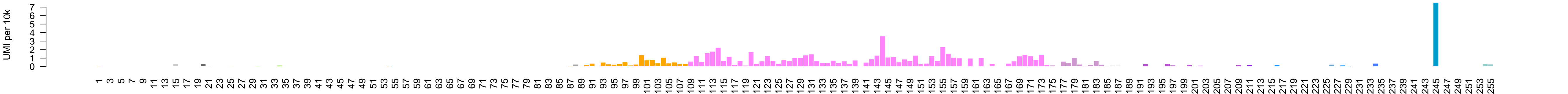
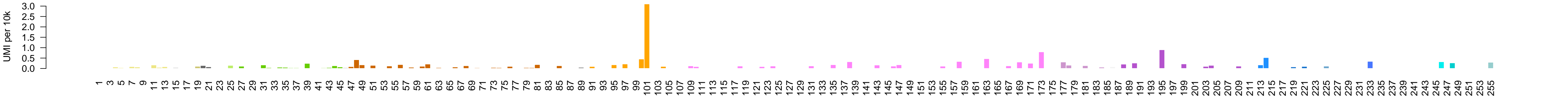


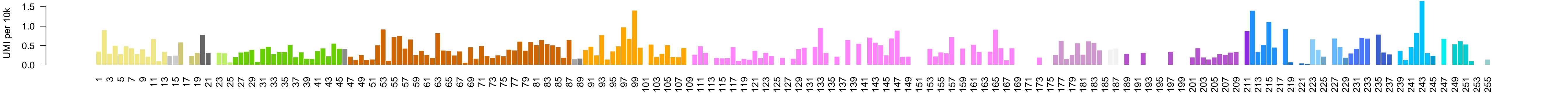
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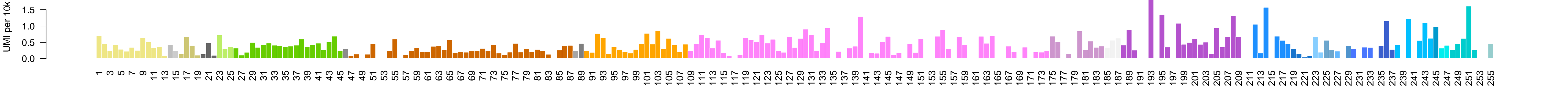
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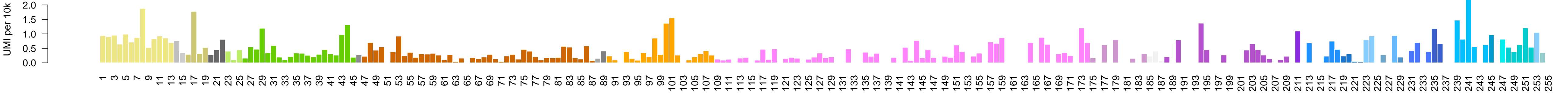
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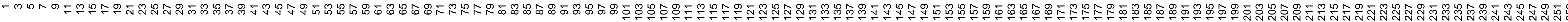
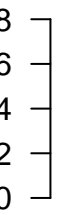


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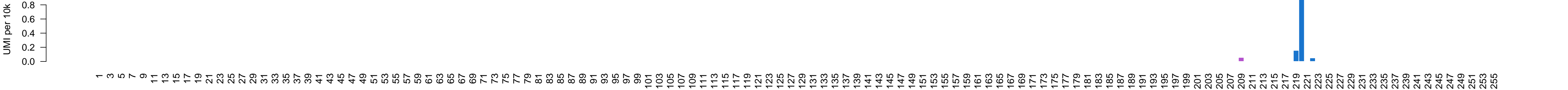


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UMI per 10k



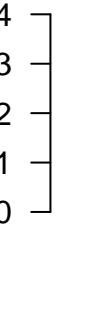
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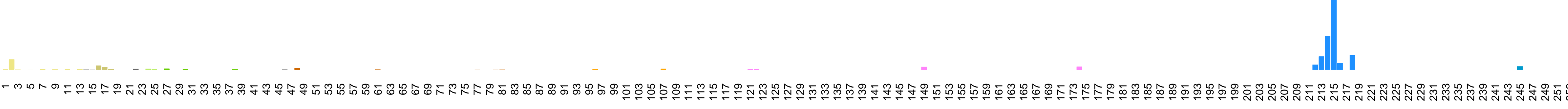
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Hhon\_g08089.t1

UMI per 10k

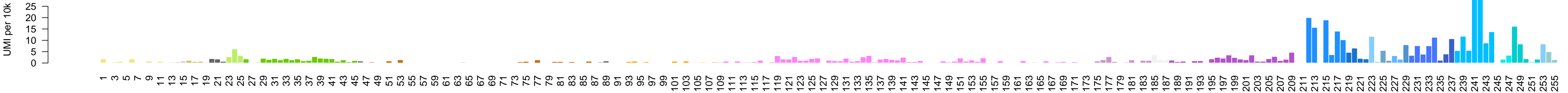


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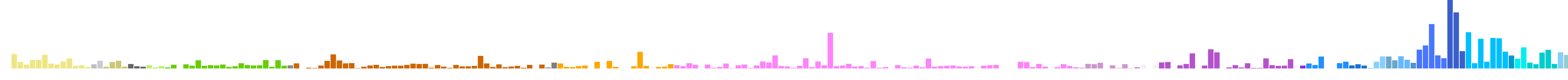
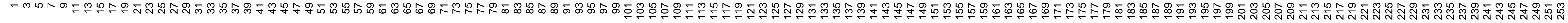
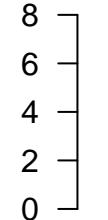


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UMI per 10k



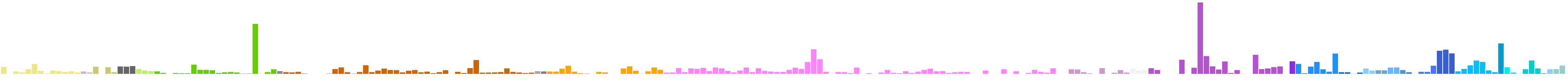
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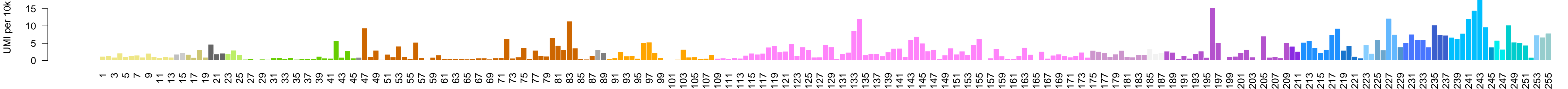
UMI per 10k

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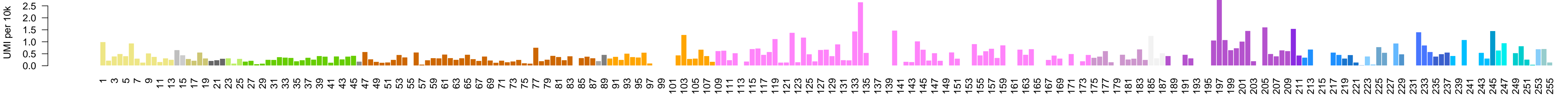
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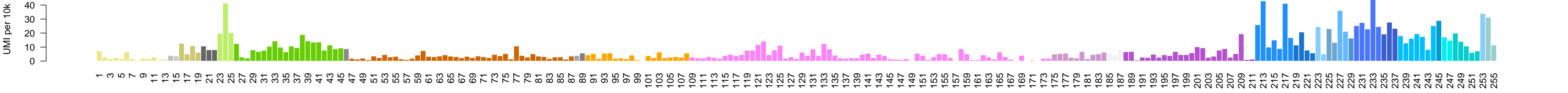
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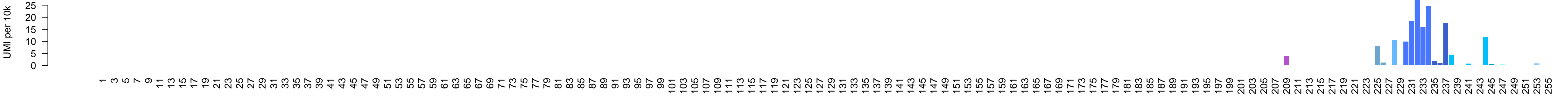
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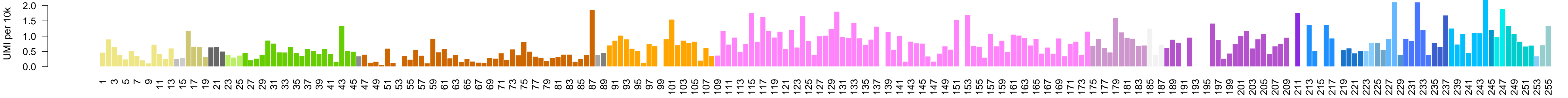
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bZIP.HG2.0:CREBL2  
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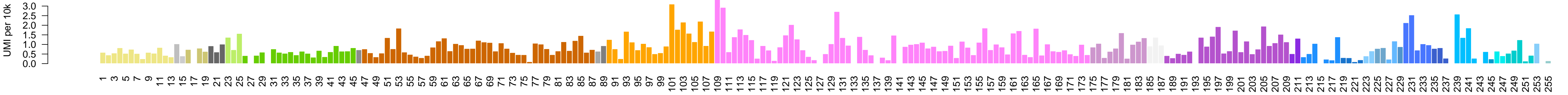


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bZIP.HG2.3:ATF1/CREB1/CREM  
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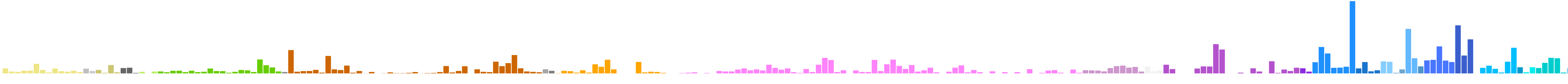


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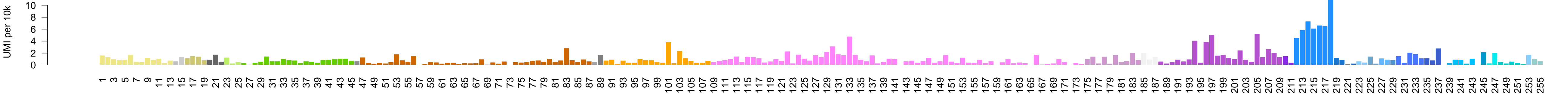
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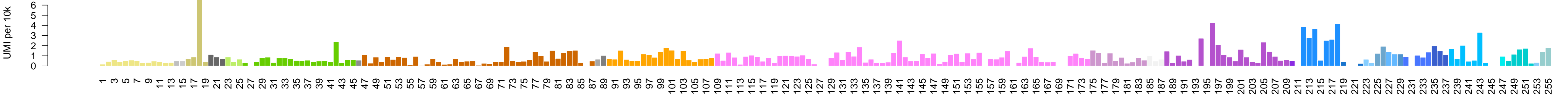
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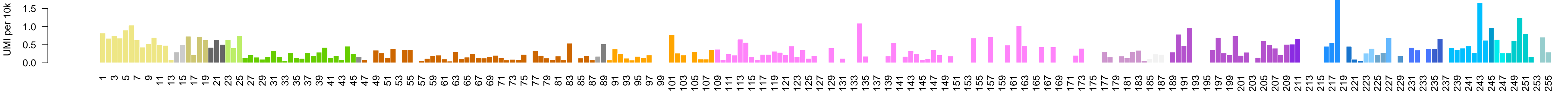
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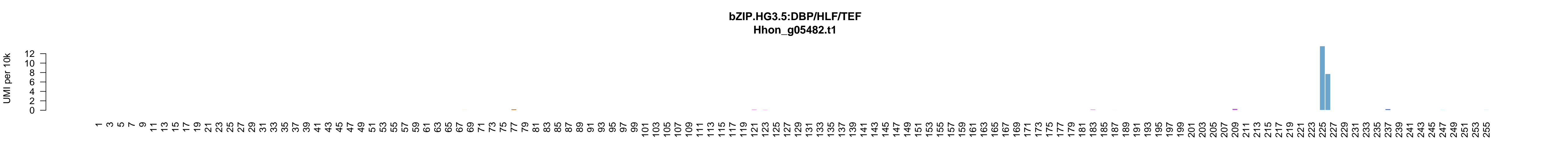


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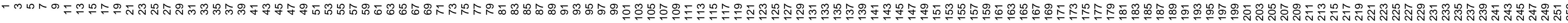
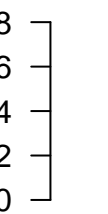
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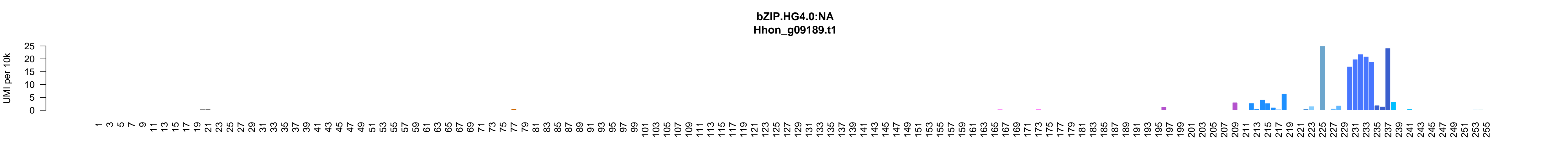




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UMI per 10k

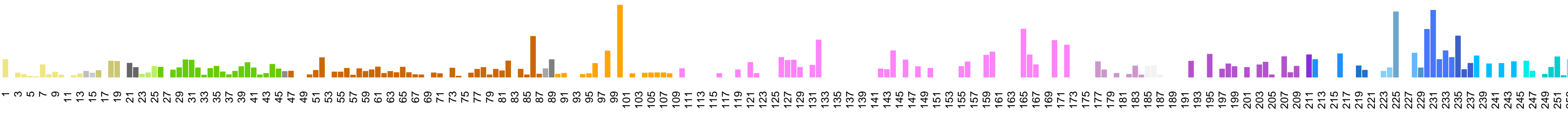
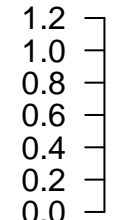




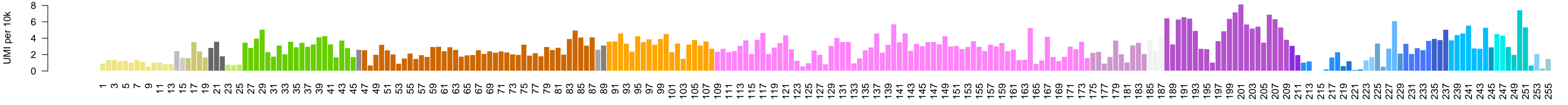


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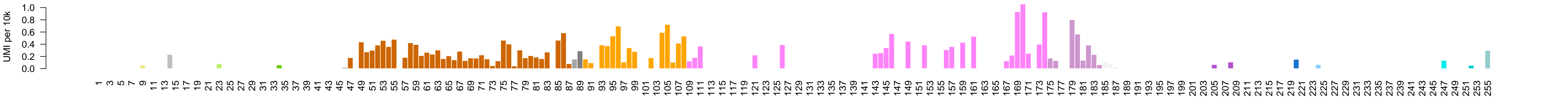
UMI per 10k



CSD.HG1.4:CARHSP1/CSDC2  
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DBD\_Tnp\_MULE.Unclassified  
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Doublesex\_DM.HG1.14:like:DMRTA1/DMRTA2  
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UMI per 10k

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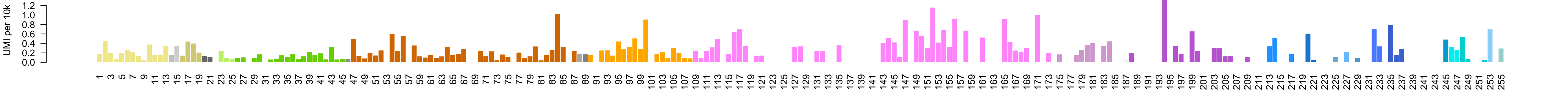


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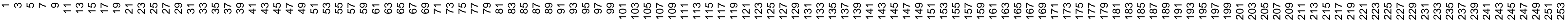
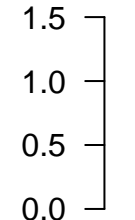


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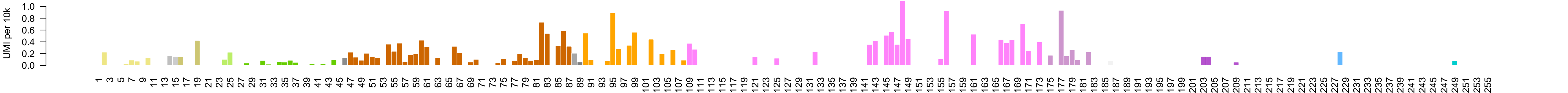


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UMI per 10k



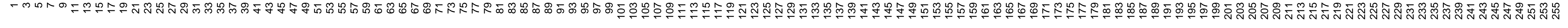
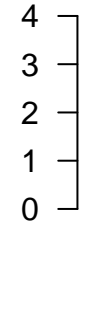
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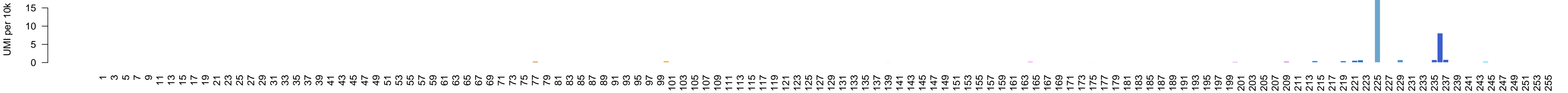


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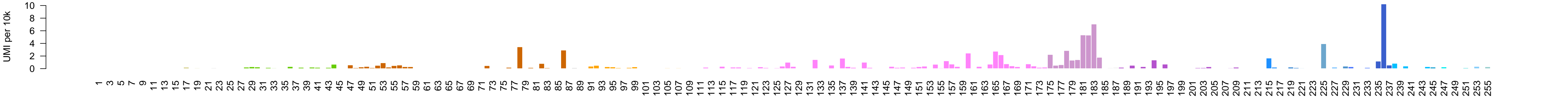
UMI per 10k



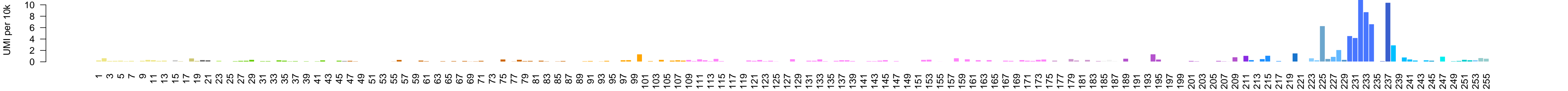
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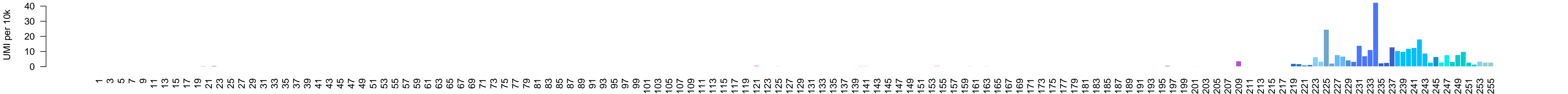
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Ets.HG1.3:GABPA  
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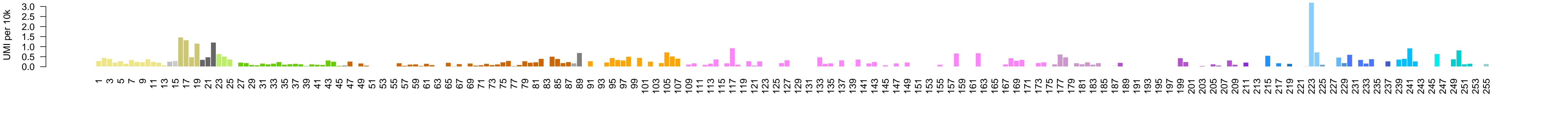


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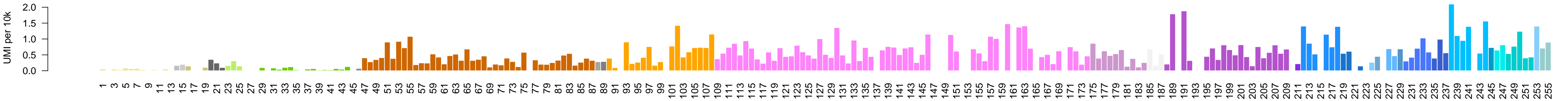


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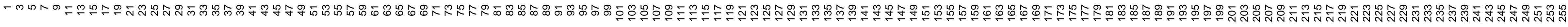
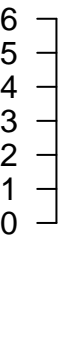


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Forkhead.HG1.13:FOXC1/FOXC2/FOXL1/FOXS1  
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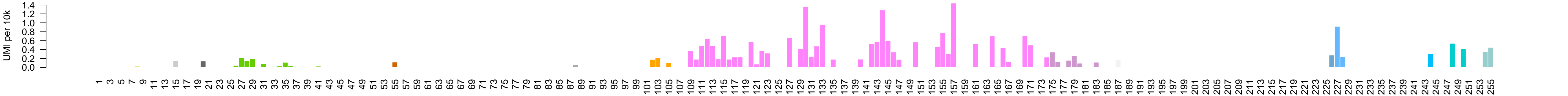
UMI per 10k





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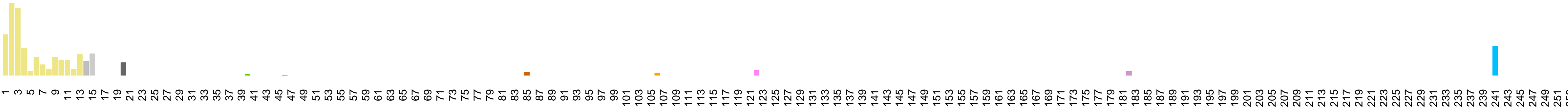
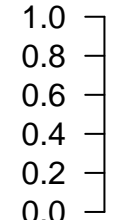
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Hhon\_g05911.t1

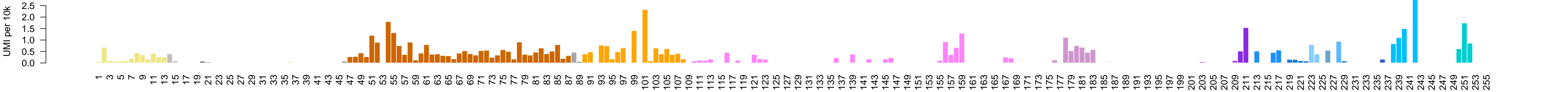
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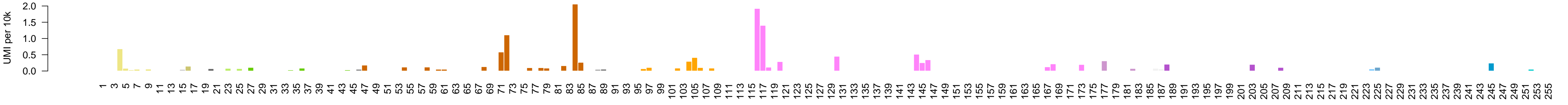
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Forkhead.HG1.14:FOXA1/FOXA2/FOXA3/FOXB1/FOXB2/FOXD1/FOXD2/FOXD3/FOXD4/FOXD4L1/FOXD4L3/FOXD4L4/FOXD4L5/FOXD4L6/FOXE1/FOXE3

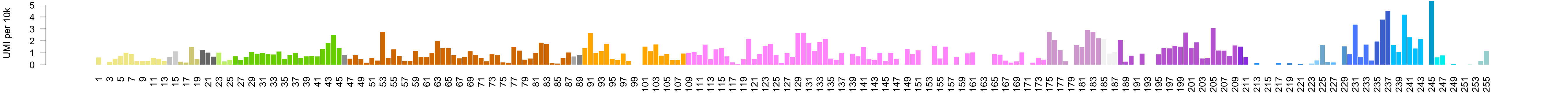
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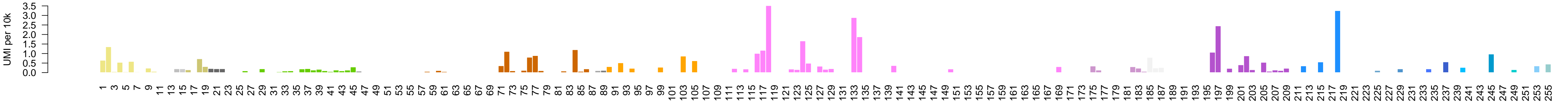
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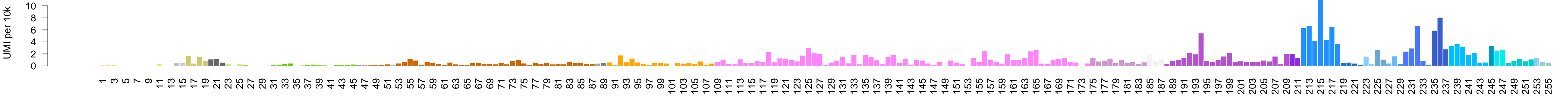
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Forkhead.HG1.24:FOXN1/FOXN4/FOXR1/FOXR2  
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Forkhead.HG1.30:FOXN2/FOXN3  
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Forkhead.HG1.31:AC097634.4/FOXP1/FOXP2/FOXP3/FOXP4  
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UMI per 10k

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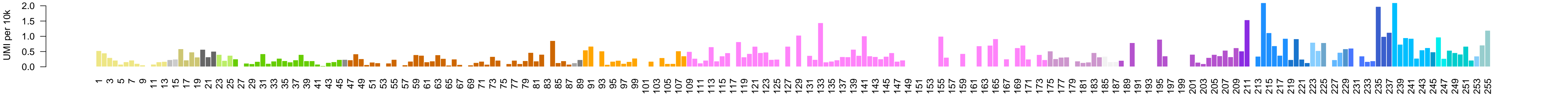
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Forkhead.HG1.33:FOXO1/FOXO3/FOXO3B/FOXO4/FOXO6

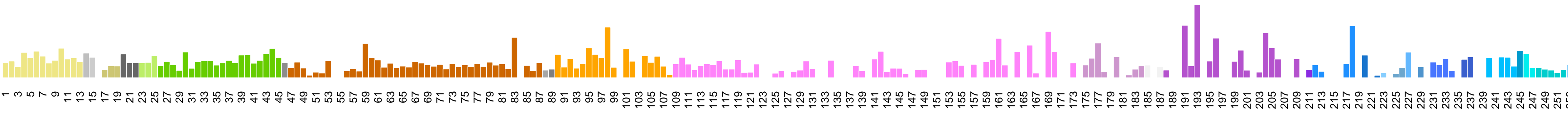
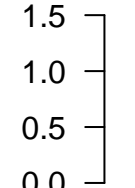
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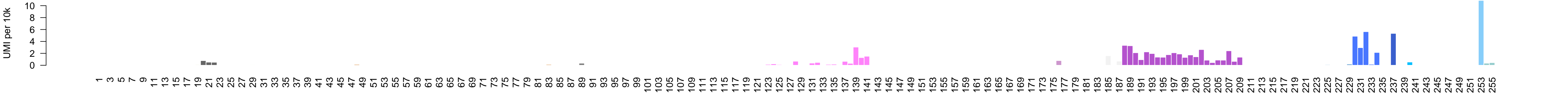


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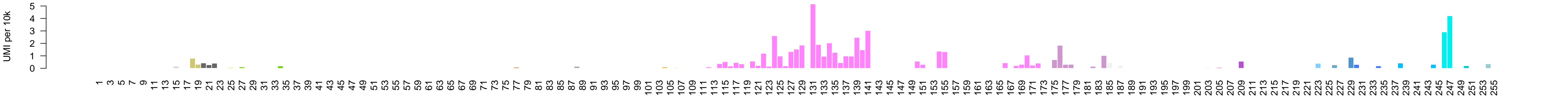
UMI per 10k



Forkhead.HG1.8:FOXG1  
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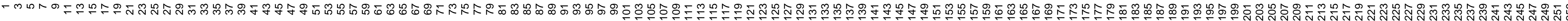
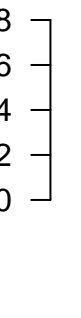
Forkhead.HG1.8:FOXG1  
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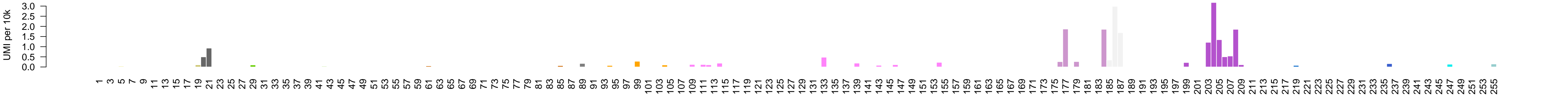
GATA.HG1.14:GATA4/GATA5/GATA6

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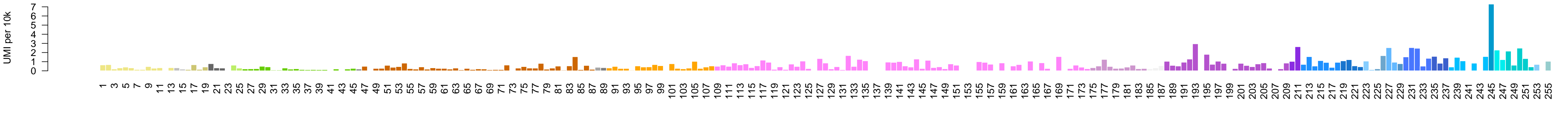
UMI per 10k



GATA.HG1.7:like:TRPS1  
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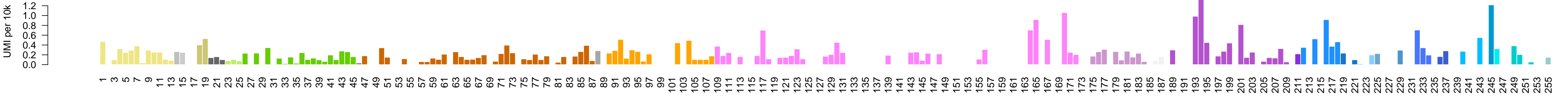


GATA.HG2.0:RERE  
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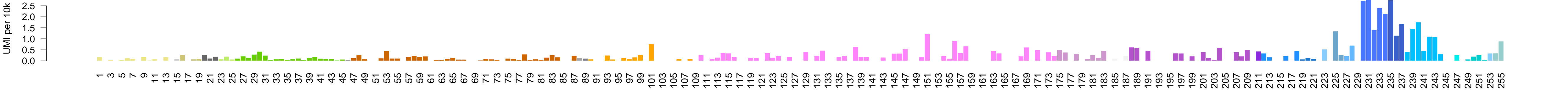




Grainyhead\_LSF.HG1.1:GRHL1/GRHL2/GRHL3  
Hhon\_g02999.t1



HLH.HG1.0:ARNT/ARNT2/ARNTL/ARNTL2  
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HLH.HG1.11:BHLHE40/BHLHE41/HELT  
Hhon\_g09260.t1

UMI per 10k

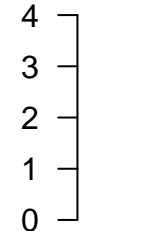
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1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 43 45 47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77 79 81 83 85 87 89 91 93 95 97 99 101 103 105 107 109 111 113 115 117 119 121 123 125 127 129 131 133 135 137 139 141 143 145 147 149 151 153 155 157 159 161 163 165 167 169 171 173 175 177 179 181 183 185 187 189 191 193 195 197 199 201 203 205 207 209 211 213 215 217 219 221 223 225 227 229 231 233 235 237 239 241 243 245 247 249 251 253 255

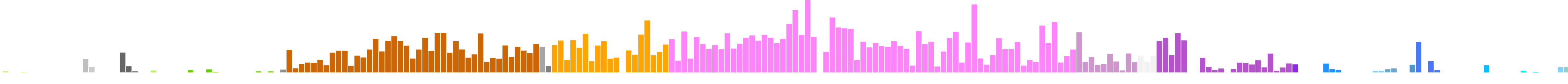


HLH.HG1.12:HEY1/HEY2/HEYL  
Hhon\_g06634.t1

UMI per 10k

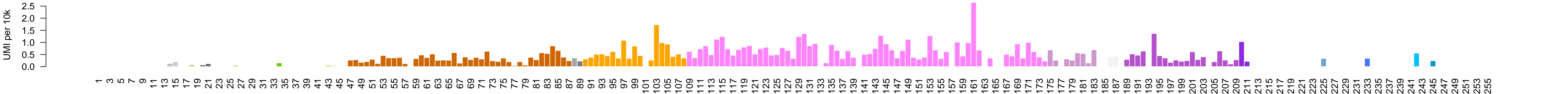


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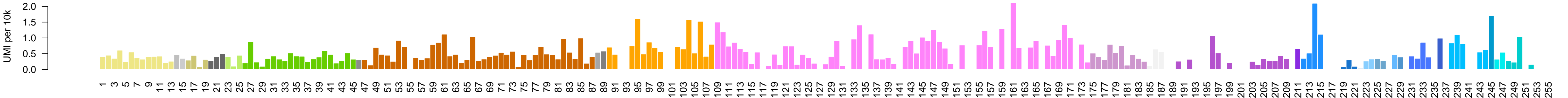


# HLH.HG1.13:HES1/HES2/HES3/HES4/HES5/HES6/HES7

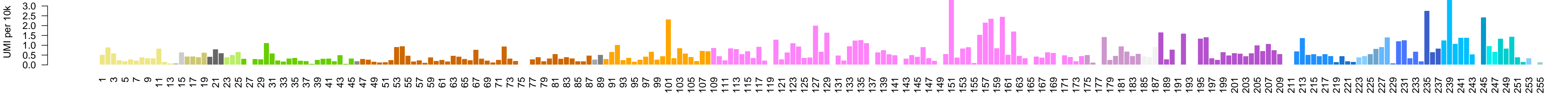
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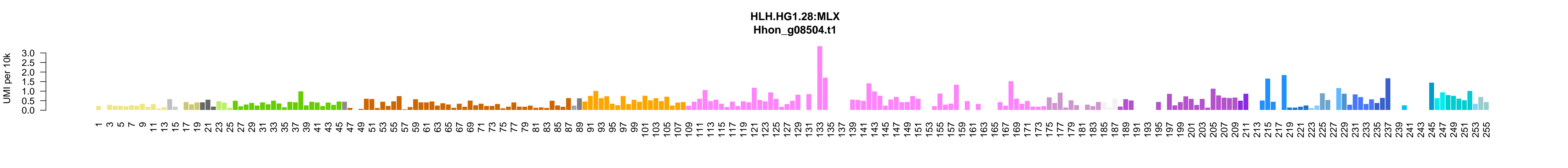


HLH.HG1.23:USF1/USF2  
Hhon\_g04144.t1



HLH.HG1.27:MLXIP/MLXIPL  
Hhon\_g02672.t1

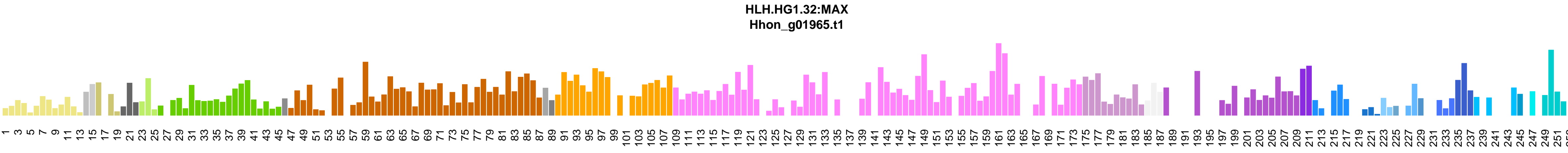






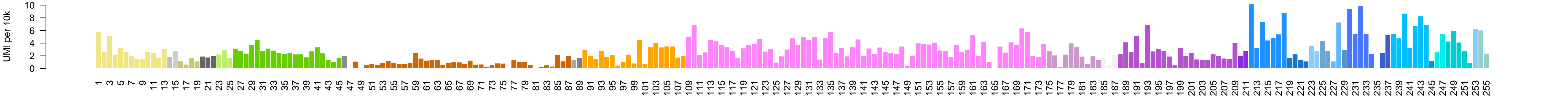
UMI per 10k

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0.0

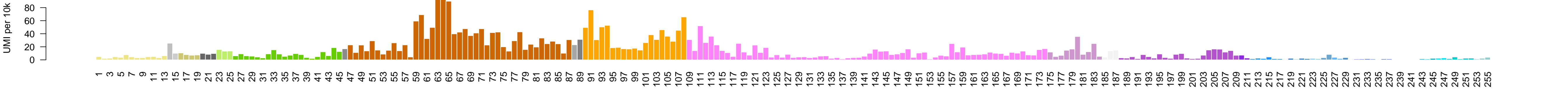


HLH.HG1.36:MXD1/MXD3/MXD4/MXI1

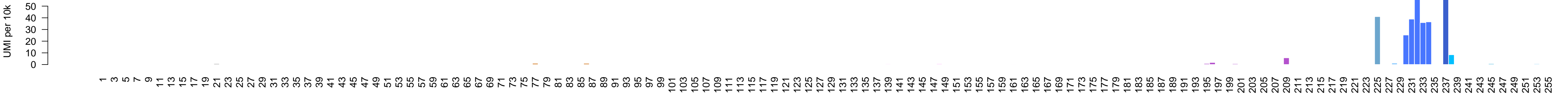
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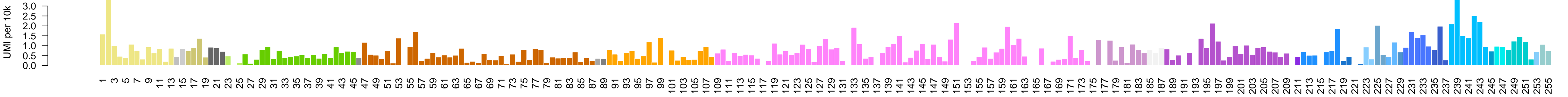
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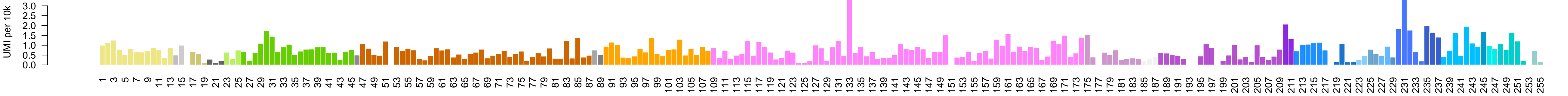
HLH.HG1.45:AC019117.3/AHR/AHRR  
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HLH.HG1.6:SREBF1/SREBF2  
Hhon\_g10817.t1



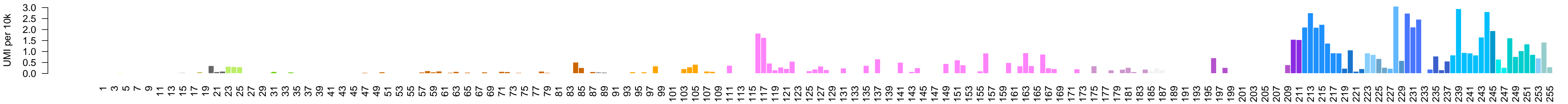
HLH.HG1.7:MITF/TFE3/TFEB/TFEC  
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HLH.HG2.2:TFAP4  
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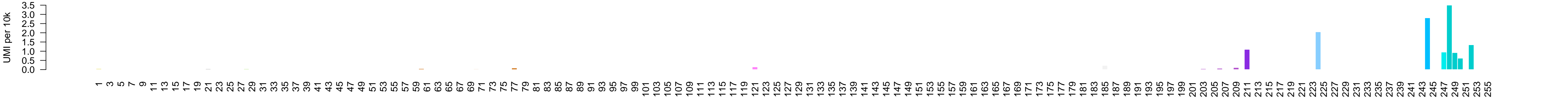
HLH.HG2.20:TCF3/TCF4/TCF12  
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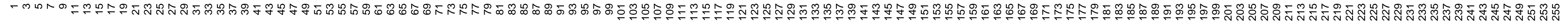
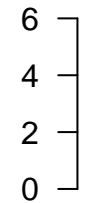
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Hhon\_g00682.t1



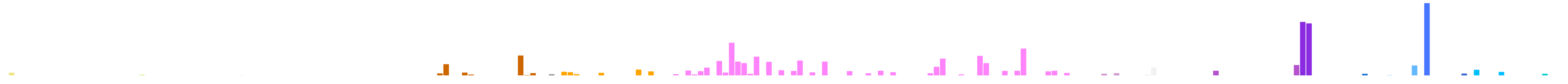
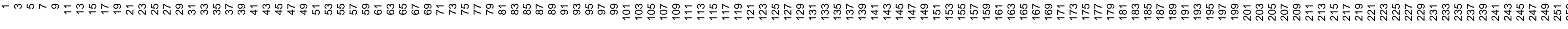
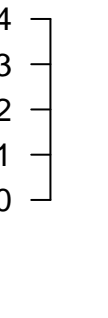
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UMI per 10k

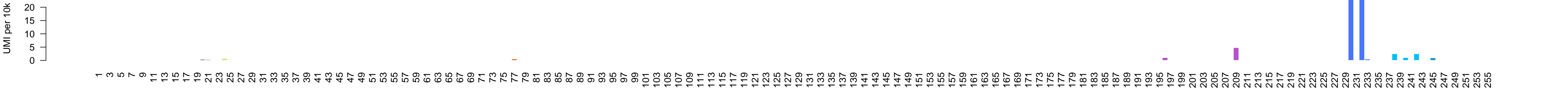


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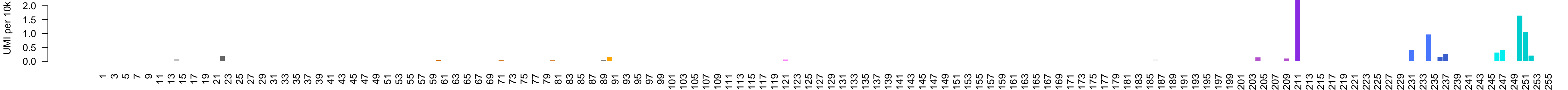
UMI per 10k



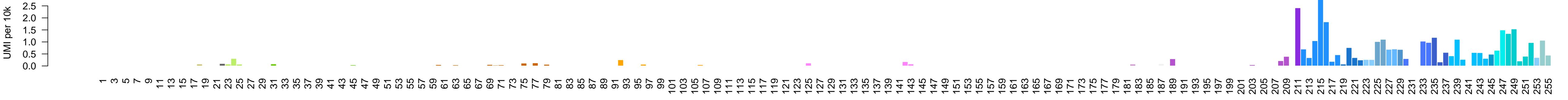
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HLH.HG2.36:ASCL3/ASCL4/ASCL5  
Hhon\_g00681.t1



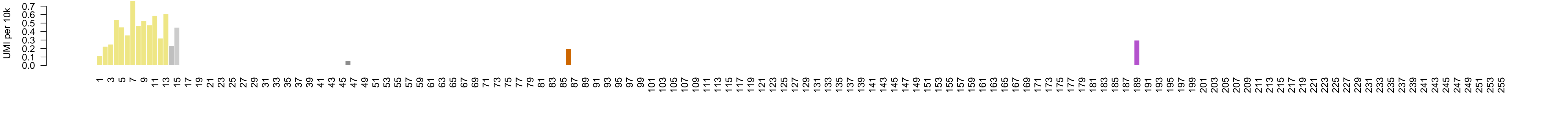
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HLH.HG2.38:FERD3L  
Hhon\_g05650.t1

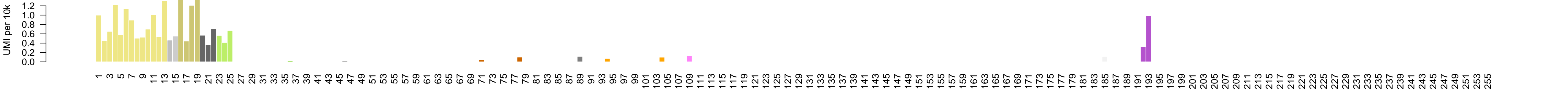


HLH.HG2.48:NEUROD1/NEUROD2/NEUROD4/NEUROD6  
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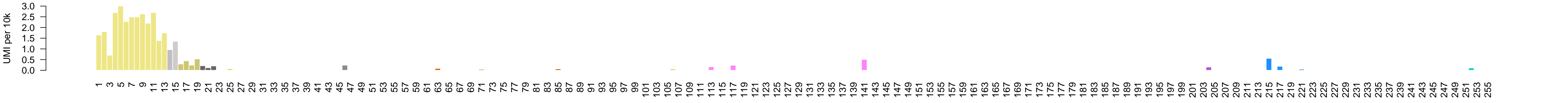




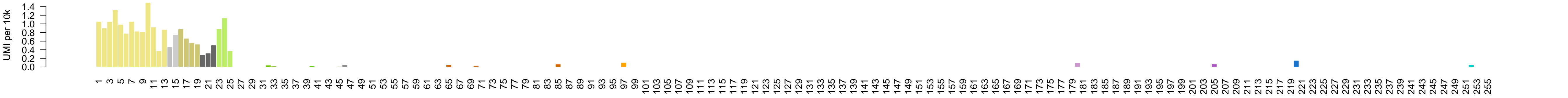
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HLH.HG2.53:BHLHA15/BHLHE22/BHLHE23/OLIG1/OLIG2/OLIG3  
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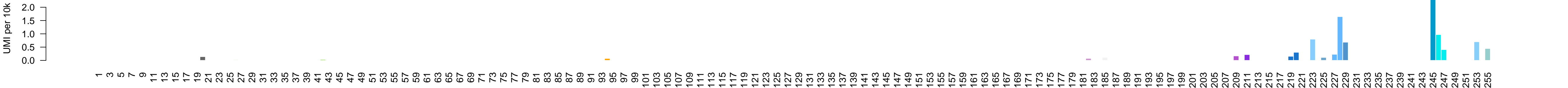


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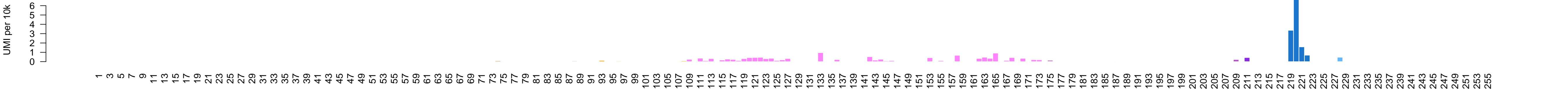
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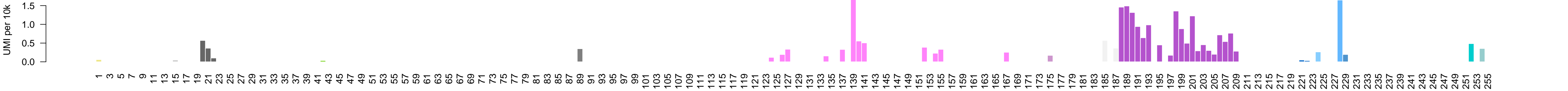


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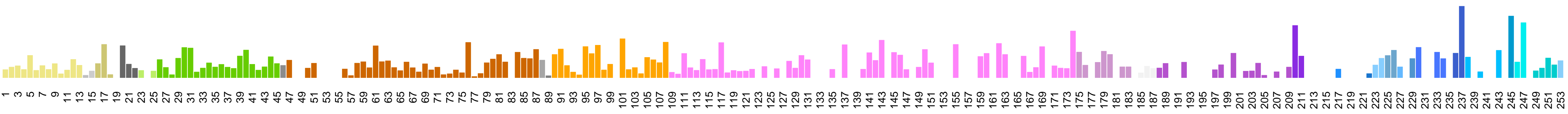
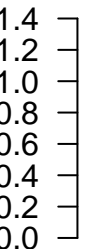


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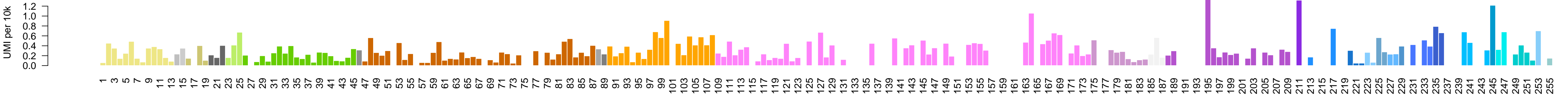


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UMI per 10k

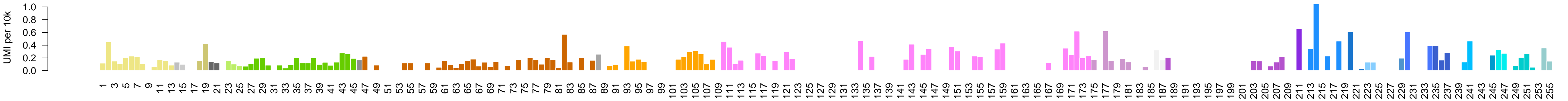


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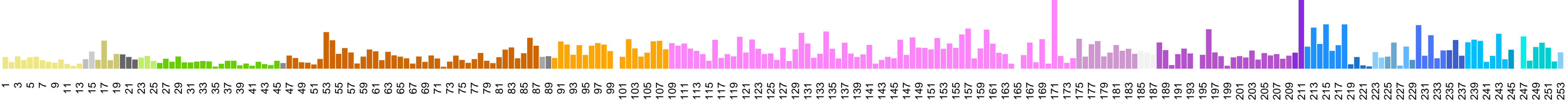
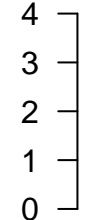


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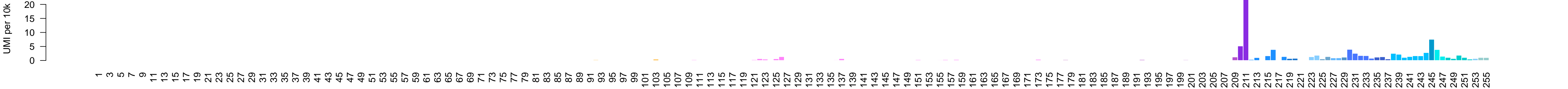
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UMI per 10k



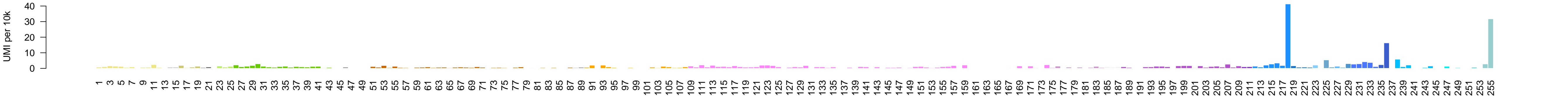
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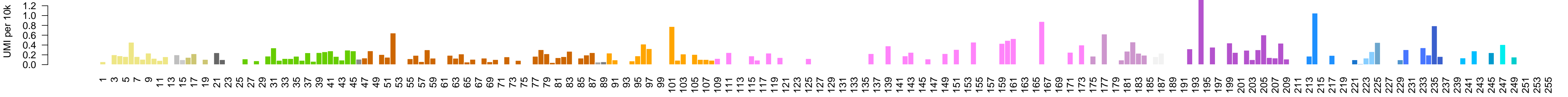


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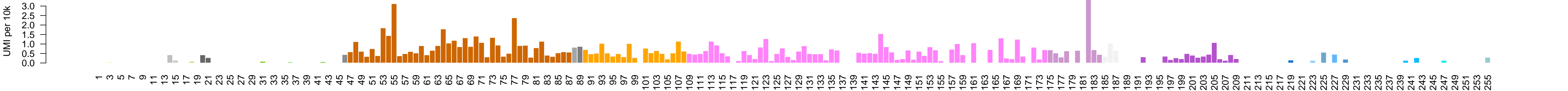


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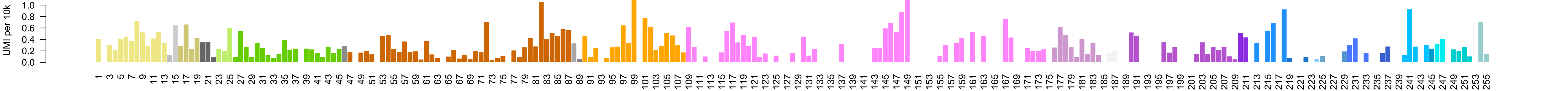
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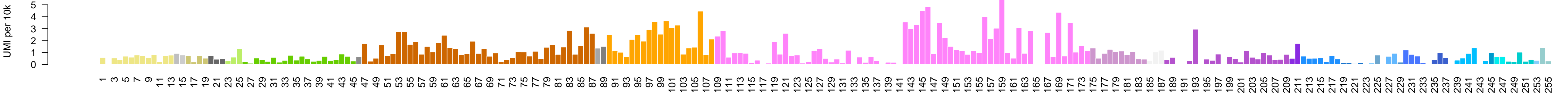


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Hhon\_g09390.t1

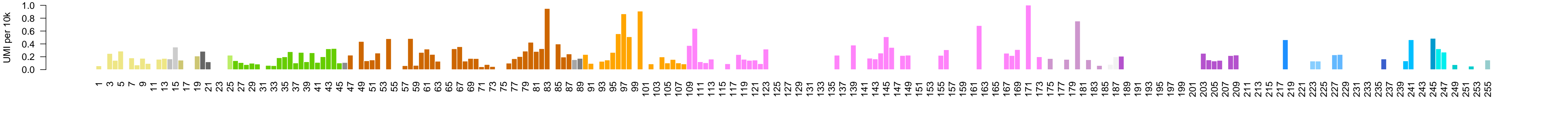


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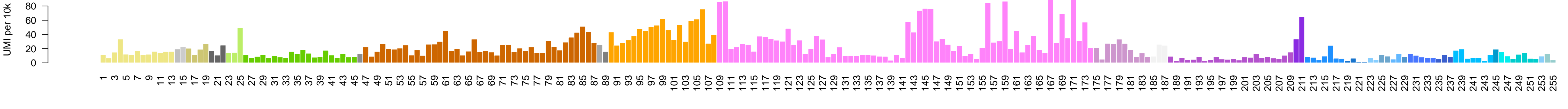




HMGbox\_Sox.HG1.34:SSRP1  
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HMGbox\_Sox.HG1.39:like:HMGB1/HMGB2/HMGB3/HMGB4  
Hhon\_g10217.t1



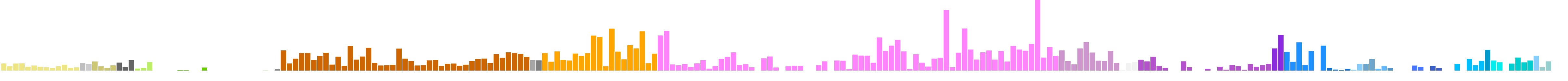
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Hhon\_g08561.t1

UMI per 10k

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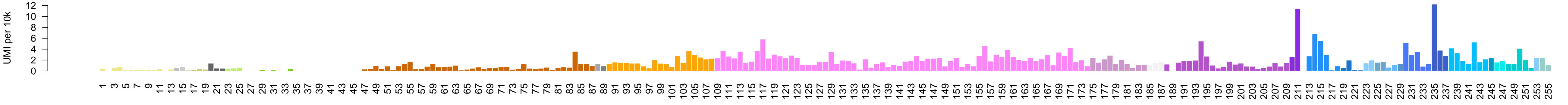
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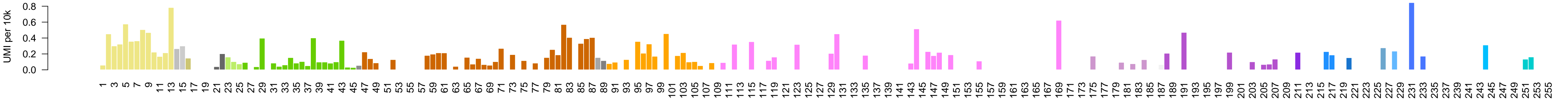
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HMGbox\_Sox.HG1.48:SOX1/SOX2/SOX3  
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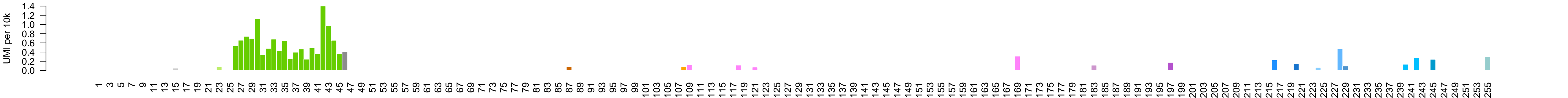


HMGbox\_Sox.Unclassified  
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Homeodomains.HG1.1:CDX1/CDX2/CDX4/HOXA13/HOXB13/HOXC13/HOXD13

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Homeodomains.HG1.27:DLX1/DLX2/DLX3/DLX4/DLX5/DLX6  
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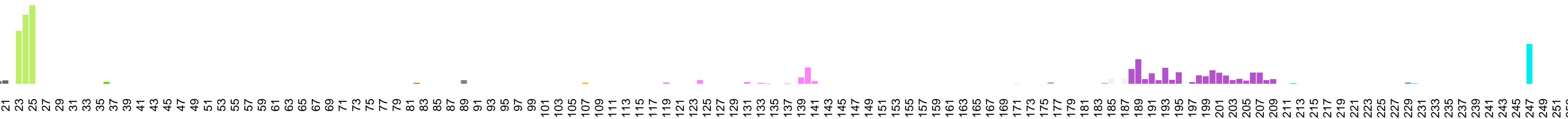
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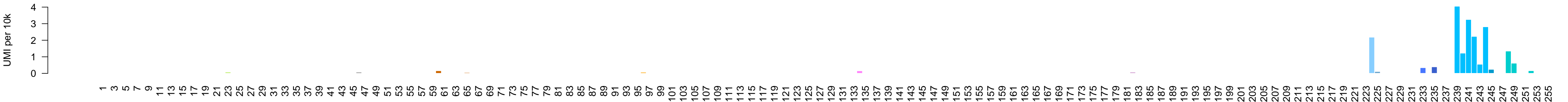
UMI per 10k

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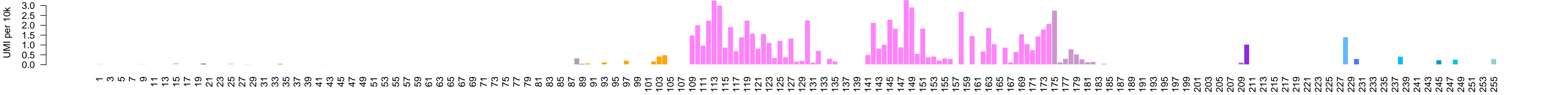


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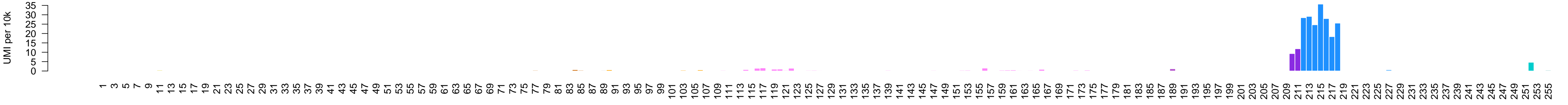


Homeodomains.HG1.39:NKX2-1/NKX2-2/NKX2-3/NKX2-4/NKX2-5/NKX2-6/NKX2-8

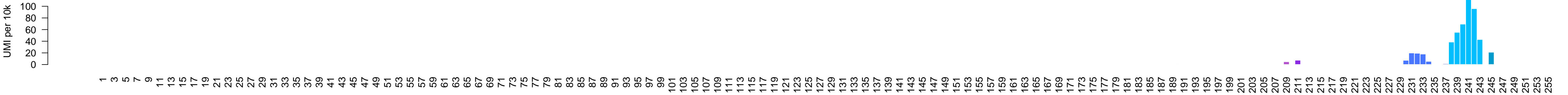
Hhon\_g07292.t1



Homeodomains.HG1.4:DBX1/DBX2/HLX  
Hhon\_g08608.t1



Homeodomains.HG1.45:MNX1  
Hhon\_g09133.t1

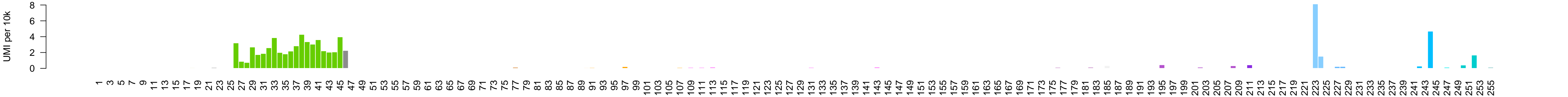


Homeodomains.HG1.5:HHEX  
Hhon\_g07171.t1



# Homeodomains.HG1.59:like:GSX1/GSX2

Hhon\_g07173.t1



Homeodomains.HG1.60:GSX1/GSX2  
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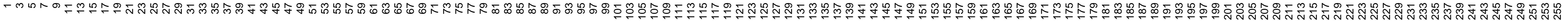
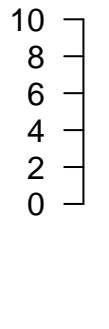




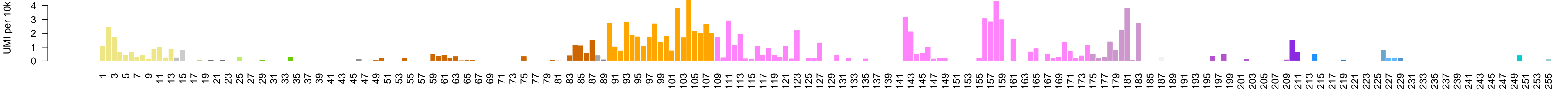
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Hhon\_g02618.t1

UMI per 10k



Homeodomains.HG2.26:GSC/GSC2  
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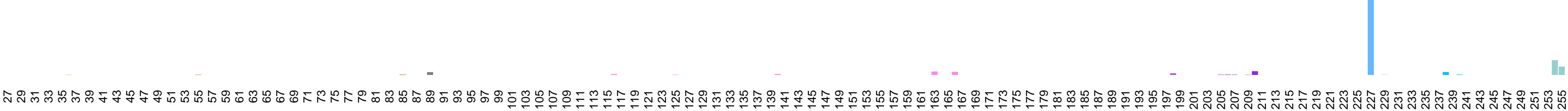
Homeodomains.HG2.31:like:AC025287.4/CPHXL/ESX1/ISX/NOBOX/PROP1/SEBOX/VSX1/VSX2

Hhon\_g07457.t1

UMI per 10k

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2  
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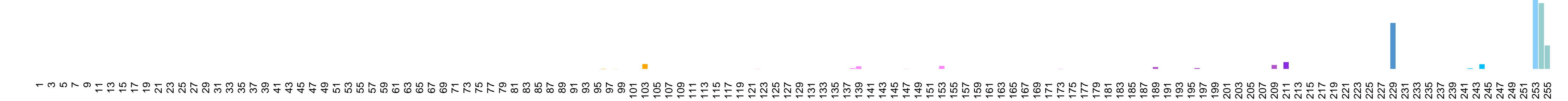
Homeodomains.HG2.34:OTP/PITX1/PITX2/PITX3/RAX/RAX2

Hhon\_g03911.t1

UMI per 10k

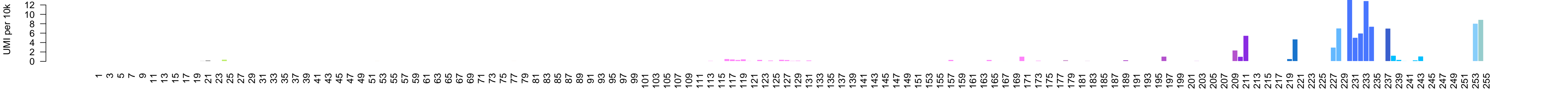
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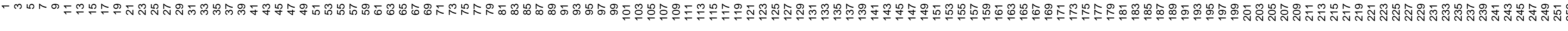
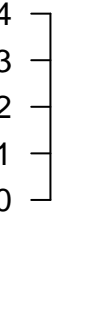
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Hhon\_g09022.t1



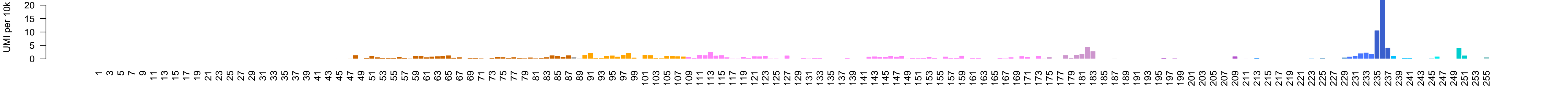
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UMI per 10k



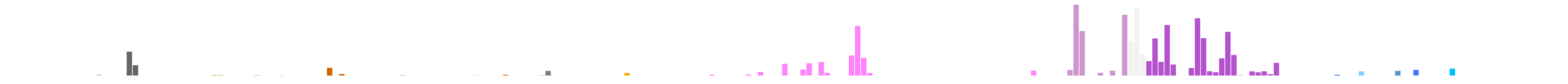
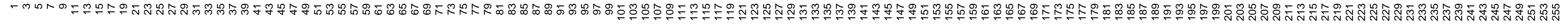
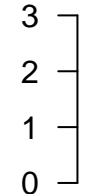
Homeodomains.HG2.63:ARX

Hhon\_g05245.t1



Homeodomains.HG2.67:like:ALX1/ALX3/ALX4/ARX  
Hhon\_g03913.t1

UMI per 10k





Homeodomains.HG2.8:like:PAX2/PAX4/PAX5/PAX6/PAX8  
Hhon\_g05962.t1

UMI per 10k

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1

2

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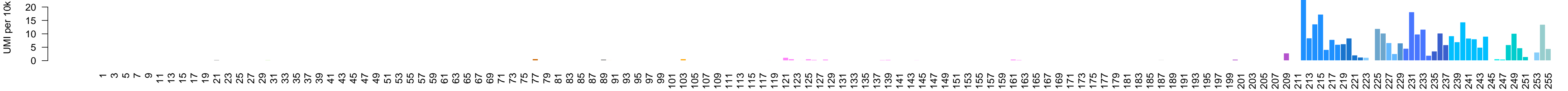
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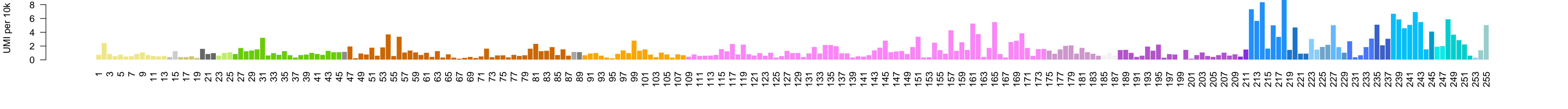
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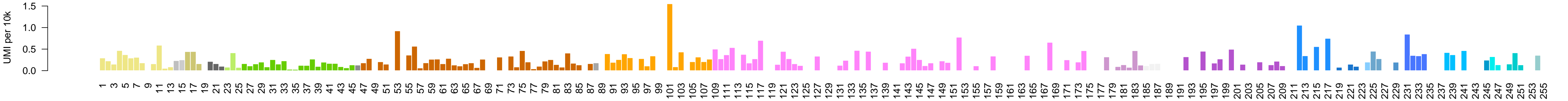
Homeodomains.HG2.9:PAX2/PAX4/PAX5/PAX6/PAX8  
Hhon\_g09266.t1



Homeodomains.HG4.1:IRX1/IRX2/IRX3/IRX4/IRX5/IRX6/MKX  
Hhon\_g00976.t1



Homeodomains.HG4.18:PKNOX1/PKNOX2  
Hhon\_g06747.t1



Homeodomains.HG4.19:like:MEIS1/MEIS2/MEIS3

Hhon\_g10567.t1

UMI per 10k

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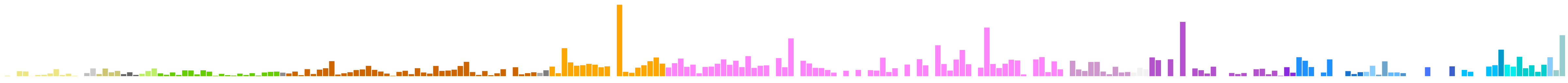
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Hhon\_g05343.t1

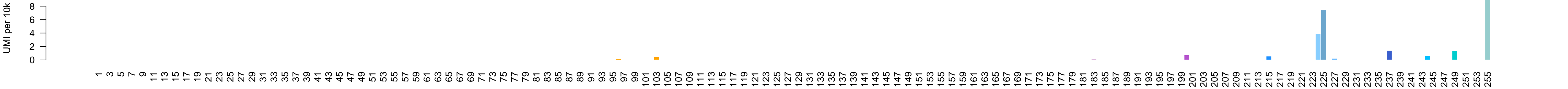
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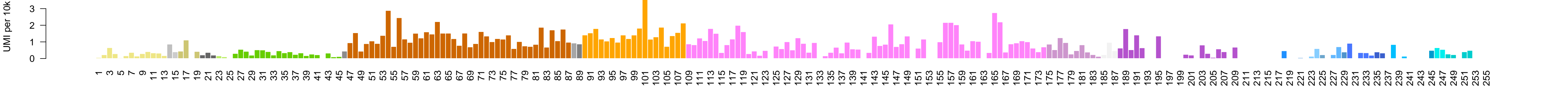
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Homeodomains.HG5.5:like:SIX1/SIX2/SIX3/SIX4/SIX5/SIX6  
Hhon\_g11175.t1



Homeodomains.HG6.11:POU3F1/POU3F2/POU3F3/POU3F4  
Hhon\_g05884.t1





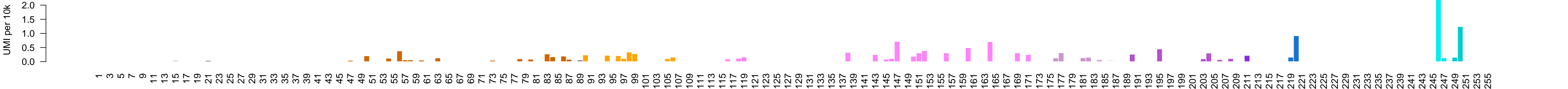
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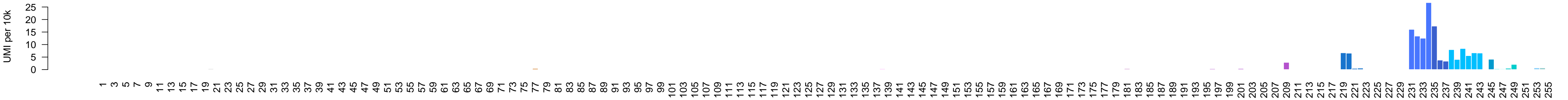
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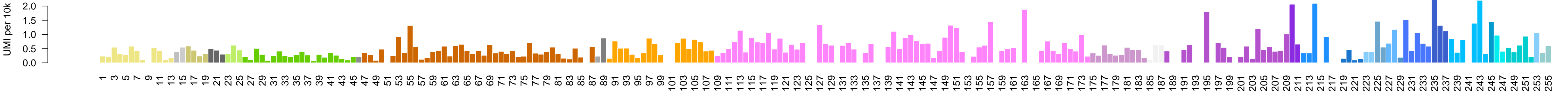
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Homeodomains.Unclassified  
Hhon\_g09380.t1

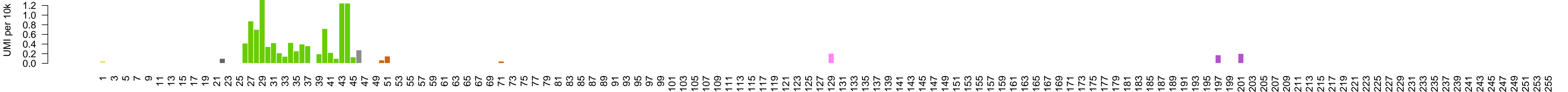


HSF.HG1.1:HSF1/HSF2/HSF4  
Hhon\_g08360.t1



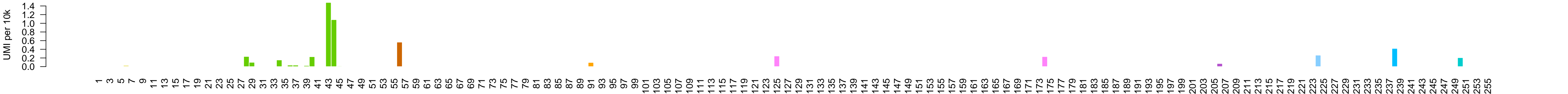
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Hhon\_g07682.t1

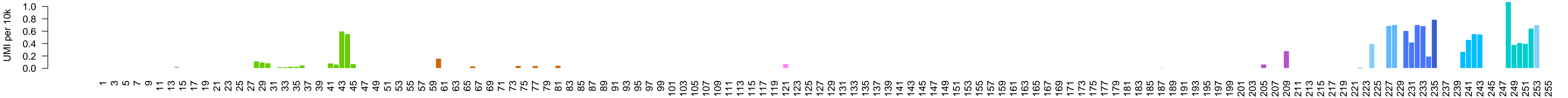


IRF.HG1.5:like:IRF1/IRF2/IRF3/IRF4/IRF5/IRF6/IRF7/IRF8/IRF9

Hhon\_g07683.t1

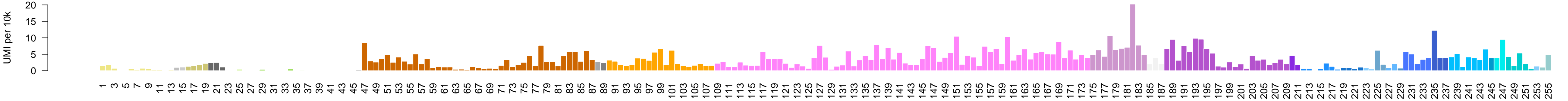


IRF.HG1.5:like:IRF1/IRF2/IRF3/IRF4/IRF5/IRF6/IRF7/IRF8/IRF9  
Hhon\_g07684.t1

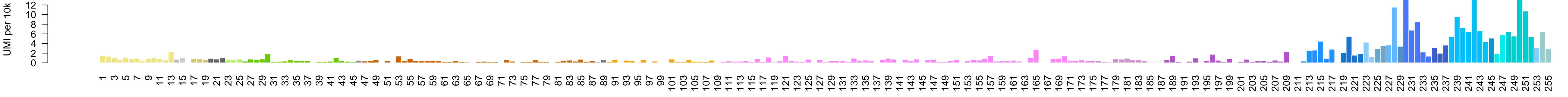




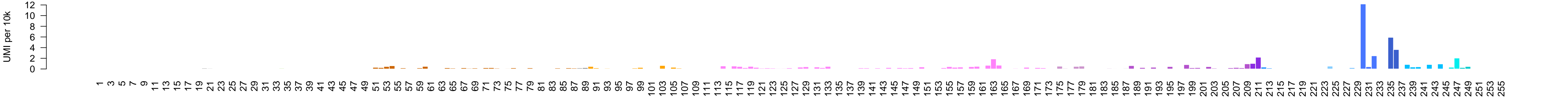
IRF.HG1.7:IRF1/IRF2  
Hhon\_g01017.t1



IRF.HG1.7:IRF1/IRF2  
Hhon\_g04527.t1

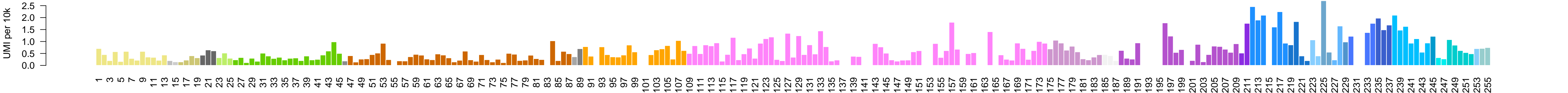


LAG1\_CSL.HG1.0:RBPJ/RBPJL  
Hhon\_g05183.t1



MADS-box\_SRF.HG1.1:BORCS8-MEF2B/MEF2A/MEF2B/MEF2C/MEF2D

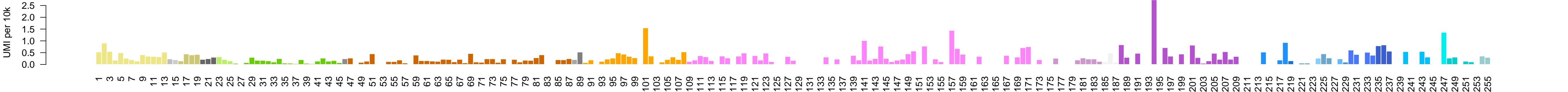
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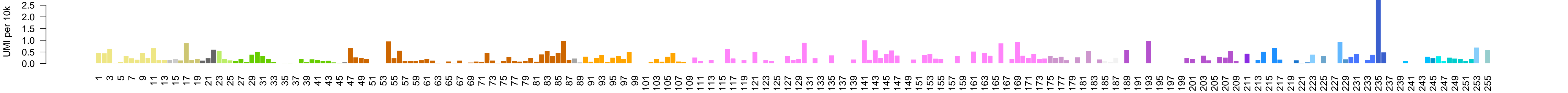
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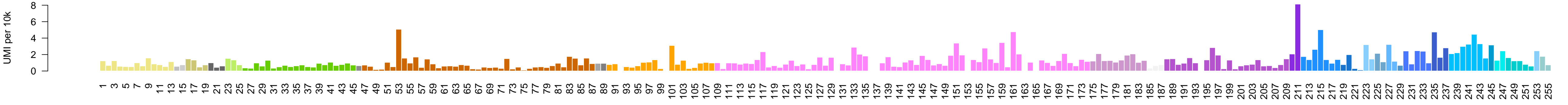
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MBD.HG1.3:SETDB1/SETDB2  
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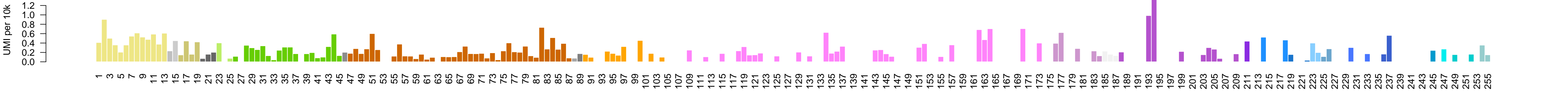


MBD.HG1.5:BAZ2A/BAZ2B  
Hhon\_g04767.t1

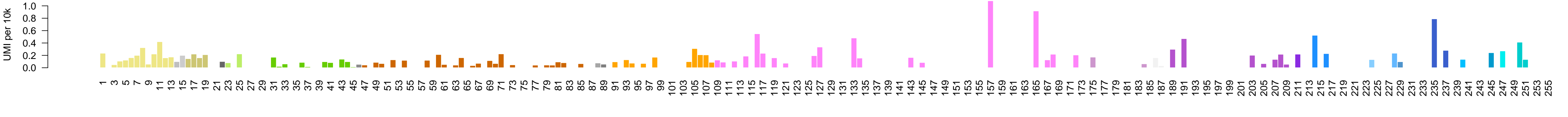




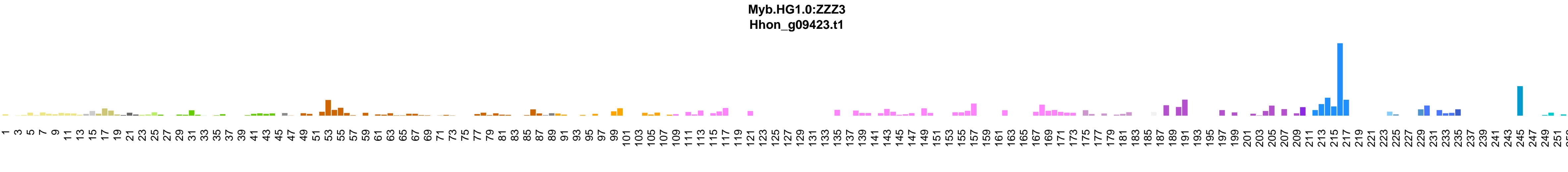
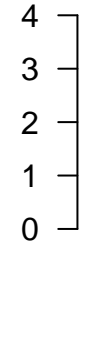
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mTERF.HG1.1:MTERF1/MTERF2/MTERF3/MTERF4  
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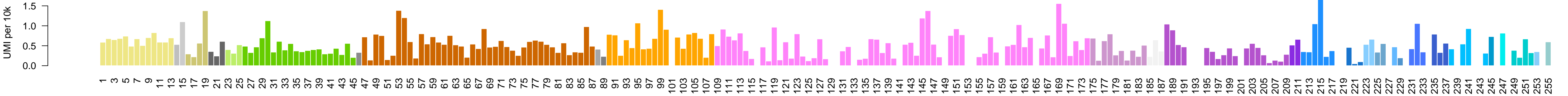


UMI per 10k

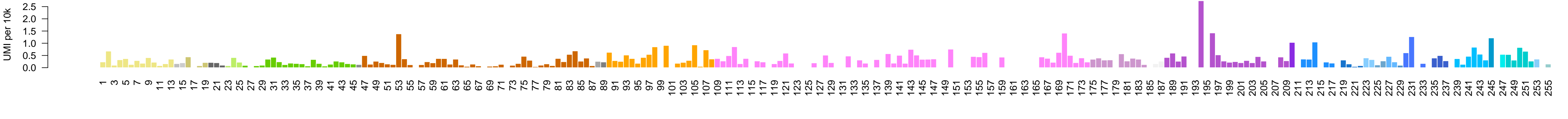


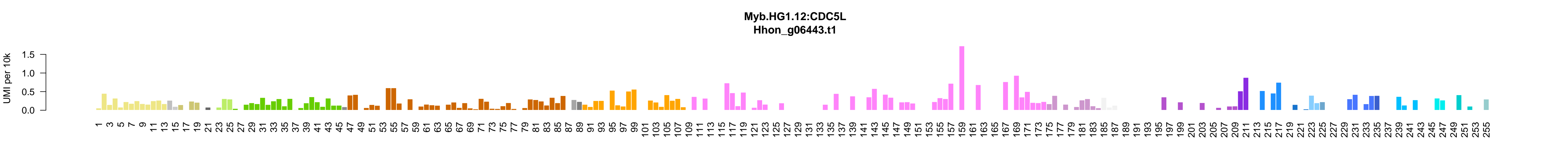
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Myb.HG1.1:DNAJC1/DNAJC2  
Hhon\_g04004.t1

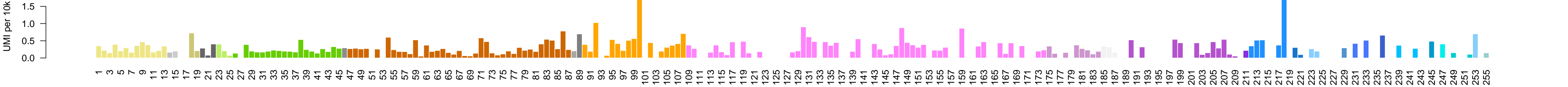


Myb.HG1.10:NCOR1/NCOR2  
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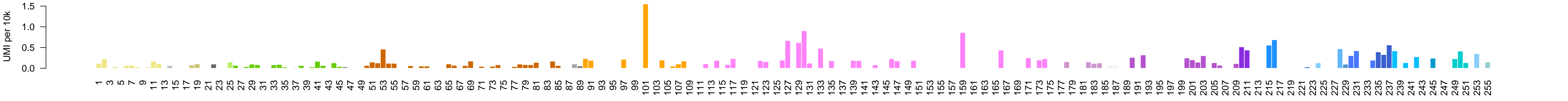




Myb.HG1.14:DMTF1/TTF1  
Hhon\_g01256.t1

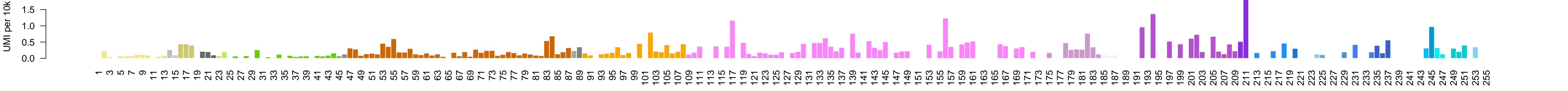


Myb.HG1.14:DMTF1/TTF1  
Hhon\_g02157.t1

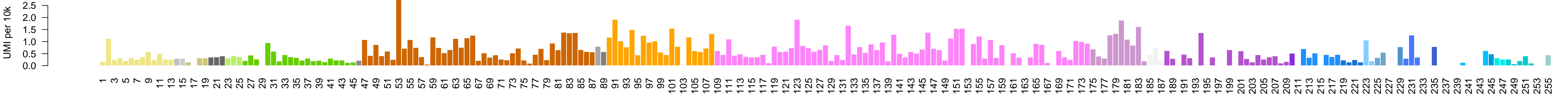




Myb.HG1.16:RCOR1/RCOR2/RCOR3  
Hhon\_g01966.t1

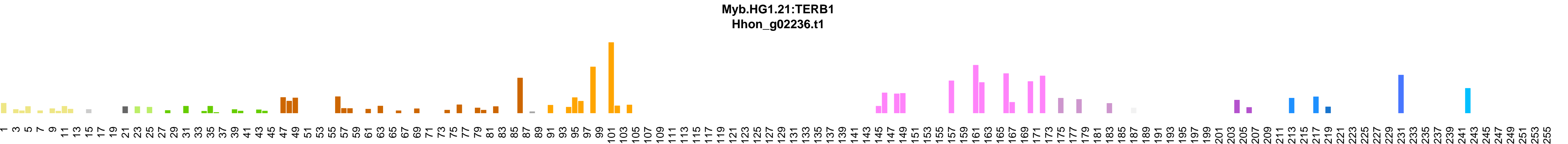


Myb.HG1.19:SNAPC4  
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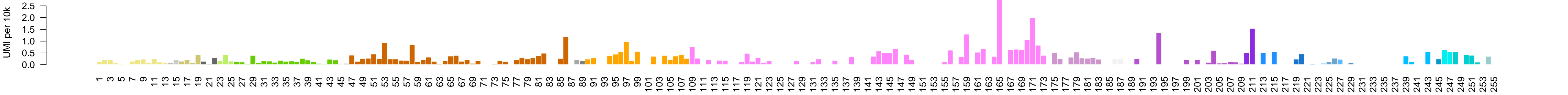


UMI per 10k

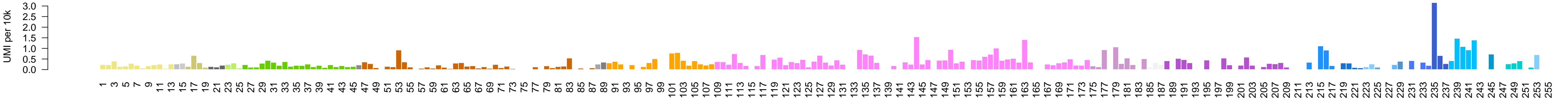
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Myb.HG1.3:SMARCC1/SMARCC2  
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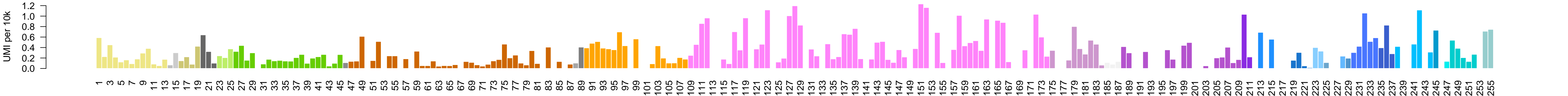


Myb.HG1.4:MYSM1  
Hhon\_g10138.t1



Myb.HG1.5:MIER1/MIER2/MIER3/MTA1/MTA3;zf-C2H2.HG32.1:TRERF1/ZNF541

Hhon\_g03592.t1

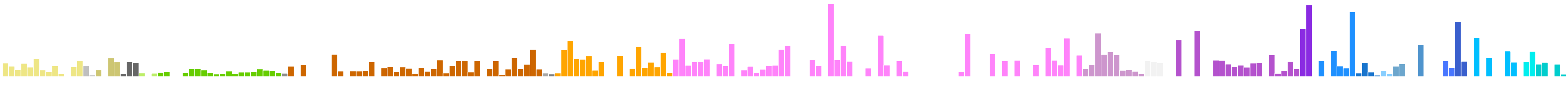


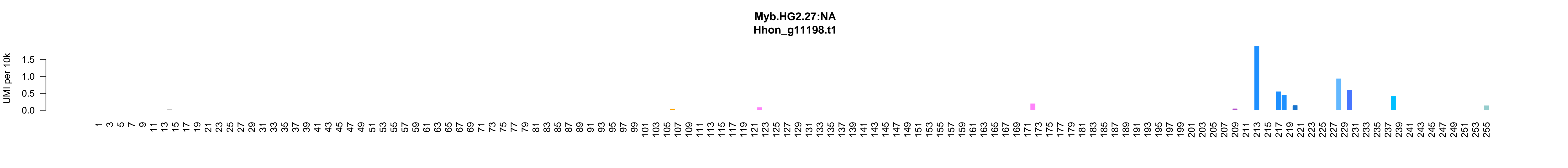
UMI per 10k

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0.0

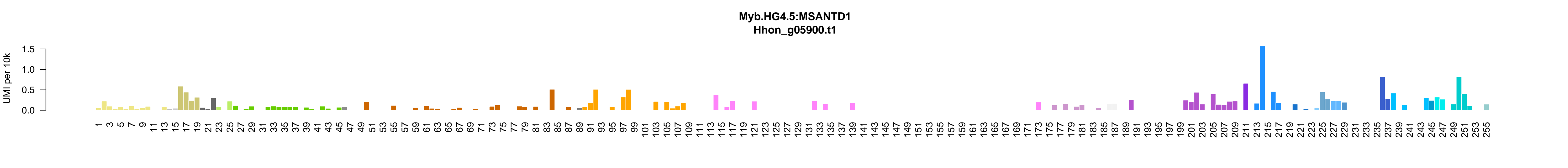
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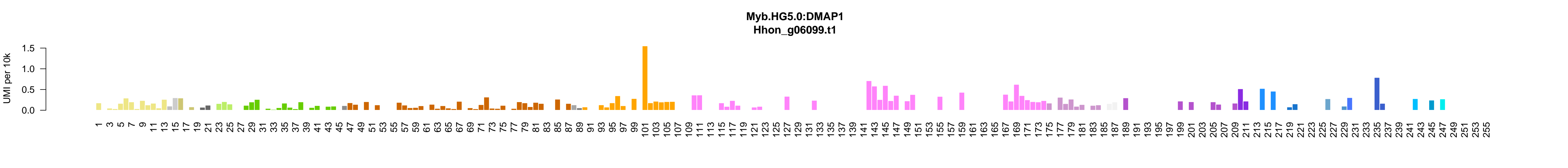
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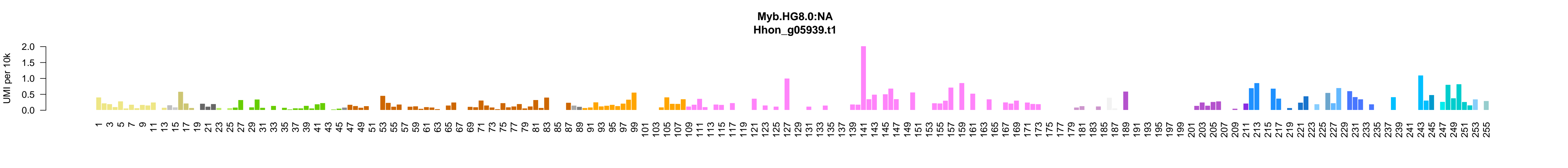




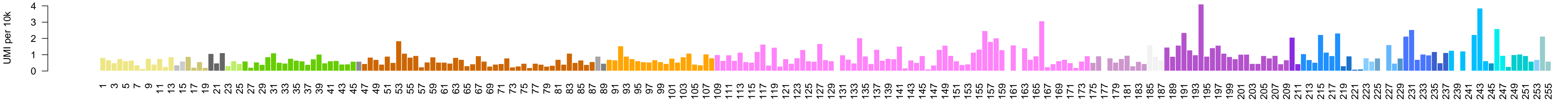




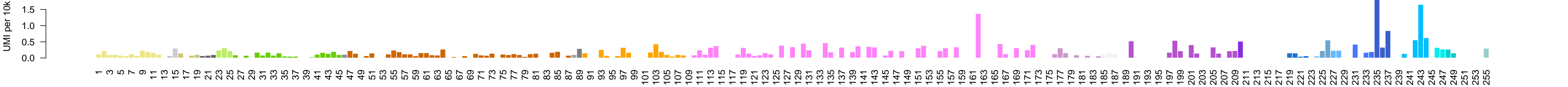




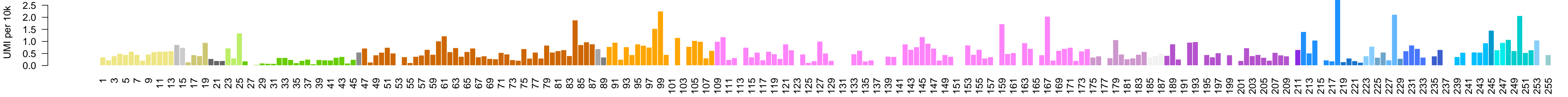
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NFX1\_ZF.HG1.1:NFX1  
Hhon\_g06302.t1

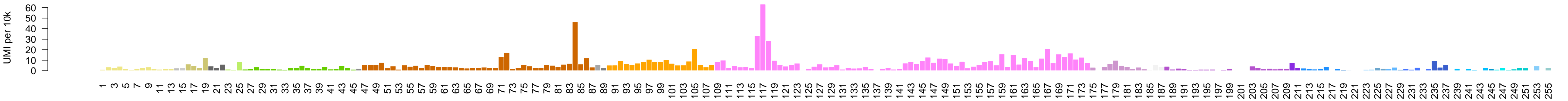


NFYA.HG1.2:like:NFYA  
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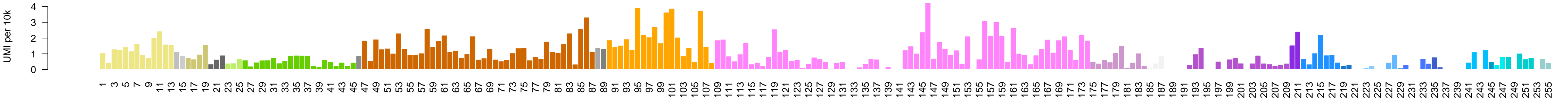


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Hhon\_g00184.t1



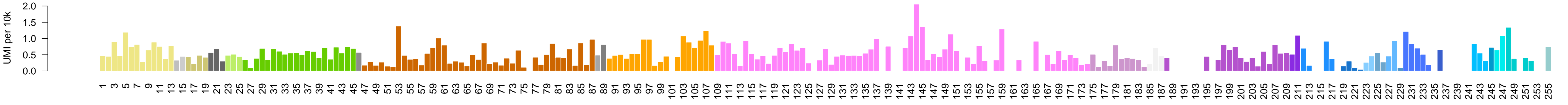
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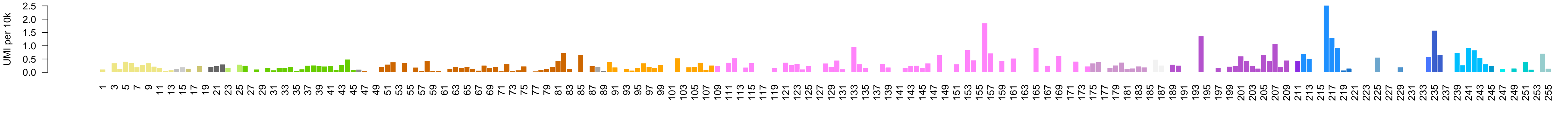




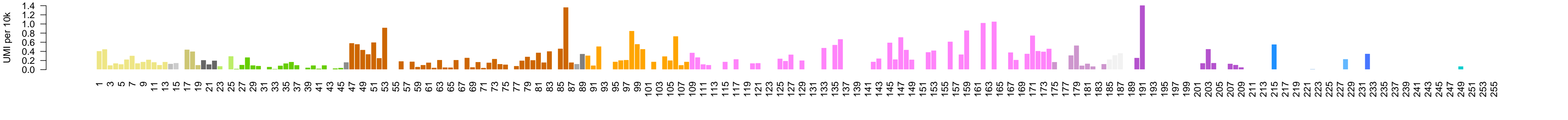
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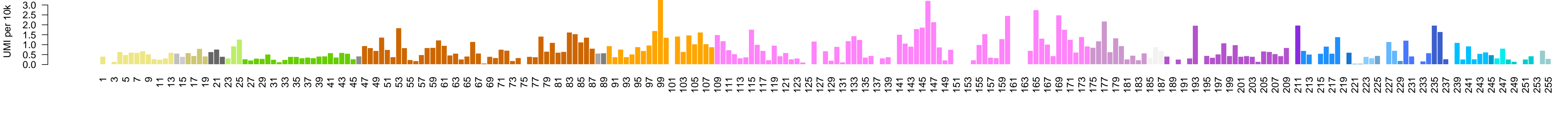
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NFYB\_NFYC.HG3.7:CHRA1  
Hhon\_g03028.t1

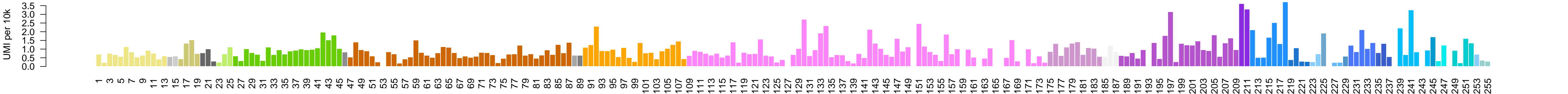


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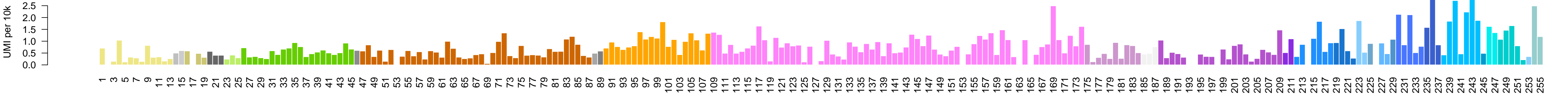


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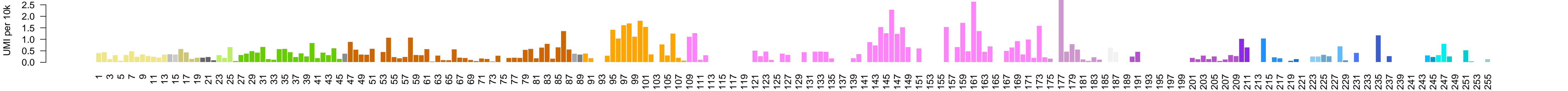
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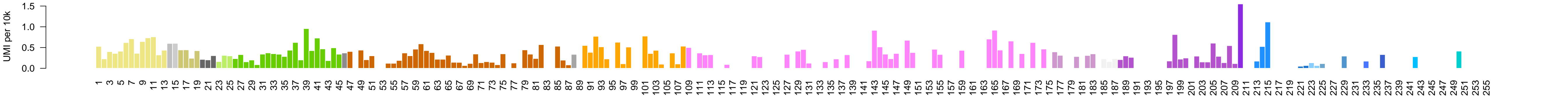


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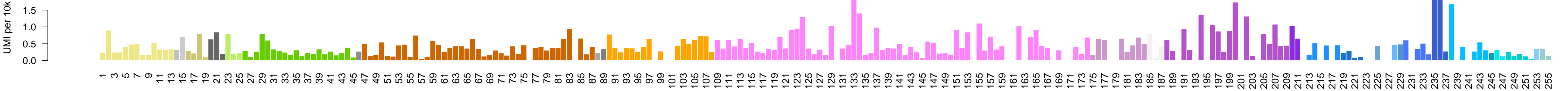




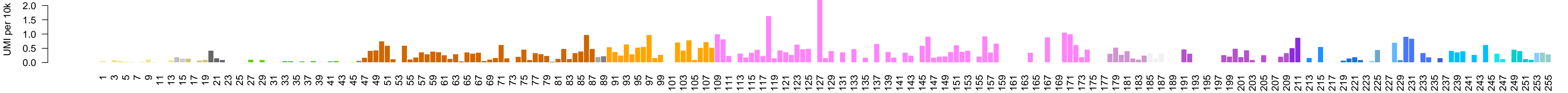
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P53.HG1.3:TP53/TP63/TP73  
Hhon\_g06904.t1



RFX.HG1.3:RFX1/RFX2/RFX3  
Hhon\_g04246.t1

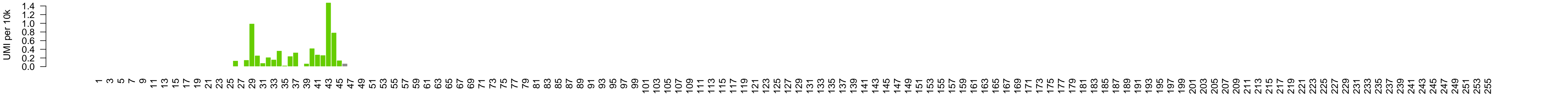


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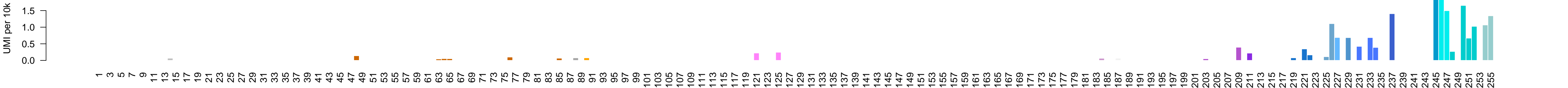


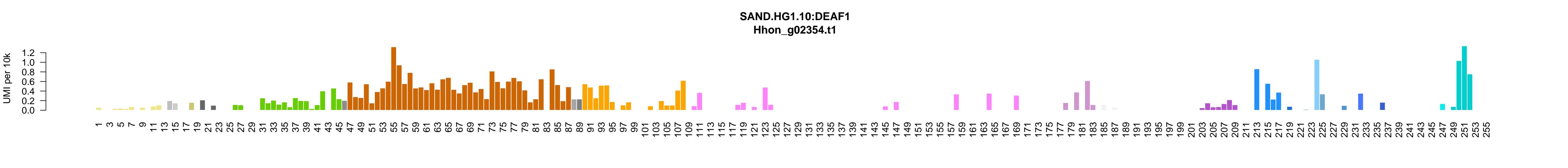
RHD\_Rel.HG1.1:like:NFKB1/NFKB2/REL/RELA/RELB

Hhon\_g02740.t1



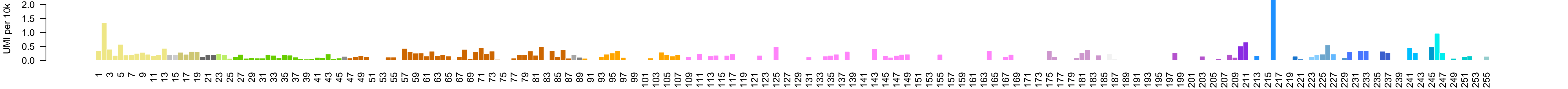
Runt\_Runx.HG1.0:RUNX1/RUNX2/RUNX3  
Hhon\_g05881.t1





SAND.HG1.12:like:AIRE/DEAF1/GMEB1/GMEB2/SP100/SP110/SP140/SP140L

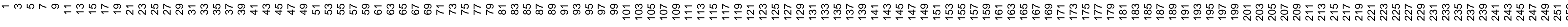
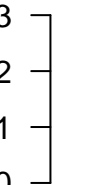
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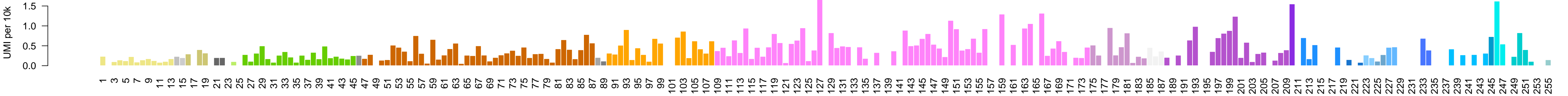


SMAD\_MH1.HG1.0:SMAD6/SMAD7  
Hhon\_g04010.t1

UMI per 10k



SMAD\_MH1.HG1.14:SMAD4  
Hhon\_g08109.t1



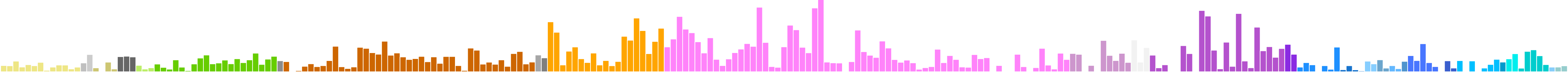
SMAD\_MH1.HG1.6:like:SMAD1/SMAD2/SMAD3/SMAD4/SMAD5/SMAD9

Hhon\_g05417.t1

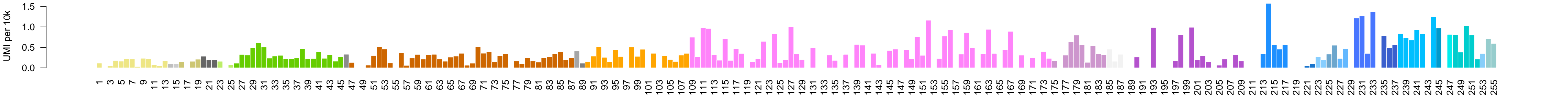
UMI per 10k

5  
4  
3  
2  
1  
0

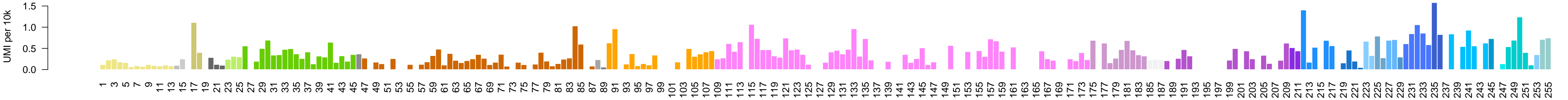
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SMAD\_MH1.HG1.9:SMAD2/SMAD3  
Hhon\_g06533.t1



SMAD\_MH1.HG1.9:SMAD2/SMAD3  
Hhon\_g11830.t1

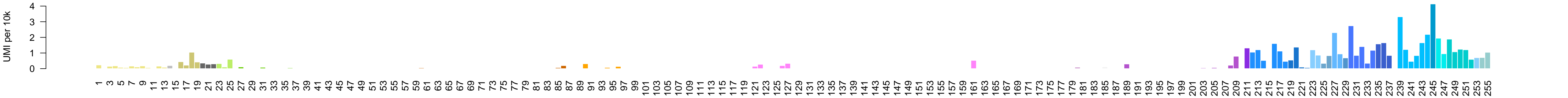


STAT.HG1.0:like:STAT1/STAT2/STAT3/STAT4/STAT5A/STAT5B/STAT6

Hhon\_g00368.t1

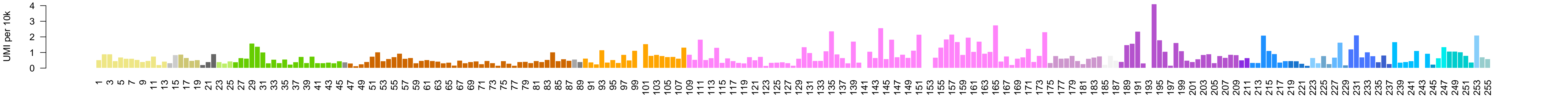


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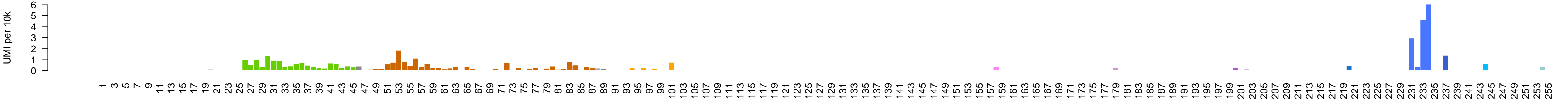
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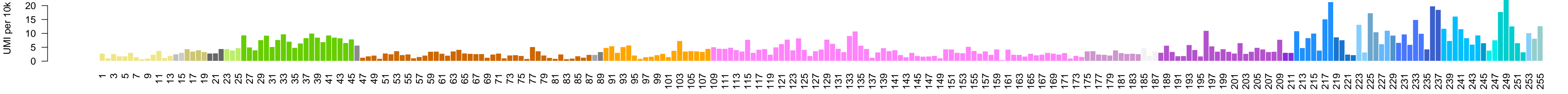




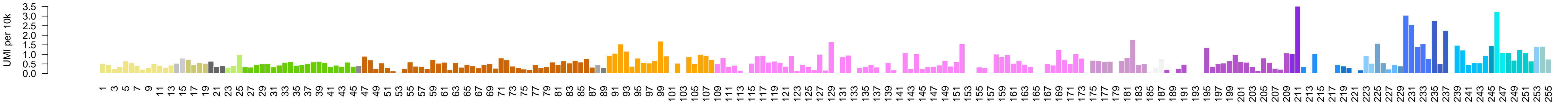
T-box.HG1.1:TBX19/TBXT  
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T-box.HG1.14:TBX2/TBX3  
Hhon\_g06969.t1

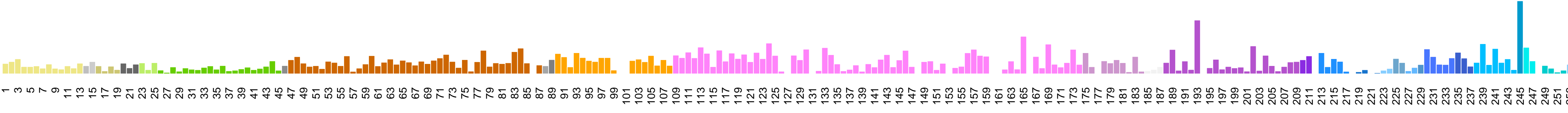
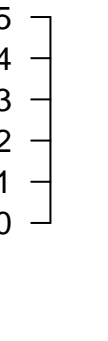


TBP.HG1.4:TBP/TBPL2  
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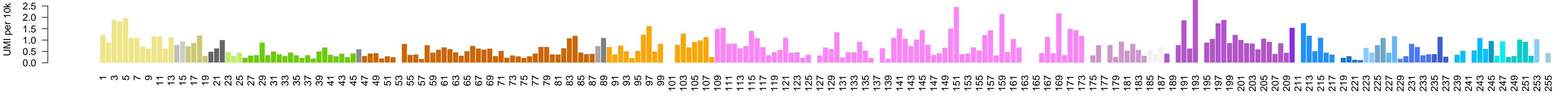


TEA.HG1.1:TEAD1/TEAD2/TEAD3/TEAD4  
Hhon\_g08923.t1

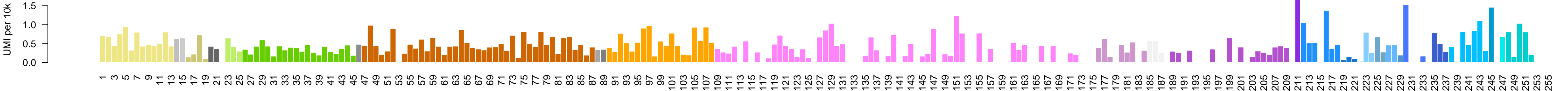
UMI per 10k



Tesmin\_TSO1-like.HG1.2:LIN54/TESMIN  
Hhon\_g05974.t1



TFIIA.HG1.0:GTF2A1/GTF2A1L/STON1-GTF2A1L  
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UMI per 10k

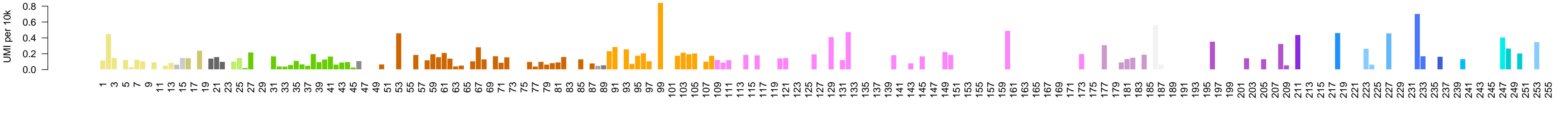
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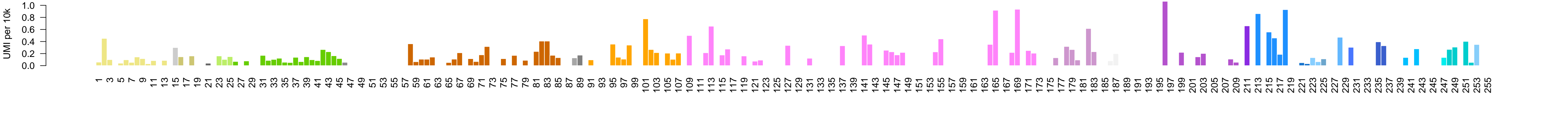
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TFIIB.HG1.1:like:GTF2B  
Hhon\_g09610.t1



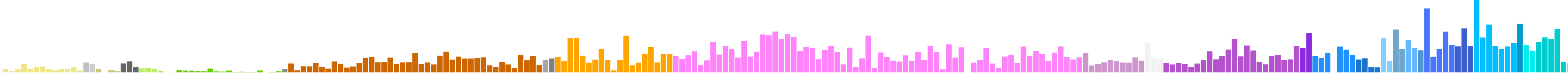
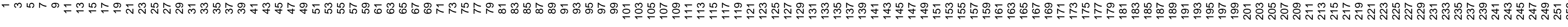
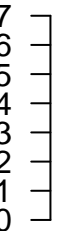


THAP\_finger.Unclassified  
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Tub.HG1.4:TUB/TULP3  
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UMI per 10k

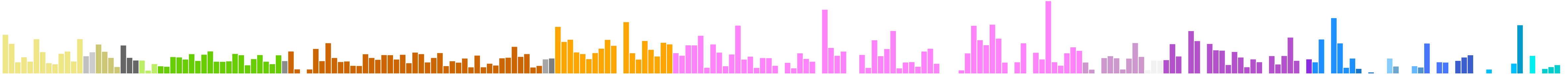


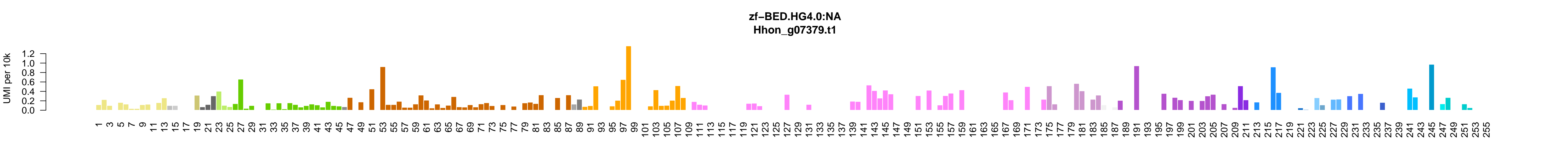
UMI per 10k

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YL1.HG1.0:VPS72  
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zf-C2H2.HG1.107:GFI1/GFI1B  
Hhon\_g01580.t1

UMI per 10k

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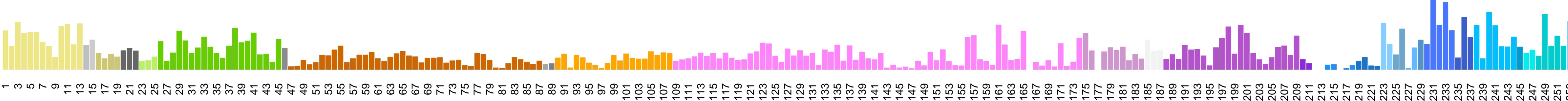
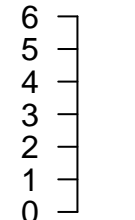
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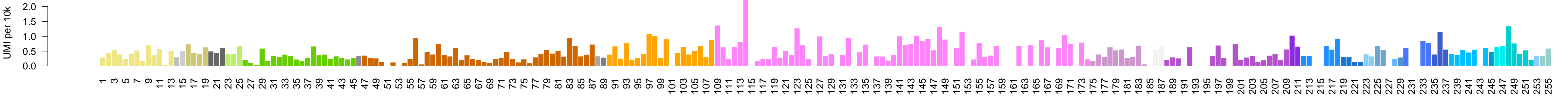
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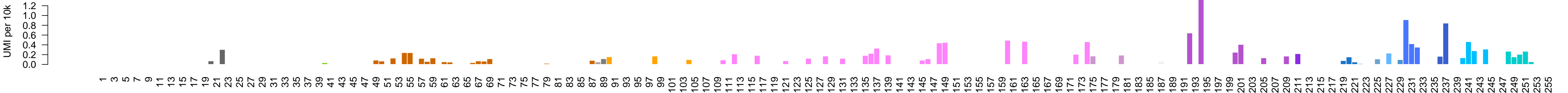
UMI per 10k



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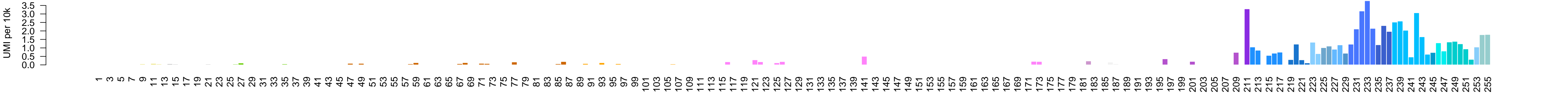


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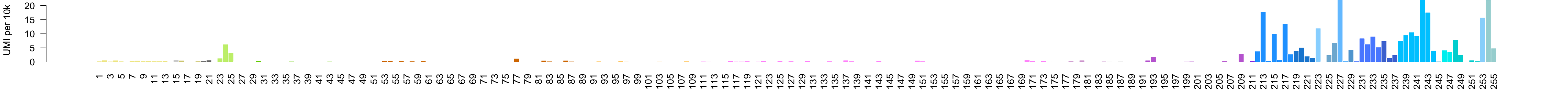




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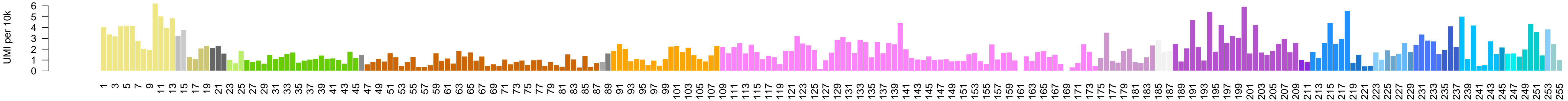
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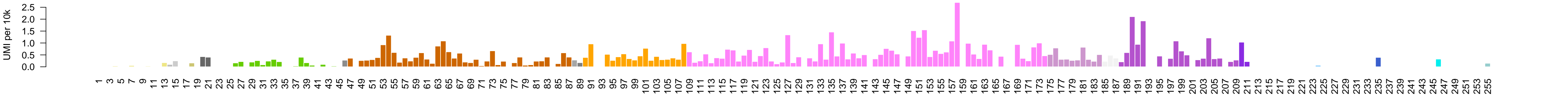
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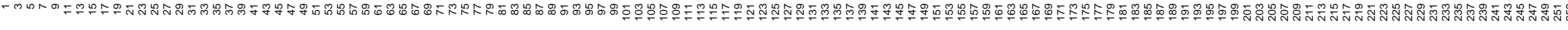
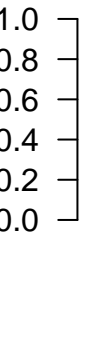


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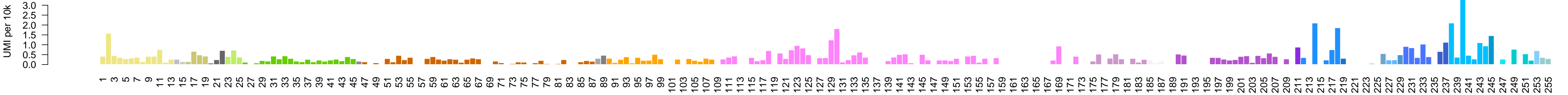


zf-C2H2.HG2.9:ZBTB34  
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UMI per 10k



zf-C2H2.HG22.1:ZBTB39/ZNF540  
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zf-C2H2.HG22.2:FEZF1/FEZF2;zf-met.HG1.53:like:PRDM12

Hhon\_g02945.t1

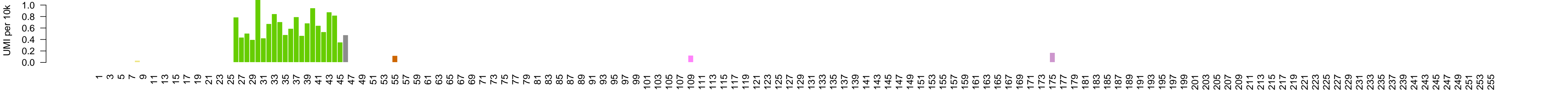
UMI per 10k

12  
10  
8  
6  
4  
2  
0

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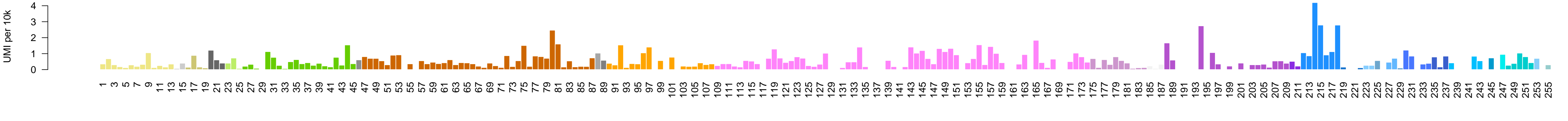
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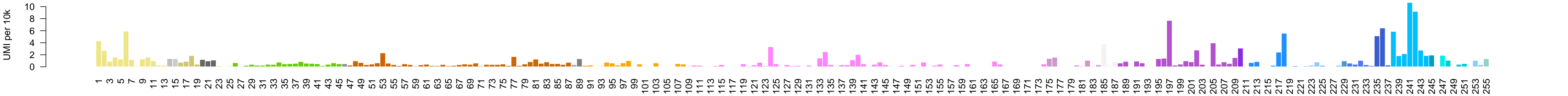


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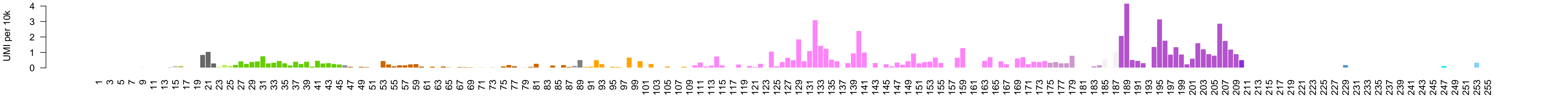
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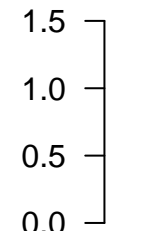
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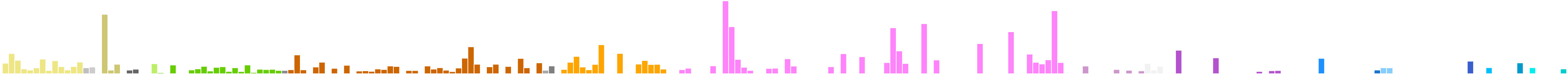
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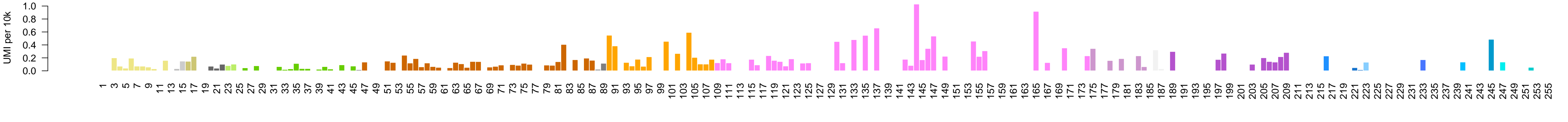
UMI per 10k



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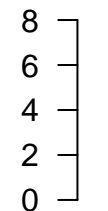


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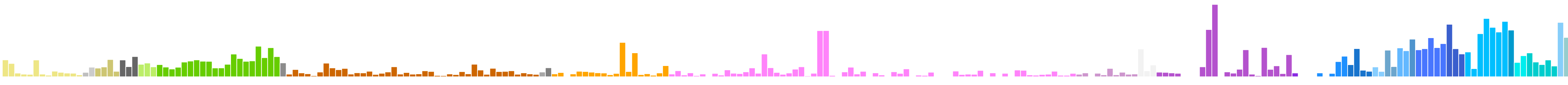


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UMI per 10k



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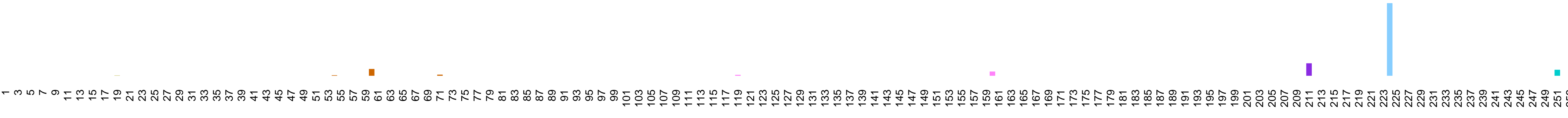




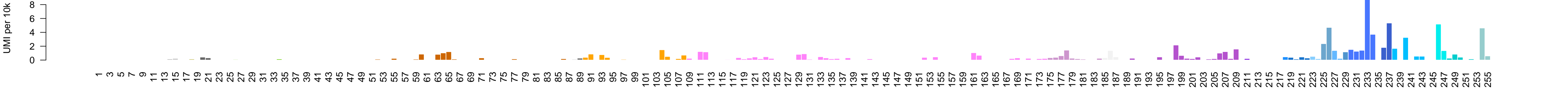
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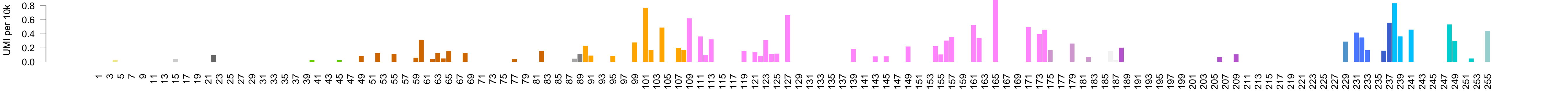
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UMI per 10k

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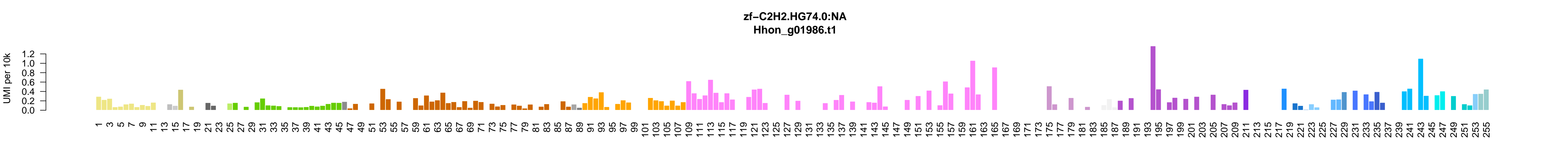
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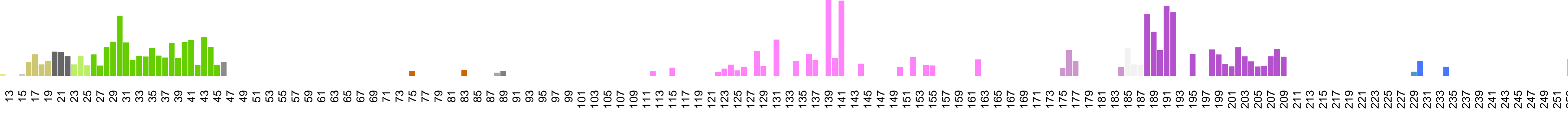
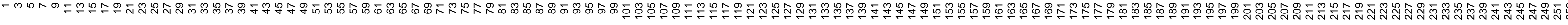
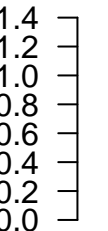
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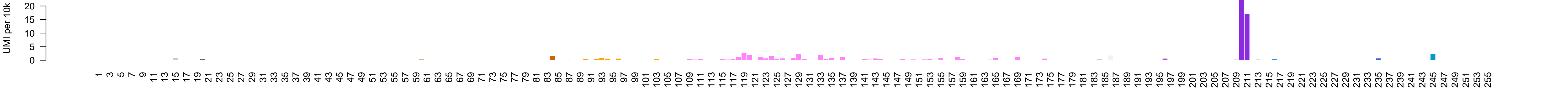
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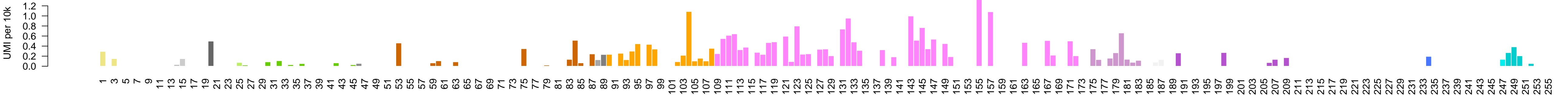
UMI per 10k



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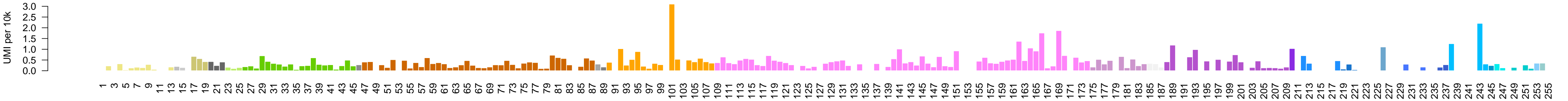


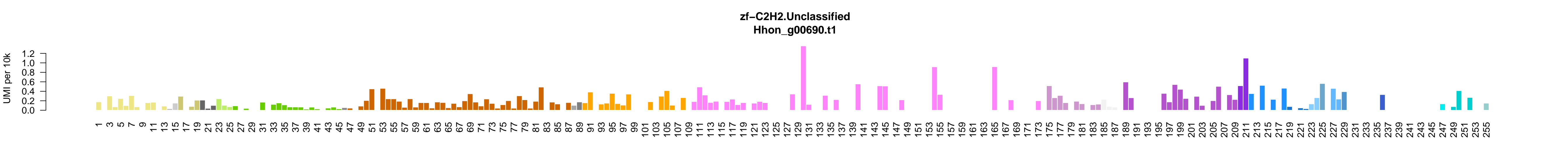
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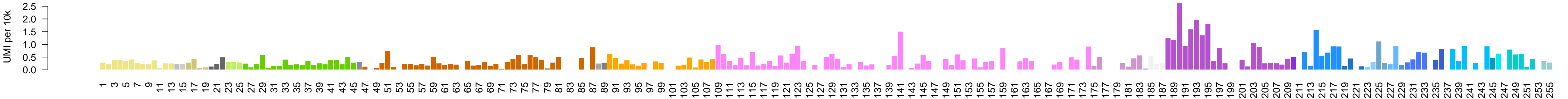


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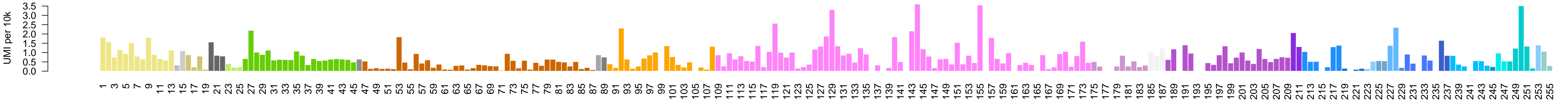




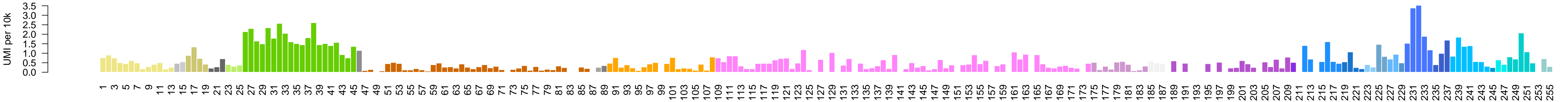
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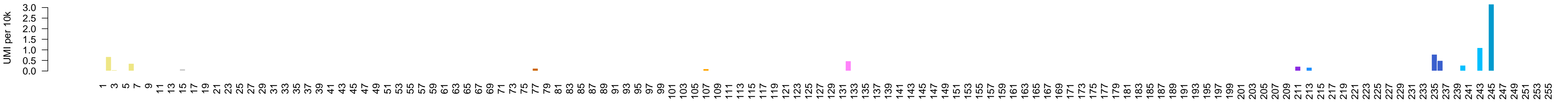
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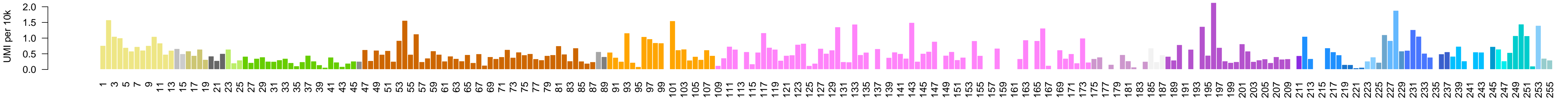
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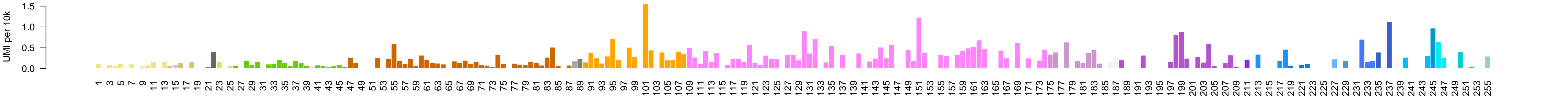
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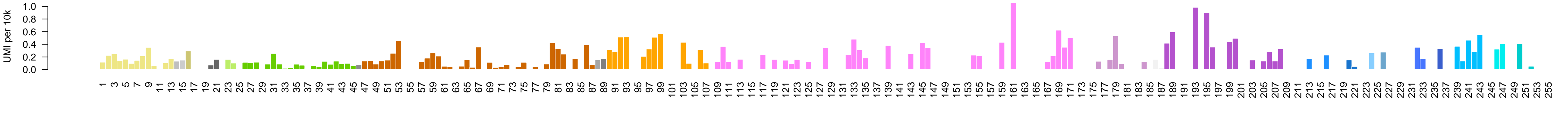


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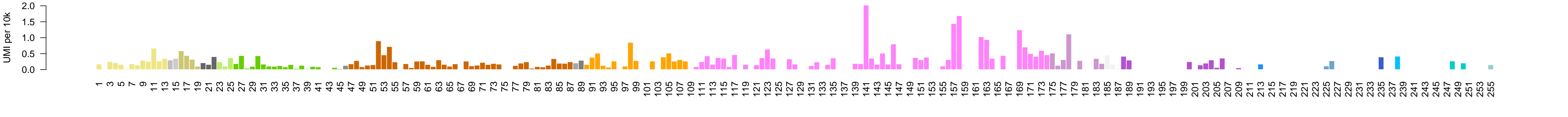




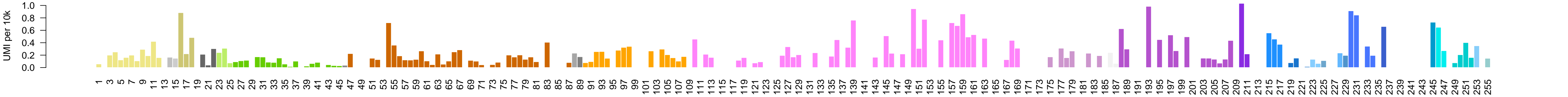
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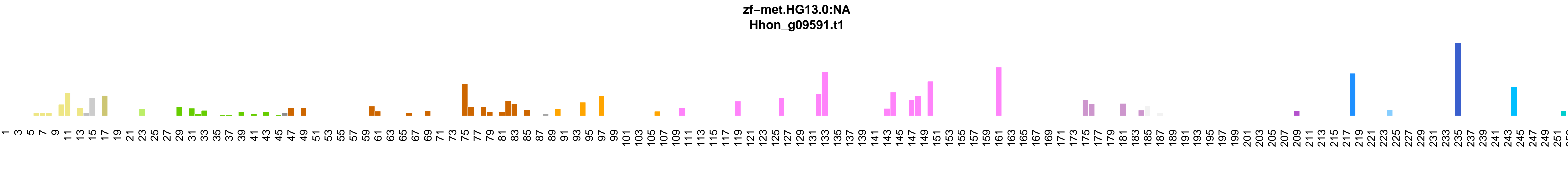


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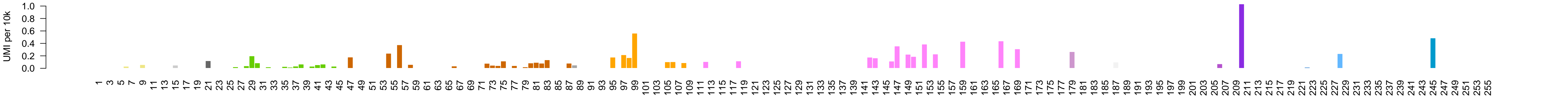


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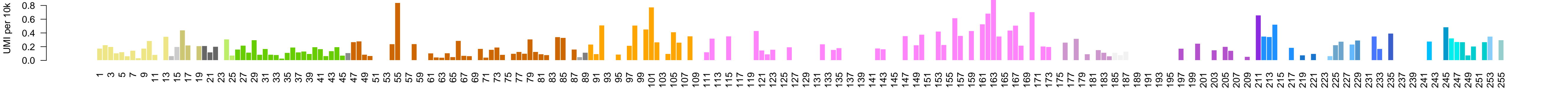
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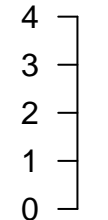
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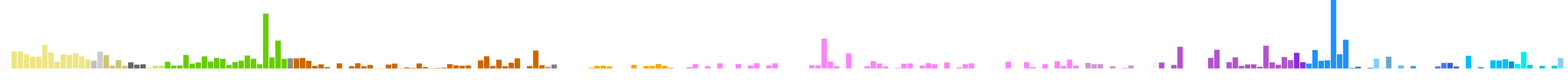


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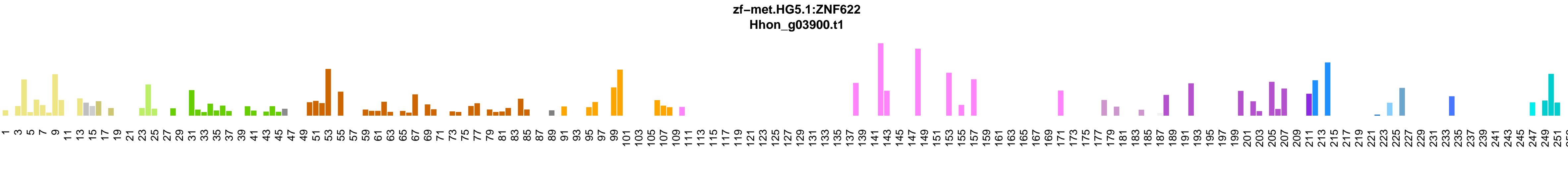
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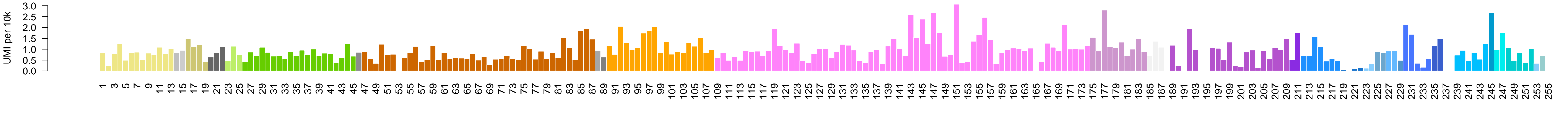
UMI per 10k

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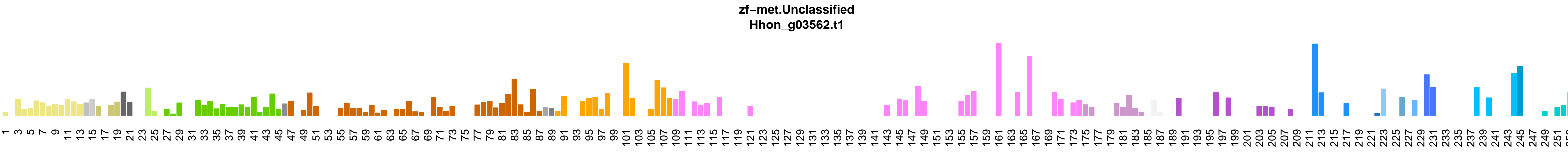
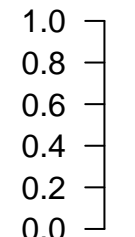




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UMI per 10k



zf-MIZ.HG1.2:like:PIAS1/PIAS2/PIAS3/PIAS4  
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