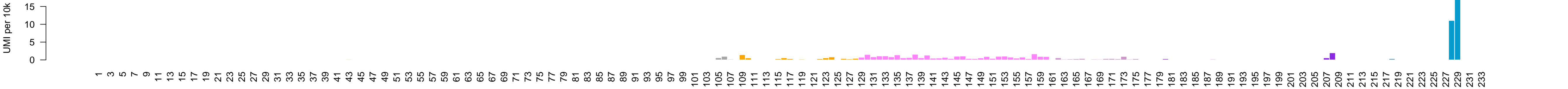
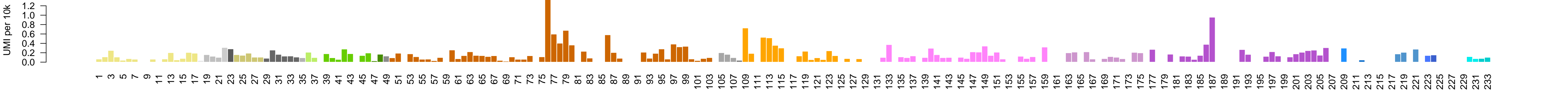


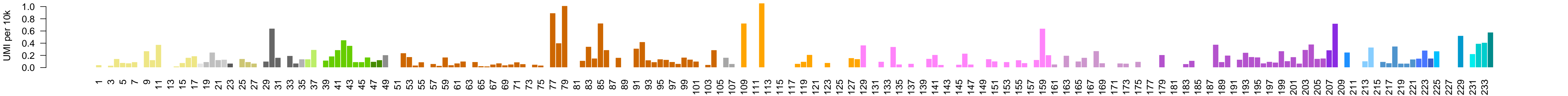
AP-2.HG1.2:TFAP2A/TFAP2B/TFAP2C/TFAP2D/TFAP2E  
HoiH23\_PIH23\_003808



ARID\_BRIGHT.HG1.0:ARID2;RFX.HG1.1:ARID2  
HoiH23\_PIH23\_002172

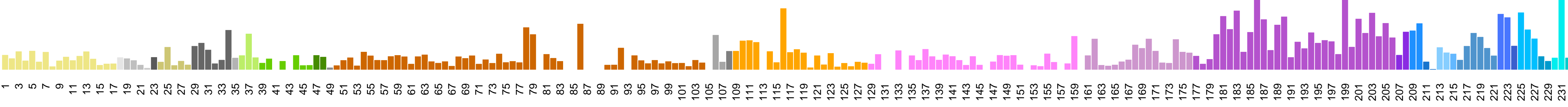
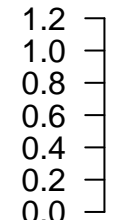


ARID\_BRIGHT.HG1.3:ARID1A/ARID1B/ARID3A/ARID3B/ARID3C  
HoiH23\_PIH23\_000296

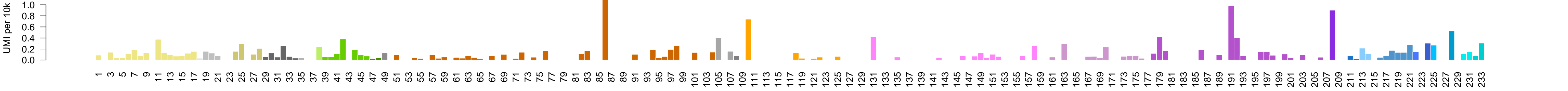


ARID\_BRIGHT.HG1.6:ARID5A/ARID5B  
HoiH23\_PIH23\_003769

UMI per 10k

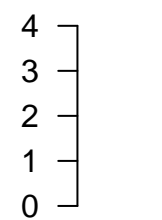


ARID\_BRIGHT.HG1.7:JARID2  
HoiH23\_PIH23\_003334

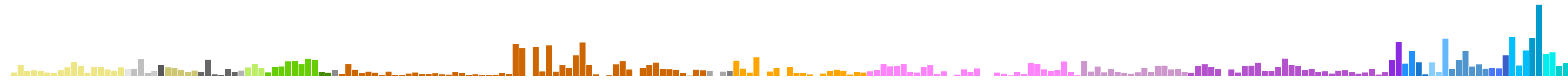


ARID\_BRIGHT.HG1.8:KDM5A/KDM5B/KDM5C/KDM5D  
HoiH23\_PIH23\_004228

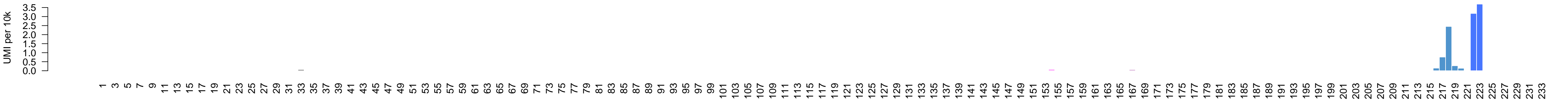
UMI per 10k



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



Brinker.HG1.3:like:POGK  
HoiH23\_PIH23\_004846



bZIP.HG1.1:like:BACH1/BACH2/MAF/MAFA/MAFB/MAFF/MAFG/MAFK/NFE2/NFE2L1/NFE2L2/NFE2L3/NRL

HoiH23\_PIH23\_005699

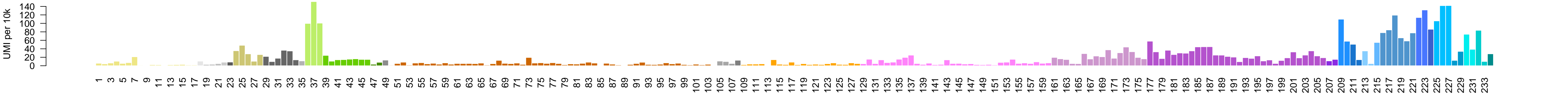
UMI per 10k

3  
2  
1  
0

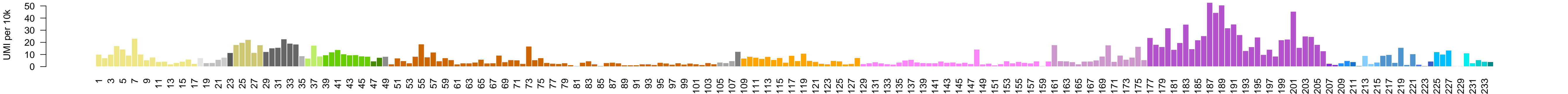
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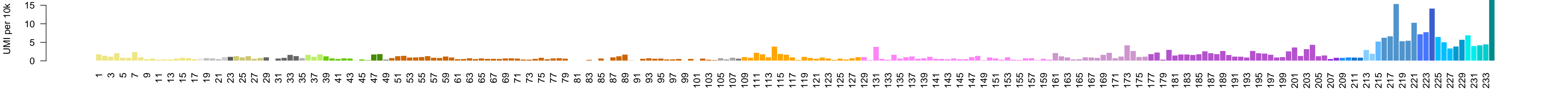
bZIP.HG1.12:FOS/FOSB/FOSL1/FOSL2  
HoiH23\_PIH23\_006937



bZIP.HG1.12:FOS/FOSB/FOSL1/FOSL2  
HoiH23\_PIH23\_006938



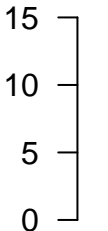
bZIP.HG1.3:MAF/MAFA/MAFB/MAFF/MAFG/MAFK/NRL  
HoiH23\_PIH23\_000708



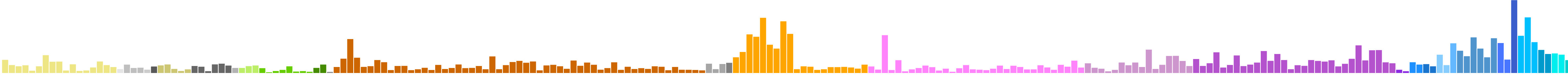
bZIP.HG1.3:MAF/MAFA/MAFB/MAFF/MAFG/MAFK/NRL

HoiH23\_PIH23\_000709

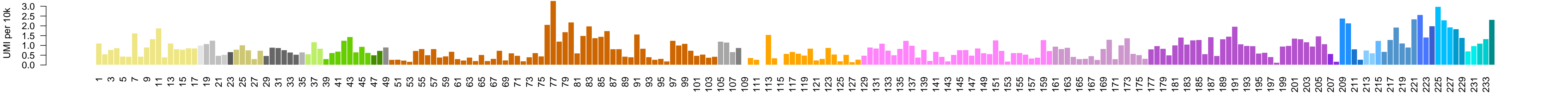
UMI per 10k



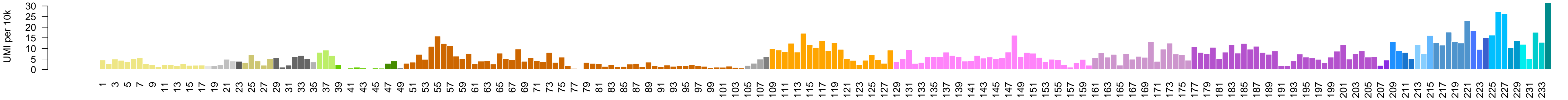
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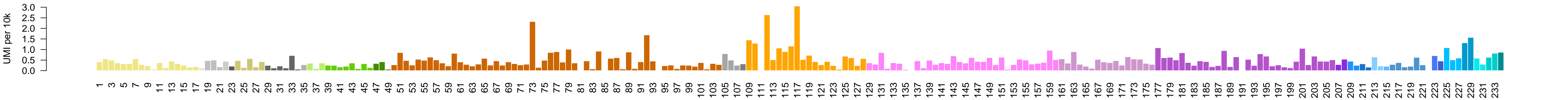
bZIP.HG1.5:BACH1/BACH2/NFE2/NFE2L1/NFE2L2/NFE2L3  
HoiH23\_PIH23\_004499



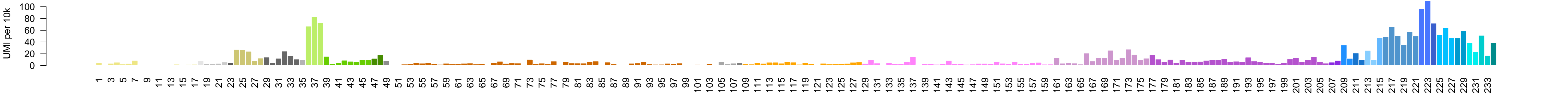
bZIP.HG1.6:ATF4/ATF5  
HoiH23\_PIH23\_009547



**bZIP.HG1.7:ATF2/ATF7/ATF7-NPFF/CREB5**  
**HoiH23\_PIH23\_005856**

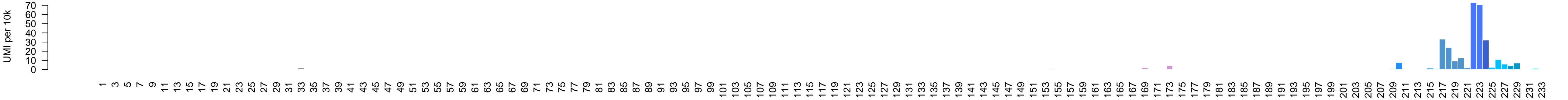


bZIP.HG1.9:JUN/JUNB/JUND  
HoiH23\_PIH23\_002814

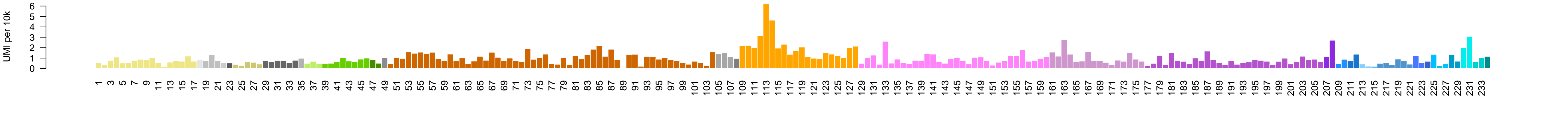




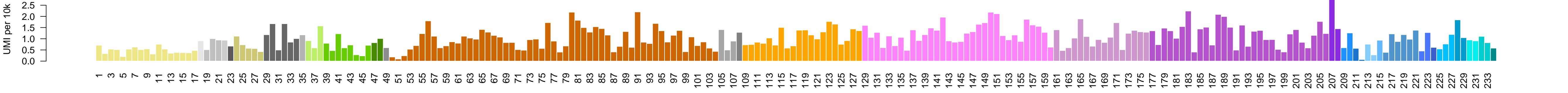
**bZIP.HG2.0:CREBL2**  
**HoiH23\_PIH23\_005117**



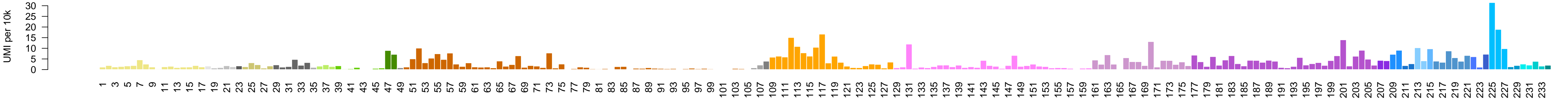
bZIP.HG2.1:ATF6/ATF6B  
HoiH23\_PIH23\_008321



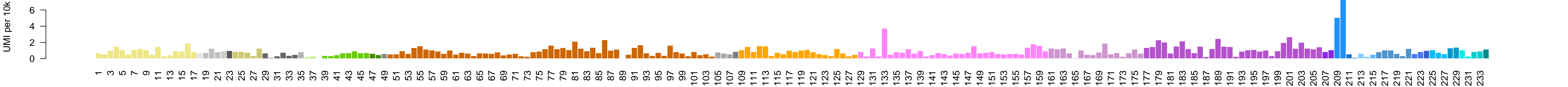
bZIP.HG2.3:ATF1/CREB1/CREM  
HoiH23\_PIH23\_001290



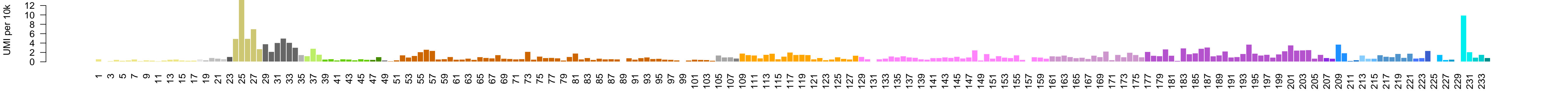
**bZIP.HG2.5:XBP1**  
**HoiH23\_PIH23\_000692**



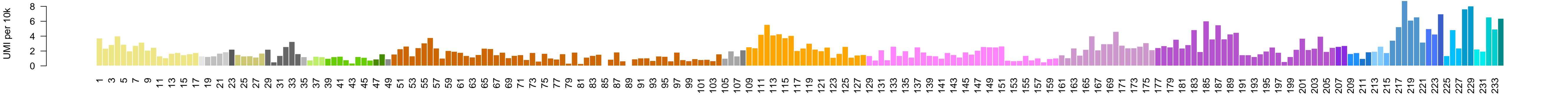
bZIP.HG2.9:CREB3L1/CREB3L2  
HoiH23\_PIH23\_002144



bZIP.HG3.19:like:CEBPG  
HoiH23\_PIH23\_001405

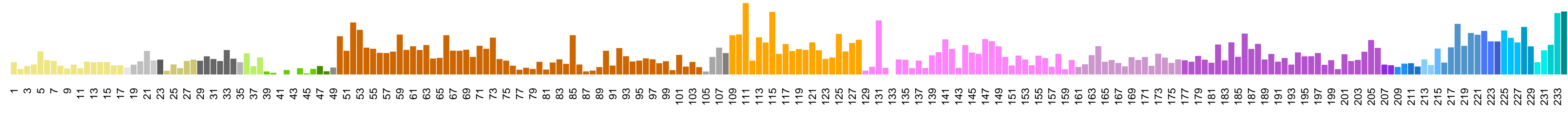
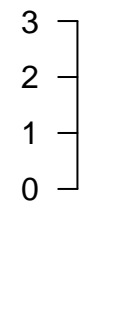


bZIP.HG3.4:like:DBP/HLF/NFIL3/NFILZ/TEF  
HoiH23\_PIH23\_002891



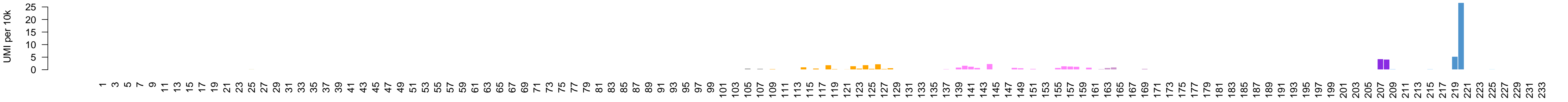
bZIP.HG3.4:like:DBP/HLF/NFIL3/NFILZ/TEF  
HoiH23\_PIH23\_006478

UMI per 10k



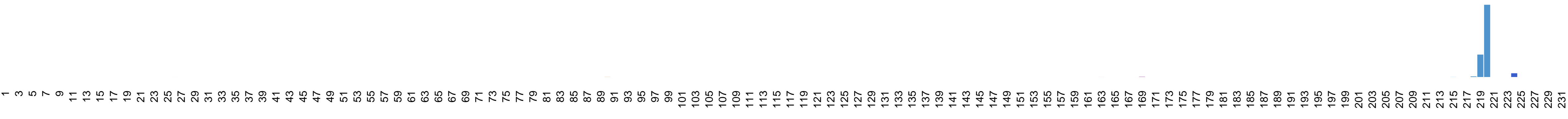
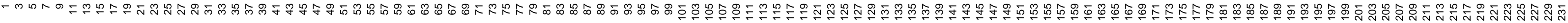
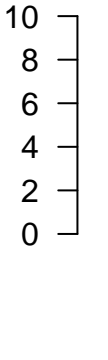


bZIP.HG3.5:DBP/HLF/TEF  
HoiH23\_PIH23\_006175

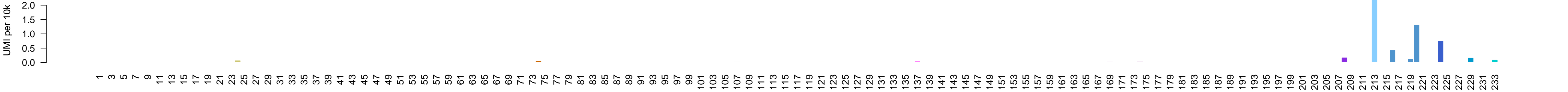


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HoiH23\_PIH23\_006176

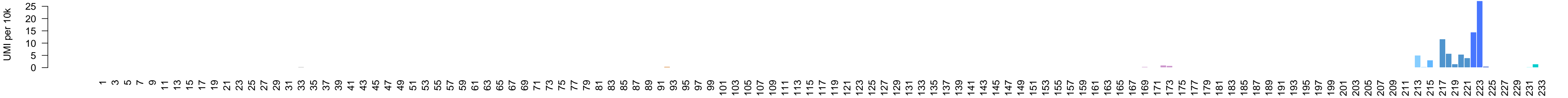
UMI per 10k



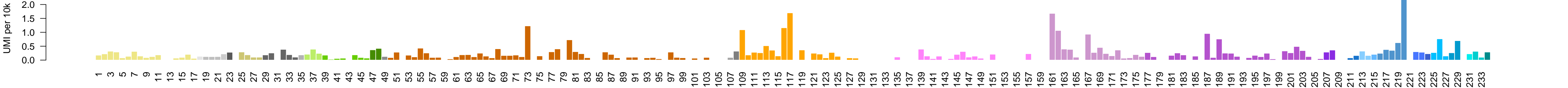
**bZIP.HG3.8:like:NFIL3/NFILZ**  
**HoiH23\_PIH23\_001813**



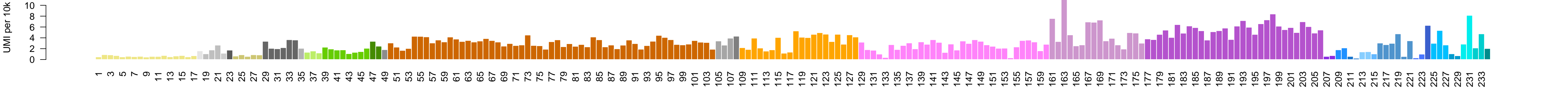
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HoiH23\_PIH23\_004203



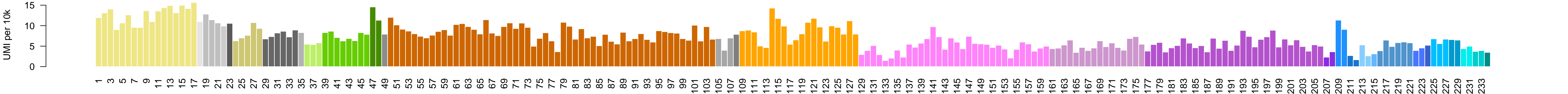
CSD.HG1.0:CSDE1  
HoiH23\_PIH23\_008576



CSD.HG1.4:CARHSP1/CSDC2  
HoiH23\_PIH23\_000175

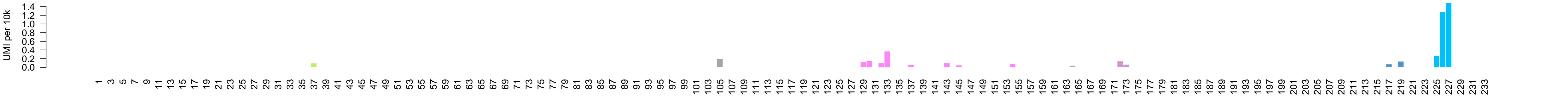


CSD.HG1.6:YBX1/YBX2/YBX3  
HoiH23\_PIH23\_006840



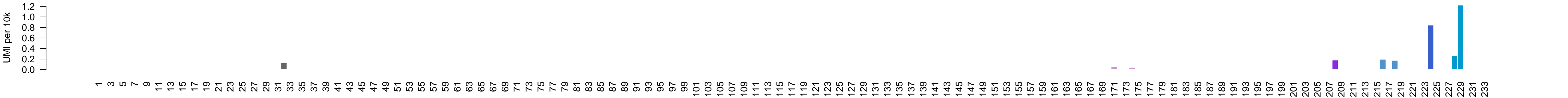
Doublesex\_DM.HG1.14:like:DMRTA1/DMRTA2

HoiH23\_PIH23\_011933

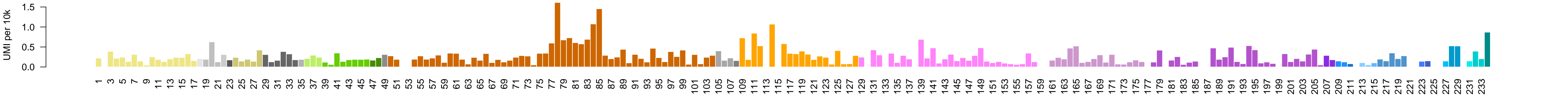




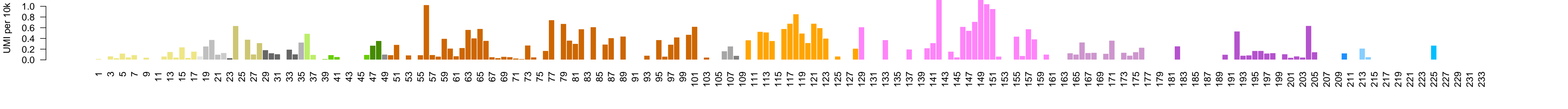
Doublesex\_DM.HG1.15:like:DMRTA1/DMRTA2  
HoiH23\_PIH23\_009668



E2F\_TDP.HG1.1:TFDP1/TFDP2/TFDP3  
HoiH23\_PIH23\_004944



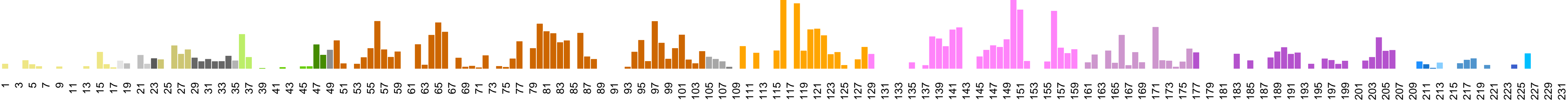
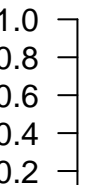
E2F\_TDP.HG1.2:E2F7/E2F8  
HoiH23\_PIH23\_002176



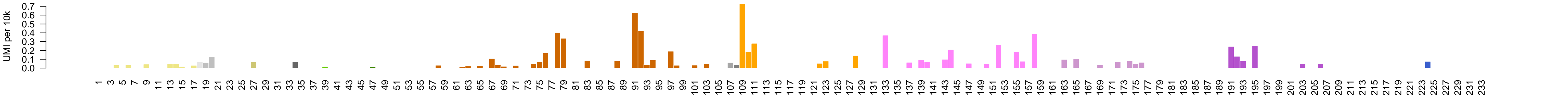
E2F\_TDP.HG1.6:like:E2F1/E2F2/E2F3/E2F4/E2F5/E2F6

HoiH23\_PIH23\_003820

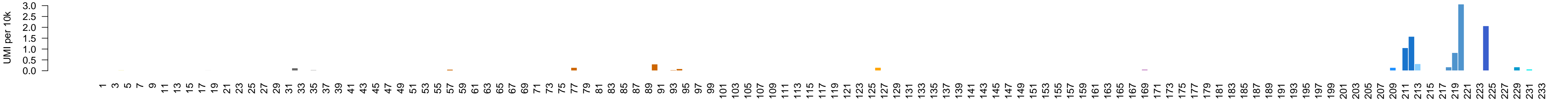
UMI per 10k



E2F\_TDP.HG1.9:E2F4/E2F5  
HoiH23\_PIH23\_008043

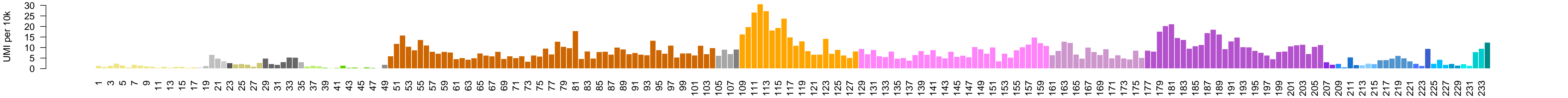


Ets.HG1.1:ETS1/ETS2/ETV2  
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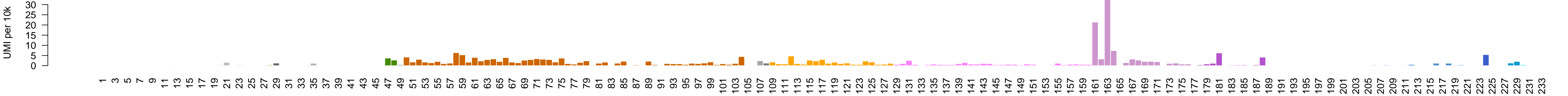


Ets.HG1.14:like:AC020909.1/EHF/ELF1/ELF2/ELF3/ELF4/ELF5/ETV6/ETV7/SPDEF/SPI1/SPIB/SPIC

HoiH23\_PIH23\_005363



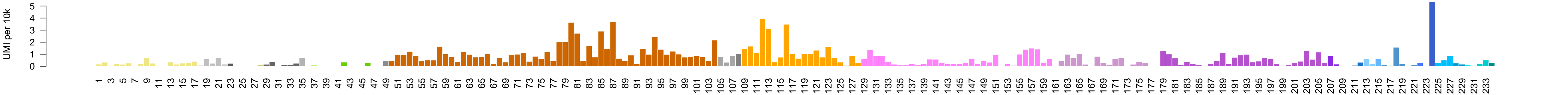
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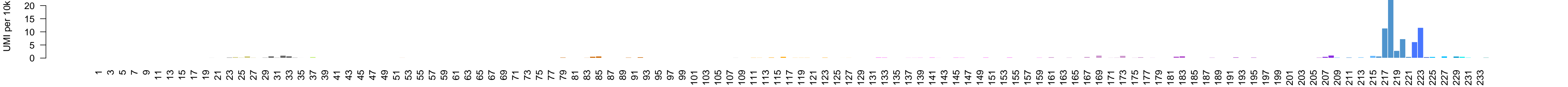


Ets.HG1.16:AC020909.1/EHF/ELF1/ELF2/ELF3/ELF4/ELF5/SPDEF/SPI1/SPIB/SPIC

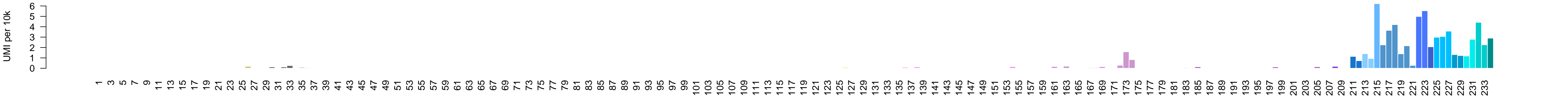
HoiH23\_PIH23\_005362



Ets.HG1.3:GABPA  
HoiH23\_PIH23\_009665



Ets.HG1.4:ERF/ERFL/ERG/ETV3/ETV3L/FEV/FLI1  
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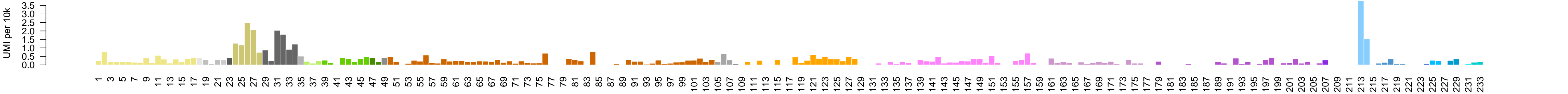


Ets.HG1.9:ETV1/ETV4/ETV5  
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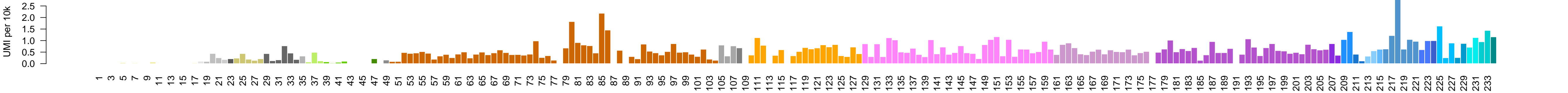


FOXB1/FOXB2/FOXC1/FOXC2/FOXD1/FOXD2/FOXD3/FOXD4/FOXD4L1/FOXD4L3/FOXD4L4/FOXD4L5/FOXD4L6/FOXE1/FOXE3/FOXF1/FOXF2/FOXG1/FOXH1/FOXI1/FOXI2/FOXI3/FOXJ1/FOXJ2/FOXJ3/FO XK1/FOXK2/FOXL1/FOXL2/FOXL3/FOXM1/FOXN1/FOXN2/FOXN3/FOXN4/FOXO1/FOXO3/FOXO3B/FOXO4/FOX

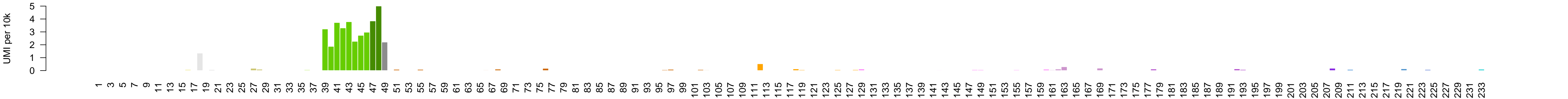
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Forkhead.HG1.10:FOXJ2/FOXJ3  
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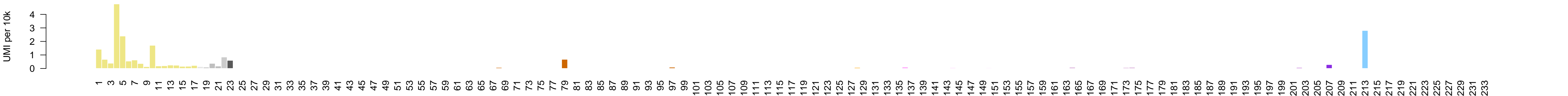


Forkhead.HG1.13:FOXC1/FOXC2/FOXL1/FOXS1  
HoiH23\_PIH23\_009379



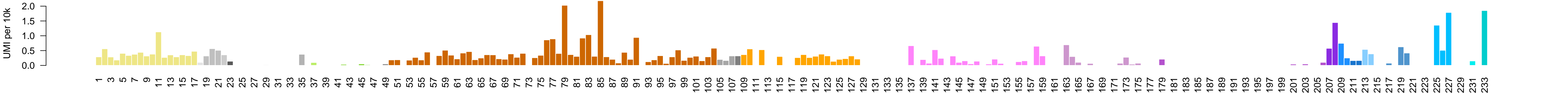
Forkhead.HG1.14:FOXA1/FOXA2/FOXA3/FOXB1/FOXB2/FOXD1/FOXD2/FOXD3/FOXD4/FOXD4L1/FOXD4L3/FOXD4L4/FOXD4L5/FOXD4L6/FOXE1/FOXE3

HoiH23\_PIH23\_000554



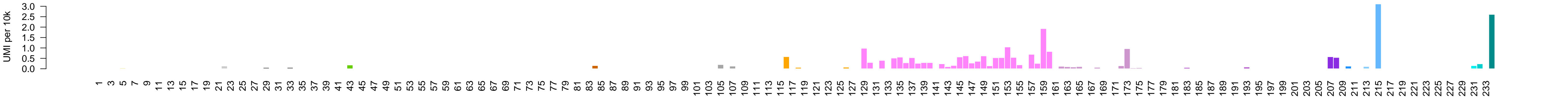


Forkhead.HG1.14:FOXA1/FOXA2/FOXA3/FOXB1/FOXB2/FOXD1/FOXD2/FOXD3/FOXD4/FOXD4L1/FOXD4L3/FOXD4L4/FOXD4L5/FOXD4L6/FOXE1/FOXE3  
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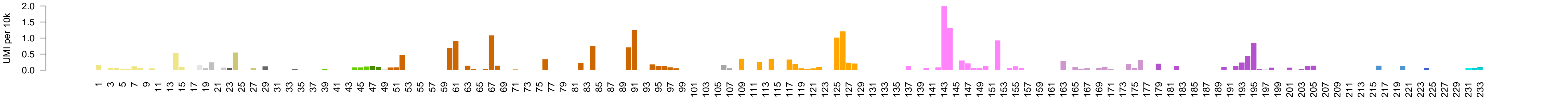


Forkhead.HG1.14:FOXA1/FOXA2/FOXA3/FOXB1/FOXB2/FOXD1/FOXD2/FOXD3/FOXD4/FOXD4L1/FOXD4L3/FOXD4L4/FOXD4L5/FOXD4L6/FOXE1/FOXE3

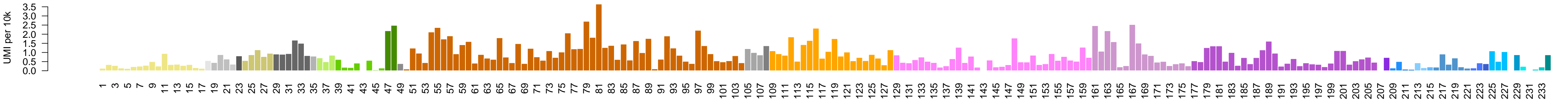
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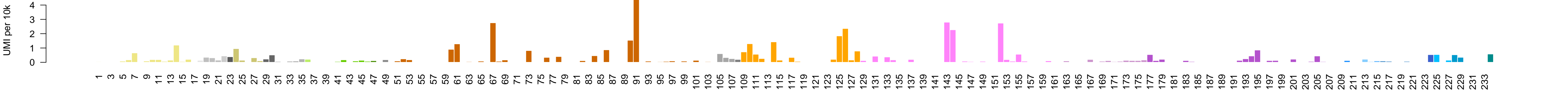
Forkhead.HG1.15:FOXM1  
HoiH23\_PIH23\_002403



Forkhead.HG1.21:FOXQ1  
HoiH23\_PIH23\_009380

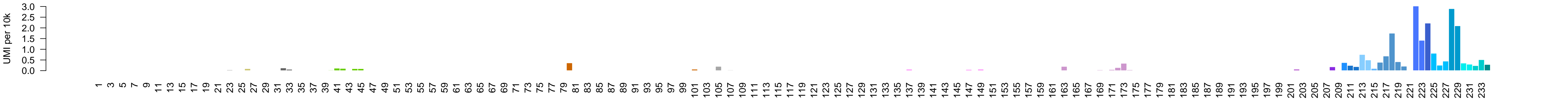


Forkhead.HG1.24:FOXN1/FOXN4/FOXR1/FOXR2  
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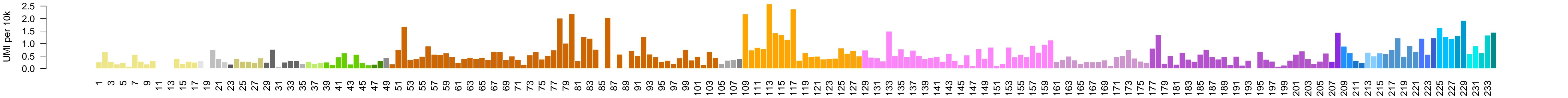




Forkhead.HG1.31:AC097634.4/FOXP1/FOXP2/FOXP3/FOXP4  
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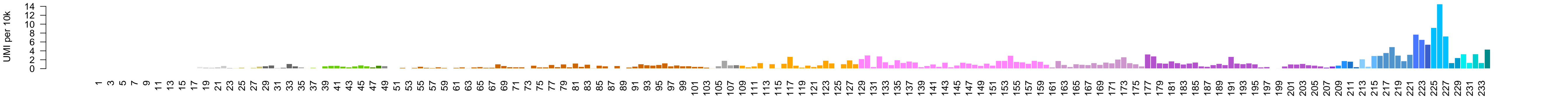


Forkhead.HG1.33:FOXO1/FOXO3/FOXO3B/FOXO4/FOXO6  
HoiH23\_PIH23\_008008

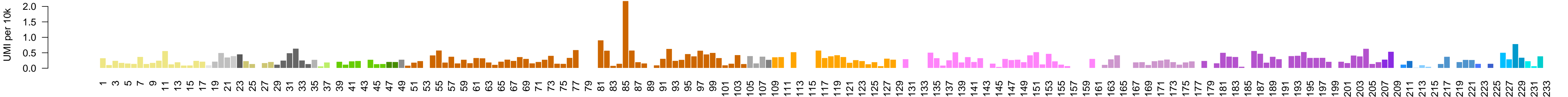




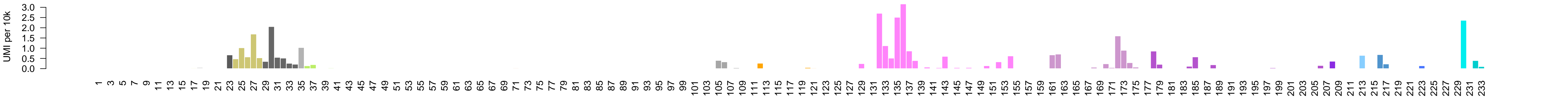
Forkhead.HG1.5:FOXJ1  
HoiH23\_PIH23\_000096



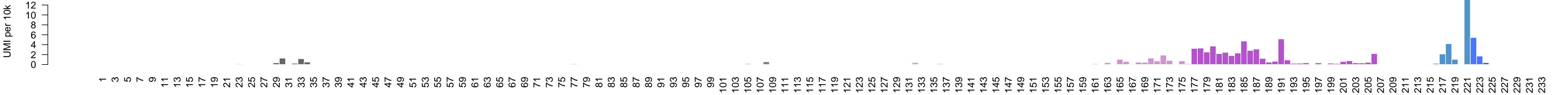
Forkhead.HG1.6:FO XK1/FO XK2  
HoiH23\_PIH23\_009490



Forkhead.HG1.8:FOXG1  
HoiH23\_PIH23\_004570



Forkhead.HG1.8:FOXG1  
HoiH23\_PIH23\_010243



GATA.HG1.14:GATA4/GATA5/GATA6  
HoiH23\_PIH23\_000356

UMI per 10k

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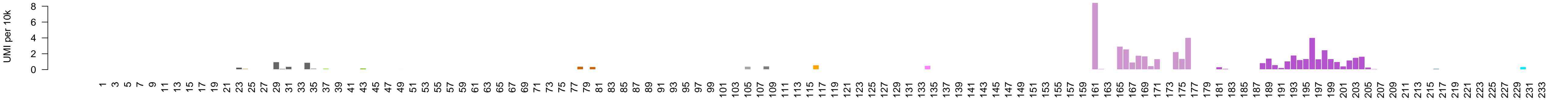
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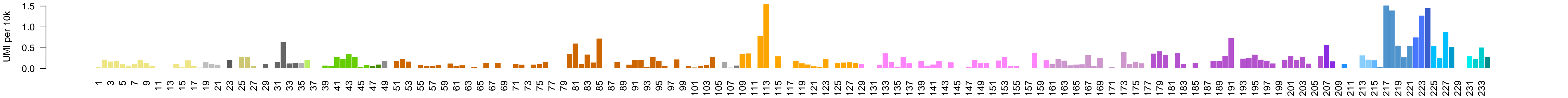
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GATA.HG1.7:like:TRPS1  
HoiH23\_PIH23\_000224



HLH.HG1.0:ARNT/ARNT2/ARNTL/ARNTL2  
HoiH23\_PIH23\_000541

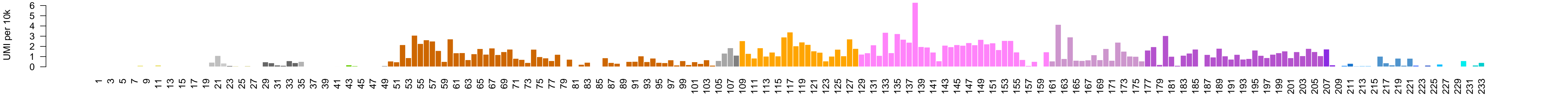


HLH.HG1.11:BHLHE40/BHLHE41/HELT  
HoiH23\_PIH23\_005930

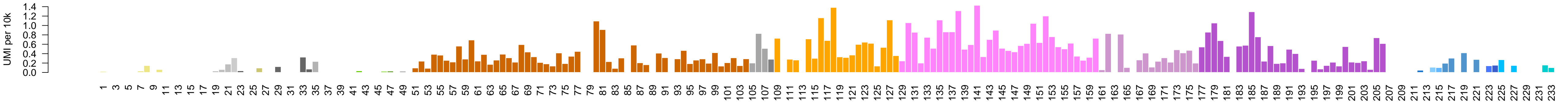




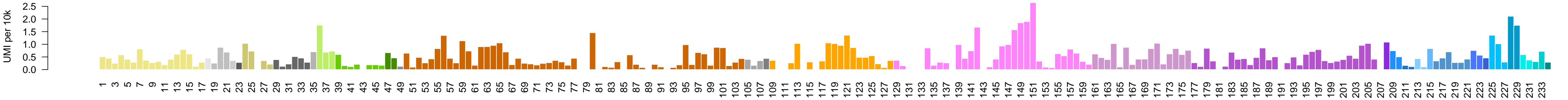
HLH.HG1.12:HEY1/HEY2/HEYL  
HoiH23\_PIH23\_007465



HLH.HG1.13:HES1/HES2/HES3/HES4/HES5/HES6/HES7  
HoiH23\_PIH23\_001374

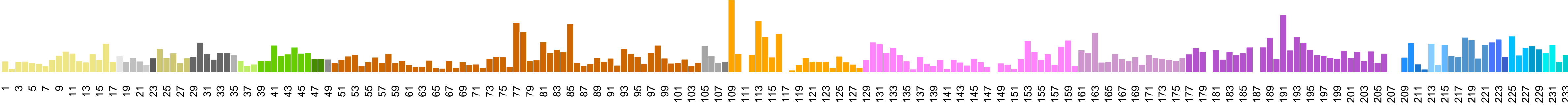
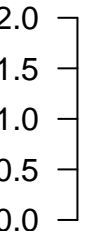


HLH.HG1.23:USF1/USF2  
HoiH23\_PIH23\_010122

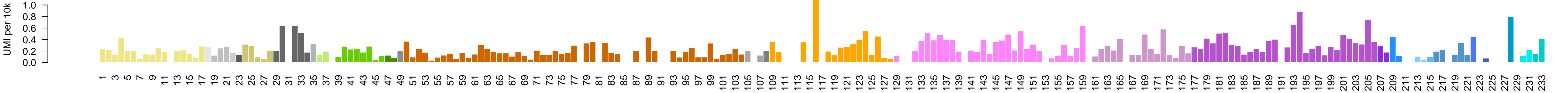


HLH.HG1.27:MLXIP/MLXIPL  
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UMI per 10k

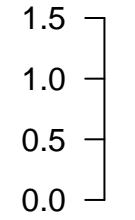


HLH.HG1.28:MLX  
HoiH23\_PIH23\_001017

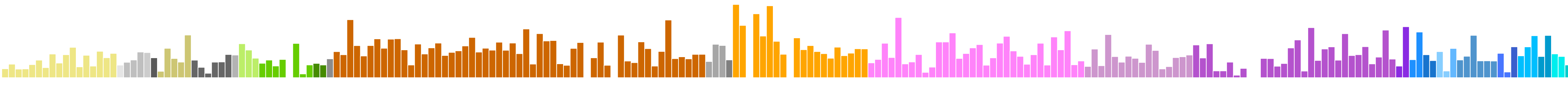


HLH.HG1.32:MAX  
HoiH23\_PIH23\_004867

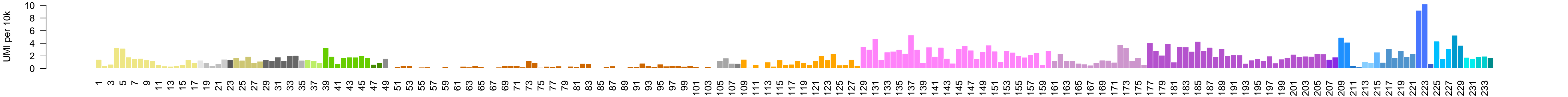
UMI per 10k



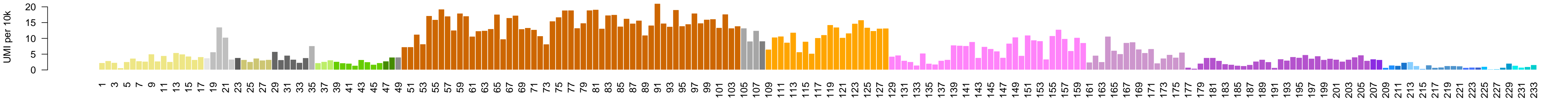
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HLH.HG1.36:MXD1/MXD3/MXD4/MXI1  
HoiH23\_PIH23\_007692



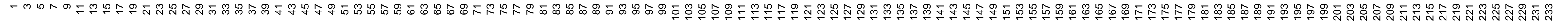
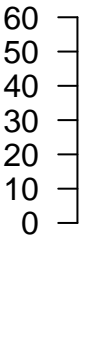
HLH.HG1.39:MYC/MYCL/MYCN  
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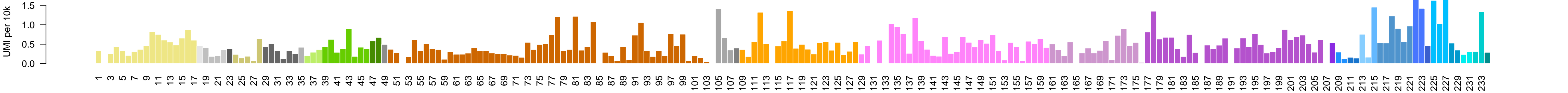


HLH.HG1.45:AC019117.3/AHR/AHRR  
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UMI per 10k

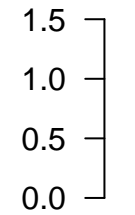


HLH.HG1.6:SREBF1/SREBF2  
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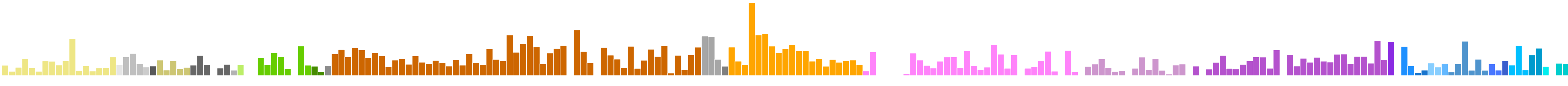


HLH.HG1.7:MITF/TFE3/TFEB/TFEC  
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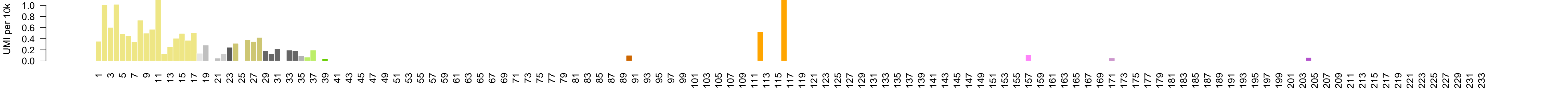
UMI per 10k



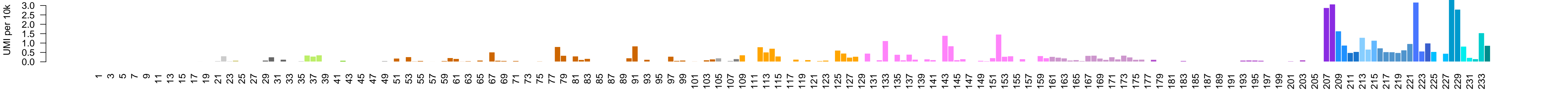
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HLH.HG2.2:TFAP4  
HoiH23\_PIH23\_010554

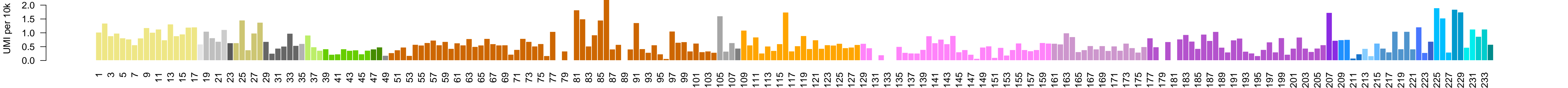


HLH.HG2.20:TCF3/TCF4/TCF12  
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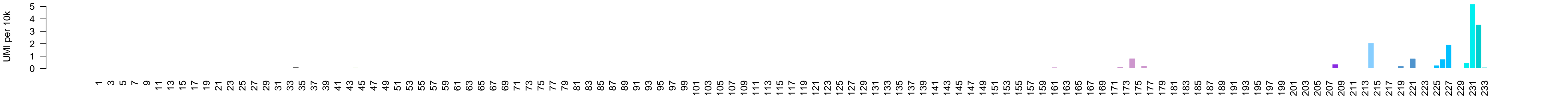


HLH.HG2.26:like:ATOH1/ATOH7/ATOH8/BHLHA9/BHLHA15/BHLHE22/BHLHE23/NEUROD1/NEUROD2/NEUROD4/NEUROD6/NEUROG1/NEUROG2/NEUROG3/OLIG1/OLIG2/OLIG3

HoiH23\_PIH23\_005488

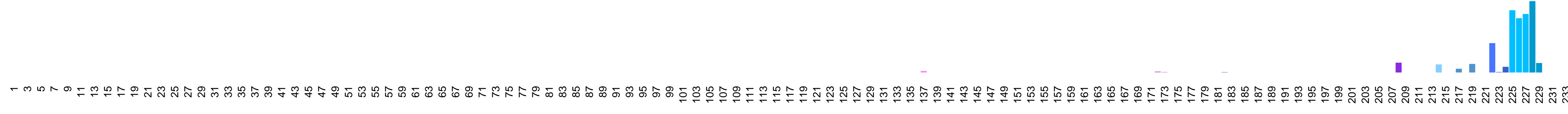
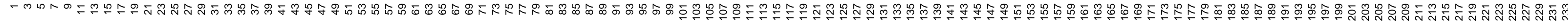
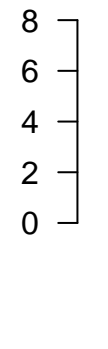


HLH.HG2.31:like:ASCL1/ASCL2/ASCL3/ASCL4/ASCL5  
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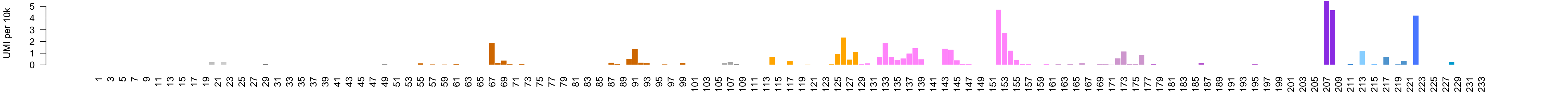
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UMI per 10k

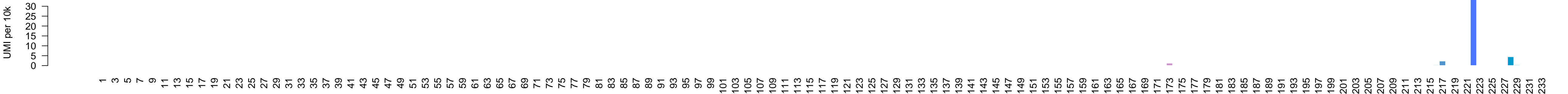




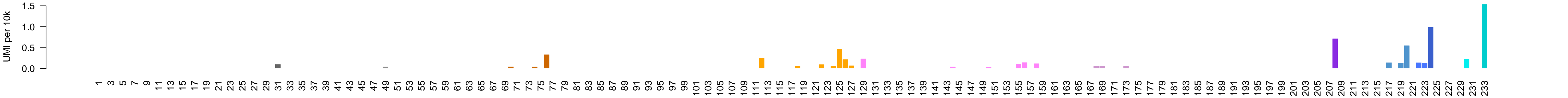
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HLH.HG2.35:like:ASCL3/ASCL4/ASCL5  
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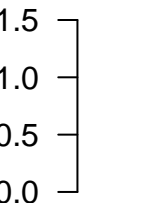


HLH.HG2.36:ASCL3/ASCL4/ASCL5  
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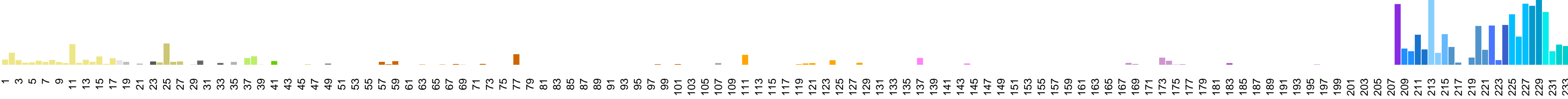


HLH.HG2.37:like:FERD3L/PTF1A  
HoiH23\_PIH23\_002459

UMI per 10k



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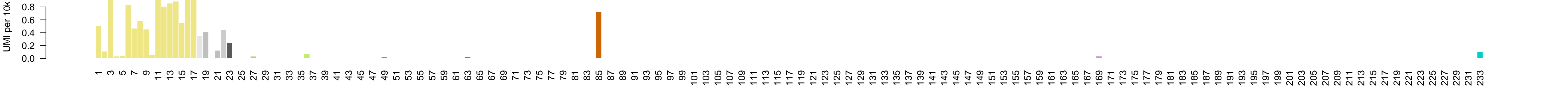
UMI per 10k

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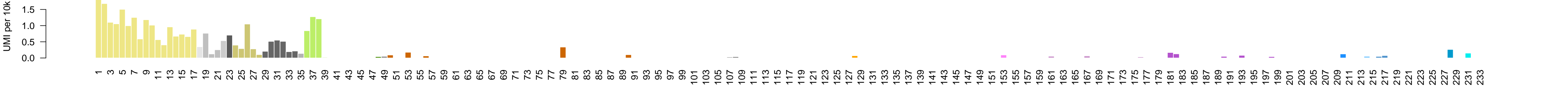
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HLH.HG2.48:NEUROD1/NEUROD2/NEUROD4/NEUROD6  
HoiH23\_PIH23\_001303



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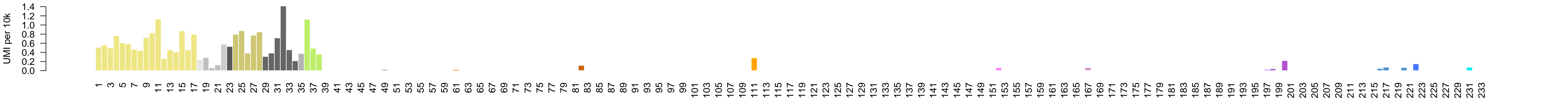


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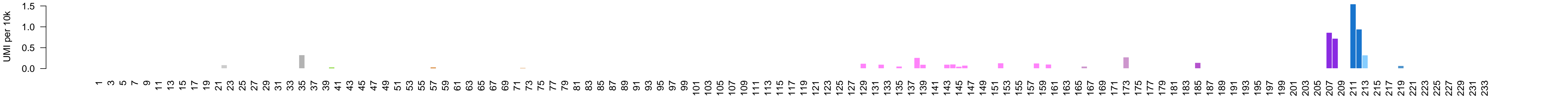




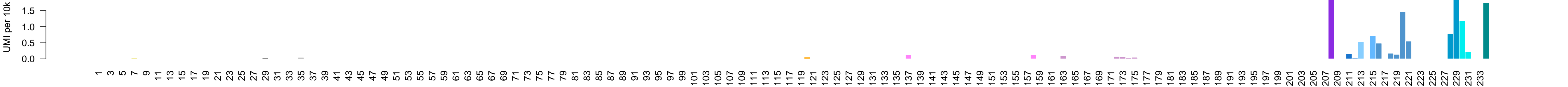
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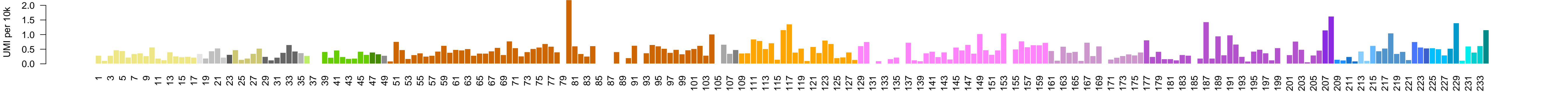
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HLH.HG3.0:EBF1/EBF2/EBF3/EBF4  
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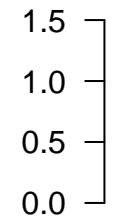


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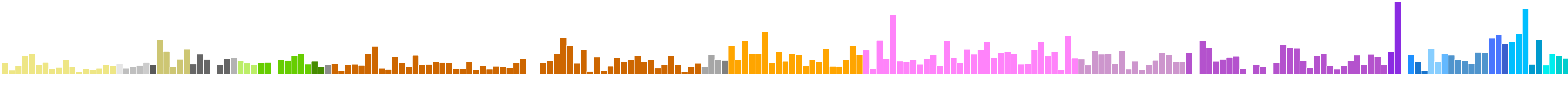


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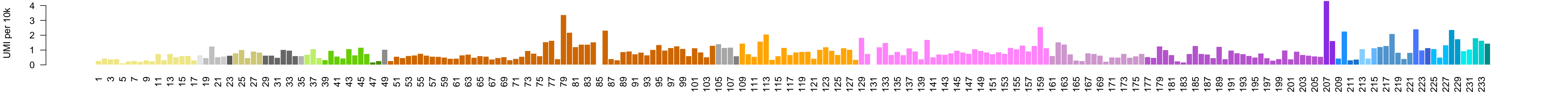
UMI per 10k



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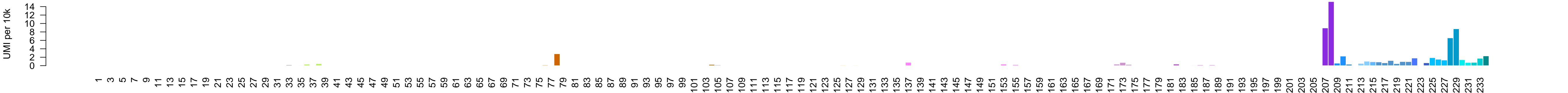


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HoiH23\_PIH23\_006133





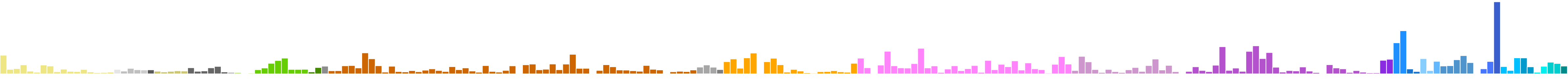
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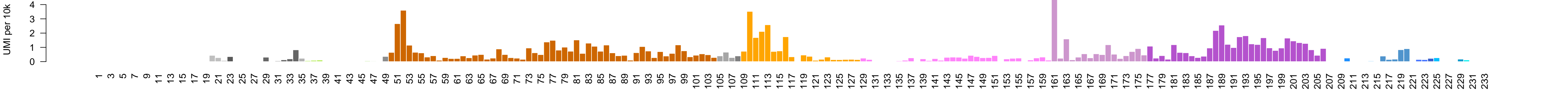
UMI per 10k

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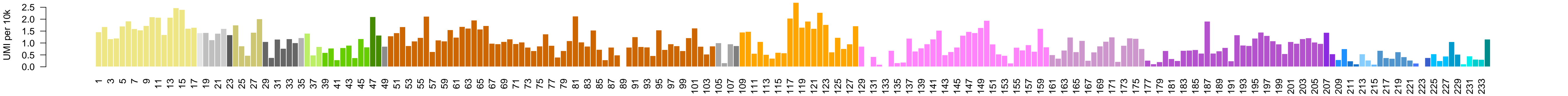
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HMGbox\_Sox.HG1.3:LEF1/TCF7/TCF7L1/TCF7L2  
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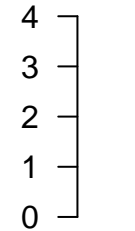


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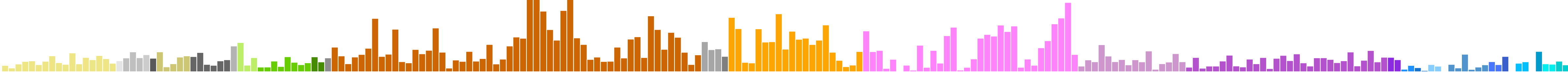


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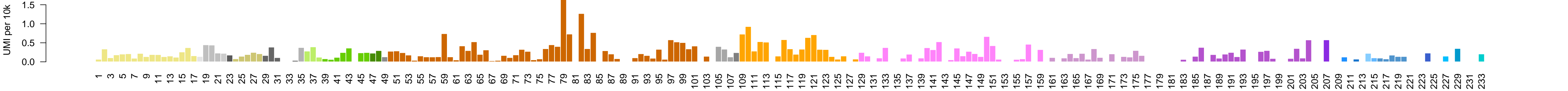
UMI per 10k



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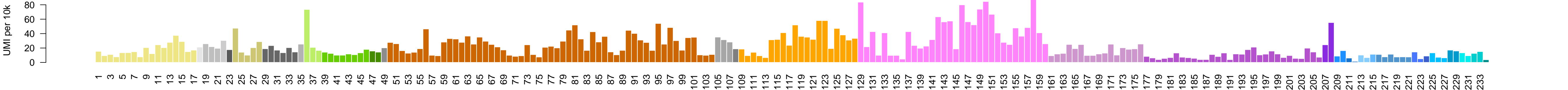


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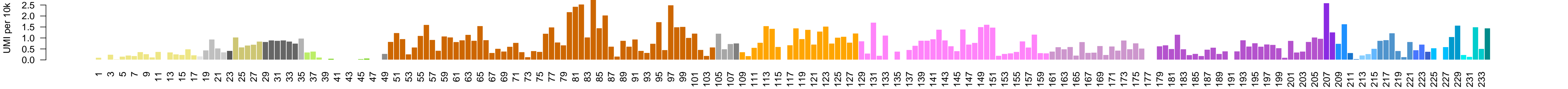


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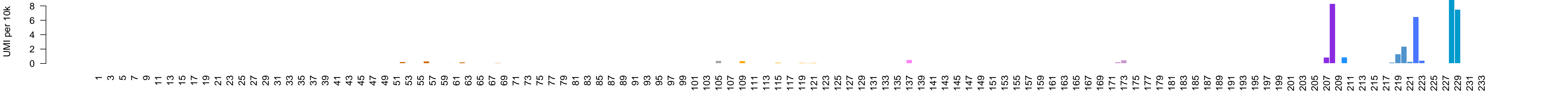
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HMGbox\_Sox.HG1.46:SOX14/SOX21  
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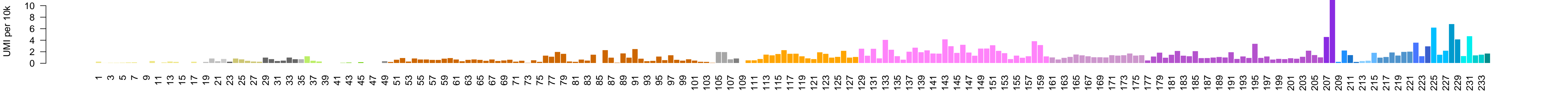
HMGbox\_Sox.HG1.47:like:SOX1/SOX2/SOX3  
HoiH23\_PIH23\_007440



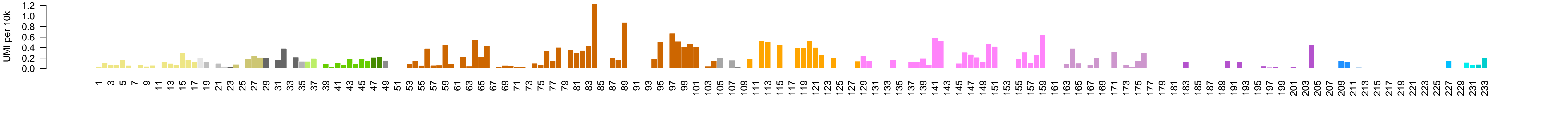


HMGbox\_Sox.HG1.48:SOX1/SOX2/SOX3

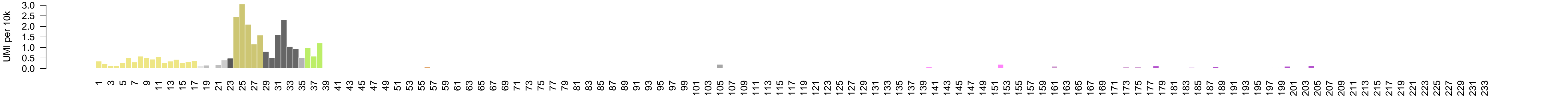
HoiH23\_PIH23\_011060



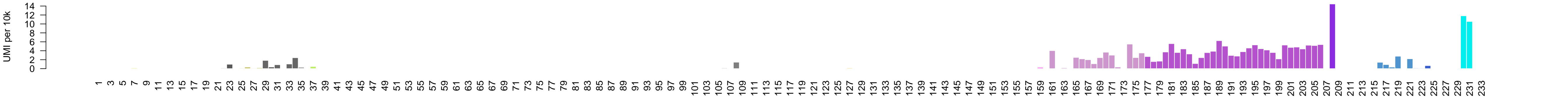
HMGbox\_Sox.HG1.6:like:MAEL  
HoiH23\_PIH23\_006522



Homeodomains.HG1.18:EMX1/EMX2/NOTO/VAX1/VAX2  
HoiH23\_PIH23\_007693



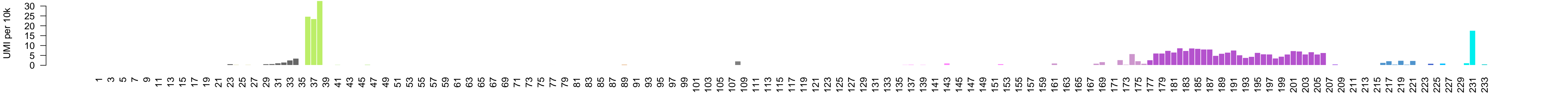
Homeodomains.HG1.27:DLX1/DLX2/DLX3/DLX4/DLX5/DLX6  
HoiH23\_PIH23\_008099



Homeodomains.HG1.29:MSX1/MSX2  
HoiH23\_PIH23\_010045



Homeodomains.HG1.34:HMX1/HMX2/HMX3  
HoiH23\_PIH23\_010989



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

HoiH23\_PIH23\_010042

UMI per 10k

5  
4  
3  
2  
1  
0

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0.2

0.1

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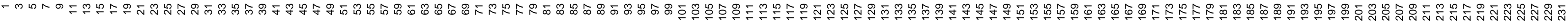
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Homeodomains.HG1.39:NKX2-1/NKX2-2/NKX2-3/NKX2-4/NKX2-5/NKX2-6/NKX2-8

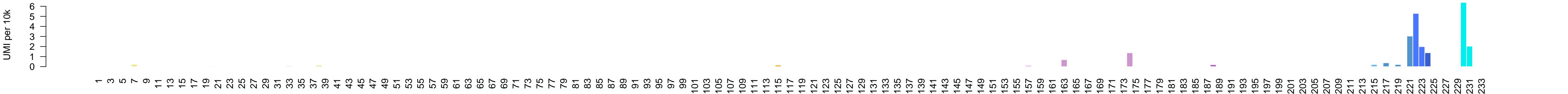
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UMI per 10k

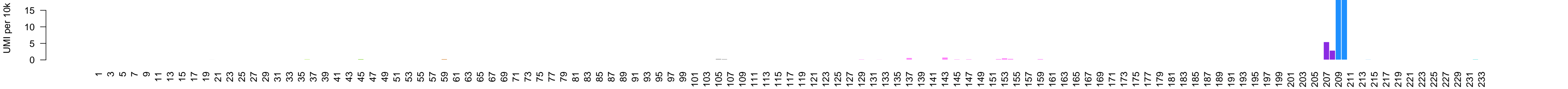




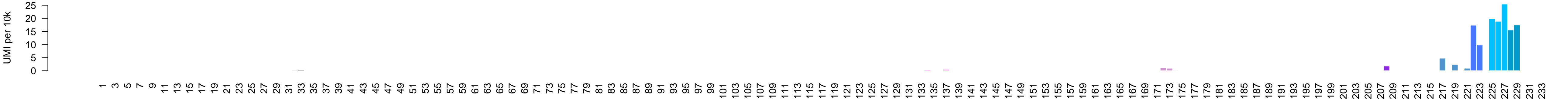
Homeodomains.HG1.39:NKX2-1/NKX2-2/NKX2-3/NKX2-4/NKX2-5/NKX2-6/NKX2-8  
HoiH23\_PIH23\_010044



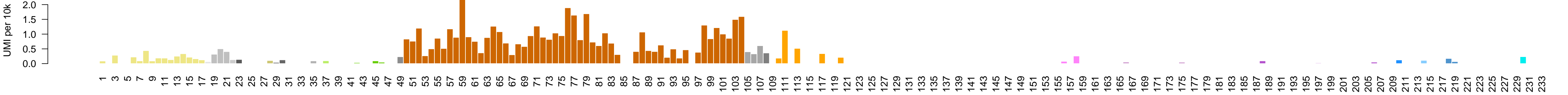
Homeodomains.HG1.4:DBX1/DBX2/HLX  
HoiH23\_PIH23\_004726



Homeodomains.HG1.45:MNX1  
HoiH23\_PIH23\_004506

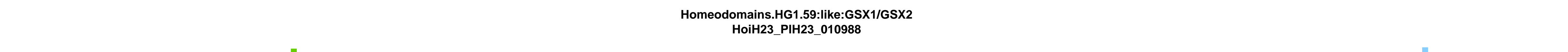
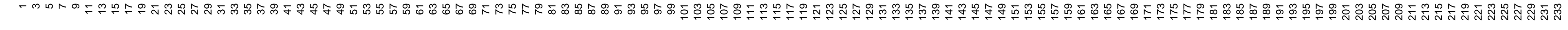
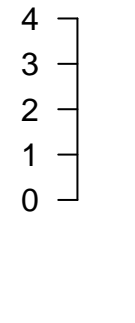


Homeodomains.HG1.5:HHEX  
HoiH23\_PIH23\_004933

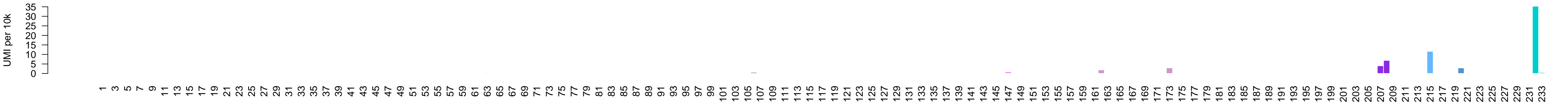


Homeodomains.HG1.59:like:GSX1/GSX2  
HoiH23\_PIH23\_010988

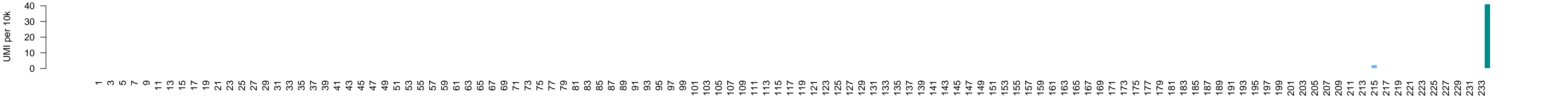
UMI per 10k



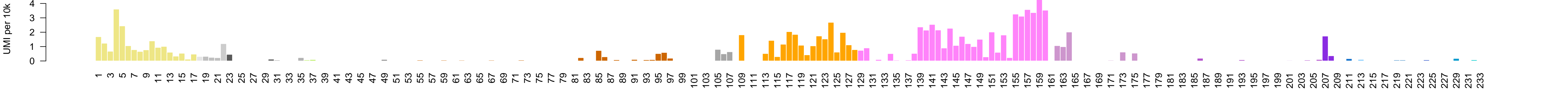
Homeodomains.HG1.60:GSX1/GSX2  
HoiH23\_PIH23\_009446



Homeodomains.HG2.25:like:SHOX/SHOX2  
HoiH23\_PIH23\_000637



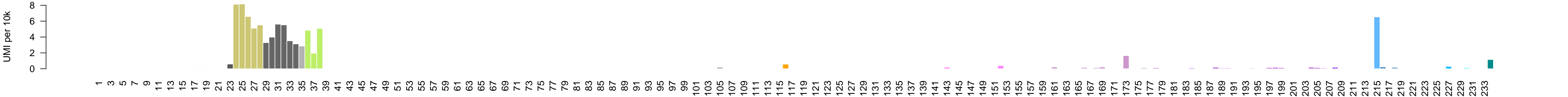
Homeodomains.HG2.26:GSC/GSC2  
HoiH23\_PIH23\_008404





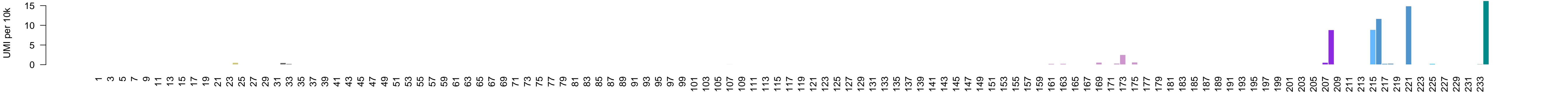
Homeodomains.HG2.31:like:AC025287.4/CPHXL/ESX1/ISX/NOBOX/PROP1/SEBOX/VSX1/VSX2

HoiH23\_PIH23\_002938



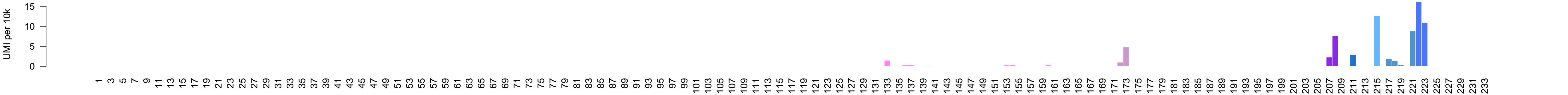
Homeodomains.HG2.34:OTP/PITX1/PITX2/PITX3/RAX/RAX2

HoiH23\_PIH23\_004900

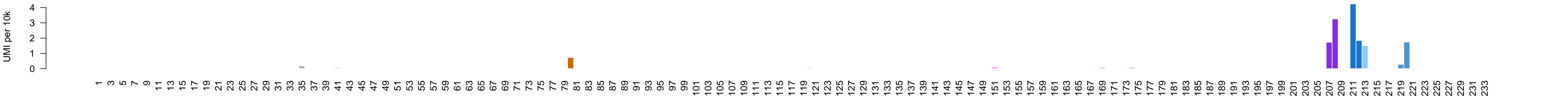


Homeodomains.HG2.34:OTP/PITX1/PITX2/PITX3/RAX/RAX2

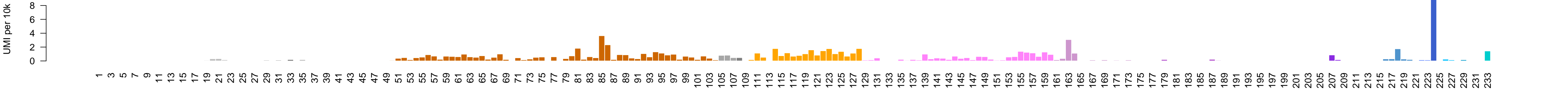
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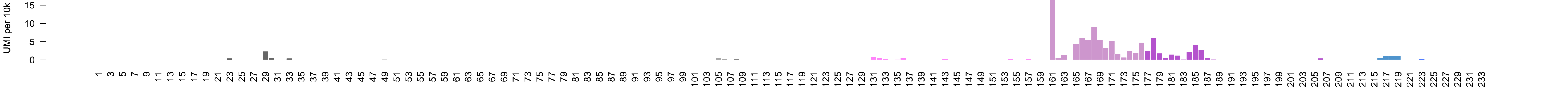
Homeodomains.HG2.62:like:ARX  
HoiH23\_PIH23\_010816



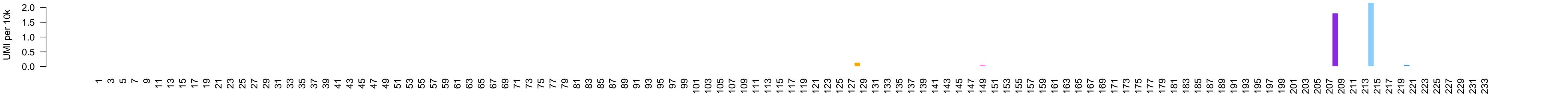
Homeodomains.HG2.63:ARX  
HoiH23\_PIH23\_010820



Homeodomains.HG2.67:like:ALX1/ALX3/ALX4/ARX  
HoiH23\_PIH23\_004901



Homeodomains.HG2.8:like:PAX2/PAX4/PAX5/PAX6/PAX8  
HoiH23\_PIH23\_003100

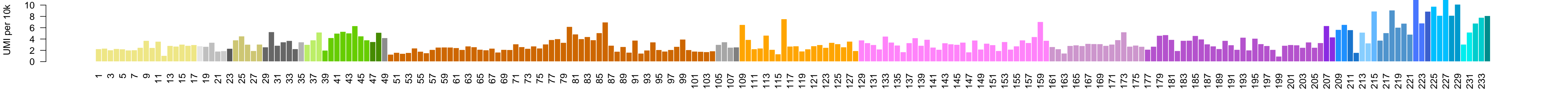


Homeodomains.HG2.9:PAX2/PAX4/PAX5/PAX6/PAX8  
HoiH23\_PIH23\_005936

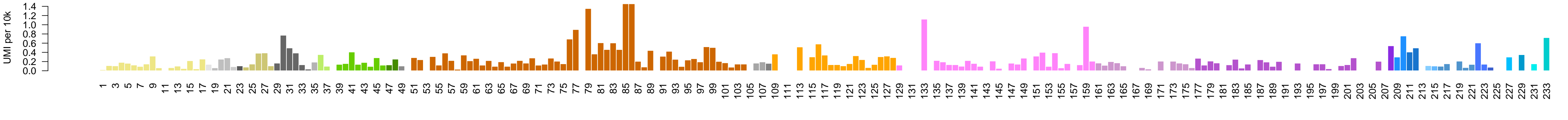




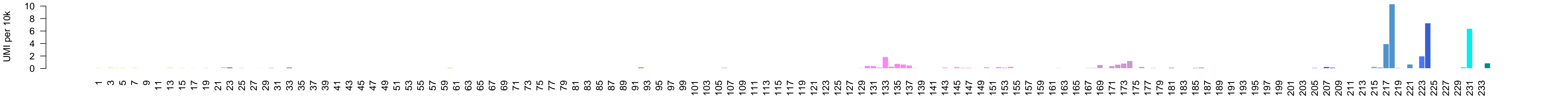
Homeodomains.HG4.1:IRX1/IRX2/IRX3/IRX4/IRX5/IRX6/MKX  
HoiH23\_PIH23\_001639



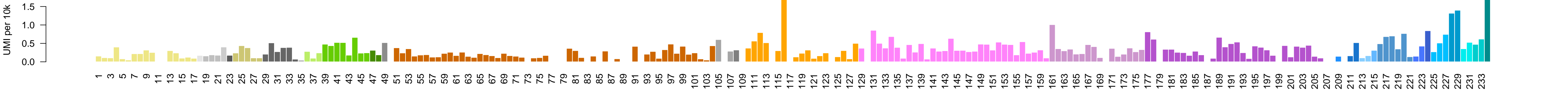
Homeodomains.HG4.18:PKNOX1/PKNOX2  
HoiH23\_PIH23\_004536



Homeodomains.HG4.19:like:MEIS1/MEIS2/MEIS3  
HoiH23\_PIH23\_009723

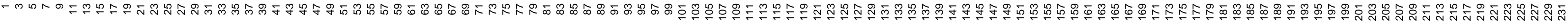
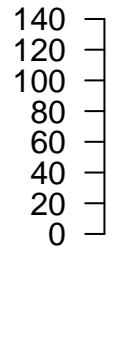


Homeodomains.HG4.6:PBX1/PBX2/PBX3/PBX4  
HoiH23\_PIH23\_008320

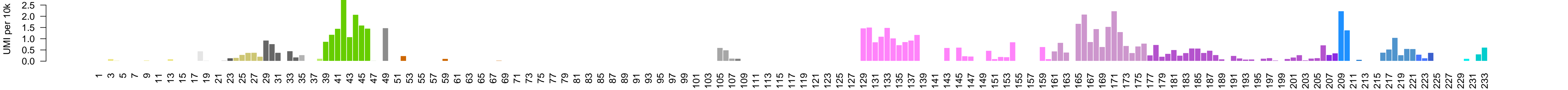


Homeodomains.HG5.5:like:SIX1/SIX2/SIX3/SIX4/SIX5/SIX6  
HoiH23\_PIH23\_009302

UMI per 10k

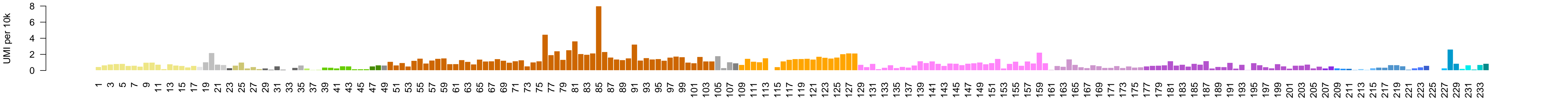


Homeodomains.HG5.7:SIX3/SIX6  
HoiH23\_PIH23\_009303

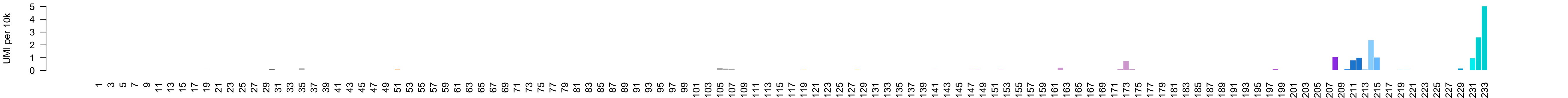


Homeodomains.HG6.11:POU3F1/POU3F2/POU3F3/POU3F4

HoiH23\_PIH23\_002679



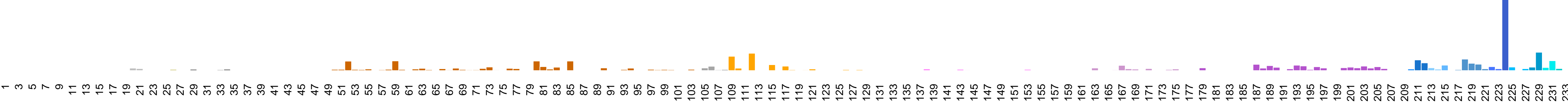
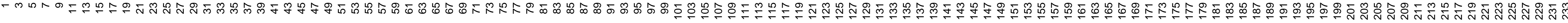
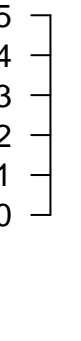
Homeodomains.HG6.7:POU4F1/POU4F2/POU4F3  
HoiH23\_PIH23\_003125



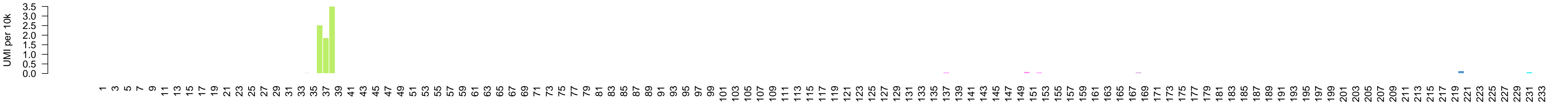


Homeodomains.Unclassified  
HoiH23\_PIH23\_006561

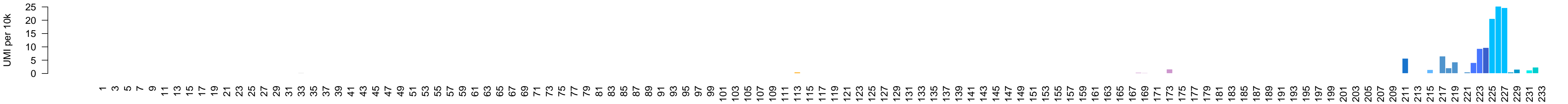
UMI per 10k



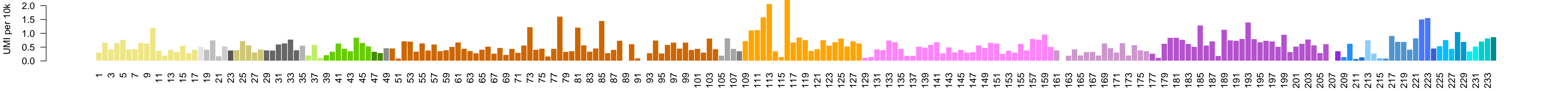
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HoiH23\_PIH23\_006563



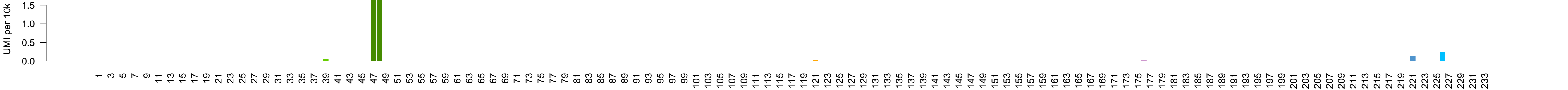
Homeodomains.Unclassified  
HoiH23\_PIH23\_008308



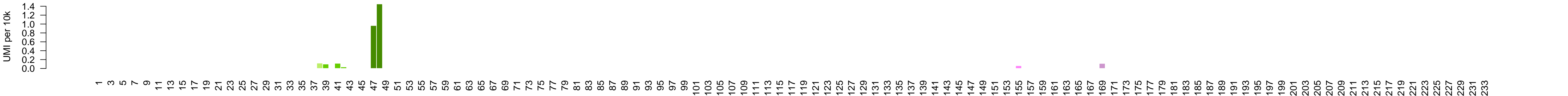
HSF.HG1.1:HSF1/HSF2/HSF4  
HoiH23\_PIH23\_001744



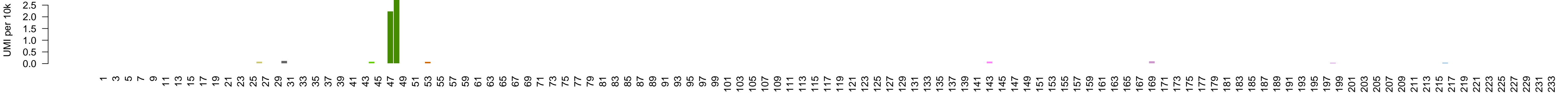
IRF.HG1.5:like:IRF1/IRF2/IRF3/IRF4/IRF5/IRF6/IRF7/IRF8/IRF9  
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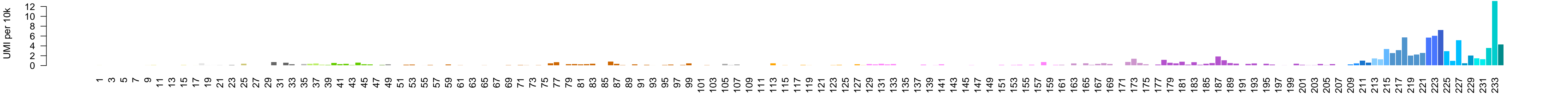
IRF.HG1.5:like:IRF1/IRF2/IRF3/IRF4/IRF5/IRF6/IRF7/IRF8/IRF9  
HoiH23\_PIH23\_010048



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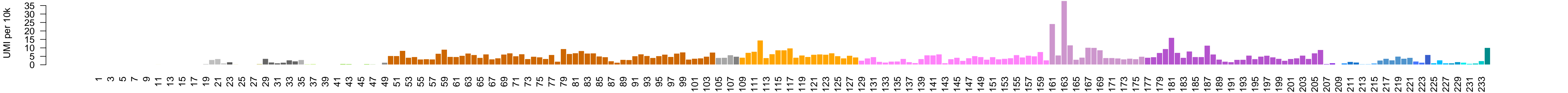


IRF.HG1.7:IRF1/IRF2  
HoiH23\_PIH23\_008602

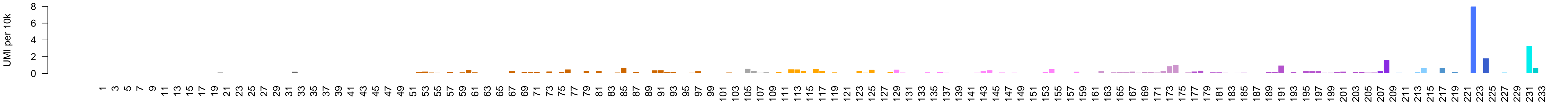




IRF.HG1.7:IRF1/IRF2  
HoiH23\_PIH23\_010547

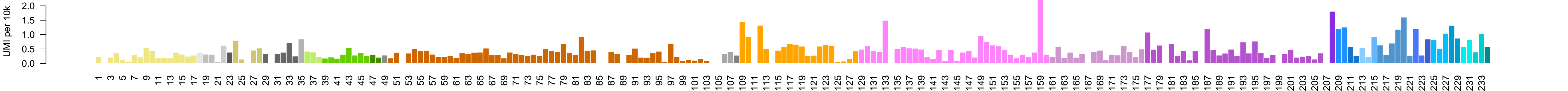


LAG1\_CSL.HG1.0:RBPJ/RBPJL  
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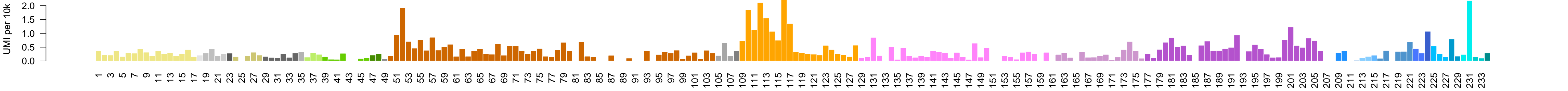


MADS-box\_SRF.HG1.1:BORCS8-MEF2B/MEF2A/MEF2B/MEF2C/MEF2D

HoiH23\_PIH23\_010027

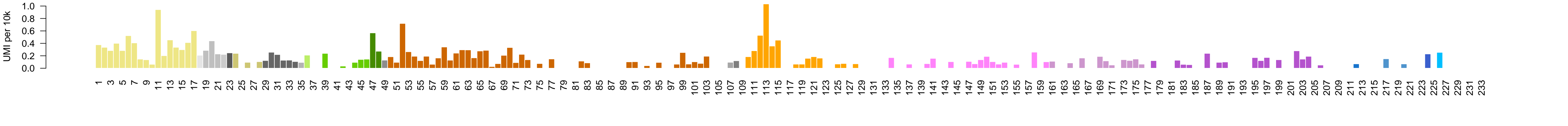


MADS-box\_SRF.HG1.2:SRF  
HoiH23\_PIH23\_000452

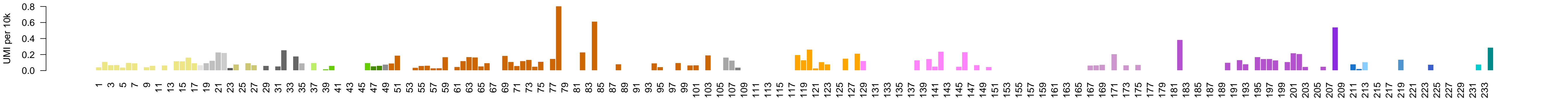


mTERF.HG1.0:like:MTERF1/MTERF2/MTERF3/MTERF4

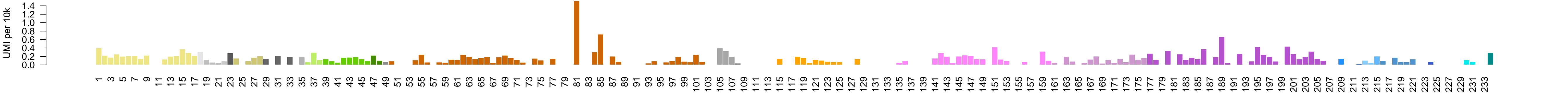
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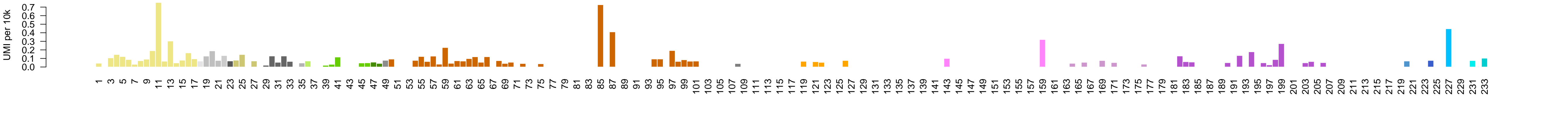
mTERF.HG1.1:MTERF1/MTERF2/MTERF3/MTERF4  
HoiH23\_PIH23\_002068



mTERF.HG1.1:MTERF1/MTERF2/MTERF3/MTERF4  
HoiH23\_PIH23\_004738

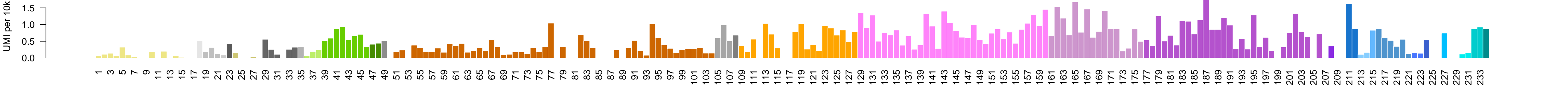


mTERF.HG1.1:MTERF1/MTERF2/MTERF3/MTERF4  
HoiH23\_PIH23\_007271

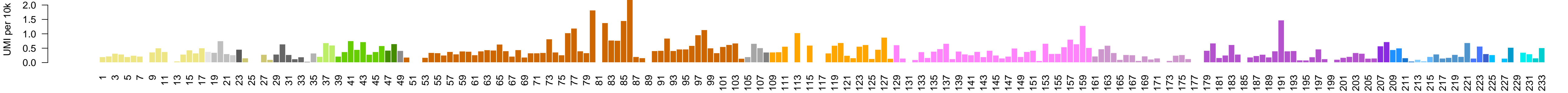




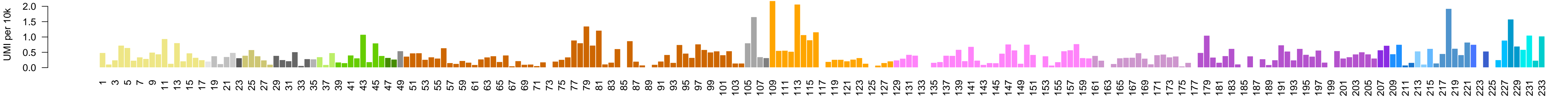
Myb.HG1.1:DNAJC1/DNAJC2  
HoiH23\_PIH23\_002451



Myb.HG1.1:DNAJC1/DNAJC2  
HoiH23\_PIH23\_010626



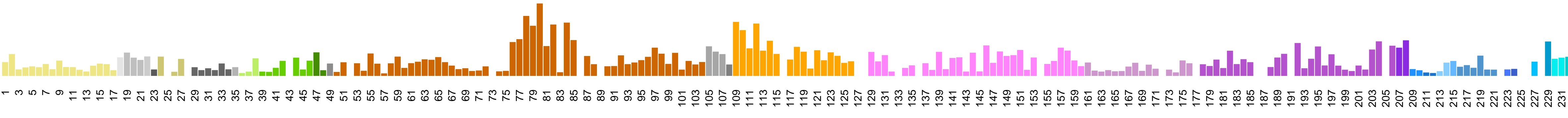
Myb.HG1.10:NCOR1/NCOR2  
HoiH23\_PIH23\_005813



UMI per 10k

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1.0  
0.8  
0.6  
0.4  
0.2  
0.0

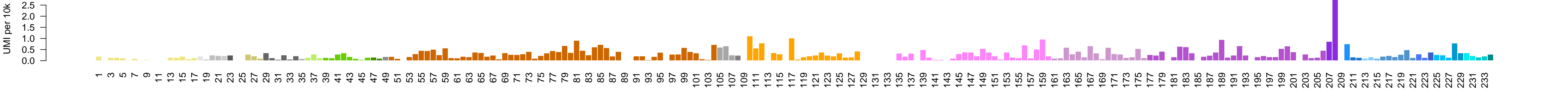
Myb.HG1.12: CDC5L  
HoiH23\_PIH23\_010148



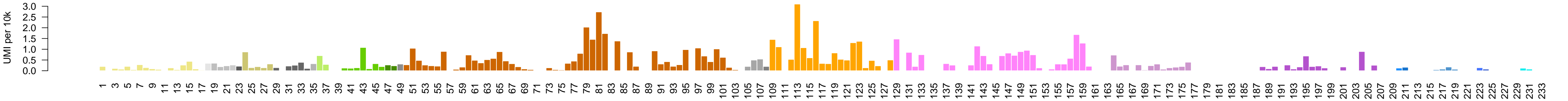
Myb.HG1.14:DMTF1/TTF1  
HoiH23\_PIH23\_010545



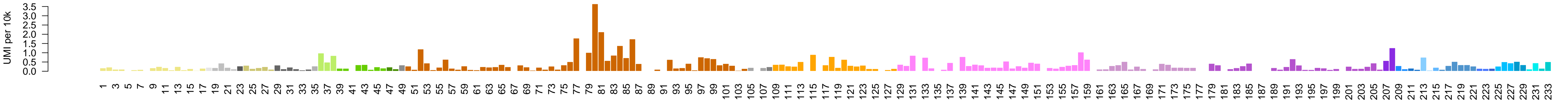
Myb.HG1.16:RCOR1/RCOR2/RCOR3  
HoiH23\_PIH23\_004866



Myb.HG1.24:MYB/MYBL1  
HoiH23\_PIH23\_003546



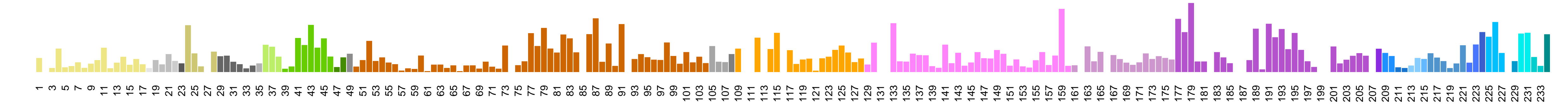
Myb.HG1.3:SMARCC1/SMARCC2  
HoiH23\_PIH23\_009583





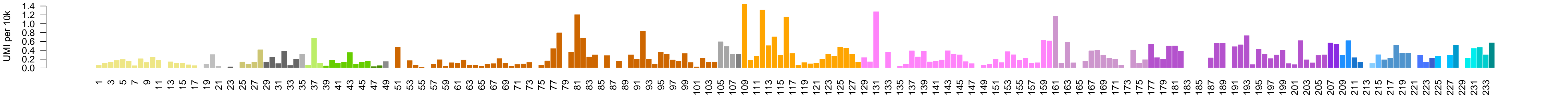
UMI per 10k

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0.6  
0.4  
0.2  
0.0

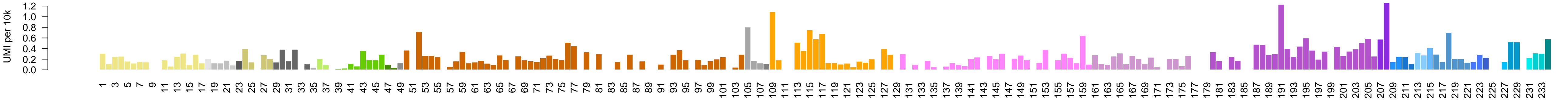


Myb.HG1.5:MIER1/MIER2/MIER3/MTA1/MTA3;zf-C2H2.HG32.1:TRERF1/ZNF541

HoiH23\_PIH23\_001413



Myb.HG1.6:TADA2B  
HoiH23\_PIH23\_005515

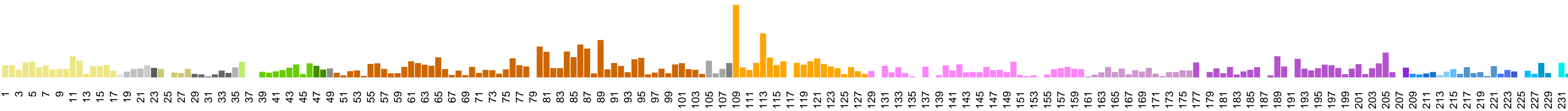


UMI per 10k

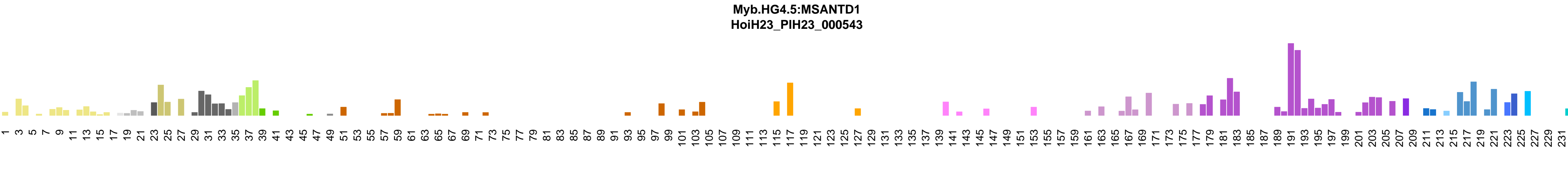
2.5  
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1.5  
1.0  
0.5  
0.0

Myb.HG1.7:TADA2A  
HoiH23\_PIH23\_005827

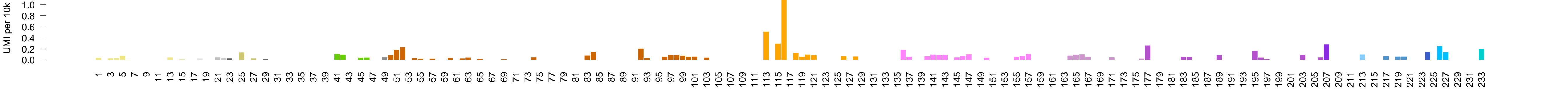
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 43 45 47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77 79 81 83 85 87 89 91 93 95 97 99 101 103 105 107 109 111 113 115 117 119 121 123 125 127 129 131 133 135 137 139 141 143 145 147 149 151 153 155 157 159 161 163 165 167 169 171 173 175 177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

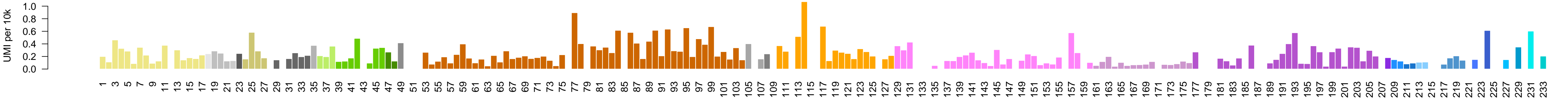


UMI per 10k



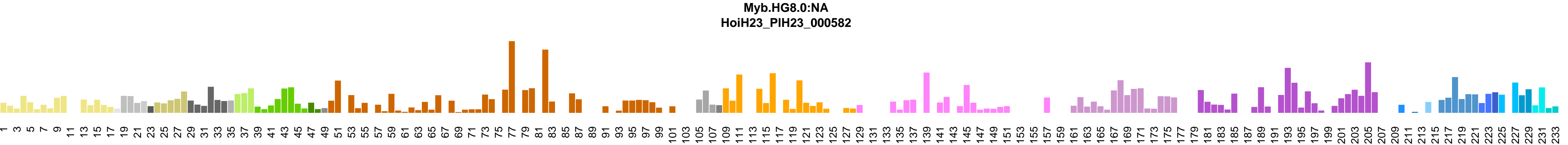
Myb.HG5.0:DMAP1  
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UMI per 10k

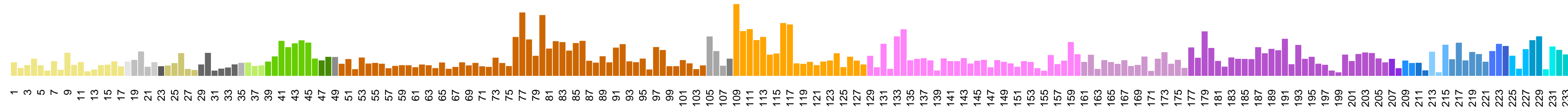
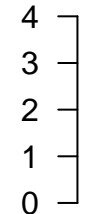
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0.6  
0.4  
0.2  
0.0





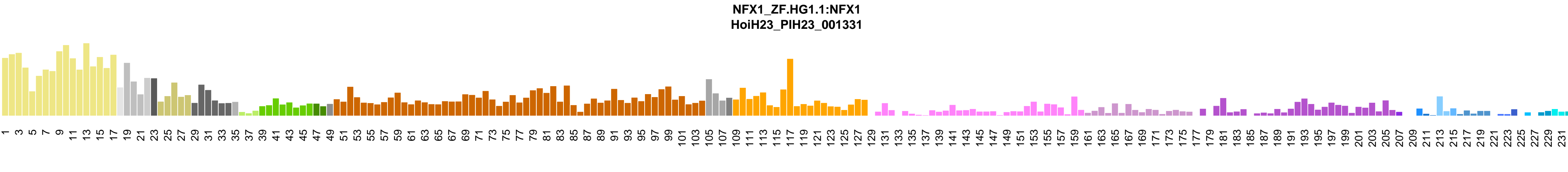
Ndt80\_PhoG.HG1.0:MYRF/MYRFL  
HoiH23\_PIH23\_002272

UMI per 10k



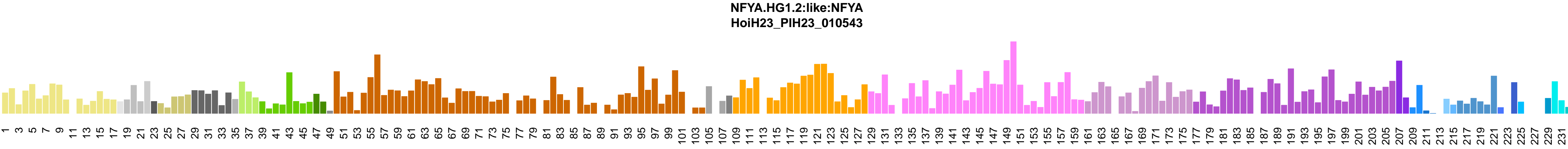
UMI per 10k

4  
3  
2  
1  
0

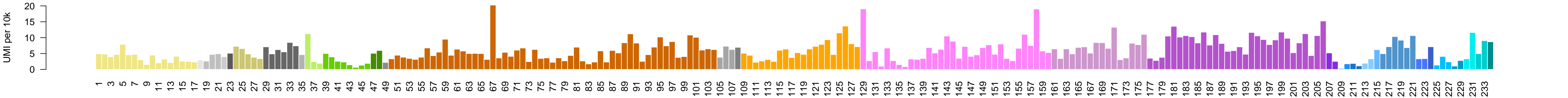


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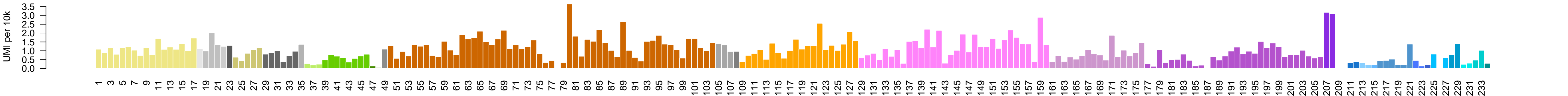
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0.0



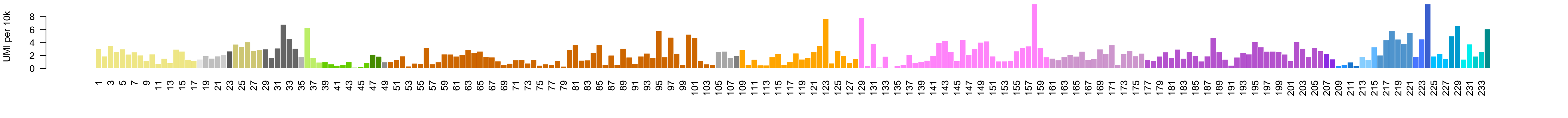
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HoiH23\_PIH23\_003155



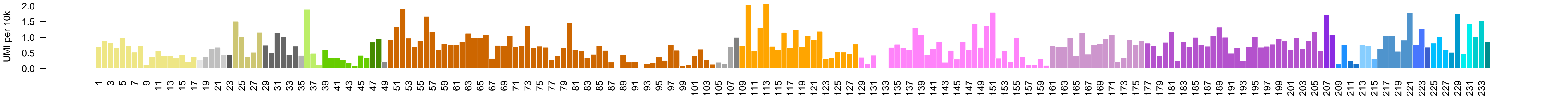
NFYB\_NFYC.HG2.0:like:H2AC1/H2AC4/H2AC6/H2AC7/H2AC8/H2AC11/H2AC12/H2AC13/H2AC14/H2AC15/H2AC16/H2AC17/H2AC18/H2AC19/H2AC20/H2AC21/H2AJ/H2AW/H2AX  
HoiH23\_PIH23\_001615



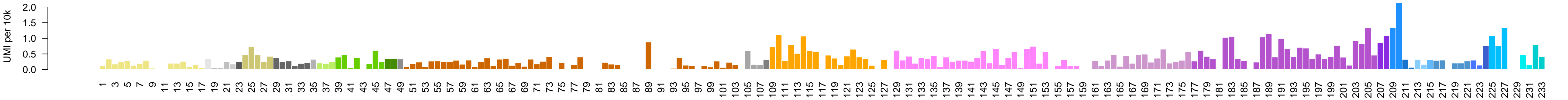
NFYB\_NFYC.HG2.3:H2AC1/H2AC4/H2AC6/H2AC7/H2AC8/H2AC11/H2AC12/H2AC13/H2AC14/H2AC15/H2AC16/H2AC17/H2AC18/H2AC19/H2AC20/H2AC21/H2AJ/H2AW/H2AX  
HoiH23\_PIH23\_007728



NFYB\_NFYC.HG3.1:NFYC  
HoiH23\_PIH23\_005977

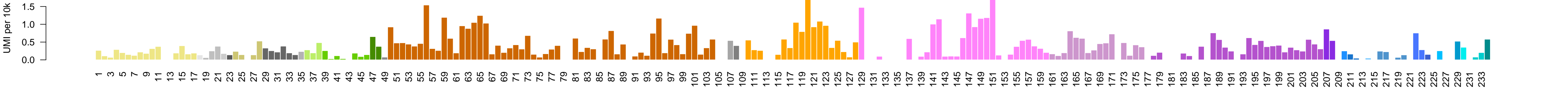


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HoiH23\_PIH23\_010470

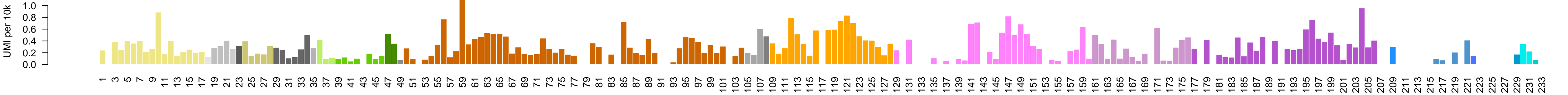




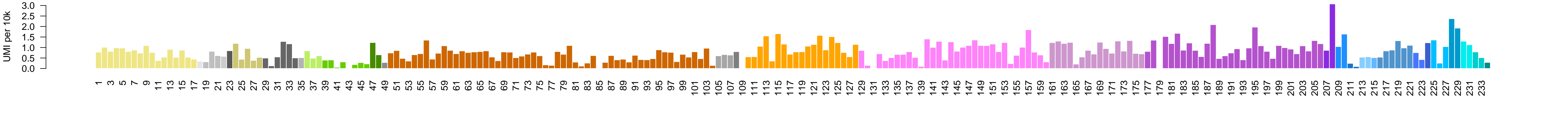
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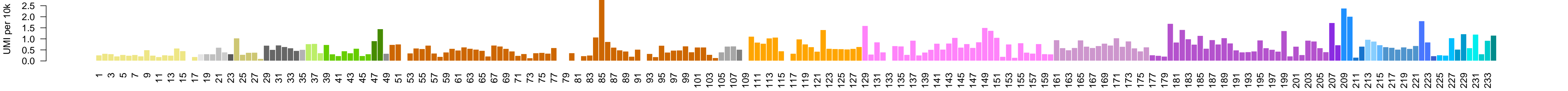
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HoiH23\_PIH23\_009510



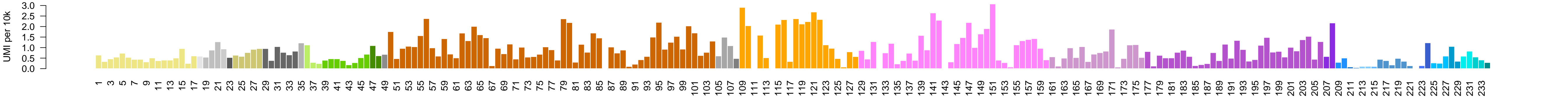
NFYB\_NFYC.HG4.1:like:DR1/NFYB/POLE3  
HoiH23\_PIH23\_001179



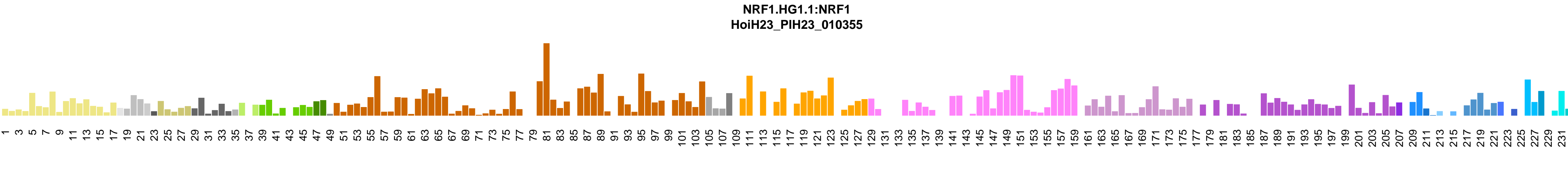
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HoiH23\_PIH23\_003580



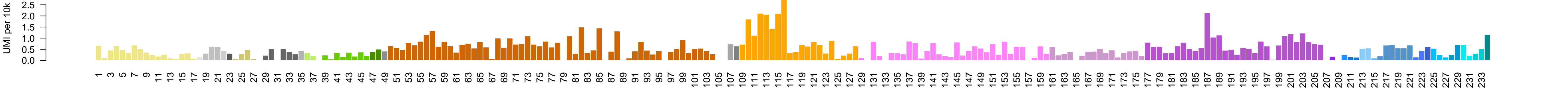
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HoiH23\_PIH23\_003612



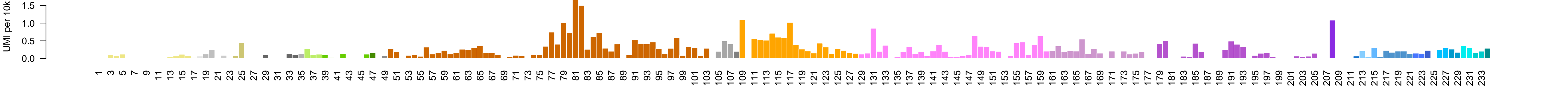
UMI per 10k



P53.HG1.3:TP53/TP63/TP73  
HoiH23\_PIH23\_009944

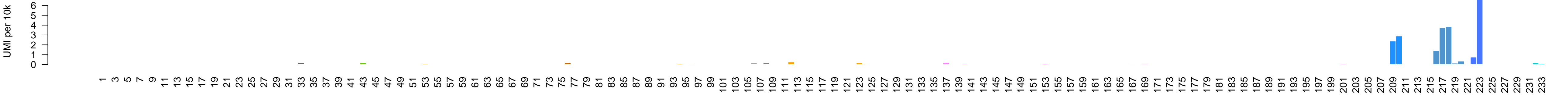


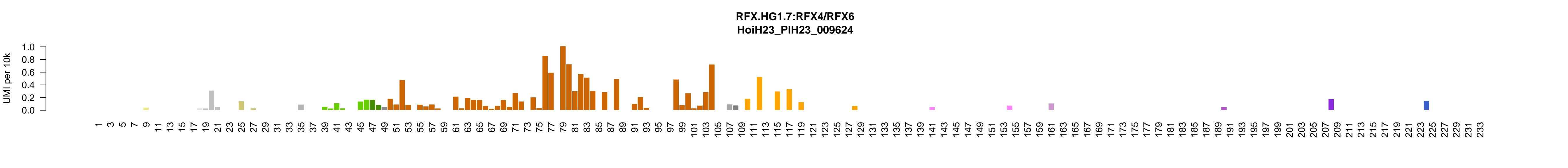
RFX.HG1.3:RFX1/RFX2/RFX3  
HoiH23\_PIH23\_004136



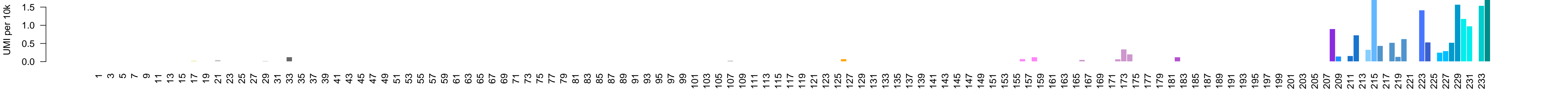


RFX.HG1.7:RFX4/RFX6  
HoiH23\_PIH23\_001264

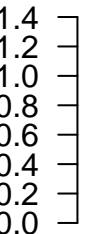




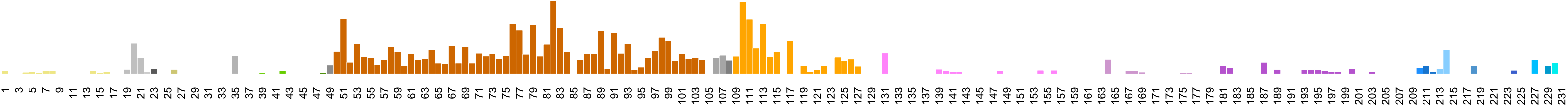
Runt\_Runx.HG1.0:RUNX1/RUNX2/RUNX3  
HoiH23\_PIH23\_002676



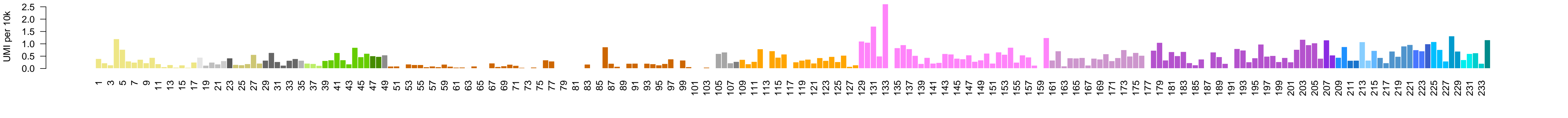
UMI per 10k



SAND.HG1.10:DEAF1  
HoiH23\_PIH23\_011039

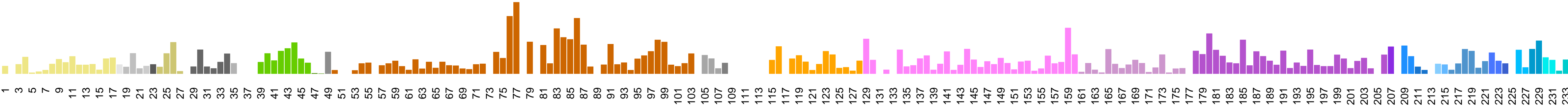
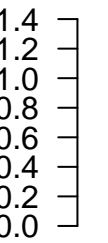


SMAD\_MH1.HG1.0:SMAD6/SMAD7  
HoiH23\_PIH23\_000874



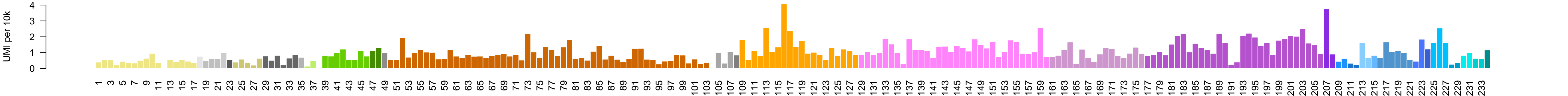
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HoiH23\_PIH23\_005678

UMI per 10k

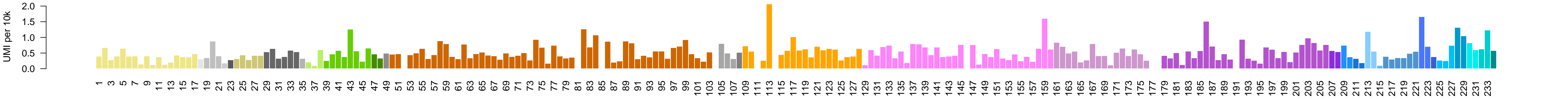


SMAD\_MH1.HG1.6:like:SMAD1/SMAD2/SMAD3/SMAD4/SMAD5/SMAD9

HoiH23\_PIH23\_000268



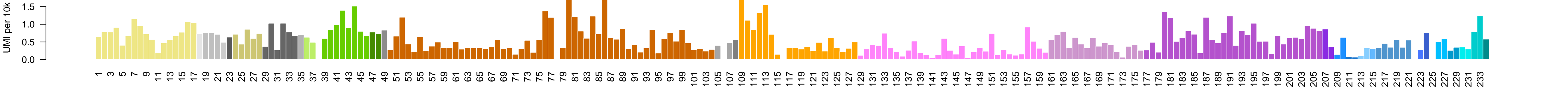
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HoiH23\_PIH23\_002604





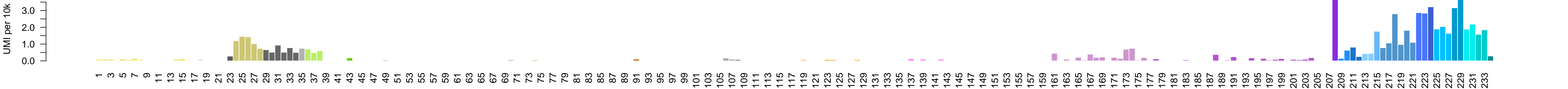
STAT.HG1.0:like:STAT1/STAT2/STAT3/STAT4/STAT5A/STAT5B/STAT6

HoiH23\_PIH23\_001912



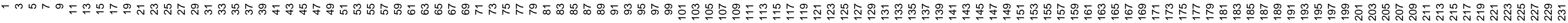
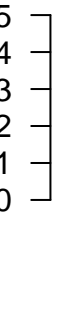
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HoiH23\_PIH23\_003715

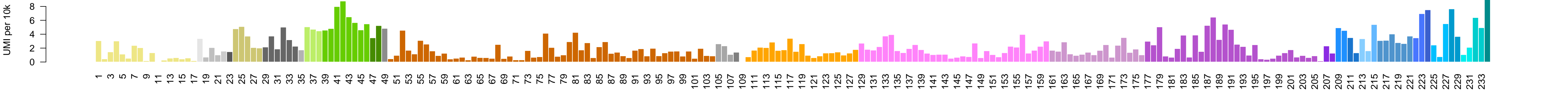


T-box.HG1.1:TBX19/TBXT  
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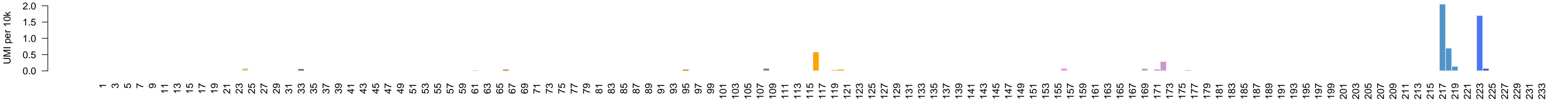
UMI per 10k



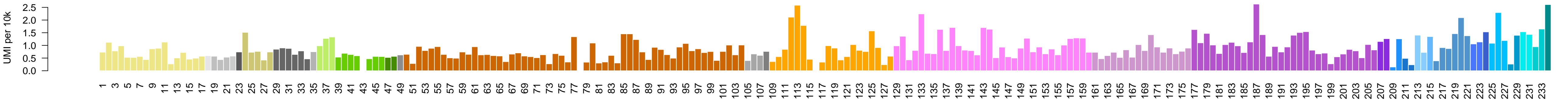
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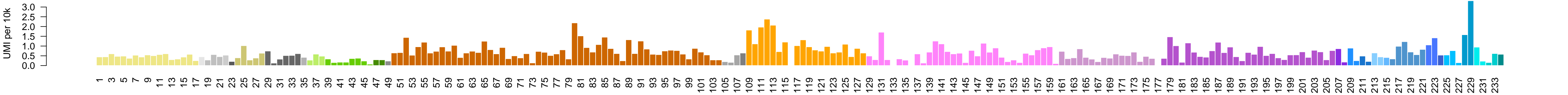
T-box.HG1.9:TBX4/TBX5  
HoiH23\_PIH23\_000390



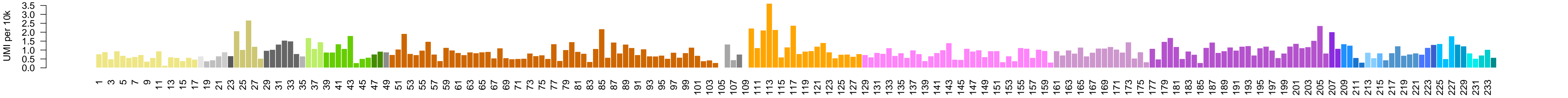
TBP.HG1.4:TBP/TBPL2  
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TEA.HG1.1:TEAD1/TEAD2/TEAD3/TEAD4  
HoiH23\_PIH23\_006058

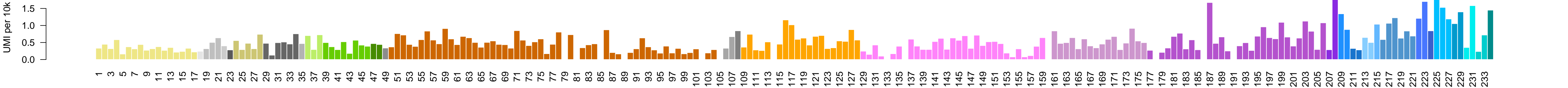


Tesmin\_TSO1-like.HG1.2:LIN54/TESMIN  
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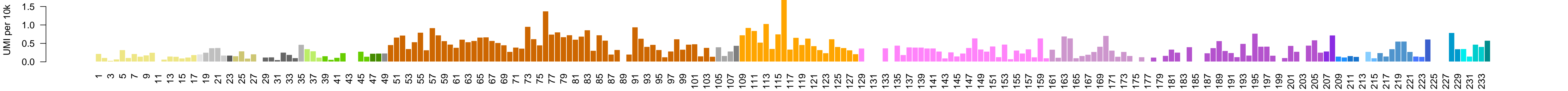




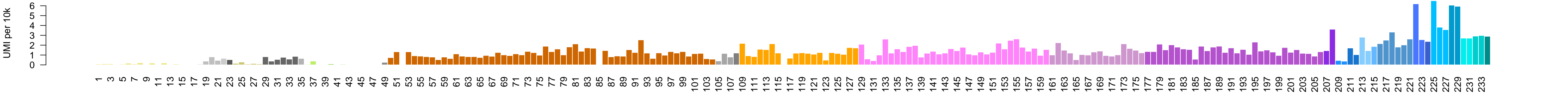
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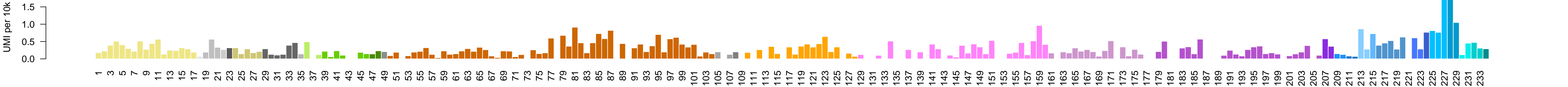
TFIIB.HG1.2:GTF2B  
HoiH23\_PIH23\_002536



Tub.HG1.4:TUB/TULP3  
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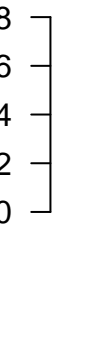


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zf-C2H2.HG1.107:GFI1/GFI1B;zf-met.HG1.75:like:GFI1/MAZ/PATZ1/SALL1/SALL2/SALL3/SALL4/ZBTB14/ZBTB49/ZNF236/ZNF384/ZNF426/ZNF524/ZNF559-ZNF177/ZNF628/ZNF883  
HoiH23\_PIH23\_002514

UMI per 10k

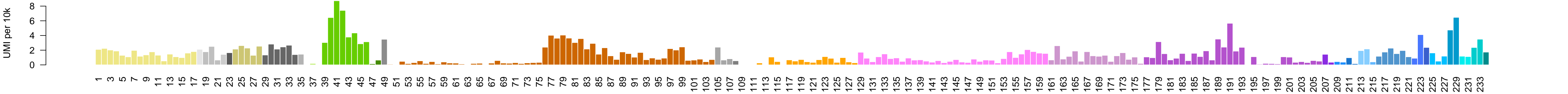


1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 43 45 47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77 79 81 83 85 87 89 91 93 95 97 99 101 103 105 107 109 111 113 115 117 119 121 123 125 127 129 131 133 135 137 139 141 143 145 147 149 151 153 155 157 159 161 163 165 167 169 171 173 175 177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

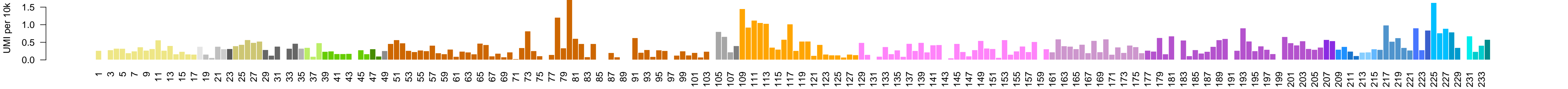


41/ZFP57/ZFP62/ZFP64/ZFP92/ZFX/ZFY/ZNF19/ZNF20/ZNF48/ZNF70/ZNF79/ZNF133/ZNF174/ZNF197/ZNF212/ZNF213/ZNF217/ZNF219/ZNF282/ZNF319/ZNF335/ZNF337/ZNF439/ZNF484/ZNF497/ZNF500/ZNF516/ZNF568/ZNF574/ZNF579/ZNF584/ZNF672/ZNF697/ZNF707/ZNF711/ZNF717/ZNF747/ZNF764/ZNF768

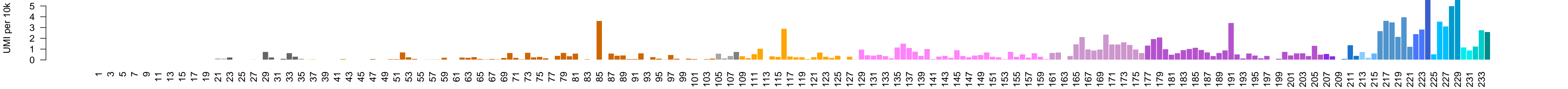
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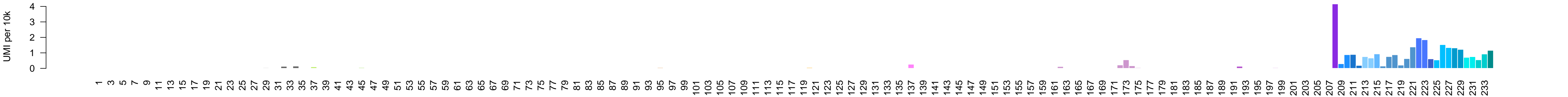


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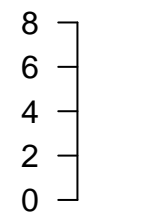


zf-C2H2.HG12.1:SCRT1/SCRT2/SNAI1/SNAI2/SNAI3/ZNF526;zf-met.HG1.40:PRDM5/SNAI1/SNAI2/SNAI3  
HoiH23\_PIH23\_000744



zf-C2H2.HG13.4:EGR1/EGR2/EGR3/EGR4  
HoiH23\_PIH23\_003745

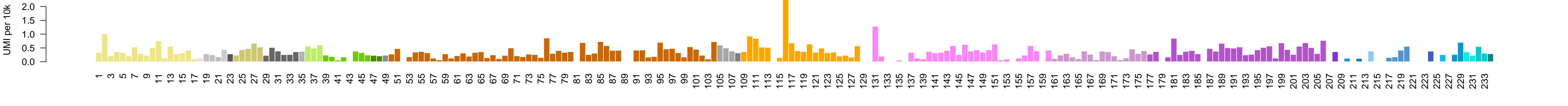
UMI per 10k



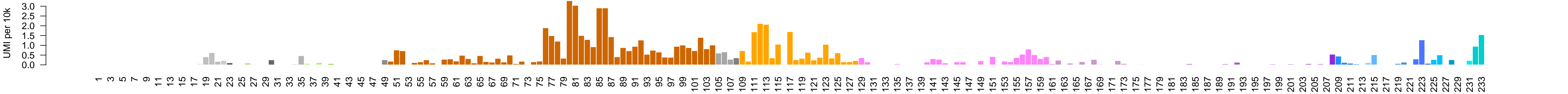
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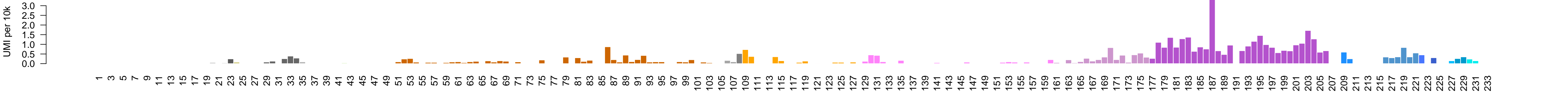
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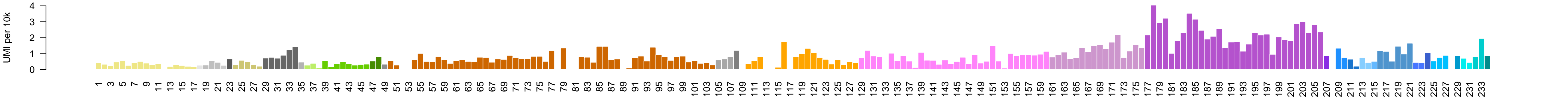
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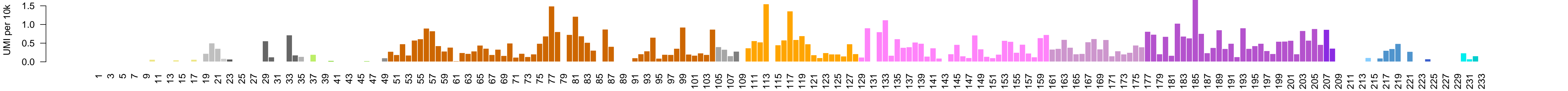
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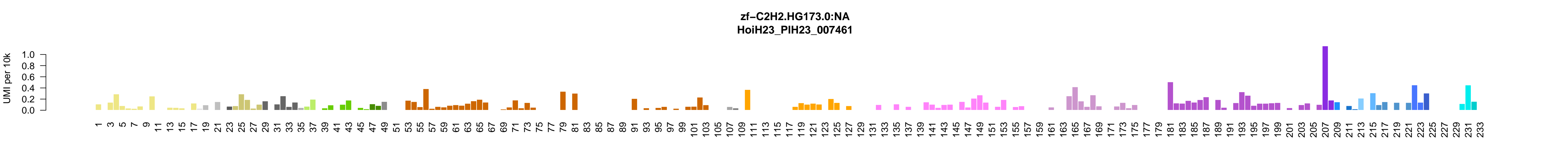


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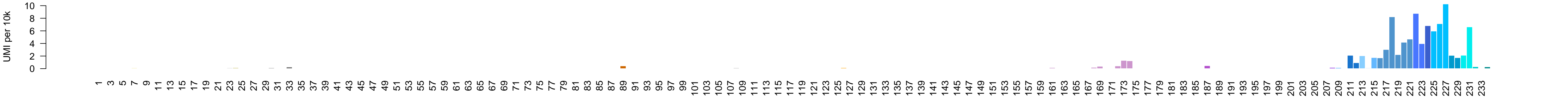
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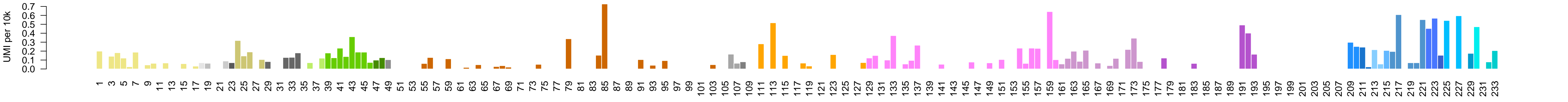




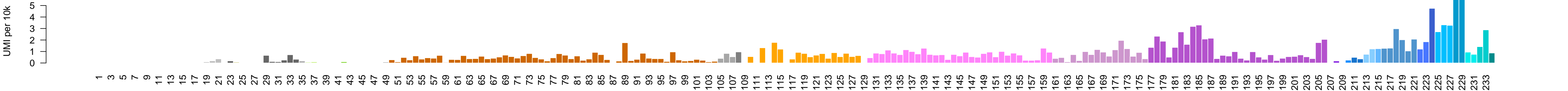
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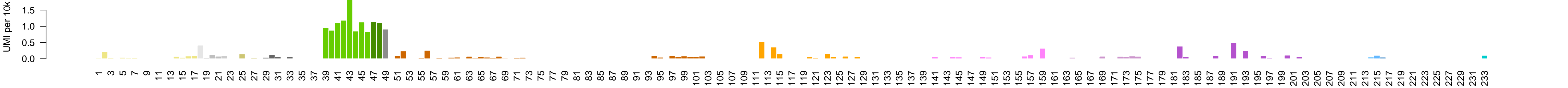
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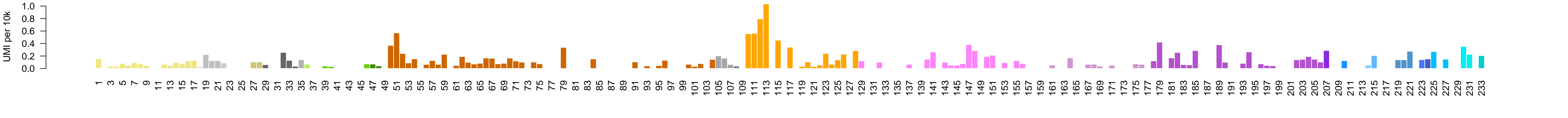
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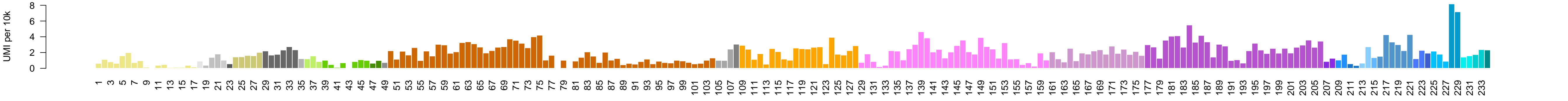
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HoiH23\_PIH23\_008786



zf-C2H2.HG3.0:like:MTF1/ZNF76/ZNF143  
HoiH23\_PIH23\_007882

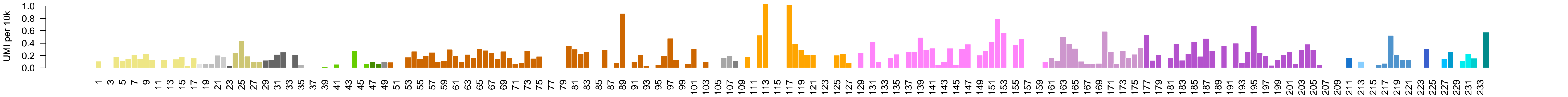


zf-C2H2.HG3.11:KLF10/KLF11  
HoiH23\_PIH23\_005981



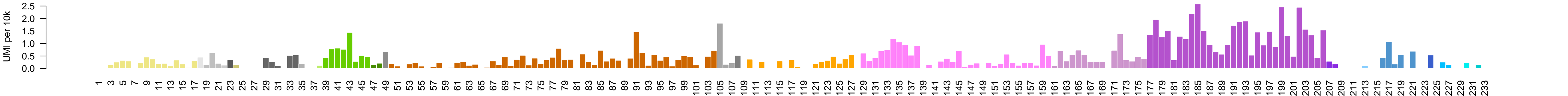
zf-C2H2.HG3.16:KLF1/KLF2/KLF3/KLF4/KLF5/KLF6/KLF7/KLF8/KLF12

HoiH23\_PIH23\_008047



# zf-C2H2.HG3.16:KLF1/KLF2/KLF3/KLF4/KLF5/KLF6/KLF7/KLF8/KLF12

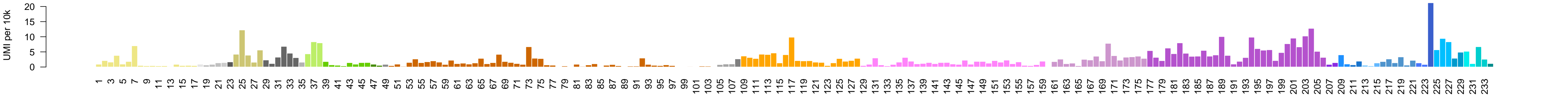
HoiH23\_PIH23\_008766



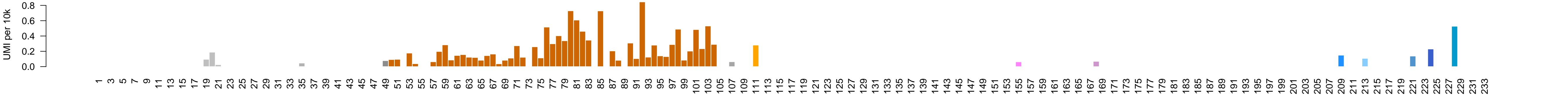


zf-C2H2.HG3.16:KLF1/KLF2/KLF3/KLF4/KLF5/KLF6/KLF7/KLF8/KLF12

HoiH23\_PIH23\_010552

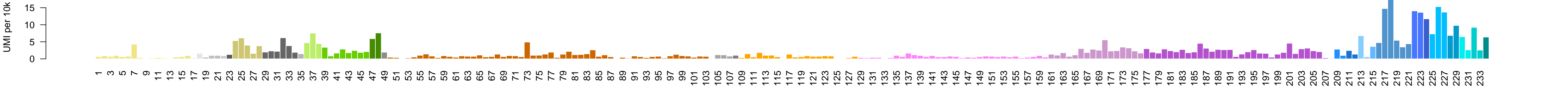


zf-C2H2.HG3.3:like:MTF1/ZNF76/ZNF143  
HoiH23\_PIH23\_011683

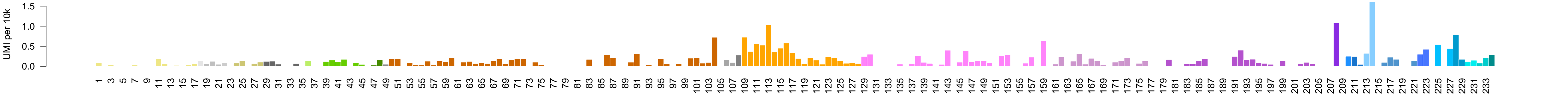


zf-C2H2.HG4.2:PLAGL1/ZNF367;zf-met.HG1.87:like:GFI1/MAZ/PATZ1/SALL1/SALL2/SALL3/SALL4/ZBTB14/ZBTB49/ZNF236/ZNF384/ZNF426/ZNF524/ZNF559-ZNF177/ZNF628/ZNF883

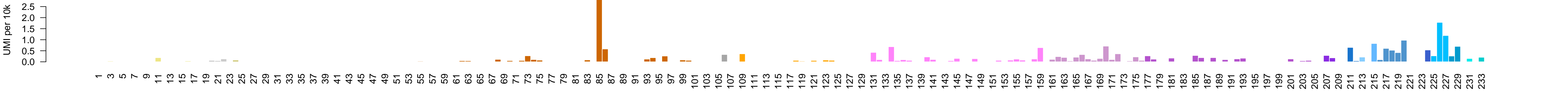
HoiH23\_PIH23\_008115



zf-C2H2.HG55.0:like:PRDM12;zf-met.HG1.54:PRDM12  
HoiH23\_PIH23\_008327



zf-C2H2.HG6.15:ZEB1/ZEB2  
HoiH23\_PIH23\_001935



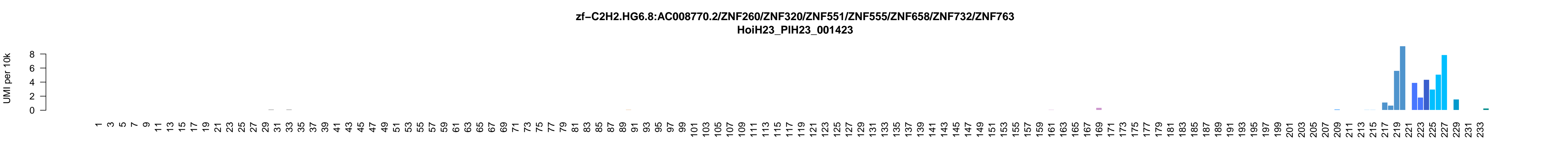
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HoiH23\_PIH23\_001423

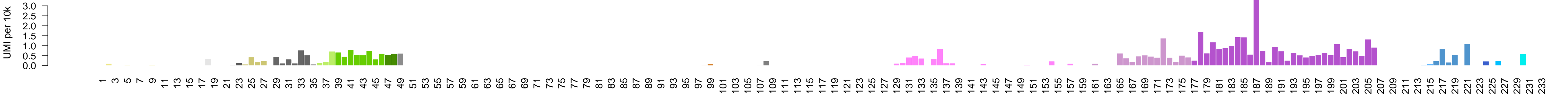
UMI per 10k

8  
6  
4  
2  
0

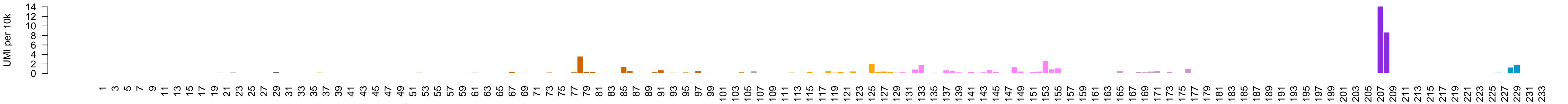
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zf-C2H2.HG8.3:ZIC1/ZIC2/ZIC3/ZIC4/ZIC5  
HoiH23\_PIH23\_002369

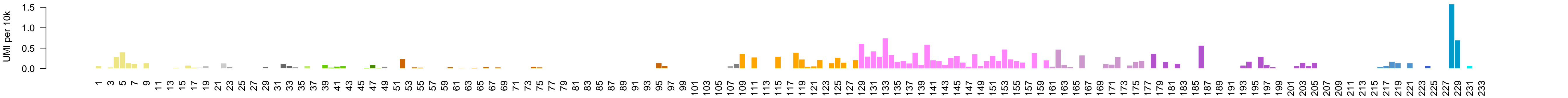


zf-C2H2.HG9.1:KLF13  
HoiH23\_PIH23\_003047

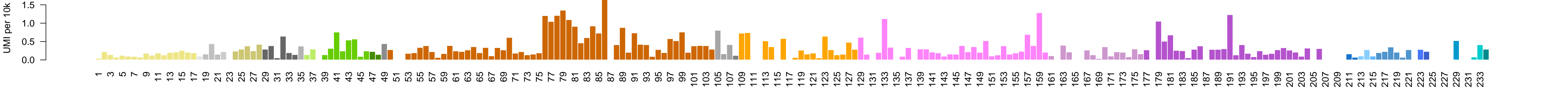




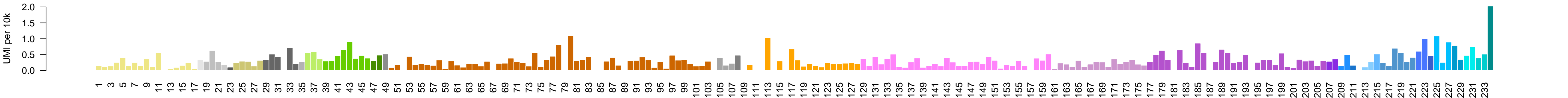
zf-C2H2.HG9.10:SP6/SP7/SP8/SP9  
HoiH23\_PIH23\_003415



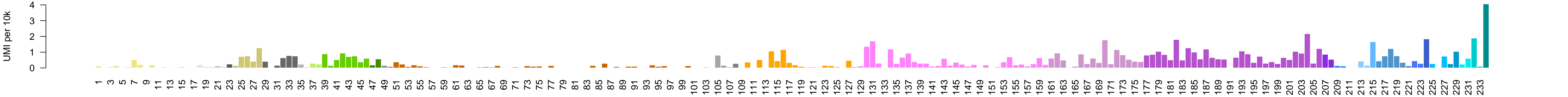
zf-C2H2.HG9.12:SP2  
HoiH23\_PIH23\_008899



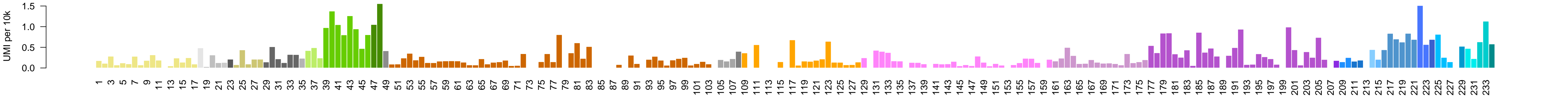
zf-C4\_Nuclear\_receptors.HG1.0:AR/ESR1/ESR2/NR3C1/NR3C2/PGR  
HoiH23\_PIH23\_009307



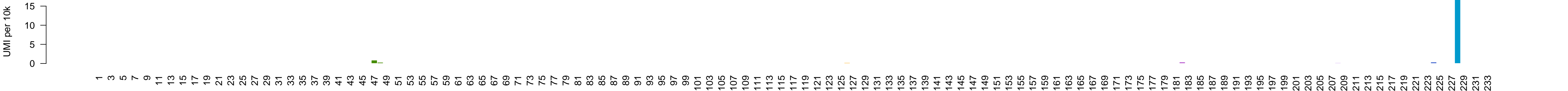
zf-C4\_Nuclear\_receptors.HG1.15:like:NR2E1/NR2E3/NR2F1/NR2F2/NR2F6  
HoiH23\_PIH23\_000088



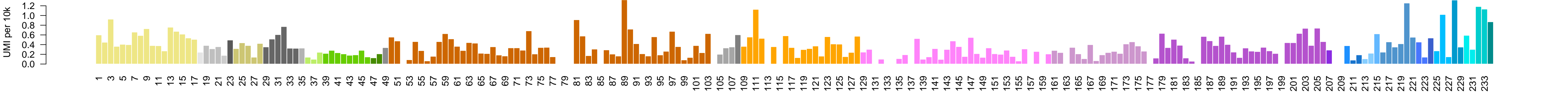
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HoiH23\_PIH23\_005607



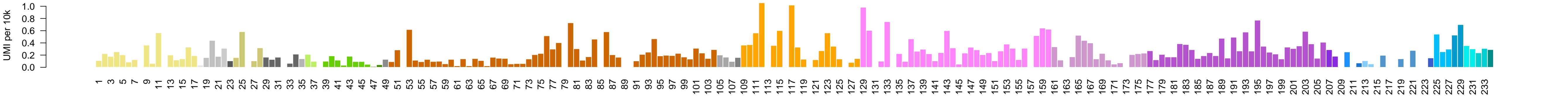
zf-C4\_Nuclear\_receptors.HG1.36:NR2E3  
HoiH23\_PIH23\_006228



zf-C4\_Nuclear\_receptors.HG1.9:RXRA/RXRB/RXRG  
HoiH23\_PIH23\_002491

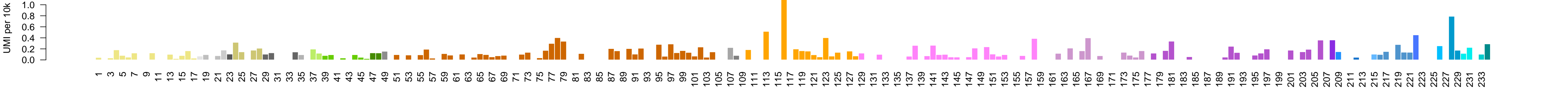


zf-CXXC.HG1.0:CXXC4/CXXC5/TET1/TET3  
HoiH23\_PIH23\_001869

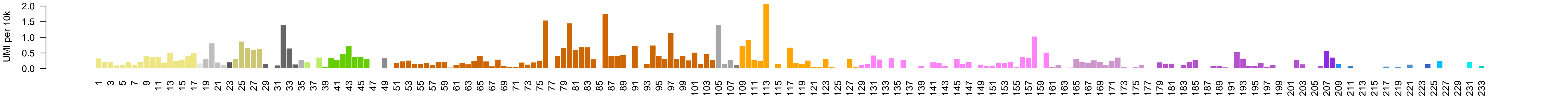




zf-CXXC.HG1.12:CXXC1/MBD1  
HoiH23\_PIH23\_001408



zf-CXXC.HG1.8:FBXL19/KDM2A/KDM2B  
HoiH23\_PIH23\_004249

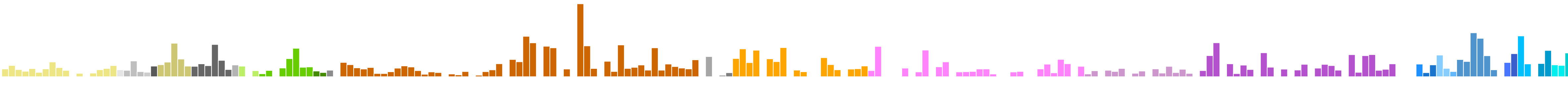


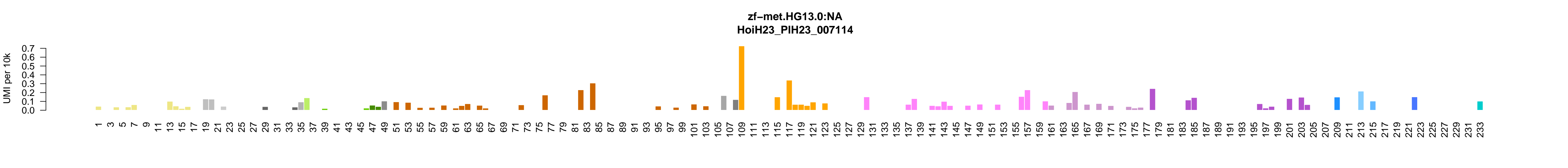
UMI per 10k

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1.2  
1.0  
0.8  
0.6  
0.4  
0.2  
0.0

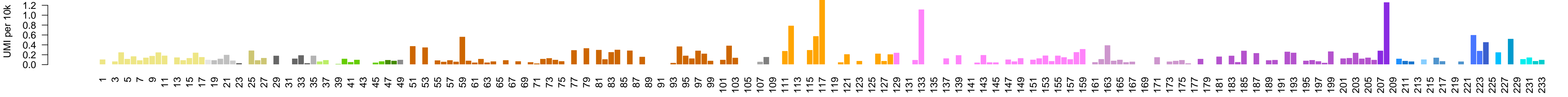
zf-met.HG10.0:SCAPER  
HoiH23\_PIH23\_004898

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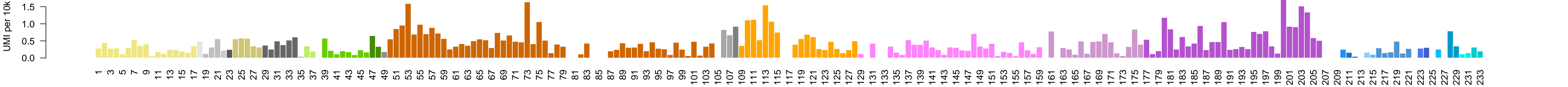




zf-met.HG3.5:like:ZFR/ZFR2  
HoiH23\_PIH23\_007791

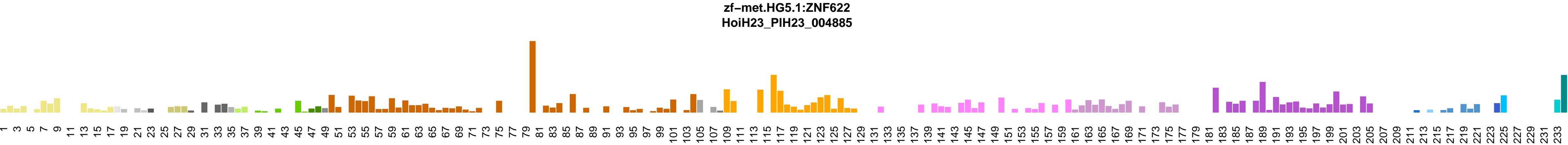


zf-met.HG5.1:ZNF622  
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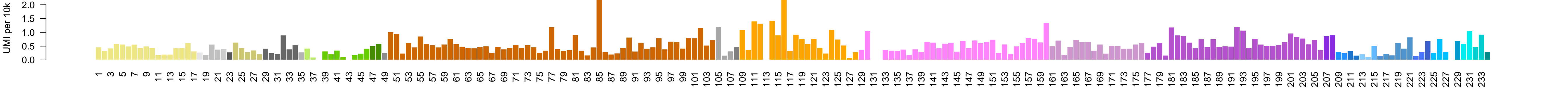


UMI per 10k

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0.8  
0.6  
0.4  
0.2  
0.0



zf-met.HG7.0:ZMAT2  
HoiH23\_PIH23\_006731





zf-MIZ.HG1.2:like:PIAS1/PIAS2/PIAS3/PIAS4  
HoiH23\_PIH23\_009359

