Tadh\_TriadT25473 gen,lipoprotein\_a,receptor\_tyrosine\_kinase\_like\_orphan\_receptor\_1,fibroblast\_growth\_fact 2 metacells Tadh OG\_4665 Tadh\_hyp\_clust6512.t1 metacells TrH2 OG\_4665 TrH2\_TrispH2\_007732-RA gen,lipoprotein\_a,receptor\_tyrosine\_kinase\_like\_orphan\_receptor\_1,fibroblast\_growth\_fact metacells **Hhon OG\_4665** Hhon\_g02963.t1 gen,lipoprotein\_a,receptor\_tyrosine\_kinase\_like\_orphan\_receptor\_1,fibroblast\_growth\_fact  $^{-4} + ^{0} +$ metacells HoiH23 OG\_4665 HoiH23\_PIH23\_007099-RA gen,lipoprotein\_a,receptor\_tyrosine\_kinase\_like\_orphan\_receptor\_1,fibroblast\_growth\_fact metacells

Tadh OG\_4665

### Tadh OG\_4989 Tadh\_TriadT12344 EPH\_receptor\_A5,EPH\_receptor\_B1,EPH\_receptor\_A4 10 metacells TrH2 OG\_4989 TrH2\_TrispH2\_006515-RA EPH\_receptor\_A5,EPH\_receptor\_B1,EPH\_receptor\_A4 10 -metacells Hhon OG\_4989 Hhon\_g01331.t1 EPH\_receptor\_A5,EPH\_receptor\_B1,EPH\_receptor\_A4 metacells HoiH23 OG\_4989 HoiH23\_PIH23\_009212-RA EPH\_receptor\_A5,EPH\_receptor\_B1,EPH\_receptor\_A4 10 metacells

## **Tadh OG\_5395** Tadh\_TriadT52245 pseudopodium\_enriched\_atypical\_kinase\_1 metacells TrH2 OG\_5395 TrH2\_TrispH2\_001015-RA pseudopodium\_enriched\_atypical\_kinase\_1 $\begin{smallmatrix} 1&4&5&5&5&5&6\\ 1&4&5&5&5&6\\ 1&4&5&5&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6$ metacells Hhon OG\_5395 Hhon\_g02904.t1 pseudopodium\_enriched\_atypical\_kinase\_1 metacells HoiH23 OG\_5395 HoiH23\_PIH23\_006629-RA pseudopodium\_enriched\_atypical\_kinase\_1 metacells

**Tadh OG\_6870** Tadh\_TriadT24350 aminobutyric\_acid\_type\_B\_receptor\_subunit\_2,gamma\_aminobutyric\_acid\_type\_B\_receptor\_ 2 metacells TrH2 OG\_6870 TrH2\_TrispH2\_004328-RA aminobutyric\_acid\_type\_B\_receptor\_subunit\_2,gamma\_aminobutyric\_acid\_type\_B\_receptor\_ metacells **Hhon OG\_6870** Hhon\_g06259.t1 aminobutyric\_acid\_type\_B\_receptor\_subunit\_2,gamma\_aminobutyric\_acid\_type\_B\_receptor\_  $^{-4}{}^{+}$ metacells HoiH23 OG\_6870 HoiH23\_PIH23\_008790-RA aminobutyric\_acid\_type\_B\_receptor\_subunit\_2,gamma\_aminobutyric\_acid\_type\_B\_receptor\_subunit\_2  $^{-4} \\ \text{$^{+2}$} \\ \text{$^{+2}$ metacells

Tadh OG\_7080 Tadh\_TriadT57765  $nidogen\_2, LDL\_receptor\_related\_protein\_1, LDL\_receptor\_related\_protein\_2$ 2 metacells TrH2 OG\_7080 TrH2\_TrispH2\_009409-RA  $nidogen\_2, LDL\_receptor\_related\_protein\_1, LDL\_receptor\_related\_protein\_2$ 10  $\begin{smallmatrix} 1&4&5&5&5&5&6\\ 1&4&5&5&5&6\\ 1&4&5&5&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6$ metacells Hhon OG\_7080 Hhon\_g06075.t1 nidogen\_2,LDL\_receptor\_related\_protein\_1,LDL\_receptor\_related\_protein\_2 metacells HoiH23 OG\_7080 HoiH23\_PIH23\_006689-RA  $nidogen\_2, LDL\_receptor\_related\_protein\_1, LDL\_receptor\_related\_protein\_2$ metacells

## **Tadh OG\_7543** Tadh\_TriadT26098 dual\_serine\_threonine\_and\_tyrosine\_protein\_kinase metacells TrH2 OG\_7543 TrH2\_TrispH2\_001173-RA $dual\_serine\_threonine\_and\_tyrosine\_protein\_kinase$ 10 $\begin{smallmatrix} 1&4&5&5&5&5&6\\ 1&4&5&5&5&6\\ 1&4&5&5&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6$ metacells Hhon OG\_7543 Hhon\_g10218.t1 $dual\_serine\_threonine\_and\_tyrosine\_protein\_kinase$ metacells HoiH23 OG\_7543 HoiH23\_PIH23\_000250-RA $dual\_serine\_threonine\_and\_tyrosine\_protein\_kinase$ metacells

**Tadh OG\_7857** Tadh\_TriadT62259 hibitor\_of\_nuclear\_factor\_kappa\_B\_kinase\_complex,inhibitor\_of\_nuclear\_factor\_kappa\_B\_ 2 metacells TrH2 OG\_7857 TrH2\_TrispH2\_007459-RA hibitor\_of\_nuclear\_factor\_kappa\_B\_kinase\_complex,inhibitor\_of\_nuclear\_factor\_kappa\_B\_ metacells Hhon OG\_7857 Hhon\_g08518.t1 hibitor\_of\_nuclear\_factor\_kappa\_B\_kinase\_complex,inhibitor\_of\_nuclear\_factor\_kappa\_B\_ ф metacells Hhon OG\_7857 Hhon\_g08519.t1 hibitor\_of\_nuclear\_factor\_kappa\_B\_kinase\_complex,inhibitor\_of\_nuclear\_factor\_kappa\_B\_ metacells Hhon OG\_7857 Hhon\_g08520.t1 hibitor\_of\_nuclear\_factor\_kappa\_B\_kinase\_complex,inhibitor\_of\_nuclear\_factor\_kappa\_B\_ metacells HoiH23 OG\_7857 HoiH23\_PIH23\_009338-RA hibitor\_of\_nuclear\_factor\_kappa\_B\_kinase\_complex,inhibitor\_of\_nuclear\_factor\_kappa\_B\_  $\begin{smallmatrix} & +4 \\ & +6$ metacells

Tadh OG\_8523 Tadh\_TriadT55130 protein\_kinase\_kinase\_kinase\_20,protein\_kinase\_C\_delta,ABL\_proto\_oncogene\_1\_non\_re 2 metacells TrH2 OG\_8523 TrH2\_TrispH2\_011103-RA protein\_kinase\_kinase\_kinase\_20,protein\_kinase\_C\_delta,ABL\_proto\_oncogene\_1\_non\_re metacells **Hhon OG\_8523** Hhon\_g07211.t1 protein\_kinase\_kinase\_kinase\_20,protein\_kinase\_C\_delta,ABL\_proto\_oncogene\_1\_non\_re  $^{-4} + ^{0} +$ metacells HoiH23 OG\_8523 HoiH23\_PIH23\_004414-RA protein\_kinase\_kinase\_kinase\_20,protein\_kinase\_C\_delta,ABL\_proto\_oncogene\_1\_non\_re  $^{-4} \\ \text{$^{+2}$} \\ \text{$^{+2}$ metacells

## Tadh OG\_8860 Tadh\_TriadT21564 discoidin\_domain\_receptor\_tyrosine\_kinase\_2 metacells TrH2 OG\_8860 TrH2\_TrispH2\_003091-RA discoidin\_domain\_receptor\_tyrosine\_kinase\_2 metacells Hhon OG\_8860 Hhon\_g01284.t1 discoidin\_domain\_receptor\_tyrosine\_kinase\_2 metacells HoiH23 OG\_8860 HoiH23\_PIH23\_005647-RA discoidin\_domain\_receptor\_tyrosine\_kinase\_2 metacells

Tadh OG\_9228 Tadh\_TriadT15161  $receptor\_tyrosine\_kinase\_like\_orphan\_receptor\_1, fibroblast\_growth\_factor\_receptor\_2$ 2 metacells TrH2 OG\_9228 TrH2\_TrispH2\_004628-RA receptor\_tyrosine\_kinase\_like\_orphan\_receptor\_1,fibroblast\_growth\_factor\_receptor\_2  $\begin{smallmatrix} 1&4&5&5&5&5&6\\ 1&4&5&5&5&6\\ 1&4&5&5&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6$ metacells Hhon OG\_9228 Hhon\_g08731.t1 receptor\_tyrosine\_kinase\_like\_orphan\_receptor\_1,fibroblast\_growth\_factor\_receptor\_2  $^{-4}{}^{+}$ metacells HoiH23 OG\_9228 HoiH23\_PIH23\_010892-RA receptor\_tyrosine\_kinase\_like\_orphan\_receptor\_1,fibroblast\_growth\_factor\_receptor\_2  $^{-4} \\ \text{$^{+2}$} \\ \text{$^{+2}$ metacells

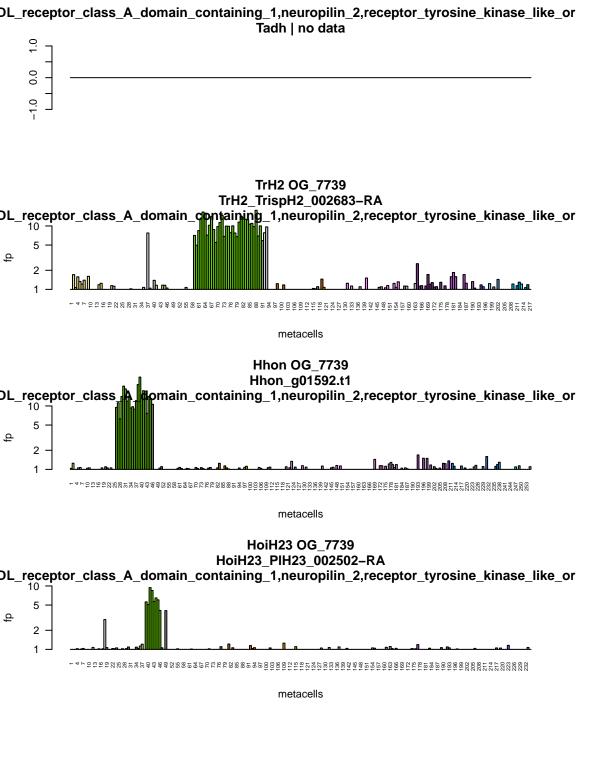
Tadh OG\_10033 Tadh\_wf\_g6078.t1 protein\_tyrosine\_kinase\_7\_inactive,receptor\_tyrosine\_kinase\_like\_orphan\_receptor\_2 2 metacells Tadh OG\_10033 Tadh\_wf\_g11986.t1 protein\_tyrosine\_kinase\_7\_inactive,receptor\_tyrosine\_kinase\_like\_orphan\_receptor\_2 metacells TrH2 OG\_10033 TrH2\_TrispH2\_003293-RA protein\_tyrosine\_kinase\_7\_inactive,receptor\_tyrosine\_kinase\_like\_orphan\_receptor\_2 metacells Hhon OG\_10033 Hhon\_g04647.t1 protein\_tyrosine\_kinase\_7\_inactive,receptor\_tyrosine\_kinase\_like\_orphan\_receptor\_2 metacells HoiH23 OG\_10033 HoiH23\_PIH23\_005514-RA protein\_tyrosine\_kinase\_7\_inactive,receptor\_tyrosine\_kinase\_like\_orphan\_receptor\_2 metacells

## Tadh OG\_6680 Tadh\_TriadT34081 $interleukin\_1\_receptor\_associated\_kinase\_4$ metacells TrH2 OG\_6680 TrH2\_TrispH2\_010672-RA interleukin\_1\_receptor\_associated\_kinase\_4 $\begin{smallmatrix} 1&4&5&5&5&5&5\\ 1&4&5&5&5&5&5\\ 2&5&5&5&5&5&5\\ 2&$ metacells **Hhon OG\_6680** Hhon\_g03874.t1 interleukin\_1\_receptor\_associated\_kinase\_4 metacells HoiH23 OG\_6680 HoiH23\_PIH23\_004062-RA $interleukin\_1\_receptor\_associated\_kinase\_4$ metacells

## $fibroblast\_growth\_factor\_receptor\_2, ret\_proto\_oncogene$ Tadh | no data TrH2 OG\_7024 TrH2\_TrispH2\_003181-RA $fibroblast\_growth\_factor\_receptor\_2, ret\_proto\_oncogene$ 10 $\begin{smallmatrix} 1&4&5&5&5&5&5\\ 1&4&5&5&5&5&5\\ 2&5&5&5&5&5&5\\ 2&$ metacells Hhon OG\_7024 Hhon\_g03683.t1 fibroblast\_growth\_factor\_receptor\_2,ret\_proto\_oncogene metacells HoiH23 OG\_7024 HoiH23\_PIH23\_002085-RA $fibroblast\_growth\_factor\_receptor\_2, ret\_proto\_oncogene$ metacells

## **Tadh OG\_7164** Tadh\_TriadT30386 integrin\_linked\_kinase 10 metacells TrH2 OG\_7164 TrH2\_TrispH2\_011279-RA integrin\_linked\_kinase 10 metacells Hhon OG\_7164 Hhon\_g11228.t1 integrin\_linked\_kinase metacells HoiH23 OG\_7164 HoiH23\_PIH23\_010444-RA integrin\_linked\_kinase 10 metacells

## TrH2 OG\_7215 TrH2\_TrispH2\_007186-RA $gamma\_aminobutyric\_acid\_type\_B\_receptor\_subunit\_2$ 10 metacells Hhon OG\_7215 Hhon\_g06834.t1 gamma\_aminobutyric\_acid\_type\_B\_receptor\_subunit\_2 metacells HoiH23 OG\_7215 HoiH23\_PIH23\_003953-RA $gamma\_aminobutyric\_acid\_type\_B\_receptor\_subunit\_2$ metacells



Tadh OG\_8374 Tadh\_TriadT50482 fyn\_related\_Src\_family\_tyrosine\_kinase,SRC\_proto\_oncogene\_non\_receptor\_tyrosine\_kin 2 metacells TrH2 OG\_8374 TrH2\_TrispH2\_006471-RA fyn\_related\_Src\_family\_tyrosine\_kinase,SRC\_proto\_oncogene\_non\_receptor\_tyrosine\_kin  $\begin{smallmatrix} 1&4&5&5&5&5&6\\ 1&4&5&5&5&6\\ 1&4&5&5&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6$ metacells Hhon OG\_8374 Hhon\_g00224.t1 fyn\_related\_Src\_family\_tyrosine\_kinase,SRC\_proto\_oncogene\_non\_receptor\_tyrosine\_kin ф metacells HoiH23 OG\_8374 HoiH23\_PIH23\_003195-RA fyn\_related\_Src\_family\_tyrosine\_kinase,SRC\_proto\_oncogene\_non\_receptor\_tyrosine\_kin  $^{-4} \\ \text{$^{+2}$} \\ \text{$^{+2}$ 

metacells

**Tadh OG\_8378** Tadh\_wf\_g6857.t1
\_proto\_oncogene\_Src\_family\_tyrosine\_kinase,YES\_proto\_oncogene\_1\_Src\_family\_tyrosine\_
10 ¬ 2 metacells \_proto\_oncogene\_Src\_family\_tyrosine\_kinase,YES\_proto\_oncogene\_1\_Src\_family\_tyrosine TrH2 | no data **Hhon OG\_8378** Hhon\_g00231.t1 \_proto\_oncogene\_Src\_family\_tyrosine\_kinase,YES\_proto\_oncogene\_1\_Src\_family\_tyrosine\_ 10 ¬  $^{-4}{}^{+}{}^{}$ metacells HoiH23 OG\_8378 HoiH23\_hyp\_clust5206b.t1 \_proto\_oncogene\_Src\_family\_tyrosine\_kinase,YES\_proto\_oncogene\_1\_Src\_family\_tyrosine\_  $^{-4} \\ \text{$^{+2}$} \\ \text{$^{+2}$ 

metacells

## **Tadh OG\_8597** $Tadh\_wf\_g307.t1$ interleukin\_1\_receptor\_associated\_kinase\_4 10 metacells TrH2 OG\_8597 TrH2\_TrispH2\_009235-RA interleukin\_1\_receptor\_associated\_kinase\_4 10 metacells TrH2 OG\_8597 TrH2\_TrispH2\_009237-RA interleukin\_1\_receptor\_associated\_kinase\_4 metacells TrH2 OG\_8597 TrH2\_TrispH2\_009239-RA interleukin\_1\_receptor\_associated\_kinase\_4 10 metacells TrH2 OG\_8597 TrH2\_TrispH2\_009243-RA interleukin\_1\_receptor\_associated\_kinase\_4 Hhon OG\_8597 Hhon\_g02059.t1 interleukin\_1\_receptor\_associated\_kinase\_4 10 $^{-4}{}^{+}{}^{}$ metacells HoiH23 OG\_8597 HoiH23\_PIH23\_010001-RA interleukin\_1\_receptor\_associated\_kinase\_4 metacells

Tadh OG\_8861 Tadh\_TriadT3665 ומטוב וומטוב מססס discoidin\_domain\_receptor\_tyrosine\_kinase\_1,discoidin\_domain\_receptor\_tyrosine\_kinas 2 metacells TrH2 OG\_8861 TrH2\_TrispH2\_003090-RA นาน\_\_\_การคุณ∠\_บบอบชบ−KA discoidin\_domain\_receptor\_tyrosine\_kinase\_1,discoidin\_domain\_receptor\_tyrosine\_kinas metacells **Hhon OG\_8861** Hhon\_g01283.t1 discoidin\_domain\_receptor\_tyrosine\_kinase\_1,discoidin\_domain\_receptor\_tyrosine\_kinase\_10 ¬  $^{-4}{}^{+}$ metacells HoiH23 OG\_8861 HoiH23\_PIH23\_005648-RA מוניסולס – KA discoidin\_domain\_receptor\_tyrosine\_kinase\_1,discoidin\_domain\_receptor\_tyrosine\_kinas  $^{-4} \\ \text{$^{+2}$} \\ \text{$^{+2}$ metacells



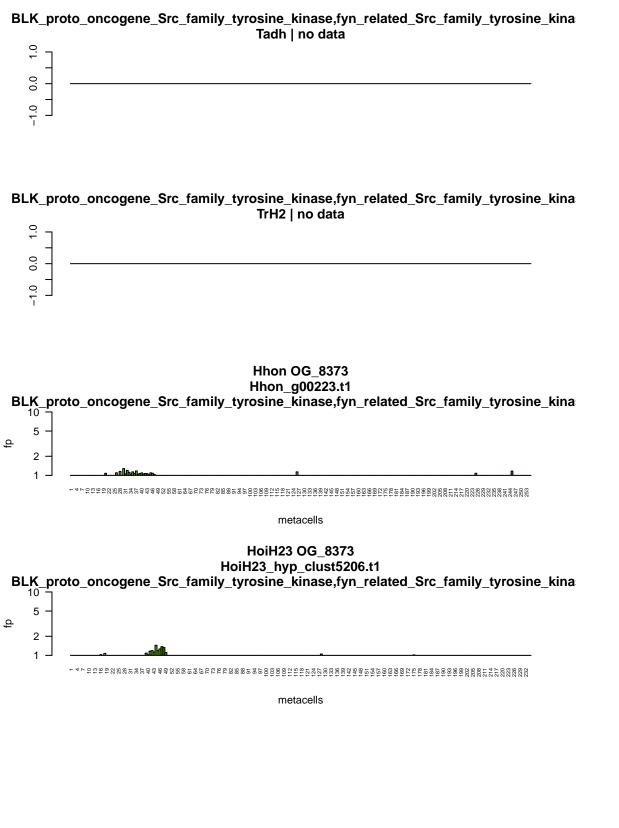


# Tadh\_GG\_4742 Tadh\_TriadT59515 G\_protein\_coupled\_receptor\_157 metacells TrH2 OG\_4742 TrH2\_TrispH2\_009402-RA G\_protein\_coupled\_receptor\_157 metacells G\_protein\_coupled\_receptor\_157 Hhon | no data G\_protein\_coupled\_receptor\_157 HoiH23 | no data



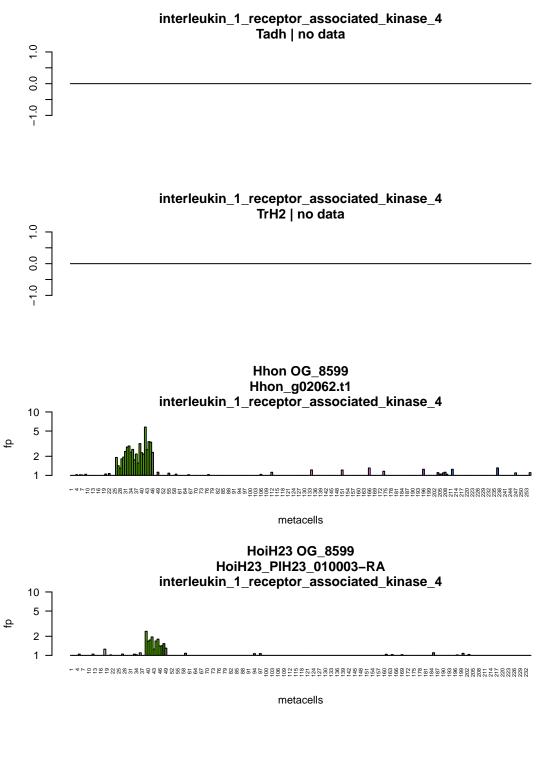
## **Tadh OG\_6172** Tadh\_TriadT28666 $NPC\_intracellular\_cholesterol\_transporter\_1$ 10 metacells TrH2 OG\_6172 TrH2\_TrispH2\_003680-RA NPC\_intracellular\_cholesterol\_transporter\_1 metacells **Hhon OG\_6172** Hhon\_g07714.t1 NPC\_intracellular\_cholesterol\_transporter\_1 metacells HoiH23 OG\_6172 HoiH23\_PIH23\_003815-RA $NPC\_intracellular\_cholesterol\_transporter\_1$ 10 metacells

### Tadh OG\_8192 Tadh\_TriadT61975 $tachykinin\_receptor\_2, pyroglutamylated\_RFamide\_peptide\_receptor$ 10 metacells TrH2 OG\_8192 TrH2\_TrispH2\_011049-RA $tachykinin\_receptor\_2, pyroglutamylated\_RFamide\_peptide\_receptor$ 10 metacells Hhon OG\_8192 Hhon\_g04920.t1 $tachykinin\_receptor\_2, pyroglutamylated\_RFamide\_peptide\_receptor$ $^{-4}{}^{+}$ metacells HoiH23 OG\_8192 HoiH23\_PIH23\_005027-RA $tachykinin\_receptor\_2, pyroglutamylated\_RFamide\_peptide\_receptor$ metacells



## Tadh OG\_8528 Tadh\_TriadT55120 TXK\_tyrosine\_kinase,protein\_kinase\_C\_theta metacells TrH2 OG\_8528 TrH2\_TrispH2\_009987-RA TXK\_tyrosine\_kinase,protein\_kinase\_C\_theta metacells Hhon OG\_8528 Hhon\_g07222.t1 TXK\_tyrosine\_kinase,protein\_kinase\_C\_theta metacells HoiH23 OG\_8528 HoiH23\_PIH23\_004425-RA TXK\_tyrosine\_kinase,protein\_kinase\_C\_theta $\begin{smallmatrix} -4 \\ + 1$ metacells

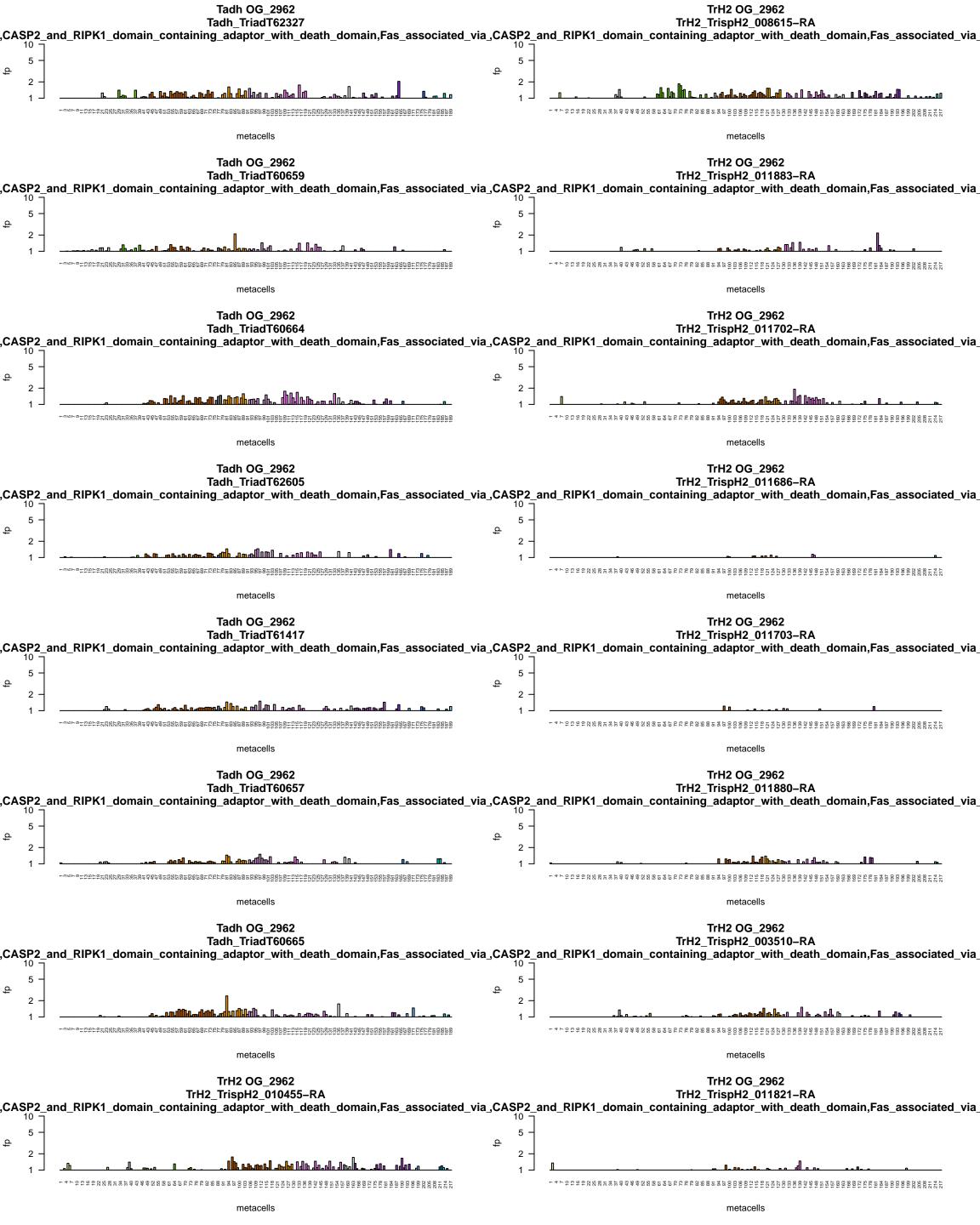
## interleukin\_1\_receptor\_associated\_kinase\_4 Tadh | no data TrH2 OG\_8574 TrH2\_TrispH2\_008688-RA interleukin\_1\_receptor\_associated\_kinase\_4 metacells Hhon OG\_8574 Hhon\_g10757.t1 interleukin\_1\_receptor\_associated\_kinase\_4 -4 + 7055 + 5024 + 2020 + 20metacells HoiH23 OG\_8574 HoiH23\_PIH23\_007835-RA $interleukin\_1\_receptor\_associated\_kinase\_4$ metacells

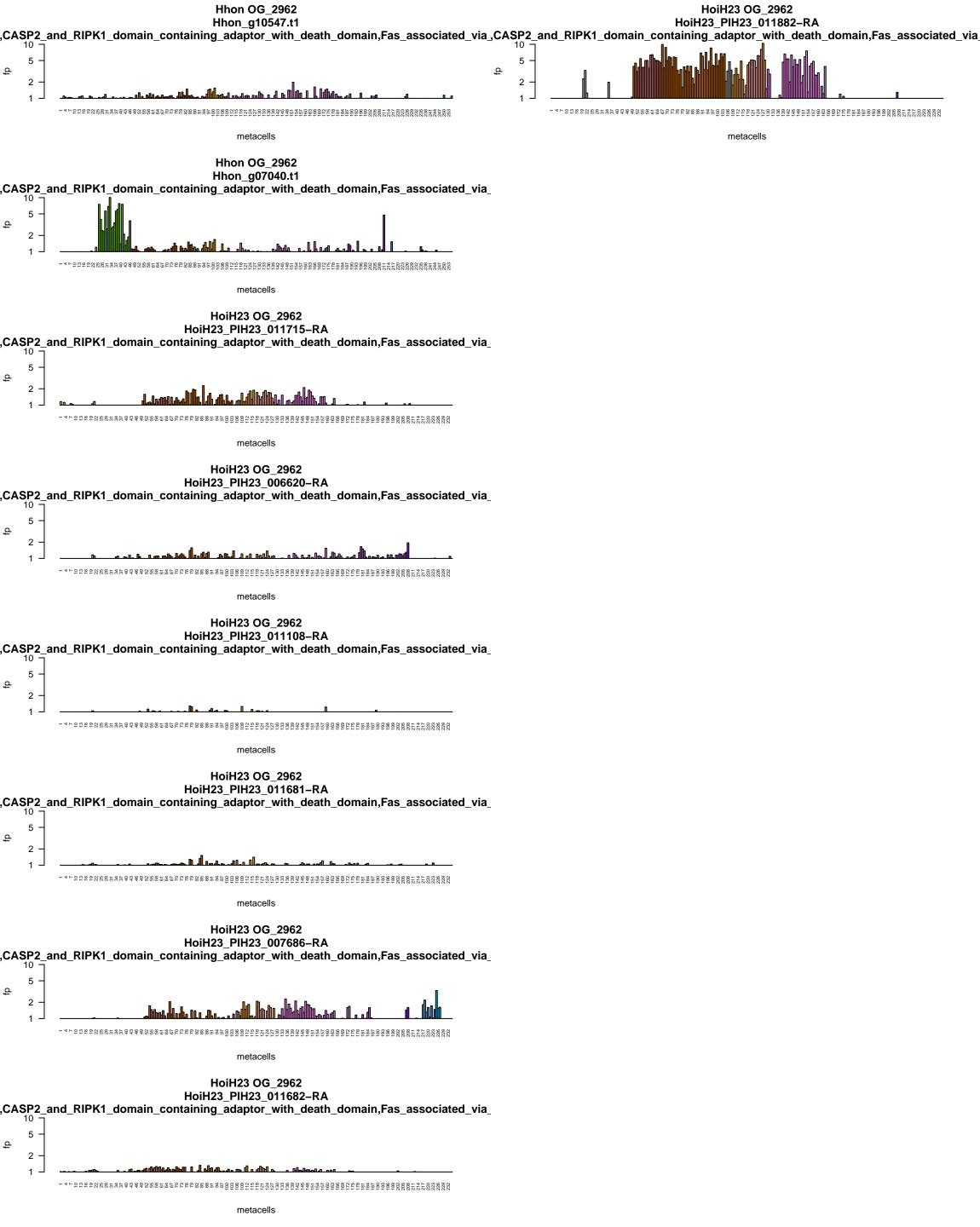


### Tadh OG\_9304 Tadh\_TriadT52362 $patched\_domain\_containing\_3, NPC\_intracellular\_cholesterol\_transporter\_1$ 2 metacells TrH2 OG\_9304 TrH2\_TrispH2\_000019-RA $patched\_domain\_containing\_3, NPC\_intracellular\_cholesterol\_transporter\_1$ 10 $\begin{smallmatrix} 1&4&5&5&5&5&6\\ 1&4&5&5&5&6\\ 1&4&5&5&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6$ metacells Hhon OG\_9304 Hhon\_g04014.t1 patched\_domain\_containing\_3,NPC\_intracellular\_cholesterol\_transporter\_1 metacells HoiH23 OG\_9304 HoiH23\_PIH23\_000869-RA $patched\_domain\_containing\_3, NPC\_intracellular\_cholesterol\_transporter\_1$ 10 metacells

# Tadh\_TriadT51556 interleukin\_1\_receptor\_associated\_kinase\_4 TrH2 OG\_10434 TrH2\_TrispH2\_009076-RA interleukin\_1\_receptor\_associated\_kinase\_4 interleukin\_1\_receptor\_associated\_kinase\_4 Hhon | no data interleukin\_1\_receptor\_associated\_kinase\_4 HoiH23 | no data

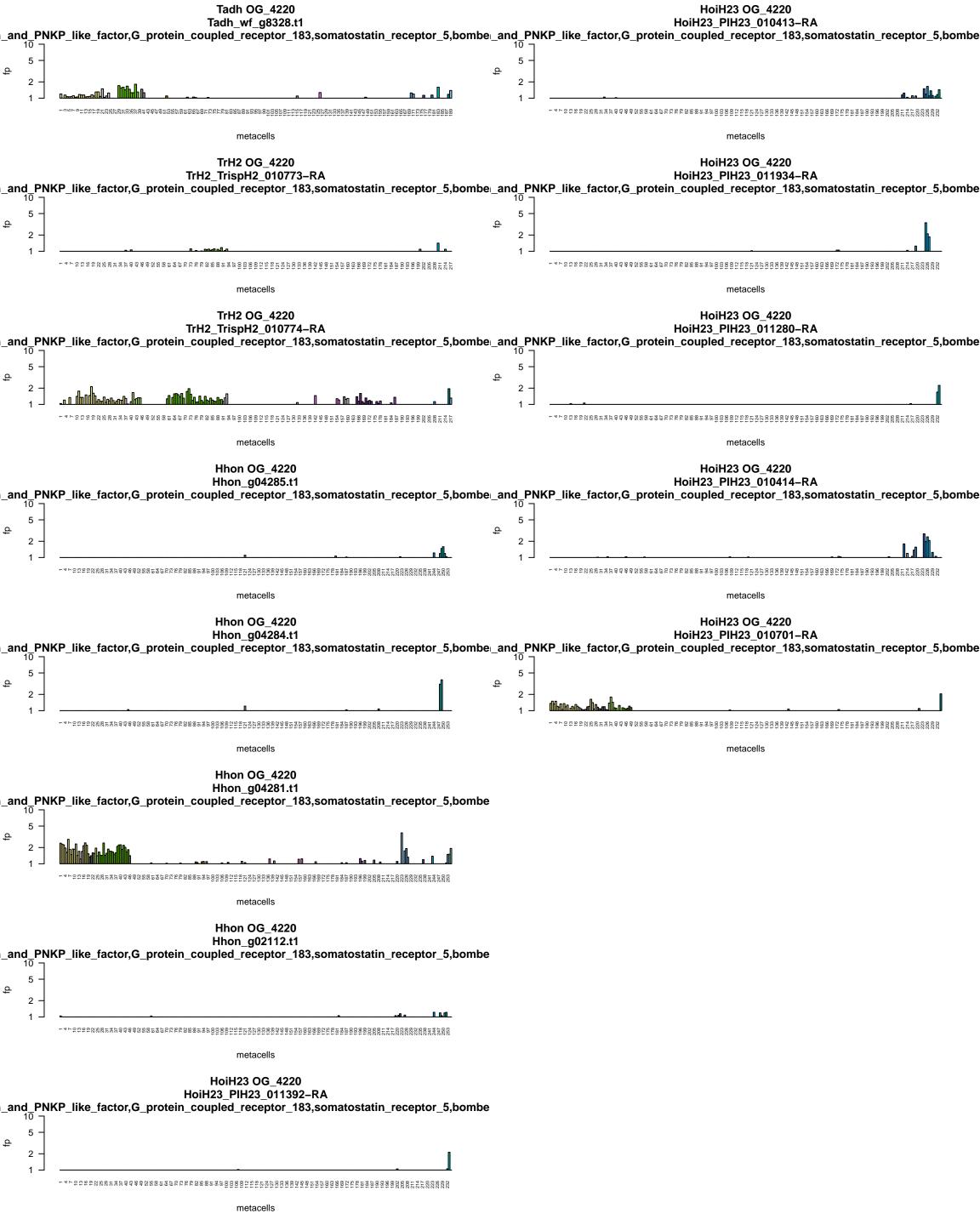
# Tadh\_TriadT51563 interleukin\_1\_receptor\_associated\_kinase\_4 TrH2 OG\_10475 TrH2\_TrispH2\_009240-RA interleukin\_1\_receptor\_associated\_kinase\_4 metacells interleukin\_1\_receptor\_associated\_kinase\_4 Hhon | no data





Tadh OG\_3899 Tadh\_TriadT9164 one\_morphogenetic\_protein\_2,growth\_differentiation\_factor\_7,bone\_morphogenetic\_prote 2 metacells TrH2 OG\_3899 TrH2\_TrispH2\_000628-RA metacells Hhon OG\_3899 Hhon\_g00066.t1 one\_morphogenetic\_protein\_2,growth\_differentiation\_factor\_7,bone\_morphogenetic\_prote metacells HoiH23 OG\_3899 HoiH23\_PIH23\_005236-RA one\_morphogenetic\_protein\_2,growth\_differentiation\_factor\_7,bone\_morphogenetic\_prote 

metacells



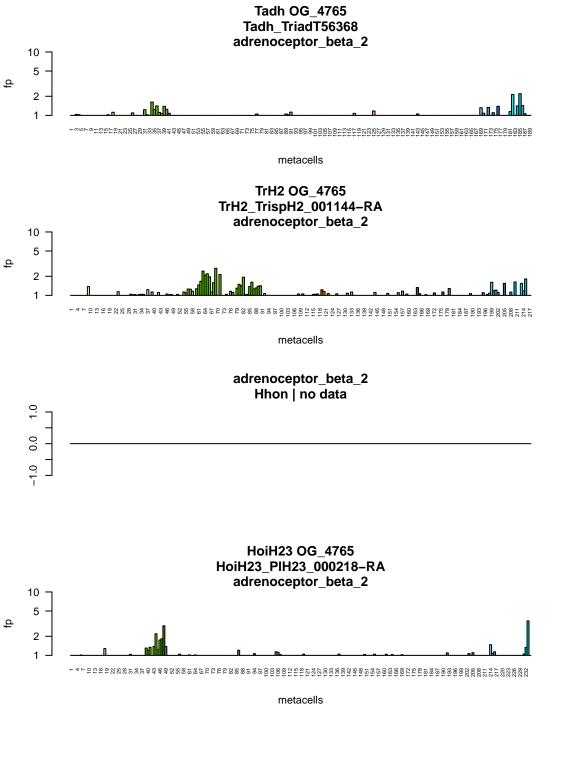
**Tadh OG\_4524** Tadh\_TriadT28807 ф 2 metacells TrH2 OG\_4524 TrH2\_TrispH2\_009585-RA testis\_associated\_actin\_remodelling\_kinase\_2,testis\_associated\_actin\_remodelling\_kinase\_10\_ ф  $\begin{smallmatrix} 1&4&5&5&5&5&6\\ 1&4&5&5&5&6\\ 1&4&5&5&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6$ metacells **Hhon OG\_4524** Hhon\_g02301.t1 testis\_associated\_actin\_remodelling\_kinase\_2,testis\_associated\_actin\_remodelling\_kinase\_10\_ ф metacells HoiH23 OG\_4524

HoiH23\_PIH23\_005552-RA

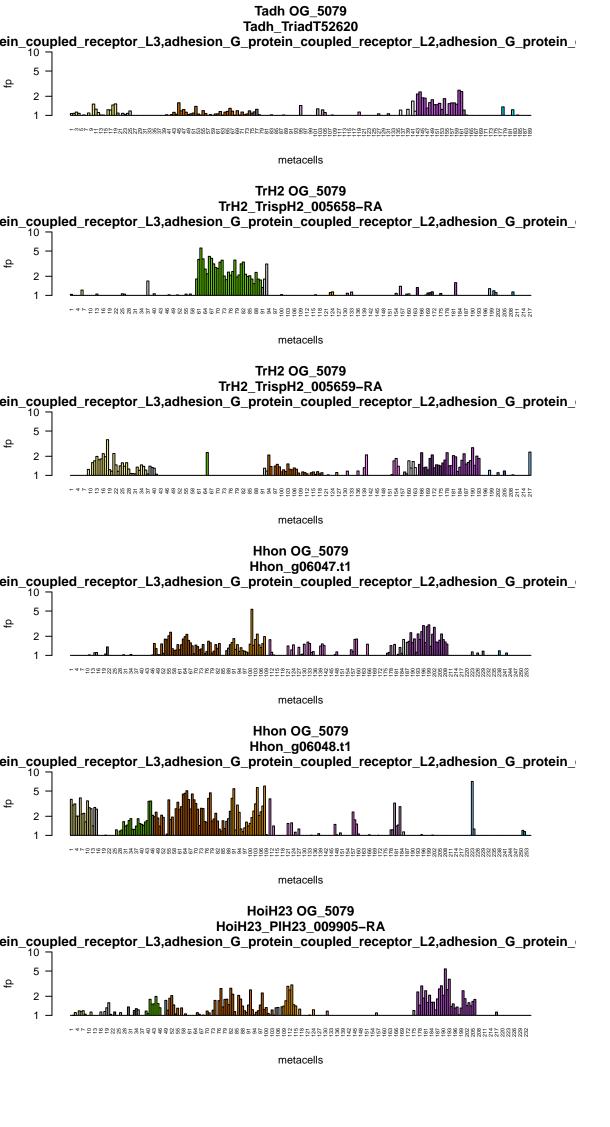
testis\_associated\_actin\_remodelling\_kinase\_2,testis\_associated\_actin\_remodelling\_kinas

## **Tadh OG\_4628** Tadh\_TriadT55243 $calcium\_calmodulin\_dependent\_serine\_protein\_kinase$ metacells TrH2 OG\_4628 TrH2\_TrispH2\_001744-RA $calcium\_calmodulin\_dependent\_serine\_protein\_kinase$ 10 -metacells **Hhon OG\_4628** Hhon\_g05233.t1 $calcium\_calmodulin\_dependent\_serine\_protein\_kinase$ metacells HoiH23 OG\_4628 HoiH23\_PIH23\_009533-RA calcium\_calmodulin\_dependent\_serine\_protein\_kinase metacells

### **Tadh OG\_4678** Tadh\_TriadT30101 protein\_kinase\_cGMP\_dependent\_1 10 metacells TrH2 OG\_4678 TrH2\_TrispH2\_000272-RA protein\_kinase\_cGMP\_dependent\_1 10 metacells **Hhon OG\_4678** Hhon\_g05975.t1 protein\_kinase\_cGMP\_dependent\_1 metacells HoiH23 OG\_4678 HoiH23\_PIH23\_003088-RA protein\_kinase\_cGMP\_dependent\_1 10 metacells



**Tadh OG\_5043** Tadh\_wf\_g6774.t1 Rho\_associated\_coiled\_coil\_containing\_protein\_kinase\_1 metacells TrH2 OG\_5043 TrH2\_TrispH2\_001441-RA Rho\_associated\_coiled\_coil\_containing\_protein\_kinase\_1 10  $\begin{smallmatrix} 1&4&5&5&5&5&6\\ 1&4&5&5&5&6\\ 1&4&5&5&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6$ metacells **Hhon OG\_5043** Hhon\_g03548.t1 Rho\_associated\_coiled\_coil\_containing\_protein\_kinase\_1 -4 + 5metacells HoiH23 OG\_5043 HoiH23\_PIH23\_001066-RA Rho\_associated\_coiled\_coil\_containing\_protein\_kinase\_1 metacells



**Tadh OG\_5745** Tadh\_TriadT60796 coagulation\_factor\_II\_thrombin\_receptor,hypocretin\_receptor\_2 10 metacells TrH2 OG\_5745 TrH2\_TrispH2\_011095-RA  $coagulation\_factor\_II\_thrombin\_receptor, hypocretin\_receptor\_2$ 10 metacells Hhon OG\_5745 Hhon\_g08294.t1 coagulation\_factor\_II\_thrombin\_receptor,hypocretin\_receptor\_2 -4 + 7055 + 6052 + 60metacells HoiH23 OG\_5745 HoiH23\_PIH23\_005960-RA  $coagulation\_factor\_II\_thrombin\_receptor, hypocretin\_receptor\_2$ 

# Tadh OG\_5787 Tadh\_TriadT60311 relaxin\_family\_peptide\_receptor\_2 TrH2 OG\_5787 TrH2 TrispH2\_000871=RA relaxin\_family\_peptide\_receptor\_2 The companies of the co

### **Tadh OG\_6385** Tadh\_TriadT55912 histamine\_receptor\_H2 10 metacells TrH2 OG\_6385 TrH2\_TrispH2\_011109-RA histamine\_receptor\_H2 metacells **Hhon OG\_6385** Hhon\_g03272.t1 histamine\_receptor\_H2 metacells HoiH23 OG\_6385 HoiH23\_PIH23\_002027-RA histamine\_receptor\_H2 10 metacells

### **Tadh OG\_7266** Tadh\_TriadT22855 insulin\_like\_growth\_factor\_1\_receptor,insulin\_receptor 10 metacells **Tadh OG\_7266** Tadh\_TriadT54804 $insulin\_like\_growth\_factor\_1\_receptor, insulin\_receptor$ 10 metacells **Tadh OG\_7266** Tadh\_TriadT4397 $insulin\_like\_growth\_factor\_1\_receptor, insulin\_receptor$ metacells TrH2 OG\_7266 TrH2\_TrispH2\_002174-RA insulin\_like\_growth\_factor\_1\_receptor,insulin\_receptor 10 metacells **Hhon OG\_7266** Hhon\_g04715.t1 insulin\_like\_growth\_factor\_1\_receptor,insulin\_receptor metacells HoiH23 OG\_7266 HoiH23\_PIH23\_002158-RA insulin\_like\_growth\_factor\_1\_receptor,insulin\_receptor 10 metacells

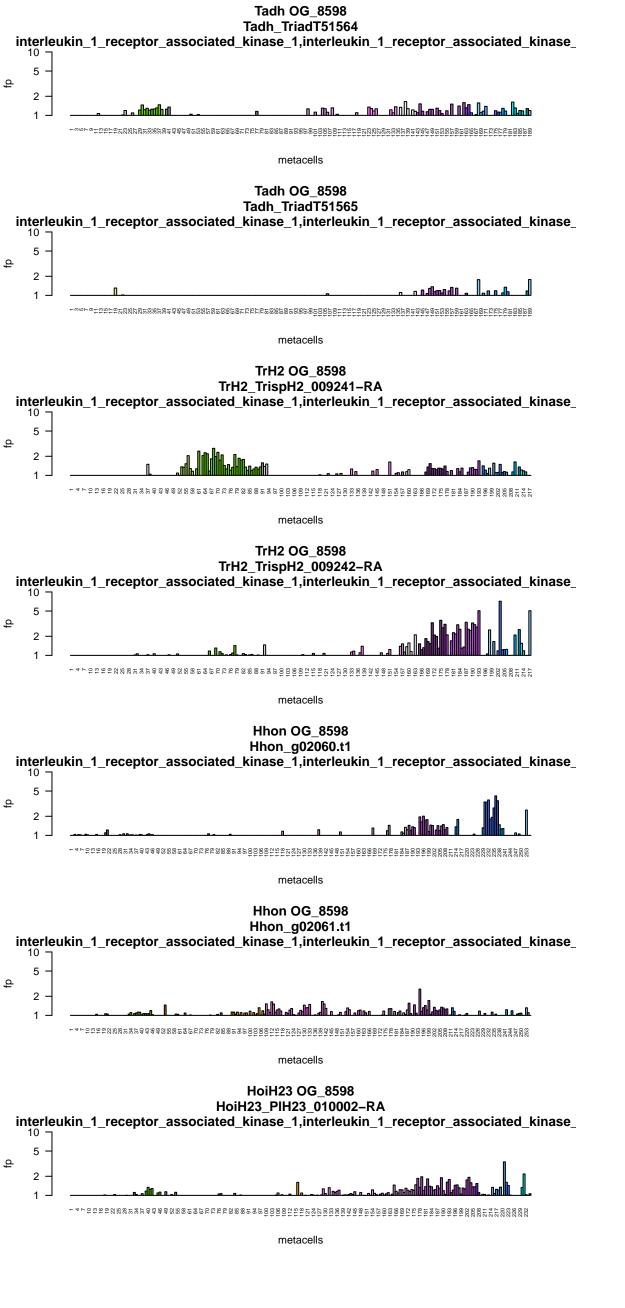
# Tadh OG\_7660 Tadh\_TriadT57533 dispatched\_RND\_transporter\_family\_member\_3 metacells TrH2 OG\_7660 TrH2\_TrispH2\_004546-RA $dispatched\_RND\_transporter\_family\_member\_3$ metacells Hhon OG\_7660 Hhon\_g06932.t1 $dispatched\_RND\_transporter\_family\_member\_3$ metacells HoiH23 OG\_7660 HoiH23\_PIH23\_005781-RA $dispatched\_RND\_transporter\_family\_member\_3$ metacells

Tadh OG\_8017 Tadh\_TriadT24066 SIK\_family\_kinase\_3 10 metacells TrH2 OG\_8017 TrH2\_TrispH2\_004370-RA SIK\_family\_kinase\_3 metacells Hhon OG\_8017 Hhon\_g07990.t1 SIK\_family\_kinase\_3 metacells HoiH23 OG\_8017 HoiH23\_PIH23\_006145-RA SIK\_family\_kinase\_3 10 metacells

# Tadh OG\_8120 Tadh\_TriadT4556 neuropeptide\_FF\_receptor\_2 10 metacells TrH2 OG\_8120 TrH2\_TrispH2\_006690-RA neuropeptide\_FF\_receptor\_2 metacells Hhon OG\_8120 Hhon\_g03303.t1 neuropeptide\_FF\_receptor\_2 metacells HoiH23 OG\_8120 HoiH23\_PIH23\_006806-RA neuropeptide\_FF\_receptor\_2 10 metacells

**Tadh OG\_8522** Tadh\_TriadT55131  $mitogen\_activated\_protein\_kinase\_kinase\_kinase\_12, protein\_kinase\_C\_theta$ metacells TrH2 OG\_8522 TrH2\_TrispH2\_011102-RA  $mitogen\_activated\_protein\_kinase\_kinase\_kinase\_12, protein\_kinase\_C\_theta$ metacells Hhon OG\_8522 Hhon\_g07210.t1  $mitogen\_activated\_protein\_kinase\_kinase\_kinase\_12, protein\_kinase\_C\_theta$  $^{-4}{}^{+}$ metacells HoiH23 OG\_8522 HoiH23\_PIH23\_004413-RA  $mitogen\_activated\_protein\_kinase\_kinase\_kinase\_12, protein\_kinase\_C\_theta$  $^{-4} \\ \text{$^{+2}$} \\ \text{$^{+2}$ metacells

### Tadh OG\_8573 Tadh\_TriadT56774 $interleukin\_1\_receptor\_associated\_kinase\_4$ 10 metacells TrH2 OG\_8573 TrH2\_TrispH2\_008689-RA interleukin\_1\_receptor\_associated\_kinase\_4 10 $\begin{smallmatrix} 1&4&5&5&5&5&6\\ 1&4&5&5&5&6\\ 1&4&5&5&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6$ metacells Hhon OG\_8573 Hhon\_g10758.t1 interleukin\_1\_receptor\_associated\_kinase\_4 metacells HoiH23 OG\_8573 HoiH23\_PIH23\_007834-RA interleukin\_1\_receptor\_associated\_kinase\_4



# Tadh\_TriadT60717 eukaryotic\_translation\_initiation\_factor\_2\_alpha\_kinase\_3 TrH2\_OG\_8713 TrH2\_TrispH2\_010793-RA eukaryotic\_translation\_initiation\_factor\_2\_alpha\_kinase\_3 metacells metacells respectively. metacells eukaryotic\_translation\_initiation\_factor\_2\_alpha\_kinase\_3 Hhon | no data eukaryotic\_translation\_initiation\_factor\_2\_alpha\_kinase\_3 Hhon | no data

### Tadh OG\_9042 Tadh\_TriadT10277 $mitogen\_activated\_protein\_kinase\_kinase\_kinase\_15$ 10 metacells TrH2 OG\_9042 TrH2\_TrispH2\_005887-RA $mitogen\_activated\_protein\_kinase\_kinase\_kinase\_15$ 10 $\begin{smallmatrix} 1&4&5&5&5&5&6\\ 1&4&5&5&5&6\\ 1&4&5&5&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6$ metacells Hhon OG\_9042 Hhon\_g07552.t1 mitogen\_activated\_protein\_kinase\_kinase\_kinase\_15 -4 + 7055 + 6052 + 60metacells HoiH23 OG\_9042 HoiH23\_PIH23\_008280-RA $mitogen\_activated\_protein\_kinase\_kinase\_kinase\_15$ metacells

# Tadh OG\_9170 Tadh\_TriadT51772 mitogen\_activated\_protein\_kinase\_kinase\_kinase\_kinase\_3 metacells TrH2 OG\_9170 TrH2\_TrispH2\_010131-RA mitogen\_activated\_protein\_kinase\_kinase\_kinase\_kinase\_3 10 $\begin{smallmatrix} 1&4&5&5&5&5&6\\ 1&4&5&5&5&6\\ 1&4&5&5&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6$ metacells $mitogen\_activated\_protein\_kinase\_kinase\_kinase\_kinase\_3$ Hhon | no data HoiH23 OG\_9170 HoiH23\_PIH23\_004028-RA mitogen\_activated\_protein\_kinase\_kinase\_kinase\_kinase\_3 metacells

## Tadh OG\_9183 Tadh\_TriadT27547 protein\_tyrosine\_kinase\_2,protein\_tyrosine\_kinase\_2\_beta --unr-u-tatravuuvuuuvuvuuvuuvuuvuuvuuvuu aataavassassassassassassassa tatravuutta 1999-1999-1999-1999-1999-199 metacells TrH2 OG\_9183 TrH2\_TrispH2\_004472-RA protein\_tyrosine\_kinase\_2,protein\_tyrosine\_kinase\_2\_beta 10 metacells Hhon OG\_9183 Hhon\_g09737.t1 protein\_tyrosine\_kinase\_2,protein\_tyrosine\_kinase\_2\_beta -4 + 7055 + 61232 + 61244 + 61232 + 61242 + 61232 +metacells HoiH23 OG\_9183 HoiH23\_PIH23\_010160-RA protein\_tyrosine\_kinase\_2,protein\_tyrosine\_kinase\_2\_beta

Tadh OG\_9833 Tadh\_wf\_g7233.t1 tin\_receptor\_2,neuropeptide\_FF\_receptor\_2,neuropeptide\_FF\_receptor\_1,neuropeptide\_Y\_ 10 ¬ 2 metacells TrH2 OG\_9833 TrH2\_TrispH2\_002875-RA tin\_receptor\_2,neuropeptide\_FF\_receptor\_2,neuropeptide\_FF\_receptor\_1,neuropeptide\_Y\_  $\begin{smallmatrix} 1&4&5&5&5&5&6\\ 1&4&5&5&5&6\\ 1&4&5&5&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6$ metacells Hhon OG\_9833 Hhon\_g05025.t1 tin\_receptor\_2,neuropeptide\_FF\_receptor\_2,neuropeptide\_FF\_receptor\_1,neuropeptide\_Y\_ metacells HoiH23 OG\_9833 HoiH23\_PIH23\_006739-RA tin\_receptor\_2,neuropeptide\_FF\_receptor\_2,neuropeptide\_FF\_receptor\_1,neuropeptide\_Y\_ metacells

# Tadh OG\_9931 Tadh\_TriadT16057 $calcium\_calmodulin\_dependent\_protein\_kinase\_I$ metacells TrH2 OG\_9931 TrH2\_TrispH2\_005404-RA $calcium\_calmodulin\_dependent\_protein\_kinase\_l$ 10 - $\begin{smallmatrix} 1&4&5&5&5&5&5\\ 1&4&5&5&5&5&5\\ 2&5&5&5&5&5&5\\ 2&$ metacells Hhon OG\_9931 Hhon\_g05064.t1 $calcium\_calmodulin\_dependent\_protein\_kinase\_l$ -4 + 5metacells HoiH23 OG\_9931 HoiH23\_PIH23\_001346-RA $calcium\_calmodulin\_dependent\_protein\_kinase\_I$

Tadh OG\_9990 Tadh\_TriadT32832 homeodomain\_interacting\_protein\_kinase\_2,homeodomain\_interacting\_protein\_kinase\_ 2 metacells TrH2 OG\_9990 TrH2\_TrispH2\_010386-RA homeodomain\_interacting\_protein\_kinase\_2,homeodomain\_interacting\_protein\_kinase\_ metacells Hhon OG\_9990 Hhon\_g05557.t1 homeodomain\_interacting\_protein\_kinase\_2,homeodomain\_interacting\_protein\_kinase\_ 5 ф 2 -4 + 7055 + 6052 + 60metacells HoiH23 OG\_9990 HoiH23\_PIH23\_004935-RA homeodomain\_interacting\_protein\_kinase\_2,homeodomain\_interacting\_protein\_kinase\_  $^{-4} \\ \text{$^{+2}$} \\ \text{$^{+2}$ 

Tadh OG\_10108 Tadh\_wf\_g3429.t1 C\_terminal\_Src\_kinase 10 metacells TrH2 OG\_10108 TrH2\_TrispH2\_009873-RA C\_terminal\_Src\_kinase 10 metacells Hhon OG\_10108 Hhon\_g01188.t1 C\_terminal\_Src\_kinase metacells HoiH23 OG\_10108 HoiH23\_PIH23\_000481-RA C\_terminal\_Src\_kinase 10 metacells

# Tadh\_OG\_10497 Tht2\_TrispH2\_011323-RA neuropeptide\_FF\_receptor\_1 The Cog\_10497 TrispH2\_011323-RA neuropeptide\_FF\_receptor\_1 The Cog\_10497 The