

HoiH23 OG\_3565 HoiH23\_PIH23\_009290-RA ne\_choriogonadotropin\_receptor,relaxin\_family\_peptide\_receptor\_1,lumican,leucine\_rich\_r 2 metacells HoiH23 OG\_3565 HoiH23\_PIH23\_011058-RA metacells HoiH23 OG\_3565 HoiH23\_PIH23\_010881-RA ne\_choriogonadotropin\_receptor,relaxin\_family\_peptide\_receptor\_1,lumican,leucine\_rich\_r  $\begin{smallmatrix} & +4 \\ & +6$ metacells HoiH23 OG\_3565 HoiH23\_PIH23\_010735-RA ne\_choriogonadotropin\_receptor,relaxin\_family\_peptide\_receptor\_1,lumican,leucine\_rich\_r  $^{-4} \\ \text{$^{+2}$} \\ \text{$^{+2}$ metacells

**Tadh OG\_4701** Tadh\_TriadT31502 \_L1,adhesion\_G\_protein\_coupled\_receptor\_G4,adhesion\_G\_protein\_coupled\_receptor\_L2, metacells TrH2 OG\_4701 TrH2\_TrispH2\_009057-RA metacells **Hhon OG\_4701** Hhon\_g10529.t1 \_L1,adhesion\_G\_protein\_coupled\_receptor\_G4,adhesion\_G\_protein\_coupled\_receptor\_L2, metacells **Hhon OG\_4701** Hhon\_g10530.t1 \_L1,adhesion\_G\_protein\_coupled\_receptor\_G4,adhesion\_G\_protein\_coupled\_receptor\_L2, metacells **Hhon OG\_4701** Hhon\_g10695.t1 L1,adhesion\_G\_protein\_coupled\_receptor\_G4,adhesion\_G\_protein\_coupled\_receptor\_L2, **Hhon OG\_4701** Hhon\_g10696.t1 \_L1,adhesion\_G\_protein\_coupled\_receptor\_G4,adhesion\_G\_protein\_coupled\_receptor\_L2, metacells HoiH23 OG\_4701 HoiH23\_PIH23\_010513-RA \_L1,adhesion\_G\_protein\_coupled\_receptor\_G4,adhesion\_G\_protein\_coupled\_receptor\_L2, metacells

### **Tadh OG\_5409** Tadh\_TriadT15472 neuropeptide\_FF\_receptor\_2 10 metacells TrH2 OG\_5409 TrH2\_TrispH2\_008515-RA neuropeptide\_FF\_receptor\_2 10 metacells Hhon OG\_5409 Hhon\_g04180.t1 neuropeptide\_FF\_receptor\_2 metacells HoiH23 OG\_5409 HoiH23\_PIH23\_010478-RA neuropeptide\_FF\_receptor\_2 metacells

# Tadh OG\_8241 Tadh\_TriadT52866 regulator\_of\_G\_protein\_signaling\_7 metacells TrH2 OG\_8241 TrH2\_TrispH2\_004184-RA regulator\_of\_G\_protein\_signaling\_7 $\begin{smallmatrix} 1&4&5&5&5&5&6\\ 1&4&5&5&5&6\\ 1&4&5&5&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6$ metacells Hhon OG\_8241 Hhon\_g10853.t1 regulator\_of\_G\_protein\_signaling\_7 metacells HoiH23 OG\_8241 HoiH23\_PIH23\_009249-RA regulator\_of\_G\_protein\_signaling\_7

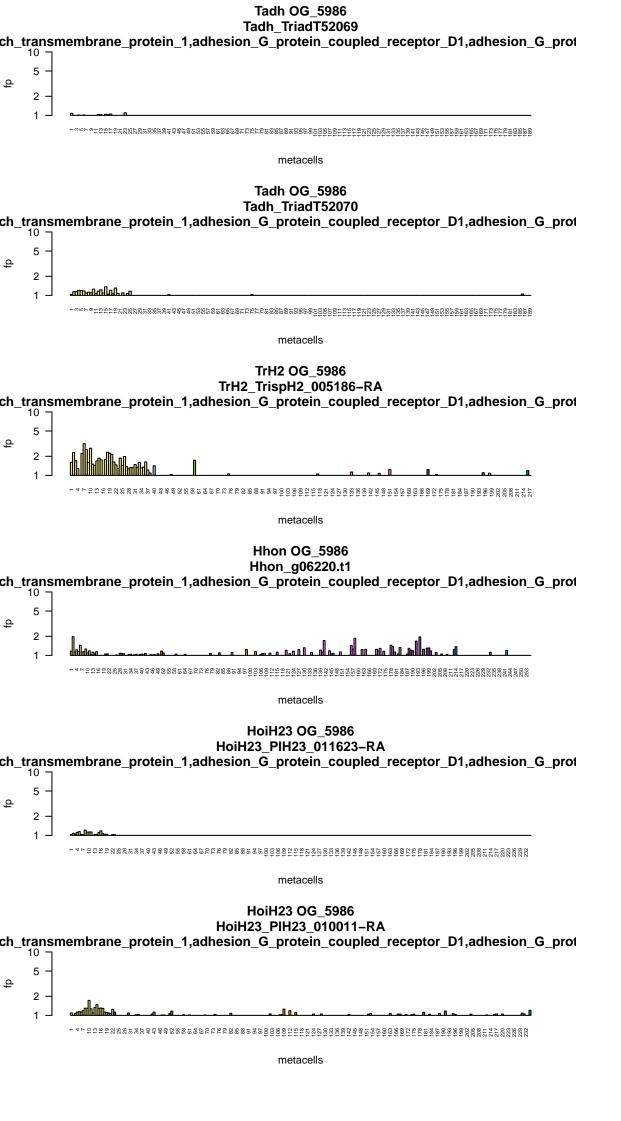
metacells

## Tadh OG\_9539 Tadh\_TriadT11320 calcium\_sensing\_receptor 10 metacells TrH2 OG\_9539 TrH2\_TrispH2\_011337-RA calcium\_sensing\_receptor metacells Hhon OG\_9539 Hhon\_g10147.t1 calcium\_sensing\_receptor metacells HoiH23 OG\_9539 HoiH23\_PIH23\_010912-RA calcium\_sensing\_receptor metacells





Tadh OG\_5921 Tadh\_TriadT59721 kinase\_suppressor\_of\_ras\_2 10 metacells TrH2 OG\_5921 TrH2\_TrispH2\_000302-RA kinase\_suppressor\_of\_ras\_2 metacells Hhon OG\_5921 Hhon\_g06009.t1 kinase\_suppressor\_of\_ras\_2 metacells HoiH23 OG\_5921 HoiH23\_PIH23\_000357-RA kinase\_suppressor\_of\_ras\_2 10 metacells



Tadh\_TriadT55944 ein\_coupled\_receptor\_L2,adhesion\_G\_protein\_coupled\_receptor\_L1,adhesion\_G\_protein\_ 10 ¬ metacells TrH2 OG\_6364 TrH2\_TrispH2\_007883-RA ein\_coupled\_receptor\_L2,adhesion\_G\_protein\_coupled\_receptor\_L1,adhesion\_G\_protein\_ metacells Hhon OG\_6364 Hhon\_g06278.t1 ein\_coupled\_receptor\_L2,adhesion\_G\_protein\_coupled\_receptor\_L1,adhesion\_G\_protein\_ -4 + 525 = 6232 = 24 + 623 = 24 + 625 =metacells HoiH23 OG\_6364 HoiH23\_PIH23\_001995-RA ein\_coupled\_receptor\_L2,adhesion\_G\_protein\_coupled\_receptor\_L1,adhesion\_G\_protein\_ metacells HoiH23 OG\_6364 HoiH23\_PIH23\_001992-RA ein\_coupled\_receptor\_L2,adhesion\_G\_protein\_coupled\_receptor\_L1,adhesion\_G\_protein\_ 2  $^{-4} + ^{0} +$ HoiH23 OG\_6364 HoiH23\_PIH23\_001996-RA ein\_coupled\_receptor\_L2,adhesion\_G\_protein\_coupled\_receptor\_L1,adhesion\_G\_protein\_  $^{-4} + ^{0} +$ metacells

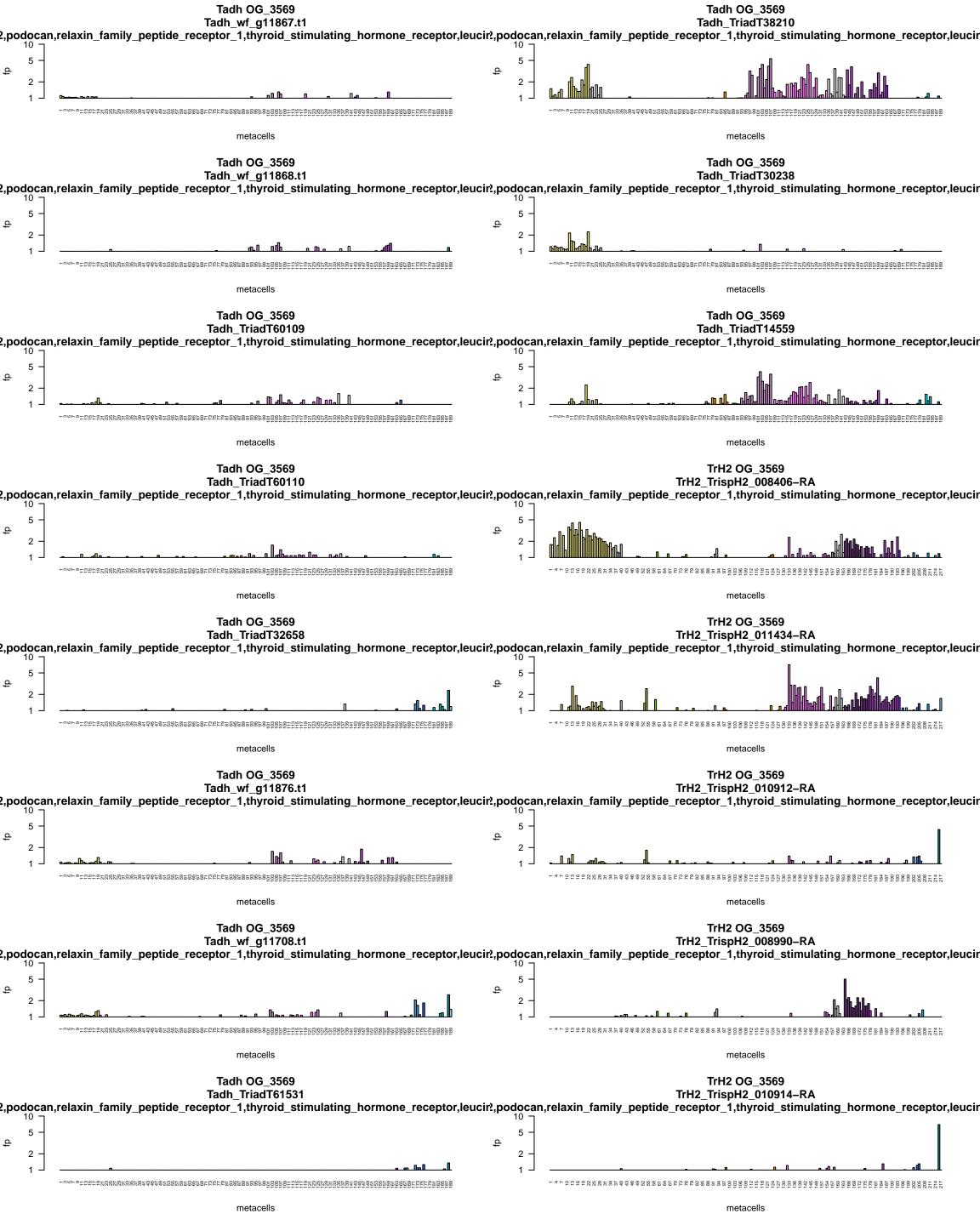
**Tadh OG\_6364** 

Tadh OG\_8115 Tadh\_TriadT55870 adhesion\_G\_protein\_coupled\_receptor\_L3,adhesion\_G\_protein\_coupled\_receptor\_D1 ~a\_catter=uuuvaussavataataarassa araapaseateette saaaaa aaapaseateetteetuuvatsaavataataataataataataataataataat metacells TrH2 OG\_8115 TrH2\_TrispH2\_006680-RA adhesion\_G\_protein\_coupled\_receptor\_L3,adhesion\_G\_protein\_coupled\_receptor\_D1  $\begin{smallmatrix} 1&4&5&5&5&5&6\\ 1&4&5&5&5&6\\ 1&4&5&5&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6$ metacells Hhon OG\_8115 Hhon\_g00890.t1 adhesion\_G\_protein\_coupled\_receptor\_L3,adhesion\_G\_protein\_coupled\_receptor\_D1  $^{-4}{}^{+}$ metacells  $adhesion\_G\_protein\_coupled\_receptor\_L3, adhesion\_G\_protein\_coupled\_receptor\_D1$ HoiH23 | no data

# Tadh OG\_8151 Tadh\_TriadT5463 opsin\_4,neuropeptide\_FF\_receptor\_2 metacells TrH2 OG\_8151 TrH2\_TrispH2\_010697-RA opsin\_4,neuropeptide\_FF\_receptor\_2 metacells Hhon OG\_8151 Hhon\_g10815.t1 opsin\_4,neuropeptide\_FF\_receptor\_2 metacells HoiH23 OG\_8151 HoiH23\_PIH23\_009449-RA opsin\_4,neuropeptide\_FF\_receptor\_2 10 metacells

**Tadh OG\_8575** Tadh\_TriadT56776 interleukin\_1\_receptor\_associated\_kinase\_4,interleukin\_1\_receptor\_associated\_kinase\_ 2 metacells TrH2 OG\_8575 TrH2\_TrispH2\_008687-RA interleukin\_1\_receptor\_associated\_kinase\_4,interleukin\_1\_receptor\_associated\_kinase\_  $\begin{smallmatrix} 1&4&5&5&5&5&6\\ 1&4&5&5&5&6\\ 1&4&5&5&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6$ metacells Hhon OG\_8575 Hhon\_g09836.t1 interleukin\_1\_receptor\_associated\_kinase\_4,interleukin\_1\_receptor\_associated\_kinase\_
10 ¬ metacells HoiH23 OG\_8575 HoiH23\_PIH23\_007836-RA interleukin\_1\_receptor\_associated\_kinase\_4,interleukin\_1\_receptor\_associated\_kinase\_  $^{-4} \\ \text{$^{+2}$} \\ \text{$^{+2}$ metacells

Tadh OG\_9913 Tadh\_TriadT57964 adhesion\_G\_protein\_coupled\_receptor\_B2,adhesion\_G\_protein\_coupled\_receptor\_D1 metacells TrH2 OG\_9913 TrH2\_TrispH2\_006500-RA adhesion\_G\_protein\_coupled\_receptor\_B2,adhesion\_G\_protein\_coupled\_receptor\_D1 metacells Hhon OG\_9913 Hhon\_g00250.t1 adhesion\_G\_protein\_coupled\_receptor\_B2,adhesion\_G\_protein\_coupled\_receptor\_D1 -4 + 7055 + 6052 + 60metacells HoiH23 OG\_9913 HoiH23\_PIH23\_006124-RA adhesion\_G\_protein\_coupled\_receptor\_B2,adhesion\_G\_protein\_coupled\_receptor\_D1 5  $^{-4} \\ \text{$^{+2}$} \\ \text{$^{+2}$ metacells



TrH2\_TrispH2\_008405\_RA

2.podocan,relaxin\_family\_peptide\_receptor\_1,thyroid\_stimulating\_hormone\_receptor,leucin

metacells

Hhon OG\_3569
Hhon\_g05391.t1

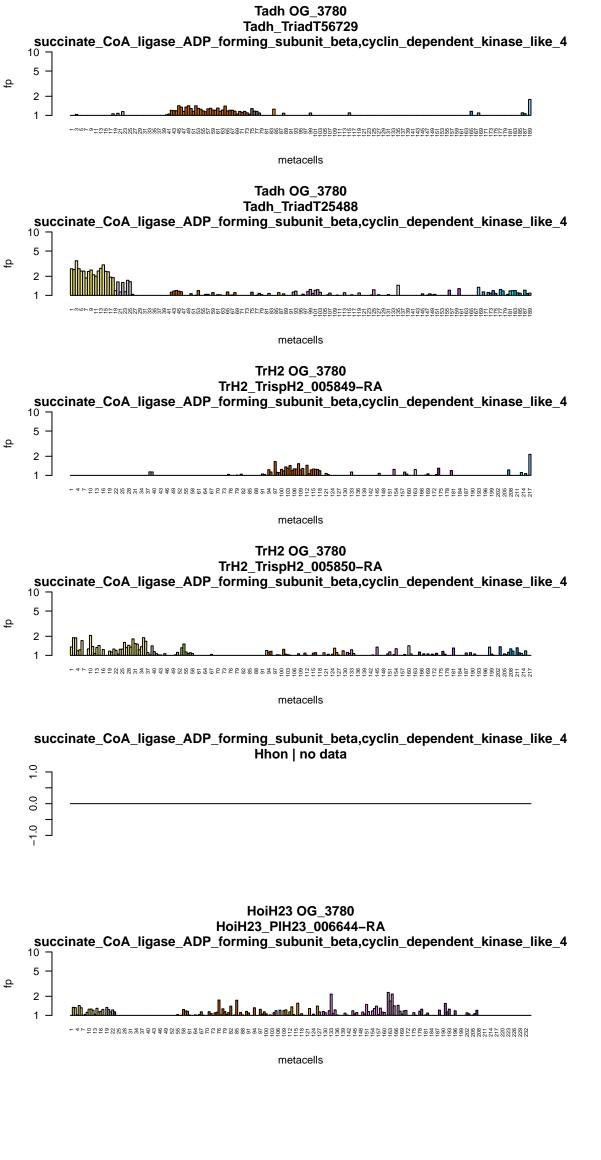
2.podocan,relaxin\_family\_peptide\_receptor\_1,thyroid\_stimulating\_hormone\_receptor,leucin

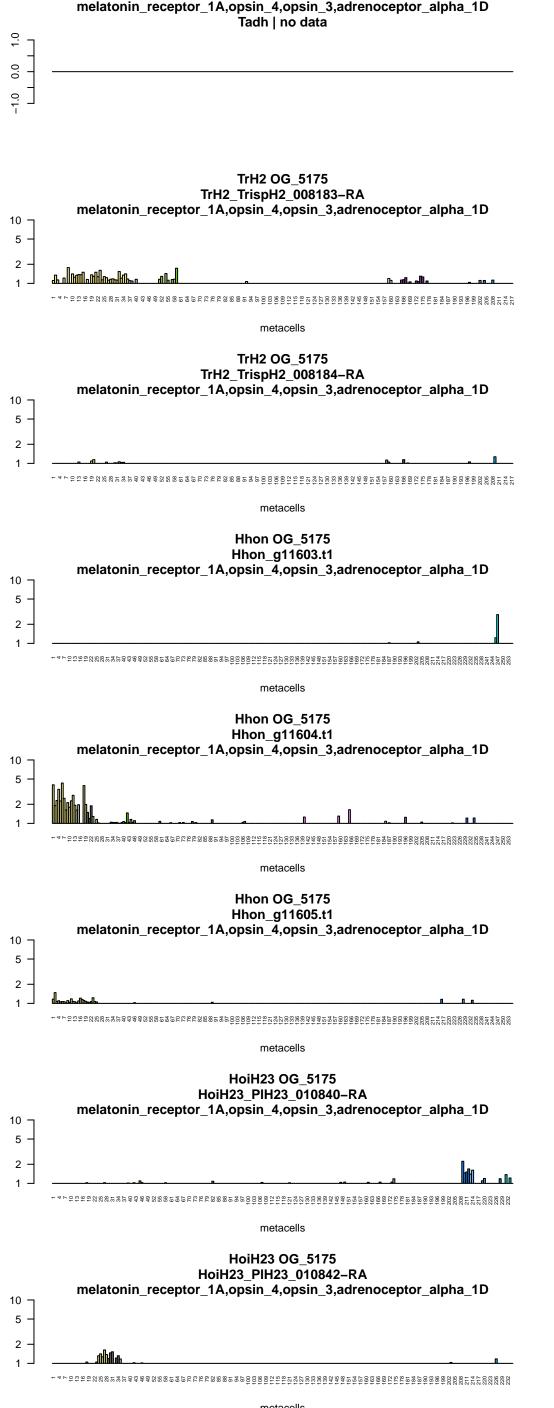
metacells

HoiH23 OG\_3569
HoiH23\_PIH23\_000295\_RA

2.podocan,relaxin\_family\_peptide\_receptor\_1,thyroid\_stimulating\_hormone\_receptor,leucin

metacells





### Tadh OG\_5271 Tadh\_TriadT54919 serine\_threonine\_kinase\_16 10 metacells TrH2 OG\_5271 TrH2\_TrispH2\_010679-RA serine\_threonine\_kinase\_16 metacells Hhon OG\_5271 Hhon\_g10244.t1 serine\_threonine\_kinase\_16 metacells HoiH23 OG\_5271 HoiH23\_PIH23\_008452-RA serine\_threonine\_kinase\_16 10 metacells

**Tadh OG\_5820** Tadh\_TriadT2811 cium\_sensing\_receptor,glutamate\_metabotropic\_receptor\_2,glutamate\_metabotropic\_rece metacells **Tadh OG\_5820** Tadh\_TriadT55249 cium\_sensing\_receptor,glutamate\_metabotropic\_receptor\_2,glutamate\_metabotropic\_rece metacells **Tadh OG\_5820** Tadh\_wf\_g4033.t1 cium\_sensing\_receptor,glutamate\_metabotropic\_receptor\_2,glutamate\_metabotropic\_rece TrH2 OG\_5820 TrH2\_TrispH2\_001751-RA cium\_sensing\_receptor,glutamate\_metabotropic\_receptor\_2,glutamate\_metabotropic\_rece metacells TrH2 OG\_5820 TrH2\_TrispH2\_001750-RA cium\_sensing\_receptor,glutamate\_metabotropic\_receptor\_2,glutamate\_metabotropic\_rece **Hhon OG\_5820** Hhon\_g05225.t1 cium\_sensing\_receptor,glutamate\_metabotropic\_receptor\_2,glutamate\_metabotropic\_rece metacells HoiH23 OG\_5820 HoiH23\_PIH23\_007935-RA cium\_sensing\_receptor,glutamate\_metabotropic\_receptor\_2,glutamate\_metabotropic\_rece  $\begin{smallmatrix} & +4 \\ & +6$ metacells

# Tadh OG\_6099 Tadh\_TriadT21381 mitogen\_activated\_protein\_kinase\_kinase\_4 metacells TrH2 OG\_6099 TrH2\_TrispH2\_003417-RA mitogen\_activated\_protein\_kinase\_kinase\_4 metacells Hhon OG\_6099 Hhon\_g05508.t1 mitogen\_activated\_protein\_kinase\_kinase\_4 metacells HoiH23 OG\_6099 HoiH23\_PIH23\_000170-RA $mitogen\_activated\_protein\_kinase\_kinase\_4$ 10 metacells

### **Tadh OG\_6186** Tadh\_TriadT60377 $somatostatin\_receptor\_5, somatostatin\_receptor\_2, opsin\_4$ metacells TrH2 OG\_6186 TrH2\_TrispH2\_010971-RA $somatostatin\_receptor\_5, somatostatin\_receptor\_2, opsin\_4$ 10 -metacells **Hhon OG\_6186** Hhon\_g08455.t1 somatostatin\_receptor\_5,somatostatin\_receptor\_2,opsin\_4 -4 + 7055 + 6052 + 60metacells Hhon OG\_6186 Hhon\_g08456.t1 somatostatin\_receptor\_5,somatostatin\_receptor\_2,opsin\_4 10 metacells HoiH23 OG\_6186 HoiH23\_PIH23\_007564-RA $somatostatin\_receptor\_5, somatostatin\_receptor\_2, opsin\_4$ -4 + 655 + 624 + 644 + 636 + 624 + 624 + 624 + 624 + 624 + 644 +metacells

# Tadh OG\_6207 Tadh\_TriadT18299 neuropeptide\_FF\_receptor\_2 10 metacells TrH2 OG\_6207 TrH2\_TrispH2\_007408-RA neuropeptide\_FF\_receptor\_2 metacells Hhon OG\_6207 Hhon\_g09799.t1 neuropeptide\_FF\_receptor\_2 -4 + 5metacells HoiH23 OG\_6207 HoiH23\_PIH23\_006713-RA neuropeptide\_FF\_receptor\_2

metacells

# **Tadh OG\_6475** Tadh\_TriadT37359 3\_hydroxy\_3\_methylglutaryl\_CoA\_reductase metacells TrH2 OG\_6475 TrH2\_TrispH2\_008025-RA 3\_hydroxy\_3\_methylglutaryl\_CoA\_reductase metacells **Hhon OG\_6475** Hhon\_g02462.t1 3\_hydroxy\_3\_methylglutaryl\_CoA\_reductase metacells HoiH23 OG\_6475 HoiH23\_PIH23\_006238-RA ${\bf 3\_hydroxy\_3\_methylglutaryl\_CoA\_reductase}$ metacells

### Tadh OG\_7852 Tadh\_TriadT59571 $calcium\_sensing\_receptor$ 10 metacells TrH2 OG\_7852 TrH2\_TrispH2\_011336-RA calcium\_sensing\_receptor $\begin{smallmatrix} 1&4&5&5&5&5&5\\ 1&4&5&5&5&5&5\\ 2&5&5&5&5&5&5\\ 2&$ metacells Hhon OG\_7852 Hhon\_g10148.t1 calcium\_sensing\_receptor metacells HoiH23 OG\_7852 HoiH23\_PIH23\_010911-RA calcium\_sensing\_receptor 10 metacells HoiH23 OG\_7852 HoiH23\_PIH23\_010167-RA $calcium\_sensing\_receptor$

metacells

**Tadh OG\_7854** Tadh\_TriadT62264 ein\_coupled\_receptor\_L1,adhesion\_G\_protein\_coupled\_receptor\_L3,adhesion\_G\_protein\_ 10 ¬ metacells TrH2 OG\_7854 TrH2\_TrispH2\_007463-RA ein\_coupled\_receptor\_L1,adhesion\_G\_protein\_coupled\_receptor\_L3,adhesion\_G\_protein\_ metacells **Hhon OG\_7854** Hhon\_g08533.t1 ein\_coupled\_receptor\_L1,adhesion\_G\_protein\_coupled\_receptor\_L3,adhesion\_G\_protein\_ metacells **Hhon OG\_7854** Hhon\_g04226.t1 ein\_coupled\_receptor\_L1,adhesion\_G\_protein\_coupled\_receptor\_L3,adhesion\_G\_protein\_ metacells **Hhon OG\_7854** Hhon\_g04228.t1 ein\_coupled\_receptor\_L1,adhesion\_G\_protein\_coupled\_receptor\_L3,adhesion\_G\_protein\_ 10 ¬ HoiH23 OG\_7854 HoiH23\_PIH23\_009334-RA ein\_coupled\_receptor\_L1,adhesion\_G\_protein\_coupled\_receptor\_L3,adhesion\_G\_protein\_ metacells HoiH23 OG\_7854 HoiH23\_PIH23\_003987-RA ein\_coupled\_receptor\_L1,adhesion\_G\_protein\_coupled\_receptor\_L3,adhesion\_G\_protein\_ metacells

Tadh OG\_8671 Tadh\_TriadT57692 adhesion\_G\_protein\_coupled\_receptor\_G2,adhesion\_G\_protein\_coupled\_receptor\_L4 2 metacells TrH2 OG\_8671 TrH2\_TrispH2\_004680-RA adhesion\_G\_protein\_coupled\_receptor\_G2,adhesion\_G\_protein\_coupled\_receptor\_L4 metacells Hhon OG\_8671 Hhon\_g01778.t1 adhesion\_G\_protein\_coupled\_receptor\_G2,adhesion\_G\_protein\_coupled\_receptor\_L4 metacells HoiH23 OG\_8671 HoiH23\_PIH23\_004834-RA adhesion\_G\_protein\_coupled\_receptor\_G2,adhesion\_G\_protein\_coupled\_receptor\_L4 metacells

# leucine\_rich\_repeat\_kinase\_1 TrH2\_OG\_10615 TrH2\_TrispH2\_004289=RA leucine\_rich\_repeat\_kinase\_1 metacells Hhon OG\_10615 Hhon\_g06459.t1 leucine\_rich\_repeat\_kinase\_1 Metacells HoiH23\_OG\_10615 HoiH23\_OG\_10615 HoiH23\_PIH23\_003918=RA leucine\_rich\_repeat\_kinase\_1

**Tadh OG\_2995** Tadh\_TriadT59582  ${\tt CASP2\_and\_RIPK1\_domain\_containing\_adaptor\_with\_death\_domain}$ 10 -an-a-tat-a-uuuvussavu-aata-araapa-asapa-tat-asaapa-aaapa 2000-a-tat-a-tuvussavussavusta 44-a-tatpa taapa tatmetacells TrH2 OG\_2995 TrH2\_TrispH2\_011522-RA  ${\tt CASP2\_and\_RIPK1\_domain\_containing\_adaptor\_with\_death\_domain}$ 10 metacells Hhon OG\_2995 Hhon\_g07918.t1  ${\tt CASP2\_and\_RIPK1\_domain\_containing\_adaptor\_with\_death\_domain}$  $^{-4}{}^{+}$ metacells Hhon OG\_2995 Hhon\_g11613.t1  ${\tt CASP2\_and\_RIPK1\_domain\_containing\_adaptor\_with\_death\_domain}$ metacells HoiH23 OG\_2995 HoiH23\_PIH23\_006431-RA CASP2\_and\_RIPK1\_domain\_containing\_adaptor\_with\_death\_domain 10 metacells HoiH23 OG\_2995 HoiH23\_PIH23\_010169-RA  ${\tt CASP2\_and\_RIPK1\_domain\_containing\_adaptor\_with\_death\_domain}$ 10 

metacells

**Tadh OG\_4176** Tadh\_TriadT56593 sorting\_nexin\_25 10 metacells TrH2 OG\_4176 TrH2\_TrispH2\_005862-RA sorting\_nexin\_25 metacells **Hhon OG\_4176** Hhon\_g07573.t1 sorting\_nexin\_25 metacells HoiH23 OG\_4176 HoiH23\_PIH23\_009291-RA sorting\_nexin\_25 metacells

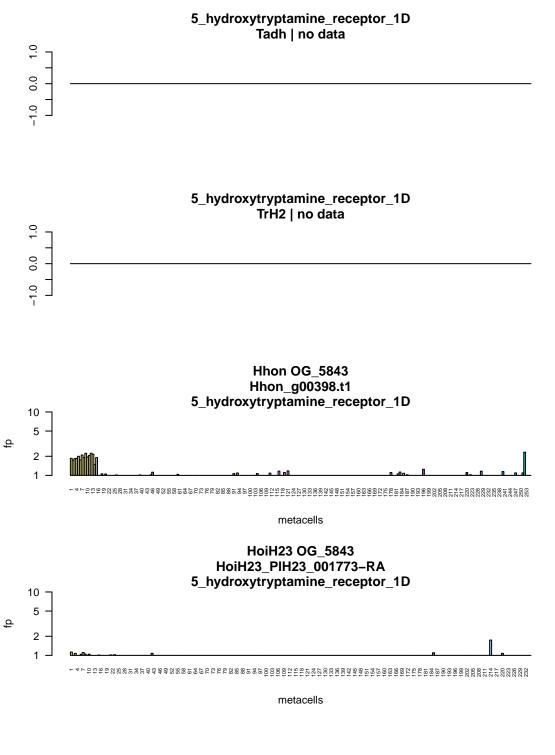
### Tadh OG\_4473 Tadh\_TriadT53149 SCY1\_like\_pseudokinase\_3 10 metacells TrH2 OG\_4473 TrH2\_TrispH2\_003074-RA SCY1\_like\_pseudokinase\_3 $\begin{smallmatrix} 1&4&5&5&5&5&6\\ 1&4&5&5&5&6\\ 1&4&5&5&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6$ metacells Hhon OG\_4473 Hhon\_g01262.t1 SCY1\_like\_pseudokinase\_3 metacells HoiH23 OG\_4473 HoiH23\_PIH23\_009870-RA SCY1\_like\_pseudokinase\_3 10 metacells

# **Tadh OG\_5120** Tadh\_wf\_g10492.t1 C\_C\_motif\_chemokine\_receptor\_3 metacells TrH2 OG\_5120 TrH2\_TrispH2\_003534-RA C\_C\_motif\_chemokine\_receptor\_3 metacells Hhon OG\_5120 Hhon\_g07858.t1 C\_C\_motif\_chemokine\_receptor\_3 metacells HoiH23 OG\_5120 HoiH23\_PIH23\_007706-RA $\hbox{C\_C\_motif\_chemokine\_receptor\_3}$ 10 metacells

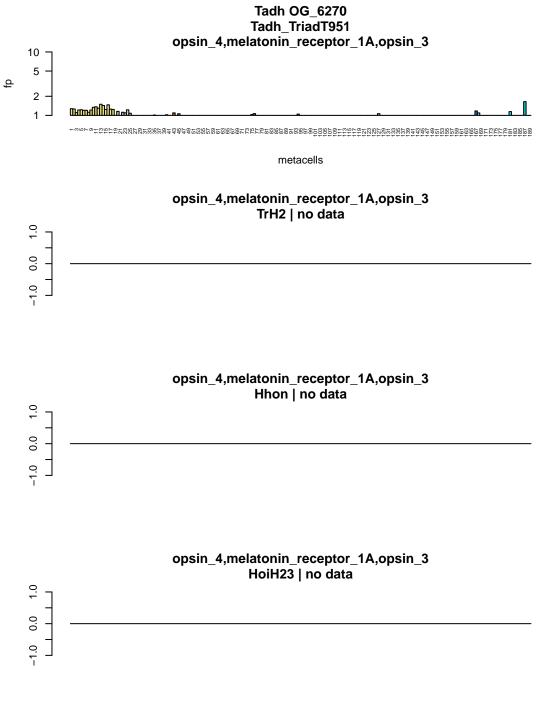
**Tadh OG\_5443** Tadh\_TriadT14966 ucuronate\_decarboxylase\_1,glutamate\_metabotropic\_receptor\_7,glutamate\_metabotropic\_ metacells **Tadh OG\_5443** Tadh\_TriadT29937 ucuronate\_decarboxylase\_1,glutamate\_metabotropic\_receptor\_7,glutamate\_metabotropic\_ metacells TrH2 OG\_5443 TrH2\_TrispH2\_010125-RA ucuronate\_decarboxylase\_1,glutamate\_metabotropic\_receptor\_7,glutamate\_metabotropic\_ metacells **Hhon OG\_5443** Hhon\_g03032.t1 ucuronate\_decarboxylase\_1,glutamate\_metabotropic\_receptor\_7,glutamate\_metabotropic\_ metacells Hhon OG\_5443 Hhon\_g03033.t1 ucuronate\_decarboxylase\_1,glutamate\_metabotropic\_receptor\_7,glutamate\_metabotropic\_ HoiH23 OG\_5443 HoiH23\_PIH23\_010635-RA ucuronate\_decarboxylase\_1,glutamate\_metabotropic\_receptor\_7,glutamate\_metabotropic\_ metacells HoiH23 OG\_5443 HoiH23\_PIH23\_010636-RA ucuronate\_decarboxylase\_1,glutamate\_metabotropic\_receptor\_7,glutamate\_metabotropic\_  $\begin{smallmatrix} & +4 \\ & +6$ metacells

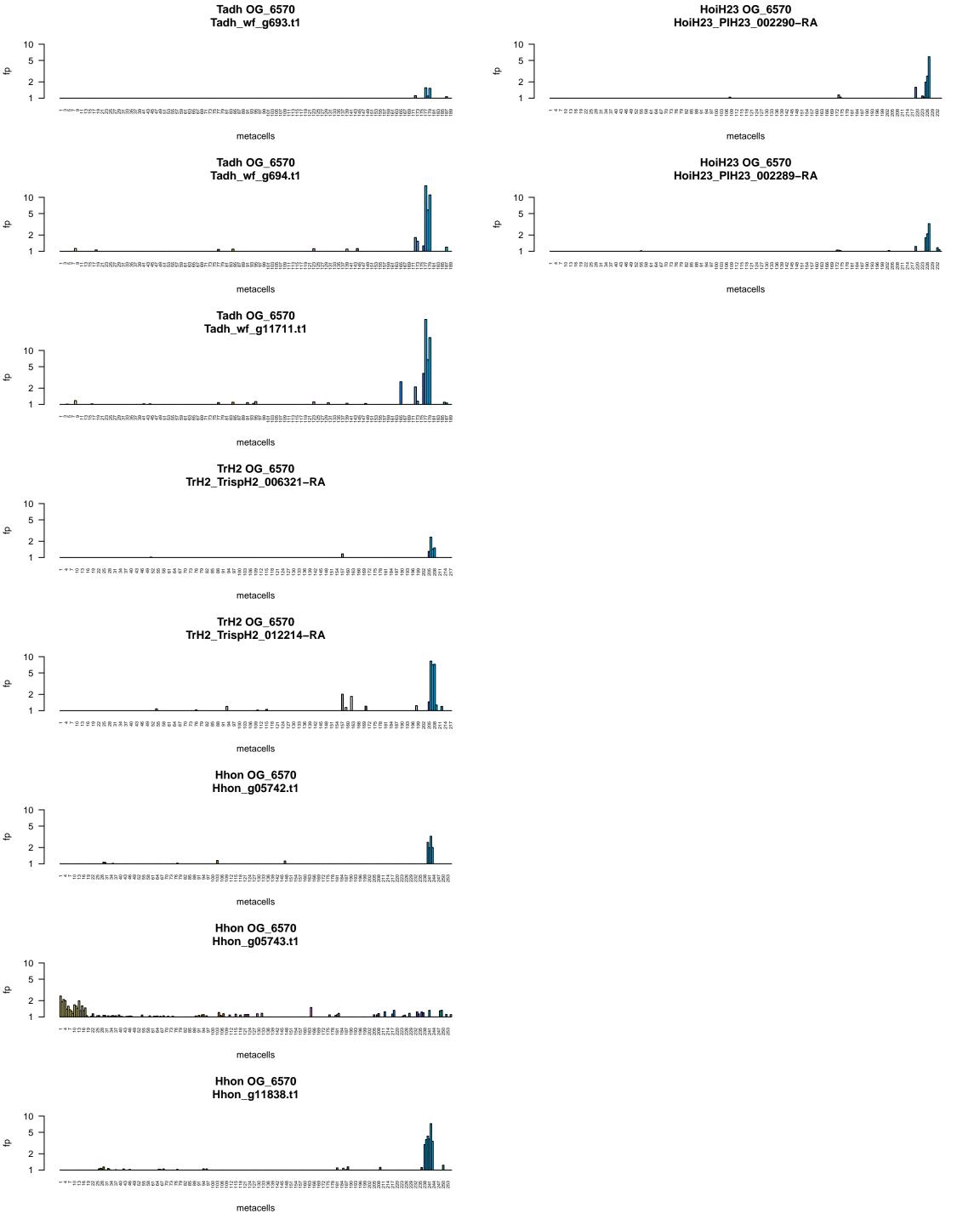
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**Tadh OG\_5872** Tadh\_TriadT53998 sorting\_nexin\_13 10 metacells TrH2 OG\_5872 TrH2\_TrispH2\_007781-RA sorting\_nexin\_13  $\begin{smallmatrix} 1&4&5&5&5&5&5&5\\ 2&5&5&5&5&5&5\\$ metacells **Hhon OG\_5872** Hhon\_g10880.t1 sorting\_nexin\_13 metacells HoiH23 OG\_5872 HoiH23\_PIH23\_005091-RA sorting\_nexin\_13 10 metacells





### **Tadh OG\_7989** Tadh\_TriadT59563 glutamate\_metabotropic\_receptor\_7,glutamate\_metabotropic\_receptor\_4 10 metacells TrH2 OG\_7989 TrH2\_TrispH2\_011780-RA $glutamate\_metabotropic\_receptor\_7, glutamate\_metabotropic\_receptor\_4$ 10 $\begin{smallmatrix} 1&4&5&5&5&5&6\\ 1&4&5&5&5&6\\ 1&4&5&5&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\ 1&4&5&6&6&6&6\\$ metacells Hhon OG\_7989 Hhon\_g10141.t1 glutamate\_metabotropic\_receptor\_7,glutamate\_metabotropic\_receptor\_4 -4 + 7055 + 6052 + 60metacells HoiH23 OG\_7989 HoiH23\_PIH23\_011425-RA $glutamate\_metabotropic\_receptor\_7, glutamate\_metabotropic\_receptor\_4$ 10 $^{-4} \\ \text{$^{+2}$} \\ \text{$^{+2}$ metacells HoiH23 OG\_7989 HoiH23\_PIH23\_011427-RA $glutamate\_metabotropic\_receptor\_7, glutamate\_metabotropic\_receptor\_4$ 10

metacells

### Tadh OG\_8114 Tadh\_TriadT55869 adhesion\_G\_protein\_coupled\_receptor\_L3 metacells TrH2 OG\_8114 TrH2\_TrispH2\_006679-RA $adhesion\_G\_protein\_coupled\_receptor\_L3$ $\begin{smallmatrix} 1&4&5&5&5&5&5\\ 1&4&5&5&5&5&5\\ 2&5&5&5&5&5&5\\ 2&$ metacells Hhon OG\_8114 Hhon\_g00891.t1 adhesion\_G\_protein\_coupled\_receptor\_L3 metacells HoiH23 OG\_8114 HoiH23\_PIH23\_006797-RA $adhesion\_G\_protein\_coupled\_receptor\_L3$ metacells

### Tadh OG\_8757 Tadh\_wf\_g964.t1 calcium\_sensing\_receptor 10 metacells TrH2 OG\_8757 TrH2\_TrispH2\_000991-RA calcium\_sensing\_receptor metacells Hhon OG\_8757 Hhon\_g02928.t1 calcium\_sensing\_receptor metacells HoiH23 OG\_8757 HoiH23\_PIH23\_010020-RA calcium\_sensing\_receptor 10 metacells

# angiotensin\_II\_receptor\_type\_2,tachykinin\_receptor\_1 TrH2 OG\_9264 TrH2\_TrispH2\_002603\_RA angiotensin\_II\_receptor\_type\_2,tachykinin\_receptor\_1 ### Metacells ### Hhon OG\_9264 Hhon\_g05345.t1 angiotensin\_II\_receptor\_type\_2,tachykinin\_receptor\_1 ### Metacells ### HoiH23 OG\_9264 HoiH23\_PIH23\_008322\_RA angiotensin\_II\_receptor\_type\_2,tachykinin\_receptor\_1 ### Metacells ### Metacells ### MoiH23\_PIH23\_008322\_RA angiotensin\_II\_receptor\_type\_2,tachykinin\_receptor\_1 ### MoiH23\_PIH23\_008322\_RA angiotensin\_II\_receptor\_type\_2,tachykinin\_receptor\_1

### 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 $calcium\_calmodulin\_dependent\_protein\_kinase\_I$

metacells

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## Tadh OG\_10715 Tadh\_wf\_g996.t1 neuropeptide\_FF\_receptor\_1 metacells TrH2 OG\_10715 TrH2\_TrispH2\_001022\_RA neuropeptide\_FF\_receptor\_1 metacells metacells neuropeptide\_FF\_receptor\_1 neuropeptide\_FF\_receptor\_1

### Tadh OG\_10733 Tadh\_TriadT55871 $adhesion\_G\_protein\_coupled\_receptor\_L3$ metacells TrH2 OG\_10733 TrH2\_TrispH2\_006681-RA $adhesion\_G\_protein\_coupled\_receptor\_L3$ 10 metacells Hhon OG\_10733 Hhon\_g00888.t1 $adhesion\_G\_protein\_coupled\_receptor\_L3$ metacells Hhon OG\_10733 Hhon\_g00889.t1 adhesion\_G\_protein\_coupled\_receptor\_L3 10 -4 + 7525 + 27828 + 2484 + 2882 + 2metacells HoiH23 OG\_10733 HoiH23\_PIH23\_006798-RA $adhesion\_G\_protein\_coupled\_receptor\_L3$ $^{-4} \\ \text{$^{+2}$} \\ \text{$^{+2}$ metacells