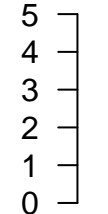


regulating_synaptic_membrane_exocytosis_2 | FYVE_2/C2/C2/
Hhon_g00025.t1

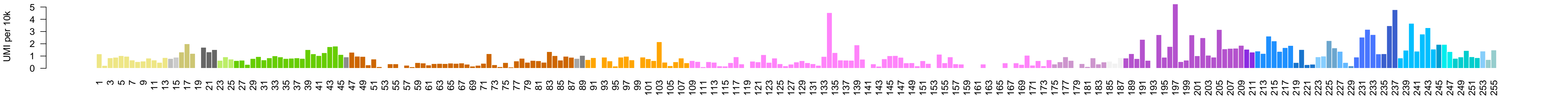
UMI per 10k



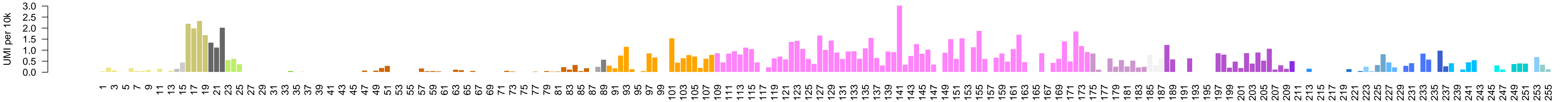
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t_SNARE_domain_containing_1 | Syntaxin_2/SNARE/
Hhon_g00160.t1

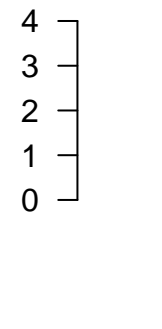


glutamate_metabotropic_receptor_5 | ANF_receptor/NCD3G/7tm_3/FGE-sulfatase/FGE-sulfatase/Meth...
Hhon_g00171.t1

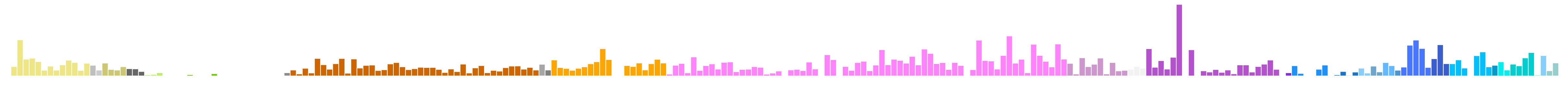


| DinB_2/FGE-sulfatase/FGE-sulfatase/
Hhon_g00172.t1

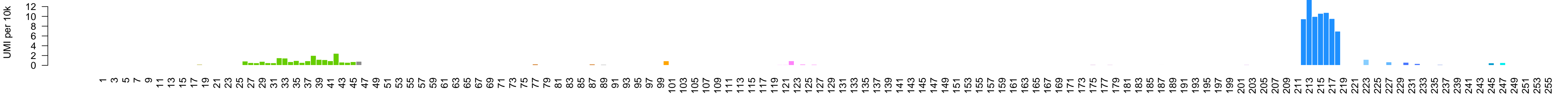
UMI per 10k



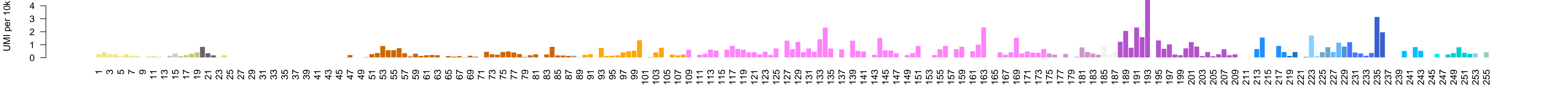
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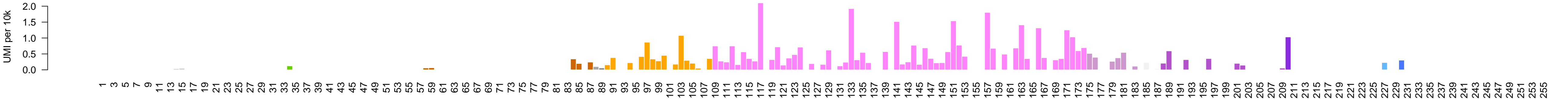
vesicle_associated_membrane_protein_3 | Synaptobrevin/
Hhon_g00196.t1



semaphorin_5A | Sema/PSI/
Hhon_g00410.t1

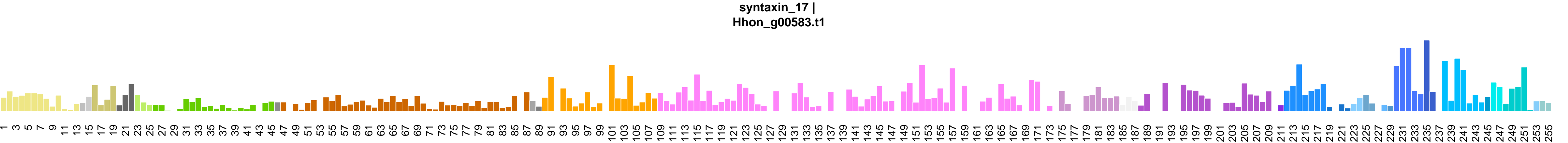


semaphorin_5B | Sema/TSP_1/TSP_1/TSP_1/TSP_1/
Hhon_g00414.t1

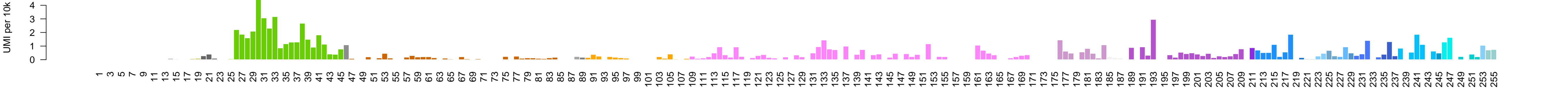


UMI per 10k

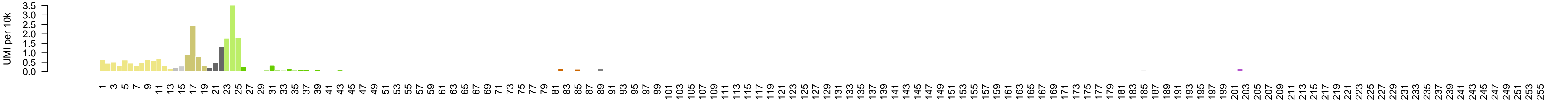
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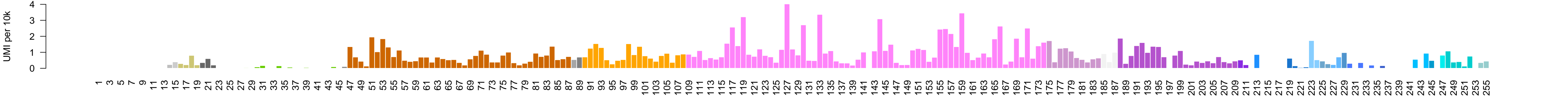
unc_13_homolog_B | C2/C1_1/C2/DUF1041/Membr_traf_MHD/C2/
Hhon_g00633.t1



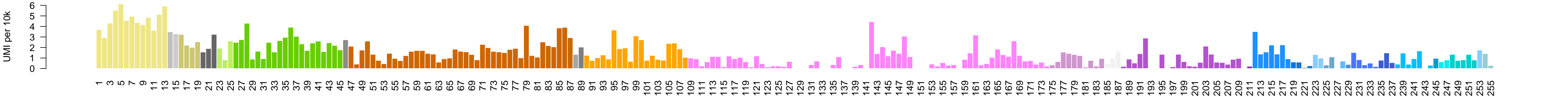
glutamate_metabotropic_receptor_3 | ANF_receptor/NCD3G/7tm_3/
Hhon_g00663.t1



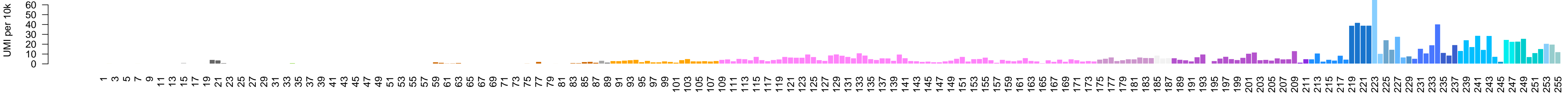
RIMS_binding_protein_2 | SH3_2/SH3_9/
Hhon_g00765.t1



quinoid_dihydropteridine_reductase |
Hhon_g00860.t1



carboxypeptidase_D | Peptidase_M14/CarboxypepD_reg/
Hhon_g00958.t1

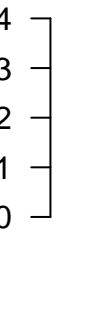


carboxypeptidase_D | Peptidase_M14/CarboxypepD_reg/
Hhon_g01018.t1

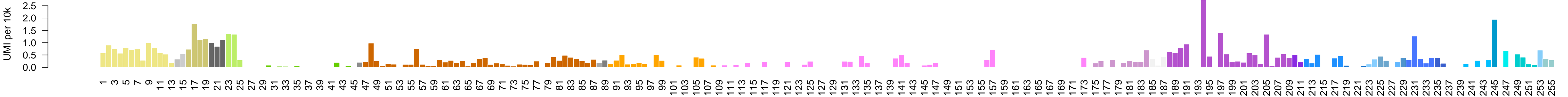


butyrylcholinesterase | COesterase/
Hhon_g01145.t1

UMI per 10k



butyrylcholinesterase | COesterase/
Hhon_g01146.t1

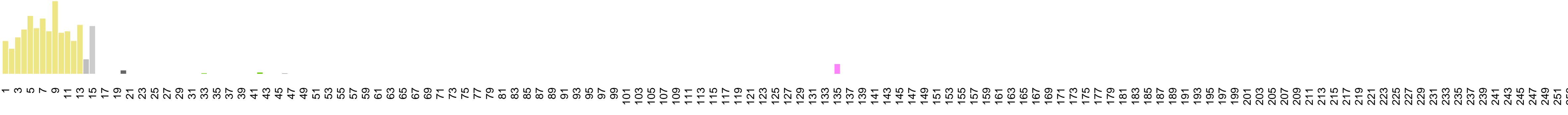
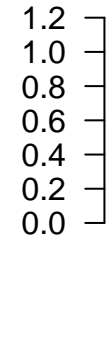


butyrylcholinesterase | COesterase/COesterase/
Hhon_g01147.t1

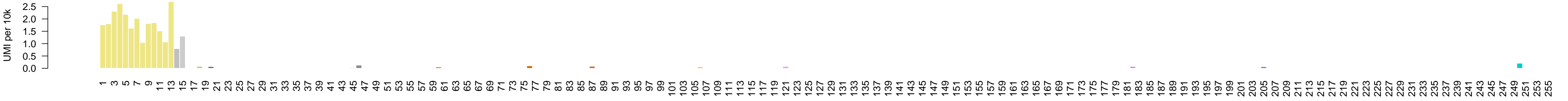


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Hhon_g01148.t1

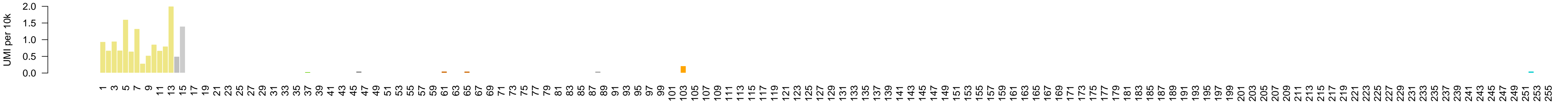
UMI per 10k



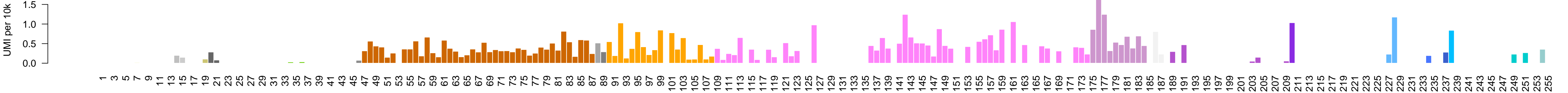
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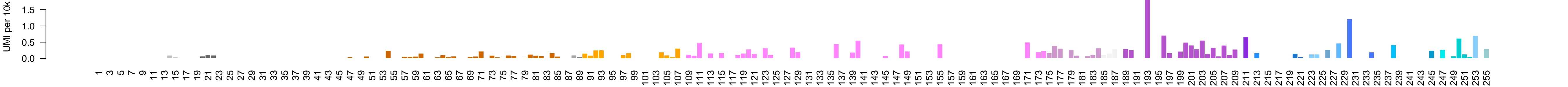
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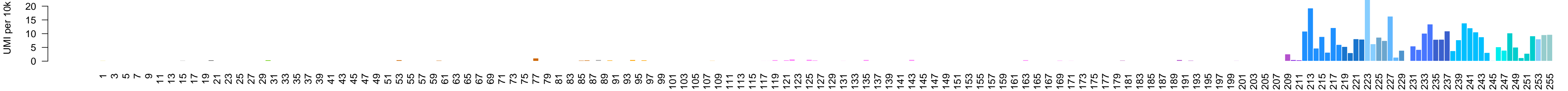
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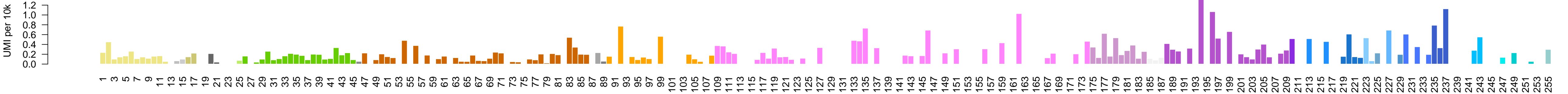
neurologin_4_X_linked | COesterase/
Hhon_g01161.t1



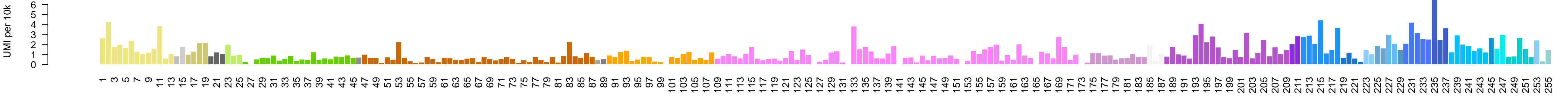
proprotein_convertase_subtilisin_kexin_type_1 | S8_pro-domain/Peptidase_S8/P_proprotein/
Hhon_g01213.t1



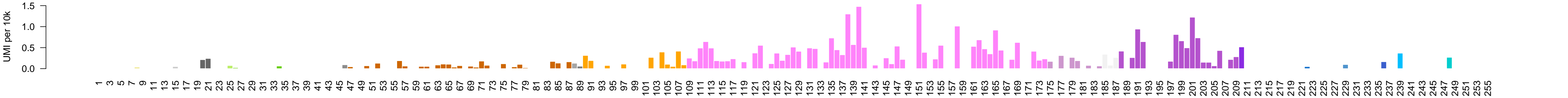
proprotein_convertase_subtilisin_kexin_type_5 | S8_pro-domain/Peptidase_S8/P_proprotein/Furin-like_2/Furi...
Hhon_g01217.t1



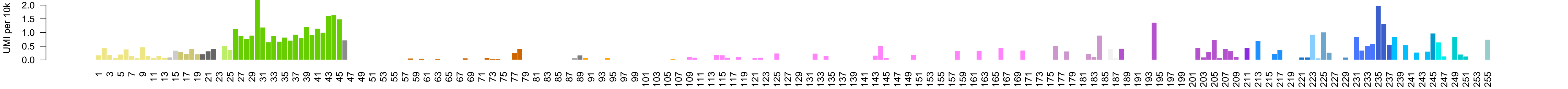
syntaxin_6 | Syntaxin-6_N/
Hhon_g01241.t1



**synaptotagmin_10 | C2/C2/
Hhon_g01247.t1**

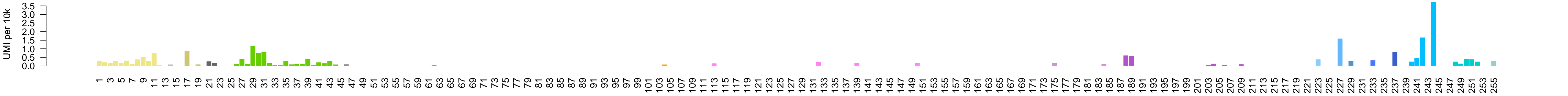


EPH_receptor_B1 | Ephrin_rec_like/fn3/EphA2_TM/Pkinase_Tyr/SAM_2/
Hhon_g01331.t1



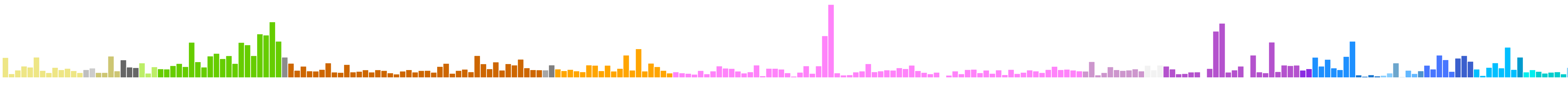
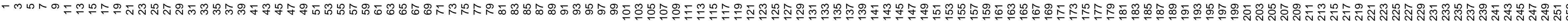
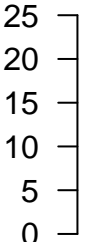
slit_guidance_ligand_2 | LRRNT/LRR_8/LRRNT/LRR_8/LRR_8/LRRCT/LRR_8/LRRNT/LRR_8/LRR...

Hhon_g01371.t1

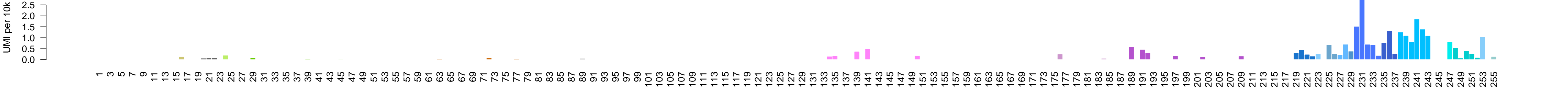


**synaptogyrin_1 | MARVEL/
Hhon_g01441.t1**

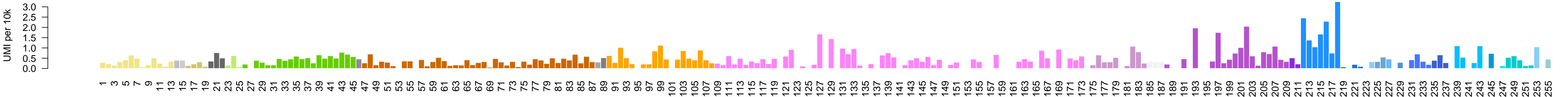
UMI per 10k



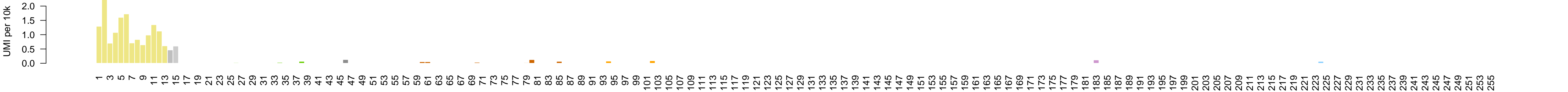
calcium_voltage_gated_channel_subunit_alpha1_l | lon_trans/lon_trans/lon_trans/lon_trans/
Hhon_g01453.t1



SEC22_homolog_B_vesicle_trafficking_protein | Longin/Synaptobrevin/
Hhon_g01553.t1



glutamate_ionotropic_receptor_kainate_type_subunit_1 | ANF_receptor/Lig_chan-Glu_bd/Lig_chan/
Hhon_g01988.t1

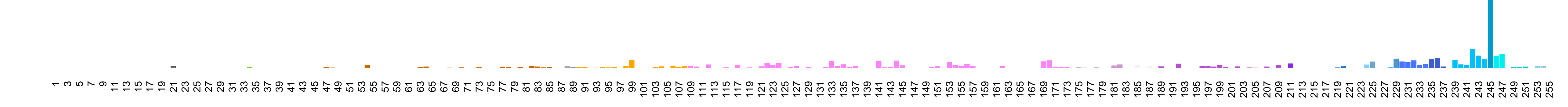


PTPRF_interacting_protein_alpha_1 | SAM_1/SAM_1/SAM_2/
Hhon_g01999.t1

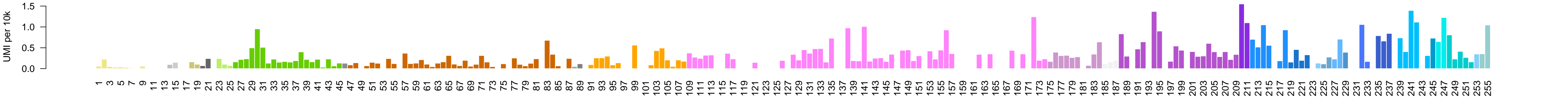
UMI per 10k

8
6
4
2
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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

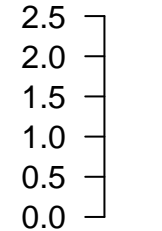


calcium_dependent_secretion_activator_2 | PH/DUF1041/
Hhon_g02164.t1



glutamate_ionotropic_receptor_kainate_type_subunit_2 | ANF_receptor/Lig_chan-Glu_bd/Lig_chan/
Hhon_g02946.t1

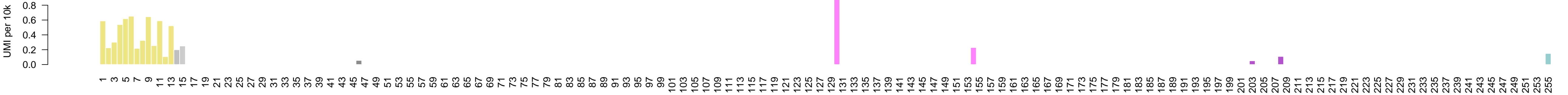
UMI per 10k



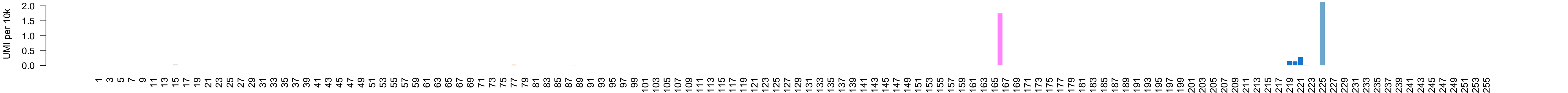
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glutamate_ionotropic_receptor_AMPA_type_subunit_1 | ANF_receptor/Lig_chan-Glu_bd/Lig_chan/
Hhon_g02972.t1



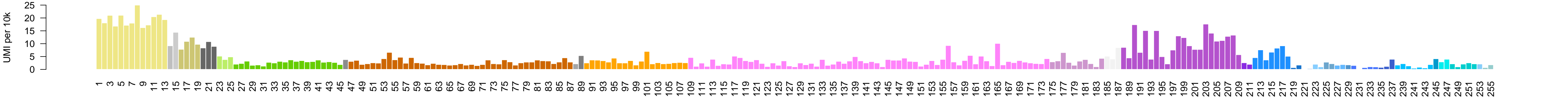
calcium_sensing_receptor | ANF_receptor/NCD3G/7tm_3/
Hhon_g03029.t1



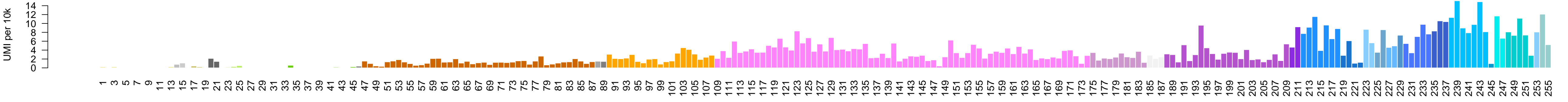
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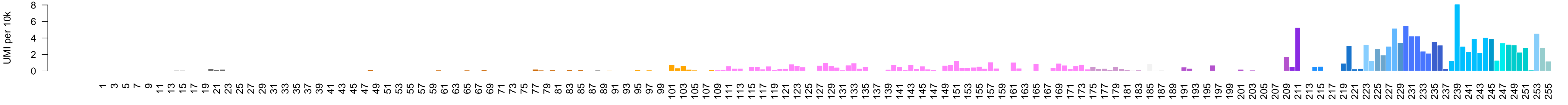
discs_large_MAGUK_scaffold_protein_1 | L27_1/PDZ/PDZ/PDZ/SH3_1/Guanylate_kin/
Hhon_g03162.t1



**synaptotagmin_1 | C2/C2/
Hhon_g03362.t1**



**synaptotagmin_7 | C2/C2/
Hhon_g03364.t1**



UMI per 10k

500
400
300
200
100
0



CASK_interacting_protein_1 | Ank_2/Ank_2/Ank_2/SAM_2/
Hhon_g03480.t1



potassium_voltage_gated_channel_subfamily_B_member_1 | BTB_2/Ion_trans/
Hhon_g03542.t1

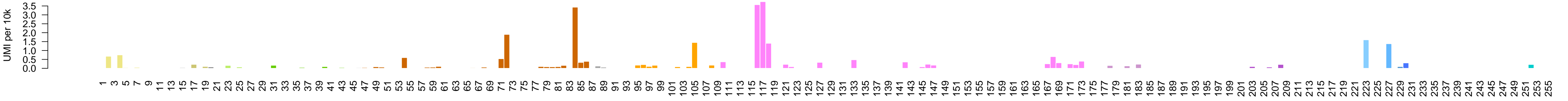
UMI per 10k

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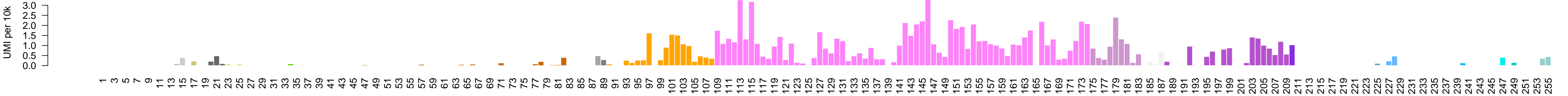
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255

DLG_associated_protein_1 | GKAP/
Hhon_g03573.t1



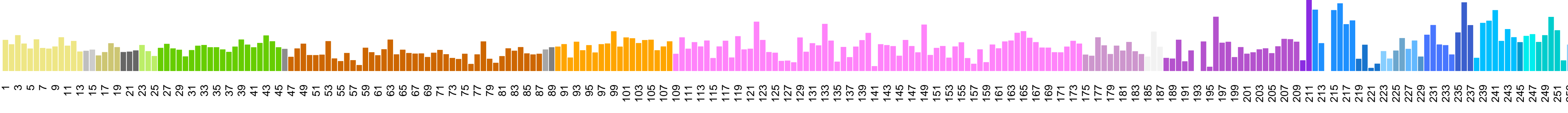
netrin_1 | Laminin_EGF/Laminin_EGF/NTR/
Hhon_g03769.t1



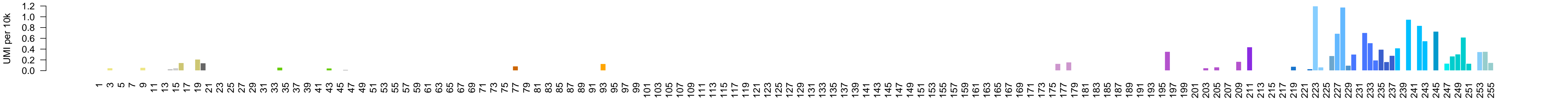
UMI per 10k

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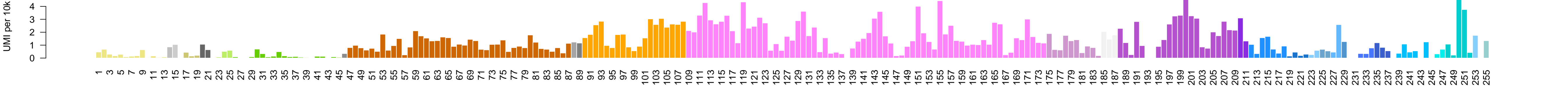
syntxin_8 |
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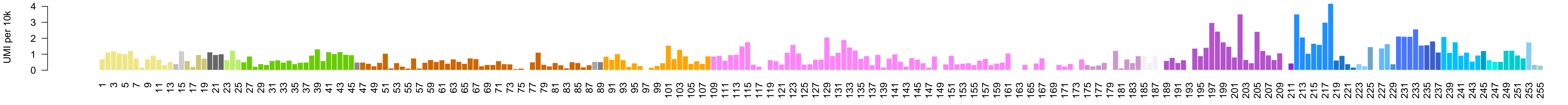
calcium_voltage_gated_channel_subunit_alpha1_C | Ion_trans/Ion_trans/Ion_trans/Ion_trans/GPHH/Ca_chan_IQ/
Hhon_g03844.t1



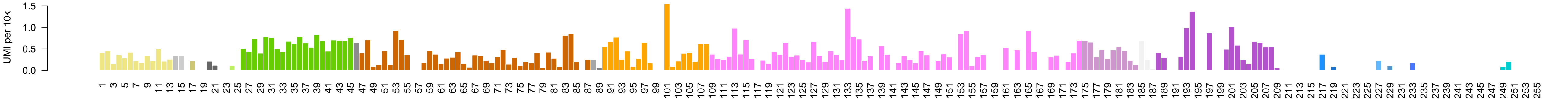
poly_ADP_ribose_polymerase_1 | Spond_N/zf-PARP/PADR1/WGR/PARP_reg/PARP/
Hhon_g03951.t1



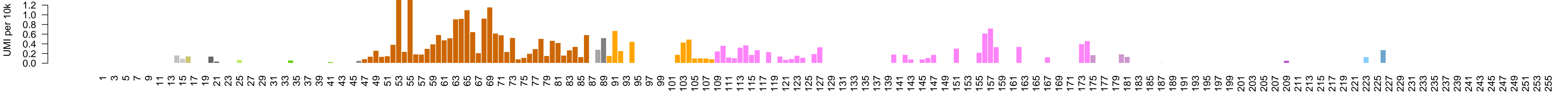
**syntaxin_5 | Syntaxin-5_N/SNARE/
Hhon_g03976.t1**



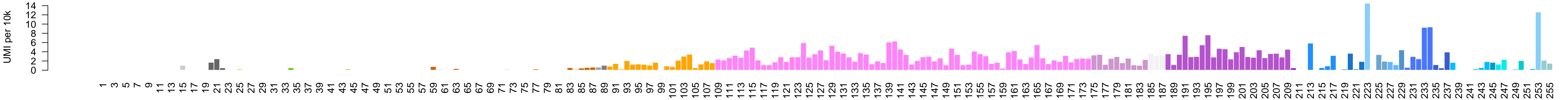
nitric_oxide_synthase_1 | NO_synthase/Flavodoxin_1/FAD_binding_1/NAD_binding_1/
Hhon_g04041.t1



glutamate_ionotropic_receptor_kainate_type_subunit_2 | Lig_chan-Glu_bd/Lig_chan/
Hhon_g04079.t1



peptidylglycine_alpha_amidating_monooxygenase | Cu2_monooxygen/Cu2_monoox_C/NHL/NHL/
Hhon_g04121.t1



UMI per 10k

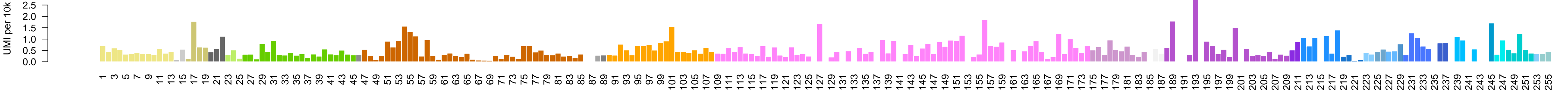
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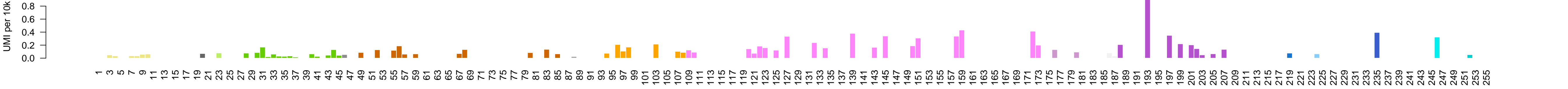
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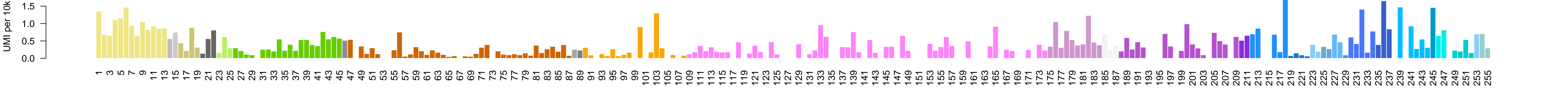
inositol_1_4_5_trisphosphate_receptor_type_1 | Ins145_P3_rec/MIR/RYDR_ITPR/RYDR_ITPR/RIH_assoc/Ion_trans/
Hhon_g04342.t1



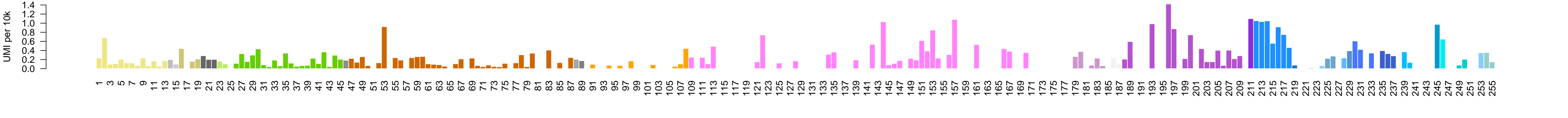
ATPase_plasma_membrane_Ca2_transporting_2 | Cation_ATPase_N/E1-E2_ATPase/E1-E2_ATPase/Cation_ATPase/H...
Hhon_g04364.t1



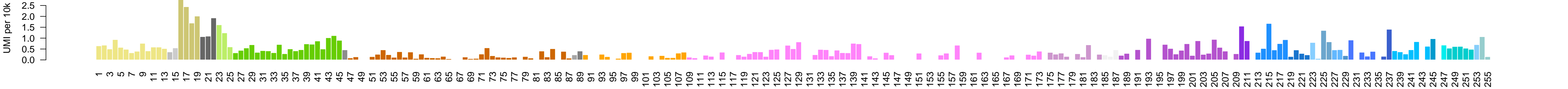
syntaxin_16 | SNARE/
Hhon_g04453.t1



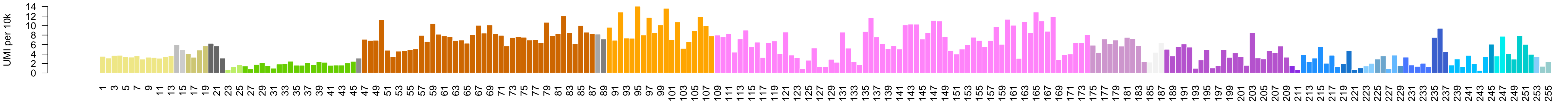
membrane_bound_transcription_factor_peptidase_site_1 | Peptidase_S8/
Hhon_g04498.t1



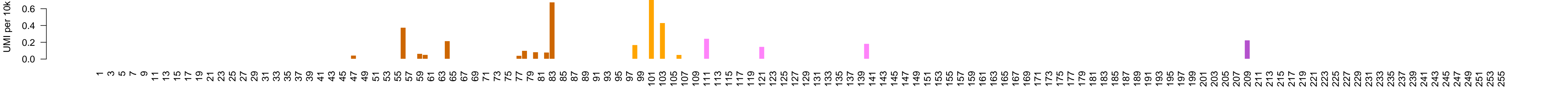
protein_kinase_C_alpha | C1_1/C1_1/C2/Pkinase/Pkinase_C/
Hhon_g04801.t1



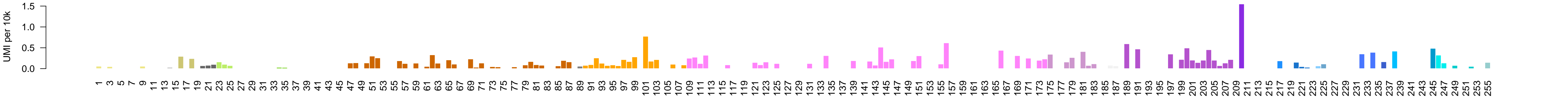
lin_7_homolog_C_crums_cell_polarity_complex_component | L27/PDZ/
Hhon_g04884.t1



carboxypeptidase_D | Peptidase_M14/CarboxypepD_reg/
Hhon_g04901.t1



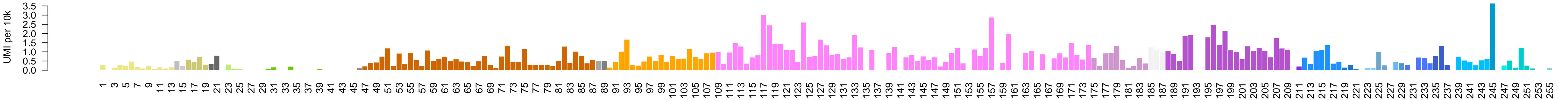
SV2_related_protein | Sugar_tr/
Hhon_g05038.t1



signal_induced_proliferation_associated_1_like_1 | Rap_GAP/
Hhon_g05167.t1

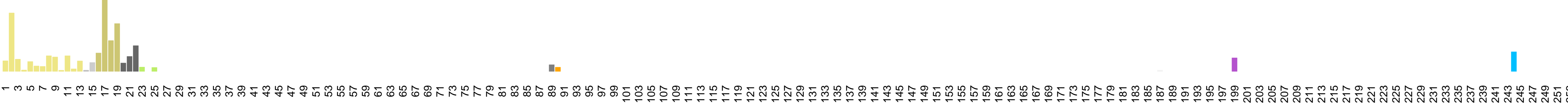


membrane_associated_guanylate_kinase_WW_and_PDZ_domain_containing_1 | PDZ/Guanylate_kin/WW/PDZ/PDZ/PDZ/PDZ_6/
Hhon_g05213.t1

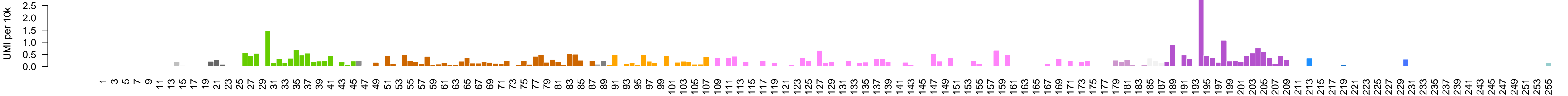


calcium_sensing_receptor | ANF_receptor/7tm_3/
Hhon_g05225.t1

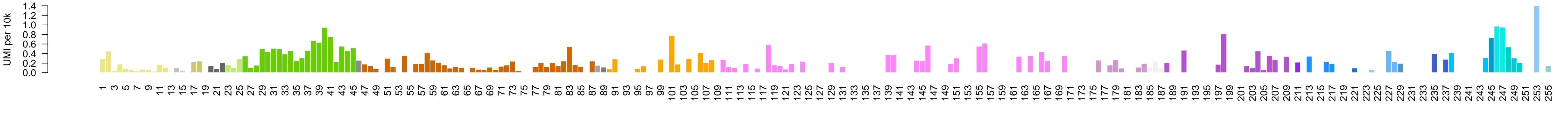
UMI per 10k



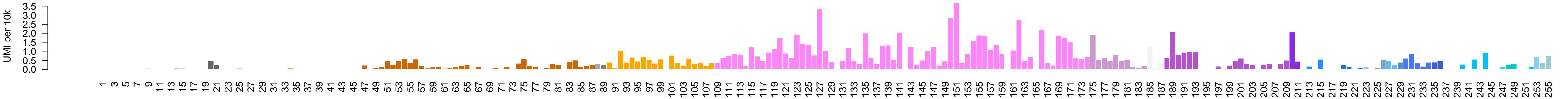
calcium_sensing_receptor | ANF_receptor/7tm_3/
Hhon_g05230.t1



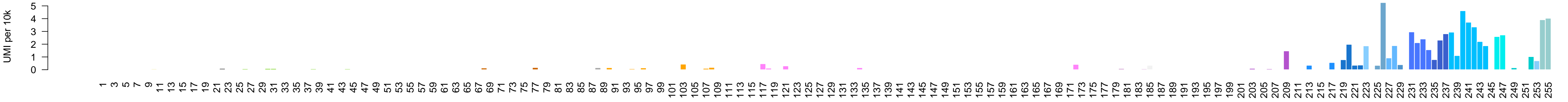
calcium_calmodulin_dependent_serine_protein_kinase | Pkinase/L27/PDZ/Guanylate_kin/
Hhon_g05233.t1



inositol_1_4_5_trisphosphate_receptor_type_1 | Ins145_P3_rec/MIR/RYDR_ITPR/RYDR_ITPR/RIH_assoc/Ion_trans/
Hhon_g05235.t1



**synaptotagmin_like_5 | FYVE_2/C2/
Hhon_g05394.t1**



solute_carrier_family_17_member_5 | MFS_1/
Hhon_g05533.t1

UMI per 10k

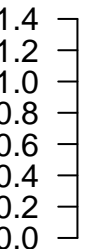
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0.0

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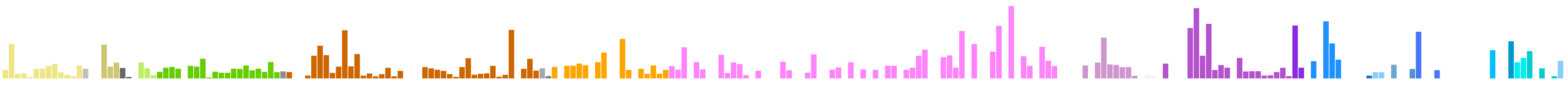
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tripeptidyl_peptidase_2 | Peptidase_S8/TPPII/
Hhon_g05568.t1

UMI per 10k



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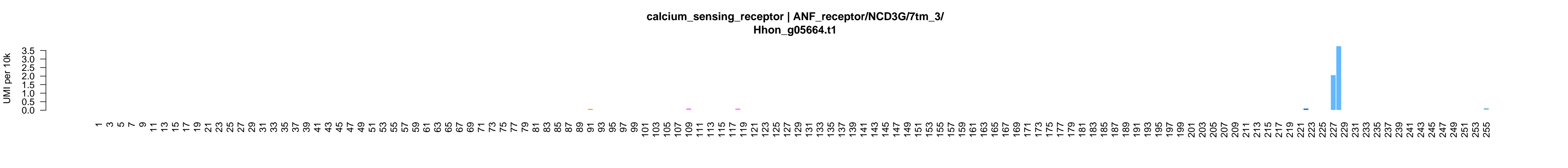
UMI per 10k

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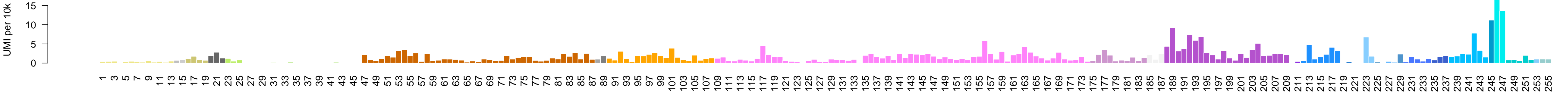
| Synaptobrevin/
Hhon_g05589.t1

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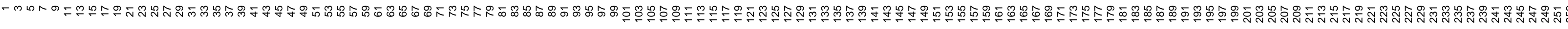
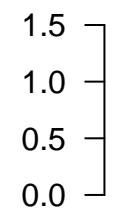


spectrin_alpha_non_erythrocytic_1 | Spectrin/Spectrin/Spectrin/Spectrin/Spectrin/Spectrin/Spe...
Hhon_g05783.t1

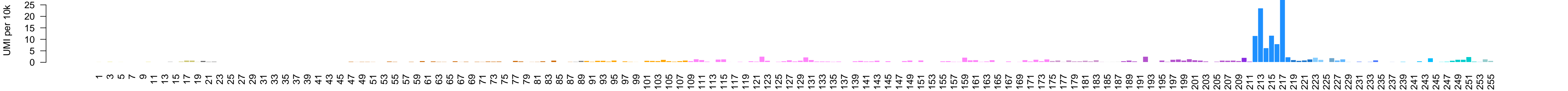


glutamate_metabotropic_receptor_3 | ANF_receptor/NCD3G/7tm_3/
Hhon_g05852.t1

UMI per 10k

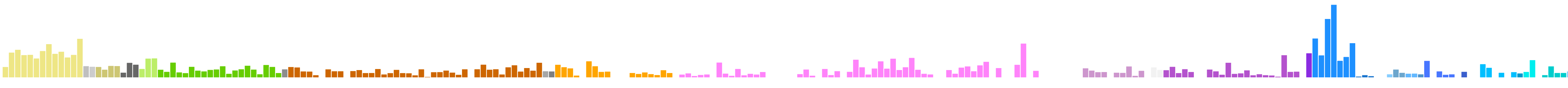
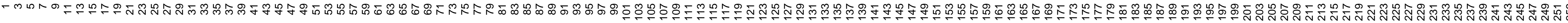
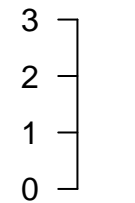


homer_scaffold_protein_2 | WH1/
Hhon_g05897.t1

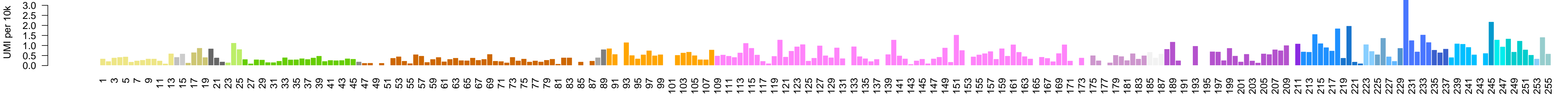


**synaptotagmin_1 | Ribosomal_S11/C2/C2/
Hhon_g05915.t1**

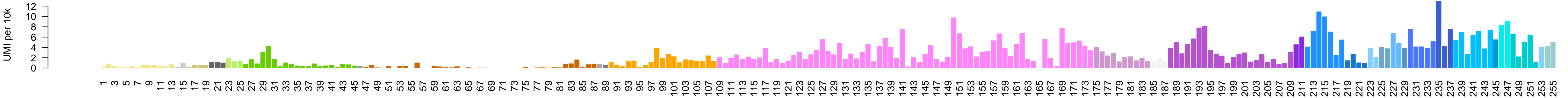
UMI per 10k



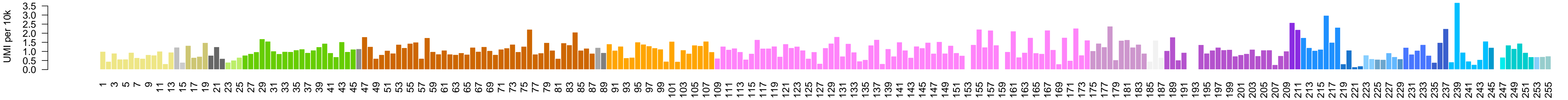
**rabphilin_3A | FYVE_2/C2/C2/
Hhon_g05981.t1**



calcium_voltage_gated_channel_subunit_alpha1_S | Ion_trans/Ion_trans/Ion_trans/Ion_trans/GPHH/Ca_chan_IQ/
Hhon_g06121.t1



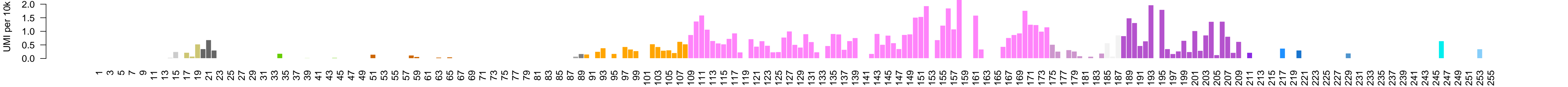
synaptoporin | MARVEL/
Hhon_g06148.t1



contactin_associated_protein_family_member_4 | Laminin_G_2/Laminin_G_2/
Hhon_g06200.t1



solute_carrier_family_6_member_13 | SNF/
Hhon_g06553.t1

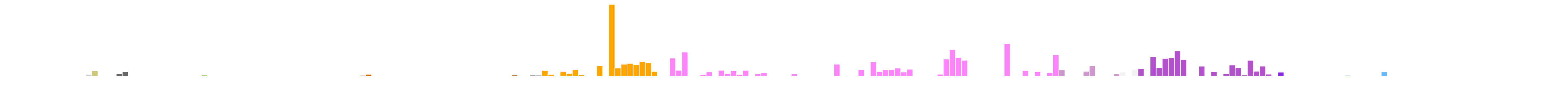


solute_carrier_family_6_member_13 | SNF/
Hhon_g06554.t1

UMI per 10k

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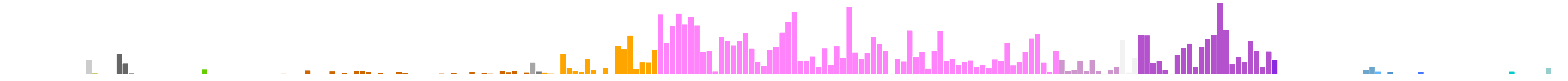


solute_carrier_family_6_member_13 | SNF/
Hhon_g06555.t1

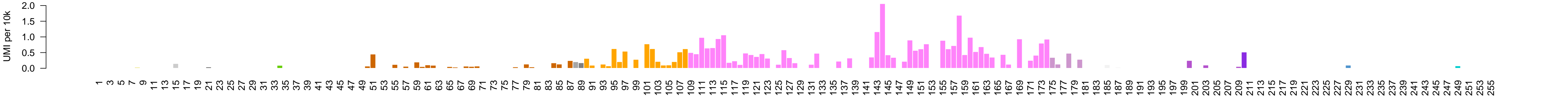
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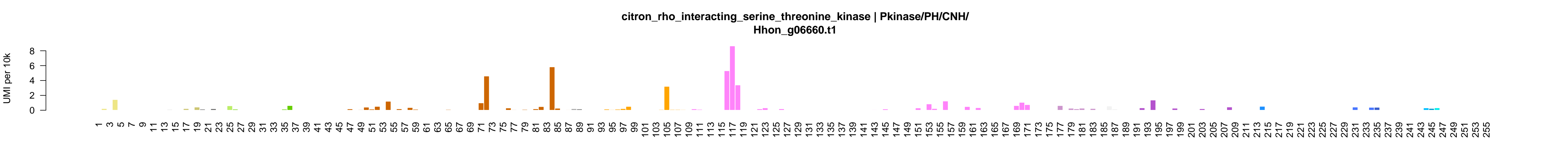
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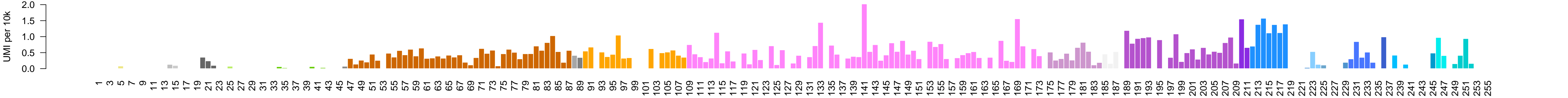


solute_carrier_family_6_member_13 | SNF/
Hhon_g06556.t1

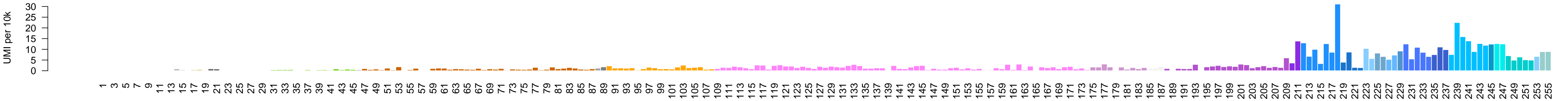




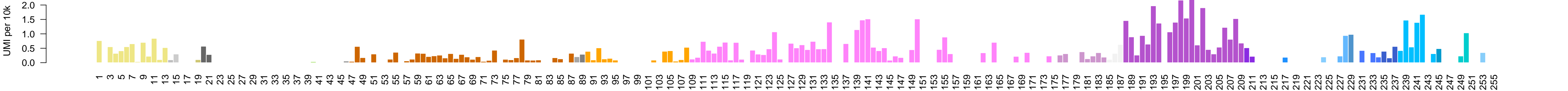
**syntaxin_1B | Syntaxin/SNARE/
Hhon_g06927.t1**



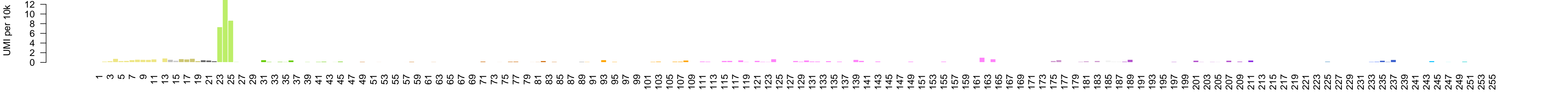
novel_protein | Synaptobrevin/
Hhon_g06937.t1



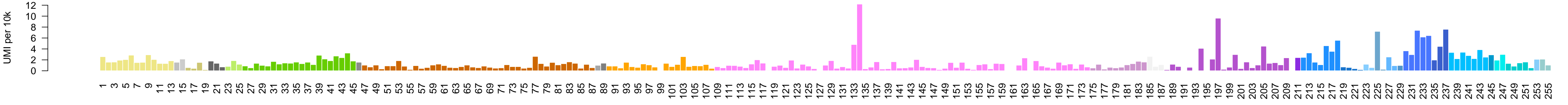
glutamate_decarboxylase_1 | Pyridoxal_deC/
Hhon_g07003.t1



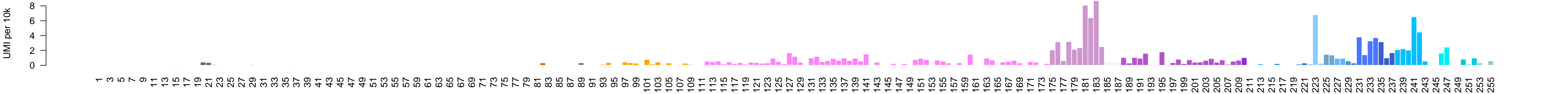
DLG_associated_protein_1 | GKAP/
Hhon_g07014.t1



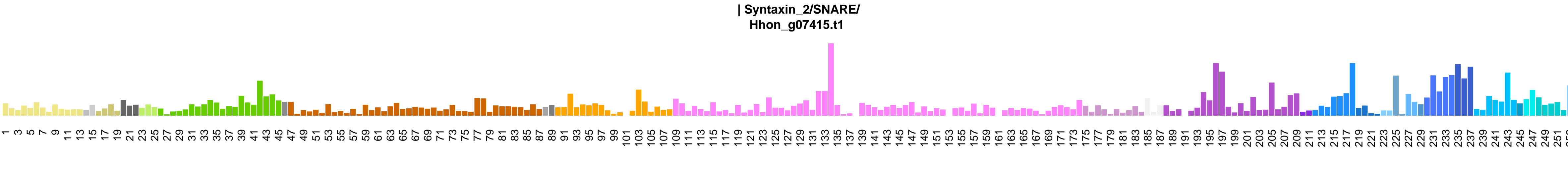
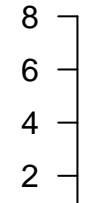
YKT6_v_SNARE_homolog | Longin/Synaptobrevin/
Hhon_g07166.t1



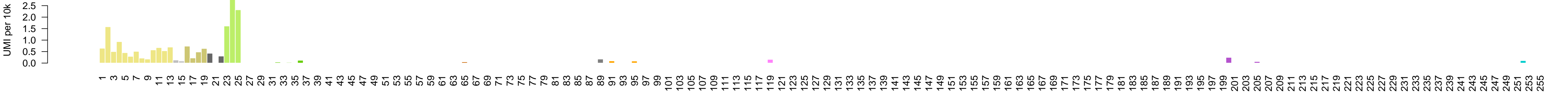
solute_carrier_family_17_member_5 | MFS_1/
Hhon_g07338.t1



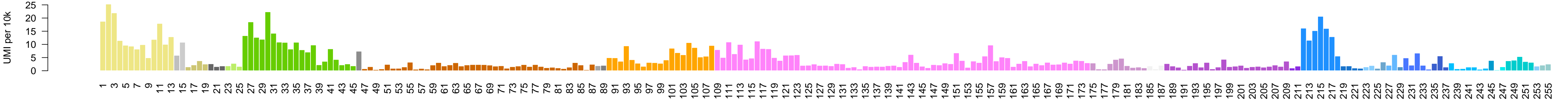
UMI per 10k



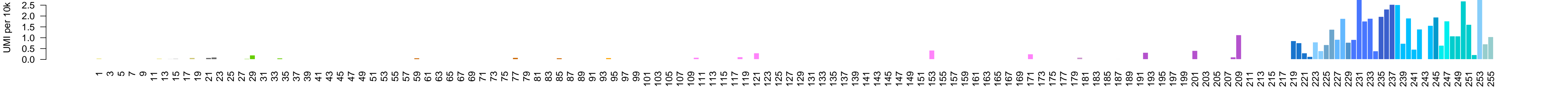
**synaptotagmin_16 | C2/C2/
Hhon_g07466.t1**



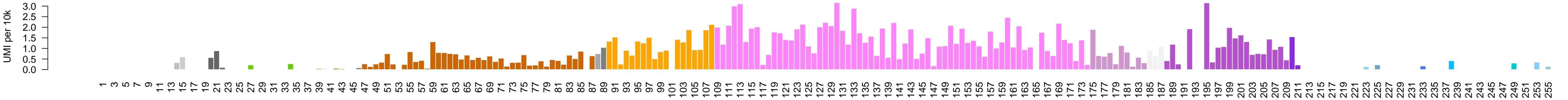
solute_carrier_family_1_member_2 | SDF/
Hhon_g07519.t1



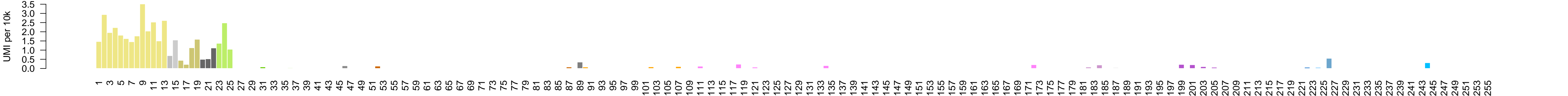
potassium_voltage_gated_channel_subfamily_C_member_1 | BTB_2/Ion_trans/
Hhon_g07625.t1



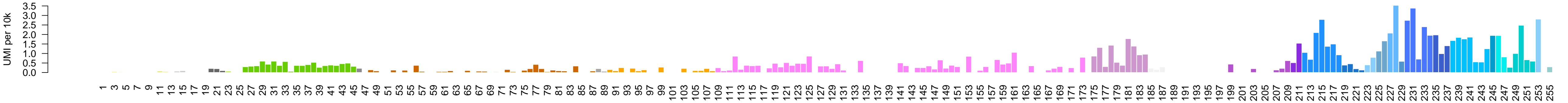
syntxin_1B | Syntxin/SNARE/
Hhon_g07818.t1



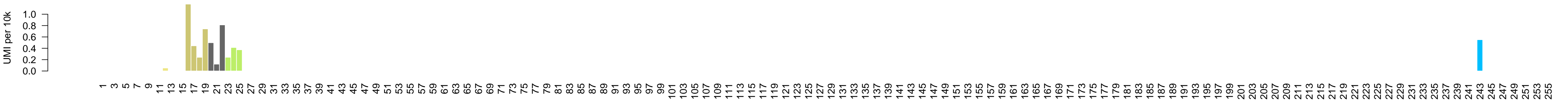
syntaxin_1B | Syntaxin/SNARE/
Hhon_g07819.t1



syntaxin_1B | Lectin_C/GPS/7tm_2/Lectin_C/Syntaxin/SNARE/
Hhon_g07820.t1



calcium_sensing_receptor | ANF_receptor/NCD3G/7tm_3/
Hhon_g07940.t1



proprotein_convertase_subtilisin_kexin_type_7 | S8_pro-domain/Peptidase_S8/P_proprotein/
Hhon_g08092.t1

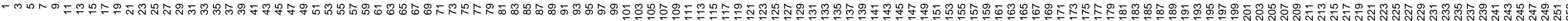
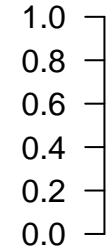
UMI per 10k

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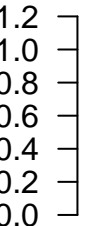
sodium_voltage_gated_channel_alpha_subunit_1 | Ion_trans/GPHH/
Hhon_g08312.t1

UMI per 10k



sodium_voltage_gated_channel_alpha_subunit_3 | Ion_trans/Ion_trans/Ion_trans/
Hhon_g08313.t1

UMI per 10k



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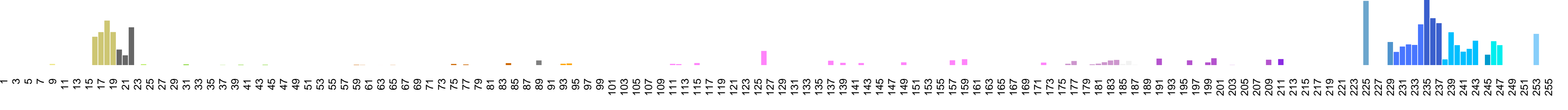


contactin_6 | I-set/Ig_3/Ig_3/fn3/fn3/fn3/fn3/Bravo_FIGEY/
Hhon_g08396.t1

UMI per 10k

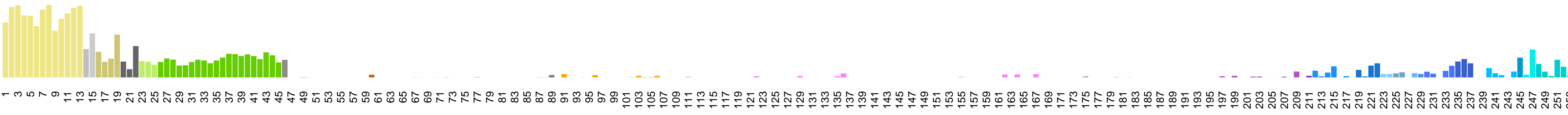
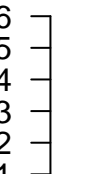
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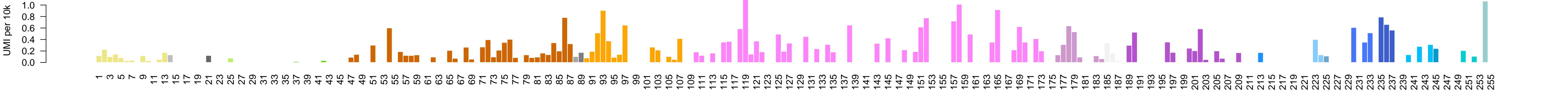


vesicle_associated_membrane_protein_4 | Synaptobrevin/
Hhon_g08610.t1

UMI per 10k

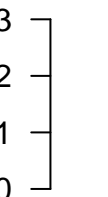


syntaxin_binding_protein_4 | PDZ/PDZ/WW/
Hhon_g08725.t1



agrin | NtA/Kazal_2/Kazal_2/Laminin_G_1/Laminin_G_2/Laminin_G_1/L...
Hhon_g08745.t1

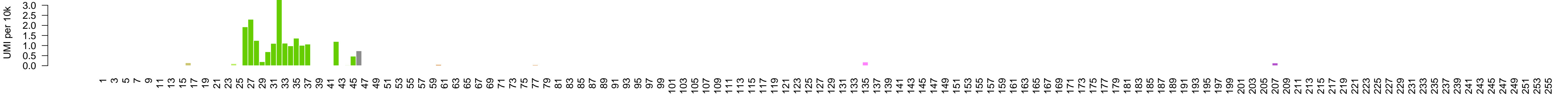
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dopa_decarboxylase | Pyridoxal_deC/
Hhon_g08768.t1



carboxypeptidase_D | Peptidase_M14/CarboxypepD_reg/
Hhon_g08971.t1

UMI per 10k

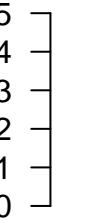
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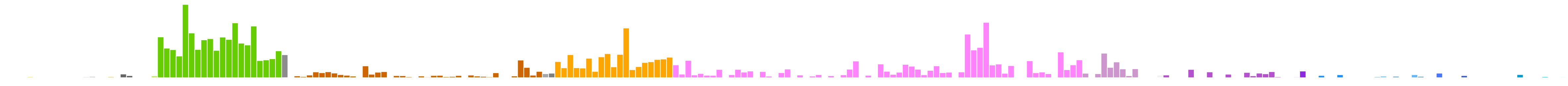


carboxypeptidase_D | Peptidase_M14/CarboxypepD_reg/
Hhon_g08973.t1

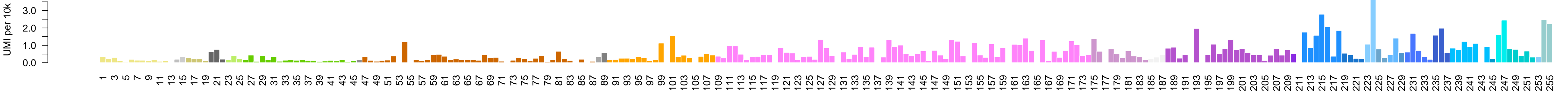
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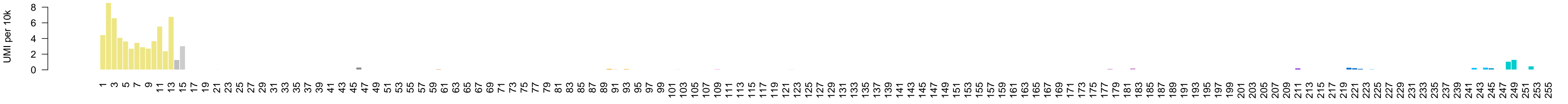
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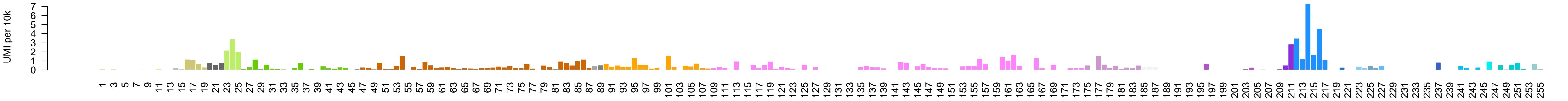
syntaxin_binding_protein_5_like | LLGL/Lgl_C/
Hhon_g09105.t1



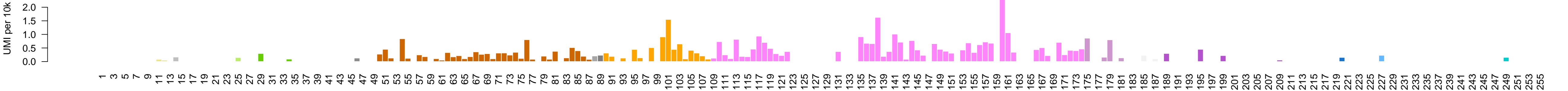
**solute_carrier_family_6_member_13 | SNF/
Hhon_g09268.t1**



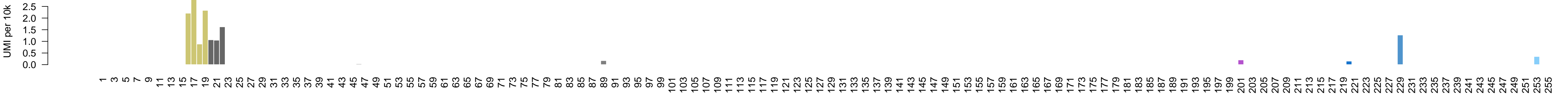
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Hhon_g09269.t1



**solute_carrier_family_6_member_13 | SNF/
Hhon_g09271.t1**

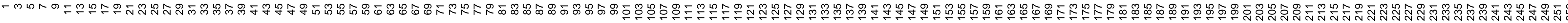
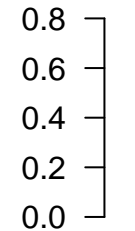


butyrylcholinesterase | COesterase/
Hhon_g09790.t1



sodium_voltage_gated_channel_alpha_subunit_3 | Ion_trans/Ion_trans/Ion_trans/
Hhon_g10012.t1

UMI per 10k



16

17

18

19

20

21

22

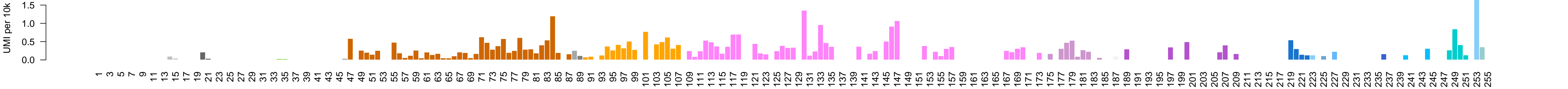
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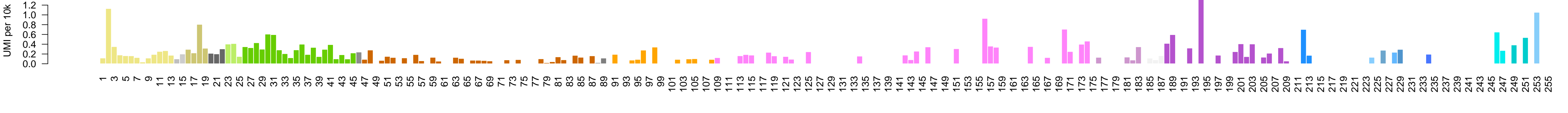
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189

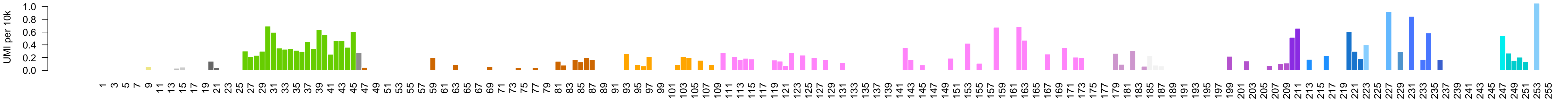
monooxygenase_DBH_like_1 | DOMON/Cu2_monooxygen/Cu2_monoox_C/
Hhon_g10054.t1



SLIT_ROBO_Rho_GTPase_activating_protein_3 | FCH/RhoGAP/
Hhon_g10061.t1

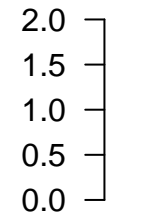


**solute_carrier_family_17_member_6 | MFS_1/
Hhon_g10108.t1**



calcium_sensing_receptor | ANF_receptor/7tm_3/
Hhon_g10145.t1

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 99 101 103 105 107 109 111 113 115 117 119 121 123 125 127 129 131 133 135 137 139 141 143 145 147 149 151 153 155 157 159 161 163 165 167 169 171 173 175 177 179 181 183 185 187 189 191 193 195 197 199 201 203 205 207 209 211 213 215 217 219 221 223 225 227 229 231 233 235 237 239 241 243 245 247 249 251 253 255

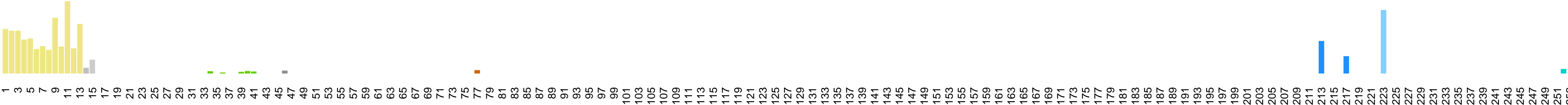


calcium_sensing_receptor | ANF_receptor/NCD3G/7tm_3/
Hhon_g10146.t1



calcium_sensing_receptor | ANF_receptor/7tm_3/
Hhon_g10147.t1

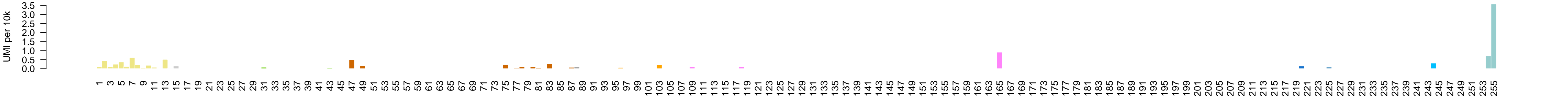
UMI per 10k



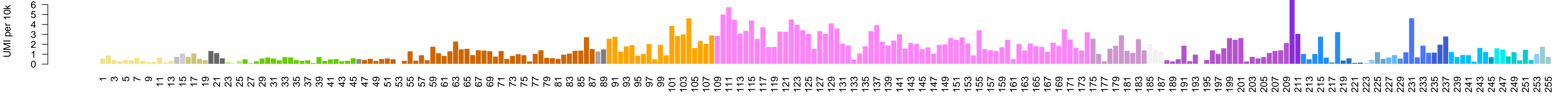
FERM_PDZ_domain_containing_1 |
Hhon_g10156.t1



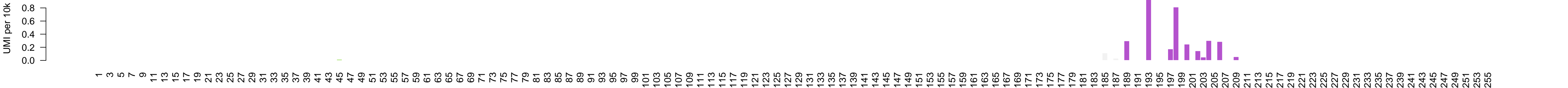
glutamate_metabotropic_receptor_7 | ANF_receptor/NCD3G/7tm_3/
Hhon_g10198.t1



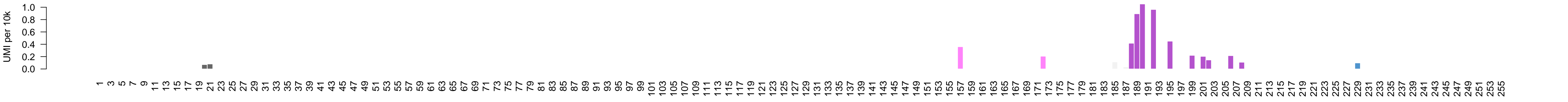
**synaptotagmin_1 | C2/C2/
Hhon_g10206.t1**



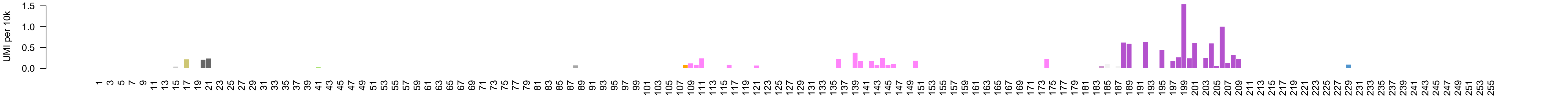
synaptic_vesicle_glycoprotein_2C | MFS_1/MFS_1/
Hhon_g10595.t1



synaptic_vesicle_glycoprotein_2C | MFS_1/MFS_1/
Hhon_g10597.t1



synaptic_vesicle_glycoprotein_2B | MFS_1/
Hhon_g10599.t1



synaptic_vesicle_glycoprotein_2B | MFS_1/
Hhon_g10600.t1

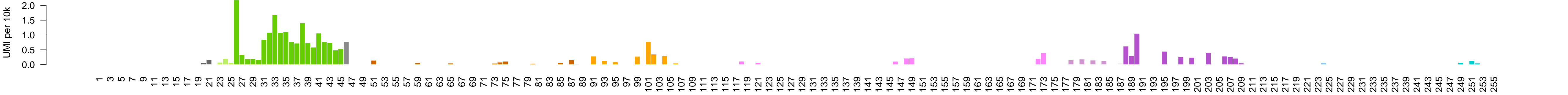
UMI per 10k

1.5
1.0
0.5
0.0

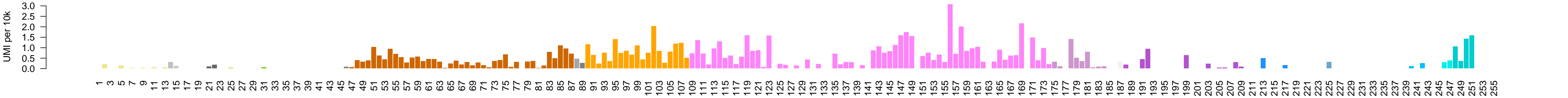
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synaptic_vesicle_glycoprotein_2B | Sugar_tr/MFS_1/
Hhon_g10601.t1

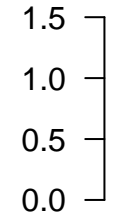


solute_carrier_family_6_member_13 | SNF/
Hhon_g10708.t1

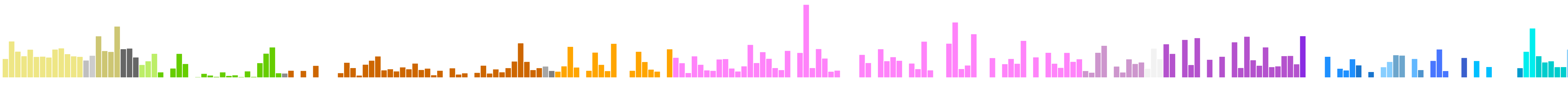


synaptogyrin_1 | MARVEL/
Hhon_g10953.t1

UMI per 10k



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UMI per 10k

4
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glutamate_metabotropic_receptor_2 | ANF_receptor/NCD3G/7tm_3/
Hhon_g11146.t1

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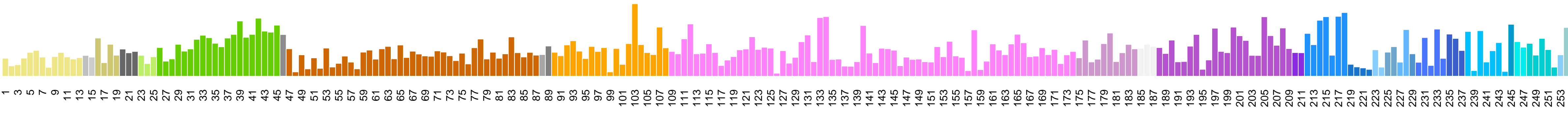
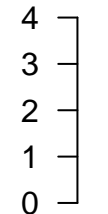
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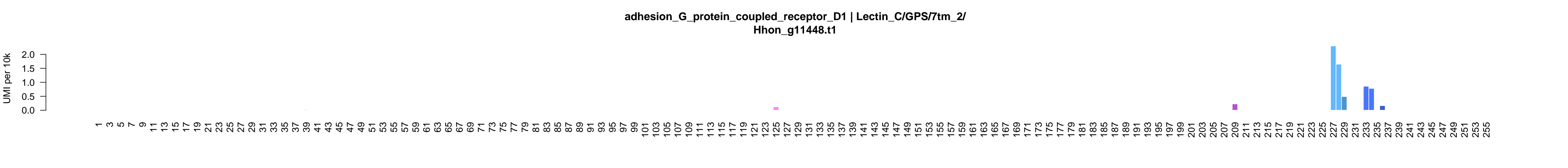
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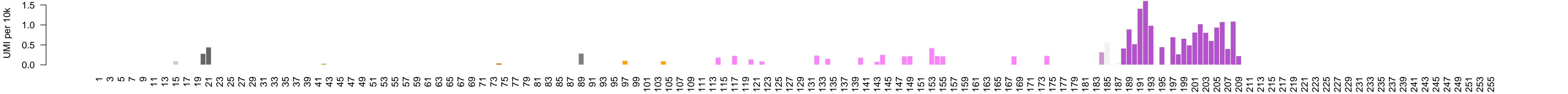
vesicle_associated_membrane_protein_7 | Longin/Synaptobrevin/
Hhon_g11229.t1

UMI per 10k

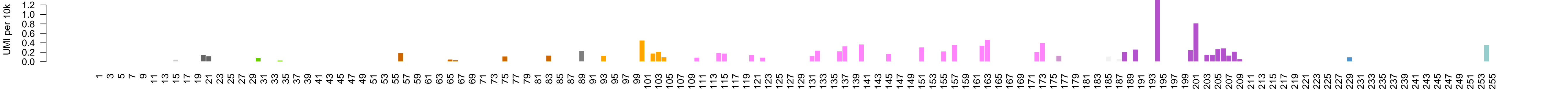




synaptic_vesicle_glycoprotein_2B | MFS_1/
Hhon_g11518.t1



synaptic_vesicle_glycoprotein_2B | MFS_1/
Hhon_g11519.t1

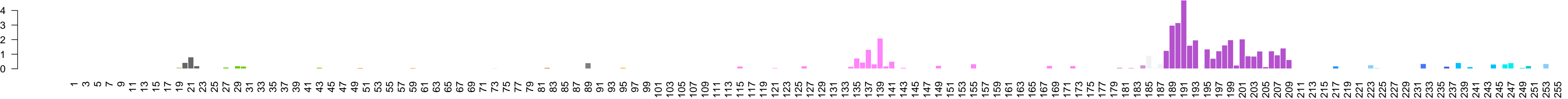


synaptic_vesicle_glycoprotein_2B | MFS_1/
Hhon_g11520.t1

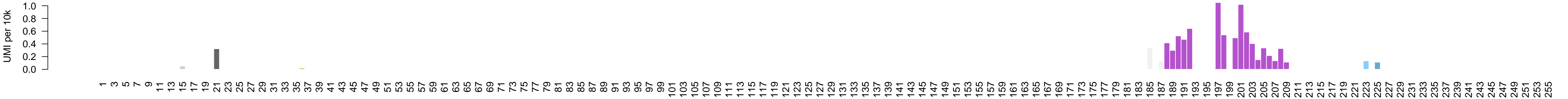
UMI per 10k

4
3
2
1
0

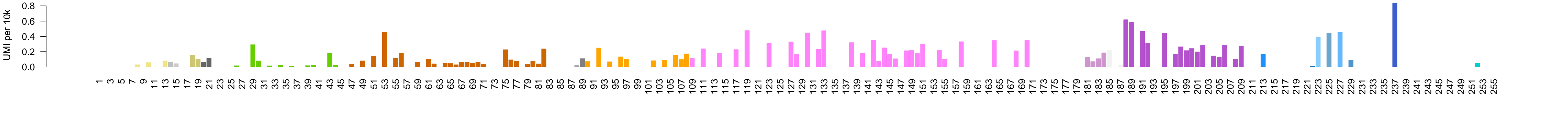
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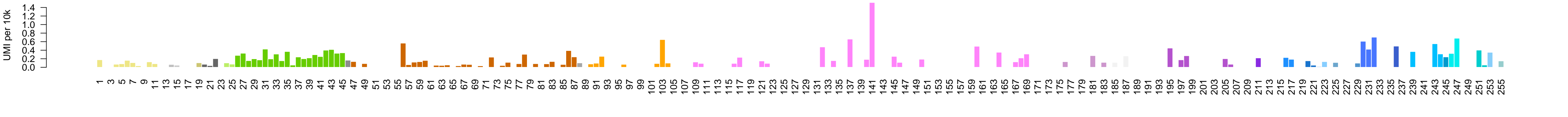
synaptic_vesicle_glycoprotein_2C | Sugar_tr/
Hhon_g11521.t1



synaptic_vesicle_glycoprotein_2C | MFS_1/
Hhon_g11524.t1



synaptic_vesicle_glycoprotein_2C | MFS_1/
Hhon_g11572.t1



solute_carrier_family_17_member_6 | MFS_1/
Hhon_g11731.t1

