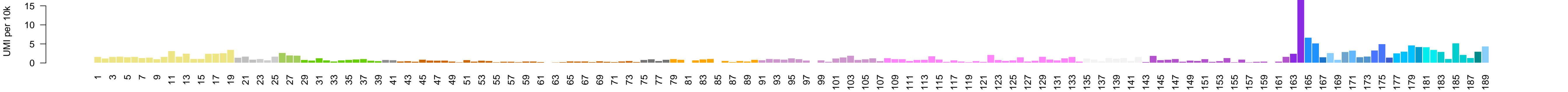
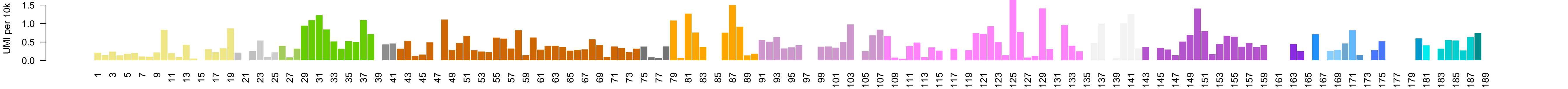


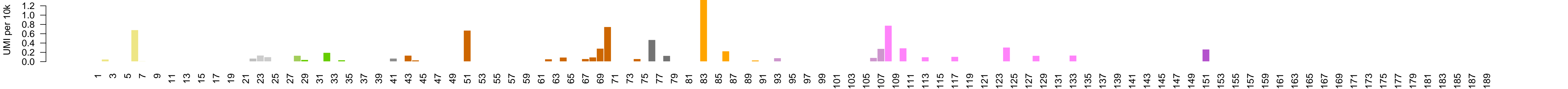
calcium\_calmodulin\_dependent\_protein\_kinase\_II\_delta | Pkinase/CaMKII\_AD/  
Tadh\_TriadG50756



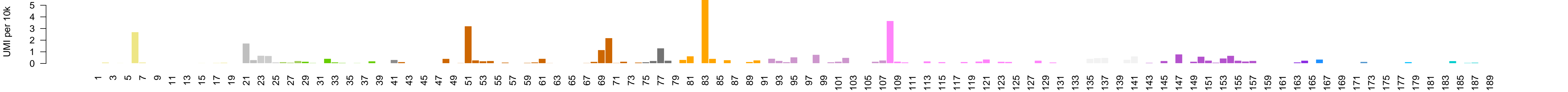
calcium\_calmodulin\_dependent\_serine\_protein\_kinase | Pkinase/L27/PDZ/Guanylate\_kin/  
Tadh\_TriadG55243



citron\_rho\_interacting\_serine\_threonine\_kinase | Pkinase/  
Tadh\_TriadG27610

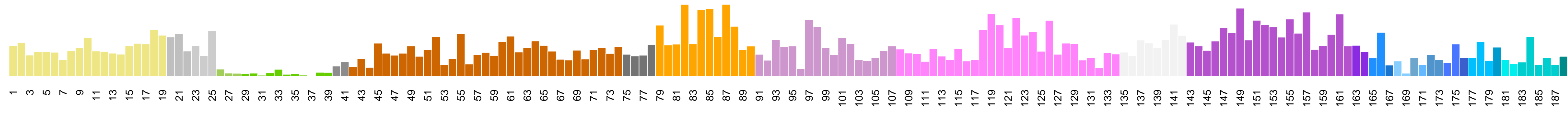
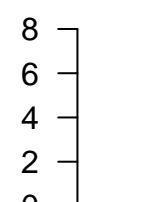


citron\_rho\_interacting\_serine\_threonine\_kinase | PH/CNH/  
Tadh\_TriadG27763

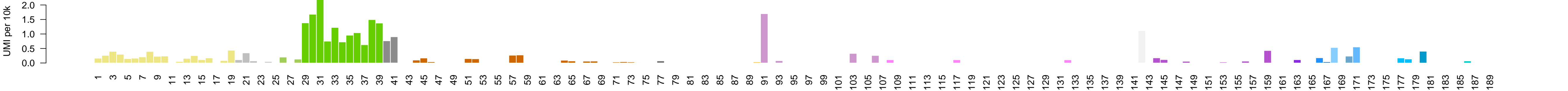


discs\_large\_MAGUK\_scaffold\_protein\_1 | PDZ/PDZ/PDZ/SH3\_1/Guanylate\_kin/  
Tadh\_TriadG63520

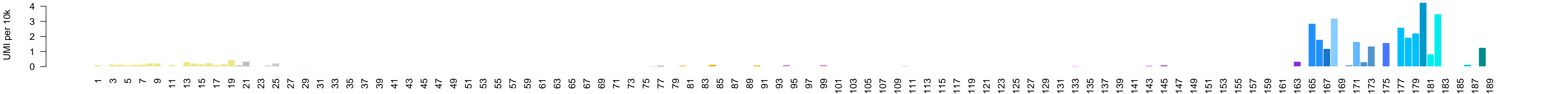
UMI per 10k



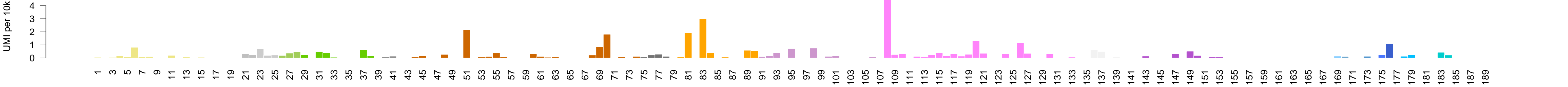
EPH\_receptor\_A4 | Pkinase\_Tyr/SAM\_1/  
Tadh\_TriadG12344



FERM\_and\_PDZ\_domain\_containing\_1 | WW/  
Tadh\_TriadG62220

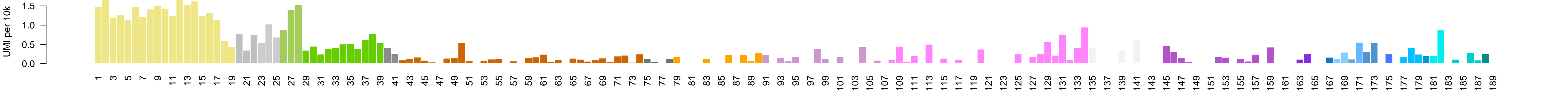


DLG\_associated\_protein\_1 | GKAP/  
Tadh\_TriadG57926

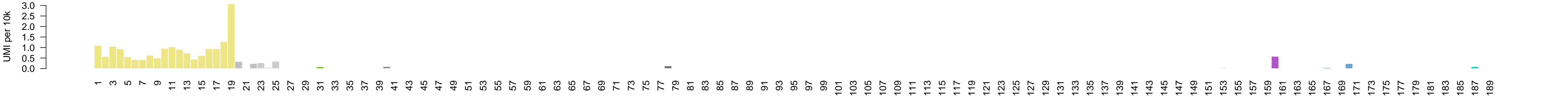




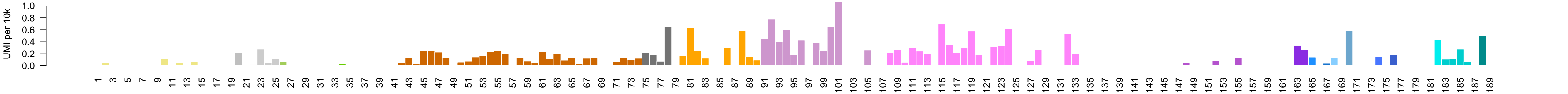
DLG\_associated\_protein\_1 | GKAP/  
Tadh\_TriadG60595



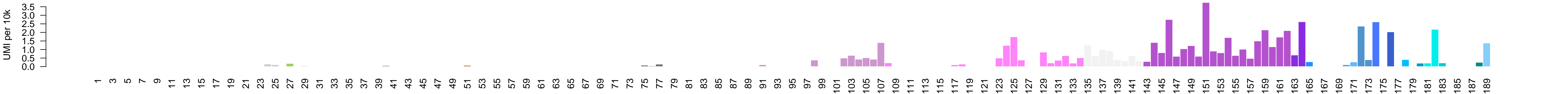
glutamate\_ionotropic\_receptor\_AMPA\_type\_subunit\_4 | Lig\_chan-Glu\_bd/Lig\_chan/  
Tadh\_TriadG25025



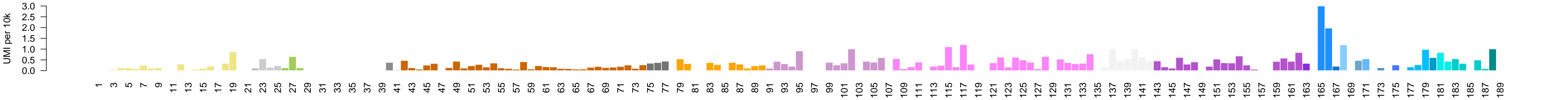
glutamate\_ionotropic\_receptor\_kainate\_type\_subunit\_2 | Lig\_chan-Glu\_bd/Lig\_chan/  
Tadh\_TriadG18943



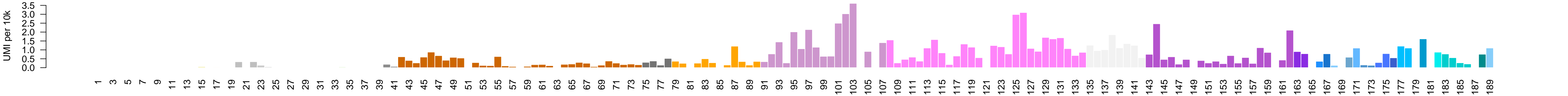
glutamate\_ionotropic\_receptor\_kainate\_type\_subunit\_2 | ANF\_receptor/Lig\_chan-Glu\_bd/Lig\_chan/  
Tadh\_TriadG55165



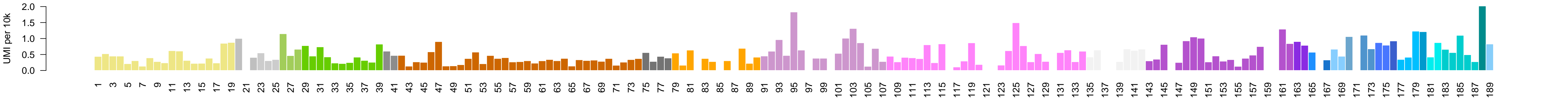
homer\_scaffold\_protein\_2 | WH1/  
Tadh\_TriadG22944



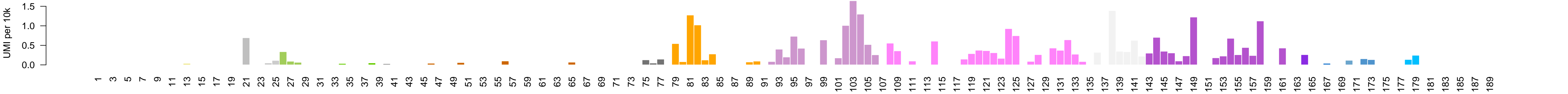
inositol\_1\_4\_5\_trisphosphate\_receptor\_type\_1 | Ins145\_P3\_rec/MIR/RYDR\_ITPR/RIH\_assoc/lon\_trans/  
Tadh\_TriadG55241



inositol\_1\_4\_5\_trisphosphate\_receptor\_type\_1 | Ins145\_P3\_rec/RYDR\_ITPR/RYDR\_ITPR/RIH\_assoc/Ion\_trans/  
Tadh\_TriadG56365

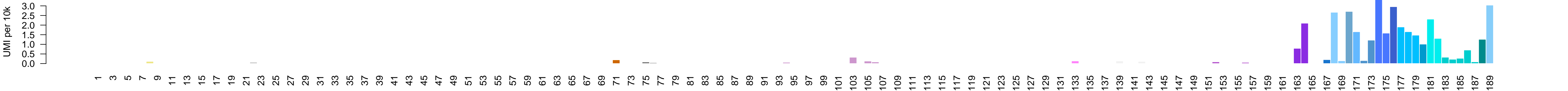


potassium\_voltage\_gated\_channel\_subfamily\_A\_member\_1 | BTB\_2/Ion\_trans/  
Tadh\_TriadG2482

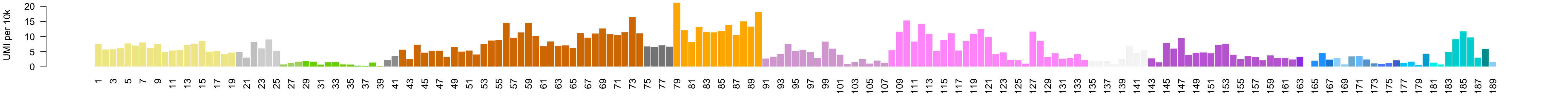




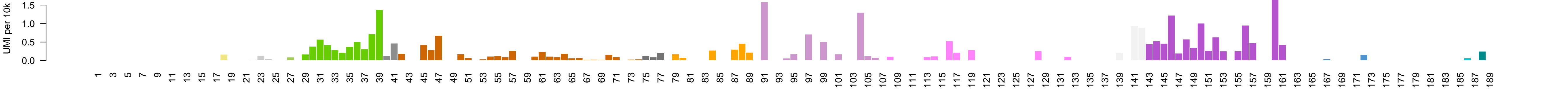
potassium\_voltage\_gated\_channel\_subfamily\_B\_member\_2 | BTB\_2/Ion\_trans/  
Tadh\_TriadG3098



lin\_7\_homolog\_C\_crumbs\_cell\_polarity\_complex\_component | L27/PDZ/  
Tadh\_TriadG61629



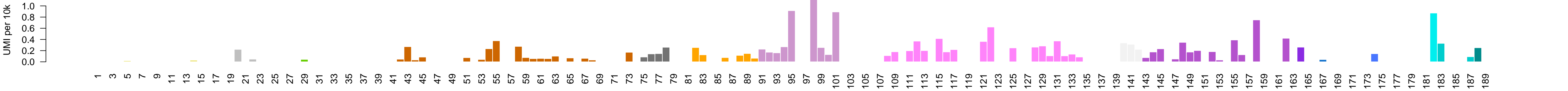
calcium\_sensing\_receptor | ANF\_receptor/7tm\_3/  
Tadh\_TriadG10902



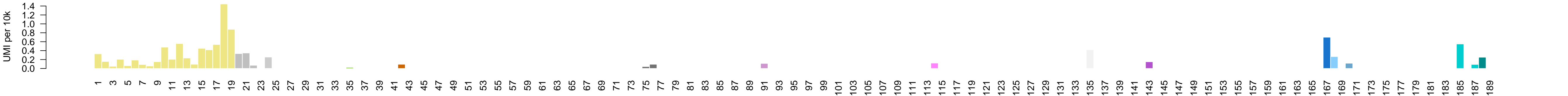
glutamate\_metabotropic\_receptor\_3 | ANF\_receptor/7tm\_3/  
Tadh\_TriadG11098



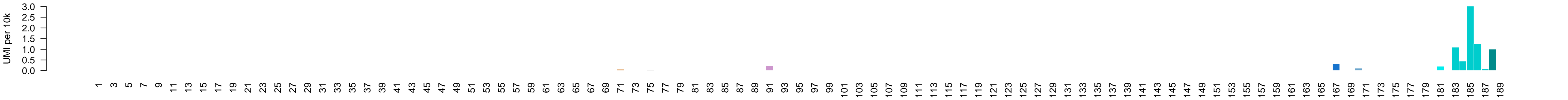
calcium\_sensing\_receptor | ANF\_receptor/NCD3G/7tm\_3/  
Tadh\_TriadG11108



calcium\_sensing\_receptor | ANF\_receptor/7tm\_3/  
Tadh\_TriadG11320

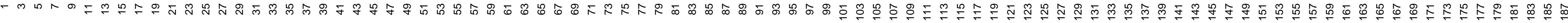
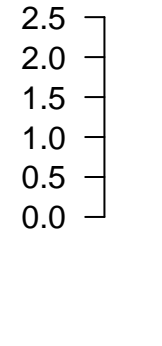


calcium\_sensing\_receptor | NCD3G/7tm\_3/  
Tadh\_TriadG15193



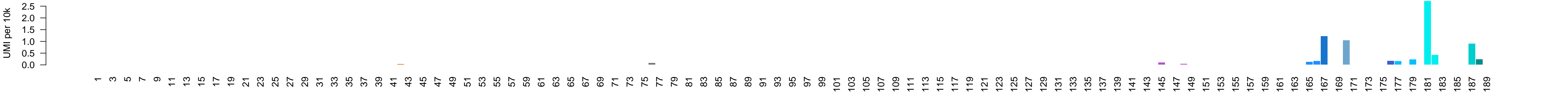
calcium\_sensing\_receptor | ANF\_receptor/NCD3G/7tm\_3/  
Tadh\_TriadG25328

UMI per 10k

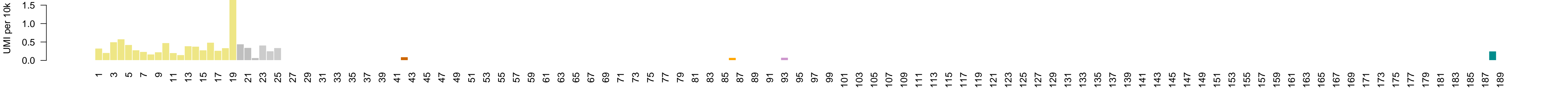




glutamate\_metabotropic\_receptor\_3 | ANF\_receptor/NCD3G/7tm\_3/  
Tadh\_TriadG25549

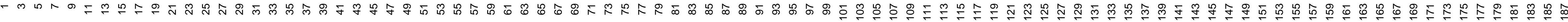
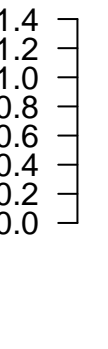


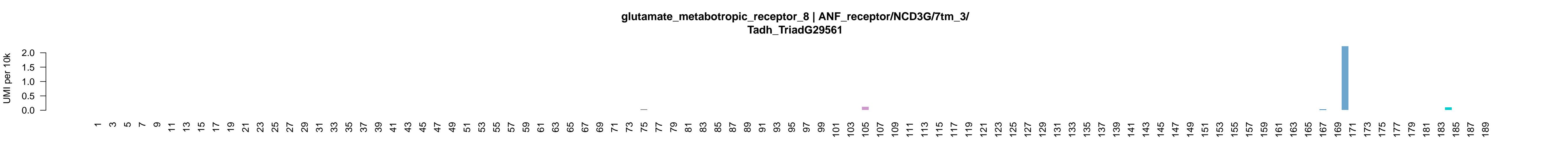
calcium\_sensing\_receptor | 7tm\_3/  
Tadh\_TriadG2811



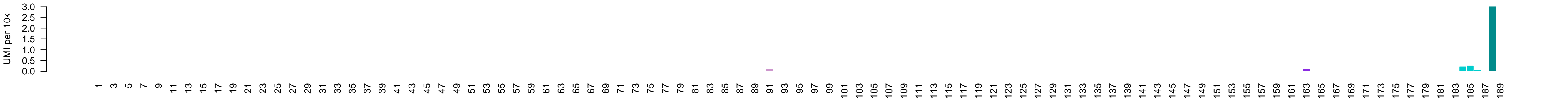
calcium\_sensing\_receptor | ANF\_receptor/7tm\_3/  
Tadh\_TriadG29555

UMI per 10k





calcium\_sensing\_receptor | NCD3G/7tm\_3/  
Tadh\_TriadG29583



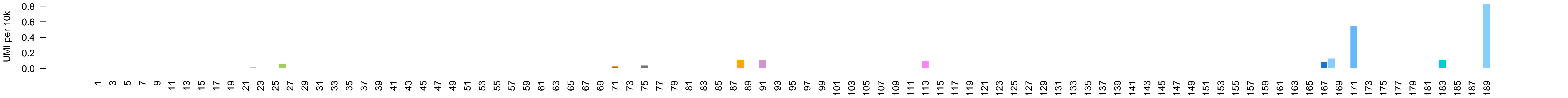
glutamate\_metabotropic\_receptor\_2 | ANF\_receptor/NCD3G/7tm\_3/  
Tadh\_TriadG29631



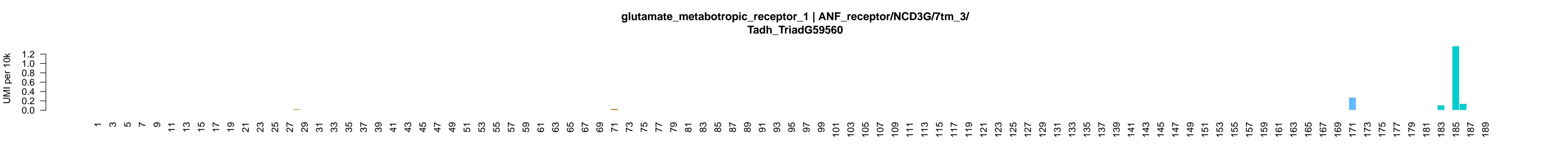
glutamate\_metabotropic\_receptor\_3 | ANF\_receptor/7tm\_3/  
Tadh\_TriadG59554



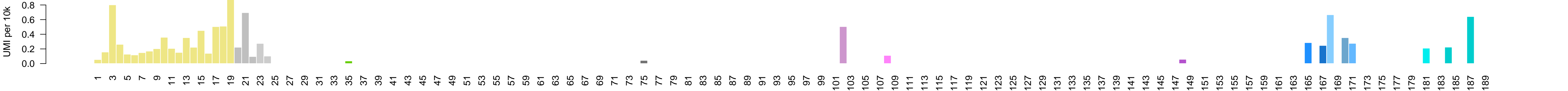
calcium\_sensing\_receptor | ANF\_receptor/NCD3G/7tm\_3/  
Tadh\_TriadG59557







glutamate\_metabotropic\_receptor\_7 | ANF\_receptor/7tm\_3/  
Tadh\_TriadG59563

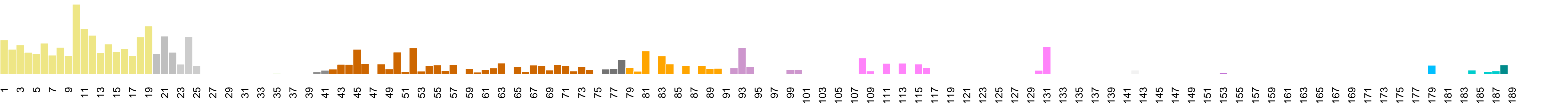
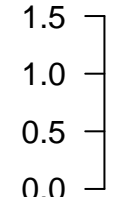


glutamate\_metabotropic\_receptor\_7 | ANF\_receptor/7tm\_3/  
Tadh\_TriadG59566

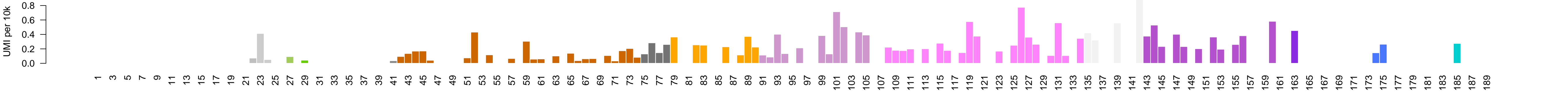


neurologin\_4\_X\_linked | COesterase/  
Tadh\_TriadG31975

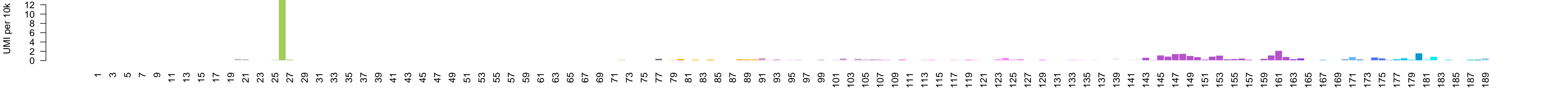
UMI per 10k



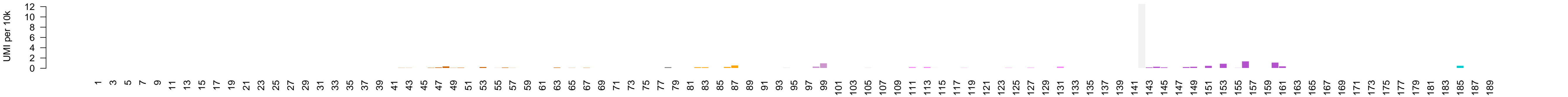
neuroigin\_1 | COesterase/  
Tadh\_TriadG61115



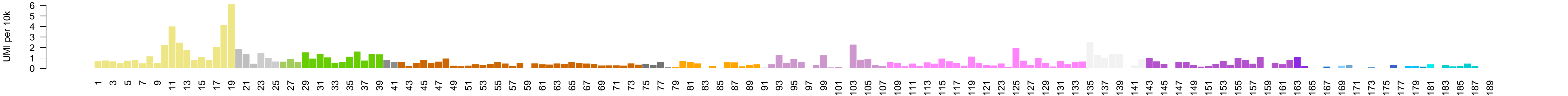
neurologin\_4\_X\_linked | COesterase/  
Tadh\_TriadG61120



nitric\_oxide\_synthase\_1 | NO\_synthase/Flavodoxin\_1/FAD\_binding\_1/NAD\_binding\_1/  
Tadh\_TriadG18893

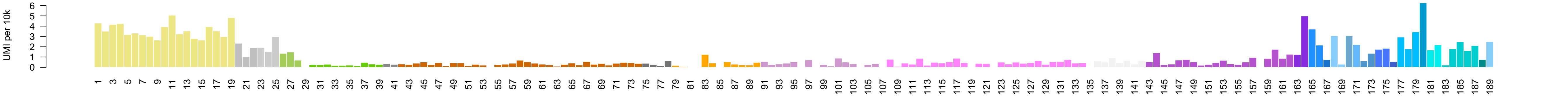


nitric\_oxide\_synthase\_1 | NO\_synthase/Flavodoxin\_1/FAD\_binding\_1/NAD\_binding\_1/  
Tadh\_TriadG19964

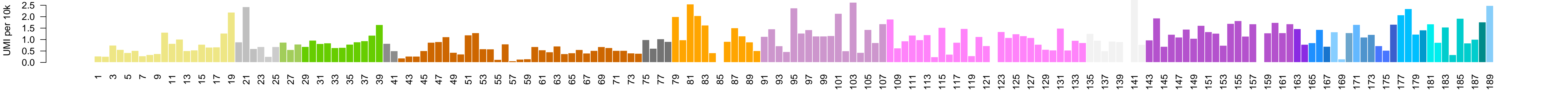




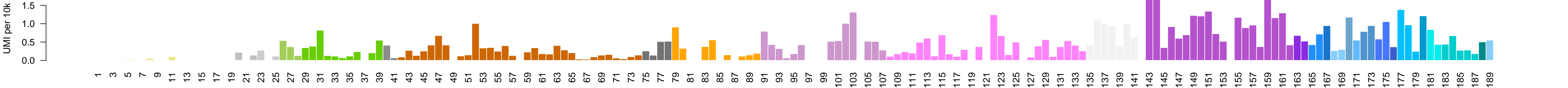
protein\_interacting\_with\_PRKCA\_1 | PDZ/Arfaptin/  
Tadh\_TriadG53974



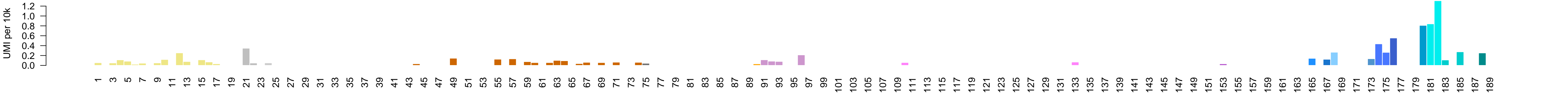
ATPase\_plasma\_membrane\_Ca2\_transporting\_2 | Cation\_ATPase\_N/E1-E2\_ATPase/E1-E2\_ATPase/Cation\_ATPase/H...  
Tadh\_TriadG25320



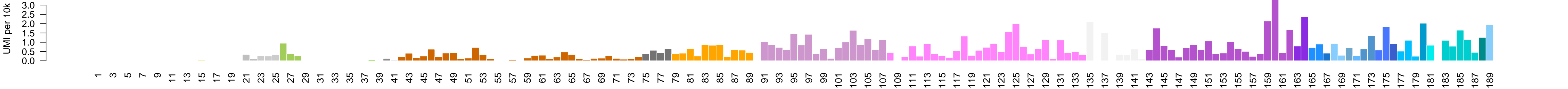
calcium\_dependent\_secretion\_activator\_2 | PH/DUF1041/  
Tadh\_TriadG23934



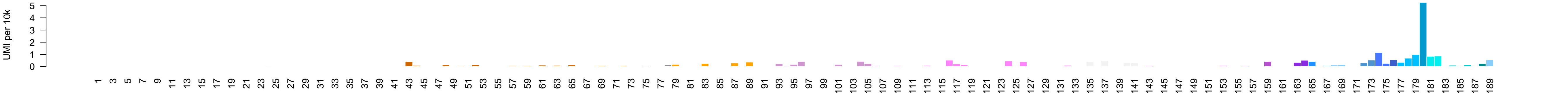
CASK\_interacting\_protein\_2 | Ank\_2/Ank\_2/SAM\_1/SAM\_2/  
Tadh\_TriadG52921



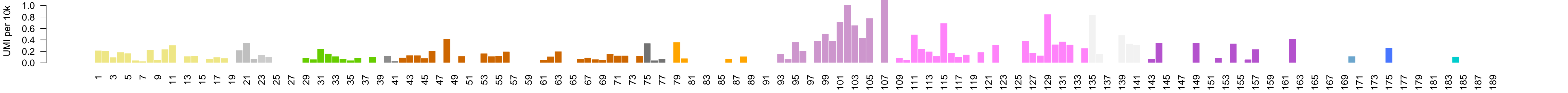
calcium\_voltage\_gated\_channel\_subunit\_alpha1\_C | Ion\_trans/Ion\_trans/Ion\_trans/Ion\_trans/GPHH/Ca\_chan\_IQ/  
Tadh\_TriadG18642

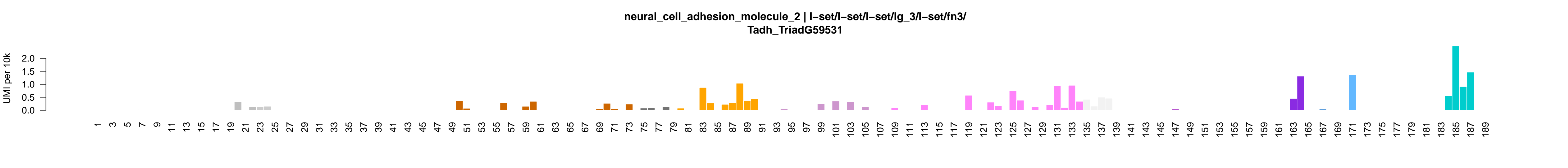


PTPRF\_interacting\_protein\_alpha\_1 | SAM\_1/SAM\_1/SAM\_2/  
Tadh\_TriadG51625



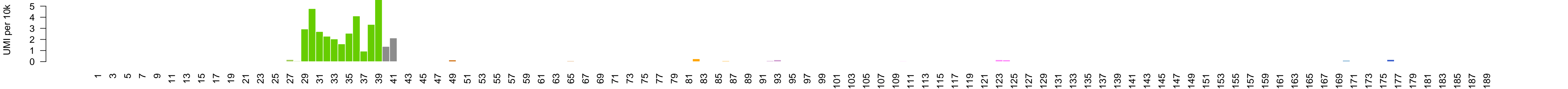
sodium\_voltage\_gated\_channel\_alpha\_subunit\_3 | Ion\_trans/Ion\_trans/Ion\_trans/  
Tadh\_TriadG54699



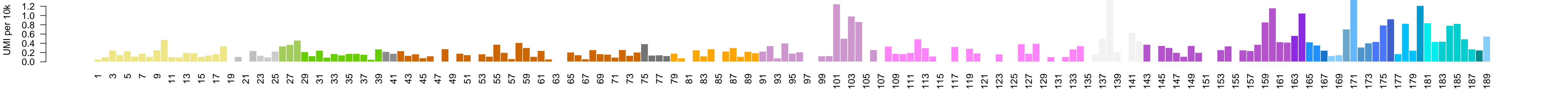




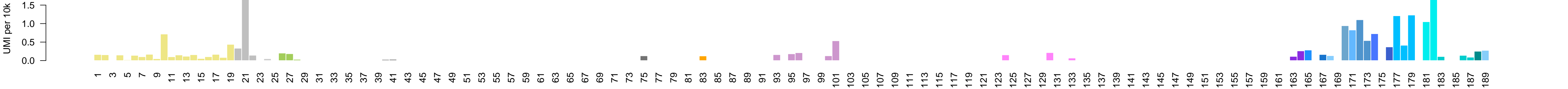
agrin | NtA/Kazal\_2/Kazal\_2/Laminin\_G\_1/Laminin\_G\_1/Laminin\_G\_1/L...  
Tadh\_TriadG57635



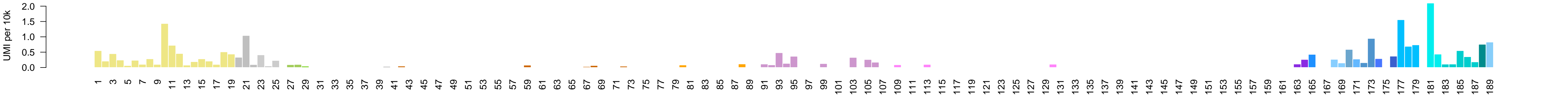
**rabphilin\_3A | FYVE\_2/C2/C2/  
Tadh\_TriadG59690**



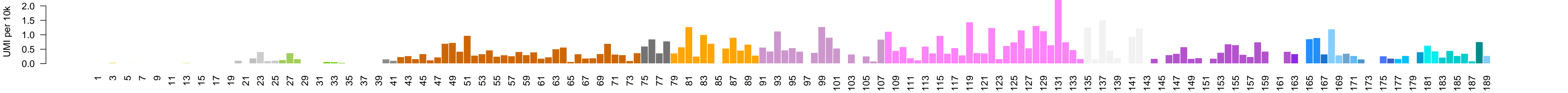
regulating\_synaptic\_membrane\_exocytosis\_2 | C2/  
Tadh\_TriadG58202



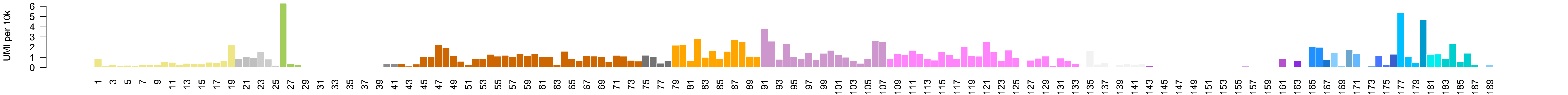
regulating\_synaptic\_membrane\_exocytosis\_2 | C2/  
Tadh\_TriadG58203



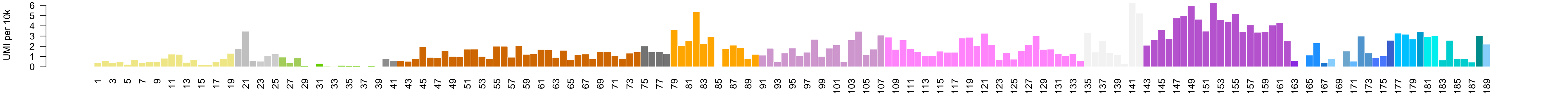
TSPO\_associated\_protein\_1 | SH3\_2/SH3\_9/  
Tadh\_TriadG59211



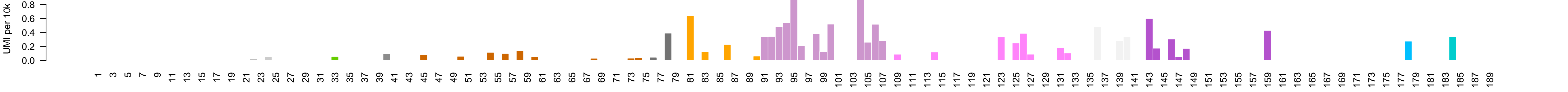
spectrin\_beta\_non\_erythrocytic\_1 | CH/CH/Spectrin/Spectrin/Spectrin/Spectrin/Spectr...  
Tadh\_TriadG32414



spectrin\_alpha\_non\_erythrocytic\_1 | Spectrin/Spectrin/Spectrin/Spectrin/Spectrin/Spectrin/Spe...  
Tadh\_TriadG59818

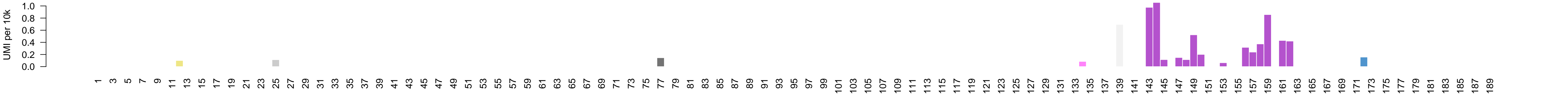


synaptic\_vesicle\_glycoprotein\_2B | MFS\_1/  
Tadh\_TriadG2343

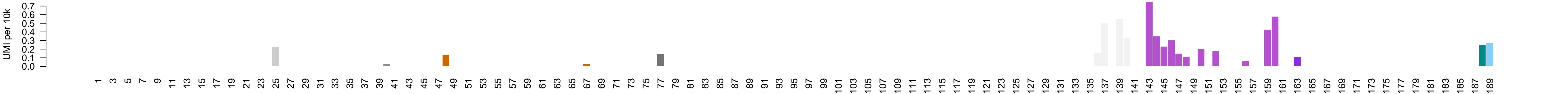




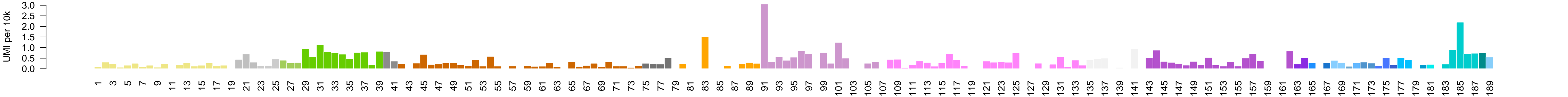
**synaptic\_vesicle\_glycoprotein\_2B | MFS\_1/  
Tadh\_TriadG31400**



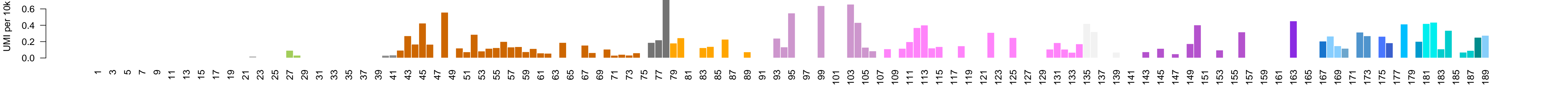
synaptic\_vesicle\_glycoprotein\_2C | Sugar\_tr/  
Tadh\_TriadG31425



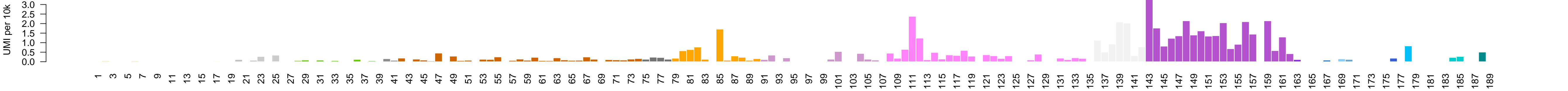
synaptic\_vesicle\_glycoprotein\_2C | MFS\_1/  
Tadh\_TriadG36521



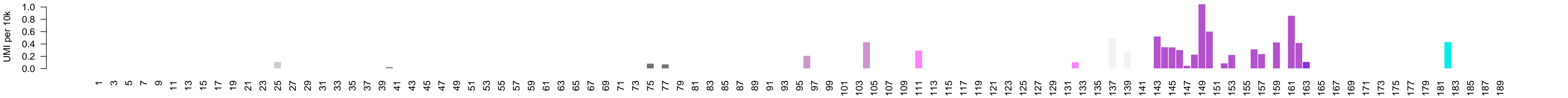
SV2\_related\_protein | Sugar\_tr/  
Tadh\_TriadG58334



synaptic\_vesicle\_glycoprotein\_2B | MFS\_1/  
Tadh\_TriadG596



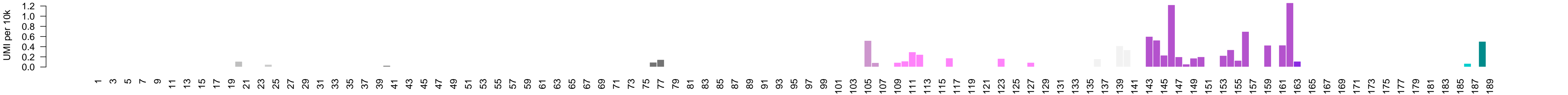
**synaptic\_vesicle\_glycoprotein\_2B | MFS\_1/Sugar\_tr/  
Tadh\_TriadG60671**



synaptic\_vesicle\_glycoprotein\_2A | MFS\_1/  
Tadh\_TriadG60673

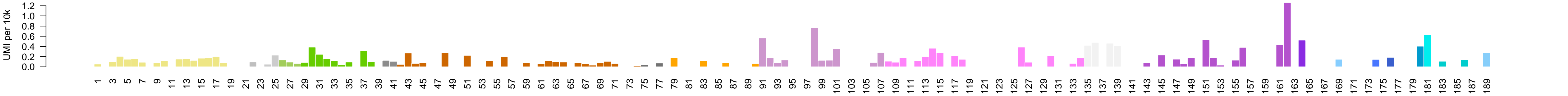


synaptic\_vesicle\_glycoprotein\_2B | MFS\_1/MFS\_1/  
Tadh\_TriadG60690

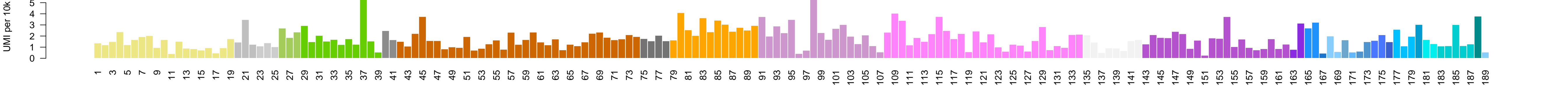




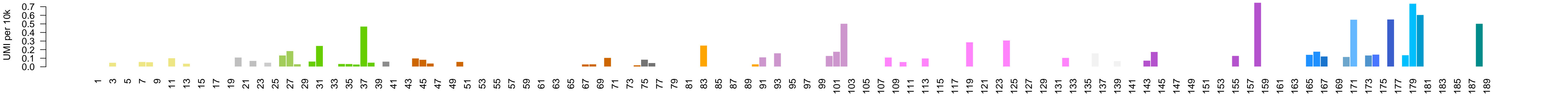
**synaptogyrin\_2 | MARVEL/  
Tadh\_TriadG56946**



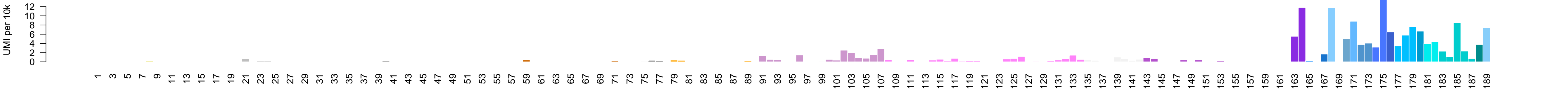
**synaptophysin\_like\_2 | MARVEL/  
Tadh\_TriadG52445**



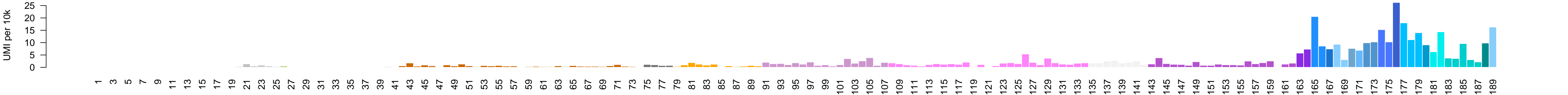
**synaptophysin\_like\_2 | MARVEL/  
Tadh\_TriadG62635**



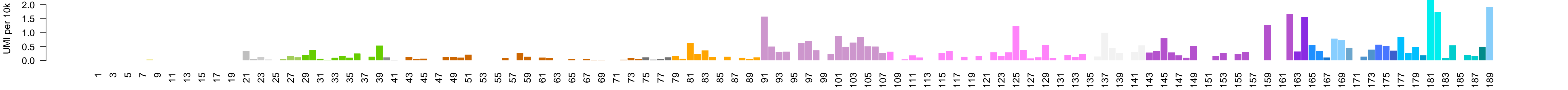
**synaptotagmin\_7 | C2/C2/  
Tadh\_TriadG32942**



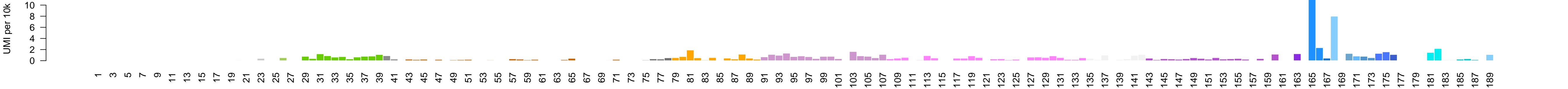
**synaptotagmin\_1 | C2/C2/  
Tadh\_TriadG51110**



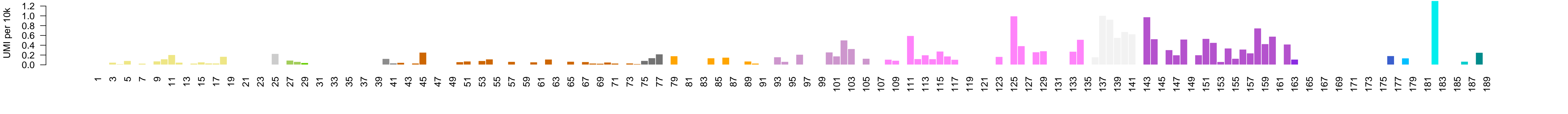
unc\_13\_homolog\_B | C1\_1/C2/DUF1041/Membr\_traf\_MHD/C2/  
Tadh\_TriadG22095



**solute\_carrier\_family\_17\_member\_6 | MFS\_1/  
Tadh\_TriadG36003**

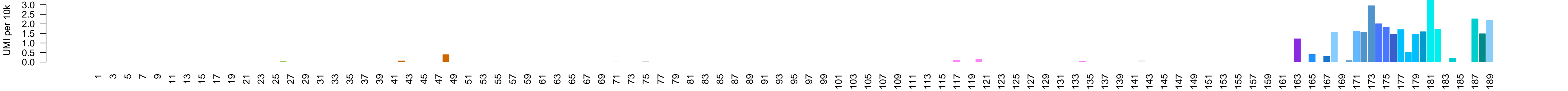


**synaptotagmin\_7 | C2/C2/  
Tadh\_TriadG53128**

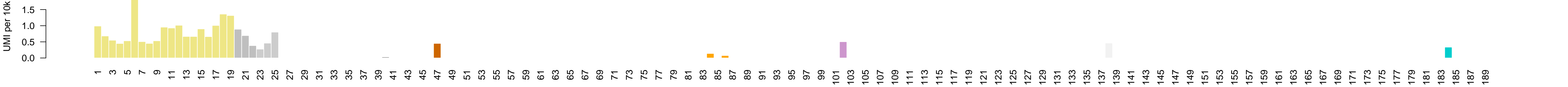


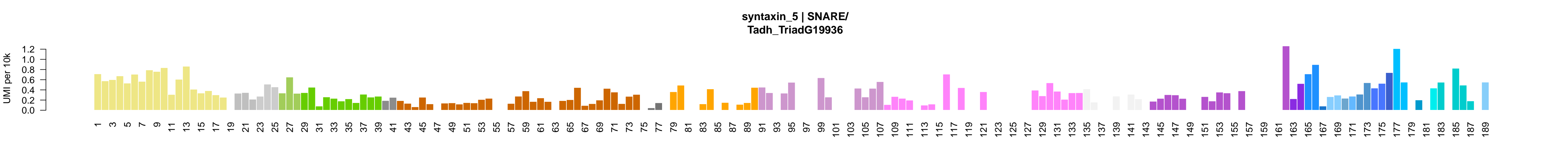


**synaptotagmin\_like\_5 | C2/  
Tadh\_TriadG56437**

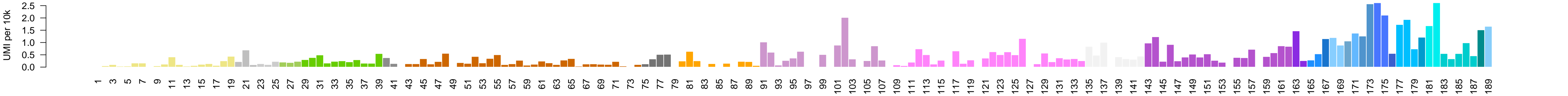


**synaptotagmin\_16 | C2/C2/  
Tadh\_TriadG57029**

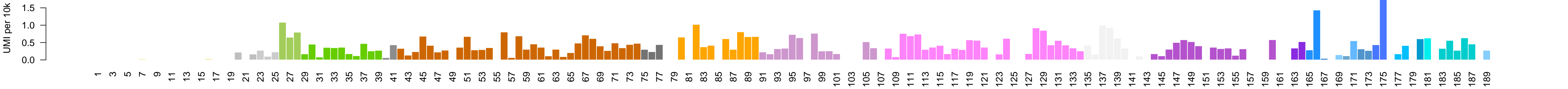




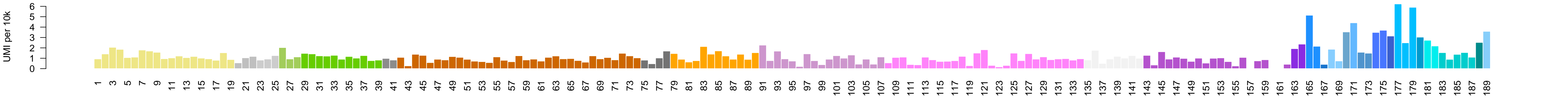
**syntaxin\_binding\_protein\_5 | LLGL/  
Tadh\_TriadG25442**



**syntxin\_1B | Syntxin/SNARE/  
Tadh\_TriadG26532**

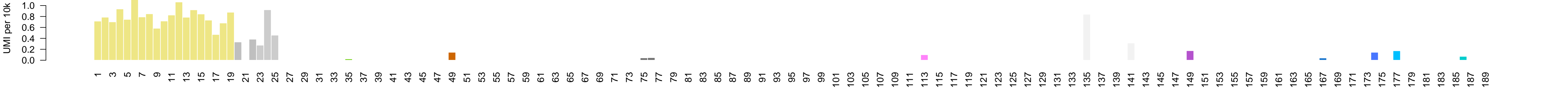


t\_SNARE\_domain\_containing\_1 | Syntaxin\_2/SNARE/  
Tadh\_TriadG27557



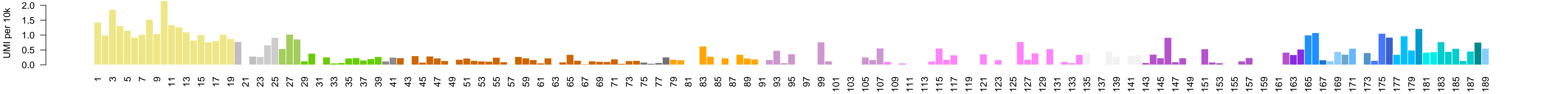


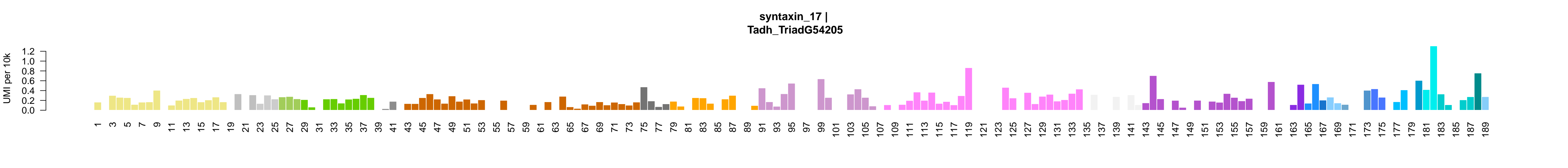
syntxin\_1B | Syntxin/SNARE/  
Tadh\_TriadG28962



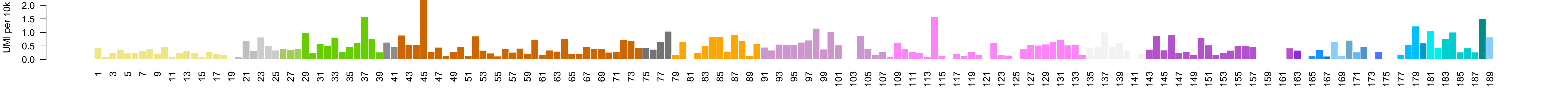


**syntxin\_16 | Syntxin/  
Tadh\_TriadG52504**

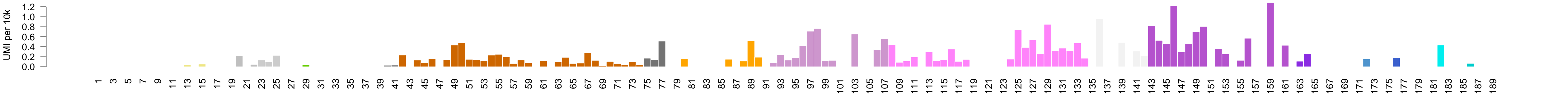




t\_SNARE\_domain\_containing\_1 | Syntaxin\_2/  
Tadh\_TriadG58273

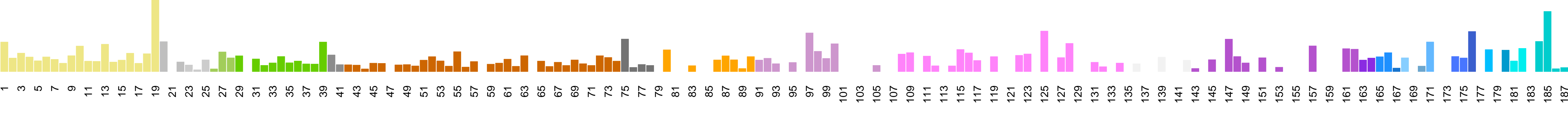
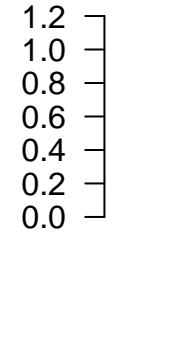


**syntxin\_1B | Syntxin/SNARE/  
Tadh\_TriadG59128**

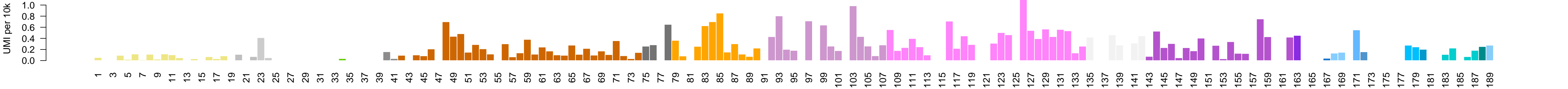


**syntaxin\_18 | Syntaxin-18\_N/  
Tadh\_TriadG60762**

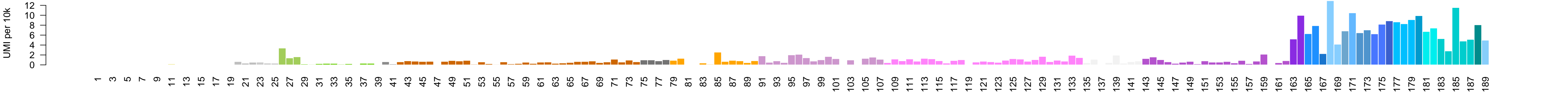
UMI per 10k



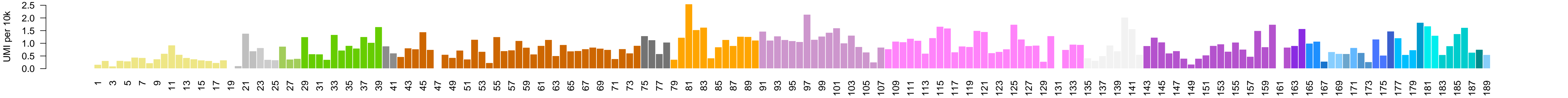
**syntaxin\_binding\_protein\_4 | PDZ/WW/  
Tadh\_TriadG64242**



novel\_protein | Synaptobrevin/  
Tadh\_TriadG26877

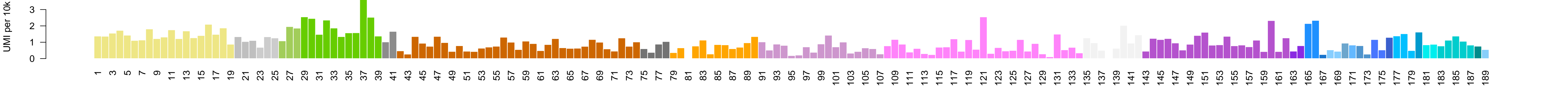


vesicle\_associated\_membrane\_protein\_7 | Longin/Synaptobrevin/  
Tadh\_TriadG30367

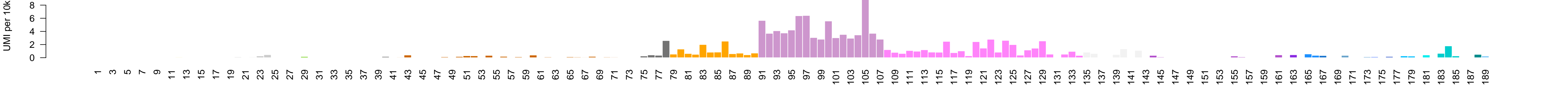




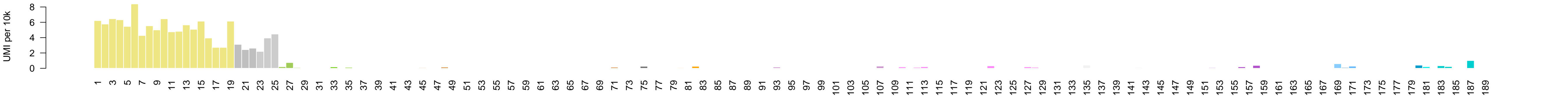
YKT6\_v\_SNARE\_homolog | Longin/Synaptobrevin/  
Tadh\_TriadG31258



| Synaptobrevin/  
Tadh\_TriadG56689



vesicle\_associated\_membrane\_protein\_7 | Longin/Synaptobrevin/  
Tadh\_TriadG59655



UMI per 10k

3500

3000

2500

2000

1500

1000

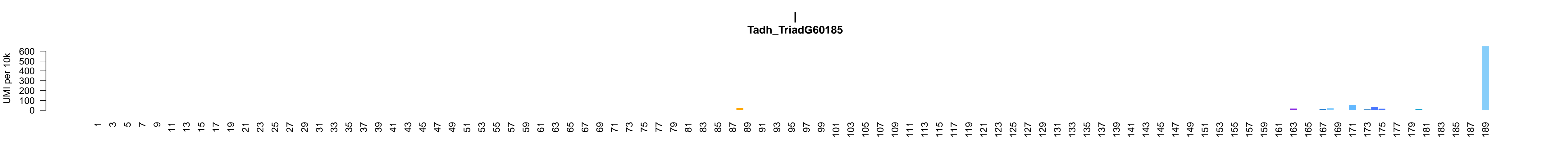
500

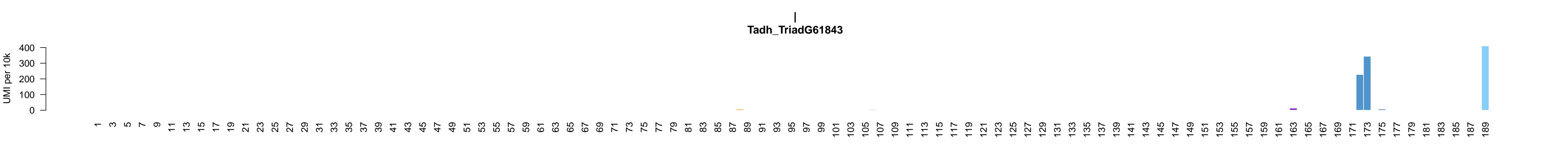
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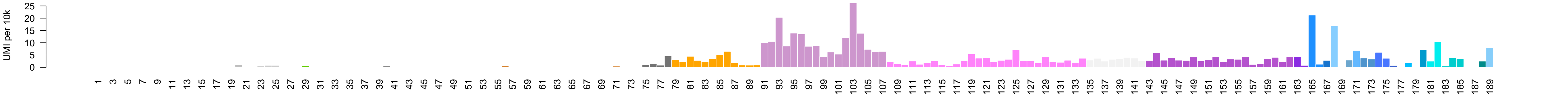
Tadh\_TriadG63942

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

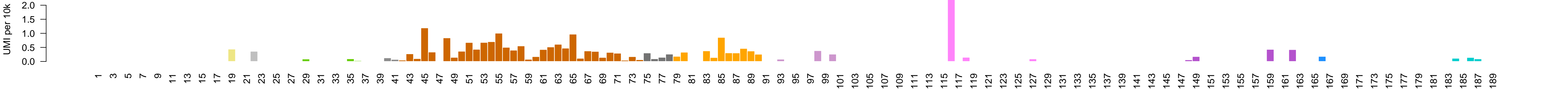




peptidylglycine\_alpha\_amidating\_monooxygenase | Cu2\_monooxygen/Cu2\_monoox\_C/NHL/  
Tadh\_TriadG63754

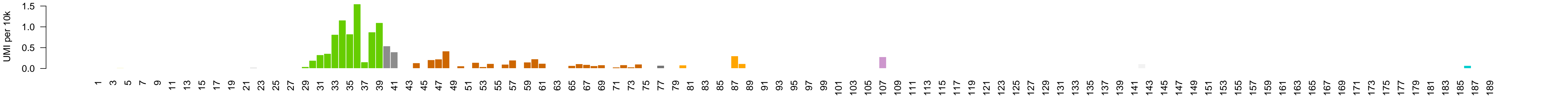


monooxygenase\_DBH\_like\_1 | DOMON/Cu2\_monooxygen/Cu2\_monoox\_C/DOMON/  
Tadh\_TriadG55458

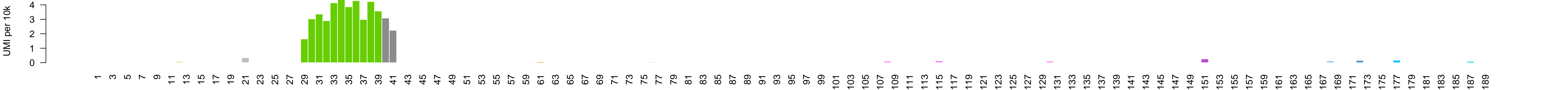




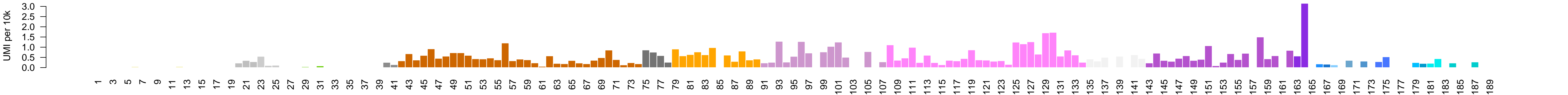
monooxygenase\_DBH\_like\_1 | DOMON/Cu2\_monooxygen/Cu2\_monoox\_C/  
Tadh\_TriadG55459



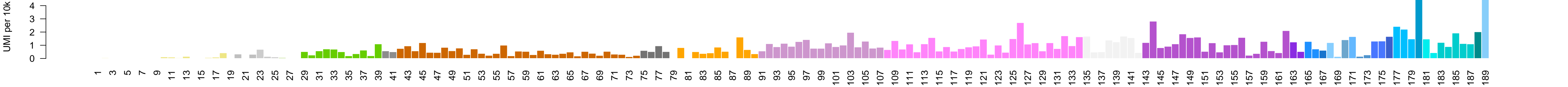
monooxygenase\_DBH\_like\_1 | DOMON/Cu2\_monooxygen/Cu2\_monoox\_C/  
Tadh\_TriadG55460



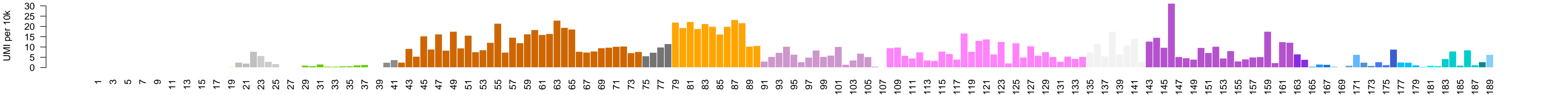
monooxygenase\_DBH\_like\_1 | DOMON/Cu2\_monooxygen/Cu2\_monoox\_C/  
Tadh\_TriadG55461



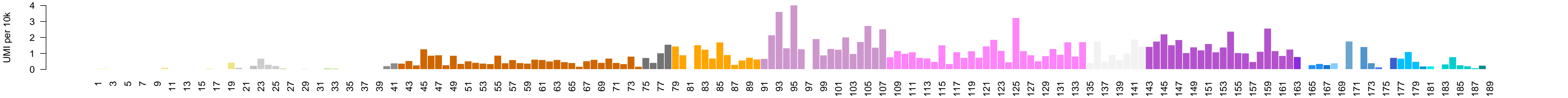
monooxygenase\_DBH\_like\_1 | DOMON/Cu2\_monooxygen/Cu2\_monoox\_C/  
Tadh\_TriadG55464



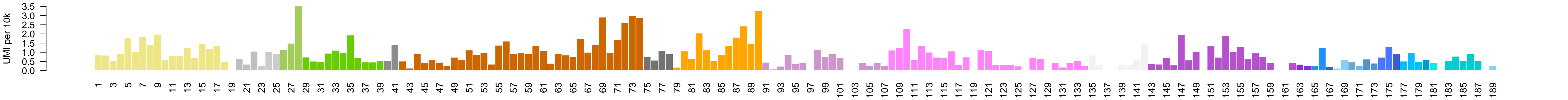
monooxygenase\_DBH\_like\_1 | DOMON/Cu2\_monooxygen/Cu2\_monoox\_C/  
Tadh\_TriadG37522



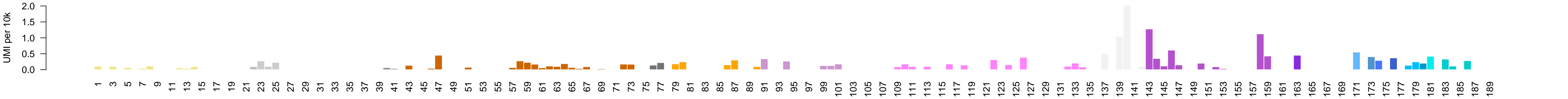
monooxygenase\_DBH\_like\_1 | DOMON/Cu2\_monooxygen/Cu2\_monoox\_C/  
Tadh\_TriadG63840



quinoid\_dihydropteridine\_reductase | adh\_short\_C2/  
Tadh\_TriadG28401

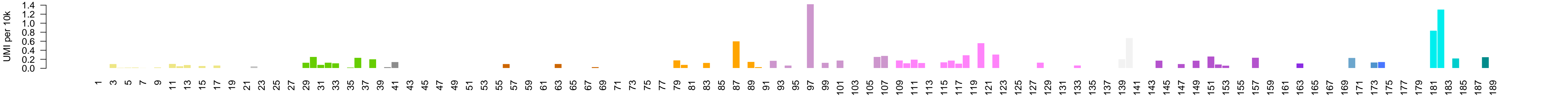


glutamate\_decarboxylase\_1 | Pyridoxal\_deC/  
Tadh\_TriadG50906



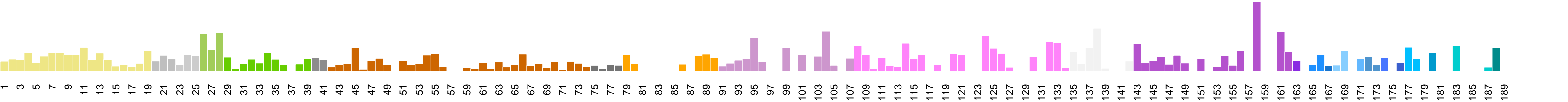
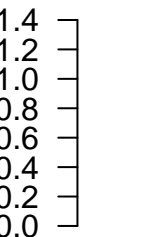


glutamate\_decarboxylase\_2 | Pyridoxal\_deC/  
Tadh\_TriadG60611

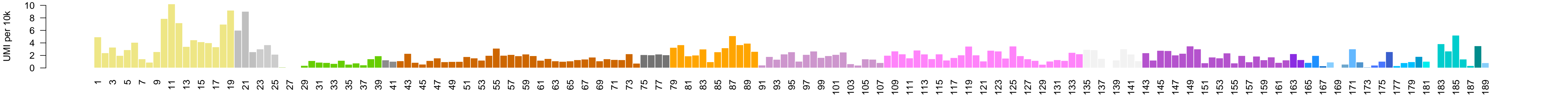


glutaminase | EF-hand\_14/Glutaminase/Ank\_2/  
Tadh\_TriadG61194

UMI per 10k



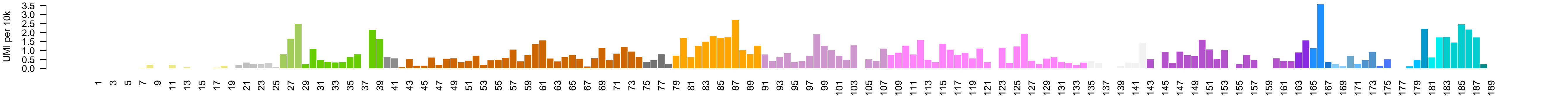
solute\_carrier\_family\_6\_member\_1 | SNF/  
Tadh\_TriadG27813



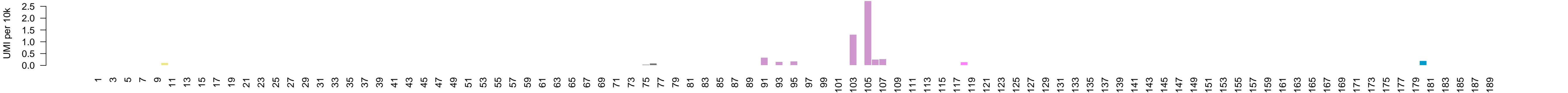
**solute\_carrier\_family\_6\_member\_13 | SNF/  
Tadh\_TriadG29105**



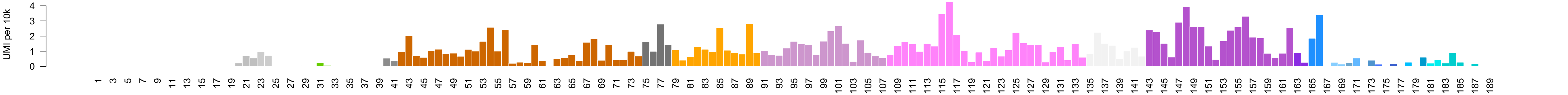
**solute\_carrier\_family\_6\_member\_13 | SNF/  
Tadh\_TriadG29421**



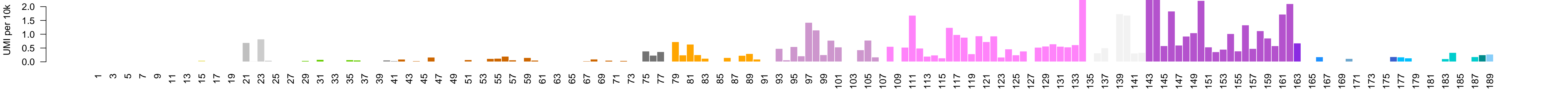
**solute\_carrier\_family\_6\_member\_13 | SNF/  
Tadh\_TriadG31455**



**solute\_carrier\_family\_6\_member\_13 | SNF/  
Tadh\_TriadG33157**

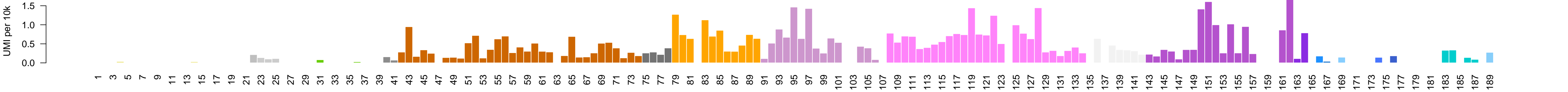


**solute\_carrier\_family\_6\_member\_13 | SNF/  
Tadh\_TriadG34381**

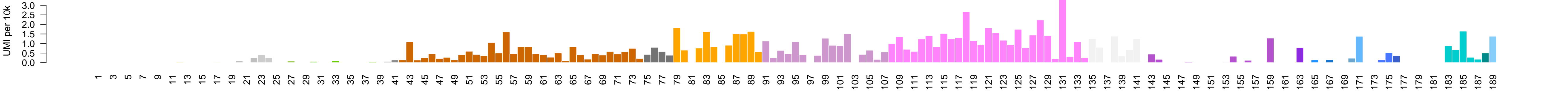




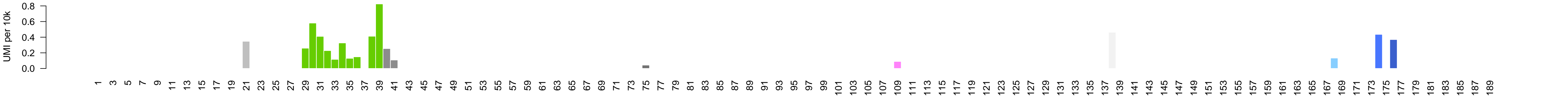
**solute\_carrier\_family\_6\_member\_12 | SNF/  
Tadh\_TriadG59280**



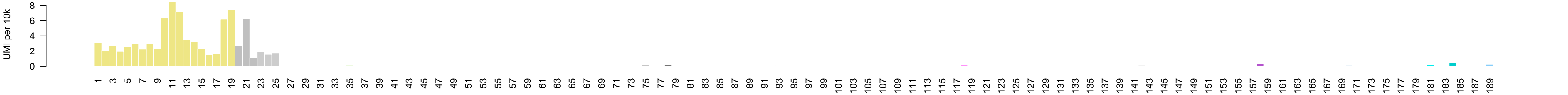
solute\_carrier\_family\_6\_member\_13 | SNF/  
Tadh\_TriadG61885



choline\_O\_acetyltransferase | Carn\_acyltransf/  
Tadh\_TriadG31498



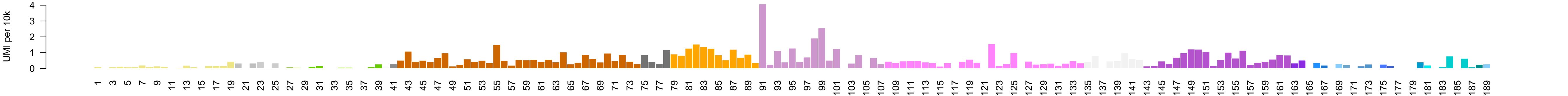
butyrylcholinesterase | COesterase/  
Tadh\_TriadG1914



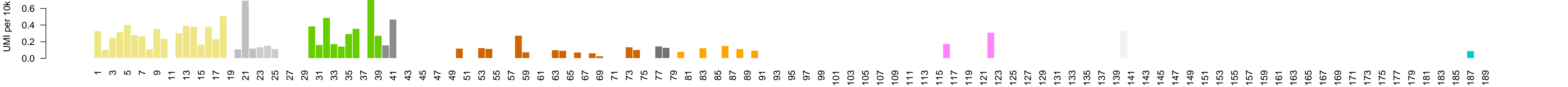
neurologin\_4\_X\_linked | COesterase/  
Tadh\_TriadG2392



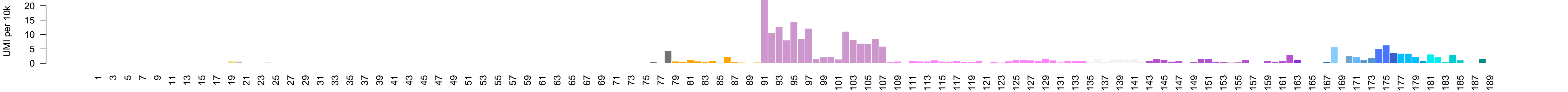
butyrylcholinesterase | COesterase/  
Tadh\_TriadG32085



acetylcholinesterase\_Cartwright\_blood\_group | COesterase/  
Tadh\_TriadG52793

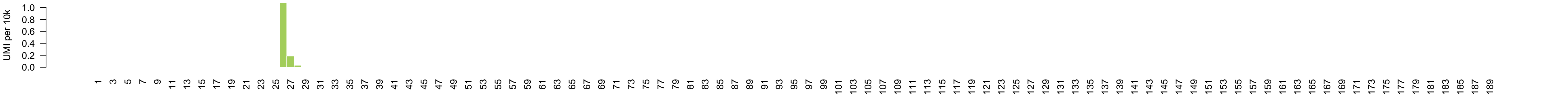


**solute\_carrier\_family\_17\_member\_5 | MFS\_1/  
Tadh\_TriadG36875**

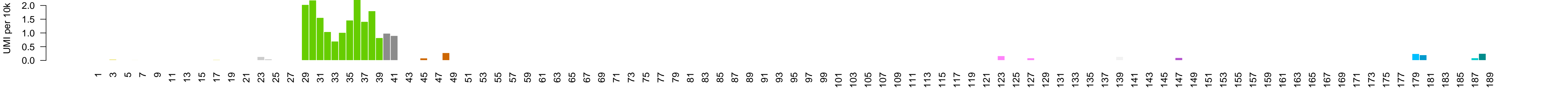




**solute\_carrier\_family\_17\_member\_5 | MFS\_1/  
Tadh\_TriadG61197**



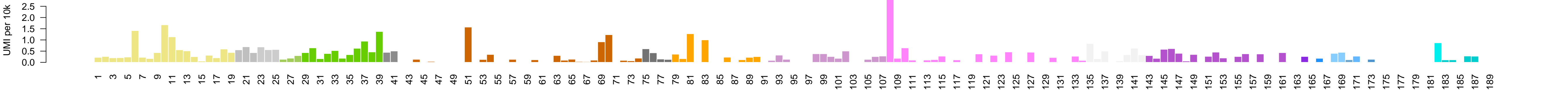
contactin\_associated\_protein\_family\_member\_4 | Laminin\_G\_2/Laminin\_G\_2/  
Tadh\_TriadG52048

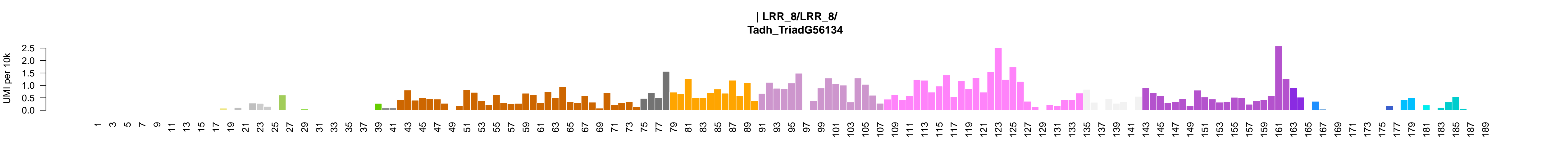


slit\_guidance\_ligand\_1 | Ldl\_recept\_a/  
Tadh\_TriadG51797

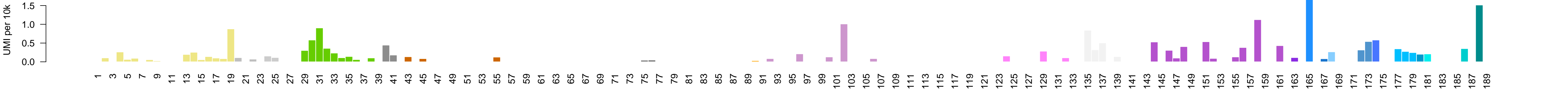


SLIT\_ROBO\_Rho\_GTPase\_activating\_protein\_3 | FCH/RhoGAP/SH3\_2/  
Tadh\_TriadG55451

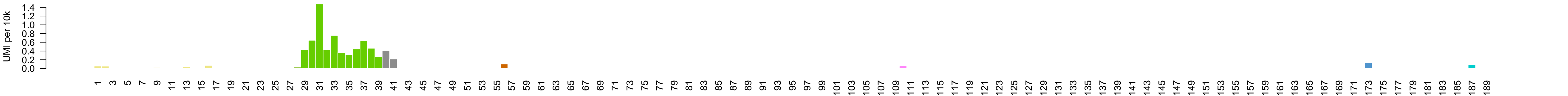


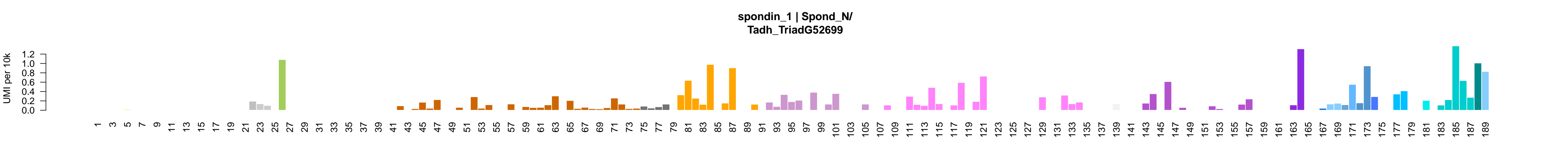


slit\_guidance\_ligand\_2 | LRR\_8/LRRNT/LRR\_8/LRR\_8/LRR\_8/LRRNT/LRR\_8/EGF/EGF/Laminin...  
Tadh\_TriadG58750



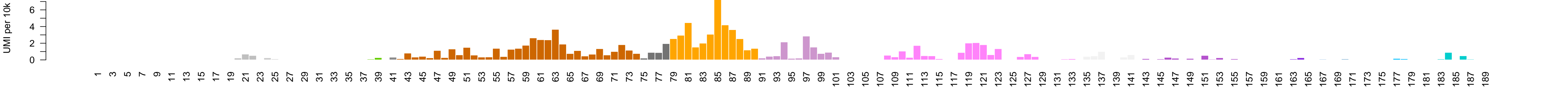
spondin\_1 | Spond\_N/TSP1\_spondin/TSP1\_spondin/TSP\_1/TSP\_1/TSP1\_spondin/  
Tadh\_TriadG61837



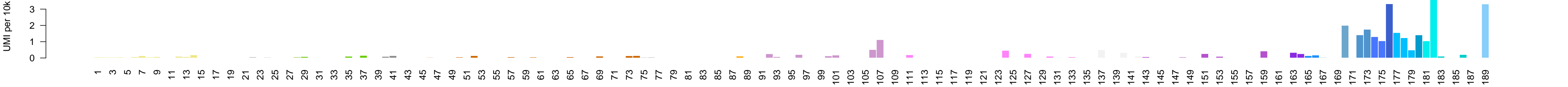




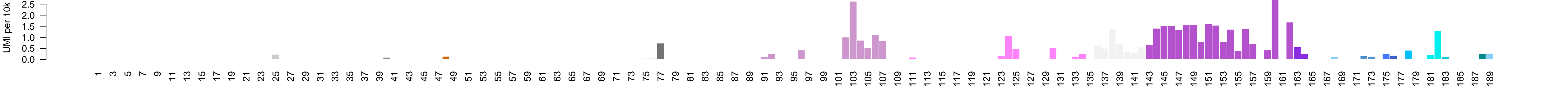
spondin\_1 | Spond\_N/Spond\_N/  
Tadh\_TriadG52700



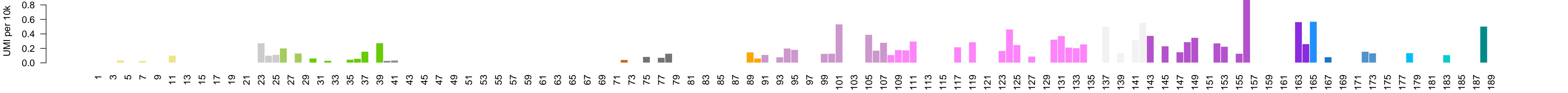
neuronal\_cell\_adhesion\_molecule | fn3/fn3/Bravo\_FIGEY/  
Tadh\_TriadG55088



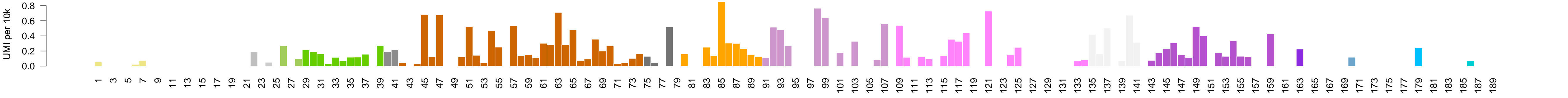
neural\_cell\_adhesion\_molecule\_2 | Ig\_3/Ig\_3/Ig\_3/fn3/fn3/  
Tadh\_TriadG59528



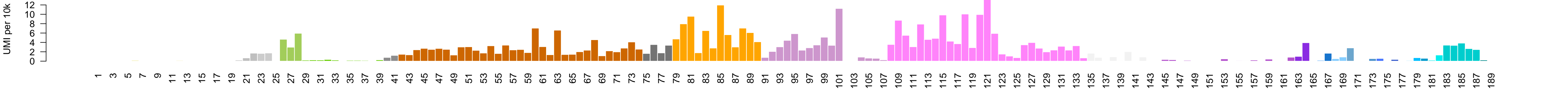
carboxypeptidase\_D | Peptidase\_M14/CarboxypepD\_reg/  
Tadh\_TriadG18200



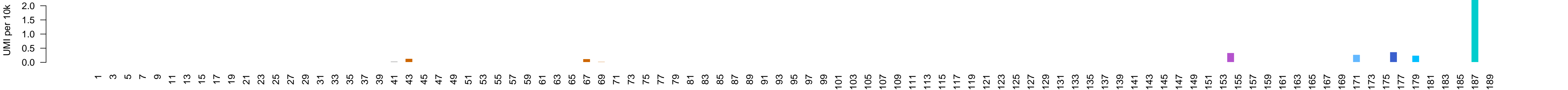
carboxypeptidase\_D | Peptidase\_M14/CarboxypepD\_reg/  
Tadh\_TriadG28479



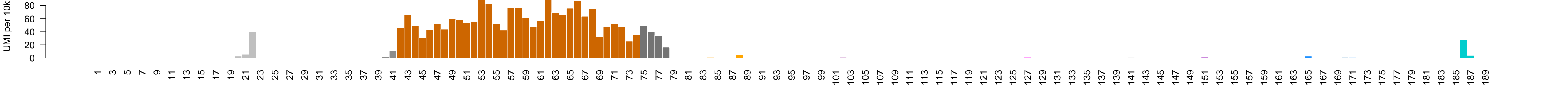
carboxypeptidase\_D | Peptidase\_M14/CarboxypepD\_reg/  
Tadh\_TriadG32385



carboxypeptidase\_D | Peptidase\_M14/CarboxypepD\_reg/  
Tadh\_TriadG33120

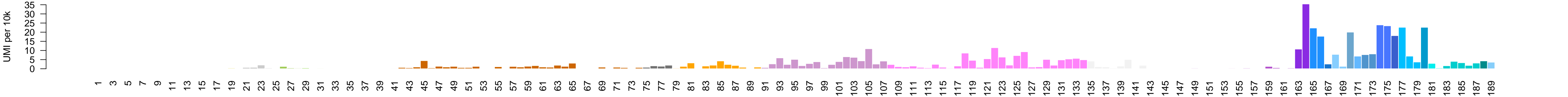


carboxypeptidase\_D | Peptidase\_M14/CarboxypepD\_reg/  
Tadh\_TriadG35864

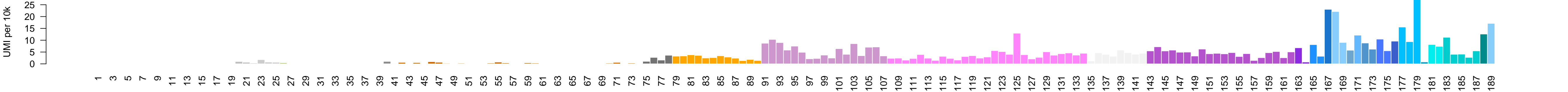




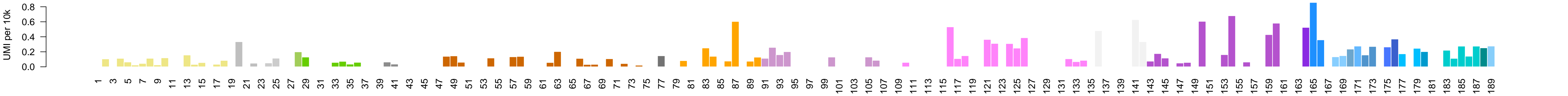
carboxypeptidase\_D | Peptidase\_M14/CarboxypepD\_reg/  
Tadh\_TriadG36680



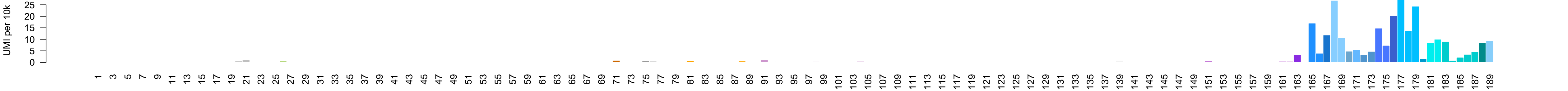
carboxypeptidase\_D | Peptidase\_M14/CarboxypepD\_reg/  
Tadh\_TriadG55803



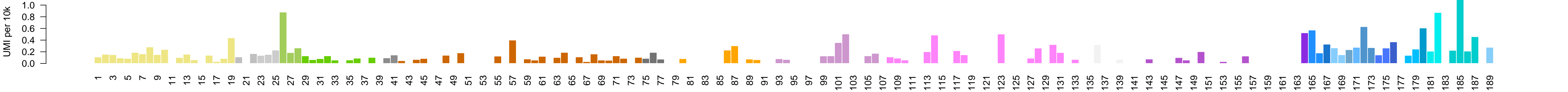
membrane\_bound\_transcription\_factor\_peptidase\_site\_1 | Peptidase\_S8/  
Tadh\_TriadG19704



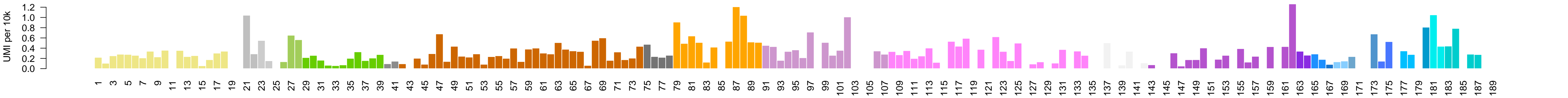
proprotein\_convertase\_subtilisin\_kexin\_type\_1 | S8\_pro-domain/Peptidase\_S8/P\_proprotein/  
Tadh\_TriadG22925



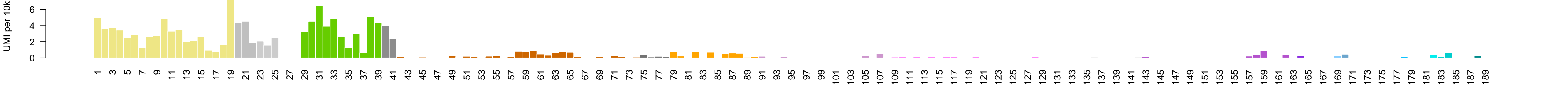
proprotein\_convertase\_subtilisin\_kexin\_type\_7 | S8\_pro-domain/Peptidase\_S8/P\_proprotein/  
Tadh\_TriadG60295



tripeptidyl\_peptidase\_2 | Peptidase\_S8/TPPII/  
Tadh\_TriadG61672



solute\_carrier\_family\_1\_member\_2 | SDF/  
Tadh\_TriadG50710



**solute\_carrier\_family\_1\_member\_2 | SDF/  
Tadh\_TriadG11741**

