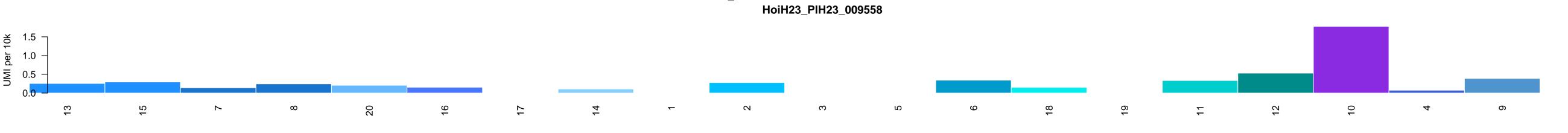
MFS_1.HG11.3:like:SLC37A1/SLC37A2/SLC37A3 HoiH23_PIH23_009572







MFS_1.HG15.1:SLC45A1/SLC45A2/SLC45A3 HoiH23_PIH23_009558

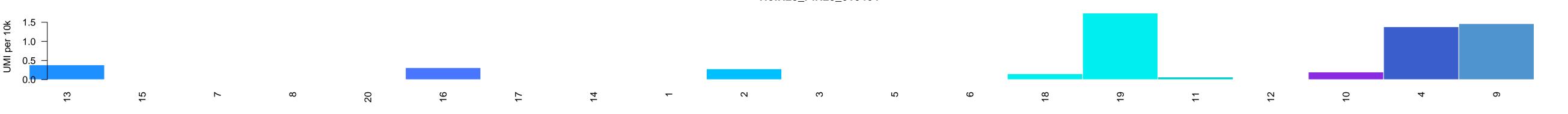


MFS_1.HG26.0:NA HoiH23_PIH23_005506 7

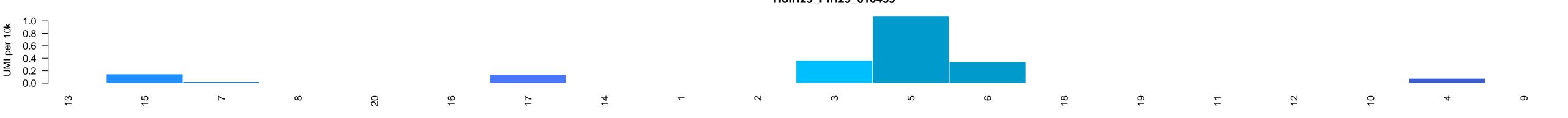
MFS_1.HG3.27:like:SV2A/SV2B/SV2C;Sugar_tr.HG2.36:like:SV2A/SV2B/SV2C HoiH23_PIH23_002324



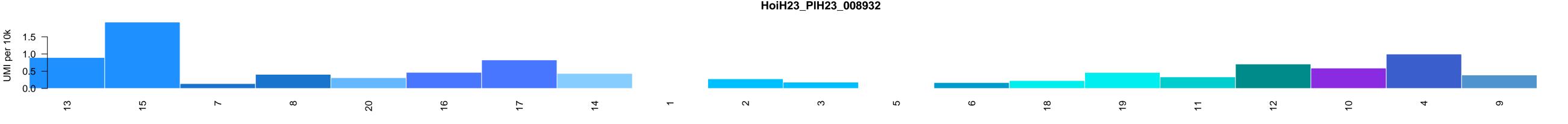
MFS_1.HG3.43:like:SV2A/SV2B/SV2C;Sugar_tr.HG2.50:like:SV2A/SV2B/SV2C HoiH23_PIH23_010464



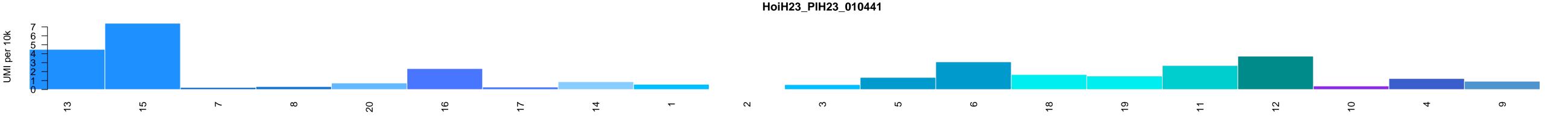
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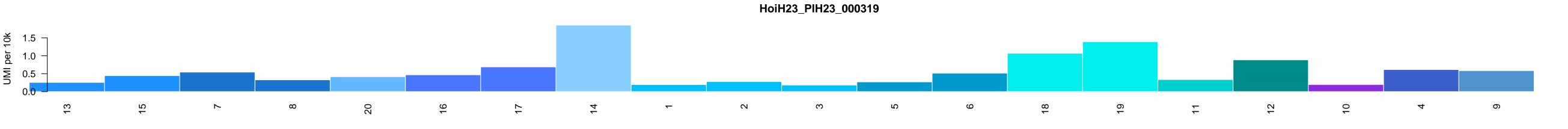
MFS_1.HG4.2:SLC2A6/SLC2A8;Sugar_tr.HG3.6:SLC2A6/SLC2A8 HoiH23_PIH23_008932

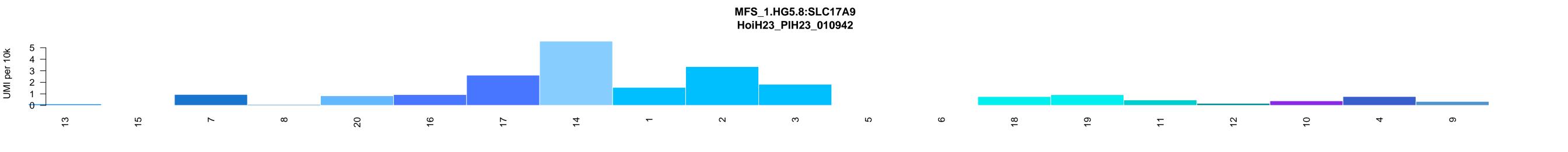


MFS_1.HG4.3:like:SLC2A10/SLC2A12;Sugar_tr.HG3.4:like:SLC2A10/SLC2A12/SLC2A13 HoiH23_PIH23_010441

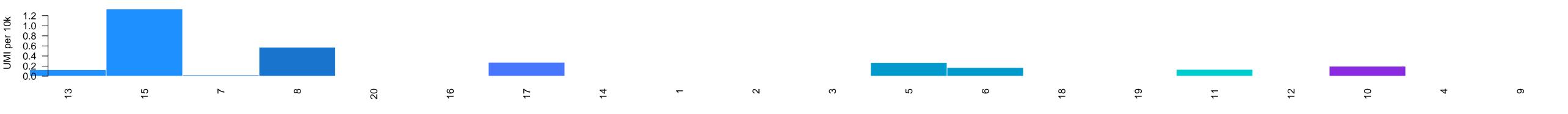


MFS_1.HG5.21:SLC17A6/SLC17A7/SLC17A8 HoiH23_PIH23_000319

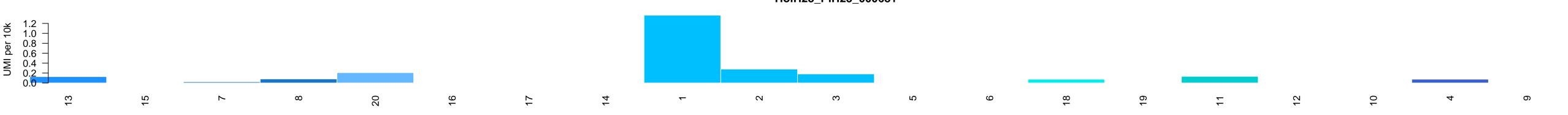




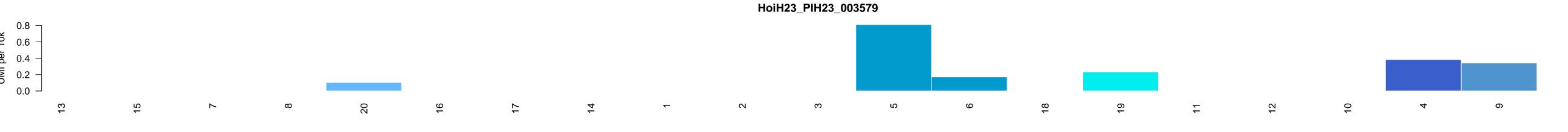
MFS_1.HG6.1:like:SLCO1A2/SLCO1B1/SLCO1B3/SLCO1B3-SLCO1B7/SLCO1C1/SLCO2A1/SLCO2B1/SLCO3A1/SLCO4A1/SLCO4C1/SLCO5A1/SLCO6A1 HoiH23_PIH23_001222



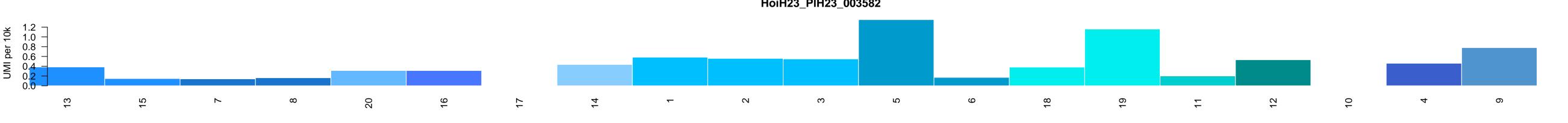
MFS_1.HG7.0:SLC18A1/SLC18A2/SLC18A3/SLC18B1 HoiH23_PIH23_000681



MFS_1.HG7.0:SLC18A1/SLC18A2/SLC18A3/SLC18B1 HoiH23_PIH23_003579



MFS_1.HG7.0:SLC18A1/SLC18A2/SLC18A3/SLC18B1 HoiH23_PIH23_003582

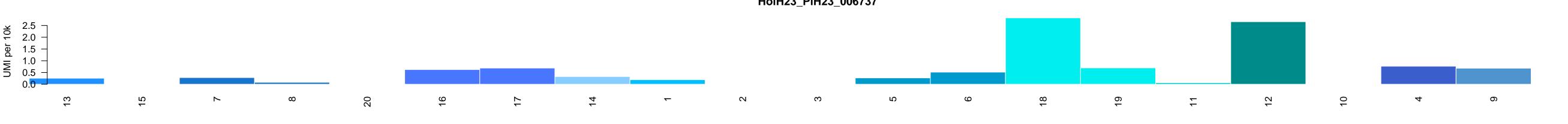


MFS_1.HG7.0:SLC18A1/SLC18A2/SLC18A3/SLC18B1 HoiH23_PIH23_003584

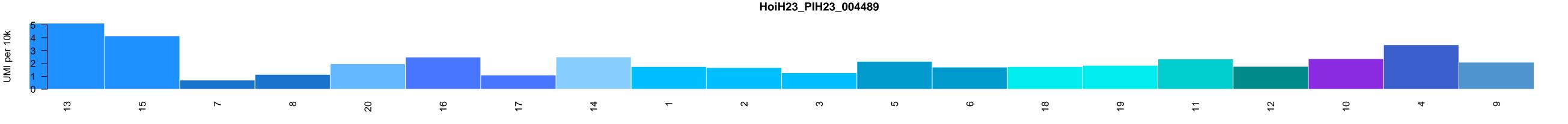


MFS_1.HG8.11:SLC22A18 HoiH23_PIH23_009602 7

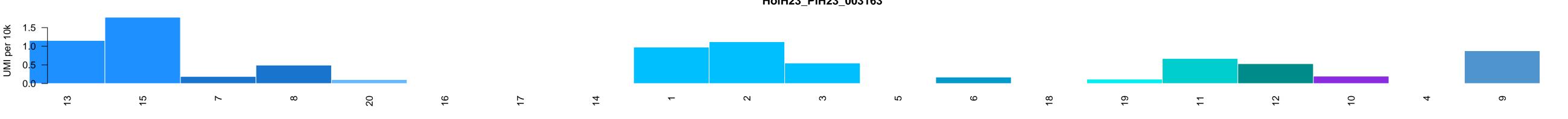
MFS_1.HG9.2:SLC46A1/SLC46A2/SLC46A3 HoiH23_PIH23_006737



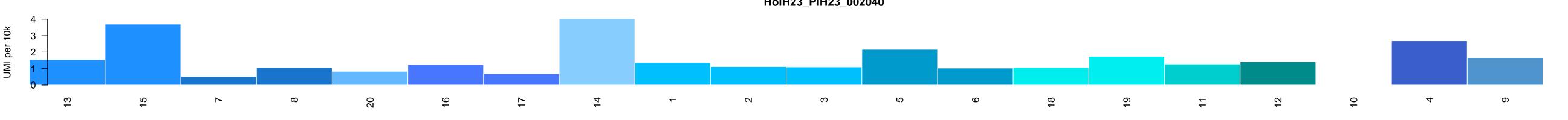
PDZ.HG2.1:PARD6A/PARD6B/PARD6G HoiH23_PIH23_004489



PDZ.HG2.2:like:PARD6A/PARD6B/PARD6G HoiH23_PIH23_003163

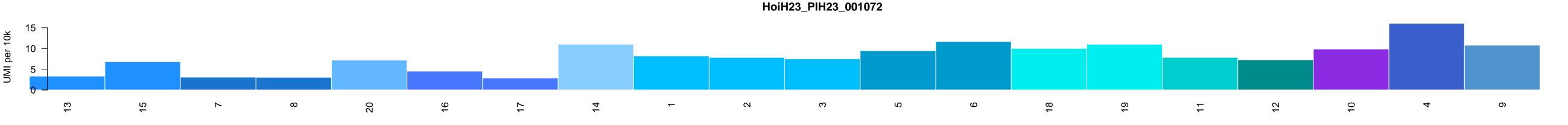


PDZ.HG3.14:SHROOM2/SHROOM3/SHROOM4/SYNPO2/SYNPO2L HoiH23_PIH23_002040

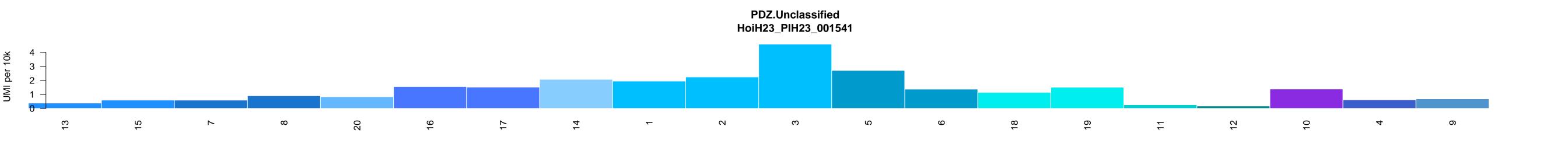


PDZ.HG4.1:PDZD8 HoiH23_PIH23_010498 当.2 1.0 1.0 0.8 -

PDZ.Unclassified oiH23_PIH23_001072

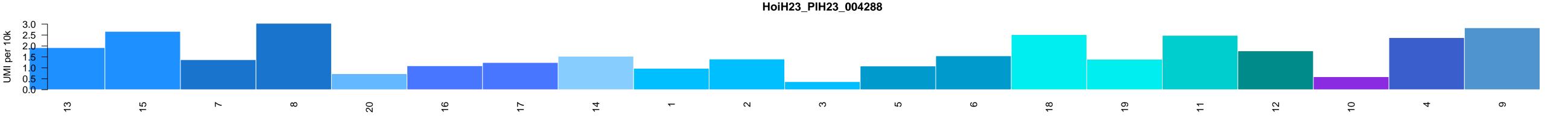


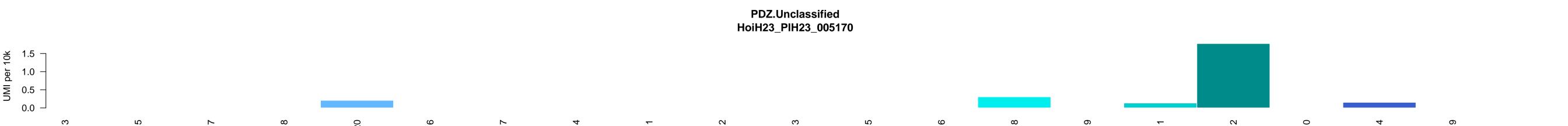
PDZ.Unclassified HoiH23_PIH23_001486



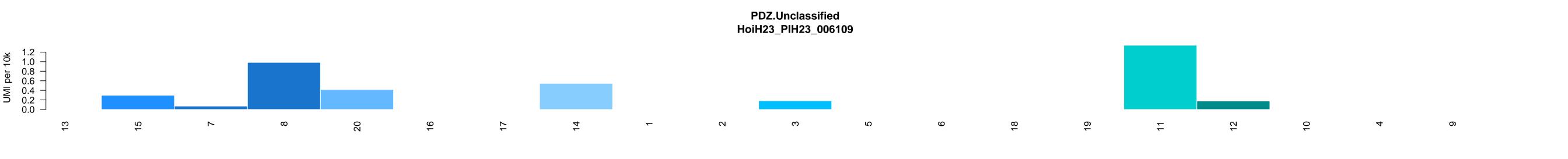
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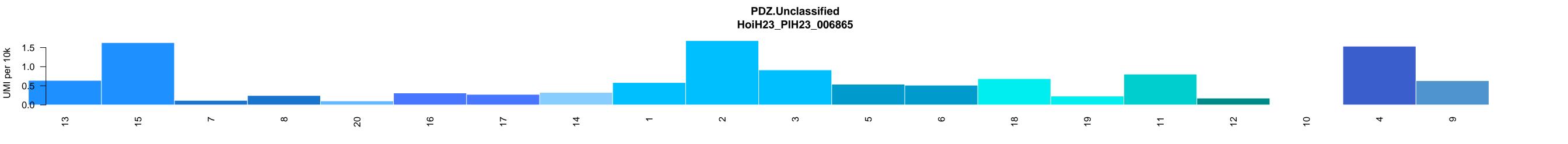
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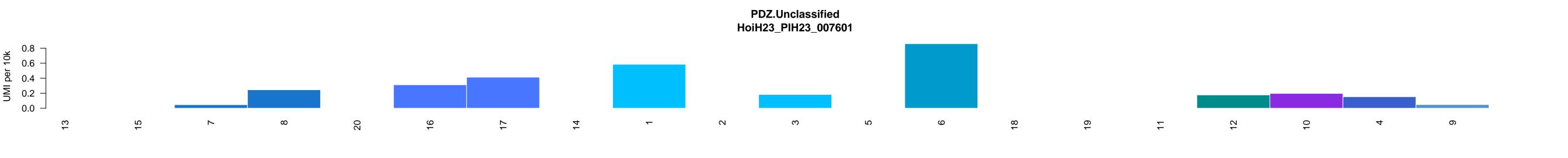




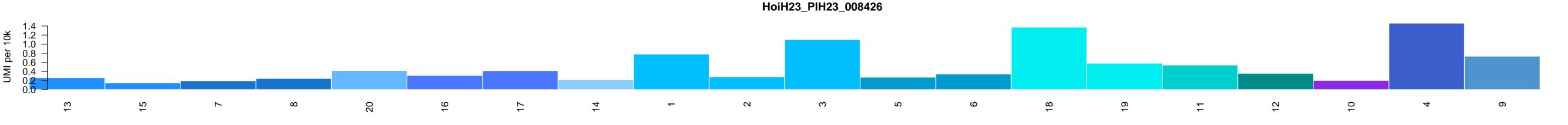
PDZ.Unclassified HoiH23_PIH23_005554 7







PDZ.Unclassified

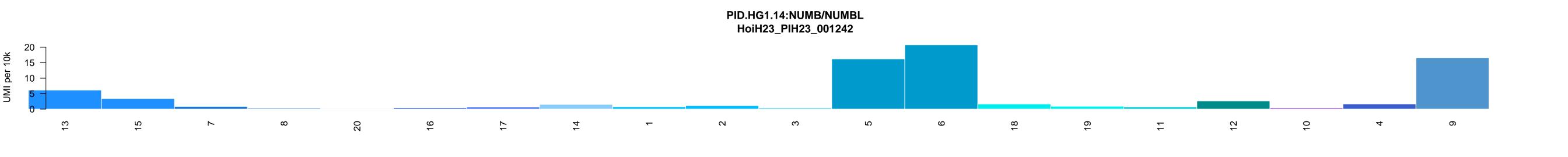


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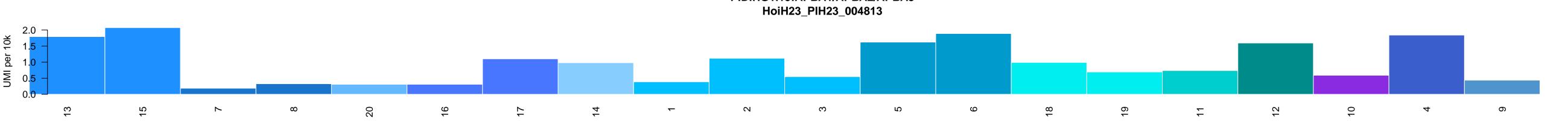
PDZ.Unclassified HoiH23_PIH23_009273 → 1.0 ¬ → 8.0 − 7

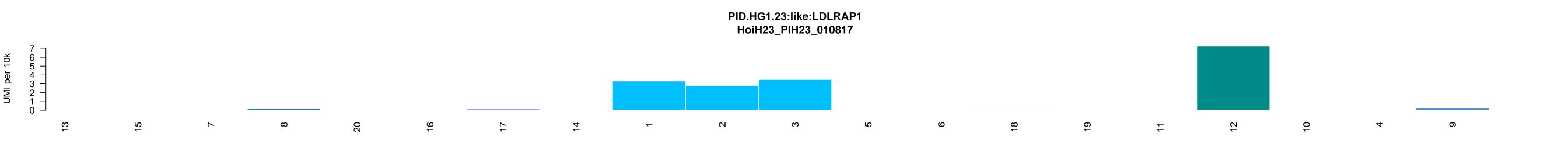
PDZ.Unclassified HoiH23_PIH23_010944

PID.HG1.12:SHC1/SHC2/SHC3/SHC4 HoiH23_PIH23_008820

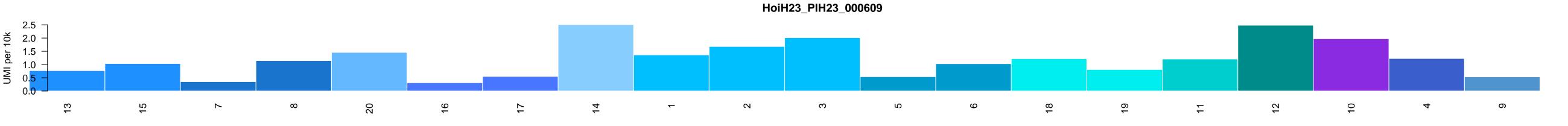


PID.HG1.19:APBA1/APBA2/APBA3 HoiH23_PIH23_004813





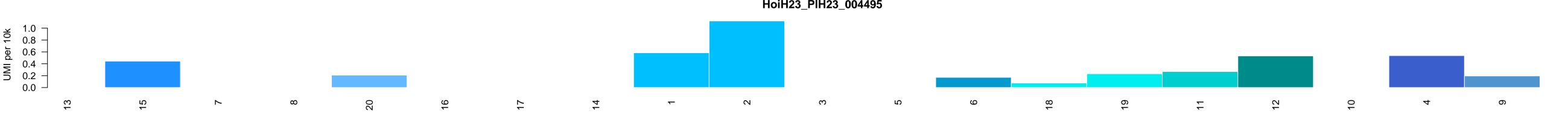
PMCA.HG1.1:ATP2A1/ATP2A2/ATP2A3 HoiH23_PIH23_000609



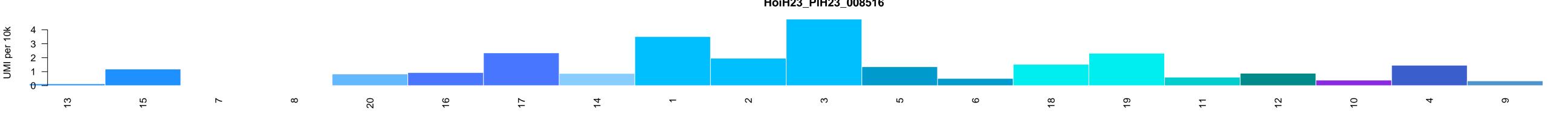
PMCA.HG1.2:ATP2C1/ATP2C2 HoiH23_PIH23_010312

Pyridoxal_deC.HG1.2:PDXDC1 HoiH23_PIH23_001931

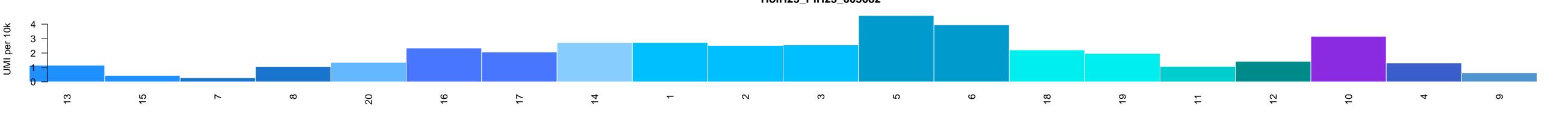
Pyridoxal_deC.HG1.4:CSAD/GAD1/GAD2/GADL1 HoiH23_PIH23_004495

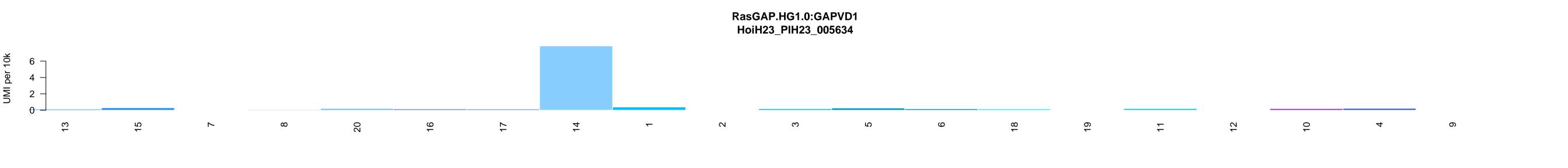


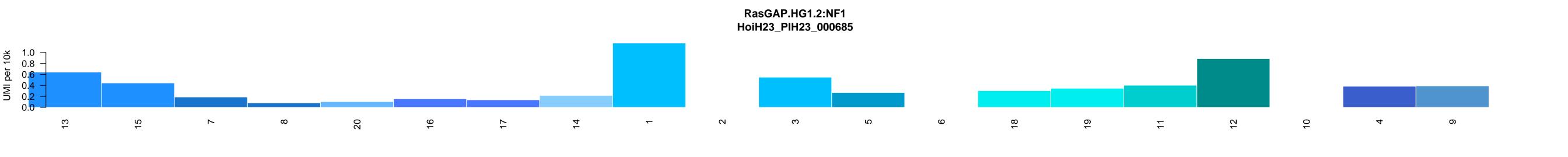
RabphilinRIM.HG1.3:RIMS1/RIMS2;Synaptotagmin.HG1.38:RIMS1/RIMS2/RIMS3/RIMS4 HoiH23_PIH23_008516



RabphilinRIM.HG1.4:RPH3A/RPH3AL;Synaptotagmin.HG1.40:DOC2A/DOC2B/RPH3A
HoiH23_PIH23_003082

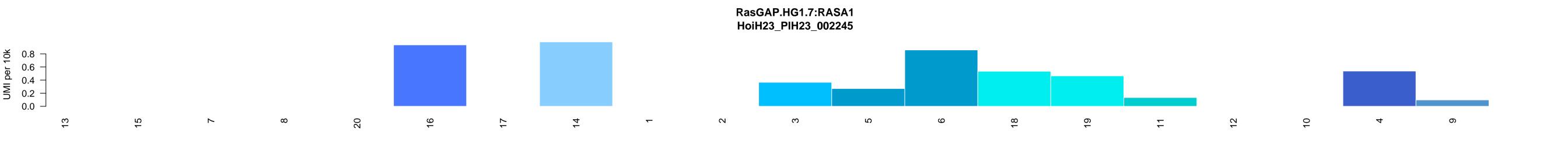




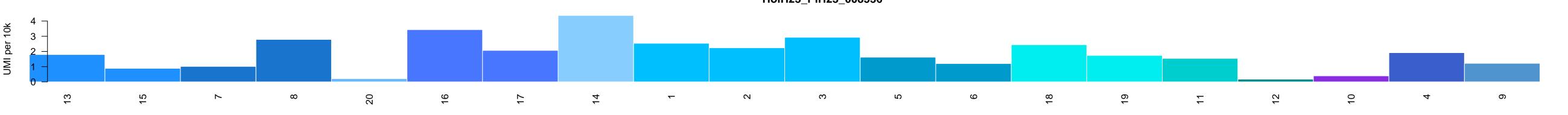


RasGAP.HG1.5:DAB2IP/RASAL2/RASAL3/SYNGAP1;SynGAP.HG1.2:like:DAB2IP/RASAL2/SYNGAP1 HoiH23_PIH23_000003

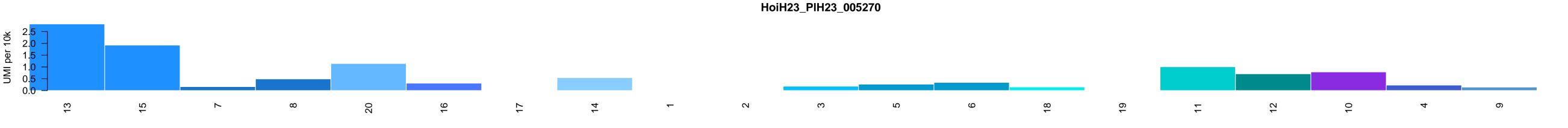




RasGAP.HG1.9:RASA2/RASA3;Synaptotagmin.HG1.57:RASA2/RASA3 HoiH23_PIH23_008536



SDF.HG1.1:SLC1A1/SLC1A2/SLC1A3/SLC1A4/SLC1A5/SLC1A6/SLC1A7 HoiH23_PIH23_005270

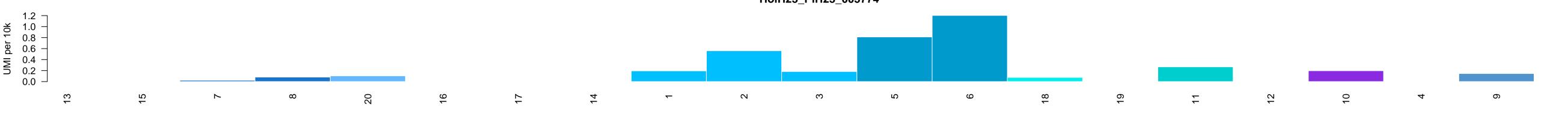


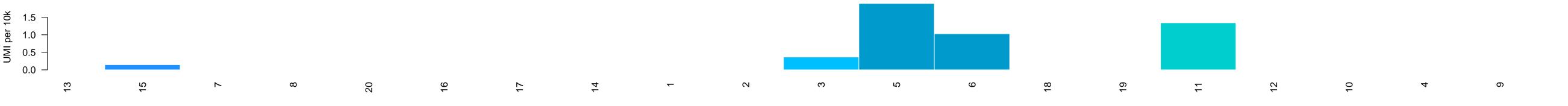
SNAP-25.HG1.2:SNAP25 HoiH23_PIH23_009091

SNF.HG1.17:like:SLC6A5/SLC6A7/SLC6A9/SLC6A14 HoiH23_PIH23_005836

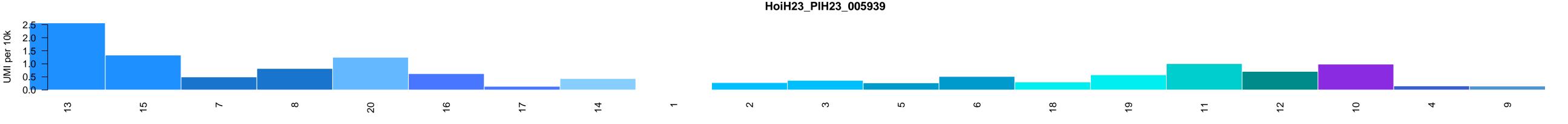


SNF.HG1.2:like:AC136616.1/SLC6A1/SLC6A2/SLC6A3/SLC6A4/SLC6A5/SLC6A6/SLC6A7/SLC6A8/SLC6A9/SLC6A11/SLC6A12/SLC6A13/SLC6A14/SLC6A15/SLC6A16/SLC6A17/SLC6A18/SLC6A19/SLC6A20
HoiH23_PIH23_003774

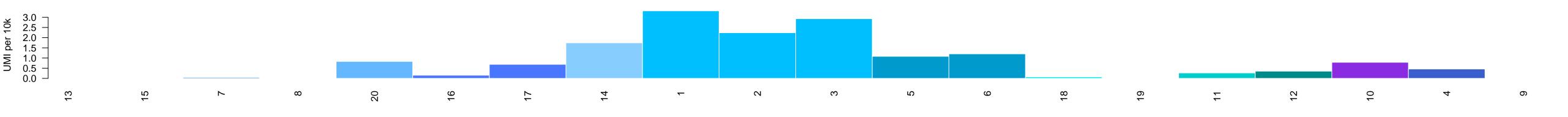




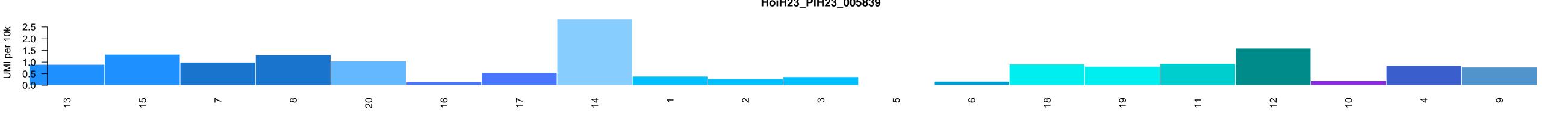
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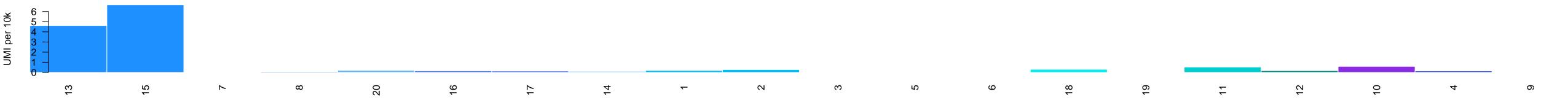
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HoiH23_PIH23_007652



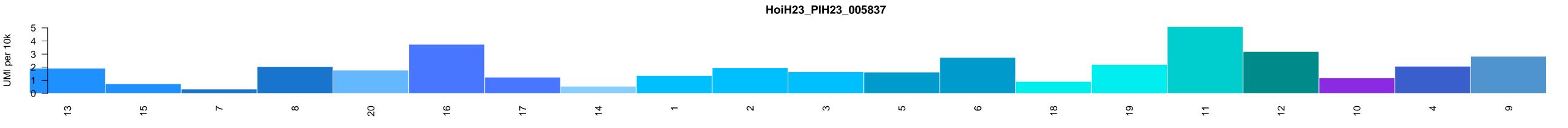
SNF.HG1.25:like:SLC6A5/SLC6A7/SLC6A9/SLC6A14 HoiH23_PIH23_005839



SNF.HG1.30:like:SLC6A5/SLC6A7/SLC6A9/SLC6A14 HoiH23_PIH23_005838



SNF.HG1.31:like:SLC6A5/SLC6A7/SLC6A9/SLC6A14 HoiH23_PIH23_005837



SNF.HG1.4:SLC6A15/SLC6A16/SLC6A17/SLC6A18/SLC6A19/SLC6A20 HoiH23_PIH23_001631

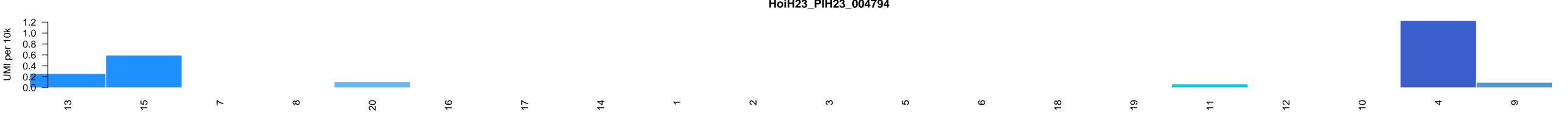


SNF.HG1.46:like:SLC6A5/SLC6A7/SLC6A9/SLC6A14 HoiH23_PIH23_004791



7

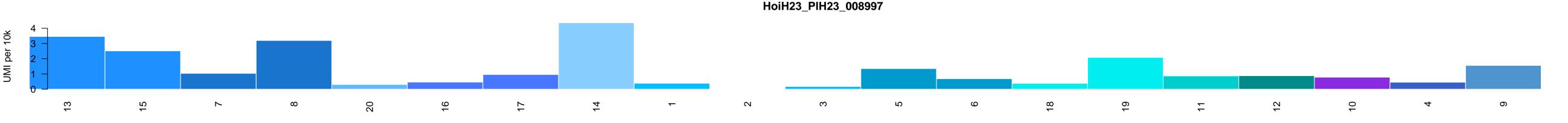
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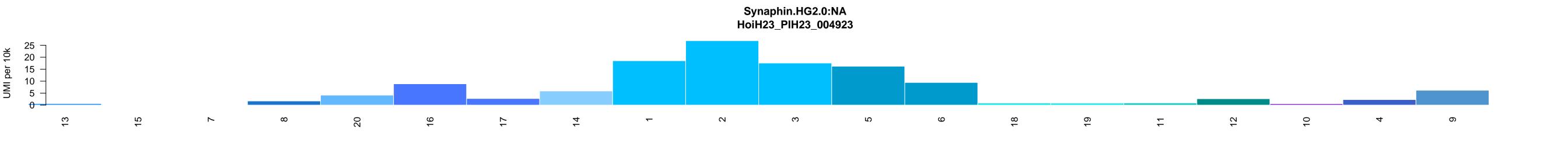


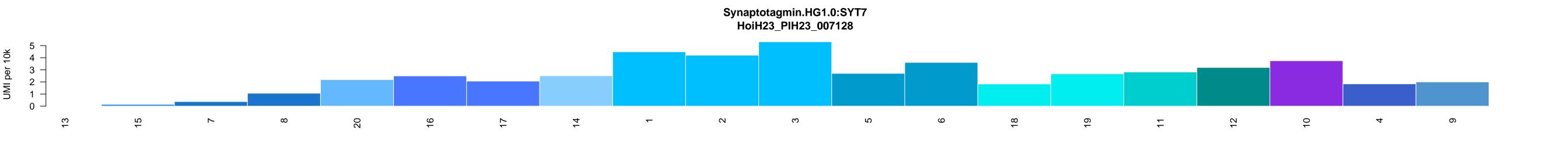
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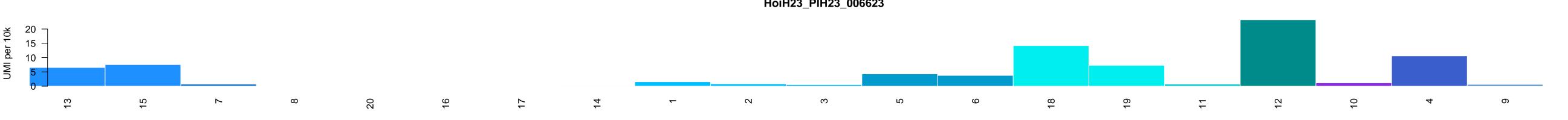
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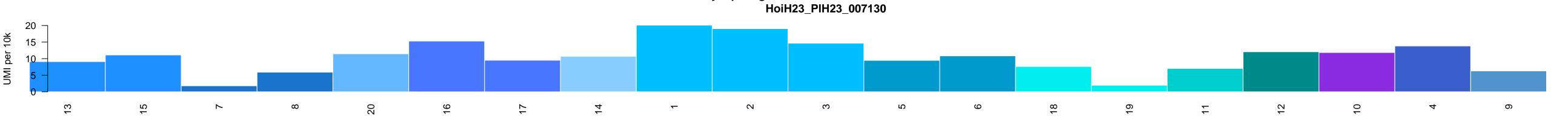




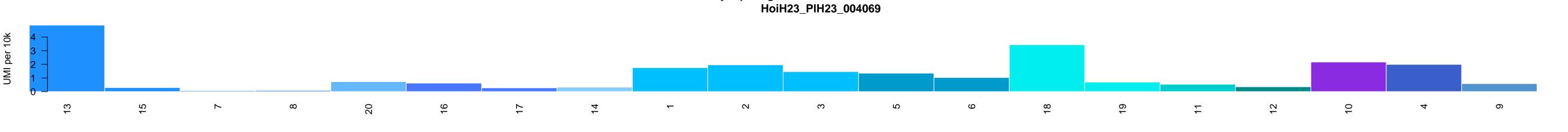
Synaptotagmin.HG1.18:FO681492.1/SYT15 HoiH23_PIH23_006623



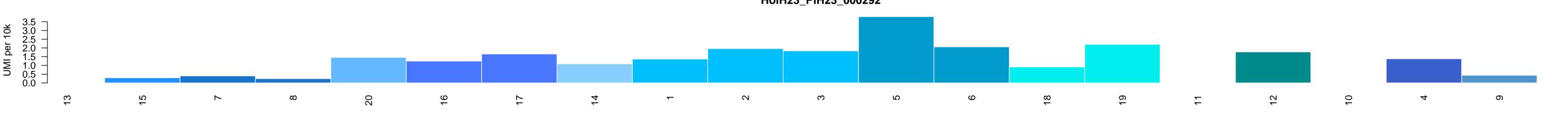
Synaptotagmin.HG1.2:SYT1/SYT2/SYT5/SYT8 HoiH23_PIH23_007130



Synaptotagmin.HG1.32:BAIAP3/UNC13D HoiH23_PIH23_004069

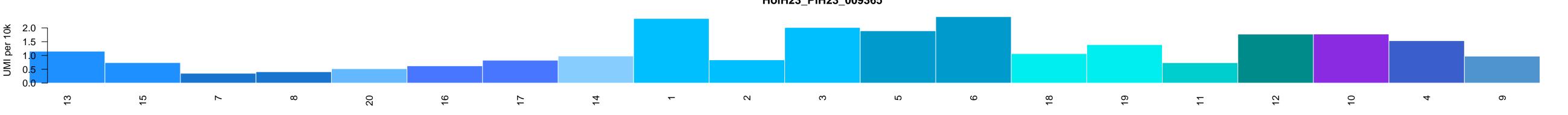


Synaptotagmin.HG1.45:like:SYTL1/SYTL2/SYTL3/SYTL4/SYTL5
HoiH23_PIH23_000292

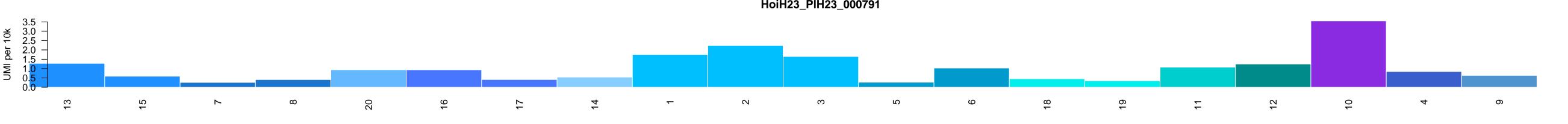


Synaptotagmin.HG1.49:ESYT1/ESYT2/ESYT3 HoiH23_PIH23_004937

Synaptotagmin.HG1.59:like:ITSN2/UNC13A/UNC13C HoiH23_PIH23_009365

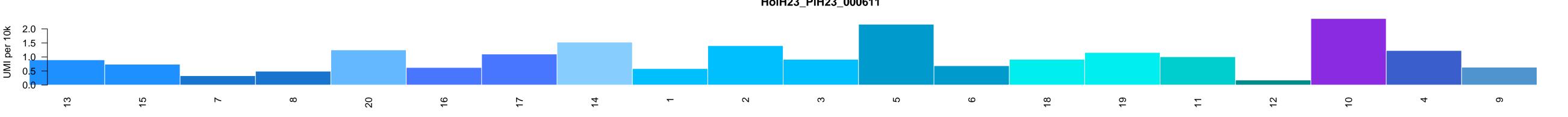


Syntaxin.HG1.1:STX16/STX16-NPEPL1
HoiH23_PIH23_000791

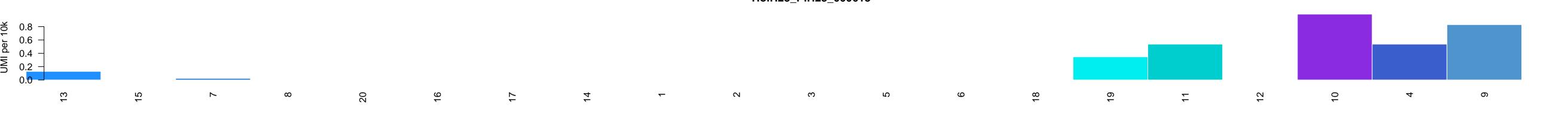


Syntaxin.HG1.2:STX7/STX12 HoiH23_PIH23_007766 ¥ 5 7 7

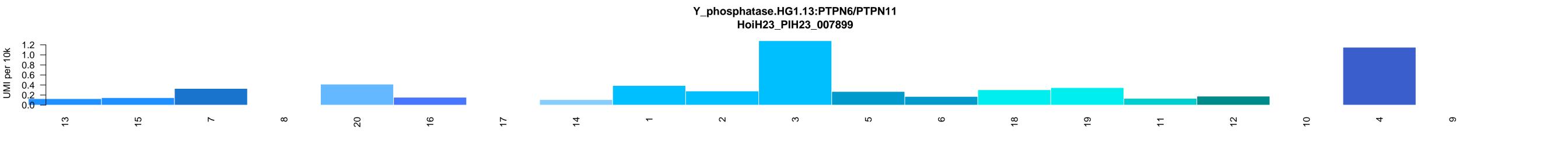
Syntaxin.HG1.4:STX1A/STX1B/STX2/STX3/STX4 HoiH23_PIH23_000611



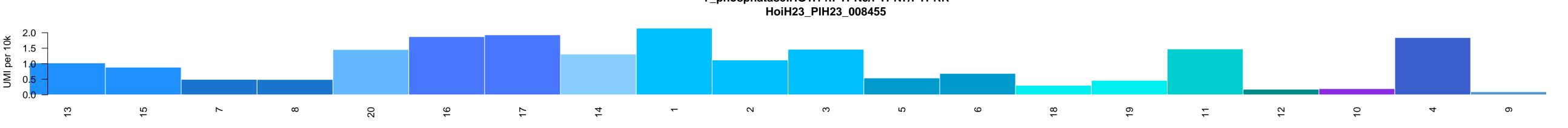
Syntaxin.HG1.4:STX1A/STX1B/STX2/STX3/STX4 HoiH23_PIH23_000613



Syntaxin.HG1.4:STX1A/STX1B/STX2/STX3/STX4 HoiH23_PIH23_005778



Y_phosphatase.HG1.14:PTPN5/PTPN7/PTPRR HoiH23_PIH23_008455



Y_phosphatase.HG1.16:like:PTPRK/PTPRM/PTPRT/PTPRU HoiH23_PIH23_008288

Y_phosphatase.HG1.24:like:PTPRA/PTPRC/PTPRD/PTPRE/PTPRF/PTPRG/PTPRS/PTPRZ1 HoiH23_PIH23_008383



Y_phosphatase.HG1.26:like:PTPN9 HoiH23_PIH23_001146

Y_phosphatase.HG1.29:PTPRN/PTPRN2 HoiH23_PIH23_002447

Y_phosphatase.HG1.52:PTPRG/PTPRZ1 HoiH23_PIH23_002628

Y_phosphatase.HG2.8:PTP4A1/PTP4A2/PTP4A3 HoiH23_PIH23_004698

Y_phosphatase.HG3.4:like:DUSP1/DUSP4/DUSP5 HoiH23_PIH23_008030

