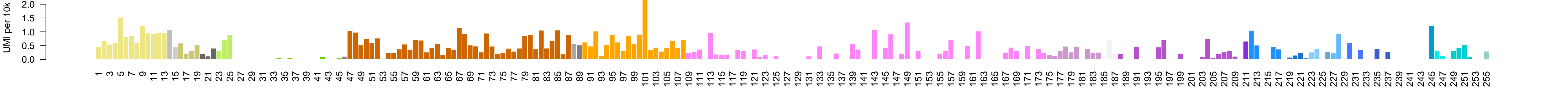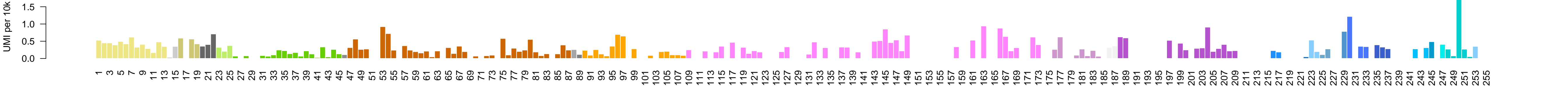**Acetyltransf_1.HG1.0:KAT14**
Hhon_g03496.t1

Acetyltransf_1.HG1.1:like:AANAT/GNPNAT1/NAA40/NAA50/NAA60/NAA80/NAT8/NAT8B/NAT8L/SAT1/SAT2/SATL1
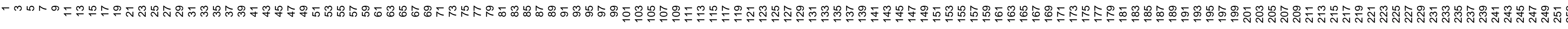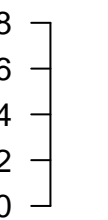
Hhon_g01422.t1

Acetyltransf_1.HG1.1:like:AANAT/GNPNAT1/NAA40/NAA50/NAA60/NAA80/NAT8/NAT8B/NAT8L/SAT1/SAT2/SATL1
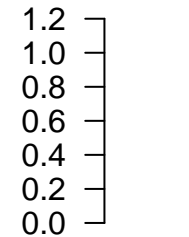**Hhon_g04497.t1**

Acetyltransf_1.HG1.16:GNPNAT1
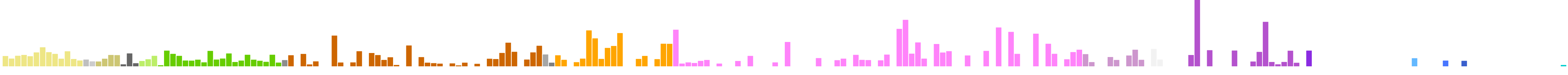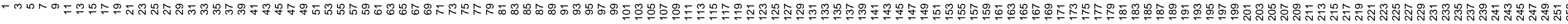Hhon_g03106.t1

Acetyltransf_1.HG1.20:NAA40
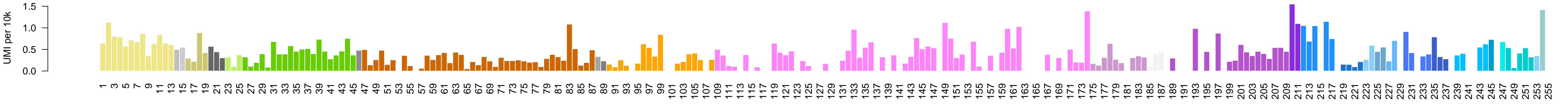**Hhon_g06086.t1**

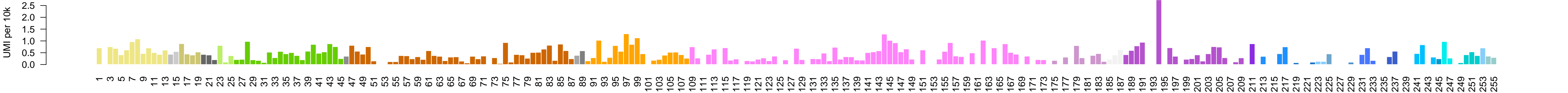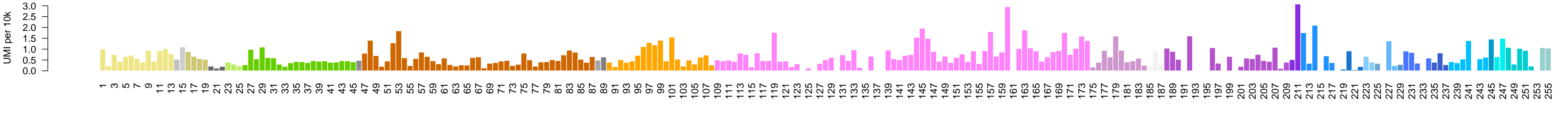**AcetyltransF_1.HG1.28:SAT1/SATL1**
Hhon_g00514.t1
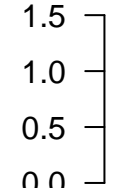
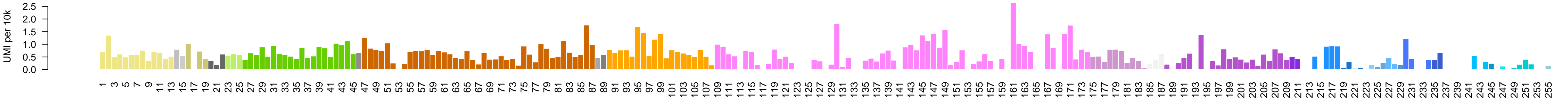**Acetyltransf_1.HG1.5:NAA30**
Hhon_g09845.t1

Acetyltransf_1.HG1.7:NAA10/NAA11
Hhon_g09051.t1

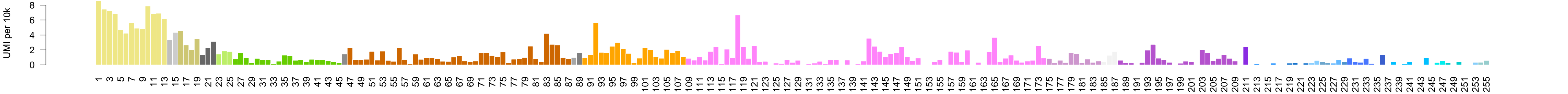**Acetyltransf_1.HG1.8:NAA20**
Hhon_g07286.t1

Acetyltransf_1.HG1.9:NAA50
Hhon_g03268.t1

Acetyltransf_1.HG2.0:NA
Hhon_g08710.t1
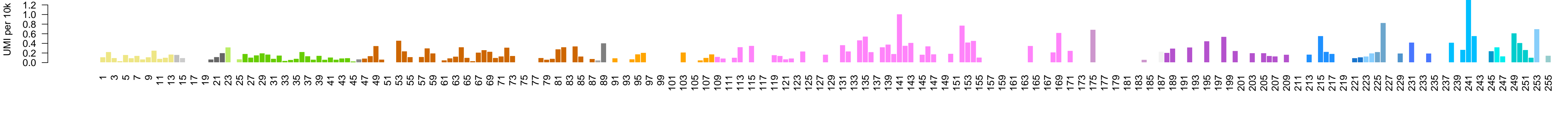
Acetyltransf_1.HG2.0:NA
Hhon_g10162.t1

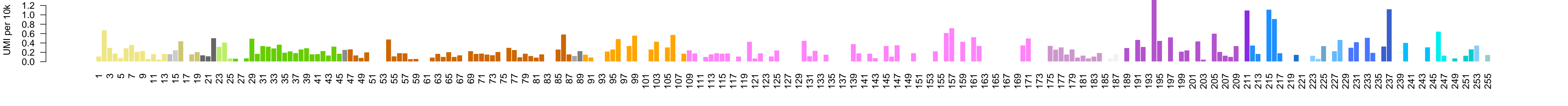**Acetyltransf_1.HG2.0:NA**
Hhon_g10163.t1

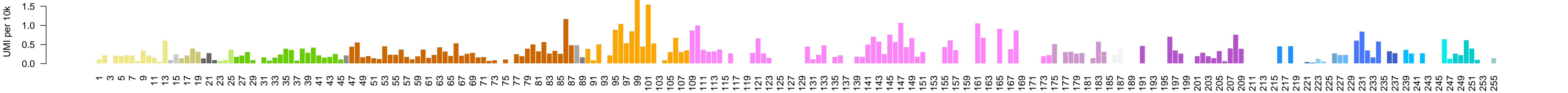**Acetyltransf_1.HG2.0:NA**
Hhon_g11808.t1
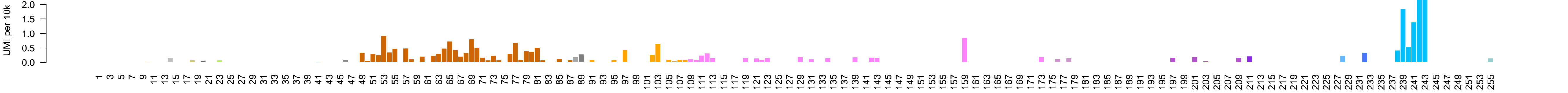
Acetyltransf_1.HG3.1:KAT2A/KAT2B;Bromodomain.HG1.16:KAT2A/KAT2B
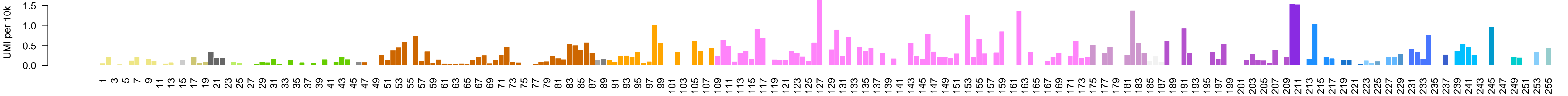**Hhon_g08388.t1**
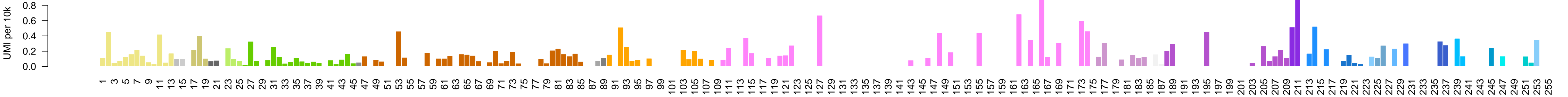
Acetyltransf_1.HG4.1:ELP3
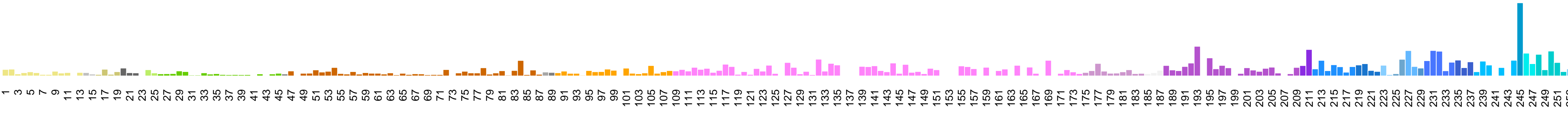**Hhon_g07417.t1**

ASF1_hist_chap.HG1.0:ASF1A/ASF1B
Hhon_g07514.t1

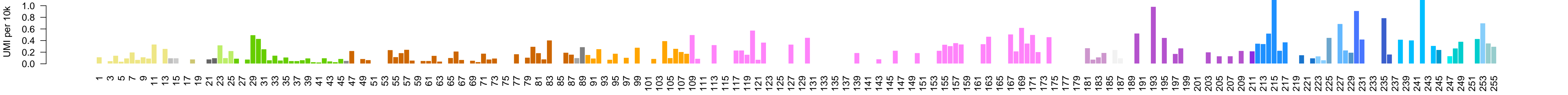BAH.HG1.3:PBRM1;Bromodomain.HG1.29:PBRM1
Hhon_g09288.t1

BAH.HG1.6:RERE
Hhon_g01820.t1

BAH.HG1.7:MTA1/MTA2/MTA3
Hhon_g03116.t1

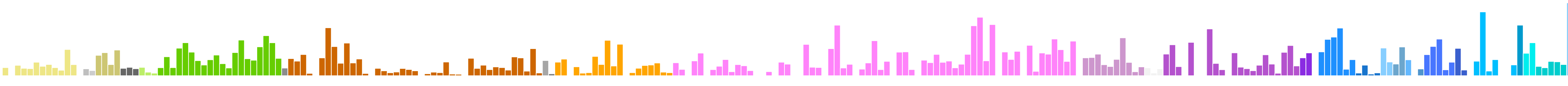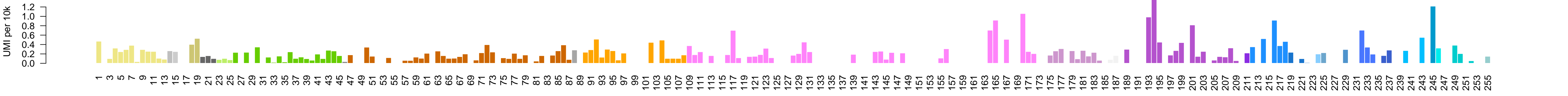**BIR.HG1.5:BIRC6**
Hhon_g04612.t1
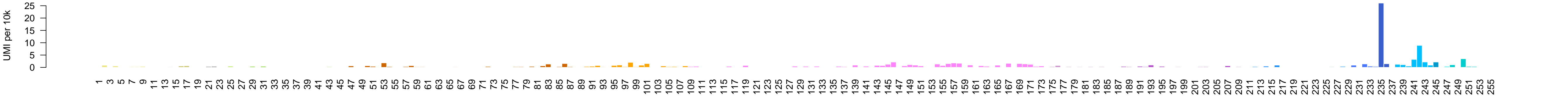
BIR.HG1.6:BIRC5
Hhon_g02999.t1

Bromodomain.HG1.14:TAF1/TAF1L

Hhon_g11136.t1
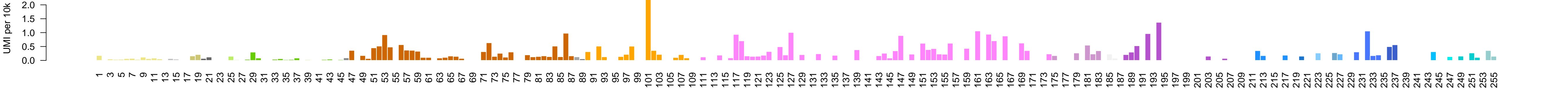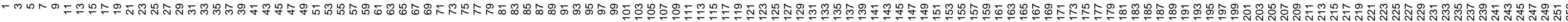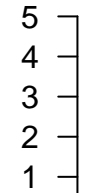
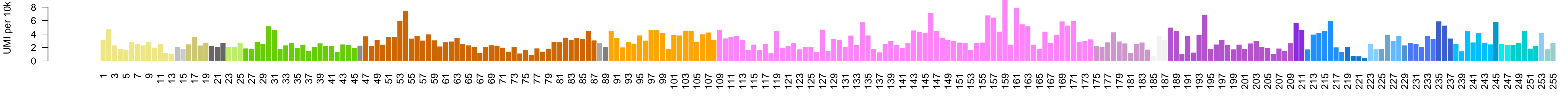**Bromodomain.HG1.17:BRD7/BRD9**
Hhon_g04486.t1

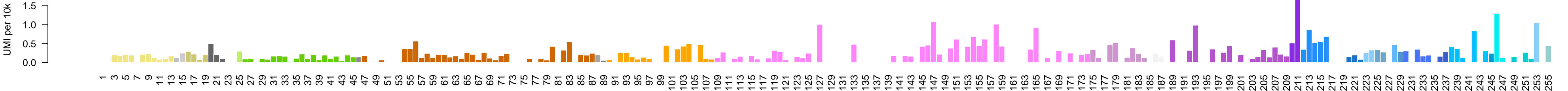# Bromodomain.HG1.18:BRD1/BRPF1/BRPF3;PWWP.HG1.12:BRD1/BRPF1/BRPF3
Hhon_g02173.t1

Bromodomain.HG1.20:BRD2/BRD3/BRD4/BRDT
Hhon_g03776.t1

Bromodomain.HG1.21:BRWD1/BRWD3/PHIP
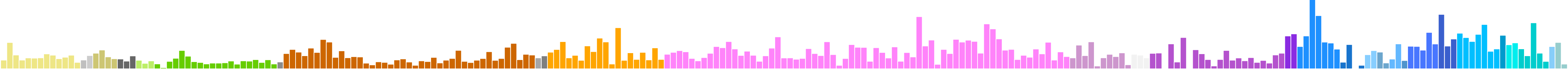**Hhon_g08078.t1**

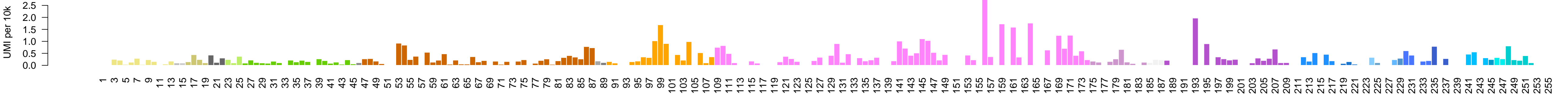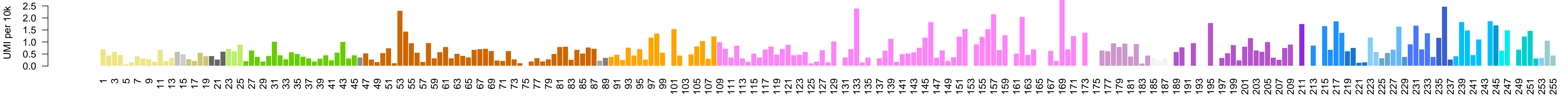Bromodomain.HG1.25:CREBBP/EP300;KAT11.HG1.2:CREBBP/EP300
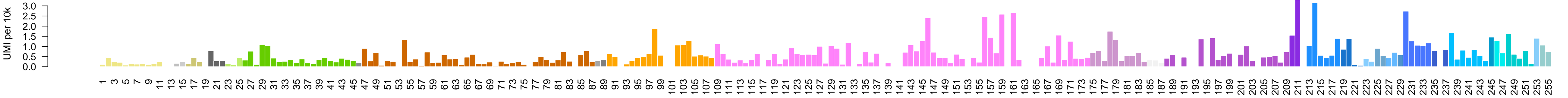Hhon_g05460.t1

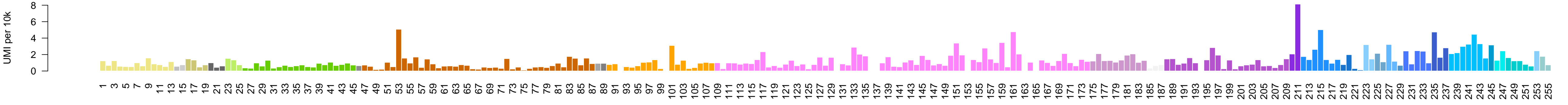**Bromodomain.HG1.28:ATAD2/ATAD2B**
Hhon_g00127.t1

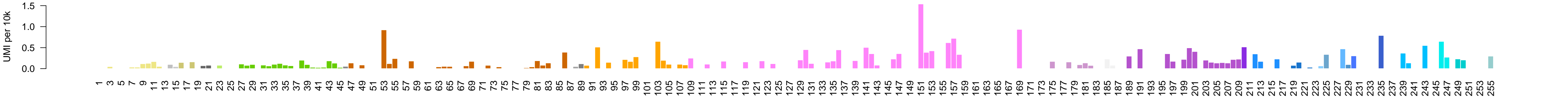**Bromodomain.HG1.30:SMARCA2/SMARCA4;SNF2_N.HG1.8:SMARCA2/SMARCA4**
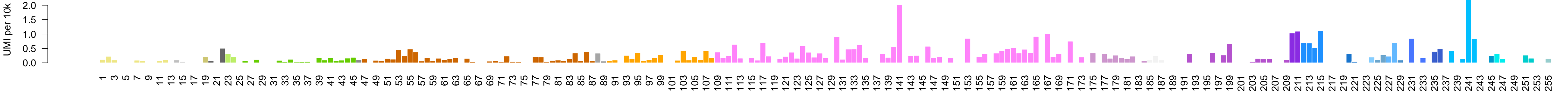**Hhon_g07719.t1**

Bromodomain.HG1.4:BAZ1A
Hhon_g07271.t1

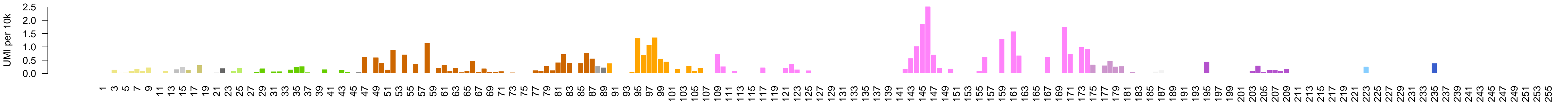**Bromodomain.HG1.5:BAZ2A/BAZ2B**
Hhon_g04767.t1

Bromodomain.HG1.7:like:BRD8
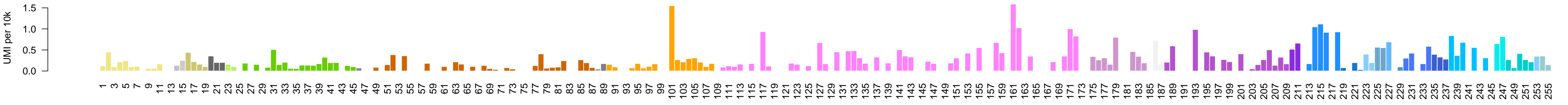**Hhon_g04951.t1**

Bromodomain.HG1.9:like:BRD2/BRD3/BRD4/BRDT

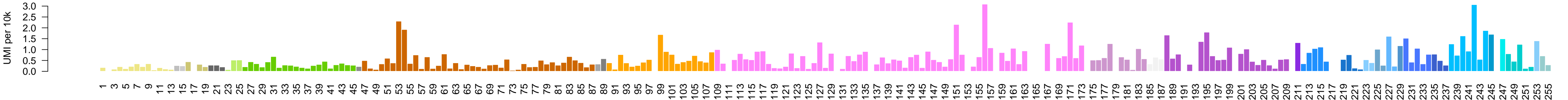Hhon_g09299.t1

CAF1A.HG1.0:CHAF1A
Hhon_g08458.t1

Chromo.HG1.12:AC006064.6/CHD3/CHD4/CHD5;SNF2_N.HG1.26:AC006064.6/CHD3/CHD4/CHD5
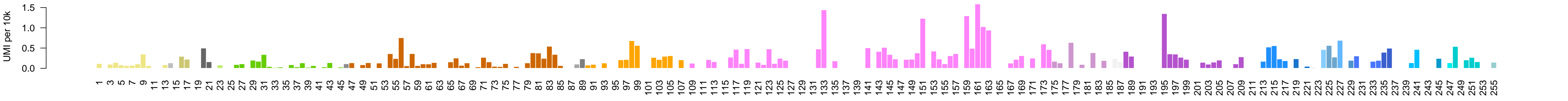**Hhon_g01723.t1**

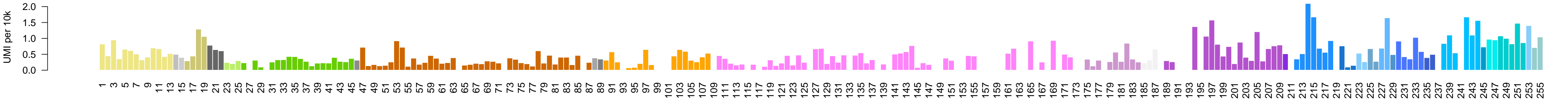Chromo.HG1.13:CHD6/CHD7/CHD8/CHD9;SNF2_N.HG1.28:CHD6/CHD7/CHD8/CHD9
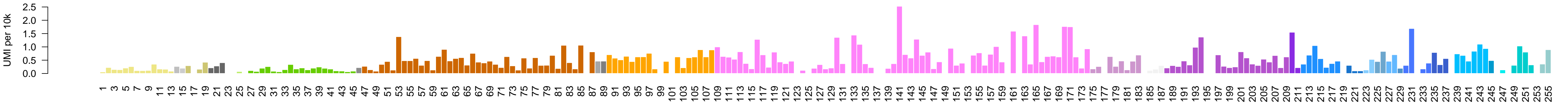Hhon_g07827.t1

Chromo.HG1.14:CHD1/CHD2;SNF2_N.HG1.27:CHD1/CHD2
Hhon_g05913.t1

Chromo.HG1.21:CBX2/CBX4/CBX6/CBX7/CBX8
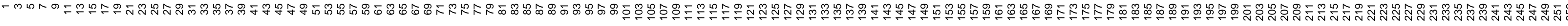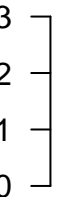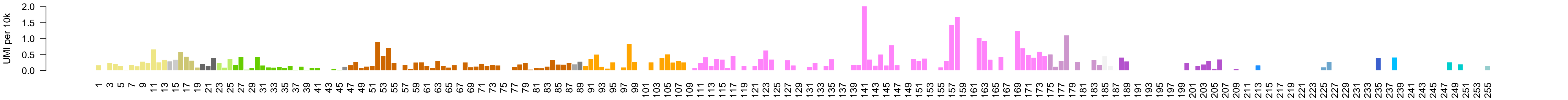**Hhon_g03880.t1**

Chromo.HG1.6:SUV39H1/SUV39H2
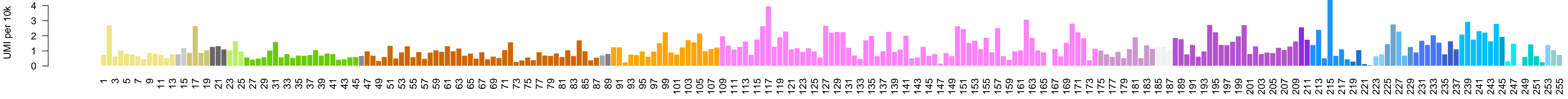Hhon_g09127.t1

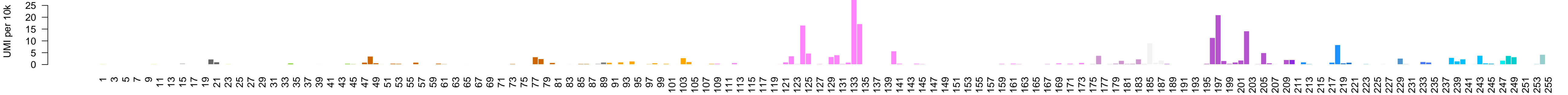CupinJmjC.HG1.11:KDM8
Hhon_g08792.t1
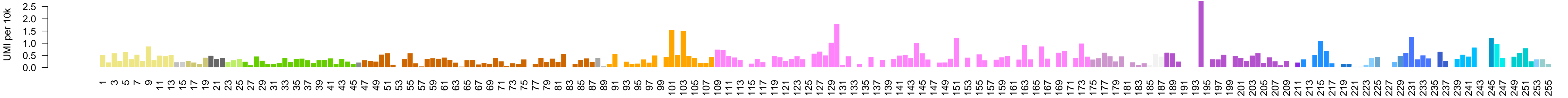
CupinJmjC.HG1.23:KDM2A/KDM2B
Hhon_g03944.t1

CupinJmjC.HG1.24:KDM7A/PHF2/PHF8
Hhon_g06125.t1

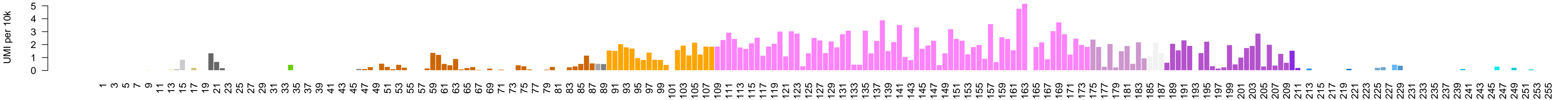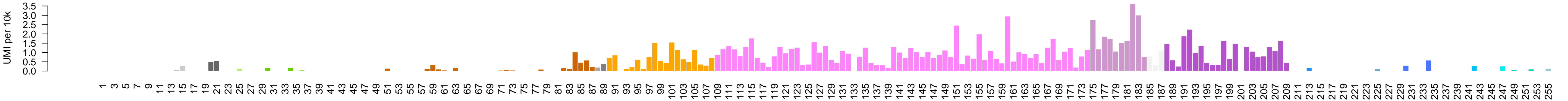CupinJmjC.HG1.25:JMJD6
Hhon_g07323.t1

CupinJmjC.HG1.35:JMJD8
Hhon_g09394.t1

CupinJmjC.HG1.39:like:JMJD7/JMJD7−PLA2G4B
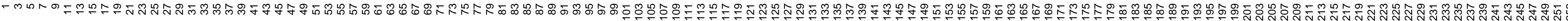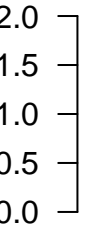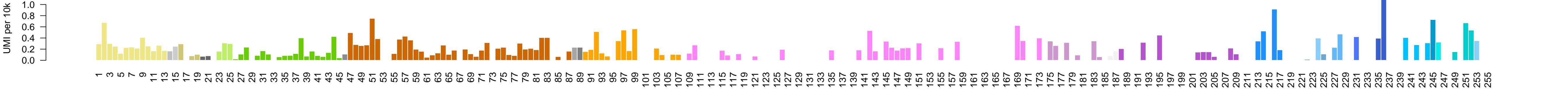**Hhon_g03153.t1**

CupinJmjC.HG1.39:like:JMJD7/JMJD7−PLA2G4B
Hhon_g03154.t1

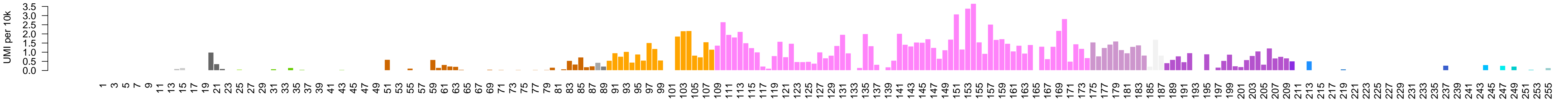**CupinJmjC.HG1.4:RIOX1**
Hhon_g00744.t1

CupinJmjC.HG1.4:RIOX1
Hhon_g00746.t1

CupinJmjC.HG1.44:like:JMJD7/JMJD7−PLA2G4B
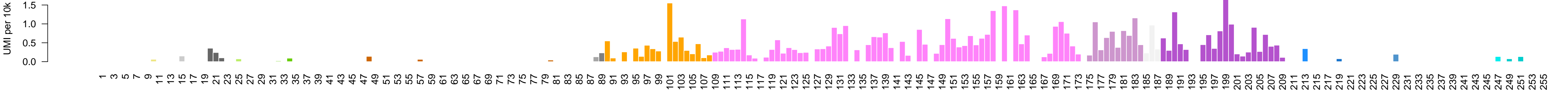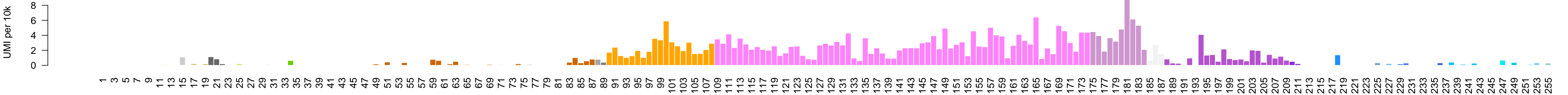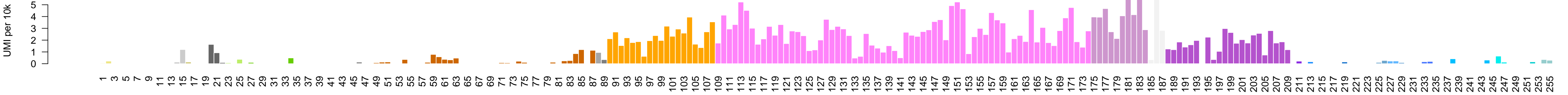**Hhon_g00661.t1**

CupinJmjC.HG1.46:like:JMJD7/JMJD7-PLA2G4B
Hhon_g01869.t1

CupinJmjC.HG1.46:like:JMJD7/JMJD7−PLA2G4B
Hhon_g01870.t1

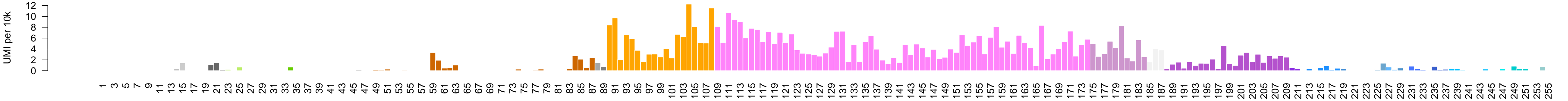**CupinJmjC.HG1.46:like:JMJD7/JMJD7−PLA2G4B**
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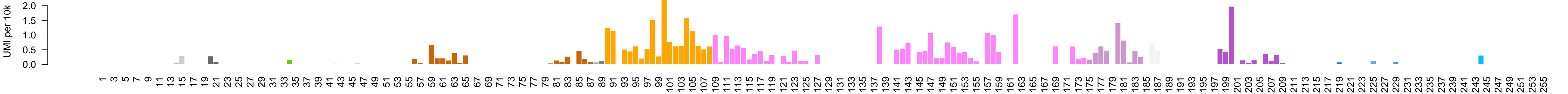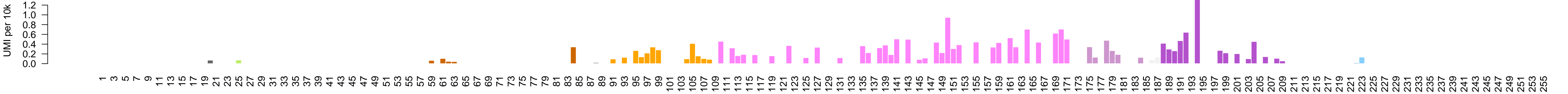CupinJmjC.HG1.46:like:JMJD7/JMJD7−PLA2G4B
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CupinJmjC.HG1.46:like:JMJD7/JMJD7−PLA2G4B
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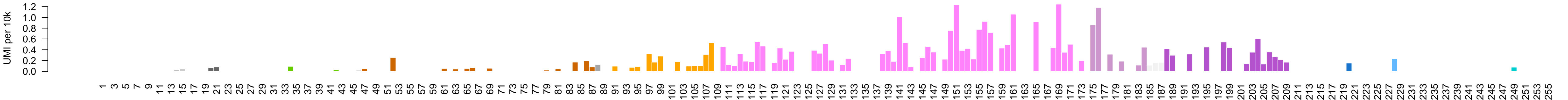Hhon_g09522.t1

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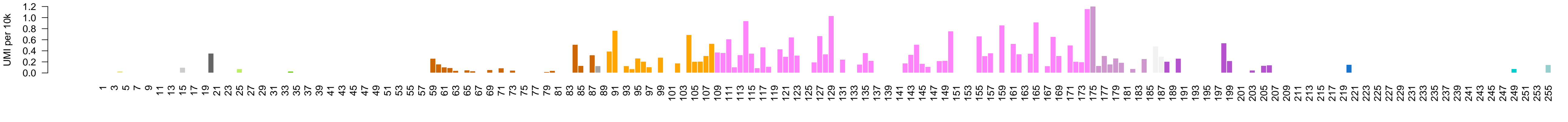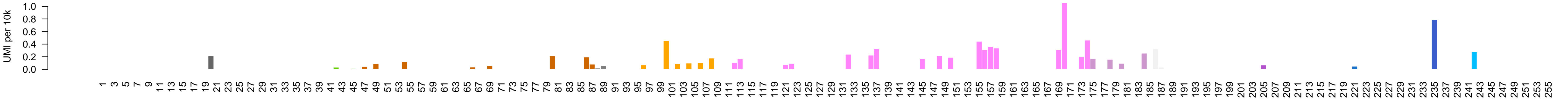Hhon_g09523.t1

CupinJmjC.HG1.46:like:JMJD7/JMJD7−PLA2G4B
Hhon_g09524.t1

CupinJmjC.HG1.47:like:JMJD7/JMJD7−PLA2G4B
Hhon_g06429.t1

CupinJmjC.HG1.47:like:JMJD7/JMJD7−PLA2G4B
Hhon_g06430.t1

CupinJmjC.HG1.47:like:JMJD7/JMJD7−PLA2G4B
Hhon_g06431.t1

CupinJmjC.HG1.47:like:JMJD7/JMJD7−PLA2G4B
Hhon_g06432.t1

CupinJmjC.HG1.6:JMJD1C/KDM3A/KDM3B
Hhon_g09168.t1

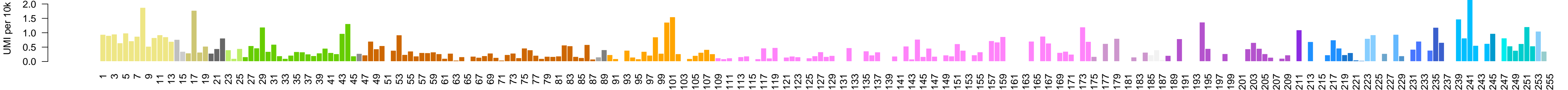CupinJmjC.HG1.7:like:KDM2A/KDM2B/KDM7A/PHF2/PHF8
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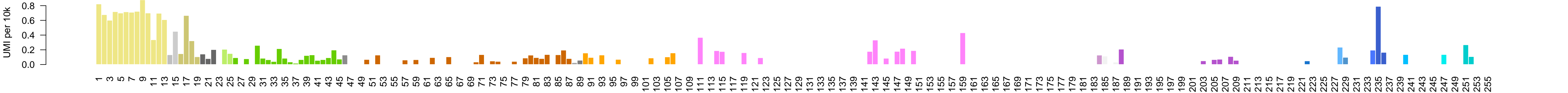
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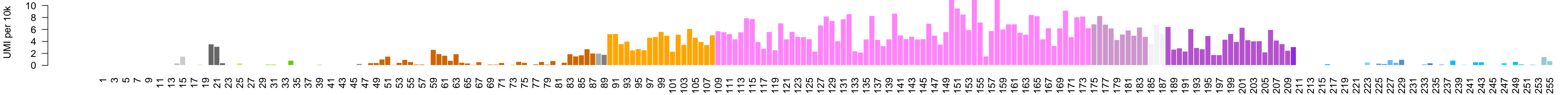
CupinJmjC.HG1.9:like:TYW5
Hhon_g08574.t1

CupinJmjC.HG2.0:JARID2
Hhon_g08230.t1

CupinJmjC.HG2.2:AL451062.2/KDM4A/KDM4B/KDM4C/KDM4D/KDM4E/KDM4F
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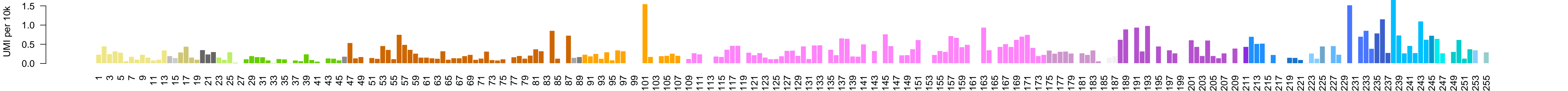
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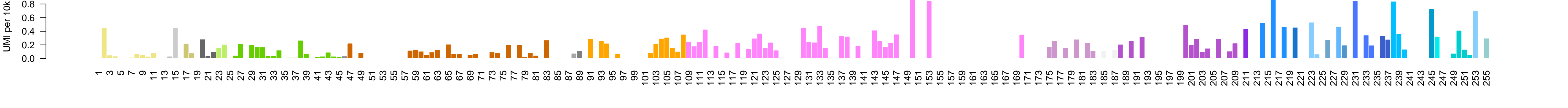
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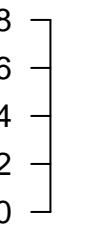
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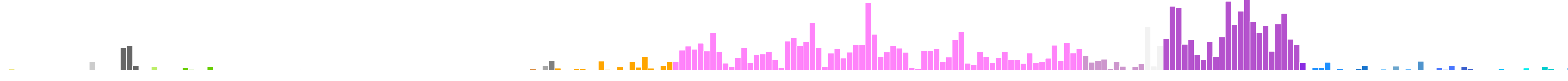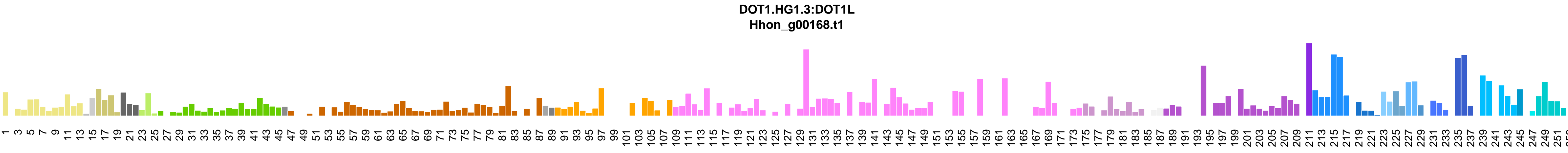
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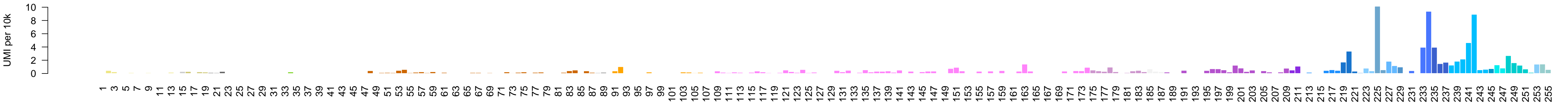Hhon_g01658.t1
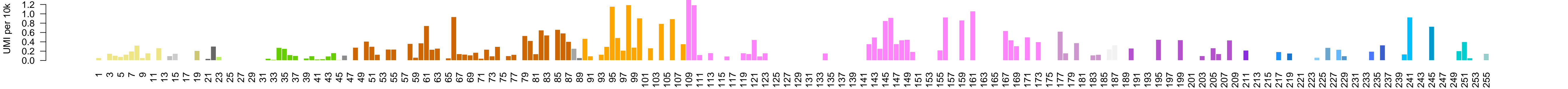
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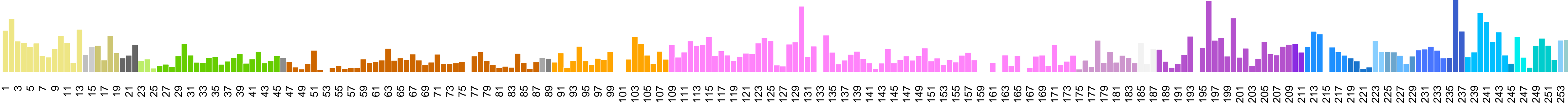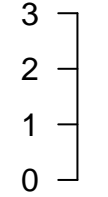
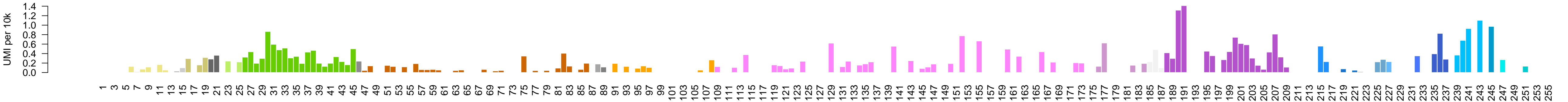Hist_deacetyl.HG1.3:HDAC6/HDAC10
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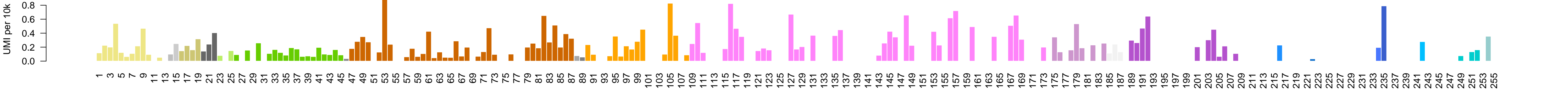
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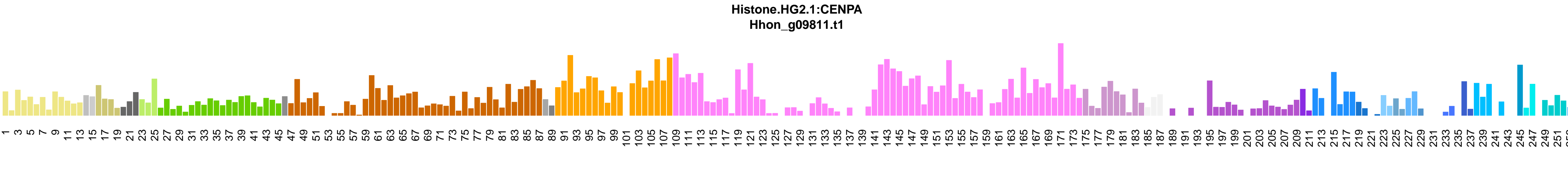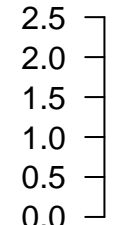**Hist_deacetyl.HG1.6:like:HDAC1/HDAC2/HDAC3**
Hhon_g06894.t1

Hist_deacetyl.HG1.7:HDAC1/HDAC2
Hhon_g00226.t1
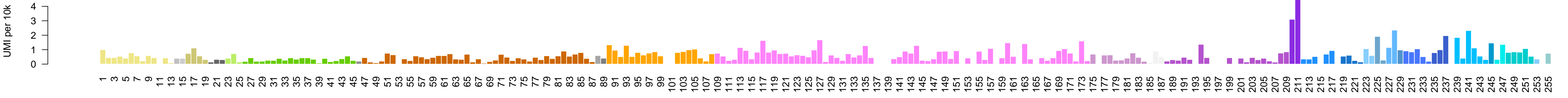
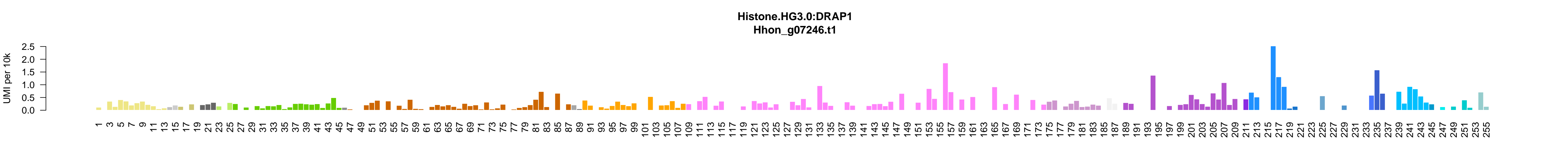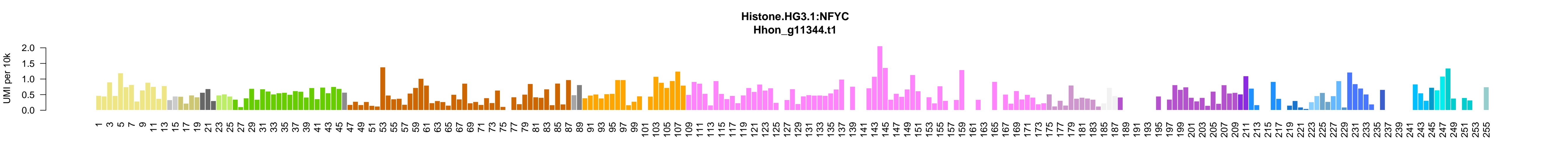**Hist_deacetyl.HG1.8:HDAC3**
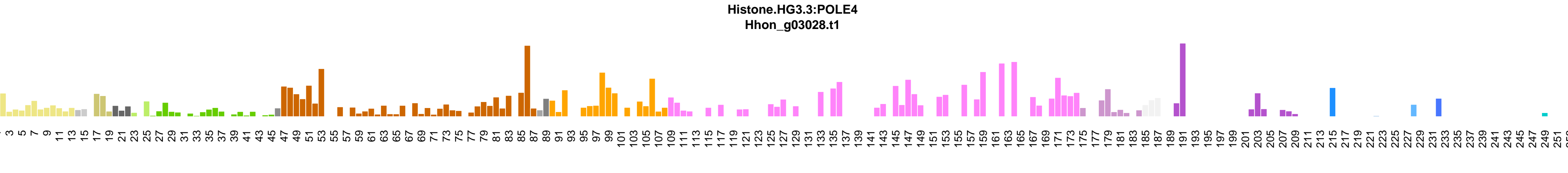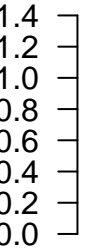**Hhon_g03531.t1**

Histone.HG2.1:CENPA
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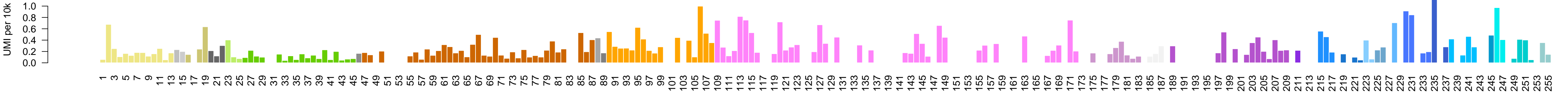
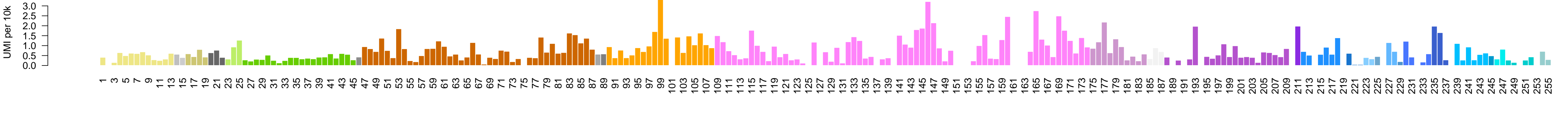Histone.HG2.13:like:H3-3A/H3-3B/H3-5/H3Y1/H3Y2
Hhon_g06924.t1

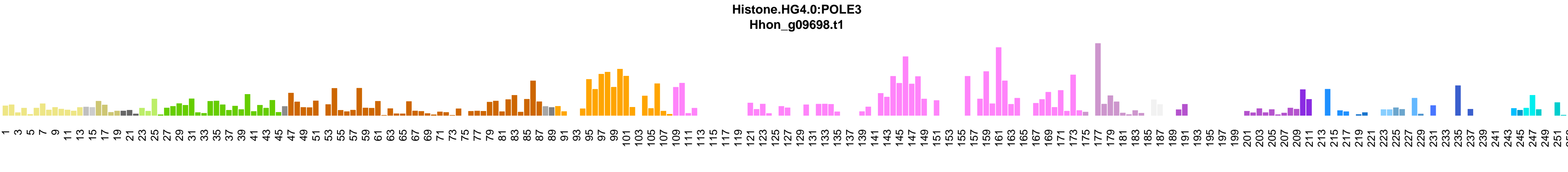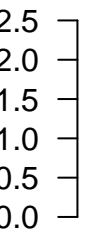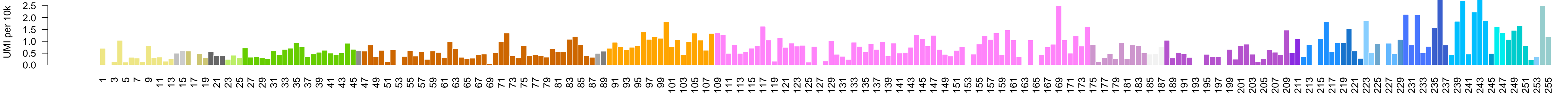Histone.HG3.0:DRAP1
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Histone.HG3.1:NFYC
Hhon_g11344.t1

Histone.HG3.3:POLE4

Hhon_g03028.t1

Histone.HG3.4:CHRAC1
Hhon_g07697.t1

Histone.HG4.0:POLE3
Hhon_g09698.t1
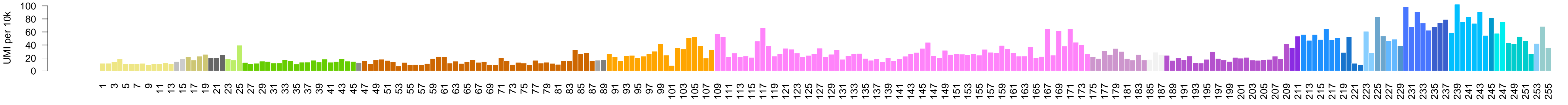
Histone.HG4.1:NFYB
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Histone.HG4.2:DR1
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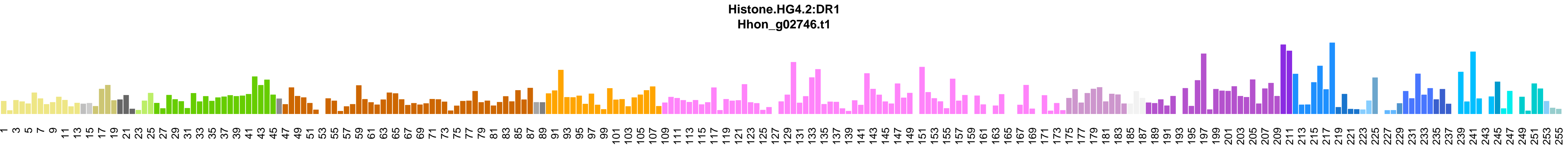
Histone.HG5.1:CENPS/CENPS−CORT
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Histone.HG8.0:NA
Hhon_g01462.t1

Histone.Unclassified
Hhon_g00184.t1

Histone.Unclassified
Hhon_g01009.t1

Histone.Unclassified
Hhon_g02201.t1
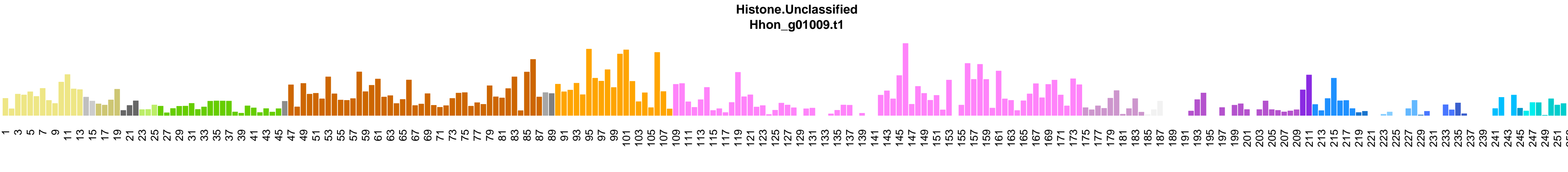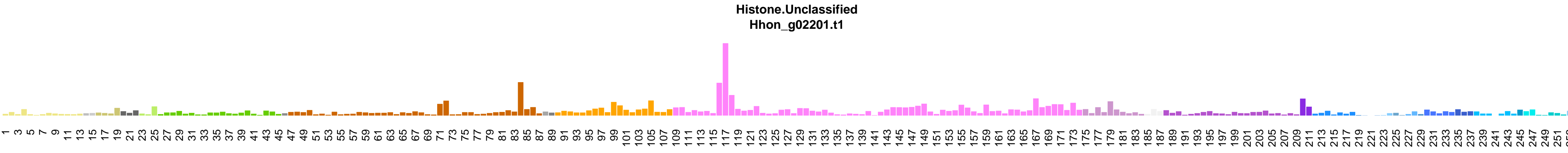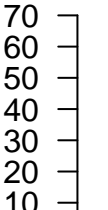
Histone.Unclassified
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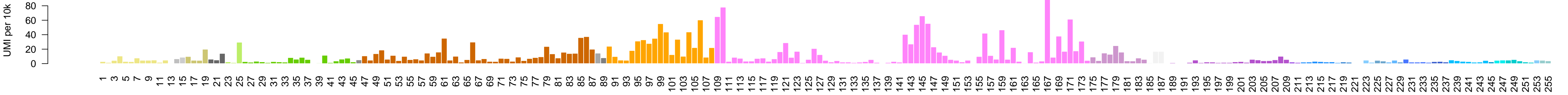
Histone.Unclassified
Hhon_g04967.t1

Histone.Unclassified
Hhon_g08198.t1

ING.HG1.1:ING3
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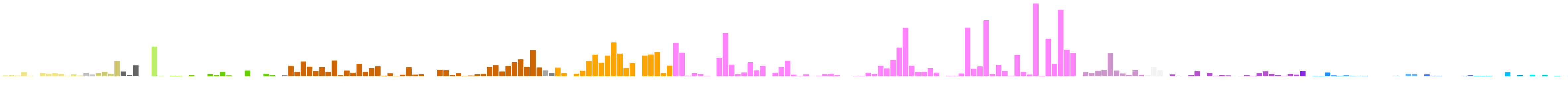
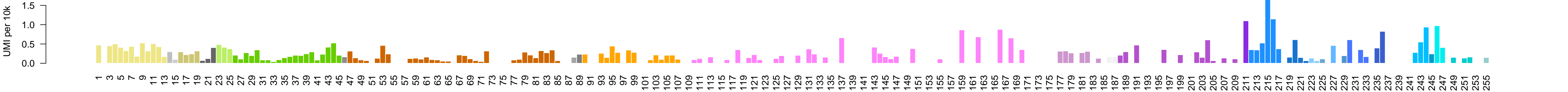**ING.HG1.1:ING3**
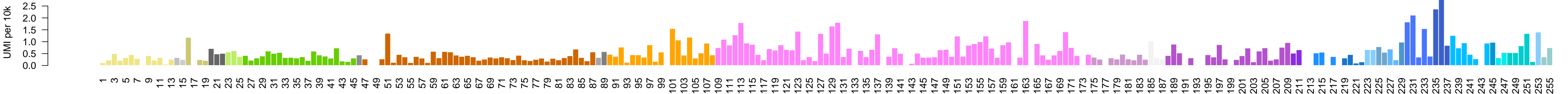**Hhon_g08741.t1**
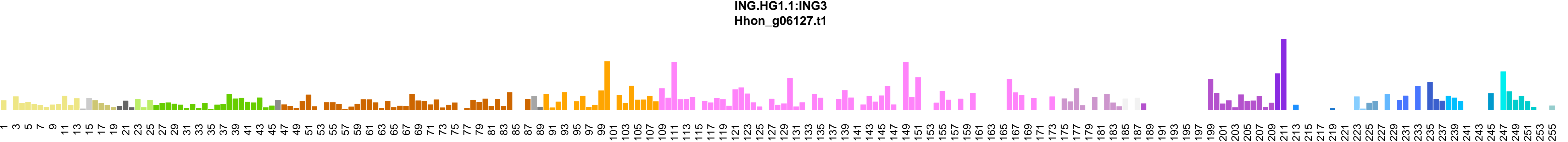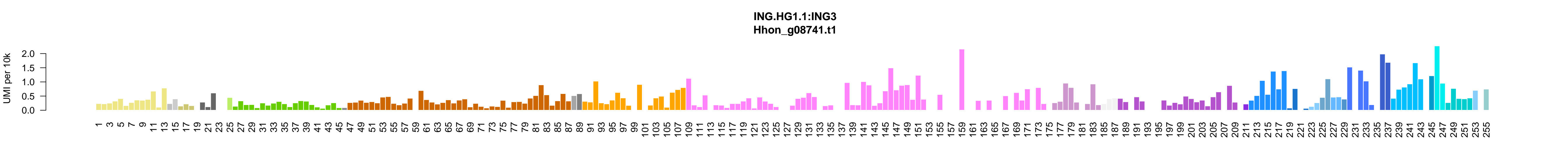
ING.HG1.3:ING1/ING2
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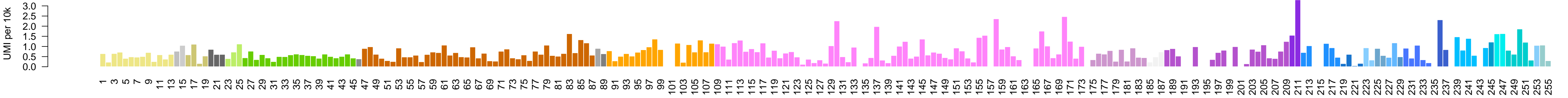
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Hhon_g00175.t1
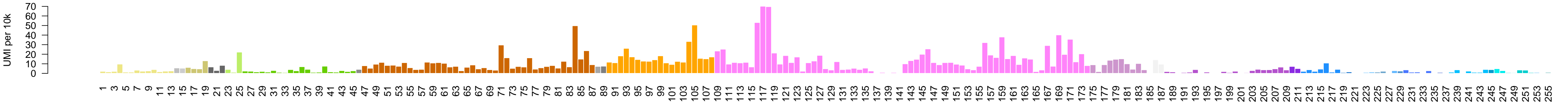
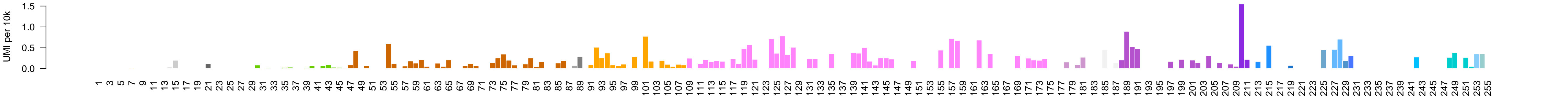**LinkerHistone.HG1.1:like:H1−0/H1−1/H1−2/H1−3/H1−4/H1−5/H1−6/H1−8/H1−10/HP1BP3/SHPRH;MOZ_SAS.HG1.6:KAT6A/KAT6B**

Hhon_g05246.t1

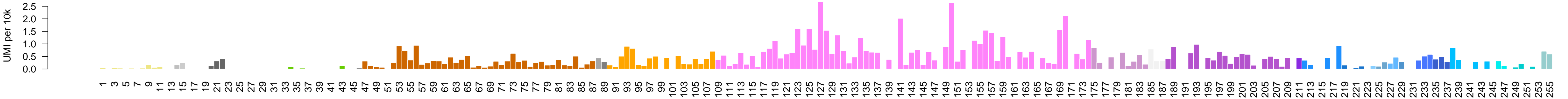**LinkerHistone.HG1.12:like:H1-0/H1-10/SHPRH**
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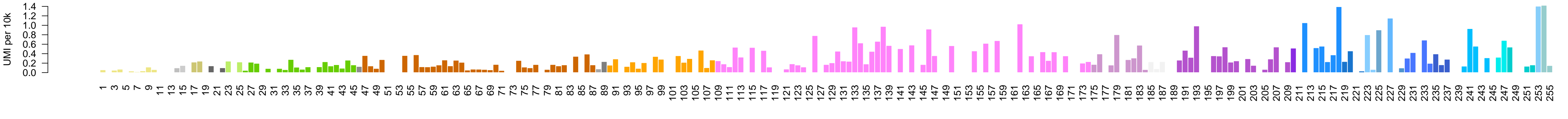
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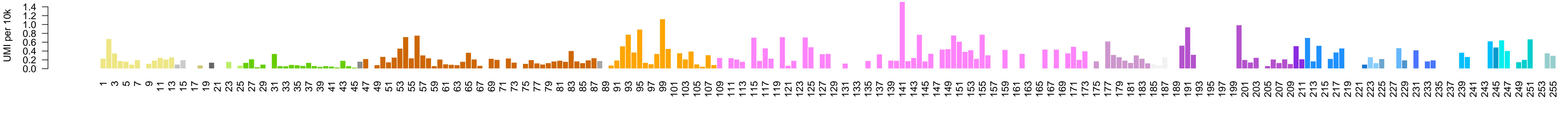MBT.HG1.2:like:AL031681.2/L3MBTL1/L3MBTL2/L3MBTL3/L3MBTL4/MBTD1/SCMH1/SCML2/SFMBT1/SFMBT2
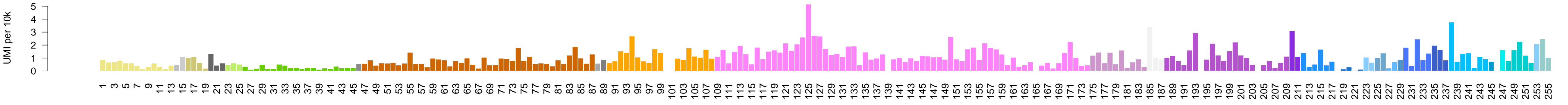Hhon_g07419.t1

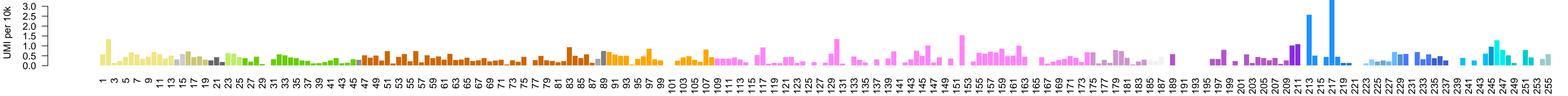MBT.HG1.3:AL031681.2/L3MBTL1/L3MBTL3/L3MBTL4
Hhon_g00122.t1

MBT.HG1.4:SCMH1/SCML2
Hhon_g06420.t1

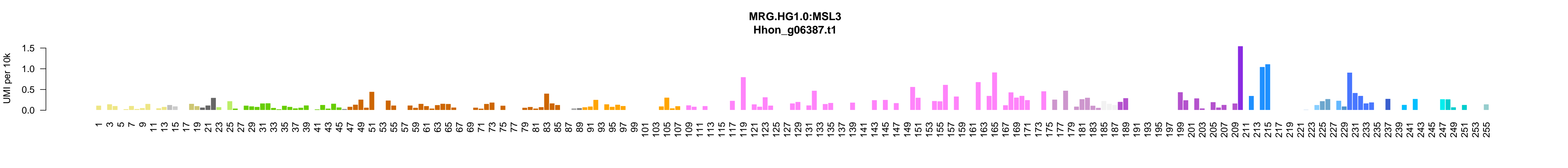MOZ_SAS.HG1.1:like:KAT5/KAT6A/KAT6B/KAT7/KAT8
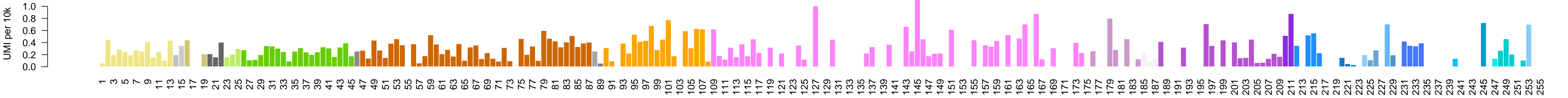Hhon_g08105.t1

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MOZ_SAS.HG1.7:KAT7
Hhon_g11664.t1

MRG.HG1.0:MSL3
Hhon_g06387.t1
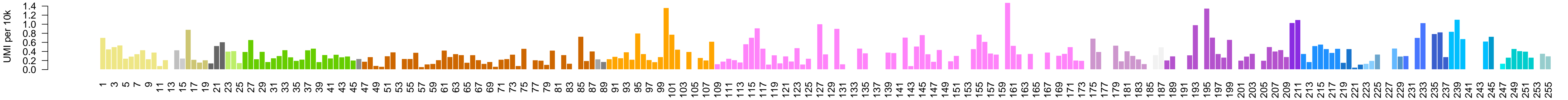
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NAP.HG1.0:SET/SETSIP/TSPY1/TSPY2/TSPY3/TSPY4/TSPY8/TSPY9P/TSPY10/TSPYL1/TSPYL2/TSPYL4/TSPYL5/TSPYL6

Hhon_g09411.t1

PHD.Unclassified
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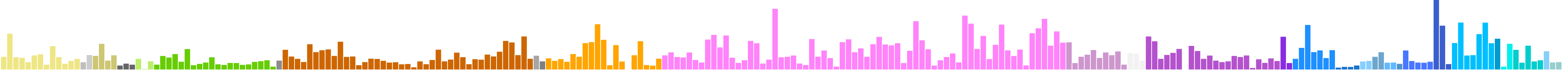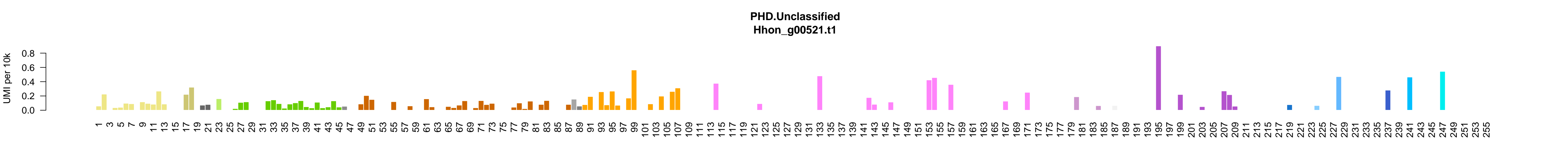
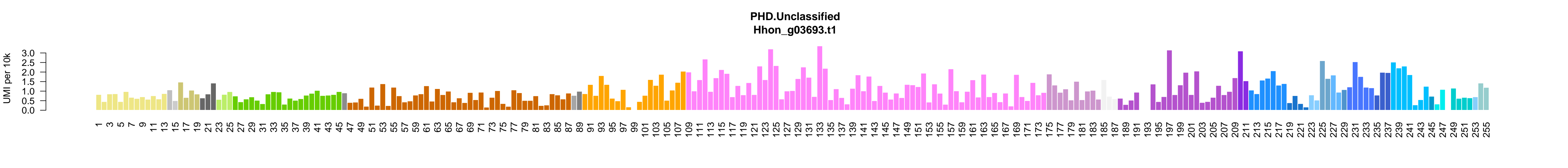**PHD.Unclassified**
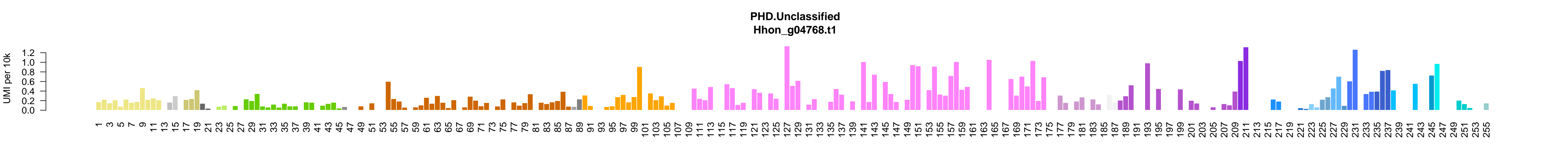Hhon_g02669.t1
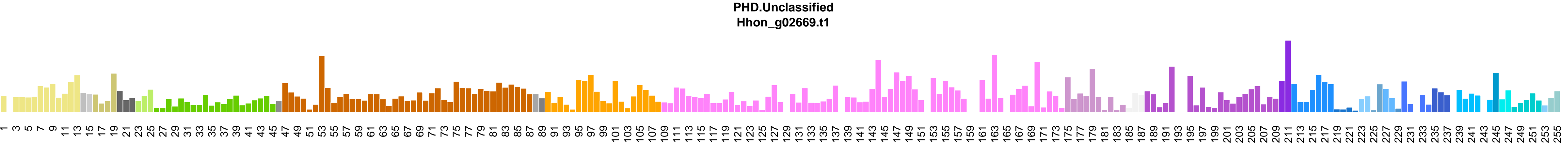
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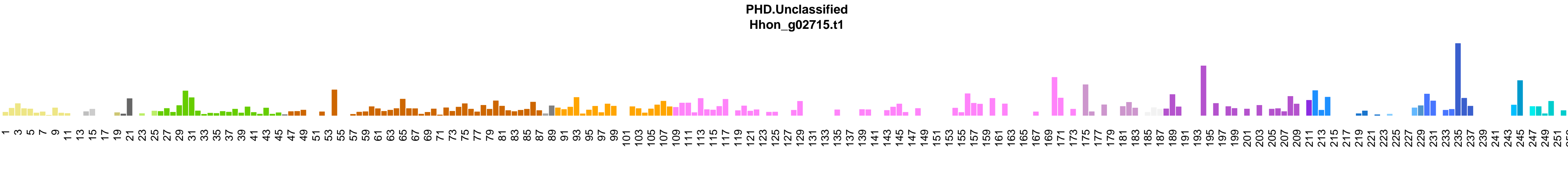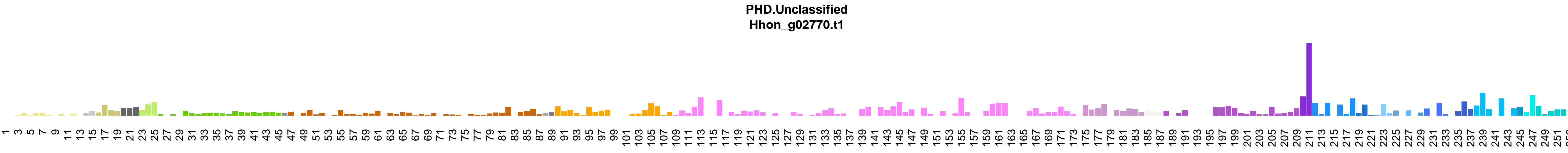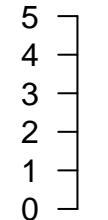
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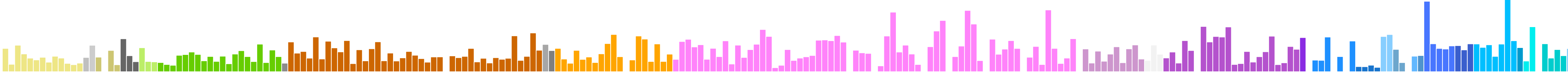Hhon_g02770.t1

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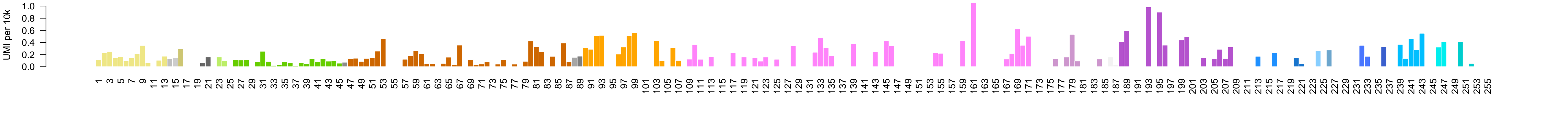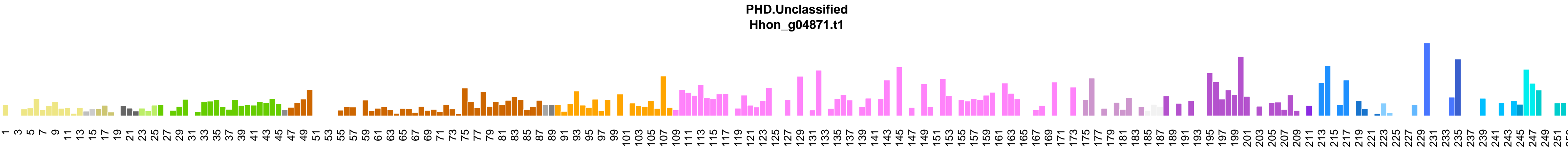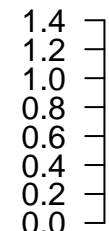
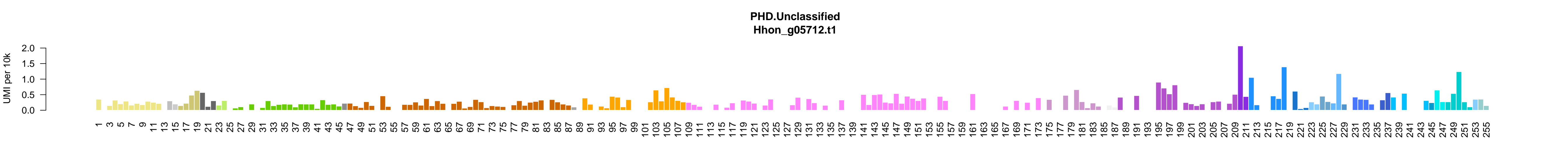PHD.Unclassified
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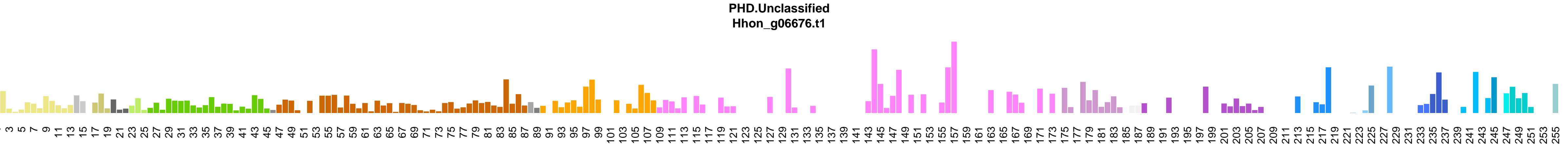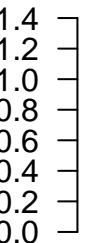
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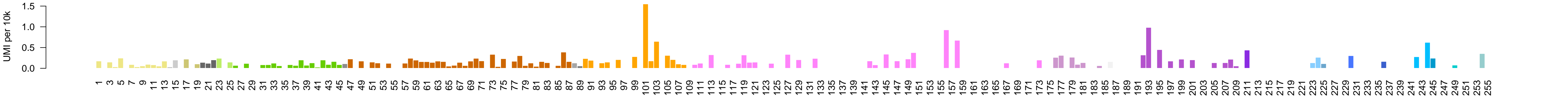
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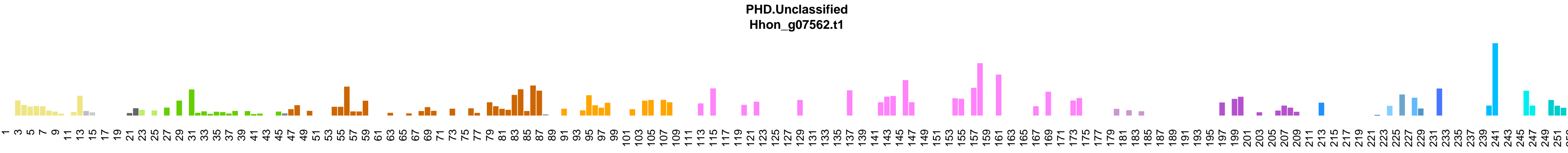
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PHD.Unclassified
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PHD.Unclassified
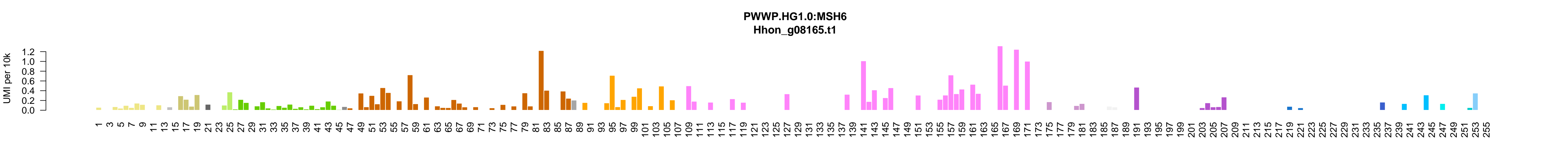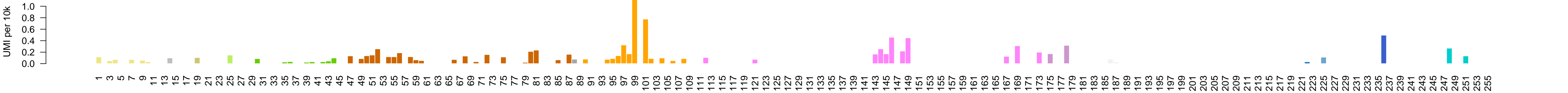**Hhon_g10035.t1**

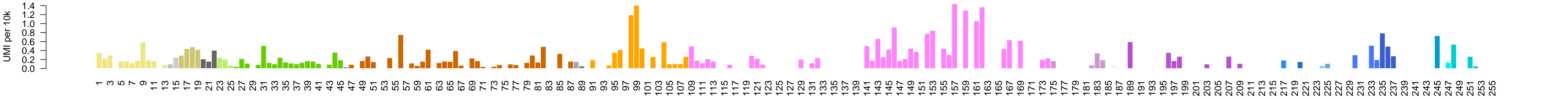PHD.Unclassified
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PWWP.HG1.0:MSH6
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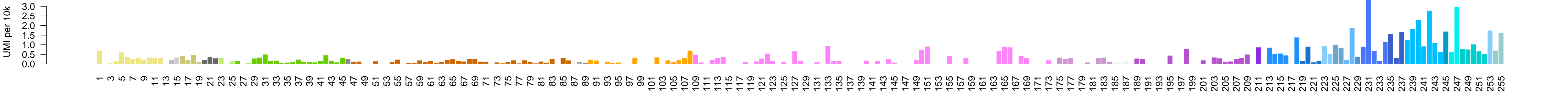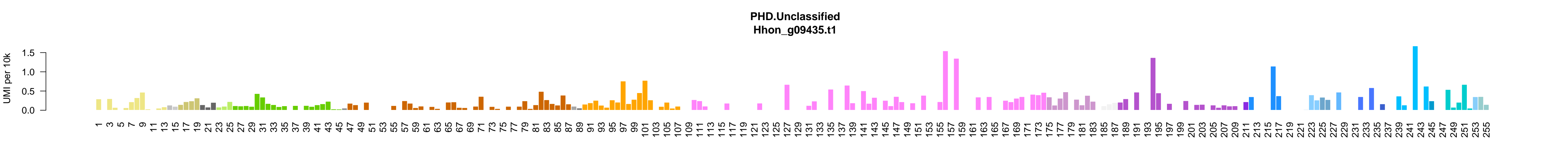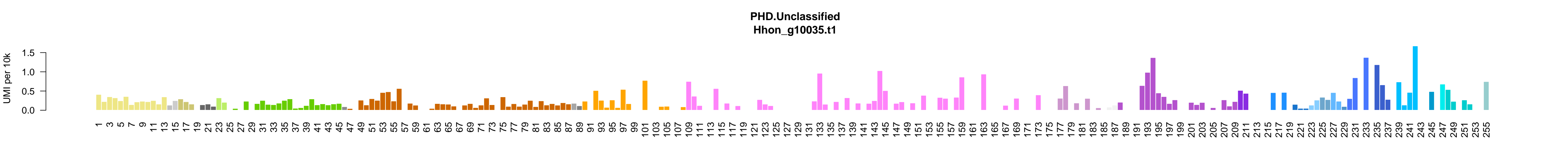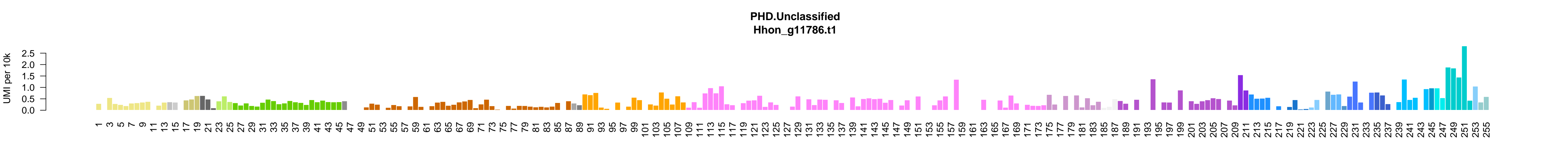
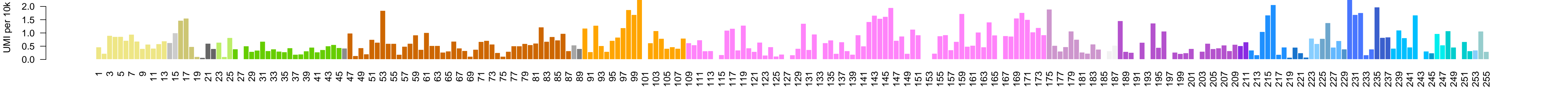PWWP.HG1.1:NSD1/NSD2/NSD3;SET.HG1.35:NSD1/NSD2/NSD3
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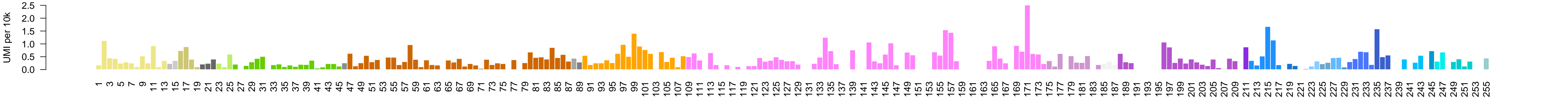# PWWP.HG1.15:like:GLYR1/HDGFL1/HDGFL2/HDGFL3/PSIP1
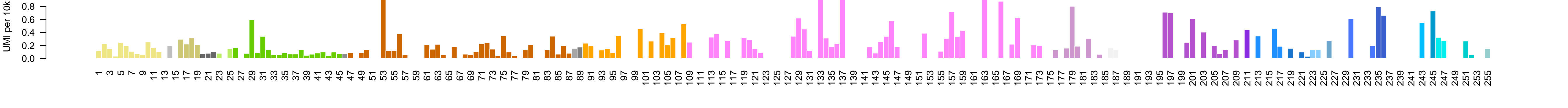## Hhon_g08475.t1
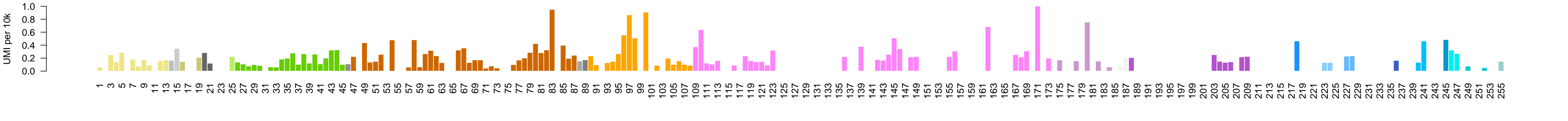
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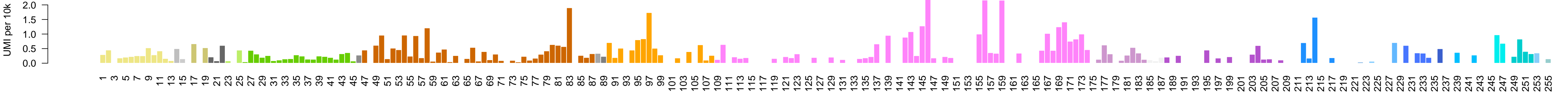Hhon_g08117.t1

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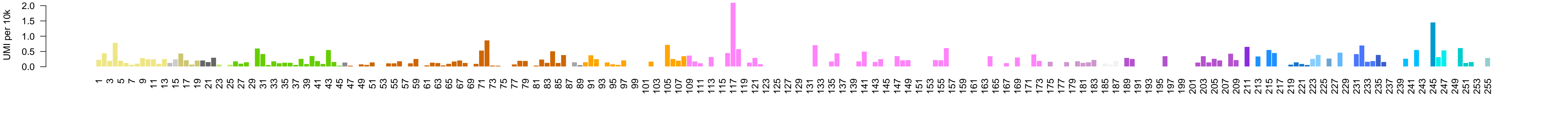Hhon_g05908.t1

PWWP.HG1.6:PWWP2A/PWWP2B
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Rtt106.HG1.0:SSRP1;SSrecog.HG1.0:SSRP1
Hhon_g02698.t1

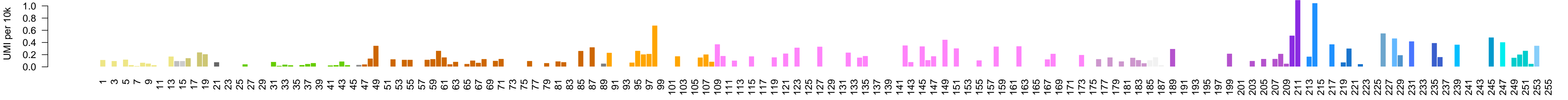Rtt106.HG2.0:SUPT16H;SPT16.HG1.0:SUPT16H
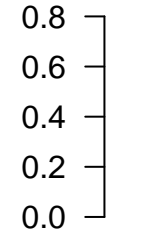Hhon_g04467.t1

SET.HG1.0:KMT5B/KMT5C
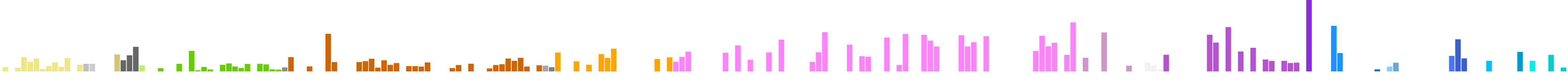**Hhon_g09722.t1**

SET.HG1.21:EZH1/EZH2
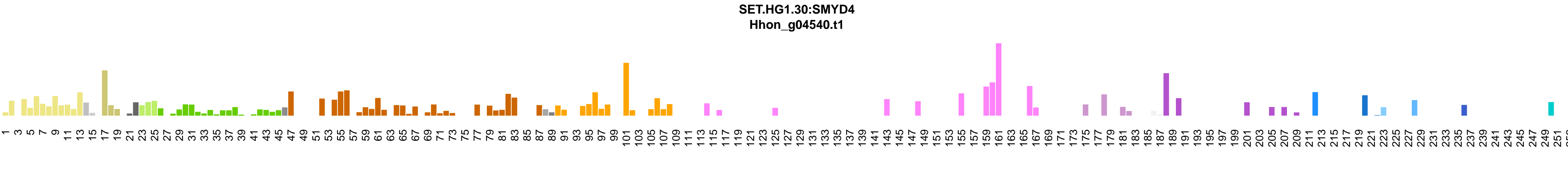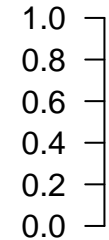Hhon_g04096.t1

SET.HG1.25:SETD1A/SETD1B
Hhon_g08951.t1

SET.HG1.30:SMYD4
Hhon_g04540.t1
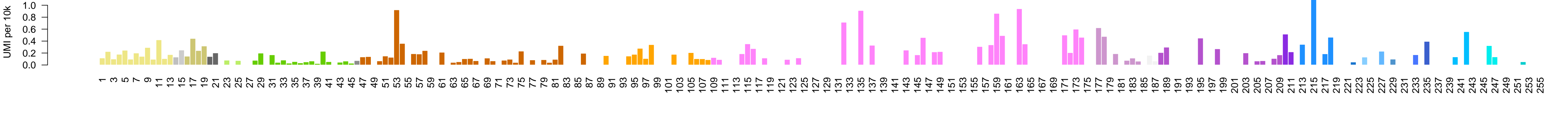
SET.HG1.32:KMT2C/KMT2D
Hhon_g08884.t1
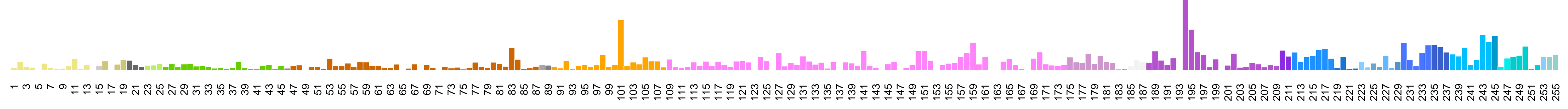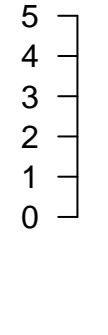
SET.HG1.33:KMT2A/KMT2B
Hhon_g06240.t1

SET.HG1.34:SETD2
Hhon_g00607.t1
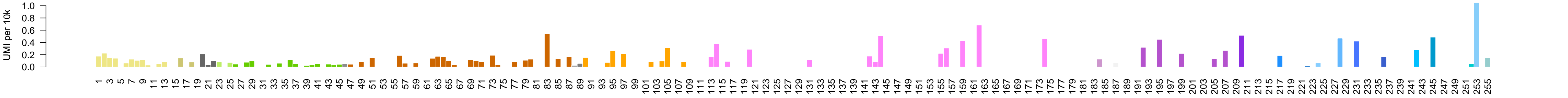
SET.HG1.37:SETMAR
Hhon_g10038.t1
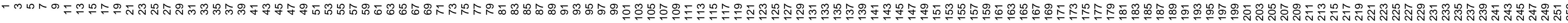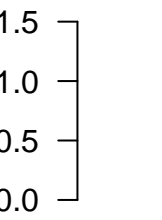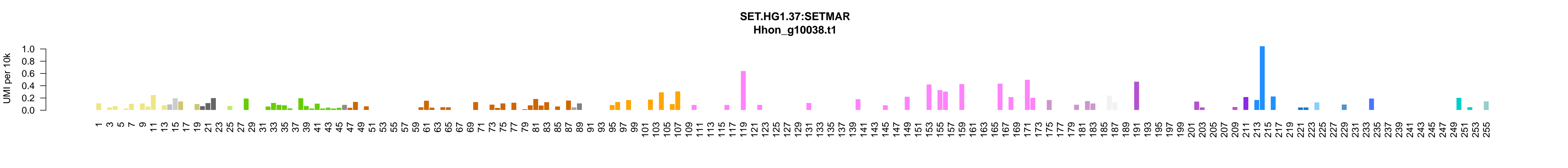
SET.HG1.44:EHMT1/EHMT2
Hhon_g10824.t1

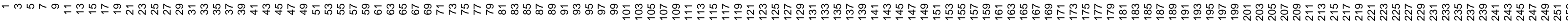**SET.HG1.45:SETDB1/SETDB2**
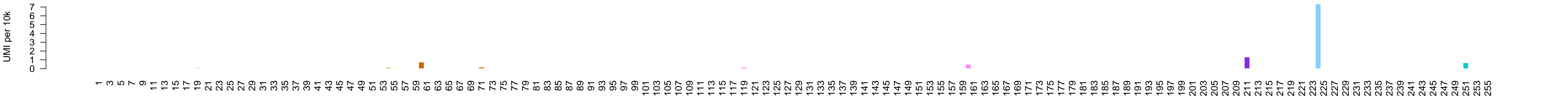**Hhon_g05556.t1**
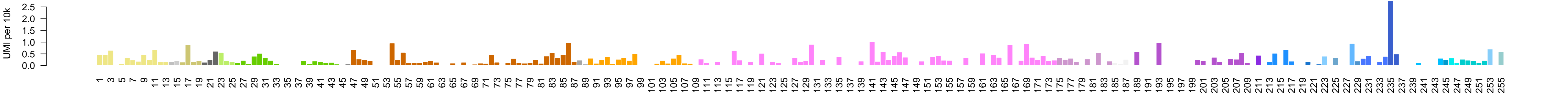
SET.HG1.48:like:SMYD5
Hhon_g07048.t1

SET.HG1.49:KMT5A
Hhon_g02666.t1
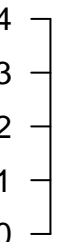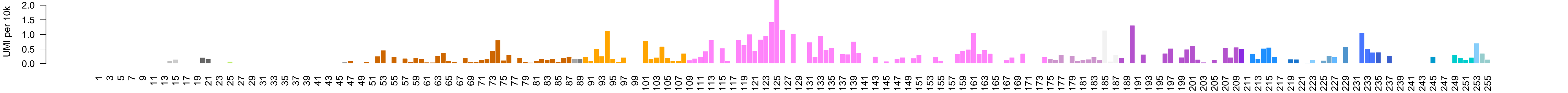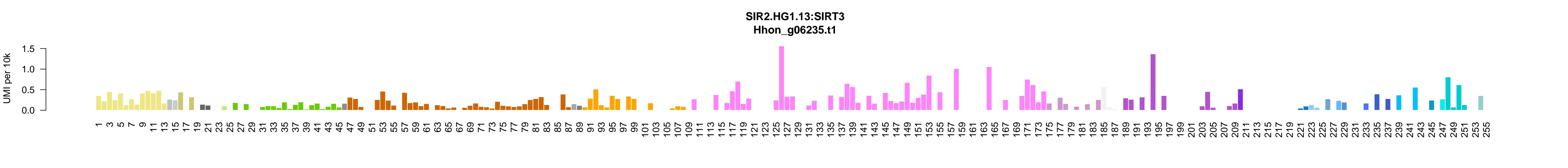
SET.HG2.2:PRDM1/PRDM6/PRDM14
Hhon_g05326.t1

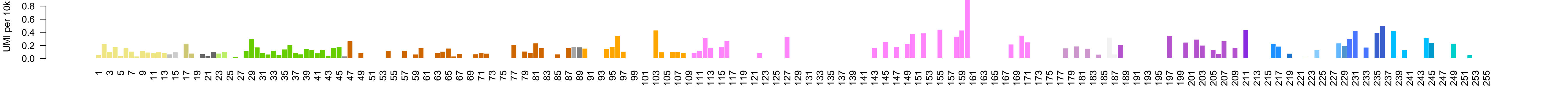SIR2.HG1.12:like:SIRT3
Hhon_g06234.t1

SIR2.HG1.13:SIRT3
Hhon_g06235.t1

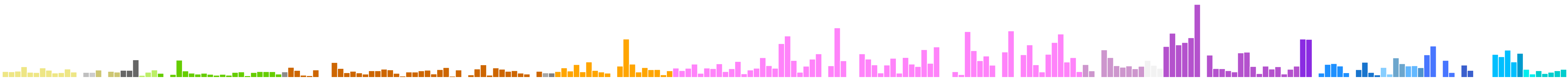**SIR2.HG1.16:SIRT2**
Hhon_g04640.t1

SIR2.HG1.2:SIRT7
Hhon_g01639.t1
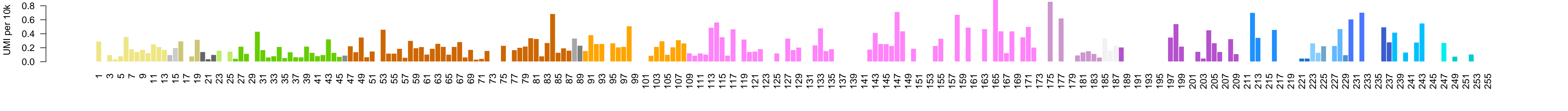
SIR2.HG1.3:SIRT4
Hhon_g02720.t1

SIR2.HG1.6:SIRT5
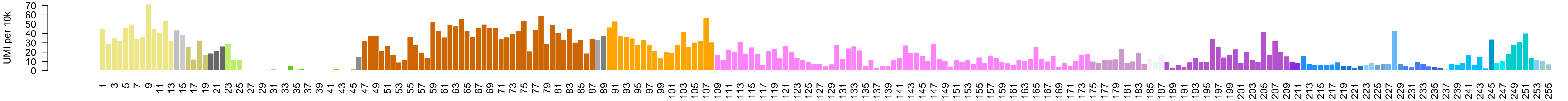**Hhon_g02510.t1**
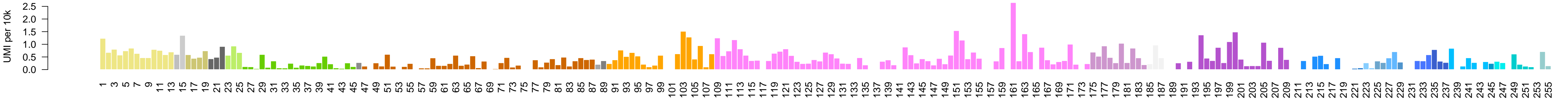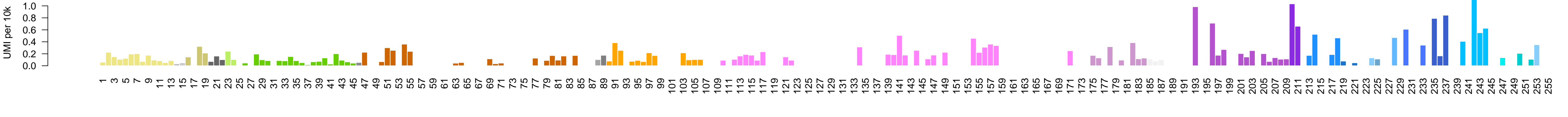
SIR2.HG1.9:SIRT6
Hhon_g02779.t1
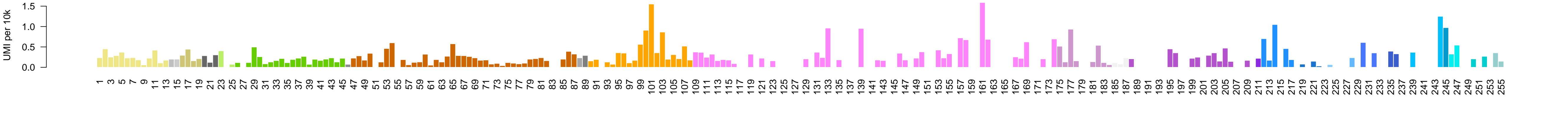
SNF2_N.HG1.0:ERCC6L
Hhon_g00800.t1

SNF2_N.HG1.1:ERCC6
Hhon_g01503.t1
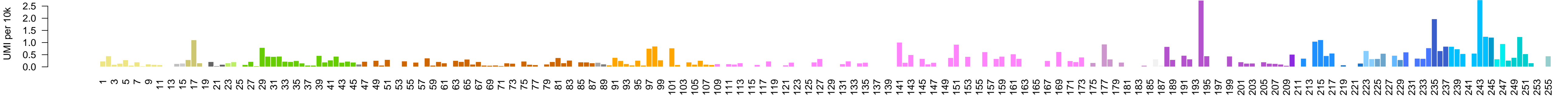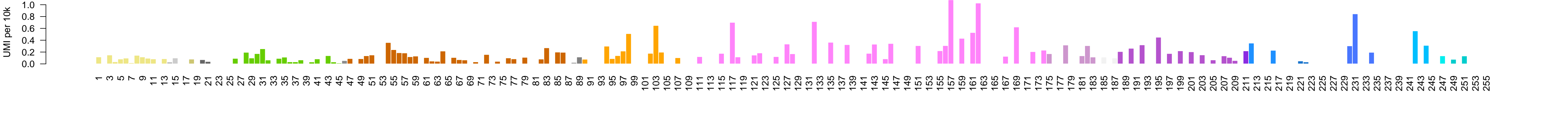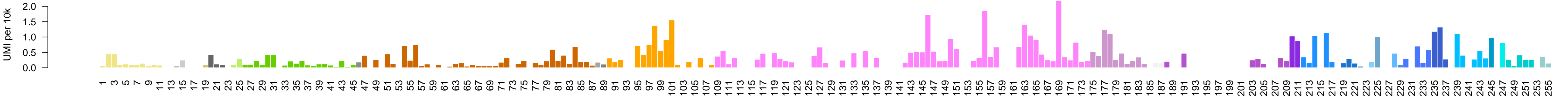
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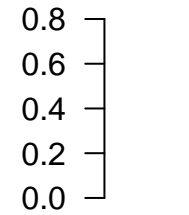
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Hhon_g02160.t1

SNF2_N.HG1.12:ATRX
Hhon_g08850.t1

SNF2_N.HG1.15:INO80
Hhon_g07285.t1

SNF2_N.HG1.16:AC106886.5/EP400/SRCAP
Hhon_g00751.t1

SNF2_N.HG1.2:BTAF1
Hhon_g01521.t1
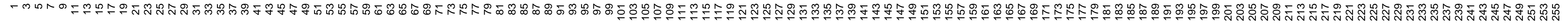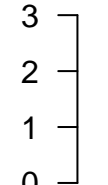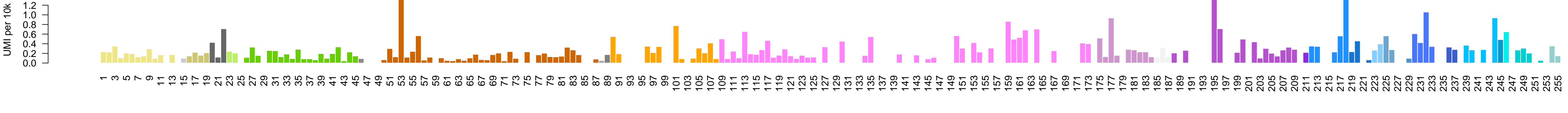
SNF2_N.HG1.23:like:SMARCA5
Hhon_g05458.t1
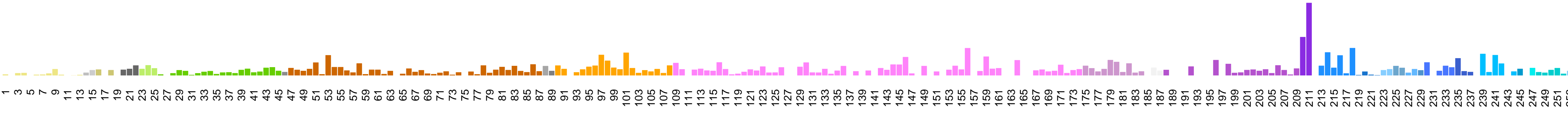
SNF2_N.HG1.25:CHD1L
Hhon_g02717.t1

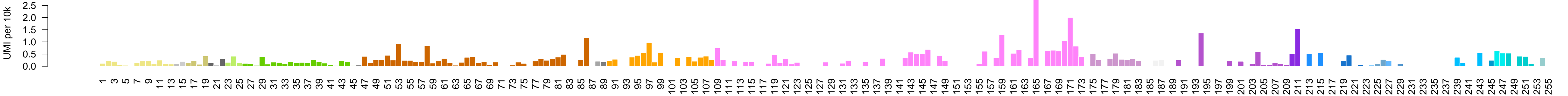**SNF2_N.HG1.5:ERCC6L2**
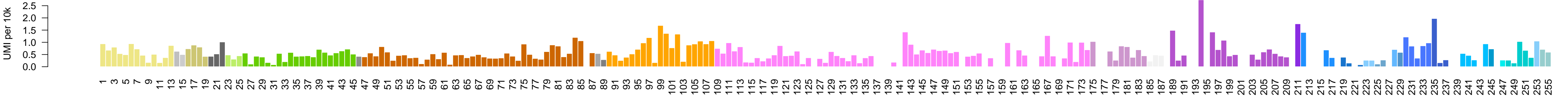**Hhon_g00255.t1**
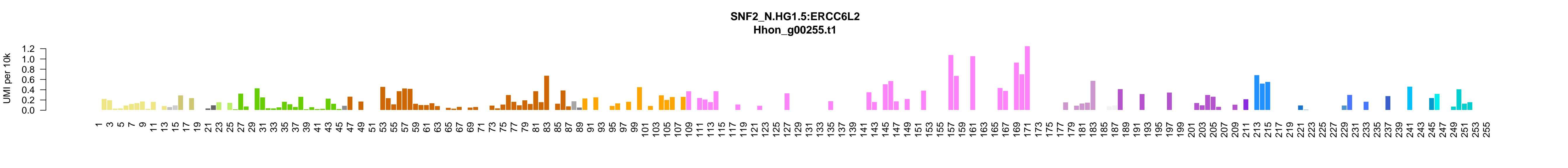
SWIRM.HG1.1:KDM1A
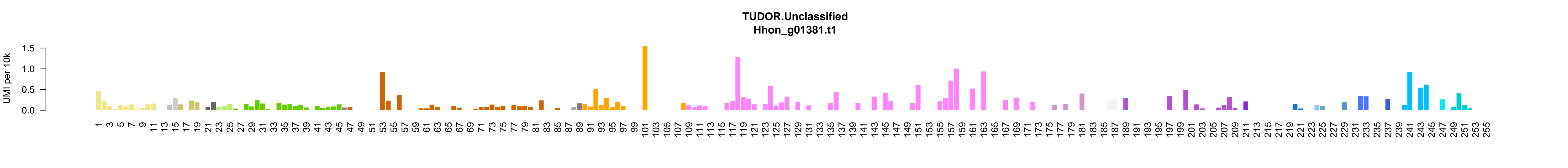**Hhon_g10903.t1**
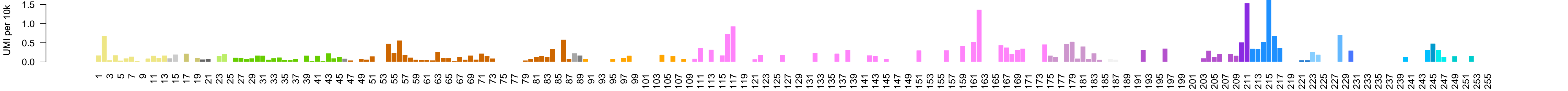
SWIRM.HG1.2:MYSM1

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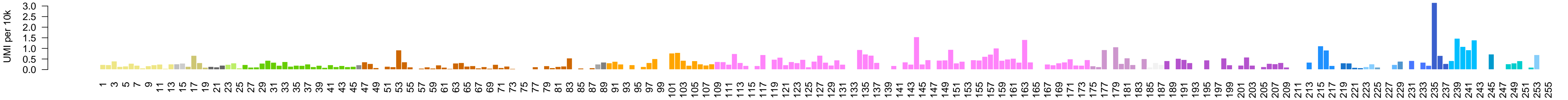
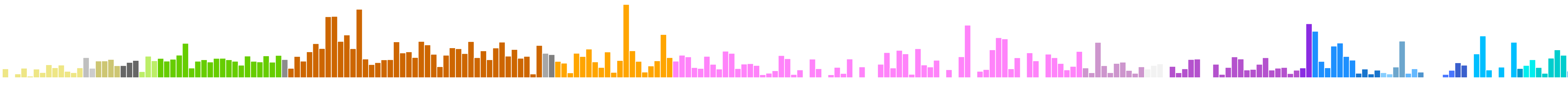SWIRM.HG1.3:SMARCC1/SMARCC2
Hhon_g07010.t1

TUDOR.Unclassified
Hhon_g01073.t1

TUDOR.Unclassified
Hhon_g01381.t1

TUDOR.Unclassified
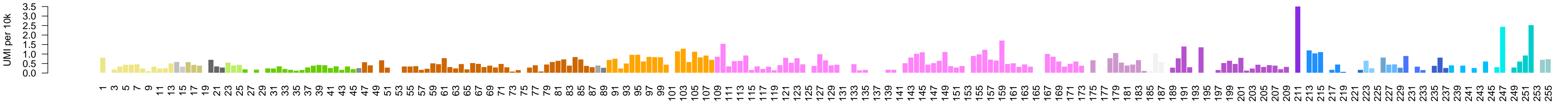Hhon_g02353.t1
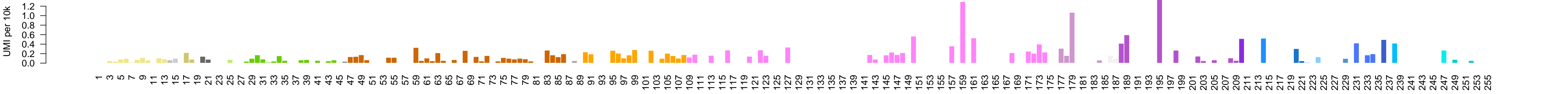
TUDOR.Unclassified
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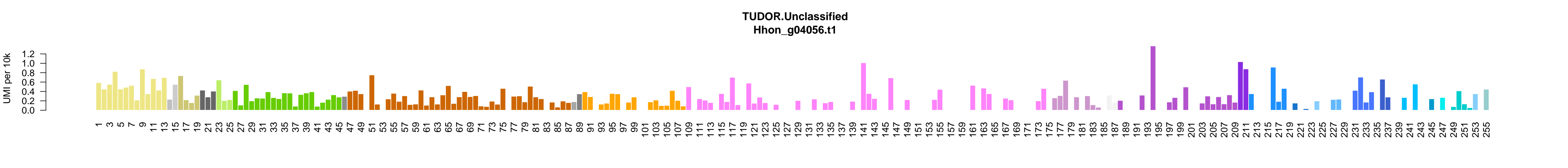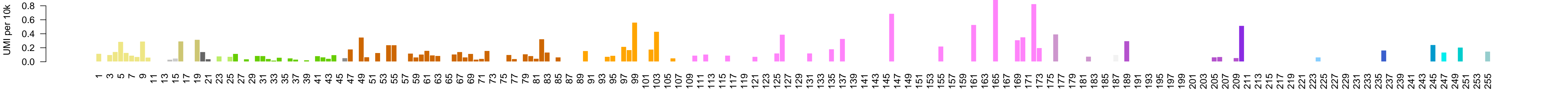
YEATS.HG1.0:MLLT1/MLLT3
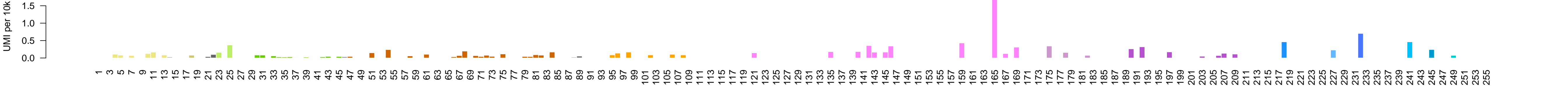Hhon_g05906.t1
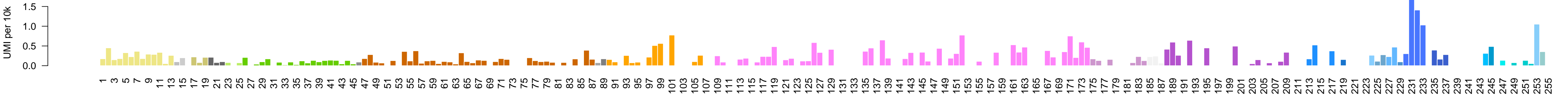
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YEATS.HG1.2:YEATS2
Hhon_g04683.t1

zf−CCHH.HG1.10:APLF
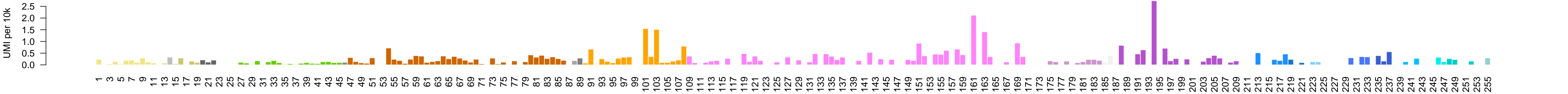Hhon_g07278.t1

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Hhon_g03071.t1

zf–CCHH.HG1.8:like:APLF
Hhon_g06900.t1

zf−CCHH.HG2.0:CHFR
Hhon_g02613.t1