Tadh\_TriadT25027 nate\_type\_subunit\_1,glutamate\_ionotropic\_receptor\_AMPA\_type\_subunit\_2,glutamate\_iono 2 metacells TrH2 OG\_4668 TrH2\_TrispH2\_007722-RA nate\_type\_subunit\_1,glutamate\_ionotropic\_receptor\_AMPA\_type\_subunit\_2,glutamate\_iono metacells Hhon OG\_4668 Hhon\_g02971.t1 nate\_type\_subunit\_1,glutamate\_ionotropic\_receptor\_AMPA\_type\_subunit\_2,glutamate\_iono metacells HoiH23 OG\_4668 HoiH23\_PIH23\_007108-RA nate\_type\_subunit\_1,glutamate\_ionotropic\_receptor\_AMPA\_type\_subunit\_2,glutamate\_iono  $^{-4} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} +$ metacells

**Tadh OG\_4668** 

# Tadh OG\_7844 Tadh\_TriadT58143 acid\_sensing\_ion\_channel\_subunit\_1 metacells TrH2 OG\_7844 TrH2\_TrispH2\_000610-RA acid\_sensing\_ion\_channel\_subunit\_1 metacells Hhon OG\_7844 Hhon\_g00079.t1 acid\_sensing\_ion\_channel\_subunit\_1 metacells HoiH23 OG\_7844 HoiH23\_PIH23\_005252-RA acid\_sensing\_ion\_channel\_subunit\_1 metacells

**Tadh OG\_7988** Tadh\_TriadT25025 PA\_type\_subunit\_1,glutamate\_ionotropic\_receptor\_AMPA\_type\_subunit\_4,glutamate\_ionot metacells **Tadh OG\_7988** Tadh\_TriadT56251 PA\_type\_subunit\_1,glutamate\_ionotropic\_receptor\_AMPA\_type\_subunit\_4,glutamate\_ionot metacells TrH2 OG\_7988 TrH2\_TrispH2\_011511-RA PA\_type\_subunit\_1,glutamate\_ionotropic\_receptor\_AMPA\_type\_subunit\_4,glutamate\_ionot metacells Hhon OG\_7988 Hhon\_g02972.t1 PA\_type\_subunit\_1,glutamate\_ionotropic\_receptor\_AMPA\_type\_subunit\_4,glutamate\_ionot metacells HoiH23 OG\_7988 HoiH23\_PIH23\_011441-RA PA\_type\_subunit\_1,glutamate\_ionotropic\_receptor\_AMPA\_type\_subunit\_4,glutamate\_ionot 





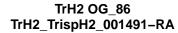
# Tadh OG\_5808 Tadh\_TriadT54343 hydrogen\_voltage\_gated\_channel\_1 metacells TrH2 OG\_5808 TrH2\_TrispH2\_003905-RA hydrogen\_voltage\_gated\_channel\_1 metacells **Hhon OG\_5808** Hhon\_g02371.t1 hydrogen\_voltage\_gated\_channel\_1 metacells HoiH23 OG\_5808 HoiH23\_PIH23\_009361-RA hydrogen\_voltage\_gated\_channel\_1

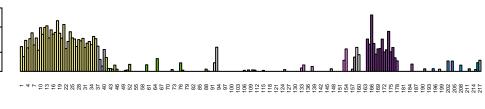
**Tadh OG\_7845** Tadh\_TriadT58141 sing\_ion\_channel\_subunit\_2,acid\_sensing\_ion\_channel\_subunit\_1,acid\_sensing\_ion\_chan-10 ¬ 2 metacells **Tadh OG\_7845** Tadh\_TriadT58142 sing\_ion\_channel\_subunit\_2,acid\_sensing\_ion\_channel\_subunit\_1,acid\_sensing\_ion\_chan metacells TrH2 OG\_7845 TrH2\_TrispH2\_000609-RA ing\_ion\_channel\_subunit\_2,acid\_sensing\_ion\_channel\_subunit\_1,acid\_sensing\_ion\_chan metacells **Hhon OG\_7845** Hhon\_g00080.t1 sing\_ion\_channel\_subunit\_2,acid\_sensing\_ion\_channel\_subunit\_1,acid\_sensing\_ion\_chan metacells HoiH23 OG\_7845 HoiH23\_PIH23\_005253-RA ing\_ion\_channel\_subunit\_2,acid\_sensing\_ion\_channel\_subunit\_1,acid\_sensing\_ion\_chan امار تا 2  $^{-4} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} + ^{0} +$ metacells

Tadh OG\_7847 Tadh\_TriadT58139 acid\_sensing\_ion\_channel\_subunit\_1, acid\_sensing\_ion\_channel\_subunit\_1 2 -metacells TrH2 OG\_7847 TrH2\_TrispH2\_000606-RA  $acid\_sensing\_ion\_channel\_subunit\_2, acid\_sensing\_ion\_channel\_subunit\_1$ 10 metacells Hhon OG\_7847 Hhon\_g00083.t1  $acid\_sensing\_ion\_channel\_subunit\_2, acid\_sensing\_ion\_channel\_subunit\_1$  $^{-4}{}^{+}$ metacells HoiH23 OG\_7847 HoiH23\_PIH23\_005256-RA  $acid\_sensing\_ion\_channel\_subunit\_2, acid\_sensing\_ion\_channel\_subunit\_1$ 10 2  $^{-4} \\ \text{$^{+2}$} \\ \text{$^{+2}$ metacells

# $transient\_receptor\_potential\_cation\_channel\_subfamily\_M\_member\_2$ Tadh | no data TrH2 OG\_10167 TrH2\_TrispH2\_010989-RA $transient\_receptor\_potential\_cation\_channel\_subfamily\_M\_member\_2$ 10 metacells Hhon OG\_10167 Hhon\_g10620.t1 $transient\_receptor\_potential\_cation\_channel\_subfamily\_M\_member\_2$ metacells HoiH23 OG\_10167 HoiH23\_PIH23\_008844-RA $transient\_receptor\_potential\_cation\_channel\_subfamily\_M\_member\_2$ metacells

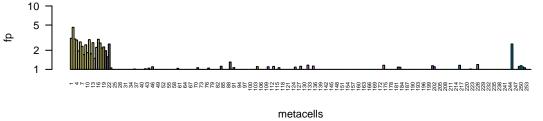
# 



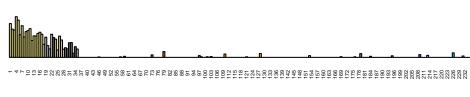


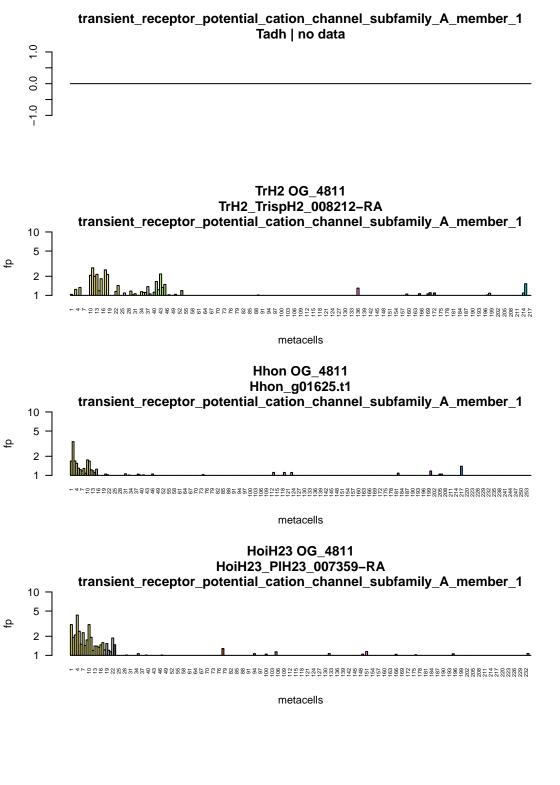
metacells

### Hhon OG\_86 Hhon\_g00262.t1

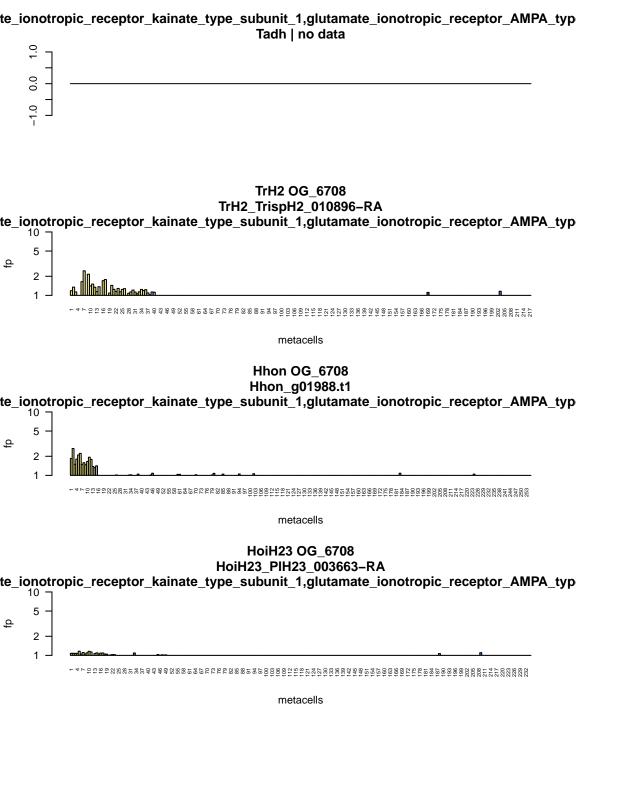


### HoiH23 OG\_86 HoiH23\_PIH23\_001114-RA





# Tadh OG\_5719 Tadh\_TriadT29260 acid\_sensing\_ion\_channel\_subunit\_1 metacells TrH2 OG\_5719 TrH2\_TrispH2\_006784-RA acid\_sensing\_ion\_channel\_subunit\_1 metacells Hhon OG\_5719 Hhon\_g07522.t1 acid\_sensing\_ion\_channel\_subunit\_1 metacells HoiH23 OG\_5719 HoiH23\_PIH23\_005273-RA acid\_sensing\_ion\_channel\_subunit\_1 10 metacells

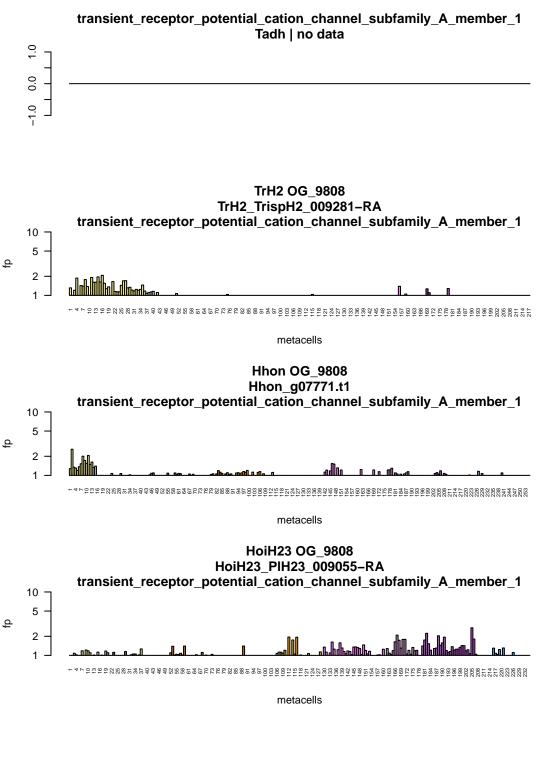


# **Tadh OG\_7848** Tadh\_TriadT58138 acid\_sensing\_ion\_channel\_subunit\_2 metacells TrH2 OG\_7848 TrH2\_TrispH2\_000605-RA acid\_sensing\_ion\_channel\_subunit\_2 metacells Hhon OG\_7848 Hhon\_g00084.t1 acid\_sensing\_ion\_channel\_subunit\_2 metacells HoiH23 OG\_7848 HoiH23\_PIH23\_005257-RA acid\_sensing\_ion\_channel\_subunit\_2 $\begin{smallmatrix} -4 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1 \\ + 1$

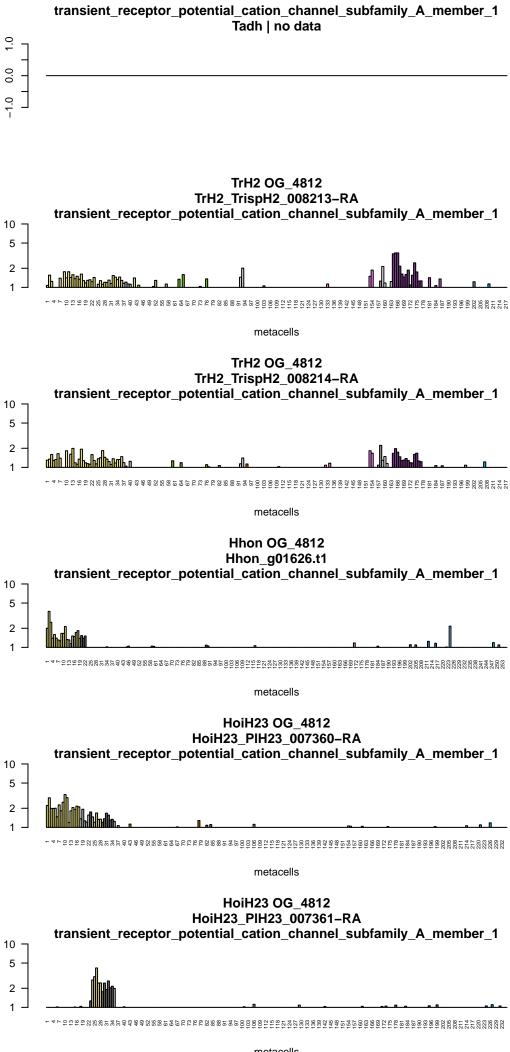
Tadh\_TriadT14565 te\_ionotropic\_receptor\_kainate\_type\_subunit\_2,glutamate\_ionotropic\_receptor\_AMPA\_typ 2 metacells TrH2 OG\_7978 TrH2\_TrispH2\_007748-RA te\_ionotropic\_receptor\_kainate\_type\_subunit\_2,glutamate\_ionotropic\_receptor\_AMPA\_typ metacells Hhon OG\_7978 Hhon\_g02946.t1 te\_ionotropic\_receptor\_kainate\_type\_subunit\_2,glutamate\_ionotropic\_receptor\_AMPA\_typ ф metacells HoiH23 OG\_7978 HoiH23\_PIH23\_010905-RA te\_ionotropic\_receptor\_kainate\_type\_subunit\_2,glutamate\_ionotropic\_receptor\_AMPA\_typ

10 ¬  $^{-4} \\ \text{$^{+2}$} \\ \text{$^{+2}$ metacells

**Tadh OG\_7978** 



# Tadh OG\_10604 Tadh\_TriadT54340 hydrogen\_voltage\_gated\_channel\_1 TrH2 OG\_10604 TrH2\_TrispH2\_003902—RA hydrogen\_voltage\_gated\_channel\_1 Metacells Hhon OG\_10604 Hhon\_g02369.t1 hydrogen\_voltage\_gated\_channel\_1 hydrogen\_voltage\_gated\_channel\_1 hydrogen\_voltage\_gated\_channel\_1



## Tadh OG\_7499 Tadh\_TriadT51027 $potassium\_voltage\_gated\_channel\_subfamily\_H\_member\_5$ metacells TrH2 OG\_7499 TrH2\_TrispH2\_005612-RA $potassium\_voltage\_gated\_channel\_subfamily\_H\_member\_5$ 10 metacells Hhon OG\_7499 Hhon\_g07266.t1 potassium\_voltage\_gated\_channel\_subfamily\_H\_member\_5 metacells HoiH23 OG\_7499 HoiH23\_PIH23\_004608-RA potassium\_voltage\_gated\_channel\_subfamily\_H\_member\_5 10 metacells

